

**DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY**

**Principal facts for 1747 gravity stations in  
southern Kansas and central Oklahoma**

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## Introduction

This report contains principal facts, base station descriptions and station location plots for 1747 gravity stations located in southern Kansas and central Oklahoma between 34° 30' and 39° north latitude and 97° and 101° 30' west longitude (fig. 2). These data were collected and/or processed by the U.S. Geological Survey (USGS) as part of a study of the evolution of sedimentary basins (ESB) of the Anadarko basin. The data in this report are used in the following publications: a) Regional gravity of the Anadarko basin area and a more detailed look at the Wichita Frontal fault zone (Robbins and others, 1989), b) Complete Bouguer and isostatic residual gravity maps of the Anadarko basin, Wichita Mountains, and surrounding areas (Robbins and Keller, in press), and c) Bouguer and isostatic residual gravity anomaly and derivative maps of the Lawton area, southwestern Oklahoma (Jones-Cecil and Robbins, in press).

The data are presented in six tables in appendix C as outlined in table 1. Information pertaining to data sources, base stations used, gravity meters used, elevation control, and reduction problems are given in the next two sections. Base station descriptions are presented in appendix A, plots of station locations in appendix B, and a description of the data format for all the files on the diskette in appendix D.

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Table 1. Summary of Gravity Data Contained in this Report

Principal facts Table No.	Source of data	Approximate Coverage of data	No. of stations.
2	DMA, Univ. of Texas, & Thomson (1986) stations reoccupied by USGS	South-central Oklahoma	27
3	M.C. Gilbert and Ed Robinson	Wichita Mtns, Oklahoma	87
4	Univ. of Oklahoma Theses	Oklahoma	633
5	USGS	Southern Kansas	156
6	USGS	5 detailed profiles across Meers Fault, Oklahoma	447
7	USGS	South-central Oklahoma	397

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All of the gravity data have been reduced to both complete Bouguer anomalies and isostatic residual anomalies for a crustal density of  $2.67 \text{ g/cm}^3$ . All observed gravity values have been adjusted to the 1971 International Gravity Standardization Network (IGSN) datum (Morelli, 1974), and all data reductions used the Geodetic Reference System (GRS)-1967 formulas (International Association of Geodesy, 1971).

## Data Collection

Table 2 lists principal facts of gravity stations that are in the U.S. Defense Mapping Agency (DMA) files, the University of Texas at El Paso files, and in Thomson (1986) and have subsequently been reoccupied by the USGS. The USGS values at these stations were used to readjust the rest of the data in each of the above files for compatibility in generating the gravity maps in Robbins and others (1989), Robbins and Keller (in press), and Jones-Cecil and Robbins (in press). The stations in table 2 were reoccupied while the stations in tables 5, 6, and 7 were being established. Therefore, discussion of data collection under tables 5, 6, and 7 also applies to this table.

Table 3 lists principal facts of gravity stations established by M.C. Gilbert and Ed Robinson in February, 1980. They used LaCoste and Romberg gravity meter no. G-58. Elevations are given to the nearest foot but were apparently leveled in from nearby benchmarks. 21 of their stations (not included in this table) are at or near DMA or USGS stations so that it was easy to adjust their original data values to our datum.

Table 4 lists principal facts of gravity stations that were established as parts of University of Oklahoma masters theses by Barrett (1980; stations with prefix CB), Hayden (1985; stations with prefix hy), Santiago (1979; stations with prefix DS), and Thomson (1986; remaining stations at end of table). They used World-Wide gravity meter no. 1. Information about base stations used and elevation control can be found in their theses.

Tables 5, 6, and 7 list principal facts of gravity stations established by the USGS in 1987, 1988, and 1989. LaCoste and Romberg gravity meters nos. G-161 and G-614 were used. The stations listed in tables 2, 6, and 7 are tied directly to base stations BLWPO and BLWTN (see appendix A). The stations in table 5 are tied directly to base stations BKSI, BKWLL, and KS110.

Gravity observations for stations listed in tables 2, 5, and 7 were made at or near bench marks, spot elevations, or section corners with known elevations as shown on USGS 1:24,000-scale topographic maps. Map elevation contours are in 10 foot intervals. Maps published prior to the mid-1960's have spot elevations printed in two colors; brown and black. Elevation printed in brown (photogrammetric) are accurate to within  $\pm 0.25$  times the contour interval, while black elevations (surveyed in) are accurate to within  $\pm 0.10$  times the contour interval ( $\pm 1$  ft). Maps published after the mid-1960's have only black elevations which are accurate to within  $\pm 0.25$  times the contour interval. Bench marks are accurate to within  $\pm 0.01$  ft but are recorded here only to the nearest 0.1 ft.

## Data Reduction

The observed gravity (O.G.) value for each station in this report is relative to the IGSN 1971 datum (Morelli, 1974). For the stations in tables 2, 5, 6, and 7, this was accomplished by direct ties to base stations that are tied directly to base station FEDL in Lakewood, Colorado (appendix A). The O.G. value of FEDL is based on direct ties to stations on the Mount Evans calibration loop where absolute O.G. values were determined directly by a special free-fall gravity meter. The O.G. values for stations in table 3 were adjusted by direct comparison with DMA and USGS stations at or near the same location (see Data Collection section). The O.G. values for stations in table 4 were also adjusted by direct comparison with DMA file stations at or near the same location. With the table 4 stations however, the adjustment was not a single value that could be added to the original values. Instead, a linear slope adjustment had to be made (fig. 1), because apparently an incorrect calibration value was used for the World-Wide meter in reducing the raw gravity readings.

Inner zone terrain effects or corrections (T.C.'s) were determined manually, using topographic maps and templates, out to a distance of 1.28 km from each station for stations OK1 through OK172 in table 7, and all stations in table 2. T.C.'s were manually determined out to a distance of 0.59 km for all of the other stations in this report except table 4. These T.C.'s, the O.G. values, the station locations (latitude and longitude), and the station elevations were entered into the computer program BOUGUER (Godson and Plouff, 1988). This program, using the GRS-1967 formulas (International Association of Geodesy, 1971), the assumed average crustal density of  $2.67 \text{ g/cm}^3$ , and digital terrain files to calculate T.C.'s out to a distance of 166.7 km, calculated the complete Bouguer anomaly (CBA) gravity values found in appendix C. For table 4, the computer program calculated the entire T.C. value from each station out to 166.7 km. Using a 3-minute digital terrain file, the calculated CBA value, an assumed depth of compensation of 30 km below sea level, an assumed crustal density of  $2.67 \text{ g/cm}^3$ , and an assumed density contrast of the crust-mantle interface of  $0.4 \text{ g/cm}^3$ , the isostatic residual anomaly (IRA) gravity values were calculated using the computer program AIRYROOT (Simpson and others, 1983) which is based on the Airy-Heiskanen isostatic model.

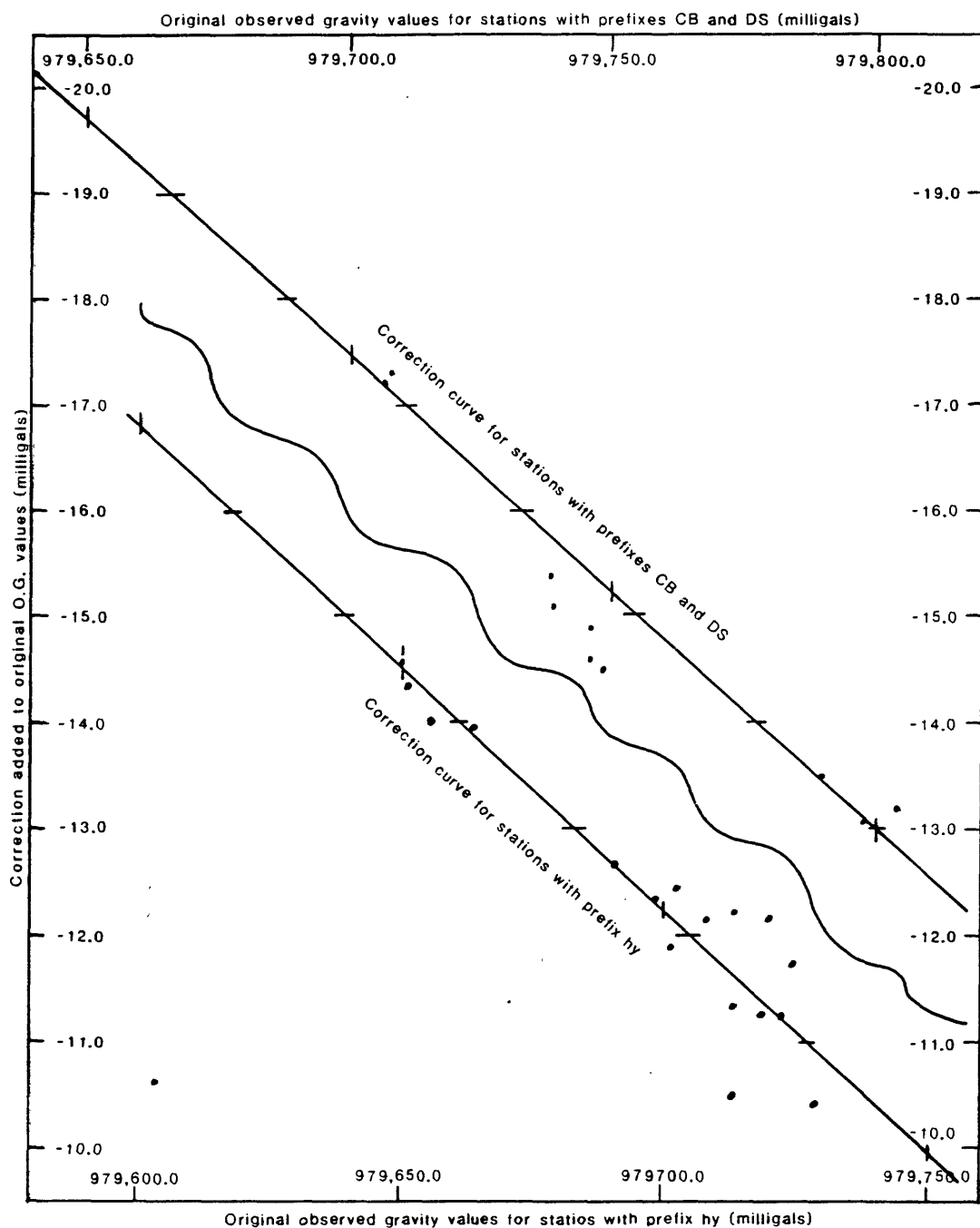


Figure 1. Plot of World-Wide gravity meter no. 1 calibration correction, above values at the original observed gravity (O.G.) values were added in and are now the O.G. values in table 4 for CB stations (Barrett, 1980), DS stations (Santiago, 1979), and hy stations (Hayden, 1985). Note difference in locations of values in the horizontal scales for the two correction curves.

All of the O.G. values in tables 2, 3, 5, 6, and 7 are accurate to within  $\pm 0.05$  mGal relative to their local base station. These base station values are accurate to within  $\pm 0.1$  mGal of the Mount Evans values. The O.G. values in table 4 are probably accurate to  $\pm 0.2$  mGal relative to their local base station. The T.C.'s are accurate to within  $\pm 10$  percent of the calculated values which in this report could be a maximum error of  $\pm 0.15$  mGal in the Wichita Mountains except for the station at the top of Mount Scott which could be  $\pm 0.96$  mGal. If the elevation used for a station is in error by 3 ft (a possibility for spot elevations printed in brown), the error introduced into the CBA value, for LaCoste Romberg gravity meter occupied stations, would be 0.20 mGal. Therefore, the maximum error in a CBA value (except for Mount Scott and stations in table 4) would be  $\pm 0.50$  mGal in this report. However, most errors are probably less than  $\pm 0.20$  mGal. For the stations in table 4, the maximum possible error in CBA values is probably closer to 10.8 mGal with most errors being less than  $\pm 0.5$  mGal.

## References

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- Santiago, D.J., 1979, A gravity and magnetic study of the Medford anomaly, north-central Oklahoma: Norman, University of Oklahoma M.S. Thesis, 105 p., 50 figures.
- Simpson, R.W., Jackens, R.C., and Blakely, R.J., 1983, AIRYROOT; a FORTRAN program for calculating the gravitational attraction of an Airy isostatic root out to 166.7 km: U.S. Geological Survey Open-File Report 83-883, 66 p.
- Thomson, W.A., III, 1986, A geophysical investigation of a possible Recent fault in southwestern Oklahoma: Norman, University of Oklahoma M.S. Thesis, 113 p., 22 figures.



## **Appendix A. Base Station Descriptions**

The following are descriptions of five gravity base stations to which all of the field stations in tables 2, 3, 5, 6, and 7 are directly tied and to which the field stations in table 4 are indirectly tied. The observed gravity (O.G.) values at these base stations were determined from multiple ties to the USGS primary base station FEDL at the Denver Federal Center in Lakewood, Colorado. The O.G. value used at FEDL is 979,586.46 mGal which is relative to the IGSN 1971 datum (Morelli, 1974). The accuracies of the base stations listed here relative to FEDL are within  $\pm 0.10$  mGal.

<b>GRAVITY BASE STATION #</b> BKWLL	
CITY Wellington	STATE Kansas
LATITUDE 37° 16.02'	LONGITUDE 97° 22.88'
ELEVATION 1,222.9 ft (372.74m)	
OBSERVED GRAVITY 979,811.41 mGal	SBA -43.29 mGal
<p><b>LOCATION DESCRIPTION:</b> Station is in Wellington, Kansas on the west side of Washington St. between 7th and 8th Sts. The station is on the concrete walkway 1.6 ft below the U.S. Coast and Geodetic Survey benchmark "v237 1934" which is set vertically into the south wall of the old Memorial Auditorium, 24 inches west of the southeast corner.</p>	

<b>GRAVITY BASE STATION #</b> KS110	
<b>CITY</b> Lyons	<b>STATE</b> Kansas
<b>LATITUDE</b> 38° 20.86'	<b>LONGITUDE</b> 98° 12.18'
<b>ELEVATION</b> 1699.0 ft. (517.86 m)	
<b>OBSERVED GRAVITY</b> 979,856.39 mGal	<b>SBA</b> -64.41 mGal
<p><b>LOCATION DESCRIPTION:</b> Station is northeast of the County Courthouse on the southwest corner of East Main St. and East Avenue South. Station is on National Geodetic Survey benchmark "Lyons Reset 1973" which is in a concrete triangle walkway just southwest of a stone pedestal containing a gas torch.</p>	

<b>GRAVITY BASE STATION #</b>		BKS 1
CITY Lakin	STATE Kansas	
LATITUDE 37° 56.39'	LONGITUDE 101° 15.22'	
ELEVATION 3,00.1 ft (914.74m)		
OBSERVED GRAVITY 979,681.1 mGal	SBA	-125.85 mGal

LOCATION DESCRIPTION: Station is in Lakin, Kansas on the east side of the main road going south out of town. The station is next to and east of a USGS bench mark (3.5 inch iron pipe minus the top cap), and about 0.3 ft below top of pipe. The pipe is in the sidewalk about 145 ft north of the railroad tracks.

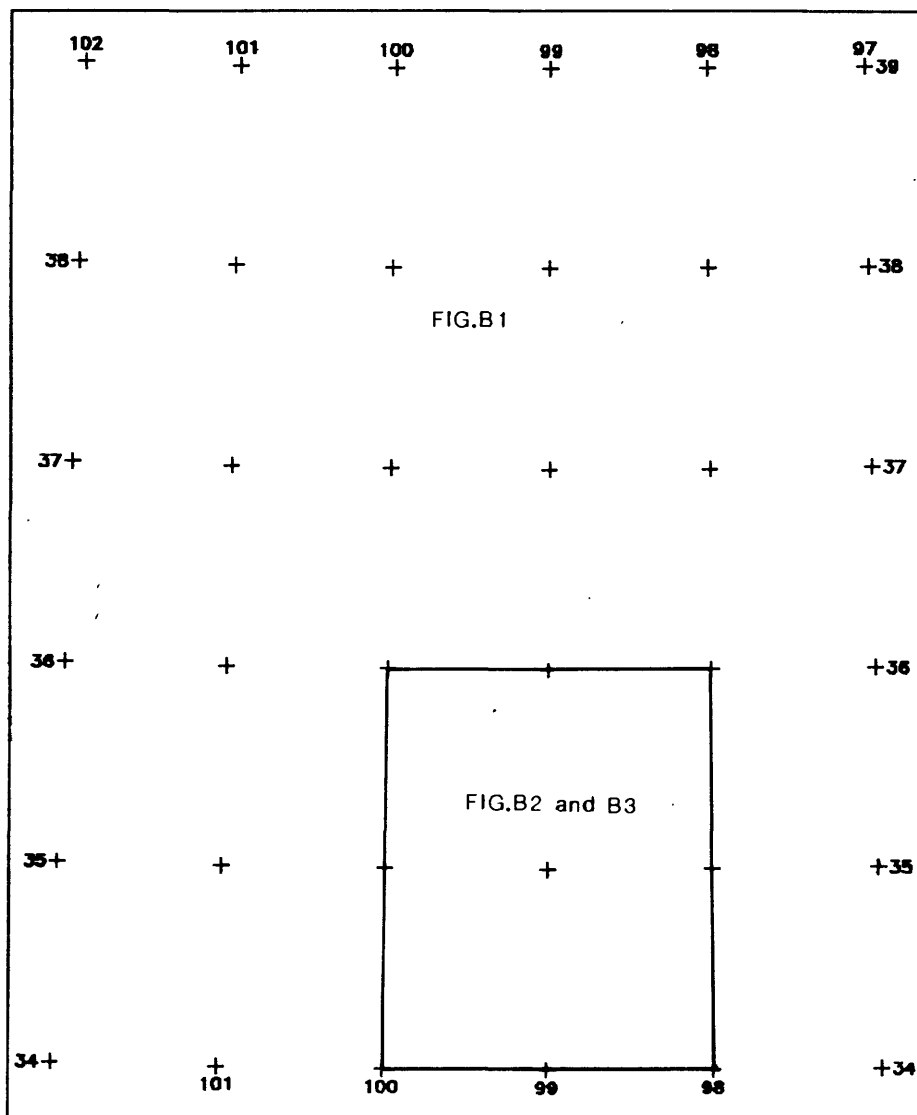
The sketch map illustrates the station's location relative to local features. A vertical line represents the main road, with an arrow pointing upwards labeled 'N' and an arrow pointing downwards labeled 'To U.S. Hwy. 50'. A horizontal line represents a sidewalk, with an arrow pointing downwards labeled 'Out of Town'. A horizontal line with vertical tick marks represents railroad tracks. A small square on the sidewalk is labeled 'Benchmark', and a small circle on the road is labeled 'Gravity Station'.

<b>GRAVITY BASE STATION #</b>		BLWPO
CITY	Lawton- US Court House	STATE
	Oklahoma	
LATITUDE	34° 36.18'	LONGITUDE
	98° 23.69'	
ELEVATION	1,109.0 ft (338.02 m)	
OBSERVED GRAVITY	979,622.83 MGal	SBA -9.94 mGal
<p><b>LOCATION DESCRIPTION:</b> Station is at the Federal Building (U.S. Courthouse) in Lawton, Oklahoma. Station is on U.S. Coast and Geodetic Survey benchmark "y37 1934" which is at the north east corner of 5th street and E Avenue. A standard disk is set in cut stone basister at the southwest corner of the steps on the west side of the building, 8 ft west of the building wall and 20 in above the sidewalk.</p>		
<p>The diagram illustrates the location of the gravity station and benchmark. It shows a street grid with 5th St. running vertically and E Avenue running horizontally. The Federal Building is situated at the northeast corner of this intersection. A gravity station and benchmark, indicated by a black dot, is located at the southwest corner of the building's steps. A north arrow is positioned in the upper right corner of the diagram.</p>		

<b>GRAVITY BASE STATION #</b> BLWTN	
<b>CITY</b> Lawton	<b>STATE</b> Oklahoma
<b>LATITUDE</b> 34° 43.47'	<b>LONGITUDE</b> 98° 23.69'
<b>ELEVATION</b> 1,150.5 ft (350.67 m)	
<b>OBSERVED GRAVITY</b> 979,621.78 mGal	<b>SBA</b> -18.77 mGal
<b>LOCATION DESCRIPTION:</b> Station is 8.6 miles north along the railroad from the train station in Lawton, Oklahoma. The station is 0.2 ft below and next to State Survey benchmark disk "29B 34" which is set in the top of a concrete post. The post is 150 ft east of the old U.S. Highway 62 road on the south side of a section-line road. It is 30 ft south of the section-line road centerline and 30 ft west of the railroad tracks.	

## Appendix B. Station Plots

The following figures show the locations of all the gravity stations presented in this report. Figure B1 is a plot of the entire area at a scale of 1:2,900,000 and includes all of the stations. Figures B2, and B3 are of the same 4° area in southwestern Oklahoma at a scale of 1:1,200,000. Figure B2 is a plot of stations in tables 2, 6, and 7, and figure B3 is a plot of stations in table 3, along with Thomson's stations in table 4.



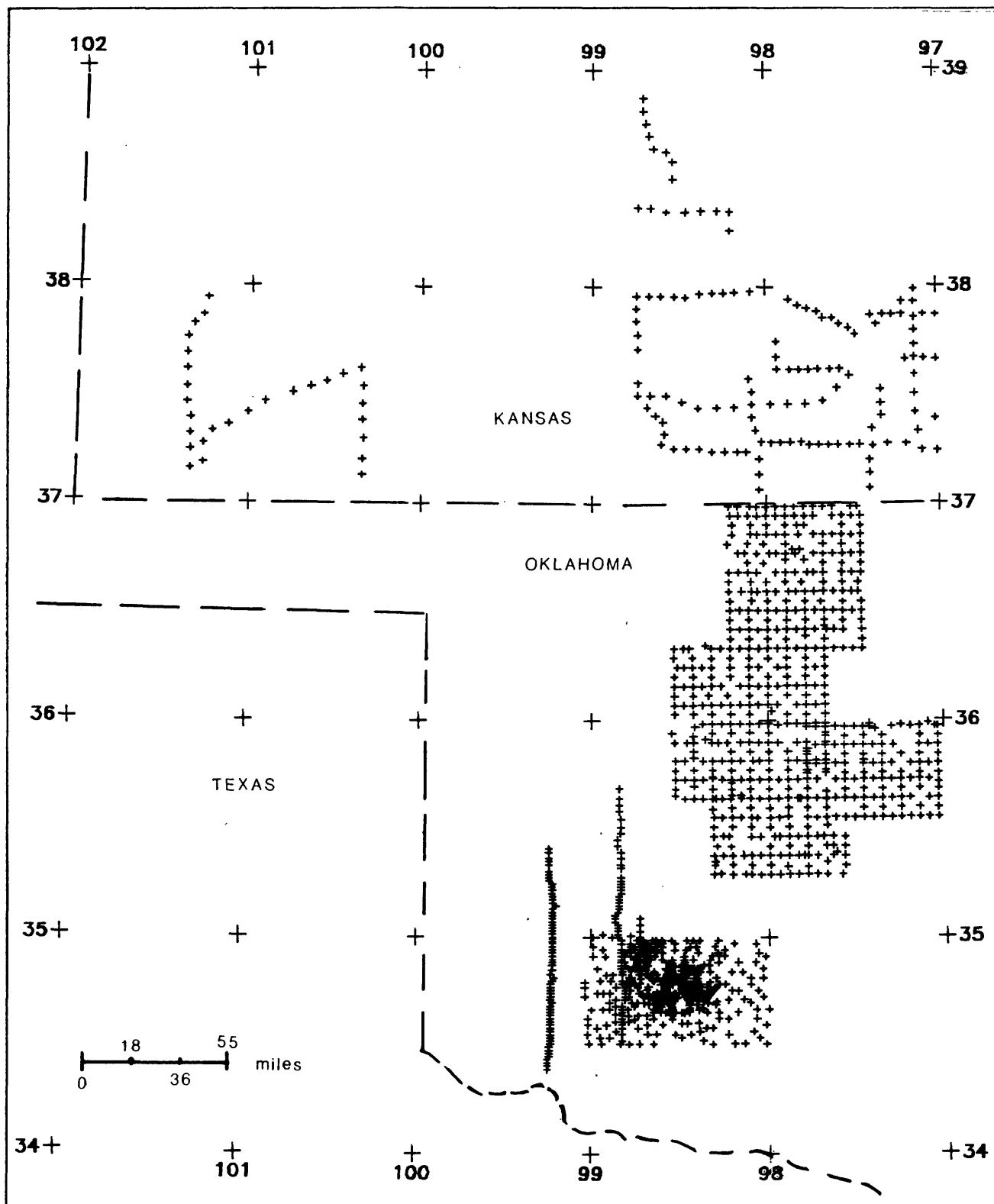


Figure B1. Plot of all gravity stations referenced in this report. Stations from tables 4 and 5 (except for Thomson's stations in table 4) are plotted only in this figure.



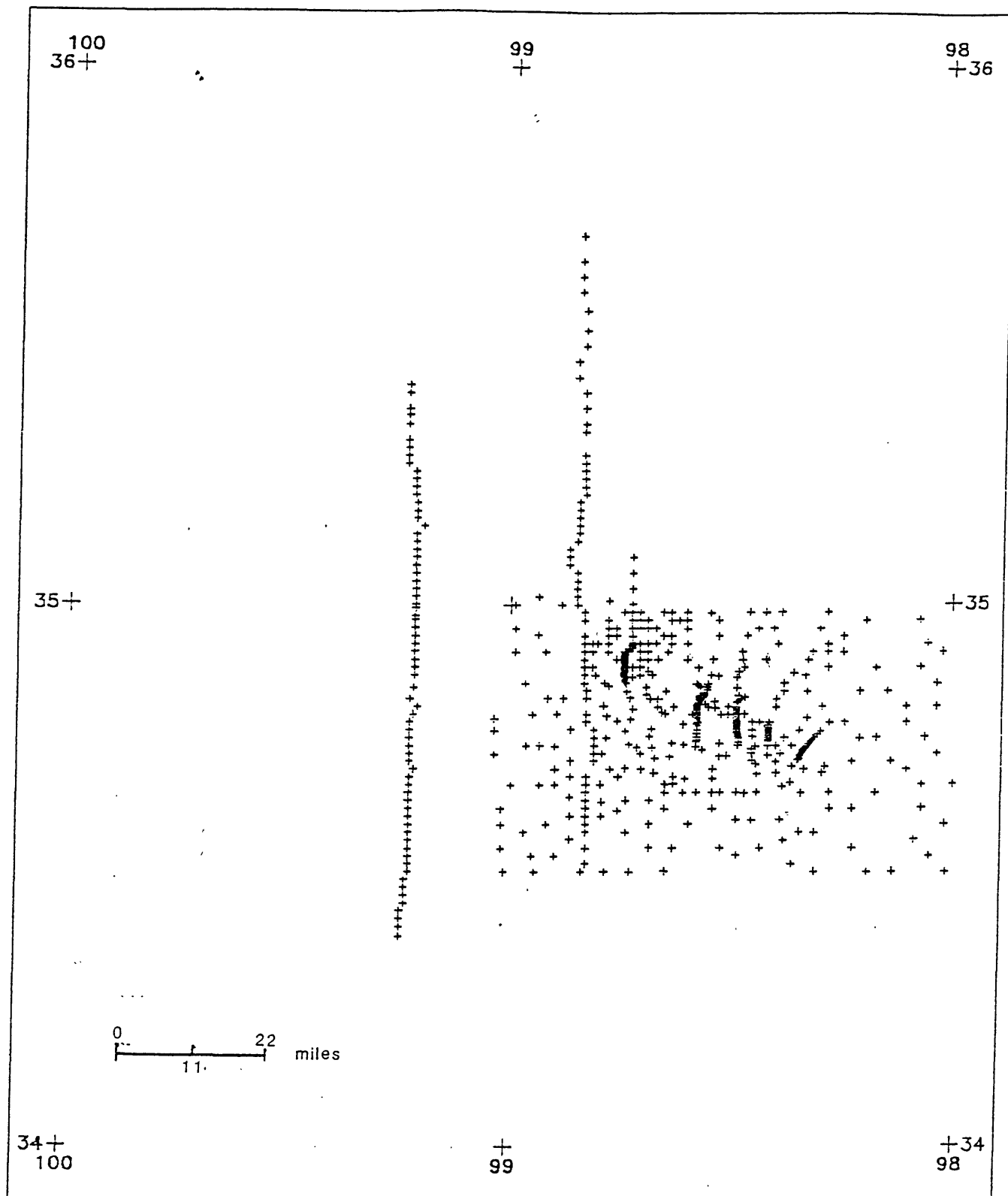


Figure B2. Plot of USGS occupied gravity station locations listed in tables 2, 6, and 7.

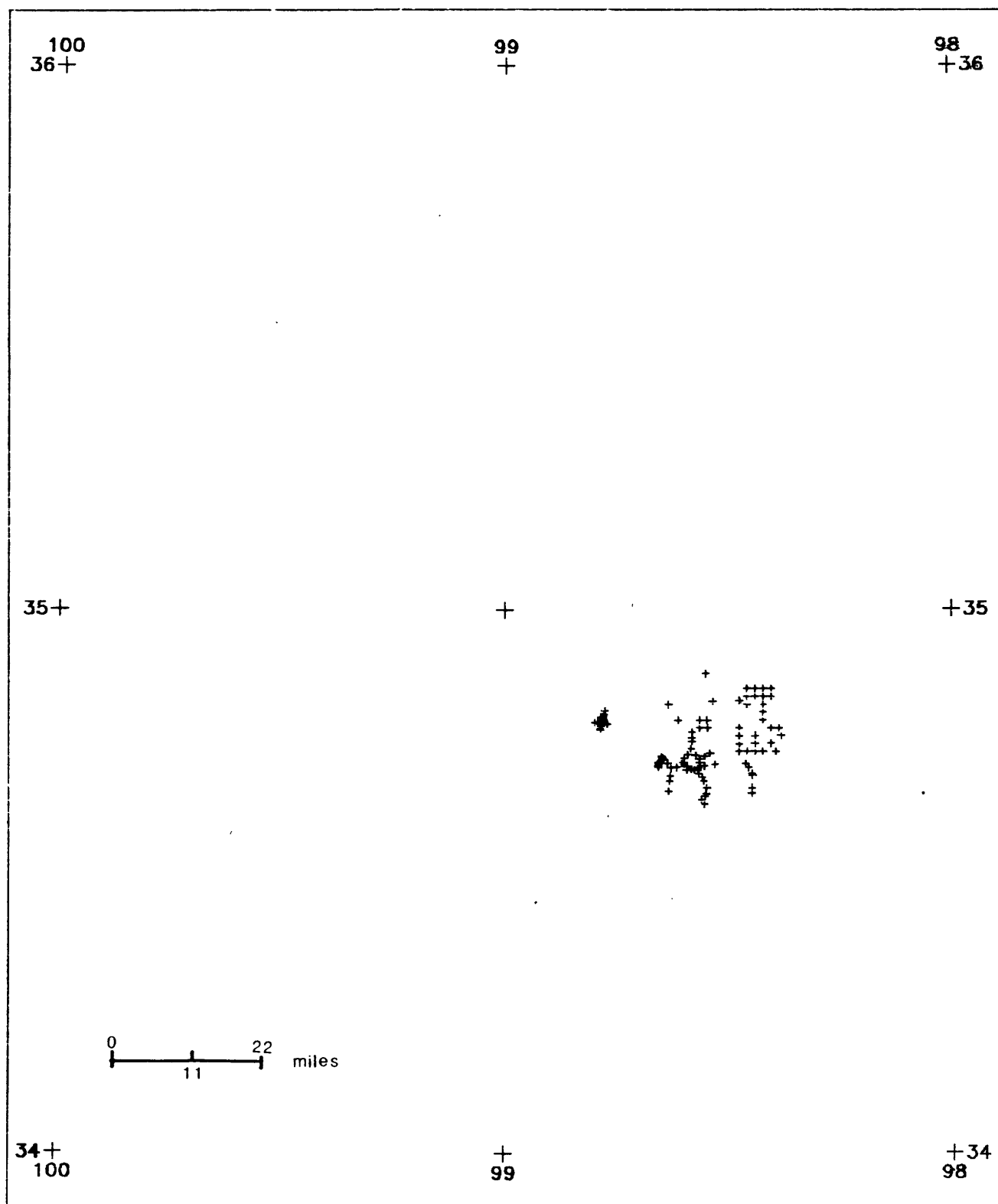


Figure B3. Plot of gravity station locations listed in table 3 and Thomson's (1986) stations in table 4.

## **Appendix C. Principal Facts of Gravity Data**

Tables 2 through 7 in this appendix contain the principal facts for all 1747 gravity stations presented in this report. The following discussion is an explanation of the headings used in the tables.

STA. # - An alphanumeric combination of up to eight characters used for station identification.

LAT. and LONG. - Values listed here are in degrees and minutes to the nearest hundredth of a minute.

ELEV. - This column lists the station elevation in feet to the nearest tenth.

The remaining columns contain gravity values to the nearest hundredth of a milligal. These columns are:

OBS. GRAV. - Observed gravity relative to the 1971 IGSN datum.

F.A.A. - Free air anomaly.

S.B.A. - Simple Bouguer anomaly for a crustal density of  $2.67 \text{ g/cm}^3$ .

T.C.C. - Total terrain correction done by hand and computer, out to a distance of 166.7 km. from each station.

C.B.A. - Complete Bouguer anomaly for a crustal density of  $2.67 \text{ g/cm}^3$ . These values also include curvature corrections.

I.R.A. - Isostatic residual anomaly using an Airy-Heiskanen model with a compensation depth of 30 km. below sea level, an assumed crustal density of  $2.67 \text{ g/cm}^3$ , and a crust-mantle interface density contrast of  $0.4 \text{ g/cm}^3$ .

Table 2.- Principal facts for 27 USGS occupied gravity stations of Thomson, DMA, and the University of Texas.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
gsbl18	34 47.82	98 30.59	1445.0	979613.73	33.98	-15.31	0.12	-15.77	28.65
gsc1	34 47.81	98 31.62	1387.9	979621.95	36.84	-10.50	0.12	-10.93	33.67
gsc11	34 48.69	98 30.61	1504.8	979608.02	32.66	-18.66	0.18	-19.08	25.50
gsd19	34 46.94	98 27.43	1370.0	979611.55	25.98	-20.74	0.08	-21.21	22.51
gse15	34 46.07	98 27.43	1309.0	979617.76	27.68	-16.96	0.06	-17.43	26.14
gse30	34 45.20	98 25.31	1195.0	979621.96	22.39	-18.37	0.02	-18.84	24.19
gse43	34 46.07	98 25.32	1257.0	979614.95	19.98	-22.89	0.04	-23.36	19.84
gse63	34 46.95	98 26.38	1367.0	979609.76	23.89	-22.73	0.09	-23.19	20.35
gsf5	34 50.40	98 23.20	1251.0	979604.36	2.72	-39.95	0.02	-40.44	3.12
gsf6	34 51.29	98 23.21	1296.0	979599.75	1.08	-43.12	0.03	-43.61	0.09
gsf19	34 49.53	98 24.25	1332.0	979605.60	12.80	-32.63	0.06	-33.10	10.51
gsf20	34 48.67	98 24.26	1273.0	979611.59	14.45	-28.96	0.06	-29.42	14.06
gsf24	34 46.94	98 25.10	1297.0	979612.88	20.45	-23.79	0.09	-24.22	19.10
gsf4	34 45.20	98 23.16	1164.0	979617.47	14.98	-24.72	0.00	-25.19	17.49
gsf6	34 44.32	98 24.28	1152.0	979622.05	19.68	-19.62	0.01	-20.08	22.62
gsh3	34 47.82	98 35.40	1545.0	979620.89	50.54	-2.16	0.17	-2.60	42.65
gsh6	34 48.68	98 37.91	1653.0	979617.15	55.74	-0.63	0.20	-1.08	44.72
gsh9	34 49.52	98 40.03	1658.0	979619.29	57.17	0.62	0.20	0.17	46.43
gsh12	34 50.43	98 38.98	1725.0	979609.68	52.57	-6.26	0.23	-6.71	39.54
gs1102	34 37.41	98 49.55	1346.0	979622.76	48.37	2.47	0.02	1.94	46.90
gs020024	34 43.92	98 34.11	1570.0	979610.00	47.50	-6.05	0.23	-6.44	37.83
gs020066	34 40.15	98 37.91	1365.0	979609.87	33.41	-13.15	0.12	-13.57	30.44
gs020160	34 53.93	98 42.46	1596.0	979618.34	44.15	-10.28	0.14	-10.77	36.48
gs020161	34 57.41	98 43.53	1478.0	979624.54	34.33	-16.08	0.05	-16.62	31.19
gs020163	34 44.16	98 42.83	1634.0	979612.11	55.29	-0.44	0.29	-0.79	44.86
gsN30161	34 47.82	98 28.48	1424.0	979609.92	28.19	-20.38	0.13	-20.82	23.24
gsN30971	34 56.54	98 43.52	1475.0	979623.97	34.72	-15.59	0.06	-16.12	31.59

Table 3.- Principal facts for 87 gravity stations established by M.C.Gilbert  
and E.Robinson.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
wm1	34 42.62	98 39.35	1497.0	979611.04	43.51	-7.55	0.23	-7.91	36.90
wm2	34 42.67	98 39.32	1500.0	979611.23	43.91	-7.25	0.18	-7.66	37.15
wm3	34 42.71	98 39.33	1498.0	979611.79	44.23	-6.86	0.19	-7.27	37.55
wm4	34 42.76	98 39.34	1501.0	979611.92	44.57	-6.62	0.22	-7.00	37.84
wm5	34 42.80	98 39.36	1505.0	979611.85	44.83	-6.51	0.22	-6.88	37.97
wm6	34 42.85	98 39.32	1497.0	979613.54	45.69	-5.37	0.23	-5.73	39.12
wm7	34 42.89	98 39.28	1492.0	979613.54	45.16	-5.73	0.21	-6.11	38.75
wm8	34 42.93	98 39.26	1488.0	979614.29	45.48	-5.27	0.22	-5.65	39.21
wm9	34 42.98	98 39.25	1490.0	979614.73	46.03	-4.78	0.24	-5.14	39.73
wm10	34 43.02	98 39.27	1494.0	979614.92	46.55	-4.41	0.23	-4.77	40.12
wm11	34 43.06	98 39.30	1505.0	979614.92	47.53	-3.80	0.25	-4.15	40.75
wm12	34 43.09	98 39.34	1517.0	979614.48	48.17	-3.57	0.24	-3.93	40.98
wm13	34 43.12	98 39.11	1507.0	979614.73	47.44	-3.96	0.24	-4.32	40.57
wm14	34 43.16	98 39.10	1513.0	979614.73	47.95	-3.66	0.24	-4.02	40.87
wm15	34 43.21	98 39.09	1521.0	979614.60	48.50	-3.38	0.26	-3.72	41.18
wm16	34 43.24	98 39.05	1526.0	979614.48	48.81	-3.24	0.26	-3.59	41.31
wm17	34 43.28	98 39.01	1528.0	979614.42	48.88	-3.24	0.27	-3.57	41.34
wm18	34 43.32	98 38.98	1531.0	979614.17	48.85	-3.36	0.28	-3.69	41.22
wm19	34 43.36	98 38.93	1534.0	979614.10	49.01	-3.31	0.30	-3.62	41.29
wm20	34 43.40	98 38.90	1540.0	979614.04	49.45	-3.07	0.33	-3.35	41.57
wm21	34 43.45	98 38.82	1545.0	979613.79	49.60	-3.09	0.41	-3.29	41.63
wm22	34 43.52	98 38.77	1560.0	979613.17	50.30	-2.91	0.46	-3.06	41.87
wm23	34 43.58	98 38.75	1596.0	979611.35	51.78	-2.65	0.48	-2.80	42.14
wm24	34 43.62	98 38.75	1623.0	979609.85	52.76	-2.59	0.44	-2.79	42.15
wm25	34 43.66	98 38.85	1671.0	979606.98	54.35	-2.65	0.50	-2.80	42.17
wm26	34 43.69	98 38.85	1688.0	979606.23	55.16	-2.42	0.51	-2.57	42.41
wm27	34 43.76	98 38.88	1719.0	979604.92	56.66	-1.97	0.50	-2.14	42.85
wm28	34 43.81	98 38.89	1731.0	979604.35	57.15	-1.89	0.51	-2.05	42.96
wm29	34 40.03	98 37.95	1361.0	979610.29	33.62	-12.80	0.13	-13.22	30.77

Table 3.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
wm32	34 41.11	98 37.84	1390.0	979610.04	34.58	-12.83	0.29	-13.10	31.13
wm33	34 41.67	98 37.72	1438.0	979609.23	37.50	-11.55	0.26	-11.86	32.48
wm34	34 42.51	98 37.67	1484.0	979610.04	41.44	-9.17	0.19	-9.57	34.95
wm35	34 42.60	98 36.88	1507.0	979609.60	43.04	-8.36	0.22	-8.73	35.69
wm36	34 43.09	98 36.17	1562.0	979610.29	48.21	-5.06	0.25	-5.43	38.99
wm37	34 43.59	98 35.88	1635.0	979608.35	52.43	-3.33	0.36	-3.61	40.88
wm38	34 44.00	98 35.32	1650.0	979607.29	52.21	-4.07	0.27	-4.45	40.04
wm40	34 44.16	98 32.40	1433.0	979617.29	41.57	-7.31	0.67	-7.21	36.82
wm41	34 43.82	98 33.11	1434.0	979617.48	42.33	-6.58	0.35	-6.80	37.28
wm42	34 43.89	98 34.32	1600.0	979609.10	49.47	-5.10	0.25	-5.48	38.82
wm43	34 44.63	98 34.95	1611.0	979610.92	51.28	-3.67	0.35	-3.95	40.60
wm45	34 45.47	98 34.81	1550.0	979618.42	51.86	-1.01	0.84	-0.78	43.92
wm46	34 45.83	98 34.82	1505.0	979621.98	50.68	-0.65	0.52	-0.73	44.05
wm48	34 46.52	98 34.79	1435.0	979627.98	49.12	0.18	0.24	-0.16	44.75
wm55	34 47.82	98 33.77	1483.0	979620.04	43.86	-6.72	0.15	-7.16	37.81
wm56	34 47.82	98 32.75	1440.0	979621.29	41.06	-8.05	0.14	-8.48	36.32
wm61	34 39.08	98 33.50	1334.0	979608.35	30.48	-15.02	0.16	-15.39	27.68
wm63	34 40.30	98 32.80	1320.0	979613.92	33.02	-12.00	0.19	-12.34	30.91
wm64	34 39.73	98 32.90	1310.0	979612.85	31.81	-12.87	0.24	-13.16	29.97
wm65	34 39.42	98 33.03	1300.0	979612.54	30.99	-13.35	0.12	-13.75	29.33
wm66	34 38.56	98 33.14	1270.0	979613.17	30.02	-13.30	0.04	-13.77	29.12
wm67	34 41.11	98 33.22	1360.0	979615.17	36.89	-9.50	0.28	-9.76	33.74
wm68	34 41.46	98 33.41	1370.0	979615.98	38.14	-8.59	0.24	-8.90	34.71
wm69	34 41.90	98 33.90	1399.0	979615.42	39.69	-8.02	0.36	-8.22	35.57
wm70	34 42.28	98 34.45	1423.0	979615.10	41.09	-7.45	0.45	-7.56	36.40
wm71	34 42.38	98 34.85	1431.0	979614.85	41.45	-7.36	0.43	-7.50	36.55
wm72	34 42.29	98 35.51	1520.0	979608.35	43.45	-8.39	0.40	-8.59	35.55
wm73	34 42.72	98 35.47	1510.0	979611.17	44.72	-6.78	0.23	-7.15	37.08
wm74	34 42.96	98 35.90	1590.0	979607.54	48.28	-5.95	0.26	-6.32	38.03
wm75	34 42.30	98 34.00	1425.0	979615.29	41.44	-7.16	0.28	-7.45	36.44

Table 3.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
wm76	34 42.54	98 33.97	1460.0	979613.48	42.59	-7.21	0.22	-7.57	36.37
wm77	34 43.13	98 33.80	1520.0	979611.17	45.09	-6.76	0.24	-7.12	36.93
wm78	34 43.49	98 33.82	1550.0	979610.48	46.71	-6.16	0.23	-6.54	37.59
wm79	34 42.75	98 33.13	1490.0	979611.29	42.92	-7.90	0.30	-8.19	35.66
wm81	34 42.90	98 31.76	1380.0	979618.04	39.12	-7.95	0.30	-8.20	35.46
wm84	34 42.56	98 27.22	1249.0	979620.92	30.15	-12.45	0.05	-12.90	29.93
wm86	34 43.01	98 27.62	1260.0	979622.35	31.98	-10.99	0.09	-11.41	31.58
wm87	34 41.92	98 26.78	1230.0	979621.60	29.95	-12.01	0.04	-12.47	30.15
wm88	34 41.68	98 26.72	1210.0	979622.23	29.04	-12.23	0.02	-12.70	29.86
wm90	34 40.33	98 26.77	1240.0	979615.04	26.57	-15.73	0.03	-16.20	26.08
wm91	34 39.75	98 26.80	1210.0	979616.42	25.95	-15.32	0.01	-15.81	26.35
wm93	34 43.06	98 38.10	1520.0	979612.54	46.56	-5.28	0.28	-5.61	39.11
wm96	34 46.78	98 47.07	1710.0	979620.60	67.24	8.91	0.47	8.72	55.46
wm97	34 46.90	98 47.07	1715.0	979620.67	67.60	9.11	0.36	8.80	55.56
wm98	34 47.03	98 47.06	1736.0	979619.67	68.40	9.19	0.35	8.86	55.64
wm99	34 47.20	98 47.04	1775.0	979617.23	69.39	8.85	0.42	8.58	55.39
wm100	34 47.42	98 47.00	1807.0	979616.04	70.89	9.26	0.43	8.99	55.84
wm101	34 47.56	98 46.73	1820.0	979615.79	71.67	9.60	0.56	9.45	56.29
wm102	34 47.78	98 46.71	1880.0	979613.17	74.38	10.26	0.80	10.34	57.22
wm103	34 48.03	98 46.70	1860.0	979615.04	74.02	10.58	1.17	11.03	57.96
wm104	34 48.19	98 47.06	1795.0	979621.23	73.87	12.65	0.51	12.46	59.46
wm105	34 48.21	98 46.71	1861.0	979616.79	75.61	12.14	0.73	12.15	59.11
wm106	34 48.46	98 46.59	1855.0	979620.17	78.07	14.80	0.76	14.85	61.84
wm107	34 48.88	98 46.48	1860.0	979620.48	78.25	14.82	0.65	14.75	61.80
wm108	34 47.55	98 47.39	1760.0	979619.29	69.54	9.51	0.66	9.49	56.41
wm109	34 47.56	98 47.80	1750.0	979622.35	71.65	11.96	0.34	11.62	58.59
wm110	34 47.50	98 46.50	1830.0	979613.04	69.95	7.53	0.56	7.38	54.18
wm111	34 47.47	98 46.20	1865.0	979613.07	73.31	9.70	0.62	9.60	56.36

Table 4. - Principle facts for 633 gravity stations from four University of Oklahoma master theses.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB1	36 19.95	97 40.50	1168.0	979732.83	-4.29	-44.12	-0.01	-44.61	-4.69
CB2	36 19.95	97 43.74	1146.0	979736.13	-3.06	-42.14	-0.02	-42.63	-2.20
CB3	36 19.94	97 46.96	1102.0	979740.03	-3.28	-40.86	-0.03	-41.35	-0.40
CB4	36 19.95	97 50.18	1132.0	979738.53	-1.97	-40.58	-0.02	-41.07	0.42
CB5	36 19.96	97 53.38	1265.0	979729.83	1.82	-41.33	0.04	-41.80	0.25
CB6	36 19.95	97 56.59	1283.0	979728.93	2.63	-41.13	0.02	-41.63	0.99
CB7	36 19.96	97 59.82	1180.0	979736.33	0.33	-39.92	-0.04	-40.44	2.76
CB8	36 19.96	98 03.04	1194.0	979735.53	0.84	-39.88	-0.04	-40.41	3.41
CB9	36 19.97	98 06.25	1225.0	979733.23	1.44	-40.34	-0.03	-40.87	3.59
CB10	36 19.97	98 09.47	1317.0	979727.43	4.30	-40.62	-0.01	-41.16	3.96
CB11	36 19.98	98 12.70	1303.0	979727.73	3.27	-41.17	-0.02	-41.72	4.08
CB12	36 19.98	98 16.02	1226.0	979733.03	1.33	-40.49	-0.05	-41.03	5.50
CB13	36 19.98	98 19.12	1262.0	979730.73	2.42	-40.63	-0.05	-41.19	6.06
CB14	36 20.84	98 21.26	1292.0	979730.53	3.79	-40.27	-0.05	-40.84	6.93
CB15	36 19.99	98 26.64	1220.0	979731.53	-0.75	-42.36	-0.08	-42.94	6.20
CB16	36 19.99	98 28.76	1310.0	979723.93	0.11	-44.57	0.03	-45.06	4.66
CB17	36 19.99	98 31.99	1301.0	979721.83	-2.83	-47.21	-0.06	-47.79	2.83
CB18	36 17.35	97 40.50	1142.0	979730.43	-5.39	-44.34	0.00	-44.81	-5.00
CB19	36 17.34	97 46.95	1070.0	979737.83	-4.75	-41.25	-0.04	-41.73	-0.90
CB20	36 17.35	97 53.38	1216.0	979729.63	0.77	-40.70	-0.01	-41.21	0.72
CB21	36 17.35	97 59.82	1158.0	979734.53	0.22	-39.28	-0.04	-39.79	3.29
CB22	36 17.36	98 06.25	1239.0	979729.33	2.62	-39.64	-0.03	-40.17	4.18
CB23	36 17.37	98 12.71	1254.0	979725.13	-0.19	-42.96	-0.04	-43.51	2.21
CB24	36 17.37	98 19.12	1185.0	979731.23	-0.58	-40.99	-0.08	-41.56	5.65
CB25	36 17.38	98 25.56	1217.0	979728.83	0.02	-41.49	-0.08	-42.07	6.80
CB26	36 17.38	98 31.99	1344.0	979715.83	-1.04	-46.88	-0.04	-47.46	3.24
CB27	36 14.75	97 40.51	1124.0	979727.53	-6.25	-44.58	-0.02	-45.06	-5.37
CB28	36 14.75	97 43.72	1058.0	979734.13	-5.85	-41.94	-0.04	-42.42	-2.24
CB29	36 14.75	97 46.96	1070.0	979734.83	-4.03	-40.52	-0.05	-41.01	-0.31



Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB31	36 14.75	97 53.38	1250.0	979724.23	2.30	-40.33	0.04	-40.80	1.00
CB32	36 14.75	97 56.60	1215.0	979727.03	1.81	-39.63	-0.01	-40.13	2.24
CB34	36 14.75	98 03.03	1263.0	979724.83	4.12	-38.95	0.00	-39.46	4.13
CB35	36 14.75	98 06.22	1265.0	979723.73	3.21	-39.93	-0.02	-40.46	3.78
CB37	36 14.76	98 12.70	1188.0	979724.43	-3.35	-43.86	-0.06	-44.41	1.23
CB39	36 14.77	98 19.07	1242.0	979722.73	0.02	-42.34	-0.05	-42.90	4.28
CB40	36 14.77	98 22.24	1313.0	979717.33	1.30	-43.49	-0.02	-44.04	3.97
CB41	36 14.77	98 25.56	1269.0	979718.63	-1.54	-44.82	-0.05	-45.39	3.53
CB42	36 14.77	98 28.60	1307.0	979714.33	-2.27	-46.85	-0.04	-47.41	2.38
CB43	36 14.78	98 30.75	1394.0	979708.63	0.20	-47.35	0.00	-47.91	2.52
CB44	36 12.20	97 40.52	1099.0	979725.83	-6.63	-44.12	-0.03	-44.60	-5.03
CB45	36 12.15	97 46.91	1035.0	979734.43	-3.98	-39.28	-0.06	-39.77	0.80
CB46	36 12.17	97 53.36	1240.0	979723.33	4.16	-38.13	0.03	-38.60	3.07
CB47	36 12.19	97 59.82	1179.0	979727.23	2.30	-37.92	-0.04	-38.44	4.41
CB48	36 12.15	98 06.20	1243.0	979722.03	3.18	-39.22	-0.03	-39.75	4.39
CB49	36 12.17	98 12.62	1189.0	979721.73	-2.23	-42.78	-0.05	-43.32	2.24
CB50	36 12.17	98 19.02	1193.0	979722.03	-1.55	-42.24	-0.07	-42.80	4.36
CB51	36 12.12	98 25.41	1275.0	979714.43	-1.37	-44.86	-0.04	-45.42	3.51
CB52	36 12.13	98 31.78	1493.0	979698.03	2.72	-48.20	0.04	-48.75	2.10
CB53	36 09.59	97 40.52	1030.0	979726.33	-8.88	-44.01	-0.05	-44.49	-5.04
CB54	36 09.57	97 43.78	992.0	979731.73	-7.03	-40.86	-0.07	-41.34	-1.39
CB55	36 09.55	97 46.93	1035.0	979731.63	-3.05	-38.35	-0.06	-38.84	1.62
CB56	36 09.57	97 50.14	1086.0	979729.83	-0.09	-37.13	-0.05	-37.62	3.38
CB57	36 09.63	97 53.37	1189.0	979724.13	3.82	-36.74	-0.01	-37.23	4.33
CB58	36 09.58	97 56.59	1141.0	979727.53	2.77	-36.14	-0.04	-36.65	5.48
CB59	36 09.59	97 59.82	1210.0	979722.73	4.45	-36.82	-0.02	-37.33	5.42
CB60	36 09.57	98 03.03	1223.0	979721.13	4.10	-37.61	-0.03	-38.14	5.25
CB61	36 09.55	98 06.20	1212.0	979721.03	3.00	-38.34	-0.04	-38.87	5.19
CB62	36 09.56	98 09.44	1164.0	979722.03	-0.53	-40.23	-0.06	-40.77	4.01

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB64	36 09.57	98 15.82	1163.0	979721.73	-0.94	-40.61	-0.07	-41.15	5.17
CB65	36 09.56	98 19.01	1233.0	979716.53	0.46	-41.60	-0.05	-42.15	5.02
CB66	36 09.54	98 22.22	1224.0	979717.33	0.44	-41.31	-0.06	-41.87	6.19
CB67	36 09.51	98 25.41	1290.0	979711.23	0.59	-43.41	-0.02	-43.95	5.05
CB68	36 09.51	98 28.60	1401.0	979701.93	1.73	-46.06	0.03	-46.59	3.38
CB69	36 09.53	98 31.77	1664.0	979681.63	6.13	-50.62	0.26	-51.02	-0.05
CB70	36 06.97	97 40.52	999.0	979724.63	-9.74	-43.81	-0.06	-44.29	-4.94
CB71	36 06.97	97 46.91	1072.0	979725.93	-1.57	-38.14	-0.04	-38.62	1.74
CB72	36 07.00	97 53.37	1161.0	979724.93	5.76	-33.84	-0.03	-34.35	7.11
CB73	36 06.99	97 59.80	1192.0	979720.93	4.69	-35.97	-0.03	-36.48	6.18
CB74	36 06.94	98 06.20	1177.0	979721.63	4.05	-36.10	-0.04	-36.62	7.38
CB75	36 06.96	98 13.68	1174.0	979718.93	1.04	-39.01	-0.06	-39.54	6.23
CB76	36 06.95	98 20.07	1227.0	979715.03	2.13	-39.71	-0.06	-40.27	7.23
CB77	36 06.91	98 25.40	1311.0	979708.53	3.60	-41.12	-0.01	-41.66	7.42
CB78	36 06.93	98 31.77	1673.0	979678.43	7.51	-49.55	0.16	-50.04	1.03
CB79	36 04.36	97 40.51	1003.0	979721.13	-9.12	-43.32	-0.06	-43.80	-4.53
CB80	36 04.35	97 43.72	1064.0	979721.83	-2.66	-38.95	-0.04	-39.43	0.34
CB81	36 04.36	97 46.93	1110.0	979720.73	0.55	-37.31	-0.02	-37.78	2.51
CB82	36 04.37	97 50.14	1169.0	979718.73	4.08	-35.79	-0.01	-36.28	4.55
CB84	36 04.41	97 56.61	1097.0	979724.33	2.85	-34.57	-0.06	-35.08	6.89
CB85	36 04.50	97 59.79	1157.0	979721.53	5.57	-33.90	-0.04	-34.41	8.18
CB86	36 04.37	98 03.01	1145.0	979721.53	4.63	-34.43	-0.06	-34.95	8.30
CB87	36 04.35	98 06.19	1106.0	979724.93	4.39	-33.33	-0.07	-33.86	10.09
CB88	36 04.36	98 09.39	1099.0	979724.93	3.72	-33.77	-0.08	-34.30	10.40
CB89	36 04.35	98 12.60	1158.0	979719.23	3.58	-35.92	-0.06	-36.45	9.06
CB90	36 04.35	98 15.81	1176.0	979715.43	1.47	-38.64	-0.05	-39.17	7.18
CB91	36 04.35	98 19.00	1220.0	979711.43	1.61	-40.00	-0.06	-40.55	6.69
CB92	36 04.33	98 22.21	1265.0	979708.03	2.47	-40.68	-0.03	-41.22	6.97
CB93	36 04.29	98 25.38	1338.0	979702.43	3.79	-41.84	0.01	-42.37	6.79

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB94	36 04.31	98 28.57	1601.0	979682.73	8.80	-45.81	0.15	-46.29	3.87
CB95	36 04.34	98 31.77	1621.0	979679.53	7.43	-47.86	0.08	-48.41	2.76
CB96	36 01.75	97 40.52	1056.0	979713.33	-8.19	-44.20	-0.03	-44.67	-5.46
CB97	36 01.74	97 46.95	1173.0	979713.53	3.02	-36.98	0.00	-37.46	2.78
CB98	36 01.78	97 53.39	1113.0	979720.33	4.13	-33.83	-0.05	-34.34	7.00
CB99	36 02.65	97 58.75	1116.0	979723.43	6.26	-31.80	-0.06	-32.32	10.03
CB100	36 01.73	98 06.19	1155.0	979720.63	8.45	-30.95	-0.02	-31.44	12.51
CB101	36 01.73	98 12.59	1239.0	979711.43	7.15	-35.11	-0.01	-35.62	9.92
CB102	36 01.74	98 18.99	1202.0	979708.63	0.85	-40.14	-0.05	-40.68	6.63
CB103	36 01.70	98 25.31	1302.0	979700.23	1.92	-42.49	0.01	-43.00	6.22
CB104	36 01.74	98 31.78	1589.0	979677.73	6.35	-47.85	0.06	-48.41	2.85
CB105	35 59.13	97 40.52	1152.0	979707.53	-1.21	-40.50	0.01	-40.96	-1.77
CB106	35 59.13	97 43.73	1106.0	979712.83	-0.23	-37.96	0.01	-38.40	1.29
CB107	35 59.13	97 46.92	1139.0	979713.13	3.17	-35.68	-0.01	-36.15	4.06
CB108	35 59.14	97 50.16	1096.0	979718.43	4.41	-32.97	-0.04	-33.46	7.29
CB109	35 59.17	97 53.37	1085.0	979720.93	5.84	-31.17	-0.05	-31.67	9.65
CB110	35 58.71	97 56.59	1030.0	979725.73	6.12	-29.01	-0.07	-29.51	12.40
CB111	35 59.16	97 59.79	1041.0	979725.63	6.41	-29.09	-0.08	-29.60	12.95
CB112	35 59.14	98 03.00	1092.0	979722.43	8.03	-29.21	-0.07	-29.73	13.51
CB113	35 59.12	98 06.13	1154.0	979718.63	10.10	-29.26	-0.05	-29.78	14.18
CB114	35 59.12	98 09.39	1137.0	979717.73	7.60	-31.18	-0.06	-31.71	13.05
CB115	35 59.12	98 12.58	1192.0	979711.43	6.47	-34.19	-0.05	-34.72	10.87
CB116	35 59.13	98 15.80	1221.0	979706.63	4.38	-37.26	-0.03	-37.79	8.68
CB117	35 59.12	98 18.99	1233.0	979703.73	2.63	-39.43	-0.04	-39.97	7.42
CB118	35 59.11	98 22.19	1296.0	979698.33	3.17	-41.04	0.03	-41.53	6.82
CB119	35 58.24	98 24.86	1313.0	979695.23	2.91	-41.88	0.11	-42.29	6.90
CB122	35 56.52	97 40.52	1087.0	979710.33	-0.78	-37.85	-0.01	-38.31	0.89
CB125	35 56.52	97 59.77	1109.0	979719.63	10.59	-27.24	-0.05	-27.74	14.85
CB126	35 56.55	98 06.17	1105.0	979718.43	8.97	-28.72	-0.06	-29.23	14.80

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB127	35 56.52	98 12.58	1294.0	979701.03	9.39	-34.75	0.03	-35.24	10.43
CB128	35 56.52	98 18.99	1267.0	979698.93	4.75	-38.46	-0.02	-39.00	8.48
CB129	35 55.66	98 25.37	1489.0	979680.23	8.16	-42.63	0.07	-43.15	6.28
CB130	35 56.53	98 32.84	1561.0	979669.23	2.68	-50.56	0.06	-51.11	0.57
CB131	35 53.90	97 40.50	1045.0	979710.53	-0.78	-36.42	0.01	-36.84	2.40
CB133	35 53.87	97 46.82	1043.0	979715.43	3.97	-31.60	-0.05	-32.08	8.18
CB134	35 53.89	97 50.13	1071.0	979715.63	6.77	-29.75	-0.05	-30.24	10.58
CB136	35 53.90	97 56.48	1084.0	979715.83	8.19	-28.78	-0.05	-29.28	12.71
CB137	35 53.91	97 59.66	1146.0	979712.53	10.70	-28.38	-0.04	-28.89	13.75
CB138	35 53.91	98 02.97	1203.0	979709.33	12.86	-28.17	-0.01	-28.67	14.70
CB139	35 53.91	98 06.17	1215.0	979707.93	12.59	-28.85	-0.03	-29.37	14.75
CB140	35 53.92	98 09.37	1218.0	979707.33	12.26	-29.28	-0.03	-29.81	15.11
CB141	35 53.92	98 13.64	1244.0	979701.63	9.01	-33.42	-0.03	-33.96	12.10
CB142	35 53.92	98 16.81	1254.0	979699.13	7.45	-35.32	0.00	-35.83	11.12
CB143	35 53.92	98 18.98	1345.0	979692.33	9.21	-36.67	0.03	-37.18	10.39
CB144	35 54.79	98 21.11	1378.0	979689.53	8.27	-38.73	0.04	-39.25	8.92
CB145	35 53.92	98 25.14	1610.0	979670.13	11.93	-42.98	0.12	-43.50	5.91
CB146	35 53.92	98 27.41	1587.0	979669.43	9.07	-45.06	0.13	-45.56	4.53
CB147	35 53.93	98 31.77	1591.0	979665.63	5.63	-48.64	0.07	-49.20	2.18
CB149	35 51.37	97 46.82	1059.0	979711.03	4.65	-31.46	-0.04	-31.94	8.40
CB150	35 51.40	97 53.24	1091.0	979711.13	7.72	-29.49	-0.05	-29.99	11.48
CB151	35 51.37	97 59.67	1063.0	979713.53	7.53	-28.72	-0.07	-29.23	13.51
CB152	35 51.34	98 06.01	1140.0	979709.43	10.71	-28.17	-0.05	-28.69	15.50
CB153	35 51.33	98 12.40	1174.0	979704.73	9.23	-30.81	-0.03	-31.32	14.50
CB155	35 51.34	98 25.14	1519.0	979673.63	10.56	-41.25	0.06	-41.79	7.67
CB157	35 48.79	97 40.43	1097.0	979700.23	1.12	-36.30	-0.01	-36.76	2.65
CB158	35 48.78	97 43.63	1046.0	979705.53	1.64	-34.04	-0.04	-34.51	5.41
CB159	35 48.77	97 46.82	1102.0	979702.93	4.32	-33.27	-0.03	-33.75	6.71
CB160	35 48.78	97 50.03	1169.0	979700.23	7.90	-31.97	-0.01	-32.45	8.57

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB161	35 48.78	97 53.25	1125.0	979704.53	8.07	-30.30	-0.03	-30.80	10.80
CB163	35 48.75	97 59.67	1089.0	979707.03	7.22	-29.92	-0.05	-30.42	12.45
CB164	35 48.75	98 02.87	1130.0	979704.33	8.37	-30.17	-0.05	-30.68	12.90
CB165	35 48.74	98 05.00	1135.0	979704.33	8.86	-29.85	-0.05	-30.36	13.71
CB166	35 48.73	98 09.20	1173.0	979701.53	9.65	-30.36	-0.04	-30.88	14.23
CB167	35 48.72	98 12.39	1240.0	979696.93	11.37	-30.93	-0.02	-31.45	14.49
CB168	35 48.72	98 15.59	1280.0	979693.33	11.53	-32.13	0.04	-32.61	14.19
CB169	35 48.72	98 18.77	1539.0	979674.43	16.99	-35.50	0.11	-36.00	11.69
CB170	35 48.73	98 21.97	1512.0	979674.23	14.23	-37.34	0.06	-37.88	10.71
CB171	35 49.61	98 25.13	1480.0	979674.53	10.26	-40.21	0.04	-40.76	8.72
CB172	35 48.72	98 28.35	1558.0	979664.13	8.48	-44.66	0.08	-45.20	5.19
CB173	35 48.73	98 31.50	1688.0	979651.33	7.88	-49.69	0.16	-50.19	1.08
CB174	35 46.16	97 40.43	1032.0	979700.73	-0.74	-35.94	-0.04	-36.40	3.14
CB175	35 46.16	97 46.82	1160.0	979694.63	5.20	-34.36	0.00	-34.84	5.77
CB176	35 46.17	97 53.25	1108.0	979700.23	5.89	-31.90	-0.03	-32.38	9.38
CB177	35 46.15	97 59.67	1144.0	979697.23	6.31	-32.71	-0.02	-33.20	9.82
CB178	35 46.13	98 06.02	1176.0	979694.83	6.95	-33.16	-0.03	-33.67	10.79
CB179	35 46.11	98 12.40	1280.0	979688.03	9.96	-33.70	0.03	-34.19	11.86
CB180	35 46.12	98 18.77	1504.0	979672.13	15.12	-36.18	0.07	-36.71	11.05
CB181	35 46.14	98 25.14	1486.0	979668.23	9.49	-41.19	0.08	-41.70	7.79
CB182	35 46.12	98 31.51	1812.0	979639.03	10.98	-50.82	0.22	-51.30	-0.09
CB184	35 43.54	97 43.44	1145.0	979690.83	3.73	-35.32	0.00	-35.79	4.41
CB185	35 43.54	97 46.81	1195.0	979686.93	4.54	-36.22	0.02	-36.69	4.08
CB186	35 43.55	97 50.04	1242.0	979686.13	8.14	-34.22	0.03	-34.70	6.64
CB187	35 43.56	97 53.24	1182.0	979690.83	7.19	-33.13	0.01	-33.60	8.32
CB188	35 43.56	97 56.45	1192.0	979689.73	7.03	-33.63	-0.01	-34.12	8.42
CB189	35 43.53	97 59.67	1209.0	979686.93	5.87	-35.37	-0.01	-35.87	7.32
CB190	35 43.53	98 02.87	1151.0	979689.53	3.01	-36.25	-0.03	-36.75	7.12
CB191	35 43.52	98 06.02	1222.0	979685.03	5.21	-36.47	-0.01	-36.98	7.62

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB192	35 43.51	98 09.23	1301.0	979680.43	8.05	-36.32	0.03	-36.82	8.55
CB193	35 42.64	98 12.41	1482.0	979667.23	13.11	-37.43	0.10	-37.92	8.28
CB194	35 43.52	98 15.60	1521.0	979666.03	14.33	-37.55	0.10	-38.05	8.93
CB195	35 44.38	98 18.77	1436.0	979672.73	11.80	-37.17	0.04	-37.71	10.08
CB196	35 43.51	98 21.97	1446.0	979668.13	9.39	-39.93	0.04	-40.47	8.17
CB197	35 43.51	98 25.14	1542.0	979659.43	9.72	-42.88	0.08	-43.41	6.06
CB198	35 43.51	98 28.34	1695.0	979645.83	10.51	-47.31	0.18	-47.79	2.52
CB199	35 43.50	98 31.52	1753.0	979638.13	8.27	-51.52	0.17	-52.03	-0.91
CB201	35 40.91	97 46.81	1251.0	979679.33	5.96	-36.71	0.05	-37.17	3.77
CB202	35 40.93	97 53.24	1166.0	979685.73	4.33	-35.44	0.04	-35.87	6.22
CB203	35 40.92	97 59.67	1232.0	979679.73	4.56	-37.46	0.00	-37.96	5.38
CB204	35 40.90	98 06.03	1308.0	979672.63	4.64	-39.98	0.03	-40.47	4.26
CB205	35 40.90	98 12.41	1414.0	979666.23	8.21	-40.02	0.05	-40.54	5.70
CB206	35 40.90	98 18.78	1431.0	979664.53	8.10	-40.70	0.04	-41.23	6.59
CB207	35 41.78	98 25.14	1668.0	979646.93	11.54	-45.36	0.17	-45.84	3.61
CB208	35 40.90	98 31.52	1638.0	979640.73	3.77	-52.10	0.13	-52.61	-1.62
CB209	35 38.31	97 40.42	1072.0	979688.63	2.14	-34.43	0.01	-34.86	5.15
CB210	35 38.30	97 43.63	1169.0	979681.93	4.57	-35.30	0.01	-35.76	4.79
CB211	35 38.29	97 46.82	1229.0	979676.03	4.32	-37.59	0.03	-38.06	3.04
CB212	35 38.30	97 50.04	1277.0	979673.73	6.53	-37.02	0.04	-37.50	4.16
CB213	35 38.32	97 53.24	1223.0	979677.93	5.62	-36.09	0.01	-36.58	5.66
CB214	35 38.31	97 56.46	1214.0	979676.93	3.79	-37.62	0.03	-38.08	4.77
CB215	35 38.30	97 59.67	1283.0	979669.83	3.20	-40.56	0.03	-41.05	2.43
CB216	35 38.31	98 02.86	1428.0	979658.23	5.22	-43.49	0.11	-43.95	0.20
CB217	35 38.30	98 06.03	1354.0	979662.13	2.17	-44.01	0.04	-44.51	0.33
CB218	35 39.17	98 09.23	1381.0	979663.23	4.57	-42.53	0.04	-43.05	2.49
CB219	35 39.18	98 12.40	1389.0	979662.53	4.61	-42.77	0.03	-43.29	2.99
CB220	35 38.29	98 15.60	1456.0	979656.73	6.37	-43.29	0.06	-43.81	3.24
CB221	35 38.29	98 17.72	1473.0	979654.63	5.87	-44.37	0.06	-44.89	2.67

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
CB222	35 38.30	98 21.97	1534.0	979649.13	6.10	-46.22	0.08	-46.75	1.83
CB223	35 38.31	98 25.14	1634.0	979640.23	6.59	-49.14	0.16	-49.62	-0.28
CB224	35 38.29	98 28.33	1739.0	979631.33	7.59	-51.72	0.21	-52.19	-2.09
CB225	35 39.17	98 31.52	1641.0	979637.33	3.12	-52.85	0.17	-53.32	-2.42
DS12E	36 25.15	97 34.09	1138.0	979737.73	-9.69	-48.51	-0.01	-48.98	-9.85
DS13	36 27.74	97 34.09	1105.0	979738.93	-15.32	-53.01	-0.02	-53.49	-14.27
DS14	36 30.35	97 34.09	1025.0	979753.63	-11.91	-46.86	-0.05	-47.34	-8.04
DS15	36 30.36	97 30.90	1016.0	979752.43	-13.97	-48.62	-0.05	-49.09	-10.26
DS16	36 30.36	97 27.66	960.0	979755.08	-16.58	-49.33	-0.06	-49.78	-11.41
DS17	36 27.76	97 27.66	1012.0	979747.38	-15.65	-50.17	-0.04	-50.62	-12.34
DS18	36 25.16	97 27.65	1069.0	979738.38	-15.54	-52.00	-0.01	-52.45	-14.26
DS19	36 25.15	97 39.87	1093.0	979738.63	-13.02	-50.30	0.02	-50.73	-10.71
DS22	36 19.95	97 34.09	1172.0	979725.88	-10.86	-50.83	0.02	-51.29	-12.33
DS23	36 19.95	97 30.86	1078.0	979729.28	-16.30	-53.07	0.00	-53.51	-15.02
DS24	36 19.95	97 27.65	1065.0	979729.73	-17.07	-53.40	-0.01	-53.85	-15.82
DS25	36 22.56	97 27.65	1088.0	979732.63	-15.76	-52.87	-0.01	-53.33	-15.21
DS27	36 25.16	97 37.31	1155.0	979738.48	-7.35	-46.75	-0.01	-47.23	-7.61
DS28F	36 26.25	97 40.50	1173.0	979741.13	-4.58	-44.59	0.00	-45.07	-4.92
DS29	36 27.76	97 40.50	1151.0	979745.33	-4.63	-43.89	-0.01	-44.37	-4.17
DS30	36 30.36	97 40.50	1038.0	979757.03	-7.30	-42.70	-0.02	-43.15	-2.87
DS31	36 30.35	97 37.32	1083.0	979752.23	-7.85	-44.79	-0.02	-45.25	-5.46
DS33	36 19.95	97 37.30	1166.0	979729.48	-7.82	-47.59	0.01	-48.06	-8.63
DS34	36 22.55	97 40.50	1121.0	979738.63	-6.65	-44.88	-0.02	-45.36	-5.34
DS36	36 25.16	97 43.73	1183.0	979741.08	-2.12	-42.47	-0.01	-42.96	-2.32
DS37G	36 25.17	97 46.97	1198.0	979742.28	0.48	-40.38	-0.01	-40.88	0.29
DS38	36 27.77	97 46.95	1176.0	979747.98	0.36	-39.75	-0.02	-40.24	1.01
DS39	36 30.39	97 47.05	1133.0	979755.53	0.10	-38.55	-0.04	-39.05	2.29
DS40	36 30.37	97 43.73	1116.0	979754.48	-2.53	-40.59	-0.04	-41.09	-0.29
DS42	36 23.43	97 46.97	1163.0	979741.83	-0.77	-40.43	-0.02	-40.93	0.17

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DS44	36 25.19	97 50.19	1221.0	979741.33	1.66	-39.99	0.00	-40.48	1.24
DS45H	36 25.19	97 53.40	1264.0	979738.98	3.35	-39.76	0.00	-40.27	2.00
DS46	36 27.79	97 53.38	1310.0	979740.73	5.69	-38.99	0.03	-39.49	2.87
DS47	36 30.41	97 53.36	1234.0	979750.43	4.46	-37.62	0.00	-38.12	4.30
DS48	36 30.41	97 50.18	1168.0	979755.03	2.86	-36.98	-0.01	-37.46	4.41
DS50	36 22.58	97 53.57	1254.0	979735.23	2.42	-40.35	0.00	-40.86	1.34
DS52	36 25.19	97 56.63	1321.0	979734.48	4.21	-40.84	0.02	-41.35	1.50
DS53I	36 25.19	97 59.81	1301.0	979736.33	4.18	-40.19	0.01	-40.71	2.71
DS54	36 27.80	97 59.80	1345.0	979737.13	5.36	-40.51	0.05	-41.00	2.51
DS55	36 30.42	97 59.79	1380.0	979738.68	6.43	-40.64	0.10	-41.09	2.49
DS56	36 30.39	97 56.71	1377.0	979740.18	7.70	-39.27	0.16	-39.66	3.36
DS58	36 22.65	97 59.82	1245.0	979736.03	2.27	-40.19	-0.02	-40.71	2.61
DS60	36 25.19	98 03.05	1272.0	979738.63	3.76	-39.63	-0.02	-40.16	3.87
DS61J	36 25.18	98 06.25	1246.0	979741.38	4.08	-38.42	-0.01	-38.94	5.72
DS62	36 27.80	98 06.26	1324.0	979739.73	5.99	-39.17	0.00	-39.70	5.04
DS63	36 30.39	98 06.24	1345.0	979741.63	6.14	-39.74	0.02	-40.26	4.54
DS64	36 30.41	98 03.02	1365.0	979741.23	7.59	-38.97	0.04	-39.48	4.70
DS66	36 22.57	98 06.25	1289.0	979734.33	4.83	-39.14	-0.01	-39.67	4.90
DS68	36 25.19	98 09.46	1321.0	979736.18	5.91	-39.14	-0.01	-39.68	5.62
DS69	36 25.20	98 12.69	1372.0	979731.78	6.30	-40.50	0.02	-41.03	4.94
DS70	36 27.82	98 12.70	1454.0	979729.68	8.13	-41.46	0.12	-41.92	4.13
DS71	36 30.40	98 12.68	1345.0	979740.38	4.87	-41.00	-0.01	-41.55	4.54
DS72	36 30.40	98 09.45	1355.0	979739.63	5.06	-41.15	0.01	-41.69	3.75
DS74	36 22.59	98 12.70	1324.0	979731.38	5.14	-40.02	-0.01	-40.56	5.33
DS75K	36 35.61	97 34.09	1082.0	979760.08	-7.68	-44.58	-0.04	-45.07	-5.54
DS76	36 38.21	97 34.20	1028.0	979768.63	-7.96	-43.02	-0.06	-43.51	-3.82
DS77	36 40.82	97 34.20	1003.0	979775.13	-7.58	-41.79	-0.07	-42.27	-2.39
DS78	36 40.82	97 30.96	993.0	979773.78	-9.87	-43.73	-0.07	-44.22	-4.78
DS79	36 40.83	97 27.72	996.0	979771.93	-11.45	-45.42	-0.06	-45.89	-6.87



Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DS80	36 38.22	97 28.82	987.0	979768.03	-12.43	-46.09	-0.07	-46.57	-7.61
DS81	36 35.61	97 28.75	1003.0	979762.03	-13.16	-47.37	-0.05	-47.84	-9.06
DS82	36 35.61	97 30.93	1051.0	979760.28	-10.40	-46.24	-0.04	-46.72	-7.63
DS84	36 32.95	97 34.09	1042.0	979757.43	-10.26	-45.80	-0.05	-46.28	-6.88
DS85	36 32.97	97 27.67	1027.0	979754.93	-14.19	-49.22	-0.04	-49.68	-11.18
DS87	36 35.61	97 37.32	1104.0	979760.43	-5.26	-42.92	-0.02	-43.39	-3.39
DS88L	36 35.60	97 40.66	1066.0	979763.78	-5.47	-41.83	-0.04	-42.31	-1.81
DS89	36 38.21	97 40.67	1070.0	979769.88	-2.76	-39.25	-0.04	-39.73	0.90
DS90	36 40.81	97 40.66	1028.0	979777.58	-2.76	-37.82	-0.08	-38.33	2.45
DS91	36 40.82	97 34.44	1014.0	979776.23	-5.44	-40.03	-0.06	-40.50	-0.59
DS93	36 32.97	97 41.57	1094.0	979759.33	-3.49	-40.80	-0.04	-41.29	-0.75
DS95	36 35.60	97 43.79	1124.0	979763.33	-0.46	-38.80	-0.04	-39.30	1.68
DS96M	36 35.60	97 46.98	1093.0	979767.18	0.47	-36.81	-0.05	-37.31	4.18
DS97	36 38.20	97 48.21	1066.0	979774.38	1.38	-34.98	-0.07	-35.49	6.30
DS98	36 40.81	97 46.09	1044.0	979779.38	0.55	-35.06	-0.08	-35.57	6.03
DS99	36 40.81	97 43.91	1031.0	979779.18	-0.88	-36.04	-0.08	-36.55	4.71
DS101	36 33.00	97 46.97	1129.0	979760.63	1.06	-37.45	-0.04	-37.95	3.46
DS103	36 35.60	97 50.22	1080.0	979770.13	2.20	-34.64	-0.06	-35.14	6.88
DS104N	36 35.61	97 52.49	1097.0	979769.78	3.43	-33.98	-0.06	-34.49	7.91
DS105	36 38.22	97 53.58	1099.0	979773.53	3.60	-33.88	-0.07	-34.40	8.28
DS106	36 40.83	97 53.59	1120.0	979776.23	4.51	-33.69	-0.07	-34.22	8.57
DS107	36 40.83	97 50.38	1055.0	979780.18	2.35	-33.63	-0.08	-34.15	8.12
DS109	36 33.02	97 53.35	1145.0	979761.43	3.33	-35.72	-0.05	-36.24	6.24
DS111	36 35.61	97 56.83	1152.0	979763.83	2.65	-36.64	-0.05	-37.16	5.99
DS1120	36 35.62	98 00.07	1161.0	979761.73	1.39	-38.21	-0.05	-38.73	5.00
DS113	36 38.22	98 00.08	1122.0	979769.28	1.52	-36.75	-0.07	-37.28	6.52
DS115	36 40.83	97 56.84	1077.0	979779.23	3.47	-33.27	-0.09	-33.80	9.53
DS117	36 33.02	97 59.79	1248.0	979751.28	2.87	-39.70	-0.02	-40.23	3.40
DS119	36 35.61	98 03.32	1207.0	979757.03	1.02	-40.14	-0.04	-40.67	3.67

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DS120P	36 35.61	98 05.19	1231.0	979754.08	0.33	-41.65	-0.01	-42.16	2.54
DS121	36 38.22	98 05.47	1205.0	979762.33	2.37	-38.73	-0.04	-39.26	5.55
DS122	36 40.83	98 06.56	1191.0	979766.53	1.49	-39.13	-0.06	-39.68	5.42
DS123	36 40.83	98 03.32	1116.0	979773.48	1.39	-36.68	-0.08	-37.21	7.28
DS125	36 33.01	98 05.19	1279.0	979748.18	2.70	-40.93	-0.01	-41.45	3.20
DS127	36 35.62	98 08.69	1217.0	979754.88	-0.19	-41.70	0.01	-42.18	3.20
DS128	36 35.62	98 13.01	1373.0	979744.03	3.63	-43.20	0.06	-43.69	2.56
DS129	36 38.23	98 13.00	1187.0	979758.53	-3.13	-43.61	-0.05	-44.15	2.14
DS130	36 40.85	98 12.99	1144.0	979762.68	-6.80	-45.82	-0.08	-46.37	-0.01
DS131	36 40.83	98 09.80	1212.0	979760.73	-2.33	-43.67	-0.06	-44.23	1.50
DS133	36 33.01	98 12.68	1359.0	979742.18	4.22	-42.13	0.00	-42.68	3.46
DS134Q	36 46.04	97 34.20	1098.0	979778.33	-2.98	-40.43	-0.04	-40.92	-0.56
DS135	36 48.65	97 34.20	1113.0	979781.33	-2.34	-40.31	-0.03	-40.79	-0.15
DS136	36 51.26	97 34.20	1128.0	979783.73	-2.31	-40.78	-0.03	-41.27	-0.31
DS137	36 51.26	97 30.97	1099.0	979783.93	-4.83	-42.32	-0.04	-42.81	-2.25
DS138	36 51.26	97 27.73	1126.0	979780.58	-5.65	-44.05	-0.02	-44.53	-4.35
DS139	36 48.65	97 27.72	1084.0	979779.38	-7.02	-43.99	-0.03	-44.47	-4.62
DS140	36 46.03	97 27.72	1015.0	979779.83	-9.27	-43.89	-0.06	-44.37	-4.83
DS141	36 46.04	97 30.96	1089.0	979777.33	-4.83	-41.97	-0.03	-42.45	-2.51
DS143	36 43.43	97 34.20	1048.0	979777.18	-5.06	-40.80	-0.06	-41.30	-1.20
DS144	36 43.43	97 27.72	1055.0	979773.08	-8.50	-44.49	-0.05	-44.97	-5.70
DS146	36 46.02	97 37.44	1067.0	979782.48	-1.72	-38.11	-0.06	-38.61	2.17
DS147R	36 46.03	97 40.66	1050.0	979775.78	-10.03	-45.84	-0.08	-46.35	-5.13
DS148	36 48.64	97 40.66	1088.0	979786.18	0.17	-36.94	-0.06	-37.44	4.05
DS149	36 51.25	97 40.67	1172.0	979782.73	0.85	-39.13	-0.02	-39.62	2.18
DS150	36 51.25	97 37.45	1144.0	979783.58	-0.94	-39.95	-0.03	-40.45	0.92
DS152	36 43.42	97 40.66	1035.0	979783.78	0.33	-34.97	-0.07	-35.46	5.52
DS154	36 46.03	97 43.91	1067.0	979785.23	1.02	-35.37	-0.07	-35.88	5.80
DS156	36 47.10	97 48.63	1077.0	979786.53	1.71	-35.02	-0.06	-35.52	6.96

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DS157	36 47.09	97 51.24	1087.0	979787.28	3.42	-33.65	-0.07	-34.17	8.71
DS158	36 51.26	97 43.92	1117.0	979786.13	-0.94	-39.04	-0.05	-39.55	2.70
DS160	36 44.30	97 47.12	1048.0	979785.98	2.48	-33.26	-0.09	-33.78	8.22
DS162	36 46.04	97 50.35	1072.0	979788.28	4.53	-32.04	-0.08	-32.56	10.08
DS163T	36 46.04	97 53.60	1102.0	979787.93	7.00	-30.59	-0.08	-31.12	12.03
DS164	36 48.65	97 53.60	1126.0	979791.08	8.63	-29.78	-0.07	-30.31	13.08
DS165	36 51.27	97 53.59	1107.0	979793.58	5.56	-32.20	-0.05	-32.70	10.98
DS166	36 51.26	97 49.25	1117.0	979787.23	0.16	-37.94	-0.07	-38.47	4.55
DS168	36 44.30	97 53.61	1066.0	979786.83	5.03	-31.33	-0.09	-31.86	11.15
DS170	36 46.04	97 56.86	1163.0	979785.78	10.58	-29.08	-0.02	-29.58	14.10
DS171U	36 46.05	97 59.02	1108.0	979788.08	7.69	-30.10	-0.09	-30.64	13.40
DS172	36 48.67	98 01.16	1133.0	979787.43	5.61	-33.03	-0.08	-33.57	11.06
DS173	36 51.29	98 00.07	1137.0	979792.83	7.60	-31.18	-0.08	-31.72	13.01
DS174	36 51.26	97 56.84	1126.0	979798.73	12.50	-25.90	-0.07	-26.43	17.76
DS176	36 43.44	98 01.17	1086.0	979781.78	3.10	-33.94	-0.09	-34.48	9.74
DS178	36 46.05	98 03.34	1169.0	979778.78	4.13	-35.74	-0.03	-36.25	8.55
DS179V	36 46.06	98 07.68	1142.0	979776.03	-1.17	-40.12	-0.08	-40.66	4.93
DS180	36 48.66	98 06.63	1316.0	979767.98	3.39	-41.49	0.02	-42.00	3.62
DS181	36 51.29	98 05.49	1352.0	979768.68	3.67	-42.44	0.09	-42.89	2.80
DS182	36 51.29	98 03.33	1170.0	979783.93	1.81	-38.10	-0.06	-38.64	6.65
DS184	36 43.44	98 06.57	1130.0	979784.93	10.39	-28.15	-0.09	-28.71	16.51
DS186	36 46.06	98 09.86	1155.0	979772.53	-3.44	-42.84	-0.08	-43.39	2.62
DS188	36 48.52	98 13.55	1143.0	979771.23	-9.43	-48.42	-1.10	-48.99	-2.08
DS189	36 51.30	98 11.98	1162.0	979773.18	-9.71	-49.35	-0.05	-49.87	-2.99
DS193W	36 56.50	97 34.18	1175.0	979787.08	-2.11	-42.19	-0.02	-42.69	-1.04
DS195	36 59.12	97 30.98	1075.0	979795.58	-6.81	-43.47	-0.05	-43.97	-2.35
DS196	36 59.10	97 28.81	1070.0	979794.28	-8.55	-45.05	-0.05	-45.54	-4.17
DS197	36 56.49	97 27.73	1091.0	979789.13	-7.95	-45.16	-0.04	-45.65	-4.77
DS198	36 56.49	97 30.97	1169.0	979785.98	-3.76	-43.63	-0.01	-44.12	-2.86

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DS200	36 53.88	97 34.19	1138.0	979786.03	-2.86	-41.67	-0.03	-42.16	-0.86
DS201	36 53.86	97 27.72	1144.0	979782.73	-5.56	-44.58	-0.02	-45.07	-4.55
DS203	36 56.50	97 37.42	1207.0	979785.03	-1.16	-42.32	-0.01	-42.82	-0.76
DS205	36 59.11	97 40.69	1186.0	979787.98	-3.96	-44.41	-0.03	-44.93	-2.07
DS206	36 59.11	97 37.45	1212.0	979786.93	-2.57	-43.90	-0.01	-44.41	-1.98
DS208	36 53.87	97 49.65	1178.0	979783.83	-1.28	-41.46	-0.03	-41.97	1.44
DS210	36 56.50	97 43.92	1176.0	979786.08	-3.02	-43.13	-0.04	-43.65	-0.71
DS211Y	36 56.50	97 47.09	1144.0	979788.03	-4.08	-43.10	-0.06	-43.63	-0.24
DS212	36 59.12	97 47.22	1218.0	979784.93	-4.01	-45.55	-0.03	-46.08	-2.29
DS213	36 59.12	97 43.92	1168.0	979787.78	-5.86	-45.70	-0.04	-46.21	-2.90
DS215	36 53.84	97 47.10	1123.0	979786.78	-3.45	-41.76	-0.07	-42.29	0.74
DS217	36 56.51	97 50.42	1140.0	979789.53	-2.97	-41.85	-0.07	-42.39	1.49
DS218Z	36 56.50	97 53.67	1204.0	979787.88	1.41	-39.65	-0.05	-40.19	4.19
DS219	36 59.11	97 53.67	1225.0	979785.78	-2.49	-44.27	-0.04	-44.81	-0.04
DS220	36 59.12	97 50.41	1191.0	979786.68	-4.80	-45.42	-0.05	-45.95	-1.68
DS222	36 53.88	97 53.61	1179.0	979789.48	4.45	-35.76	-0.05	-36.29	7.72
DS224	36 56.51	97 56.90	1175.0	979794.63	5.42	-34.66	-0.06	-35.19	9.70
DS225AA	36 56.51	98 00.17	1178.0	979792.48	3.55	-36.63	-0.07	-37.18	8.25
DS226	36 59.12	98 00.17	1220.0	979789.78	1.03	-40.58	-0.05	-41.13	4.70
DS227	36 59.12	97 56.93	1217.0	979790.93	1.90	-39.61	-0.05	-40.16	5.13
DS229	36 53.90	98 00.05	1150.0	979794.18	6.40	-32.82	-0.08	-33.37	11.67
DS231	36 56.51	98 03.31	1185.0	979787.33	-0.94	-41.36	-0.07	-41.91	4.06
DS232AB	36 56.52	98 06.55	1240.0	979779.53	-3.58	-45.88	-0.06	-46.44	0.11
DS233	36 59.13	98 05.59	1258.0	979780.83	-4.36	-47.27	-0.05	-47.83	-1.05
DS234	36 59.13	98 03.40	1238.0	979784.33	-2.74	-44.97	-0.06	-45.53	0.86
DS236	36 53.90	98 05.48	1240.0	979777.88	-1.44	-43.73	-0.04	-44.27	1.73
DS238	36 56.53	98 09.85	1326.0	979773.88	-1.16	-46.39	-0.01	-46.93	0.23
DS239	36 56.53	98 12.49	1195.0	979778.98	-8.38	-49.14	-0.07	-49.69	-2.04
DS240	36 59.15	98 13.14	1220.0	979779.83	-8.97	-50.58	-0.08	-51.15	-2.97

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DS241	36 59.14	98 09.91	1267.0	979779.33	-5.03	-48.25	-0.06	-48.82	-1.25
DS243	36 53.91	98 11.96	1184.0	979775.28	-9.32	-49.70	-0.06	-50.24	-3.05
hy3	35 23.50	97 36.90	1283.0	979652.03	6.47	-37.29	0.08	-37.72	2.10
hy4	35 25.26	97 34.10	1247.0	979658.33	6.89	-35.64	0.06	-36.09	3.33
hy7	35 27.88	97 34.10	1195.0	979666.73	6.66	-34.09	0.03	-34.55	4.85
hy9	35 33.08	97 33.93	1225.0	979673.23	8.58	-33.20	0.05	-33.65	5.59
hy11	35 38.31	97 34.06	1110.0	979687.23	4.31	-33.55	0.00	-34.00	5.00
hy13	35 40.93	97 34.05	1096.0	979690.93	2.95	-34.43	0.01	-34.87	3.98
hy14	35 43.55	97 34.05	1037.0	979696.53	-0.74	-36.11	-0.01	-36.55	2.15
hy16	35 22.64	97 34.10	1293.0	979651.93	8.54	-35.56	0.08	-36.00	3.38
hy17	35 19.92	97 33.90	1212.0	979653.93	6.79	-34.55	0.05	-34.99	4.28
hy19	35 22.64	97 38.14	1260.0	979650.73	4.24	-38.74	0.06	-39.19	0.80
hy20	35 25.22	97 38.15	1255.0	979654.73	4.09	-38.71	0.06	-39.16	0.87
hy21	35 27.89	97 38.16	1210.0	979662.53	3.87	-37.40	0.04	-37.86	2.17
hy22	35 27.90	97 41.36	1255.0	979658.63	4.18	-38.62	0.06	-39.07	1.47
hy23	35 25.24	97 40.28	1306.0	979650.43	4.56	-39.98	0.08	-40.43	-0.06
hy25	35 20.89	97 40.29	1340.0	979642.13	5.65	-40.06	0.17	-40.43	-0.17
hy26	35 17.47	97 40.26	1274.0	979643.33	5.50	-37.95	0.09	-38.38	1.70
hy27	35 17.45	97 35.05	1236.0	979644.93	3.55	-38.60	0.12	-38.98	0.35
hy30	35 22.64	97 43.42	1336.0	979642.53	3.18	-42.38	0.10	-42.82	-2.02
hy31	35 22.62	97 46.66	1260.0	979642.83	-3.64	-46.61	0.08	-47.04	-5.75
hy32	35 25.24	97 46.66	1367.0	979642.83	2.70	-43.93	0.12	-44.36	-2.99
hy33	35 27.87	97 46.66	1349.0	979650.33	4.76	-41.25	0.08	-41.71	-0.31
hy34	35 27.86	97 43.44	1296.0	979654.93	4.39	-39.81	0.06	-40.27	0.61
hy36	35 17.46	97 43.49	1292.0	979640.23	4.11	-39.96	0.08	-40.40	0.15
hy37	35 17.45	97 46.60	1307.0	979636.33	1.63	-42.95	0.07	-43.40	-2.40
hy38	35 19.52	97 46.61	1212.0	979644.43	-2.14	-43.48	0.04	-43.93	-2.80
hy40	35 22.66	97 49.88	1260.0	979641.03	-5.49	-48.47	0.07	-48.91	-7.12
hy401	35 22.66	97 47.72	1262.0	979641.03	-5.30	-48.35	0.10	-48.76	-7.30

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy41	35 22.64	97 53.02	1263.0	979637.43	-8.78	-51.86	0.03	-52.34	-10.05
hy42	35 25.24	97 53.02	1356.0	979636.33	-4.84	-51.09	0.07	-51.56	-9.16
hy43	35 27.84	97 53.02	1335.0	979643.73	-3.11	-48.64	0.05	-49.13	-6.67
hy44	35 27.87	97 49.89	1354.0	979646.63	1.53	-44.65	0.07	-45.12	-3.19
hy46	35 17.44	97 49.82	1300.0	979633.43	-1.91	-46.25	0.07	-46.70	-5.23
hy47	35 17.44	97 52.95	1331.0	979627.73	-4.69	-50.09	0.07	-50.56	-8.63
hy48	35 19.62	97 53.49	1293.0	979633.73	-5.37	-49.47	0.04	-49.95	-7.77
hy50	35 22.64	97 55.92	1284.0	979634.03	-10.21	-54.00	0.03	-54.49	-11.73
hy51	35 22.64	97 59.38	1274.0	979632.63	-12.54	-56.00	0.02	-56.49	-13.14
hy52	35 25.22	97 59.40	1358.0	979631.83	-9.12	-55.43	0.05	-55.93	-12.44
hy53	35 27.85	97 57.83	1392.0	979635.73	-5.76	-53.24	0.07	-53.73	-10.43
hy54	35 27.84	97 56.22	1397.0	979636.93	-4.08	-51.72	0.08	-52.20	-9.19
hy56	35 17.42	97 56.16	1335.0	979624.83	-7.19	-52.72	0.07	-53.19	-10.77
hy57	35 17.43	97 59.29	1406.0	979617.33	-8.02	-55.98	0.16	-56.38	-13.46
hy58	35 20.04	97 59.33	1339.0	979624.93	-10.44	-56.11	0.06	-56.58	-13.43
hy60	35 22.66	98 02.62	1290.0	979630.03	-13.67	-57.67	0.04	-58.15	-14.23
hy61	35 22.67	98 05.74	1515.0	979614.83	-3.23	-59.40	0.17	-59.83	-15.34
hy63	35 27.87	98 05.76	1371.0	979634.53	-8.97	-55.73	0.06	-56.22	-11.43
hy64	35 27.86	98 02.59	1389.0	979634.43	-7.36	-54.73	0.06	-55.23	-11.05
hy66	35 17.44	98 02.52	1433.0	979613.53	-9.30	-58.18	0.11	-58.64	-15.18
hy67	35 17.44	98 05.68	1457.0	979610.53	-10.04	-59.74	0.12	-60.20	-16.20
hy68	35 20.04	98 05.71	1408.0	979617.33	-11.55	-59.57	0.07	-60.06	-15.80
hy70	35 22.64	98 08.39	1488.0	979615.83	-9.22	-59.97	0.11	-60.45	-15.47
hy71	35 22.59	98 12.11	1523.0	979612.13	-9.56	-61.50	0.11	-62.00	-16.33
hy72	35 25.20	98 12.64	1623.0	979610.93	-5.06	-60.42	0.27	-60.79	-14.80
hy73	35 27.82	98 13.38	1415.0	979631.93	-7.36	-55.62	0.10	-56.09	-9.79
hy76	35 17.43	98 07.79	1378.0	979614.63	-13.36	-60.36	0.07	-60.84	-16.48
hy77	35 17.44	98 12.03	1512.0	979604.93	-10.47	-62.04	0.17	-62.47	-17.35
hy78	35 20.20	98 12.04	1585.0	979604.13	-8.33	-62.39	0.18	-62.83	-17.40

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy80	35 22.62	98 15.21	1587.0	979607.23	-8.48	-62.61	0.14	-63.10	-16.84
hy81	35 22.63	98 18.36	1447.0	979616.83	-12.06	-61.41	0.14	-61.85	-15.00
hy82	35 25.23	98 17.34	1677.0	979606.23	-4.73	-61.93	0.28	-62.31	-15.41
hy83	35 27.82	98 18.37	1601.0	979618.23	-3.57	-58.17	0.17	-58.63	-11.32
hy84	35 27.82	98 15.22	1406.0	979631.43	-8.71	-56.66	0.12	-57.10	-10.43
hy87	35 20.04	98 18.04	1505.0	979607.63	-12.13	-63.46	0.14	-63.91	-17.41
hy871	35 20.90	98 17.87	1558.0	979606.03	-9.97	-63.11	0.22	-63.50	-16.93
hy88	35 17.44	98 18.38	1370.0	979612.63	-16.12	-62.85	0.06	-63.34	-17.09
hy89	35 17.66	98 15.99	1345.0	979614.73	-16.69	-62.56	0.05	-63.05	-17.20
hy90	35 33.06	97 40.45	1313.0	979666.33	9.98	-34.80	0.09	-35.24	5.04
hy91	35 35.69	97 40.44	1180.0	979678.93	6.33	-33.92	0.03	-34.37	5.79
hy92	35 38.30	97 40.45	1072.0	979689.63	3.15	-33.41	0.01	-33.84	6.18
hy93	35 38.33	97 37.28	1102.0	979688.93	5.23	-32.36	-0.01	-32.82	6.68
hy94	35 33.07	97 37.30	1220.0	979672.93	7.82	-33.79	0.04	-34.24	5.53
hy95	35 30.75	97 40.10	1245.0	979666.13	6.68	-35.78	0.05	-36.24	4.06
hy97	35 33.06	97 43.68	1280.0	979667.33	7.88	-35.78	0.07	-36.22	4.59
hy981	35 38.10	97 40.42	1073.0	979689.33	3.23	-33.37	0.01	-33.80	6.22
hy991	35 40.04	97 40.44	1105.0	979689.83	3.97	-33.72	-0.01	-34.18	5.73
hy101	35 43.55	97 37.30	1096.0	979693.33	1.61	-35.77	-0.01	-36.23	2.97
hy103	35 38.31	97 43.68	1169.0	979682.33	4.96	-34.91	0.01	-35.38	5.18
hy104	35 38.31	97 46.82	1230.0	979677.03	5.39	-36.56	0.03	-37.03	4.07
hy105	35 40.93	97 46.83	1249.0	979680.33	6.74	-35.86	0.05	-36.32	4.62
hy109	35 30.47	97 46.66	1313.0	979658.03	5.37	-39.41	0.07	-39.87	1.51
hy110	35 33.08	97 46.82	1294.0	979663.53	5.37	-38.77	0.07	-39.22	2.12
hy111	35 35.67	97 46.83	1279.0	979669.23	5.97	-37.65	0.05	-38.12	3.12
hy113	35 38.29	97 50.08	1277.0	979674.43	7.24	-36.32	0.04	-36.79	4.88
h1131	35 38.30	97 48.98	1348.0	979669.33	8.81	-37.17	0.10	-37.61	3.87
hy114	35 38.32	97 53.26	1223.0	979678.93	6.62	-35.09	0.01	-35.58	6.66
hy120	35 30.49	97 53.03	1325.0	979651.63	0.08	-45.11	0.05	-45.60	-3.13

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy121	35 33.35	97 53.24	1303.0	979661.23	3.53	-40.91	0.05	-41.39	1.06
hy122	35 35.68	97 53.22	1314.0	979668.03	8.05	-36.77	0.05	-37.25	5.12
hy124	35 38.32	97 56.52	1218.0	979678.13	5.35	-36.19	0.02	-36.67	6.19
hy125	35 38.31	97 59.72	1285.0	979670.93	4.47	-39.36	0.04	-39.84	3.65
hy130	35 33.08	97 56.22	1312.0	979657.13	0.66	-44.09	0.03	-44.59	-1.59
hy131	35 30.47	97 59.41	1404.0	979640.93	-3.17	-51.05	0.07	-51.55	-7.93
hy132	35 33.07	97 59.43	1377.0	979649.93	-0.41	-47.38	0.10	-47.83	-4.22
hy133	35 35.70	97 59.65	1340.0	979659.63	2.06	-43.64	0.07	-44.11	-0.53
hy135	35 38.31	98 02.86	1429.0	979660.03	7.11	-41.63	0.12	-42.08	2.07
hy136	35 38.31	98 06.06	1356.0	979664.03	4.25	-42.00	0.04	-42.51	2.33
hy138	35 43.49	98 06.05	1224.0	979686.83	7.23	-34.51	-0.01	-35.02	9.59
hy139	35 43.49	98 02.85	1152.0	979691.33	4.96	-34.33	-0.03	-34.83	9.04
hy141	35 33.06	98 03.81	1375.0	979649.43	-1.08	-47.98	0.06	-48.47	-3.99
hy142	35 30.47	98 05.82	1482.0	979635.23	-1.53	-52.08	0.10	-52.57	-7.70
hy143	35 33.06	98 05.82	1407.0	979646.33	-1.17	-49.16	0.08	-49.65	-4.76
hy144	35 35.67	98 06.09	1372.0	979655.73	1.22	-45.58	0.05	-46.08	-1.16
hy146	35 38.30	98 09.23	1378.0	979662.53	4.83	-42.17	0.06	-42.66	2.90
hy147	35 38.19	98 12.72	1422.0	979659.73	6.33	-42.18	0.06	-42.68	3.69
hy148	35 40.91	98 12.41	1408.0	979667.63	9.03	-39.00	0.04	-39.52	6.72
hy149	35 43.51	98 12.41	1422.0	979673.83	12.83	-35.67	0.08	-36.16	10.00
hy152	35 33.07	98 09.23	1560.0	979636.13	3.00	-50.21	0.21	-50.61	-5.00
hy153	35 30.47	98 12.15	1432.0	979637.13	-4.34	-53.18	0.07	-53.68	-7.51
hy154	35 33.07	98 12.14	1473.0	979641.63	0.32	-49.92	0.07	-50.44	-4.21
hy155	35 35.70	98 12.38	1518.0	979645.83	5.00	-46.77	0.11	-47.27	-0.96
hy157	35 38.30	98 15.59	1456.0	979657.03	6.67	-42.99	0.06	-43.51	3.54
hy158	35 38.29	98 18.76	1496.0	979654.43	7.84	-43.19	0.06	-43.72	4.09
hy160	35 43.94	98 18.76	1436.0	979673.13	12.83	-36.15	0.05	-36.67	11.12
hy163	35 33.08	98 15.58	1468.0	979641.73	-0.07	-50.14	0.07	-50.65	-3.67
hy164	35 30.53	98 18.36	1478.0	979632.83	-4.40	-54.81	0.07	-55.32	-7.85



Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy165	35 33.11	98 18.35	1384.0	979646.33	-3.41	-50.61	0.05	-51.12	-3.53
hy166	35 35.30	98 18.78	1576.0	979641.43	6.62	-47.13	0.23	-47.52	0.24
hy169	35 38.23	97 05.26	885.0	979697.23	-6.74	-36.93	-0.02	-37.32	-2.72
hy170	35 38.24	97 02.07	964.0	979691.33	-5.22	-38.10	0.01	-38.49	-4.38
hy171	35 40.84	97 02.04	878.0	979700.83	-7.52	-37.47	-0.04	-37.87	-3.84
hy172	35 42.59	97 02.04	886.0	979701.53	-8.57	-38.79	-0.03	-39.19	-5.20
hy173	35 43.44	97 05.20	1010.0	979695.73	-3.92	-38.37	0.10	-38.68	-4.24
hy174	35 43.44	97 08.46	960.0	979698.83	-5.52	-38.26	0.01	-38.65	-3.73
hy175	35 40.85	97 08.46	927.0	979697.63	-6.13	-37.75	-0.02	-38.15	-3.15
hy177	35 38.27	97 11.69	1025.0	979688.83	-2.03	-36.99	0.08	-37.33	-1.74
h1771	35 35.62	97 08.47	984.0	979689.63	-1.31	-34.87	0.00	-35.28	-0.08
hy178	35 38.28	97 14.89	1005.0	979690.73	-2.03	-36.31	0.01	-36.71	-0.62
h1781	35 33.03	97 08.46	1120.0	979678.93	4.48	-33.72	0.12	-34.06	1.25
hy179	35 40.88	97 14.88	949.0	979697.23	-4.50	-36.87	-0.01	-37.28	-1.30
h1791	35 33.02	97 05.25	1053.0	979682.63	1.89	-34.03	0.06	-34.40	0.40
hy180	35 43.45	97 14.90	993.0	979697.13	-4.13	-38.00	0.00	-38.41	-2.53
h1801	35 33.02	97 02.06	1042.0	979683.83	2.05	-33.49	0.07	-33.85	0.45
hy181	35 43.46	97 11.71	942.0	979700.33	-5.74	-37.87	-0.01	-38.27	-2.87
h1811	35 35.62	97 02.07	1015.0	979686.83	-1.19	-35.81	0.03	-36.20	-1.99
hy183	35 35.64	97 14.91	1094.0	979682.63	2.01	-35.30	0.05	-35.70	0.51
hy184	35 33.04	97 14.83	1108.0	979678.23	2.64	-35.15	0.04	-35.57	0.74
hy185	35 33.02	97 11.70	1115.0	979677.83	2.92	-35.11	0.09	-35.48	0.34
hy186	35 38.28	97 21.27	1073.0	979684.83	-1.53	-38.13	0.07	-38.50	-1.43
hy188	35 38.28	97 18.05	1015.0	979689.73	-2.09	-36.71	0.00	-37.13	-0.55
hy190	35 40.89	97 21.26	1079.0	979687.43	-2.09	-38.89	0.03	-39.30	-2.35
hy191	35 43.49	97 21.27	1122.0	979688.73	-0.46	-38.73	0.04	-39.15	-2.31
hy192	35 43.48	97 18.05	1168.0	979684.93	0.08	-39.76	0.09	-40.14	-3.78
hy194	35 35.65	97 21.29	1132.0	979678.23	1.17	-37.44	0.03	-37.88	-0.68
hy195	35 33.06	97 21.27	1175.0	979673.43	4.11	-35.97	0.05	-36.40	0.90

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy196	35 33.06	97 18.03	1183.0	979673.13	4.56	-35.79	0.08	-36.19	0.62
hy197	35 38.29	97 27.65	1107.0	979685.33	2.15	-35.61	0.03	-36.03	2.00
hy199	35 38.29	97 24.31	1065.0	979684.83	-2.30	-38.62	0.02	-39.04	-1.51
hy201	35 40.87	97 27.62	1120.0	979688.43	2.79	-35.41	0.02	-35.84	2.05
hy202	35 43.51	97 27.63	1131.0	979690.23	1.86	-36.71	0.02	-37.16	0.60
hy203	35 43.51	97 24.41	1083.0	979691.03	-1.85	-38.79	0.04	-39.20	-1.91
hy205	35 35.65	97 27.67	1125.0	979680.93	3.21	-35.16	0.02	-35.60	2.56
hy206	35 33.06	97 27.67	1074.0	979681.53	2.71	-33.92	0.03	-34.33	3.94
hy207	35 33.05	97 24.43	1141.0	979676.43	3.93	-34.99	0.07	-35.39	2.39
hy210	35 38.31	97 30.81	1125.0	979685.63	4.12	-34.25	0.01	-34.70	3.80
hy212	35 43.52	97 30.83	1065.0	979694.33	-0.26	-36.59	0.00	-37.02	1.20
h2121	35 33.04	97 30.70	1163.0	979675.93	5.51	-34.16	0.04	-34.59	4.15
hy213	35 53.01	97 08.49	1010.0	979711.03	-2.30	-36.75	0.02	-37.14	-2.40
hy214	35 53.04	97 05.35	961.0	979714.83	-3.15	-35.93	0.00	-36.33	-2.02
hy215	35 53.04	97 02.07	981.0	979716.53	0.43	-33.03	0.00	-33.44	0.42
hy216	35 55.74	97 02.03	942.0	979719.43	-4.21	-36.34	0.04	-36.69	-2.84
hy217	35 58.24	97 02.01	880.0	979726.03	-7.02	-37.03	-0.04	-37.44	-3.59
h2172	35 58.25	97 03.02	881.0	979726.23	-6.74	-36.79	-0.04	-37.19	-3.20
hy218	35 59.11	97 05.28	888.0	979726.13	-7.41	-37.69	-0.03	-38.09	-3.79
hy219	35 58.24	97 08.42	859.0	979726.93	-8.09	-37.39	-0.05	-37.80	-3.08
hy220	35 55.63	97 08.42	892.0	979722.73	-5.45	-35.87	-0.04	-36.28	-1.57
hy222	35 50.38	97 08.45	981.0	979709.53	-2.77	-36.23	-0.01	-36.64	-1.87
hy223	35 47.79	97 08.46	916.0	979709.43	-5.28	-36.52	-0.02	-36.92	-2.11
hy224	35 45.18	97 08.45	909.0	979705.13	-6.51	-37.51	-0.02	-37.91	-3.04
hy225	35 45.17	97 02.06	895.0	979704.83	-8.11	-38.64	-0.02	-39.03	-5.09
hy226	35 47.80	97 05.32	1012.0	979702.53	-3.16	-37.68	0.02	-38.08	-3.71
hy227	35 47.80	97 02.08	966.0	979704.93	-5.09	-38.04	0.01	-38.43	-4.52
hy228	35 50.41	97 02.05	1014.0	979705.93	-3.30	-37.89	0.02	-38.28	-4.40
hy234	35 58.68	97 14.87	879.0	979724.23	-9.54	-39.52	-0.01	-39.89	-4.29

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy235	35 58.24	97 11.61	942.0	979720.53	-6.69	-38.81	-0.02	-39.23	-4.08
hy237	35 50.43	97 14.81	974.0	979706.83	-6.19	-39.41	-0.01	-39.83	-4.16
hy239	35 47.83	97 11.60	1043.0	979698.93	-3.89	-39.46	0.03	-39.86	-4.59
hy240	35 45.23	97 14.82	1093.0	979693.43	-0.97	-38.25	0.06	-38.64	-2.82
hy241	35 53.08	97 21.29	1041.0	979705.33	-5.18	-40.69	0.05	-41.07	-4.55
hy243	35 53.07	97 17.45	1144.0	979699.03	-1.78	-40.80	0.09	-41.18	-5.19
hy245	35 55.64	97 21.30	1104.0	979703.73	-4.52	-42.18	0.04	-42.59	-6.10
hy247	35 58.25	97 18.03	929.0	979718.63	-9.82	-41.51	-0.03	-41.93	-5.90
hy249	35 50.47	97 21.30	1160.0	979694.23	-1.36	-40.92	0.08	-41.31	-4.72
hy250	35 47.85	97 21.29	1149.0	979691.43	-1.45	-40.64	0.06	-41.05	-4.38
hy251	35 47.84	97 18.02	1226.0	979686.03	0.41	-41.41	0.15	-41.76	-5.55
hy252	35 45.25	97 21.28	1132.0	979688.93	-1.83	-40.44	0.10	-40.80	-4.04
hy255	35 53.11	97 24.46	956.0	979711.03	-7.52	-40.13	-0.03	-40.56	-3.61
hy256	35 53.08	97 27.62	1025.0	979706.13	-5.89	-40.85	0.06	-41.21	-3.82
hy257	35 55.66	97 27.70	1040.0	979707.83	-6.47	-41.94	0.01	-42.36	-5.01
hy258	35 58.22	97 27.70	934.0	979717.83	-10.11	-41.96	-0.02	-42.37	-5.03
hy259	35 58.23	97 25.57	918.0	979719.33	-10.13	-41.44	-0.04	-41.86	-4.81
h2591	35 59.05	97 25.53	904.0	979722.23	-9.72	-40.55	-0.05	-40.97	-3.93
hy261	35 50.49	97 27.62	1003.0	979704.73	-5.66	-39.86	-0.03	-40.31	-2.85
hy262	35 47.92	97 27.63	1002.0	979702.43	-4.38	-38.55	-0.03	-39.00	-1.45
h2621	35 48.76	97 27.64	1026.0	979702.63	-3.12	-38.11	0.03	-38.50	-0.98
hy263	35 47.88	97 24.39	1122.0	979694.23	-1.23	-39.49	0.11	-39.84	-2.73
hy264	35 45.26	97 27.61	1103.0	979692.83	-0.67	-38.29	0.03	-38.72	-1.05
hy265	35 53.14	97 34.02	1001.0	979707.93	-6.43	-40.57	-0.02	-41.01	-2.72
hy267	35 53.13	97 30.82	1005.0	979707.43	-6.54	-40.82	-0.01	-41.24	-3.41
hy269	35 55.65	97 34.10	1098.0	979705.03	-3.80	-41.25	0.01	-41.69	-3.43
hy270	35 58.25	97 34.10	1025.0	979712.83	-6.59	-41.55	0.03	-41.95	-3.71
hy271	35 58.25	97 30.87	1047.0	979711.33	-6.02	-41.73	-0.01	-42.18	-4.40
hy273	35 50.52	97 34.03	1067.0	979699.73	-4.68	-41.07	-0.02	-41.53	-3.16

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hy274	35 47.91	97 34.03	1021.0	979699.33	-5.67	-40.50	-0.03	-40.95	-2.47
hy276	35 45.30	97 34.03	995.0	979698.43	-5.28	-39.22	-0.03	-39.66	-1.06
hy277	35 53.13	97 40.59	1017.0	979711.13	-1.71	-36.40	-0.03	-36.85	2.42
hy279	35 53.14	97 37.32	989.0	979709.33	-6.16	-39.89	-0.04	-40.34	-1.57
hy281	35 55.64	97 40.53	1084.0	979709.43	-0.70	-37.68	-0.02	-38.14	1.07
hy282	35 58.24	97 40.53	1162.0	979707.23	0.71	-38.93	0.01	-39.39	-0.20
hy283	35 58.25	97 37.38	1138.0	979705.53	-3.27	-42.08	0.01	-42.54	-3.82
hy285	35 50.53	97 40.45	1015.0	979707.83	-1.48	-36.10	-0.02	-36.54	2.80
hy286	35 47.90	97 40.44	1121.0	979699.33	3.75	-34.49	0.00	-34.95	4.51
hy287	35 47.90	97 37.30	1066.0	979702.73	1.98	-34.38	-0.03	-34.85	4.12
hy288	35 45.30	97 40.44	1056.0	979702.33	4.35	-31.66	-0.03	-32.13	7.47
hy291	35 53.12	97 43.84	970.0	979721.03	3.78	-29.31	-0.07	-29.78	10.00
hy292	35 52.24	97 46.79	1070.0	979710.83	4.25	-32.25	-0.02	-32.71	7.59
hy294	35 58.22	97 46.94	1094.0	979715.53	2.64	-34.67	-0.02	-35.14	5.07
hy295	35 58.21	97 43.72	1080.0	979714.33	0.14	-36.70	-0.01	-37.15	2.54
hy297	35 50.49	97 46.84	1093.0	979710.73	8.81	-28.47	0.00	-28.92	11.46
hy298	35 47.88	97 46.82	1113.0	979704.73	8.43	-29.54	-0.02	-30.01	10.50
hy299	35 47.89	97 43.73	1093.0	979704.93	6.73	-30.55	-0.02	-31.02	8.97
hy300	35 45.28	97 46.82	1164.0	979696.63	8.83	-30.87	0.00	-31.34	9.32
hy301	35 57.58	97 23.63	904.0	979722.23	-7.61	-38.45	0.08	-38.74	-1.96
a26	34 46.96	98 32.69	1395.0	979624.37	41.12	-6.46	0.12	-6.89	37.74
a31	34 46.96	98 33.74	1440.0	979625.14	46.12	-2.99	0.18	-3.39	41.42
d14	34 46.96	98 28.48	1401.9	979613.82	31.22	-16.59	0.10	-17.05	26.86
e10	34 46.09	98 28.48	1331.0	979620.47	32.44	-12.96	0.07	-13.42	30.33
e25	34 45.22	98 26.37	1253.9	979621.29	27.24	-15.53	0.03	-16.01	27.21
e35	34 45.22	98 24.26	1191.9	979618.16	18.27	-22.38	0.01	-22.85	20.01
e58	34 46.09	98 26.37	1267.1	979616.05	22.00	-21.21	0.07	-21.65	21.74
f7	34 51.31	98 24.26	1319.9	979602.69	6.24	-38.78	0.06	-39.25	4.63
f8	34 51.31	98 25.32	1346.8	979604.84	10.92	-35.02	0.06	-35.50	8.56

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
f9	34 51.31	98 26.37	1397.0	979605.27	16.07	-31.58	0.09	-32.05	12.20
f10	34 51.31	98 27.43	1444.9	979605.68	20.98	-28.30	0.15	-28.72	15.71
f11	34 49.57	98 27.43	1448.8	979607.27	25.40	-24.01	0.16	-24.43	19.74
f12	34 50.00	98 28.48	1509.8	979604.99	28.25	-23.24	0.21	-23.63	20.79
f14	34 50.44	98 27.43	1485.9	979604.16	24.55	-26.13	0.19	-26.53	17.77
f15	34 50.44	98 24.26	1303.8	979605.11	8.37	-36.10	0.04	-36.58	7.17
f16	34 50.44	98 25.32	1374.0	979605.15	15.02	-31.85	0.08	-32.32	11.61
f17	34 50.44	98 26.37	1421.9	979605.14	19.51	-28.99	0.11	-29.45	14.66
f18	34 49.57	98 25.32	1334.0	979609.02	16.36	-29.14	0.07	-29.61	14.19
f21	34 48.70	98 25.32	1367.8	979608.78	20.52	-26.13	0.09	-26.59	17.07
f23	34 47.83	98 25.32	1337.9	979611.25	21.41	-24.22	0.07	-24.69	18.82
f25	34 46.96	98 24.26	1259.8	979613.15	17.19	-25.78	0.05	-26.24	16.94
g1	34 46.96	98 23.19	1274.9	979608.61	14.07	-29.41	0.07	-29.86	13.14
g3	34 46.09	98 22.93	1172.9	979614.98	12.08	-27.93	0.01	-28.39	14.42
g5	34 44.35	98 23.63	1147.0	979620.54	17.65	-21.47	0.00	-21.94	20.66
g7	34 44.35	98 25.32	1236.9	979621.77	27.34	-14.85	0.03	-15.32	27.55
g8	34 44.35	98 26.37	1258.9	979622.90	30.54	-12.40	0.03	-12.88	30.17
g9	34 44.35	98 27.43	1268.0	979624.21	32.71	-10.54	0.04	-11.01	32.22
g10	34 44.35	98 28.48	1329.1	979620.61	34.85	-10.48	0.09	-10.93	32.48
g11	34 45.22	98 28.48	1344.8	979620.33	34.82	-11.04	0.07	-11.51	32.07
h5	34 47.83	98 36.67	1629.9	979618.12	55.74	0.15	0.23	-0.26	45.19
h7	34 49.57	98 37.96	1716.9	979611.33	54.67	-3.88	0.23	-4.32	41.63
I3	34 49.91	98 32.03	1546.9	979607.76	34.64	-18.12	0.38	-18.36	26.66
I6	34 52.96	98 32.96	1633.9	979605.01	35.76	-19.97	0.21	-20.40	25.22

Table 5.- Principal facts for 156 gravity stations in southern Kansas established by the USGS.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
bks1	37 56.39	101 15.22	3001.1	979681.10	-23.49	-125.85	-0.03	-126.92	-22.86
bkw11	37 16.02	97 22.88	1222.9	979811.41	-1.58	-43.29	-0.01	-43.79	-0.72
ks2	37 51.71	101 16.57	3048.0	979673.58	-19.76	-123.72	-0.02	-124.80	-20.64
ks3	37 49.12	101 19.65	3063.0	979670.91	-17.24	-121.71	-0.03	-122.80	-17.78
ks4	37 45.50	101 21.81	3060.0	979662.27	-20.88	-125.25	-0.04	-126.35	-20.84
ks5	37 41.15	101 21.81	3049.0	979656.31	-21.53	-125.52	-0.04	-126.62	-21.37
ks6	37 36.77	101 21.79	3065.0	979655.28	-14.68	-119.21	-0.03	-120.30	-15.27
ks7	37 31.96	101 21.76	3023.0	979657.51	-9.39	-112.49	-0.04	-113.58	-8.75
ks8	37 27.62	101 21.70	3096.0	979644.96	-8.76	-114.35	-0.02	-115.44	-10.77
ks9	37 23.29	101 20.35	3076.1	979637.55	-11.74	-116.66	-0.01	-117.73	-13.64
ks10	37 18.92	101 20.33	3115.0	979621.01	-18.27	-124.52	0.00	-125.59	-21.62
ks11	37 14.57	101 20.32	3132.1	979613.06	-18.30	-125.12	0.01	-126.19	-22.33
ks12	3709.32	101 20.31	3125.0	979605.11	-19.29	-125.88	0.01	-126.94	-23.23
ks13	37 11.07	101 15.98	3064.0	979614.87	-17.81	-122.31	-0.01	-123.38	-21.19
ks14	37 16.30	101 15.98	3076.0	979621.83	-17.31	-122.22	0.00	-123.28	-20.92
ks15	37 19.77	101 12.73	3054.0	979628.56	-17.69	-121.86	0.01	-122.90	-21.55
ks16	37 21.52	101 07.31	3008.0	979634.08	-19.04	-121.63	0.02	-122.66	-23.05
ks17	37 25.02	101 00.47	2950.0	979647.11	-16.55	-117.17	0.01	-118.19	-20.57
ks18	37 28.07	100 54.42	2946.0	979651.17	-17.30	-117.78	0.04	-118.77	-22.70
ks19	37 30.63	100 44.84	2867.2	979665.10	-14.51	-112.30	0.03	-113.28	-19.72
ks20	37 32.35	100 38.65	2833.0	979676.15	-9.18	-105.81	0.05	-106.76	-14.80
ks21	37 33.73	100 33.20	2704.0	979689.28	-10.19	-102.41	0.02	-103.36	-12.81
ks22	37 35.71	100 27.47	2785.7	979685.79	-8.88	-103.89	0.07	-104.81	-15.70
ks23	37 37.47	100 21.24	2787.6	979688.11	-8.94	-104.02	0.10	-104.91	-17.38
ks24	37 32.42	100 20.40	2711.0	979687.33	-9.57	-102.04	0.09	-102.92	-16.00
ks25	37 27.61	100 20.56	2651.0	979685.79	-9.76	-100.17	0.05	-101.08	-14.59
ks26	37 23.23	100 20.60	2624.0	979683.79	-7.92	-97.41	0.07	-98.29	-12.30
ks27	37 18.00	100 20.10	2484.0	979686.68	-10.59	-95.31	0.00	-96.22	-11.05
ks28	37 12.27	100 20.64	2517.0	979678.37	-7.48	-93.33	0.03	-94.22	-9.60

Table 5.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ks29	37 07.96	100 20.64	2477.0	979673.01	-10.35	-94.83	0.02	-95.71	-11.56
ks30	37 16.56	97 17.67	1223.0	979813.21	-5.56	-42.27	0.00	-42.77	-0.16
ks31	37 16.51	97 11.20	1181.0	979812.26	-5.38	-45.66	-0.01	-46.15	-4.13
ks32	37 14.38	97 00.31	1124.9	979803.93	-15.90	-54.27	-0.01	-54.74	-13.77
ks33	37 14.70	97 05.72	1178.5	979805.20	-10.05	-50.24	0.00	-50.72	-9.36
ks34	37 19.94	97 06.87	1208.0	979813.60	-6.48	-47.68	0.00	-48.18	-6.05
ks35	37 23.40	97 00.88	1161.0	979819.99	-9.55	-49.14	-0.01	-49.63	-7.45
ks36	37 25.16	97 07.92	1302.0	979817.88	-9.96	-45.36	0.05	-45.84	-2.96
ks37	37 30.28	97 08.11	1284.0	979828.18	.20	-43.59	0.02	-44.09	-0.55
ks38	37 35.54	97 08.09	1299.0	979833.04	-1.18	-45.49	0.02	-45.99	-1.81
ks39	37 40.34	97 08.09	1319.0	979837.03	-2.31	-47.30	0.02	-47.81	-3.08
ks40	37 35.51	97 30.95	1364.0	979814.97	-13.10	-59.62	0.01	-60.16	-13.51
ks41	37 32.00	97 35.29	1317.1	979808.95	-18.42	-63.34	-0.02	-63.89	-17.07
ks42	37 28.48	97 40.18	1367.0	979797.89	-19.66	-66.29	0.00	-66.84	-19.74
ks43	37 27.55	97 46.20	1467.0	979790.80	-16.00	-66.03	0.04	-66.58	-18.61
ks44	37 27.53	97 52.27	1492.0	979790.50	-13.91	-64.80	0.04	-65.36	-16.31
ks45	37 27.53	97 58.29	1432.0	979796.93	-13.13	-61.97	0.00	-62.54	-12.33
ks46	37 27.45	98 04.87	1461.0	979790.59	-16.62	-66.45	0.00	-67.04	-15.47
ks47	37 26.66	98 10.88	1500.0	979786.51	-15.89	-67.05	0.01	-67.63	-14.88
ks48	37 26.54	98 16.90	1663.0	979770.57	-16.32	-73.04	0.06	-73.63	-19.55
ks49	37 26.55	98 23.48	1752.0	979760.40	-18.13	-77.89	0.08	-78.49	-22.91
ks50	37 28.26	98 28.96	1810.0	979755.95	-19.62	-81.36	0.08	-81.98	-24.85
ks51	37 29.99	98 34.44	1863.0	979756.80	-16.30	-79.85	0.09	-80.47	-21.77
ks52	37 29.97	98 39.90	1906.0	979755.59	-13.44	-78.45	0.10	-79.08	-19.04
ks53	37 29.98	98 44.31	1927.0	979756.15	-10.92	-76.64	0.09	-77.29	-16.15
ks54	37 33.48	98 44.35	1950.0	979762.89	-7.11	-73.62	0.09	-74.27	-12.64
KS55	37 16.28	97 35.07	1267.0	979798.04	-11.18	-54.40	-0.01	-54.92	-10.32
KS56	37 16.26	97 38.26	1241.2	979797.34	-14.28	-56.61	-0.02	-57.13	-12.09
KS57	37 16.25	97 41.50	1247.0	979794.01	-17.05	-59.58	-0.03	-60.11	-14.60

Table 5.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
KS58	37 16.25	97 44.82	1257.0	979789.15	-20.97	-63.84	-0.04	-64.39	-18.36
KS59	37 17.07	97 47.67	1278.0	979786.89	-22.45	-66.04	-0.03	-66.58	-19.96
KS60	37 17.07	97 51.46	1315.0	979785.09	-20.77	-65.62	-0.02	-66.17	-18.89
KS61	37 17.03	97 54.74	1360.0	979783.72	-17.84	-64.23	-0.01	-64.78	-16.92
KS62	37 17.00	97 58.00	1383.0	979783.86	-15.50	-62.67	-0.01	-63.23	-14.77
KS63	37 17.20	98 01.54	1418.2	979781.42	-14.92	-63.29	0.00	-63.86	-14.69
KS64	37 12.59	98 02.32	1389.0	979779.40	-12.99	-60.36	-0.01	-60.93	-12.44
KS65	37 08.25	98 02.36	1303.2	979782.25	-11.91	-56.36	-0.04	-56.92	-9.21
KS66	37 03.92	98 02.26	1398.0	979774.82	-4.15	-51.83	0.02	-52.37	-5.41
KS67	37 20.45	98 03.47	1538.0	979777.88	-11.91	-64.37	0.05	-64.93	-14.78
KS68	37 23.96	98 04.81	1593.0	979778.22	-11.50	-65.83	0.07	-66.39	-15.37
KS69	37 30.99	98 04.84	1591.0	979784.69	-15.44	-69.71	0.05	-70.29	-18.23
KS70	37 34.52	98 05.93	1587.0	979787.07	-18.58	-72.71	0.03	-73.31	-20.58
KS71	37 44.90	97 56.16	1530.0	979827.07	.92	-51.26	0.02	-51.85	-0.06
KS72	37 40.55	97 56.15	1449.0	979820.01	-7.41	-56.83	-0.01	-57.42	-6.05
KS73	37 37.11	97 56.12	1535.0	979807.07	-7.25	-59.60	0.05	-60.16	-9.16
KS74	37 37.13	97 51.73	1405.0	979815.05	-11.52	-59.44	-0.02	-60.03	-9.87
KS75	37 37.11	97 48.46	1391.0	979812.71	-15.15	-62.59	-0.01	-63.16	-13.59
KS76	37 37.13	97 45.19	1342.0	979813.36	-19.14	-64.91	-0.03	-65.48	-16.48
KS77	37 37.16	97 41.85	1415.0	979806.93	-18.75	-67.01	0.01	-67.57	-19.11
KS78	37 37.18	97 37.63	1380.0	979808.88	-20.12	-67.18	0.00	-67.74	-19.93
KS79	37 37.26	97 34.28	1426.0	979807.20	-17.59	-66.22	0.03	-66.76	-19.44
KS80	37 39.89	97 11.35	1311.0	979836.44	-3.00	-47.71	0.01	-48.23	-3.27
KS81	37 39.89	97 04.80	1304.0	979837.40	-2.70	-47.17	0.02	-47.68	-3.27
KS82	37 39.90	97 00.46	1246.0	979840.09	-5.48	-47.97	0.00	-48.48	-4.39
KS83	37 43.82	97 08.09	1358.0	979839.36	-1.38	-47.70	0.03	-48.22	-3.12
KS84	37 47.77	97 08.11	1339.0	979843.47	-4.83	-50.50	0.02	-51.01	-5.52
KS85	37 51.26	97 08.01	1309.0	979846.65	-9.56	-54.21	0.00	-54.74	-8.93
KS86	37 52.14	97 04.70	1316.9	979846.03	-10.73	-55.64	0.01	-56.16	-10.56



Table 5.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
KS87	37 52.00	97 00.31	1335.2	979843.79	-11.04	-56.58	0.03	-57.08	-11.86
KS88	37 55.64	97 08.04	1345.0	979847.82	-11.40	-57.28	0.01	-57.81	-11.61
KS89	37 59.14	97 08.05	1392.0	979849.25	-10.67	-58.15	0.03	-58.68	-12.21
KS90	37 55.60	97 12.45	1369.0	979843.69	-13.22	-59.92	0.02	-60.45	-13.83
KS91	37 52.15	97 12.41	1400.0	979841.12	-7.83	-55.58	0.04	-56.10	-9.79
KS92	37 52.11	97 15.81	1414.0	979839.15	-8.43	-56.66	0.03	-57.19	-10.55
KS93	37 52.10	97 19.04	1439.0	979835.45	-9.76	-58.84	0.04	-59.38	-12.40
KS94	37 52.12	97 23.40	1361.0	979835.25	-17.33	-63.75	0.00	-64.30	-16.85
KS95	37 49.51	97 21.23	1344.0	979837.95	-12.42	-58.26	0.00	-58.80	-11.84
KS96	37 20.85	97 23.08	1306.0	979811.02	-1.18	-45.72	0.02	-46.23	-2.47
KS97	37 24.38	97 19.75	1212.0	979822.72	-3.44	-44.78	-0.02	-45.29	-1.43
KS98	37 27.86	97 19.91	1250.0	979824.12	-3.53	-46.16	-0.01	-46.68	-2.35
KS99	37 31.68	97 20.02	1248.0	979828.75	-4.65	-47.22	-0.02	-47.74	-2.89
KS100	37 46.83	97 28.85	1358.0	979827.72	-17.41	-63.73	-0.01	-64.29	-16.68
KS101	37 48.53	97 31.10	1380.0	979828.00	-17.55	-64.62	0.00	-65.17	-17.10
KS102	37 49.52	97 34.42	1407.0	979828.21	-16.25	-64.24	0.00	-64.80	-16.19
KS103	37 51.26	97 36.61	1415.0	979831.77	-14.47	-62.73	0.00	-63.30	-14.22
KS104	37 51.25	97 39.90	1444.0	979832.18	-11.32	-60.57	0.01	-61.14	-11.57
KS105	37 53.01	97 42.10	1446.0	979838.24	-7.64	-56.96	0.00	-57.54	-7.49
KS106	37 53.86	97 45.36	1464.0	979844.66	-7.77	-50.70	0.00	-51.29	-0.66
KS107	37 54.73	97 48.69	1505.0	979848.53	5.68	-45.65	0.01	-46.24	5.01
KS108	37 56.47	97 51.98	1534.0	979851.87	9.21	-43.11	0.01	-43.71	8.23
KS109	38 15.63	98 12.10	1657.0	979852.34	-6.80	-63.31	0.01	-63.95	-7.47
KS110	38 20.86	98 12.18	1699.0	979856.39	-6.47	-64.41	0.03	-65.05	-8.50
KS111	38 21.09	98 16.52	1710.7	979861.62	-4.47	-58.82	0.02	-59.47	-2.07
KS112	38 21.12	98 22.14	1731.4	979866.56	6.37	-52.68	0.02	-53.33	5.18
KS113	38 20.85	98 27.68	1793.0	979867.58	13.58	-47.58	0.03	-48.24	11.38
KS114	38 20.85	98 34.33	1783.0	979872.18	17.24	-43.58	0.01	-44.26	16.72
KS115	38 21.88	98 39.82	1819.0	979874.85	21.78	-40.26	0.01	-40.95	21.17

Table 5.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
KS116	38 21.94	98 44.22	1845.0	979870.62	19.92	-43.01	0.02	-43.70	19.34
KS117	37 58.66	98 05.22	1610.0	979824.81	-13.91	-68.82	0.02	-69.43	-14.87
KS118	37 58.33	98 10.70	1640.0	979818.28	-17.13	-73.07	0.02	-73.69	-18.04
KS119	37 58.20	98 14.55	1661.0	979817.62	-15.63	-72.28	0.02	-72.91	-16.46
KS120	37 58.22	98 18.41	1684.0	979819.46	-11.66	-69.10	0.02	-69.73	-12.45
KS121	37 57.97	98 22.83	1716.0	979821.85	-5.89	-64.42	0.03	-65.06	-6.82
KS122	37 57.11	98 27.77	1783.0	979821.96	1.78	-59.03	0.04	-59.69	-0.37
KS123	37 57.31	98 31.61	1823.0	979820.70	3.99	-58.19	0.05	-58.84	1.35
KS124	37 57.30	98 36.55	1867.0	979818.85	6.28	-57.39	0.05	-58.06	3.28
KS125	37 57.33	98 40.37	1892.0	979815.99	5.74	-58.79	0.05	-59.47	2.76
KS126	37 57.36	98 44.79	1920.0	979812.06	4.39	-61.09	0.05	-61.78	1.48
KS127	37 53.88	98 44.80	1947.0	979805.55	5.51	-60.90	0.06	-61.58	1.62
KS128	37 50.38	98 44.82	1928.0	979797.78	1.06	-64.70	0.05	-65.39	-2.30
KS129	37 46.64	98 44.34	1927.0	979789.41	-1.94	-67.67	0.06	-68.34	-5.54
KS130	37 42.69	98 44.33	1948.0	979778.91	-4.70	-71.14	0.07	-71.82	-9.27
KS131	37 26.73	98 41.04	1865.0	979751.38	-16.79	-80.40	0.17	-80.95	-21.15
KS132	37 24.43	98 38.28	1694.0	979760.19	-20.72	-78.50	0.02	-79.14	-20.43
KS133	37 22.61	98 35.57	1608.0	979764.85	-21.50	-76.34	0.04	-76.94	-19.23
KS134	37 19.24	98 35.07	1589.0	979763.62	-19.62	-73.81	0.01	-74.43	-17.49
KS135	37 16.52	98 36.26	1467.0	979766.43	-24.33	-74.36	-0.04	-74.99	-18.30
KS136	37 15.23	98 31.92	1490.0	979766.60	-20.13	-70.95	-0.03	-71.57	-16.21
KS137	37 15.20	98 27.55	1489.0	979769.61	-17.16	-67.95	-0.02	-68.56	-14.24
KS138	37 15.22	98 23.02	1463.0	979772.34	-16.91	-66.81	-0.02	-67.41	-14.12
KS139	37 14.34	98 18.72	1407.0	979776.74	-16.50	-64.48	-0.03	-65.08	-12.92
KS140	37 14.40	98 14.27	1443.0	979776.66	-13.27	-62.49	-0.01	-63.08	-11.85
KS141	37 14.34	98 09.94	1403.0	979780.10	-13.51	-61.36	-0.02	-61.95	-11.62
KS142	37 14.32	98 06.69	1409.0	979779.55	-13.47	-61.52	-0.01	-62.10	-12.43
KS143	37 12.13	97 24.12	1254.0	979805.55	1.13	-41.64	0.01	-42.14	0.53
KS144	37 08.65	97 24.12	1208.0	979802.41	-1.28	-42.48	-0.01	-42.98	-0.81

Table 5.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
KS145	37 04.28	97 24.06	1126.0	979796.14	-8.93	-47.33	-0.03	-47.82	-6.27
KS146	38 30.11	98 32.12	1796.0	979885.39	18.08	-43.17	0.02	-43.85	16.41
KS147	38 34.79	98 32.10	1833.0	979889.14	18.44	-44.08	0.04	-44.75	15.52
KS148	38 37.41	98 34.31	1907.0	979890.52	22.92	-42.12	0.07	-42.78	17.82
KS149	38 38.27	98 38.71	1913.0	979891.42	23.12	-42.12	0.05	-42.81	18.63
KS150	38 41.81	98 40.27	1863.0	979899.02	20.82	-42.72	0.04	-43.40	18.14
KS151	38 45.29	98 41.34	1869.0	979901.03	18.27	-45.47	0.05	-46.14	15.38
KS152	38 48.77	98 42.39	1712.0	979912.05	9.41	-48.99	-0.03	-49.68	11.81
KS153	38 52.26	98 42.38	1869.0	979904.96	11.95	-51.80	0.05	-52.47	8.79
KS154	37 16.41	97 27.44	1265.0	979806.66	-2.94	-46.08	0.00	-46.60	-2.95
KS155	37 16.33	97 30.88	1238.0	979804.82	-7.20	-49.43	-0.02	-49.95	-5.89

Table 6.- Principal facts for 447 gravity stations established by the USGS along five profiles across the Meers Fault, Oklahoma

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf1	34 47.89	98 29.54	1446.9	979610.60	30.92	-18.43	0.14	-18.86	25.54
mf2	34 47.87	98 29.54	1445.0	979610.79	30.97	-18.32	0.12	-18.78	25.61
mf3	34 47.83	98 29.54	1444.1	979611.10	31.24	-18.01	0.12	-18.47	25.92
mf4	34 47.80	98 29.54	1437.0	979611.47	30.99	-18.02	0.12	-18.47	25.91
mf5	34 47.77	98 29.54	1435.7	979611.61	31.05	-17.92	0.12	-18.37	26.00
mf6	34 47.74	98 29.54	1435.5	979611.73	31.20	-17.76	0.12	-18.22	26.15
mf7	34 47.71	98 29.54	1435.9	979611.78	31.32	-17.65	0.12	-18.10	26.26
mf8	34 47.68	98 29.54	1437.7	979611.79	31.54	-17.49	0.12	-17.95	26.41
mf9	34 47.65	98 29.54	1436.6	979611.98	31.68	-17.32	0.12	-17.77	26.58
mf10	34 47.62	98 29.54	1434.2	979612.21	31.72	-17.20	0.11	-17.66	26.69
mf11	34 47.59	98 29.54	1433.9	979612.36	31.89	-17.02	0.11	-17.48	26.86
mf12	34 47.56	98 29.54	1435.9	979612.35	32.11	-16.87	0.11	-17.33	27.01
mf13	34 47.53	98 29.54	1435.9	979612.50	32.29	-16.68	0.11	-17.14	27.19
mf14	34 47.49	98 29.54	1435.6	979612.59	32.42	-16.55	0.11	-17.01	27.31
mf15	34 47.46	98 29.54	1438.9	979612.54	32.72	-16.36	0.11	-16.82	27.50
mf16	34 47.43	98 29.54	1443.3	979612.44	33.08	-16.15	0.12	-16.60	27.71
mf17	34 47.41	98 29.54	1438.8	979612.80	33.04	-16.03	0.11	-16.50	27.81
mf18	34 47.40	98 29.54	1433.6	979613.18	32.95	-15.95	0.11	-16.41	27.90
mf19	34 47.38	98 29.54	1429.3	979613.50	32.89	-15.86	0.11	-16.32	27.98
mf20	34 47.37	98 29.54	1426.0	979613.99	33.08	-15.56	0.11	-16.02	28.28
mf21	34 47.35	98 29.54	1423.2	979614.25	33.11	-15.43	0.10	-15.90	28.40
mf22	34 47.34	98 29.54	1420.6	979614.47	33.10	-15.35	0.11	-15.81	28.49
mf23	34 47.32	98 29.54	1418.5	979614.65	33.11	-15.28	0.11	-15.73	28.56
mf24	34 47.30	98 29.54	1416.9	979614.84	33.18	-15.15	0.10	-15.62	28.67
mf25	34 47.29	98 29.54	1415.5	979615.03	33.25	-15.03	0.10	-15.50	28.79
mf26	34 47.27	98 29.54	1414.7	979615.17	33.34	-14.91	0.10	-15.38	28.90
mf27	34 47.26	98 29.54	1414.0	979615.32	33.44	-14.79	0.10	-15.25	29.03
mf28	34 47.24	98 29.54	1413.2	979615.48	33.55	-14.65	0.10	-15.11	29.17
mf29	34 47.23	98 29.54	1412.7	979615.63	33.67	-14.51	0.10	-14.98	29.30

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf30	34 47.21	98 29.54	1411.7	979615.81	33.78	-14.37	0.10	-14.83	29.44
mf31	34 47.20	98 29.54	1409.1	979616.08	33.82	-14.24	0.10	-14.70	29.57
mf32	34 47.18	98 29.54	1405.3	979616.40	33.82	-14.11	0.09	-14.59	29.68
mf33	34 47.16	98 29.54	1402.4	979616.64	33.81	-14.02	0.09	-14.50	29.76
mf34	34 47.15	98 29.54	1401.0	979616.79	33.84	-13.94	0.09	-14.41	29.85
mf35	34 47.13	98 29.54	1399.7	979616.89	33.85	-13.89	0.09	-14.36	29.90
mf36	34 47.12	98 29.54	1398.2	979617.01	33.84	-13.84	0.09	-14.31	29.95
mf37	34 47.10	98 29.54	1395.6	979617.16	33.77	-13.83	0.09	-14.29	29.96
mf38	34 47.09	98 29.54	1392.9	979617.35	33.73	-13.78	0.09	-14.25	30.00
mf39	34 47.07	98 29.54	1390.8	979617.50	33.71	-13.73	0.09	-14.19	30.06
mf40	34 47.05	98 29.54	1389.3	979617.61	33.70	-13.68	0.09	-14.15	30.09
mf41	34 47.04	98 29.54	1388.3	979617.66	33.67	-13.68	0.09	-14.14	30.10
mf42	34 47.02	98 29.54	1387.2	979617.74	33.68	-13.63	0.09	-14.10	30.14
mf43	34 47.01	98 29.54	1387.0	979617.76	33.69	-13.62	0.09	-14.08	30.15
mf44	34 46.98	98 29.54	1385.5	979617.89	33.73	-13.53	0.09	-13.99	30.24
mf45	34 46.97	98 29.54	1382.9	979618.09	33.70	-13.47	0.09	-13.93	30.30
mf46	34 46.95	98 29.54	1380.9	979618.26	33.70	-13.40	0.09	-13.86	30.36
mf47	34 47.92	98 29.54	1450.5	979610.29	30.91	-18.56	0.14	-19.00	25.40
mf48	34 47.95	98 29.54	1453.0	979610.03	30.85	-18.71	0.14	-19.15	25.26
mf49	34 47.99	98 29.54	1455.7	979609.76	30.77	-18.88	0.14	-19.32	25.09
mf50	34 48.02	98 29.54	1457.9	979609.53	30.71	-19.02	0.15	-19.45	24.97
mf51	34 48.05	98 29.54	1460.7	979609.33	30.72	-19.10	0.15	-19.53	24.90
mf52	34 48.09	98 29.54	1463.0	979609.14	30.69	-19.20	0.15	-19.64	24.79
mf53	34 48.12	98 29.54	1465.4	979608.89	30.63	-19.35	0.15	-19.78	24.66
mf54	34 48.15	98 29.54	1467.5	979608.72	30.61	-19.44	0.15	-19.88	24.56
mf55	34 48.18	98 29.54	1467.6	979608.67	30.53	-19.52	0.15	-19.96	24.49
mf56	34 48.22	98 29.54	1468.9	979608.55	30.48	-19.62	0.16	-20.04	24.42
mf57	34 48.25	98 29.54	1473.5	979608.24	30.55	-19.70	0.16	-20.13	24.33
mf58	34 48.28	98 29.54	1479.8	979607.77	30.64	-19.83	0.16	-20.26	24.21

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf59	34 48.32	98 29.54	1486.0	979607.34	30.74	-19.95	0.15	-20.39	24.09
mf60	34 48.35	98 29.54	1492.5	979606.90	30.86	-20.04	0.17	-20.47	24.01
mf61	34 48.38	98 29.54	1500.2	979606.37	31.02	-20.15	0.18	-20.57	23.92
mf62	34 48.41	98 29.54	1504.8	979606.04	31.07	-20.25	0.19	-20.66	23.83
mf63	34 48.45	98 29.54	1507.3	979605.80	31.01	-20.40	0.19	-20.80	23.70
mf64	34 48.48	98 29.54	1507.4	979605.74	30.92	-20.49	0.19	-20.90	23.60
mf65	34 48.51	98 29.54	1496.5	979606.38	30.49	-20.55	0.17	-20.97	23.54
mf66	34 48.55	98 29.54	1494.2	979606.45	30.29	-20.67	0.17	-21.10	23.41
mf67	34 48.58	98 29.54	1498.3	979606.15	30.34	-20.77	0.19	-21.17	23.35
mf68	34 48.61	98 29.54	1502.3	979605.83	30.35	-20.89	0.19	-21.30	23.22
mf69	34 48.65	98 29.54	1506.6	979605.56	30.43	-20.96	0.18	-21.38	23.15
mf70	34 48.68	98 29.54	1508.8	979605.40	30.43	-21.03	0.20	-21.43	23.11
mf71	34 48.70	98 29.54	1510.5	979605.28	30.44	-21.08	0.20	-21.48	23.06
mf72	34 46.91	98 29.54	1387.0	979618.02	34.09	-13.22	0.09	-13.68	30.54
mf73	34 46.88	98 29.54	1393.1	979617.65	34.34	-13.17	0.09	-13.64	30.57
mf74	34 46.85	98 29.54	1396.5	979617.44	34.49	-13.14	0.09	-13.61	30.60
mf75	34 46.81	98 29.54	1398.9	979617.37	34.71	-13.00	0.09	-13.47	30.73
mf76	34 46.78	98 29.54	1399.2	979617.43	34.84	-12.89	0.09	-13.36	30.83
mf77	34 46.74	98 29.54	1395.2	979617.81	34.90	-12.69	0.09	-13.16	31.03
mf78	34 46.71	98 29.54	1393.4	979617.99	34.95	-12.57	0.09	-13.04	31.14
mf79	34 46.67	98 29.54	1399.0	979617.65	35.19	-12.52	0.09	-12.99	31.18
mf80	34 46.64	98 29.54	1404.5	979617.39	35.49	-12.41	0.09	-12.89	31.28
mf81	34 46.61	98 29.54	1405.8	979617.38	35.65	-12.30	0.09	-12.77	31.39
mf82	34 46.57	98 29.54	1405.6	979617.49	35.80	-12.15	0.09	-12.62	31.54
mf83	34 46.54	98 29.54	1407.0	979617.45	35.92	-12.06	0.09	-12.54	31.61
mf84	34 46.50	98 29.54	1404.0	979617.67	35.92	-11.97	0.09	-12.44	31.70
mf85	34 46.41	98 29.54	1393.8	979618.39	35.81	-11.73	0.09	-12.20	31.93
mf86	34 46.32	98 29.54	1377.0	979619.56	35.53	-11.44	0.10	-11.89	32.22
mf87	34 46.24	98 29.54	1372.6	979619.90	35.56	-11.25	0.09	-11.71	32.38

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf88	34 46.12	98 29.54	1365.5	979620.47	35.63	-10.94	0.08	-11.41	32.66
mf89	34 46.01	98 29.54	1364.8	979620.64	35.90	-10.65	0.08	-11.12	32.93
mf90	34 45.87	98 29.54	1374.2	979620.25	36.59	-10.28	0.10	-10.73	33.30
mf91	34 45.76	98 29.54	1368.6	979620.36	36.33	-10.35	0.09	-10.81	33.20
mf92	34 45.58	98 29.45	1343.2	979622.21	36.05	-9.77	0.07	-10.24	33.71
mf93	34 45.34	98 29.39	1343.2	979622.23	36.40	-9.41	0.07	-9.88	34.02
mf94	34 45.15	98 29.32	1343.3	979622.38	36.83	-8.99	0.08	-9.45	34.40
mf95	34 44.74	98 29.27	1343.3	979621.17	36.19	-9.62	0.08	-10.08	33.67
mf96	34 44.38	98 29.34	1343.7	979620.42	35.99	-9.84	0.33	-10.05	33.64
mf97	34 47.82	98 34.81	1537.4	979618.33	47.26	-5.17	0.17	-5.61	39.68
mf98	34 47.91	98 34.81	1528.0	979618.57	46.49	-5.62	0.16	-6.07	39.23
mf99	34 48.00	98 34.81	1525.9	979618.88	46.48	-5.56	0.17	-6.00	39.32
mf100	34 48.08	98 34.81	1539.3	979618.15	46.90	-5.60	0.17	-6.04	39.30
mf101	34 48.16	98 34.81	1553.2	979617.15	47.10	-5.88	0.18	-6.31	39.04
mf102	34 48.25	98 34.82	1566.7	979616.18	47.26	-6.17	0.19	-6.60	38.77
mf103	34 48.32	98 34.80	1589.3	979614.67	47.78	-6.42	0.23	-6.82	38.56
mf104	34 48.40	98 34.83	1617.1	979612.70	48.31	-6.85	0.33	-7.15	38.25
mf105	34 48.42	98 34.84	1614.1	979612.79	48.10	-6.96	0.31	-7.28	38.13
mf106	34 48.46	98 34.85	1619.3	979612.37	48.10	-7.13	0.31	-7.46	37.96
mf107	34 48.49	98 34.83	1615.7	979612.53	47.88	-7.22	0.30	-7.56	37.86
mf108	34 48.52	98 34.82	1620.0	979612.13	47.85	-7.40	0.29	-7.75	37.67
mf109	34 48.55	98 34.83	1619.7	979611.94	47.58	-7.66	0.28	-8.02	37.41
mf110	34 48.58	98 34.81	1620.1	979611.74	47.38	-7.87	0.27	-8.24	37.19
mf111	34 48.61	98 34.82	1619.3	979611.62	47.14	-8.09	0.26	-8.47	36.96
mf112	34 48.64	98 34.82	1619.2	979611.50	46.97	-8.26	0.24	-8.65	36.79
mf113	34 48.67	98 34.81	1621.8	979611.26	46.93	-8.39	0.23	-8.79	36.65
mf114	34 48.69	98 34.79	1610.0	979611.80	46.34	-8.58	0.21	-9.00	36.44
mf115	34 48.73	98 34.79	1612.2	979611.53	46.22	-8.77	0.22	-9.18	36.27
mf116	34 48.76	98 34.79	1621.4	979610.90	46.41	-8.90	0.24	-9.29	36.16

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf117	34 48.79	98 34.79	1628.2	979610.38	46.49	-9.05	0.24	-9.44	36.02
mf118	34 48.83	98 34.79	1634.1	979609.91	46.51	-9.23	0.26	-9.61	35.85
mf119	34 48.86	98 34.79	1646.0	979609.02	46.70	-9.44	0.26	-9.83	35.64
mf120	34 48.89	98 34.77	1648.6	979608.69	46.57	-9.65	0.25	-10.05	35.42
mf121	34 48.92	98 34.75	1650.8	979608.40	46.44	-9.86	0.26	-10.25	35.22
mf122	34 48.95	98 34.74	1656.5	979607.96	46.50	-10.00	0.27	-10.38	35.10
mf123	34 48.98	98 34.71	1668.4	979607.12	46.73	-10.17	0.31	-10.51	34.97
mf124	34 49.00	98 34.69	1680.8	979606.22	46.98	-10.35	0.34	-10.67	34.81
mf125	34 49.02	98 34.68	1677.6	979606.43	46.85	-10.36	0.34	-10.68	34.80
mf126	34 49.03	98 34.68	1678.0	979606.36	46.81	-10.43	0.33	-10.75	34.73
mf127	34 49.04	98 34.67	1679.3	979606.25	46.81	-10.46	0.33	-10.79	34.69
mf128	34 49.06	98 34.66	1679.9	979606.15	46.74	-10.56	0.32	-10.90	34.58
mf129	34 49.07	98 34.65	1678.1	979606.29	46.69	-10.54	0.31	-10.89	34.59
mf130	34 49.09	98 34.64	1678.6	979606.23	46.66	-10.60	0.31	-10.94	34.54
mf131	34 49.10	98 34.63	1680.5	979606.14	46.73	-10.59	0.31	-10.94	34.54
mf132	34 49.12	98 34.62	1683.7	979605.96	46.82	-10.61	0.32	-10.95	34.53
mf133	34 49.13	98 34.62	1688.6	979605.70	47.00	-10.59	0.33	-10.92	34.57
mf134	34 49.15	98 34.61	1693.3	979605.47	47.19	-10.56	0.33	-10.89	34.60
mf135	34 49.16	98 34.61	1699.2	979605.16	47.42	-10.53	0.34	-10.86	34.63
mf136	34 49.18	98 34.60	1703.5	979604.88	47.52	-10.59	0.34	-10.91	34.58
mf137	34 49.19	98 34.59	1707.7	979604.63	47.64	-10.60	0.35	-10.92	34.57
mf138	34 49.21	98 34.58	1711.2	979604.38	47.70	-10.67	0.36	-10.97	34.52
mf139	34 49.23	98 34.57	1718.4	979603.88	47.85	-10.76	0.37	-11.06	34.43
mf140	34 49.24	98 34.56	1717.0	979603.89	47.71	-10.85	0.36	-11.16	34.33
mf141	34 49.25	98 34.55	1713.8	979604.02	47.53	-10.92	0.36	-11.23	34.26
mf142	34 49.26	98 34.54	1710.6	979604.14	47.33	-11.01	0.34	-11.34	34.15
mf143	34 49.27	98 34.53	1713.5	979603.94	47.39	-11.05	0.35	-11.37	34.12
mf144	34 49.29	98 34.52	1719.7	979603.49	47.49	-11.16	0.38	-11.45	34.04
mf145	34 49.31	98 34.51	1726.8	979602.98	47.63	-11.27	0.40	-11.54	33.96



Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf146	34 49.32	98 34.51	1727.9	979602.86	47.59	-11.34	0.40	-11.61	33.89
mf147	34 49.34	98 34.51	1728.0	979602.79	47.50	-11.44	0.40	-11.71	33.79
mf148	34 49.35	98 34.50	1729.8	979602.61	47.48	-11.52	0.40	-11.79	33.71
mf149	34 49.36	98 34.50	1730.1	979602.55	47.43	-11.57	0.40	-11.85	33.65
mf150	34 49.38	98 34.50	1729.9	979602.53	47.36	-11.64	0.40	-11.91	33.60
mf151	34 49.40	98 34.50	1727.9	979602.62	47.24	-11.70	0.40	-11.97	33.54
mf152	34 49.41	98 34.51	1725.7	979602.73	47.13	-11.73	0.39	-12.01	33.50
mf153	34 49.42	98 34.52	1727.8	979602.59	47.17	-11.76	0.38	-12.05	33.47
mf154	34 49.44	98 34.53	1726.8	979602.61	47.07	-11.83	0.38	-12.12	33.40
mf155	34 49.46	98 34.54	1728.0	979602.50	47.05	-11.89	0.37	-12.19	33.33
mf156	34 49.48	98 34.55	1729.7	979602.36	47.04	-11.96	0.37	-12.26	33.27
mf157	34 49.50	98 34.56	1731.2	979602.22	47.01	-12.04	0.39	-12.32	33.21
mf158	34 49.53	98 34.57	1735.8	979601.86	47.04	-12.16	0.43	-12.41	33.13
mf159	34 49.55	98 34.57	1727.8	979602.35	46.74	-12.19	0.39	-12.47	33.07
mf160	34 49.58	98 34.57	1719.5	979602.86	46.44	-12.21	0.33	-12.55	33.00
mf161	34 49.61	98 34.57	1719.4	979602.75	46.28	-12.37	0.33	-12.71	32.84
mf162	34 49.64	98 34.56	1711.1	979603.17	45.87	-12.49	0.31	-12.85	32.71
mf163	34 49.67	98 34.54	1700.9	979603.64	45.34	-12.67	0.33	-13.01	32.55
mf164	34 49.69	98 34.52	1699.4	979603.67	45.20	-12.76	0.33	-13.09	32.47
mf165	34 49.70	98 34.47	1685.4	979604.36	44.56	-12.93	0.32	-13.27	32.28
mf166	34 49.69	98 34.44	1703.0	979603.29	45.16	-12.93	0.36	-13.23	32.31
mf167	34 49.70	98 34.41	1719.8	979602.18	45.61	-13.04	0.36	-13.35	32.19
mf168	34 49.71	98 34.37	1724.7	979601.76	45.64	-13.19	0.35	-13.51	32.03
mf169	34 49.72	98 34.34	1740.8	979600.73	46.12	-13.26	0.37	-13.57	31.96
mf170	34 49.73	98 34.30	1756.7	979599.67	46.53	-13.38	0.41	-13.66	31.87
mf171	34 49.72	98 34.25	1774.7	979598.50	47.07	-13.46	0.45	-13.70	31.82
mf172	34 49.72	98 34.21	1790.6	979597.39	47.46	-13.62	0.51	-13.80	31.71
mf173	34 47.69	98 34.80	1527.7	979619.60	47.81	-4.30	0.16	-4.74	40.52
mf174	34 47.55	98 34.80	1536.3	979620.18	49.39	-3.01	0.18	-3.43	41.81

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf175	34 47.39	98 34.80	1518.4	979621.86	49.62	-2.17	0.19	-2.58	42.63
mf176	34 47.22	98 34.80	1471.6	979625.66	49.25	-.94	0.18	-1.35	43.82
mf177	34 47.02	98 34.75	1456.5	979625.48	47.94	-1.74	0.20	-2.12	43.01
mf178	34 46.95	98 34.74	1468.1	979624.81	48.45	-1.62	0.18	-2.02	43.09
mf179	34 46.78	98 34.85	1485.0	979622.37	47.85	-2.80	0.20	-3.19	41.91
mf180	34 46.60	98 34.78	1424.1	979628.60	48.60	0.03	0.30	-0.24	44.81
mf181	34 46.10	98 34.78	1458.7	979625.56	49.52	-0.23	0.37	-0.44	44.52
mf182	34 45.66	98 34.80	1542.7	979619.05	51.53	-1.09	0.86	-0.84	44.04
mf183	34 45.31	98 34.85	1583.6	979616.08	52.90	-1.11	0.69	-1.05	43.77
mf184	34 44.95	98 34.83	1577.4	979614.86	51.60	-2.20	0.60	-2.22	42.52
mf185	34 44.82	98 34.90	1569.3	979613.78	49.95	-3.58	0.71	-3.48	41.24
mf186	34 49.74	98 34.17	1797.1	979596.98	47.63	-13.67	0.53	-13.83	31.68
mf187	34 49.76	98 34.14	1802.8	979596.51	47.66	-13.83	0.54	-13.98	31.53
mf188	34 49.78	98 34.10	1803.9	979596.38	47.61	-13.91	0.55	-14.06	31.44
mf189	34 49.80	98 34.08	1809.3	979595.97	47.68	-14.03	0.56	-14.17	31.33
mf190	34 49.82	98 34.04	1811.7	979595.75	47.66	-14.13	0.52	-14.31	31.19
mf191	34 49.84	98 34.02	1811.7	979595.71	47.59	-14.20	0.50	-14.40	31.10
mf192	34 49.88	98 34.00	1816.4	979595.33	47.60	-14.35	0.48	-14.58	30.92
mf193	34 49.95	98 33.96	1828.5	979594.48	47.78	-14.58	0.55	-14.74	30.77
mf194	34 50.01	98 33.89	1854.7	979592.64	48.32	-14.94	0.56	-15.09	30.42
mf195	34 50.09	98 33.89	1882.3	979590.78	48.95	-15.25	0.71	-15.26	30.26
mf196	34 50.18	98 33.91	1896.9	979589.83	49.24	-15.46	0.79	-15.40	30.14
mf197	34 50.24	98 33.93	1900.1	979589.56	49.19	-15.62	0.76	-15.59	29.96
mf198	34 48.96	98 33.67	1708.0	979603.13	46.50	-11.75	0.49	-11.93	33.37
mf199	34 48.64	98 33.29	1635.0	979608.86	45.82	-9.95	0.38	-10.21	34.97
mf200	34 53.06	98 44.59	1599.7	979619.66	47.06	-7.51	0.13	-8.01	39.42
mf201	34 53.02	98 44.59	1600.9	979619.68	47.24	-7.36	0.13	-7.86	39.57
mf202	34 52.99	98 44.59	1602.5	979619.69	47.44	-7.21	0.14	-7.71	39.72
mf203	34 52.96	98 44.59	1603.1	979619.76	47.61	-7.06	0.14	-7.55	39.87

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf204	34 52.92	98 44.59	1604.3	979619.80	47.82	-6.90	0.14	-7.39	40.03
mf205	34 52.89	98 44.59	1607.8	979619.69	48.08	-6.76	0.14	-7.25	40.16
mf206	34 52.85	98 44.59	1612.5	979619.56	48.46	-6.54	0.14	-7.04	40.37
mf207	34 52.82	98 44.59	1618.6	979619.32	48.83	-6.38	0.15	-6.86	40.54
mf208	34 52.79	98 44.59	1621.2	979619.35	49.15	-6.14	0.15	-6.63	40.77
mf209	34 52.75	98 44.59	1619.2	979619.64	49.31	-5.92	0.15	-6.41	40.98
mf210	34 53.12	98 44.59	1596.4	979619.65	46.65	-7.80	0.13	-8.30	39.14
mf211	34 53.16	98 44.59	1595.2	979619.67	46.50	-7.91	0.13	-8.40	39.05
mf212	34 53.19	98 44.59	1594.2	979619.61	46.30	-8.07	0.13	-8.57	38.88
mf213	34 53.22	98 44.59	1593.9	979619.57	46.19	-8.17	0.12	-8.68	38.78
mf214	34 53.26	98 44.59	1592.8	979619.57	46.03	-8.30	0.12	-8.81	38.65
mf215	34 53.29	98 44.59	1600.1	979619.11	46.21	-8.36	0.13	-8.86	38.61
mf216	34 53.32	98 44.59	1602.9	979618.93	46.26	-8.41	0.13	-8.91	38.56
mf217	34 53.36	98 44.59	1603.7	979618.96	46.30	-8.40	0.13	-8.90	38.58
mf218	34 53.39	98 44.59	1603.1	979619.13	46.37	-8.30	0.13	-8.80	38.68
mf219	34 53.42	98 44.59	1602.2	979619.40	46.52	-8.12	0.13	-8.62	38.86
mf220	34 53.46	98 44.59	1601.3	979619.65	46.63	-7.99	0.12	-8.50	38.99
mf221	34 53.49	98 44.59	1600.5	979619.90	46.76	-7.83	0.12	-8.34	39.15
mf222	34 53.52	98 44.59	1600.1	979620.09	46.87	-7.71	0.12	-8.22	39.28
mf223	34 53.56	98 44.59	1600.4	979620.27	47.02	-7.57	0.12	-8.08	39.42
mf224	34 53.59	98 44.59	1601.3	979620.34	47.14	-7.48	0.13	-7.98	39.53
mf225	34 53.62	98 44.59	1600.5	979620.49	47.16	-7.43	0.12	-7.94	39.57
mf226	34 53.66	98 44.59	1599.0	979620.65	47.13	-7.41	0.12	-7.92	39.60
mf227	34 53.69	98 44.59	1596.8	979620.82	47.05	-7.41	0.12	-7.92	39.60
mf228	34 53.72	98 44.59	1595.2	979620.94	46.98	-7.43	0.12	-7.94	39.58
mf229	34 53.75	98 44.59	1593.5	979620.97	46.81	-7.54	0.12	-8.05	39.48
mf230	34 53.79	98 44.59	1591.8	979620.95	46.57	-7.72	0.12	-8.23	39.30
mf231	34 53.82	98 44.59	1589.9	979620.83	46.22	-8.00	0.12	-8.51	39.03
mf232	34 53.85	98 44.59	1588.2	979620.64	45.84	-8.33	0.12	-8.84	38.70

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf233	34 53.89	98 44.59	1586.8	979620.36	45.37	-8.75	0.12	-9.26	38.29
mf234	34 53.92	98 44.59	1584.7	979620.18	44.95	-9.10	0.11	-9.62	37.93
mf235	34 53.95	98 44.59	1579.8	979620.22	44.48	-9.40	0.11	-9.91	37.65
mf236	34 53.98	98 44.59	1574.9	979620.29	44.05	-9.67	0.11	-10.18	37.38
mf237	34 54.02	98 44.59	1572.9	979620.22	43.74	-9.91	0.11	-10.42	37.15
mf238	34 54.05	98 44.59	1571.7	979620.12	43.48	-10.12	0.11	-10.63	36.94
mf239	34 54.08	98 44.59	1570.7	979620.06	43.28	-10.29	0.10	-10.81	36.76
mf240	34 54.12	98 44.59	1568.4	979620.00	42.95	-10.54	0.10	-11.06	36.52
mf241	34 54.15	98 44.59	1566.7	979619.98	42.72	-10.71	0.10	-11.23	36.35
mf242	34 54.18	98 44.59	1565.4	979619.95	42.53	-10.86	0.10	-11.38	36.21
mf243	34 54.21	98 44.59	1564.8	979619.91	42.40	-10.97	0.10	-11.49	36.10
mf244	34 54.25	98 44.59	1565.1	979619.82	42.27	-11.11	0.10	-11.63	35.96
mf245	34 54.28	98 44.59	1564.6	979619.77	42.14	-11.23	0.10	-11.74	35.86
mf246	34 54.31	98 44.59	1564.7	979619.71	42.05	-11.32	0.10	-11.84	35.76
mf247	34 54.35	98 44.59	1565.6	979619.60	41.96	-11.44	0.10	-11.96	35.65
mf248	34 54.38	98 44.59	1567.8	979619.41	41.94	-11.53	0.10	-12.05	35.56
mf249	34 54.41	98 44.59	1568.4	979619.36	41.90	-11.60	0.10	-12.12	35.49
mf250	34 54.45	98 44.59	1567.0	979619.41	41.76	-11.69	0.10	-12.20	35.42
mf251	34 54.48	98 44.59	1564.5	979619.54	41.62	-11.74	0.10	-12.26	35.36
mf252	34 54.51	98 44.59	1562.0	979619.73	41.53	-11.75	0.10	-12.27	35.36
mf253	34 54.55	98 44.59	1559.5	979619.86	41.37	-11.82	0.10	-12.34	35.29
mf254	34 54.58	98 44.59	1557.8	979619.99	41.30	-11.84	0.10	-12.35	35.28
mf255	34 54.61	98 44.59	1557.1	979620.02	41.21	-11.90	0.10	-12.41	35.23
mf256	34 54.65	98 44.59	1556.9	979620.02	41.14	-11.96	0.10	-12.48	35.16
mf257	34 54.68	98 44.59	1557.6	979619.96	41.11	-12.02	0.10	-12.53	35.12
mf258	34 54.71	98 44.59	1559.3	979619.87	41.13	-12.05	0.10	-12.57	35.08
mf259	34 54.74	98 44.59	1562.0	979619.70	41.18	-12.10	0.11	-12.61	35.04
mf260	34 54.78	98 44.59	1564.8	979619.50	41.17	-12.20	0.11	-12.70	34.96
mf261	34 54.81	98 44.58	1567.6	979619.32	41.22	-12.25	0.11	-12.76	34.90

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf262	34 54.81	98 44.52	1565.6	979619.35	41.06	-12.34	0.11	-12.85	34.80
mf263	34 54.81	98 44.46	1560.8	979619.62	40.88	-12.35	0.11	-12.86	34.78
mf264	34 54.81	98 44.40	1555.7	979619.94	40.72	-12.34	0.11	-12.84	34.79
mf265	34 54.81	98 44.34	1549.1	979620.36	40.52	-12.31	0.11	-12.82	34.80
mf266	34 54.81	98 44.28	1544.8	979620.67	40.43	-12.26	0.11	-12.76	34.86
mf267	34 54.81	98 44.21	1543.6	979620.79	40.43	-12.22	0.11	-12.72	34.89
mf268	34 54.81	98 44.15	1544.8	979620.81	40.57	-12.12	0.11	-12.62	34.98
mf269	34 54.81	98 44.09	1543.9	979620.99	40.66	-12.00	0.11	-12.50	35.09
mf270	34 54.82	98 44.04	1542.1	979621.19	40.68	-11.92	0.11	-12.42	35.16
mf271	34 54.87	98 44.04	1541.8	979621.43	40.82	-11.77	0.11	-12.27	35.32
mf272	34 54.92	98 44.04	1544.4	979621.37	40.93	-11.74	0.12	-12.24	35.35
mf273	34 54.97	98 44.04	1553.2	979620.88	41.20	-11.78	0.13	-12.26	35.34
mf274	34 55.02	98 44.04	1567.2	979620.09	41.65	-11.80	0.12	-12.30	35.31
mf275	34 55.07	98 44.04	1563.8	979620.12	41.30	-12.04	0.16	-12.50	35.11
mf276	34 55.12	98 44.04	1562.2	979620.08	41.03	-12.25	0.23	-12.63	34.99
mf277	34 55.17	98 44.04	1573.5	979619.30	41.25	-12.42	0.23	-12.81	34.81
mf278	34 55.21	98 44.04	1589.4	979618.33	41.72	-12.49	0.30	-12.82	34.81
mf279	34 55.22	98 44.00	1589.0	979618.32	41.65	-12.54	0.31	-12.86	34.76
mf280	34 55.22	98 43.94	1577.4	979619.01	41.25	-12.55	0.24	-12.93	34.69
mf281	34 55.22	98 43.88	1569.7	979619.52	41.04	-12.50	0.19	-12.93	34.68
mf282	34 55.22	98 43.82	1556.7	979620.24	40.54	-12.56	0.15	-13.02	34.58
mf283	34 55.22	98 43.76	1545.5	979620.67	39.91	-12.80	0.13	-13.28	34.31
mf284	34 55.22	98 43.70	1536.1	979621.07	39.43	-12.96	0.12	-13.45	34.13
mf285	34 55.22	98 43.63	1529.1	979621.40	39.10	-13.05	0.10	-13.56	34.01
mf286	34 55.22	98 43.58	1534.4	979621.00	39.20	-13.13	0.10	-13.64	33.92
mf287	34 55.22	98 43.51	1537.9	979620.72	39.25	-13.21	0.10	-13.71	33.84
mf288	34 55.27	98 43.51	1535.2	979620.92	39.12	-13.24	0.10	-13.74	33.82
mf289	34 55.32	98 43.51	1530.6	979621.27	38.97	-13.23	0.10	-13.74	33.83
mf290	34 55.37	98 43.51	1526.2	979621.66	38.88	-13.18	0.10	-13.68	33.89

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf291	34 55.42	98 43.51	1523.3	979621.96	38.83	-13.12	0.10	-13.63	33.95
mf292	34 55.45	98 43.51	1524.8	979621.91	38.88	-13.13	0.10	-13.63	33.95
mf293	34 55.52	98 43.51	1519.3	979622.34	38.70	-13.12	0.09	-13.63	33.96
mf294	34 55.57	98 43.51	1516.8	979622.44	38.48	-13.25	0.09	-13.76	33.83
mf295	34 55.62	98 43.51	1511.5	979622.68	38.16	-13.40	0.09	-13.91	33.69
mf296	34 55.68	98 43.52	1498.0	979623.38	37.51	-13.59	0.09	-14.09	33.52
mf297	34 55.81	98 43.52	1488.5	979623.63	36.67	-14.09	0.08	-14.60	33.02
mf298	34 52.72	98 44.59	1620.2	979619.75	49.55	-5.71	0.15	-6.20	41.19
mf299	34 52.68	98 44.59	1619.5	979619.99	49.78	-5.46	0.16	-5.94	41.44
mf300	34 52.65	98 44.59	1621.5	979620.04	50.06	-5.24	0.16	-5.72	41.66
mf301	34 52.62	98 44.59	1622.4	979620.21	50.36	-4.98	0.17	-5.45	41.93
mf302	34 52.59	98 44.59	1623.2	979620.42	50.69	-4.67	0.18	-5.13	42.24
mf303	34 52.56	98 44.62	1624.8	979620.54	51.00	-4.42	0.18	-4.88	42.49
mf304	34 52.54	98 44.65	1628.4	979620.53	51.36	-4.18	0.18	-4.64	42.73
mf305	34 52.52	98 44.66	1628.6	979620.77	51.64	-3.91	0.19	-4.36	43.01
mf306	34 52.49	98 44.66	1631.5	979620.79	51.98	-3.67	0.20	-4.11	43.26
mf307	34 52.46	98 44.67	1633.9	979620.82	52.27	-3.45	0.20	-3.89	43.47
mf308	34 52.42	98 44.68	1634.9	979620.97	52.57	-3.19	0.20	-3.63	43.73
mf309	34 52.39	98 44.68	1637.8	979620.96	52.88	-2.98	0.20	-3.42	43.94
mf310	34 52.36	98 44.69	1645.1	979620.70	53.35	-2.76	0.20	-3.20	44.15
mf311	34 52.33	98 44.70	1649.1	979620.56	53.63	-2.61	0.22	-3.04	44.31
mf312	34 52.30	98 44.70	1652.9	979620.44	53.91	-2.47	0.21	-2.91	44.44
mf313	34 52.27	98 44.71	1655.5	979620.42	54.18	-2.28	0.21	-2.72	44.62
mf314	34 52.21	98 44.73	1657.5	979620.61	54.64	-1.90	0.22	-2.32	45.02
mf315	34 52.14	98 44.68	1678.5	979619.55	55.65	-1.60	0.24	-2.01	45.31
mf316	34 52.07	98 44.62	1691.2	979618.88	56.28	-1.40	0.25	-1.81	45.49
mf317	34 51.98	98 44.58	1698.1	979618.68	56.85	-1.06	0.23	-1.50	45.79
mf318	34 51.90	98 44.58	1682.4	979619.90	56.71	-0.68	0.21	-1.12	46.16
mf319	34 51.82	98 44.58	1677.1	979620.55	56.97	-0.23	0.21	-0.67	46.60

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf320	34 51.74	98 44.58	1679.9	979620.66	57.46	0.16	0.23	-0.27	46.98
mf321	34 51.65	98 44.58	1683.8	979620.77	58.07	0.64	0.23	0.21	47.45
mf322	34 51.45	98 44.57	1700.3	979620.50	59.63	1.64	0.28	1.25	48.46
mf323	34 49.61	98 34.57	1719.6	979602.73	46.28	-12.37	0.32	-12.73	32.68
mf324	34 49.64	98 34.57	1722.1	979602.53	46.27	-12.47	0.32	-12.82	32.59
mf325	34 49.67	98 34.57	1730.0	979601.98	46.42	-12.59	0.34	-12.92	32.50
mf326	34 49.70	98 34.56	1735.2	979601.61	46.49	-12.69	0.35	-13.02	32.40
mf327	34 49.73	98 34.55	1739.3	979601.25	46.48	-12.84	0.36	-13.16	32.27
mf328	34 49.76	98 34.54	1746.9	979600.71	46.61	-12.98	0.39	-13.26	32.17
mf329	34 49.78	98 34.52	1759.2	979599.87	46.90	-13.10	0.44	-13.35	32.08
mf330	34 49.81	98 34.50	1766.6	979599.32	47.00	-13.26	0.44	-13.50	31.93
mf331	34 49.84	98 34.48	1769.0	979599.13	46.99	-13.34	0.43	-13.60	31.83
mf332	34 49.87	98 34.46	1779.6	979598.41	47.23	-13.47	0.44	-13.72	31.71
mf333	34 49.91	98 34.45	1779.5	979598.37	47.12	-13.57	0.41	-13.85	31.59
mf336	34 42.84	98 21.20	1207.0	979612.24	17.12	-24.04	0.01	-24.52	17.42
mf337	34 43.09	98 21.13	1248.9	979609.19	17.66	-24.93	0.06	-25.38	16.60
mf338	34 43.17	98 21.12	1253.4	979608.64	17.43	-25.32	0.05	-25.78	16.21
mf339	34 43.25	98 21.10	1245.4	979608.90	16.82	-25.66	0.03	-26.13	15.87
mf340	34 43.30	98 21.06	1236.5	979609.26	16.27	-25.90	0.02	-26.38	15.62
mf341	34 43.37	98 21.01	1222.9	979609.85	15.49	-26.22	0.01	-26.71	15.30
mf342	34 43.40	98 20.99	1221.7	979609.75	15.23	-26.44	0.01	-26.93	15.08
mf343	34 43.42	98 20.97	1220.6	979609.67	15.02	-26.61	0.02	-27.09	14.92
mf344	34 43.45	98 20.95	1222.1	979609.45	14.90	-26.79	0.01	-27.27	14.75
mf345	34 43.48	98 20.93	1223.6	979609.20	14.75	-26.99	0.01	-27.47	14.55
mf346	34 43.51	98 20.91	1224.0	979608.98	14.52	-27.23	0.01	-27.72	14.30
mf347	34 43.54	98 20.89	1223.8	979608.82	14.30	-27.44	0.01	-27.93	14.09
mf348	34 43.56	98 20.87	1224.3	979608.62	14.12	-27.64	0.01	-28.13	13.89
mf349	34 43.59	98 20.84	1224.6	979608.44	13.93	-27.84	0.01	-28.33	13.70
mf350	34 43.62	98 20.83	1223.8	979608.30	13.67	-28.07	0.01	-28.56	13.47

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf351	34 43.64	98 20.81	1222.0	979608.19	13.36	-28.32	0.01	-28.80	13.23
mf352	34 43.67	98 20.80	1219.9	979608.09	13.02	-28.58	0.05	-29.03	13.00
mf353	34 43.70	98 20.79	1221.0	979607.86	12.85	-28.80	0.01	-29.28	12.76
mf354	34 43.74	98 20.78	1222.7	979607.54	12.64	-29.07	0.01	-29.55	12.49
mf355	34 43.76	98 20.75	1225.2	979607.17	12.47	-29.32	0.01	-29.81	12.23
mf356	34 43.79	98 20.73	1229.1	979606.70	12.33	-29.59	0.01	-30.08	11.97
mf357	34 43.81	98 20.71	1234.0	979606.15	12.21	-29.88	0.01	-30.37	11.68
mf358	34 43.83	98 20.68	1237.8	979605.72	12.11	-30.11	0.02	-30.59	11.46
mf359	34 43.86	98 20.65	1239.1	979605.42	11.89	-30.38	0.02	-30.86	11.19
mf360	34 43.88	98 20.62	1240.5	979605.12	11.69	-30.62	0.02	-31.10	10.95
mf361	34 43.90	98 20.59	1241.7	979604.84	11.50	-30.86	0.02	-31.34	10.71
mf362	34 43.92	98 20.57	1242.1	979604.60	11.26	-31.10	0.02	-31.59	10.46
mf363	34 43.95	98 20.54	1244.8	979604.22	11.10	-31.36	0.02	-31.84	10.21
mf364	34 43.97	98 20.52	1251.3	979603.62	11.08	-31.60	0.02	-32.09	9.96
mf365	34 43.99	98 20.47	1258.0	979602.92	10.98	-31.92	0.03	-32.40	9.65
mf366	34 44.01	98 20.45	1261.9	979602.49	10.89	-32.15	0.03	-32.63	9.42
mf367	34 44.04	98 20.43	1261.6	979602.35	10.68	-32.35	0.03	-32.83	9.22
mf368	34 44.06	98 20.41	1260.7	979602.21	10.43	-32.57	0.03	-33.05	9.00
mf369	34 44.09	98 20.38	1260.3	979602.08	10.22	-32.77	0.03	-33.25	8.80
mf370	34 44.11	98 20.35	1261.7	979601.84	10.08	-32.95	0.03	-33.43	8.62
mf371	34 44.14	98 20.31	1263.5	979601.50	09.87	-33.23	0.03	-33.71	8.34
mf372	34 44.15	98 20.29	1261.0	979601.42	09.54	-33.47	0.03	-33.95	8.10
mf373	34 44.18	98 20.26	1258.3	979601.38	09.21	-33.71	0.03	-34.19	7.86
mf374	34 44.20	98 20.23	1253.8	979601.47	08.84	-33.92	0.02	-34.41	7.64
mf375	34 44.22	98 20.19	1249.1	979601.58	08.48	-34.12	0.02	-34.61	7.44
mf376	34 44.25	98 20.17	1245.3	979601.60	08.10	-34.37	0.02	-34.86	7.19
mf377	34 44.28	98 20.14	1242.6	979601.62	07.82	-34.56	0.02	-35.05	7.00
mf378	34 44.30	98 20.11	1245.9	979601.28	07.77	-34.73	0.02	-35.21	6.84
mf379	34 44.33	98 20.07	1250.6	979600.80	07.68	-34.97	0.02	-35.46	6.59



Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf380	34 44.35	98 20.04	1251.9	979600.54	07.52	-35.18	0.02	-35.66	6.39
mf381	34 44.39	98 20.01	1252.9	979600.35	07.37	-35.36	0.02	-35.85	6.20
mf382	34 44.42	98 19.99	1250.1	979600.33	07.04	-35.60	0.02	-36.08	5.97
mf383	34 44.48	98 19.94	1244.9	979600.27	06.41	-36.05	0.02	-36.54	5.52
mf384	34 44.55	98 19.88	1247.7	979599.83	06.14	-36.42	0.02	-36.91	5.15
mf385	34 44.61	98 19.81	1244.4	979599.69	05.60	-36.84	0.02	-37.33	4.73
mf386	34 44.67	98 19.75	1244.8	979599.38	05.24	-37.21	0.02	-37.70	4.36
mf387	34 44.73	98 19.69	1241.8	979599.30	04.79	-37.56	0.01	-38.06	4.01
mf388	34 44.80	98 19.62	1239.4	979599.06	04.23	-38.04	0.01	-38.53	3.54
mf389	34 44.87	98 19.55	1238.0	979598.82	03.76	-38.47	0.01	-38.96	3.11
mf390	34 44.92	98 19.50	1237.8	979598.49	03.34	-38.88	0.01	-39.37	2.70
mf391	34 45.01	98 19.44	1235.6	979598.28	02.80	-39.34	0.01	-39.84	2.24
mf392	34 45.07	98 19.38	1235.6	979597.93	02.36	-39.78	0.01	-40.27	1.81
mf393	34 45.14	98 19.31	1236.2	979597.54	01.93	-40.24	0.01	-40.73	1.35
mf394	34 45.27	98 19.04	1238.7	979596.25	00.69	-41.55	0.01	-42.05	0.02
mf395	34 45.58	98 18.62	1260.3	979593.16	-0.80	-43.79	0.02	-44.28	-2.22
mf396	34 45.90	98 18.19	1292.9	979589.55	-1.80	-45.90	0.05	-46.37	-4.32
mf397	34 46.07	98 25.32	1257.0	979614.93	19.96	-22.91	0.04	-23.38	19.83
mf398	34 46.03	98 25.32	1253.9	979615.11	19.91	-22.86	0.04	-23.33	19.88
mf399	34 46.00	98 25.32	1251.4	979615.26	19.87	-22.81	0.04	-23.28	19.92
mf400	34 45.97	98 25.32	1248.8	979615.40	19.80	-22.79	0.04	-23.26	19.94
mf401	34 45.94	98 25.32	1245.6	979615.65	19.80	-22.69	0.04	-23.15	20.04
mf402	34 45.90	98 25.32	1243.5	979615.84	19.84	-22.57	0.04	-23.03	20.15
mf403	34 45.88	98 25.32	1243.0	979615.92	19.90	-22.49	0.04	-22.96	20.22
mf404	34 45.84	98 25.32	1243.9	979616.00	20.13	-22.30	0.04	-22.76	20.41
mf405	34 45.81	98 25.32	1243.3	979616.09	20.20	-22.20	0.04	-22.67	20.50
mf406	34 45.77	98 25.32	1241.7	979616.24	20.25	-22.10	0.03	-22.57	20.59
mf407	34 45.74	98 25.32	1240.6	979616.42	20.38	-21.94	0.03	-22.41	20.75
mf408	34 45.71	98 25.31	1239.1	979616.62	20.48	-21.79	0.03	-22.26	20.89

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf409	34 45.68	98 25.31	1235.6	979616.95	20.52	-21.62	0.03	-22.09	21.05
mf410	34 45.64	98 25.31	1232.2	979617.26	20.57	-21.46	0.03	-21.93	21.21
mf411	34 45.60	98 25.31	1226.9	979617.67	20.54	-21.31	0.03	-21.78	21.35
mf412	34 45.57	98 25.31	1222.8	979617.99	20.52	-21.19	0.03	-21.66	21.46
mf413	34 45.54	98 25.31	1219.3	979618.34	20.58	-21.01	0.03	-21.48	21.64
mf414	34 45.51	98 25.31	1216.9	979618.68	20.73	-20.78	0.03	-21.24	21.87
mf415	34 45.47	98 25.31	1214.5	979619.03	20.92	-20.51	0.03	-20.97	22.13
mf416	34 45.44	98 25.31	1212.5	979619.38	21.12	-20.24	0.02	-20.71	22.39
mf417	34 45.41	98 25.31	1210.8	979619.76	21.38	-19.92	0.02	-20.39	22.70
mf418	34 45.38	98 25.31	1207.4	979620.21	21.55	-19.63	0.02	-20.10	22.99
mf419	34 45.35	98 25.31	1205.2	979620.58	21.75	-19.35	0.02	-19.82	23.26
mf420	34 45.31	98 25.31	1202.1	979621.01	21.95	-19.05	0.02	-19.52	23.55
mf421	34 45.28	98 25.32	1198.5	979621.38	22.03	-18.85	0.02	-19.32	23.75
mf422	34 45.25	98 25.32	1196.7	979621.64	22.16	-18.66	0.02	-19.13	23.93
mf423	34 45.22	98 25.32	1196.1	979621.84	22.35	-18.45	0.02	-18.92	24.14
mf424	34 45.19	98 25.32	1196.3	979621.99	22.55	-18.25	0.02	-18.71	24.34
mf425	34 46.15	98 25.32	1261.7	979614.75	20.12	-22.92	0.05	-23.38	19.85
mf426	34 46.22	98 25.32	1269.3	979614.63	20.61	-22.69	0.05	-23.15	20.09
mf427	34 46.31	98 25.32	1280.0	979614.19	21.05	-22.61	0.06	-23.07	20.19
mf428	34 46.38	98 25.32	1294.1	979613.70	21.78	-22.35	0.07	-22.81	20.46
mf429	34 46.49	98 25.32	1312.8	979612.84	22.53	-22.25	0.07	-22.71	20.58
mf430	34 46.60	98 25.31	1328.7	979611.88	22.91	-22.41	0.08	-22.87	20.44
mf431	34 45.09	98 25.32	1199.6	979622.08	23.10	-17.82	0.02	-18.29	24.74
mf432	34 45.02	98 25.32	1211.1	979621.68	23.88	-17.43	0.02	-17.90	25.12
mf433	34 44.93	98 25.33	1206.4	979622.26	24.14	-17.00	0.01	-17.49	25.51
mf434	34 44.85	98 25.33	1190.0	979623.61	24.07	-16.52	0.01	-17.00	25.99
mf435	34 45.57	98 25.33	1215.2	979622.36	24.17	-17.28	0.03	-17.74	25.39
mf436	34 44.32	98 25.34	1233.1	979621.47	26.72	-15.33	0.02	-15.81	27.07
mf437	34 49.14	98 29.50	1649.2	979597.26	34.84	-21.41	0.57	-21.48	23.00

Table 6.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
mf438	34 49.28	98 29.38	1723.5	979591.94	36.31	-22.47	0.90	-22.24	22.24
mf439	34 49.30	98 29.32	1732.1	979592.03	37.19	-21.89	0.79	-21.77	22.70
mf440	34 49.40	98 29.25	1624.1	979598.68	33.54	-21.86	0.72	-21.76	22.71
mf441	34 49.54	98 29.00	1561.6	979602.49	31.27	-21.99	0.23	-22.38	22.07
mf442	34 49.73	98 28.48	1544.8	979603.49	30.43	-22.26	0.21	-22.66	21.73
mf443	34 49.73	98 28.48	1506.4	979605.15	28.47	-22.91	0.18	-23.32	21.07
mf444	34 49.89	98 29.29	1682.0	979595.60	35.21	-22.16	0.48	-22.33	22.23
mf445	34 50.80	98 29.55	1822.0	979587.79	39.28	-22.86	1.26	-22.31	22.44
mf446	34 51.90	98 29.51	1593.0	979601.06	29.46	-24.87	0.35	-25.15	19.74
mf447	34 52.53	98 29.26	1482.0	979606.29	23.36	-27.18	0.18	-27.59	17.35
mf448	34 53.04	98 28.52	1441.0	979606.56	19.05	-30.09	0.12	-30.55	14.33
mf449	34 53.89	98 28.77	1428.0	979606.49	16.56	-32.14	0.10	-32.61	12.42

Table 7.- Principal facts for 397 regional gravity stations established by the USGS  
in south central Oklahoma

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
blwpo	34 36.18	98 23.69	1109.0	979622.83	27.89	-9.94	-0.03	-10.42	30.63
blwtn	34 43.47	98 23.69	1150.5	979621.78	20.47	-18.77	0.00	-19.24	23.33
ok1	34 44.34	98 22.17	1215.0	979610.99	14.52	-26.92	0.03	-27.39	15.11
ok2	34 46.07	98 21.10	1235.0	979604.97	7.93	-34.19	0.02	-34.67	7.98
ok3	34 46.94	98 16.96	1265.0	979585.60	-9.84	-52.99	0.03	-53.47	-11.31
ok4	34 48.68	98 17.94	1319.0	979581.83	-10.99	-55.97	0.05	-56.46	-13.87
ok5	34 50.42	98 20.05	1254.0	979589.94	-11.45	-54.22	0.02	-54.71	-11.53
ok6	34 52.17	98 20.32	1293.0	979585.30	-14.89	-58.99	0.03	-59.48	-16.00
ok7	34 47.46	98 20.05	1235.0	979597.73	-1.27	-43.39	0.02	-43.87	-1.15
ok8	34 48.67	98 40.03	1590.0	979624.31	56.99	2.76	0.23	2.36	48.62
ok9	34 49.54	98 41.09	1681.0	979619.78	59.79	2.46	0.22	2.02	48.58
ok10	34 50.87	98 41.62	1738.0	979614.35	57.84	-1.43	0.25	-1.86	45.00
ok11	34 52.20	98 40.87	1718.0	979609.75	49.48	-9.11	0.26	-9.52	37.41
ok12	34 52.64	98 41.38	1701.0	979610.49	48.00	-10.01	0.28	-10.40	36.67
ok13	34 52.20	98 42.46	1624.0	979616.20	47.09	-8.30	0.19	-8.75	38.41
ok14	34 51.98	98 43.53	1637.0	979618.73	51.16	-4.68	0.26	-5.06	42.22
ok15	34 53.07	98 43.53	1576.0	979619.73	44.88	-8.87	0.13	-9.36	38.07
ok16	34 53.07	98 42.46	1636.0	979615.55	46.34	-9.46	0.17	-9.93	37.35
ok17	34 53.94	98 41.40	1625.0	979615.15	43.67	-11.75	0.18	-12.21	35.03
ok18	34 53.93	98 40.07	1664.0	979612.28	44.49	-12.27	0.21	-12.71	34.33
ok19	34 54.79	98 38.72	1659.0	979610.37	40.90	-15.69	0.20	-16.14	30.79
ok20	34 55.68	98 40.34	1588.0	979616.00	38.59	-15.57	0.15	-16.05	31.23
ok21	34 55.68	98 41.40	1537.0	979618.79	36.59	-15.84	0.10	-16.35	31.09
ok22	34 54.82	98 41.41	1576.0	979617.50	40.17	-13.58	0.12	-14.08	33.26
ok23	34 54.81	98 42.47	1558.0	979620.08	41.08	-12.06	0.12	-12.56	34.94
ok24	34 55.68	98 42.46	1522.0	979620.50	36.89	-15.03	0.08	-15.55	32.05
ok25	34 55.68	98 43.52	1499.0	979623.40	37.62	-13.50	0.09	-14.01	33.74
ok26	34 54.81	98 44.05	1544.0	979621.15	40.83	-11.83	0.11	-12.33	35.39
ok27	34 53.95	98 44.60	1581.0	979620.19	44.57	-9.35	0.11	-9.87	37.83

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok28	34 53.92	98 25.60	1333.0	979598.34	-0.57	-46.03	0.04	-46.53	-1.92
ok29	34 54.78	98 28.78	1432.0	979603.11	12.29	-36.55	0.08	-37.04	8.22
ok30	34 56.52	98 31.94	1464.0	979608.65	18.39	-31.54	0.09	-32.03	13.98
ok31	34 55.66	98 36.13	1515.0	979615.00	30.75	-20.92	0.12	-21.40	25.21
ok32	34 53.93	98 36.13	1621.0	979609.51	37.67	-17.61	0.19	-18.06	28.36
ok33	34 53.05	98 34.66	1669.2	979604.70	38.64	-18.29	0.22	-18.73	27.33
ok34	34 52.17	98 32.95	1659.0	979602.72	36.95	-19.63	0.22	-20.06	25.60
ok35	34 56.54	98 38.23	1593.0	979612.28	34.12	-20.21	0.14	-20.70	26.35
ok36	34 57.42	98 40.36	1596.0	979614.40	35.28	-19.15	0.34	-19.44	28.03
ok37	34 59.17	98 42.49	1457.0	979624.62	29.95	-19.74	0.03	-20.29	27.69
ok38	34 59.17	98 44.60	1464.0	979625.54	31.53	-18.40	0.03	-18.95	29.35
ok39	34 58.30	98 46.71	1436.0	979628.02	32.60	-16.37	0.02	-16.93	31.58
ok40	34 59.17	98 49.87	1406.0	979630.16	30.70	-17.26	-0.01	-17.83	31.25
ok41	34 58.30	98 49.87	1412.0	979630.15	32.48	-15.68	0.00	-16.25	32.72
ok42	34 56.56	98 49.87	1466.0	979626.76	36.63	-13.37	0.04	-13.92	34.84
ok43	34 55.68	98 49.87	1466.0	979627.82	38.94	-11.06	0.03	-11.62	37.02
ok44	34 54.81	98 49.87	1485.0	979625.90	40.03	-10.62	0.04	-11.17	37.35
ok45	34 53.94	98 49.87	1532.0	979629.75	49.53	-2.72	0.07	-3.26	45.15
ok46	34 53.08	98 49.87	1586.0	979635.03	61.10	7.01	0.12	6.51	54.79
ok47	34 52.20	98 49.87	1603.0	979637.44	66.36	11.68	0.18	11.23	59.38
ok48	34 51.33	98 49.87	1602.0	979641.50	71.56	16.92	0.24	16.53	64.55
ok49	34 50.50	98 49.55	1606.0	979642.87	74.48	19.70	0.26	19.33	67.17
ok50	34 49.63	98 49.55	1628.0	979639.37	74.27	18.74	0.20	18.30	66.00
ok51	34 47.88	98 49.56	1635.0	979631.82	69.85	14.08	0.18	13.62	61.01
ok52	34 47.01	98 49.56	1624.0	979627.98	66.20	10.81	0.16	10.33	57.55
ok53	34 46.13	98 48.51	1630.0	979626.98	67.01	11.41	0.19	10.96	57.89
ok54	34 45.24	98 48.51	1601.0	979625.49	64.05	9.44	0.16	8.97	55.72
ok55	34 44.38	98 48.48	1590.6	979623.31	62.10	7.85	0.15	7.37	53.93
ok56	34 45.24	98 46.91	1682.0	979618.09	64.26	6.90	0.28	6.52	53.07

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok57	34 44.52	98 43.90	1772.7	979604.67	60.39	-0.07	0.33	-0.43	45.58
ok58	34 42.97	98 40.45	1623.0	979605.08	48.91	-6.45	0.39	-6.69	38.50
ok59	34 43.47	98 42.34	1617.0	979608.72	51.28	-3.87	0.34	-4.17	41.40
ok60	34 41.82	98 44.42	1445.0	979611.76	40.47	-8.81	0.24	-9.15	36.32
ok61	34 44.23	98 34.94	1660.0	979606.43	51.96	-4.66	0.29	-5.02	39.59
ok62	34 44.66	98 31.88	2465.3	979549.08	69.74	-14.35	9.58	-5.67	38.55
ok63	34 43.45	98 27.57	1277.0	979621.95	32.56	-11.00	0.06	-11.45	31.76
ok64	34 43.36	98 25.33	1233.0	979623.49	30.09	-11.96	0.09	-12.37	30.45
ok65	34 49.98	98 41.64	1706.0	979618.95	60.69	2.51	0.23	2.07	48.79
ok66	34 50.45	98 44.24	1777.0	979616.89	64.65	4.04	0.25	3.60	50.75
ok67	34 51.32	98 44.38	1704.4	979619.93	59.62	1.49	0.35	1.18	48.49
ok68	34 53.09	98 44.59	1598.1	979619.69	46.89	-7.62	0.13	-8.12	39.46
ok69	34 54.81	98 46.71	1509.0	979622.87	39.26	-12.21	0.07	-12.74	35.35
ok70	34 55.68	98 46.71	1473.0	979624.76	36.54	-13.70	0.06	-14.23	33.97
ok71	34 56.56	98 46.71	1468.0	979626.12	36.18	-13.89	0.05	-14.43	33.88
ok72	34 56.55	98 45.65	1476.0	979626.25	37.07	-13.27	0.07	-13.79	34.37
ok73	34 57.43	98 45.65	1448.0	979627.46	34.41	-14.98	0.03	-15.53	32.73
ok74	34 57.43	98 46.71	1451.0	979626.98	34.21	-15.28	0.03	-15.83	32.58
ok75	34 53.94	98 45.64	1548.0	979624.05	45.33	-7.47	0.09	-7.99	39.85
ok76	35 24.48	99 14.41	1827.0	979583.65	-12.13	-74.45	0.07	-75.08	-16.13
ok77	35 23.58	99 14.43	1873.0	979579.94	-10.24	-74.12	0.09	-74.75	-15.93
ok78	35 21.84	99 14.43	1947.0	979572.27	-8.48	-74.89	0.13	-75.50	-16.98
ok79	35 21.14	99 14.42	1950.1	979571.16	-8.30	-74.81	0.13	-75.43	-17.03
ok80	35 20.11	99 14.45	1941.0	979570.23	-8.62	-74.82	0.13	-75.44	-17.21
ok81	35 18.35	99 14.43	1901.0	979570.52	-9.60	-74.43	0.12	-75.04	-17.15
ok82	35 17.48	99 14.43	1830.0	979574.36	-11.19	-73.61	0.08	-74.23	-16.50
ok83	35 16.61	99 14.43	1788.0	979576.56	-11.71	-72.69	0.06	-73.32	-15.76
ok84	35 15.74	99 14.43	1754.0	979578.24	-11.99	-71.81	0.05	-72.44	-15.06
ok85	35 14.87	99 13.36	1757.0	979577.82	-10.89	-70.82	0.06	-71.44	-14.52

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok86	35 13.99	99 13.38	1727.0	979579.38	-10.90	-69.81	0.04	-70.44	-13.69
ok87	35 13.13	99 13.37	1691.0	979581.53	-10.92	-68.59	0.03	-69.22	-12.65
ok88	35 12.26	99 13.38	1670.0	979583.27	-9.92	-66.88	0.02	-67.51	-11.12
ok89	35 11.36	99 13.15	1631.0	979586.28	-9.30	-64.92	0.01	-65.56	-9.42
ok90	35 10.49	99 13.15	1633.0	979587.56	-6.59	-62.29	0.01	-62.92	-6.96
ok91	35 09.62	99 13.15	1625.0	979589.96	-3.71	-59.14	0.00	-59.77	-4.00
ok92	35 08.75	99 12.09	1592.0	979593.98	-1.56	-55.86	-0.01	-56.50	-1.18
ok93	35 07.87	99 13.15	1630.0	979594.56	3.83	-51.76	0.01	-52.39	3.01
ok94	35 07.00	99 13.15	1629.0	979598.01	8.43	-47.13	0.01	-47.76	7.45
ok95	35 06.14	99 13.15	1652.0	979600.76	14.56	-41.79	0.03	-42.41	12.61
ok96	35 05.26	99 13.15	1589.0	979609.48	18.60	-35.59	-0.01	-36.23	18.60
ok97	35 04.37	99 13.17	1583.0	979614.19	24.01	-29.99	-0.01	-30.62	24.02
ok98	35 03.51	99 13.15	1598.0	979620.01	32.46	-22.05	0.00	-22.68	31.76
ok99	35 02.64	99 13.15	1653.0	979622.39	41.24	-15.14	0.04	-15.75	38.51
ok100	35 01.76	99 13.15	1667.0	979624.45	45.86	-11.00	0.04	-11.61	42.45
ok101	35 00.94	99 13.15	1623.0	979632.41	50.85	-4.51	0.02	-5.13	48.75
ok102	35 00.07	99 13.15	1587.0	979639.74	56.03	1.90	0.00	1.27	54.96
ok103	34 59.65	99 13.15	1572.0	979642.55	58.02	4.40	0.00	3.78	57.38
ok104	34 58.78	99 13.16	1560.0	979645.90	61.47	8.26	-0.01	7.63	61.05
ok105	34 58.34	99 13.16	1556.0	979646.61	62.43	9.36	-0.01	8.73	62.05
ok106	34 57.47	99 13.16	1545.0	979648.65	64.67	11.97	-0.01	11.35	64.49
ok107	34 56.59	99 13.16	1527.0	979649.44	65.01	12.92	-0.01	12.31	65.27
ok108	34 55.72	99 13.16	1513.0	979649.60	65.07	13.47	0.00	12.87	65.64
ok109	34 54.85	99 13.16	1501.0	979650.77	66.35	15.16	0.04	14.60	67.19
ok110	34 53.95	99 13.16	1484.5	979647.44	62.74	12.11	0.00	11.52	63.92
ok111	34 53.11	99 13.16	1487.0	979644.64	61.37	10.65	0.08	10.14	62.36
ok112	34 52.24	99 13.20	1503.0	979640.18	59.64	8.37	0.15	7.93	59.97
ok113	34 50.85	99 13.26	1481.0	979638.55	57.90	7.39	0.07	6.87	58.62
ok114	34 49.63	99 13.79	1446.0	979635.73	53.51	4.19	0.04	3.66	55.26

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok115	34 55.66	98 24.02	1299.0	979590.70	-13.86	-58.17	0.05	-58.64	-14.10
ok116	34 57.40	98 24.55	1358.0	979585.66	-15.82	-62.13	0.04	-62.64	-17.81
ok117	34 59.14	98 23.50	1392.0	979584.73	-16.01	-63.49	0.05	-64.00	-19.15
ok118	34 59.14	98 25.61	1375.0	979586.31	-16.03	-62.93	0.04	-63.44	-18.24
ok119	34 59.14	98 27.78	1438.0	979586.87	-9.55	-58.59	0.08	-59.08	-13.50
ok120	34 57.40	98 26.66	1324.0	979594.39	-10.28	-55.44	0.03	-55.95	-10.76
ok121	34 56.52	98 28.11	1332.0	979600.52	-2.15	-47.58	0.04	-48.08	-2.73
ok122	34 58.27	98 31.95	1402.0	979604.84	6.27	-41.54	0.04	-42.07	4.12
ok123	34 59.14	98 33.00	1407.0	979605.23	5.90	-42.09	0.04	-42.61	3.85
ok124	34 58.28	98 36.14	1477.0	979614.91	23.38	-26.99	0.08	-27.50	19.39
ok125	34 59.15	98 38.25	1444.0	979619.35	23.48	-25.77	0.06	-26.28	21.04
ok126	34 55.69	98 48.11	1482.0	979625.59	38.20	-12.35	0.05	-12.89	35.51
ok127	34 55.69	98 48.82	1478.0	979626.46	38.69	-11.72	0.04	-12.27	36.23
ok128	34 54.82	98 48.82	1512.0	979624.32	40.98	-10.59	0.06	-11.13	37.25
ok129	34 53.08	98 48.82	1591.0	979630.80	57.35	3.08	0.14	2.60	50.75
ok130	34 52.21	98 48.44	1656.0	979629.99	63.88	7.39	0.36	7.11	55.08
ok131	34 51.33	98 47.23	1669.0	979629.66	66.02	9.09	0.26	8.70	56.39
ok132	34 51.00	98 46.62	1717.6	979625.99	67.38	8.80	0.23	8.36	55.92
ok133	34 43.50	98 48.51	1557.0	979623.40	60.27	7.17	0.13	6.68	53.05
ok134	34 40.88	98 49.55	1437.0	979627.21	56.49	7.48	0.06	6.97	52.88
ok135	34 42.62	98 48.51	1526.0	979622.05	57.25	5.20	0.11	4.71	50.89
ok136	34 40.01	98 49.55	1407.0	979626.37	54.06	6.07	0.04	5.54	51.24
ok137	34 39.15	98 49.55	1354.0	979625.88	49.79	3.61	0.02	3.09	48.59
ok138	34 38.27	98 49.55	1363.0	979623.11	49.11	2.62	0.02	2.10	47.39
ok139	34 36.54	98 49.55	1316.0	979623.54	47.56	2.67	0.01	2.15	47.03
ok140	35 00.03	98 50.91	1371.1	979632.60	28.64	-18.13	-0.01	-18.69	30.66
ok141	35 00.90	98 50.95	1378.0	979631.54	26.99	-20.01	-0.02	-20.58	28.90
ok142	35 01.76	98 50.95	1381.0	979630.30	24.81	-22.29	-0.02	-22.86	26.74
ok143	35 02.63	98 50.95	1391.0	979630.81	25.04	-22.40	-0.02	-22.98	26.75



Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok144	35 03.50	98 50.95	1415.0	979627.96	23.21	-25.05	-0.01	-25.63	24.22
ok145	35 04.37	98 52.00	1432.0	979623.17	18.78	-30.06	-0.01	-30.64	19.52
ok146	35 05.25	98 52.00	1416.0	979620.23	13.10	-35.20	-0.01	-35.77	14.52
ok147	35 06.12	98 52.00	1449.0	979614.67	9.41	-40.01	0.00	-40.59	9.84
ok148	35 07.00	98 50.94	1457.0	979609.09	3.33	-46.37	0.00	-46.95	3.42
ok149	35 07.95	98 50.73	1481.0	979605.47	0.62	-49.89	0.05	-50.43	0.05
ok150	35 08.79	98 50.73	1416.0	979609.33	-2.82	-51.12	0.00	-51.69	-1.08
ok151	35 09.66	98 50.73	1524.0	979602.71	-0.52	-52.50	0.04	-53.07	-2.32
ok152	35 10.53	98 50.73	1537.0	979602.77	-0.47	-52.90	0.07	-53.44	-2.56
ok153	35 11.44	98 50.73	1519.0	979605.76	-0.47	-52.28	0.02	-52.86	-1.84
ok154	35 12.26	98 49.93	1502.0	979608.71	-0.28	-51.51	0.04	-52.06	-1.06
ok155	35 13.13	98 50.07	1501.0	979610.84	0.52	-50.67	0.01	-51.26	-0.10
ok156	35 14.01	98 50.07	1520.0	979611.63	1.85	-49.99	0.02	-50.58	0.72
ok157	35 14.88	98 50.07	1437.0	979618.57	-0.25	-49.26	-0.01	-49.85	1.59
ok158	35 15.73	98 50.07	1387.0	979623.58	-1.15	-48.45	0.06	-48.95	2.62
ok159	35 16.61	98 50.07	1429.0	979622.68	0.65	-48.09	-0.02	-48.68	3.03
ok160	35 19.22	98 50.07	1521.0	979622.81	5.72	-46.15	0.03	-46.73	5.40
ok161	35 20.09	98 50.07	1477.0	979627.26	4.80	-45.57	-0.01	-46.17	6.09
ok162	35 21.87	98 50.07	1486.8	979629.66	5.59	-45.12	0.00	-45.71	6.83
ok163	35 23.57	98 50.06	1544.0	979628.00	6.89	-45.77	0.02	-46.36	6.45
ok164	35 25.31	98 51.13	1524.0	979630.35	4.89	-47.09	0.01	-47.68	5.60
ok165	35 27.04	98 51.13	1590.0	979626.78	5.06	-49.17	0.11	-49.68	3.87
ok166	35 28.78	98 50.07	1677.0	979622.39	6.37	-50.82	0.09	-51.39	2.22
ok167	35 30.50	98 50.05	1651.0	979624.09	3.18	-53.13	0.08	-53.70	0.16
ok168	35 32.70	98 50.06	1678.0	979624.07	2.57	-54.66	0.07	-55.25	-1.07
ok169	35 34.84	98 50.66	1767.0	979620.32	4.13	-56.13	0.11	-56.71	-2.11
ok170	35 36.57	98 50.66	1780.0	979621.88	4.45	-56.26	0.10	-56.85	-2.01
ok171	35 38.31	98 50.67	1774.0	979625.02	4.55	-55.96	0.09	-56.56	-1.49
ok172	35 41.13	98 50.66	1702.6	979632.75	1.54	-56.53	0.06	-57.14	-1.72

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok173	34 40.87	98 37.93	1396.0	979609.49	34.93	-12.68	0.20	-13.04	31.15
ok174	34 41.28	98 40.54	1473.0	979606.42	38.52	-11.72	0.26	-12.04	32.63
ok175	34 41.72	98 42.25	1500.0	979602.04	36.06	-15.10	0.23	-15.47	29.55
ok176	34 44.49	98 36.55	1671.0	979608.34	54.53	-2.46	0.42	-2.69	42.09
ok177	34 44.73	98 38.08	1800.0	979601.42	59.41	-1.98	0.49	-2.19	42.88
ok178	34 45.39	98 41.16	1795.0	979604.85	61.44	0.22	0.55	0.07	45.74
ok179	34 46.21	98 40.89	2024.0	979594.02	70.99	1.96	1.15	2.34	48.14
ok180	34 44.15	98 40.81	1595.0	979617.22	56.75	2.35	0.39	2.11	47.47
ok181	34 46.05	98 44.38	1985.0	979597.65	71.18	3.48	1.12	3.84	50.10
ok182	34 47.27	98 43.68	1909.0	979604.48	69.13	4.02	0.51	3.80	50.19
ok183	34 48.43	98 43.37	1906.0	979608.36	71.10	6.09	0.43	5.79	52.35
ok184	34 49.66	98 43.78	1857.0	979611.69	68.08	4.74	0.41	4.44	51.26
ok185	34 48.85	98 47.26	1888.0	979619.07	79.52	15.13	0.46	14.86	62.01
ok186	34 47.65	98 46.87	2011.0	979603.85	77.57	8.98	1.55	9.76	56.64
ok187	34 47.13	98 45.47	2024.0	979598.20	73.88	4.84	0.78	4.85	51.45
ok188	34 43.18	98 38.40	1482.0	979615.69	45.96	-4.59	0.32	-4.86	39.93
ok189	34 48.04	98 39.46	1571.5	979625.54	57.37	3.77	0.28	3.43	49.36
ok190	34 47.92	98 38.97	1537.0	979626.14	54.90	2.47	0.31	2.18	48.01
ok191	34 39.14	98 39.00	1271.0	979616.85	32.97	-10.38	0.05	-10.84	33.09
ok192	34 38.28	98 41.12	1349.0	979612.03	36.70	-9.31	0.05	-9.80	34.23
ok193	34 40.01	98 39.00	1305.0	979615.79	33.88	-10.63	0.09	-11.06	33.08
ok194	34 39.13	98 36.59	1286.0	979611.72	29.27	-14.59	0.13	-14.98	28.58
ok195	34 40.69	98 36.35	1370.0	979609.33	32.58	-14.15	0.86	-13.84	30.06
ok196	34 39.13	98 34.80	1299.0	979610.63	29.40	-14.90	0.12	-15.31	27.98
ok197	34 39.11	98 32.71	1303.0	979611.08	30.25	-14.19	0.09	-14.63	28.32
ok198	34 40.67	98 32.71	1341.0	979614.83	35.38	-10.36	0.14	-10.76	32.56
ok199	34 41.74	98 32.71	1378.0	979616.17	38.69	-8.31	0.15	-8.71	34.85
ok200	34 43.20	98 30.87	1383.0	979617.42	38.35	-8.82	0.13	-9.24	34.34
ok201	34 43.14	98 31.80	1383.0	979618.01	39.03	-8.14	0.26	-8.44	35.28

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok202	34 39.12	98 31.66	1305.0	979611.96	31.31	-13.20	0.06	-13.67	29.12
ok203	34 39.13	98 29.51	1263.0	979615.61	30.99	-12.08	0.07	-12.52	29.93
ok204	34 38.99	98 28.46	1252.0	979616.69	31.24	-11.47	0.07	-11.90	30.35
ok205	34 39.19	98 26.75	1161.0	979619.30	25.01	-14.59	0.00	-15.07	26.95
ok206	34 42.25	98 26.98	1239.0	979621.24	29.97	-12.29	0.04	-12.75	29.97
ok207	34 42.69	98 27.46	1233.0	979622.82	30.37	-11.69	0.07	-12.12	30.77
ok208	34 41.19	98 26.81	1197.0	979621.88	28.15	-12.67	0.01	-13.15	29.32
ok209	34 41.24	98 24.25	1167.0	979620.25	23.63	-16.17	-0.01	-16.66	25.42
ok210	34 42.57	98 24.28	1212.0	979618.77	24.51	-16.83	0.03	-17.29	25.06
ok211	34 39.82	98 23.48	1119.0	979620.03	20.89	-17.27	-0.02	-17.75	23.91
ok212	34 40.23	98 22.36	1114.0	979618.56	18.38	-19.62	-0.02	-20.09	21.48
ok213	34 42.07	98 22.17	1145.0	979618.33	18.47	-20.58	-0.02	-21.07	20.85
ok214	34 42.71	98 21.41	1208.3	979612.68	17.87	-23.34	0.01	-23.82	18.13
ok215	34 41.70	98 20.52	1311.0	979605.09	21.36	-23.35	0.19	-23.69	17.92
ok216	34 41.28	98 18.00	1282.0	979602.86	17.00	-26.73	0.07	-27.17	14.00
ok217	34 41.98	98 17.63	1255.0	979601.28	11.90	-30.91	0.05	-31.37	9.88
ok218	34 39.11	98 16.95	1234.0	979605.58	18.26	-23.83	0.03	-24.30	16.31
ok219	34 39.03	98 20.87	1202.0	979612.03	21.82	-19.18	0.04	-19.63	21.49
ok220	34 46.95	98 14.84	1289.0	979580.23	-12.97	-56.93	0.04	-57.42	-15.70
ok221	34 45.20	98 12.75	1262.0	979580.54	-12.73	-55.77	0.05	-56.24	-15.09
ok222	34 45.20	98 10.47	1273.0	979579.22	-13.02	-56.44	0.06	-56.89	-16.03
ok223	34 45.23	98 03.88	1400.0	979577.49	-2.84	-50.59	0.16	-50.99	-10.94
ok224	34 43.47	98 02.20	1308.0	979582.64	-3.86	-48.47	0.08	-48.92	-9.31
ok225	34 46.95	98 06.37	1321.0	979582.59	-7.60	-52.66	0.08	-53.11	-12.52
ok226	34 48.70	98 02.19	1242.0	979600.04	-0.05	-42.41	0.09	-42.83	-2.55
ok227	34 51.27	98 02.18	1212.0	979608.94	2.40	-38.94	0.05	-39.38	1.18
ok228	34 48.69	98 06.37	1285.0	979589.06	-6.97	-50.80	0.08	-51.24	-10.41
ok229	34 50.41	98 08.95	1231.0	979591.54	-12.00	-53.98	0.03	-54.45	-13.06
ok230	34 50.42	98 12.73	1384.0	979576.97	-12.20	-59.40	0.10	-59.85	-17.92

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok231	34 53.02	98 10.51	1363.0	979586.87	-7.94	-54.43	0.10	-54.88	-12.95
ok232	34 53.04	98 04.48	1400.0	979596.02	4.66	-43.09	0.21	-43.44	-2.37
ok233	34 54.75	98 01.36	1201.0	979619.89	7.40	-33.57	0.02	-34.04	6.75
ok234	34 55.63	98 03.46	1175.0	979619.34	3.16	-36.92	0.03	-37.37	3.80
ok235	34 58.24	98 04.50	1220.0	979620.14	4.50	-37.11	0.06	-37.55	4.02
ok236	34 50.91	98 34.36	2042.0	979580.84	52.87	-16.78	1.32	-16.23	29.35
ok237	34 51.05	98 34.69	2071.0	979579.56	54.11	-16.52	1.48	-15.82	29.84
ok238	34 51.22	98 34.87	2042.0	979582.10	53.68	-15.96	1.10	-15.64	30.07
ok239	34 50.90	98 33.54	1956.0	979585.61	49.56	-17.15	0.97	-16.93	28.51
ok240	34 51.17	98 33.39	1912.0	979588.64	48.08	-17.13	0.95	-16.92	28.53
ok241	34 50.58	98 33.46	2028.0	979580.77	51.94	-17.23	1.46	-16.54	28.83
ok242	34 48.51	98 32.37	1598.0	979608.65	42.31	-12.20	0.56	-12.27	32.59
ok243	34 52.06	98 31.97	1900.0	979586.24	43.29	-21.51	1.09	-21.15	24.19
ok244	34 53.93	98 32.72	1779.0	979594.38	37.40	-23.27	0.64	-23.32	22.39
ok245	34 57.40	98 36.14	1521.0	979613.22	27.07	-24.80	0.10	-25.31	21.35
ok246	34 58.27	98 37.19	1493.0	979616.72	26.71	-24.21	0.10	-24.70	22.21
ok247	34 59.14	98 36.15	1441.0	979614.63	18.50	-30.65	0.05	-31.17	15.66
ok248	34 59.15	98 39.32	1437.0	979620.36	23.84	-25.18	0.05	-25.70	21.64
ok249	34 58.25	98 38.24	1530.0	979615.13	28.62	-23.56	0.25	-23.91	23.17
ok250	34 56.53	98 39.29	1583.0	979614.33	35.25	-18.74	0.16	-19.21	27.86
ok251	34 55.65	98 38.22	1613.0	979611.27	36.25	-18.76	0.17	-19.23	27.58
ok252	34 46.73	98 36.64	1492.0	979626.40	52.60	1.72	0.29	1.41	46.65
ok253	34 43.96	98 27.54	1295.0	979621.75	33.33	-10.84	0.05	-11.31	31.86
ok254	34 44.29	98 26.99	1241.0	979624.90	30.94	-11.38	0.03	-11.86	31.28
ok255	34 45.33	98 27.42	1286.0	979622.05	30.86	-13.01	0.04	-13.49	29.93
ok256	34 46.46	98 25.37	1348.0	979610.50	23.54	-22.43	0.20	-22.77	20.51
ok257	34 59.11	98 17.16	1288.0	979595.27	-15.21	-59.14	0.05	-59.61	-15.97
ok258	34 58.23	98 11.88	1314.0	979600.26	-6.53	-51.34	0.08	-51.79	-9.08
ok259	34 56.51	98 15.05	1432.0	979583.85	-9.41	-58.25	0.10	-58.72	-15.69

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok260	34 54.78	98 15.04	1376.0	979583.83	-12.25	-59.18	0.08	-59.66	-16.83
ok261	34 54.77	98 17.17	1447.0	979578.39	-11.00	-60.35	0.11	-60.82	-17.66
ok262	34 55.64	98 17.17	1471.0	979578.24	-10.12	-60.29	0.14	-60.73	-17.47
ok263	34 57.38	98 18.22	1385.0	979585.86	-13.05	-60.28	0.06	-60.78	-17.15
ok264	34 54.77	98 19.26	1353.0	979584.30	-13.93	-60.08	0.05	-60.57	-17.07
ok265	34 53.88	98 19.94	1355.0	979583.15	-13.63	-59.85	0.07	-60.32	-16.82
ok266	34 53.03	98 17.16	1319.0	979583.85	-15.12	-60.10	0.07	-60.56	-17.62
ok267	34 52.45	98 21.91	1242.0	979595.25	-10.14	-52.50	0.01	-52.99	-9.35
ok268	34 49.24	98 32.49	1772.0	979595.94	44.93	-15.51	1.14	-15.05	29.95
ok269	34 57.41	98 42.47	1507.0	979623.31	35.83	-15.57	0.07	-16.10	31.55
ok270	34 57.40	98 41.41	1485.0	979622.78	33.25	-17.40	0.07	-17.92	29.57
ok271	34 58.28	98 41.41	1483.0	979622.33	31.37	-19.21	0.06	-19.74	27.84
ok272	34 58.28	98 42.47	1478.0	979623.99	32.55	-17.85	0.05	-18.39	29.35
ok273	34 58.28	98 43.53	1464.0	979626.32	33.57	-16.36	0.03	-16.92	30.98
ok274	34 59.15	98 43.54	1454.0	979626.52	31.59	-18.00	0.03	-18.55	29.44
ok275	35 00.03	98 43.55	1435.0	979625.65	27.70	-21.25	0.01	-21.81	26.28
ok276	35 00.47	98 46.72	1408.0	979627.40	26.28	-21.74	-0.01	-22.31	26.32
ok277	35 00.04	98 53.05	1411.0	979629.61	29.38	-18.74	-0.02	-19.33	30.21
ok278	35 00.91	98 56.20	1480.0	979624.76	29.79	-20.69	0.00	-21.28	28.90
ok279	35 00.04	98 59.37	1485.0	979626.63	33.36	-17.29	-0.01	-17.89	32.67
ok280	34 57.43	98 59.36	1533.0	979627.64	42.58	-9.70	0.03	-10.28	39.86
ok281	34 56.69	98 56.19	1456.0	979635.79	44.54	-5.12	0.00	-5.70	43.83
ok282	34 54.81	98 55.16	1516.0	979630.09	47.14	-4.57	0.04	-5.13	43.97
ok283	34 54.82	98 59.38	1534.0	979633.65	52.37	0.05	0.03	-0.52	49.19
ok284	34 51.33	98 57.96	1521.0	979632.88	55.32	3.44	0.04	2.88	51.78
ok285	34 49.60	98 54.84	1514.0	979638.30	62.52	10.88	0.05	10.33	58.53
ok286	34 49.60	98 52.73	1559.0	979637.67	66.12	12.95	0.08	12.41	60.35
ok287	34 47.84	98 53.50	1643.0	979620.31	59.15	3.11	0.21	2.67	50.38
ok288	34 47.86	98 56.91	1488.0	979627.28	51.51	0.76	0.10	0.27	48.40

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok289	34 44.35	98 57.76	1395.0	979629.64	50.08	2.50	0.01	1.95	49.47
ok290	34 44.34	98 55.84	1408.0	979625.59	47.27	-0.75	0.01	-1.31	45.98
ok291	34 44.34	98 53.78	1432.0	979622.28	46.21	-2.63	0.03	-3.17	43.87
ok292	34 46.13	98 51.67	1487.0	979626.35	52.93	2.21	0.07	1.69	48.86
ok293	34 42.63	98 51.66	1483.0	979619.10	50.24	-0.34	0.07	-0.86	45.57
ok294	34 43.48	98 47.43	1534.0	979622.17	56.91	4.59	0.15	4.13	50.23
ok295	34 41.75	98 46.39	1506.0	979615.32	49.86	-1.50	0.13	-1.97	43.61
ok296	34 40.87	98 45.33	1416.0	979614.58	41.90	-6.39	0.09	-6.87	38.37
ok297	34 40.01	98 47.65	1402.0	979622.78	50.00	2.18	0.05	1.67	47.00
ok298	34 38.14	98 47.44	1391.0	979617.86	46.68	-0.77	0.05	-1.27	43.59
ok299	34 38.62	98 51.66	1361.0	979630.91	56.23	9.81	0.01	9.27	54.78
ok300	34 40.87	98 51.66	1365.1	979630.92	53.45	6.89	0.02	6.37	52.40
ok301	34 40.01	98 53.75	1386.0	979631.13	56.84	9.57	0.02	9.03	55.12
ok302	34 41.73	98 53.77	1412.0	979627.82	53.56	5.40	0.02	4.85	51.33
ok303	34 39.99	98 55.85	1365.0	979632.24	56.01	9.45	0.00	8.90	55.24
ok304	34 40.00	98 59.81	1337.0	979630.68	51.80	6.20	-0.02	5.64	52.51
ok305	34 37.37	99 01.11	1318.0	979641.22	64.26	19.30	-0.03	18.74	65.24
ok306	34 35.63	99 01.10	1312.0	979632.50	57.42	12.68	-0.03	12.12	58.25
ok307	34 33.04	99 01.09	1367.0	979583.52	17.26	-29.37	0.00	-29.92	15.67
ok308	34 30.42	99 00.66	1296.0	979563.70	-5.55	-49.76	-0.02	-50.30	-5.31
ok309	34 30.43	98 56.45	1240.0	979584.17	9.63	-32.66	-0.04	-33.20	11.14
ok310	34 32.17	98 56.89	1292.0	979604.77	32.68	-11.39	-0.02	-11.93	32.83
ok311	34 32.16	98 53.75	1207.0	979621.94	41.87	0.70	-0.03	0.18	44.50
ok312	34 34.78	98 57.94	1370.0	979634.09	65.67	18.94	0.01	18.40	63.87
ok313	34 35.63	98 54.82	1326.0	979632.89	59.13	13.90	-0.01	13.36	58.59
ok314	34 36.50	98 51.64	1357.0	979626.42	54.35	8.07	0.07	7.59	52.61
ok315	34 33.90	98 51.64	1292.0	979627.03	52.50	8.44	-0.01	7.90	52.32
ok316	34 30.43	98 50.14	1229.0	979592.66	17.09	-24.83	-0.03	-25.36	18.07
ok317	34 30.43	98 47.03	1244.0	979591.45	17.29	-25.14	-0.02	-25.66	17.33

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok318	34 31.29	98 49.54	1222.0	979599.73	22.29	-19.39	-0.03	-19.91	23.63
ok319	34 33.04	98 49.55	1266.0	979613.65	37.89	-5.29	-0.02	-5.82	38.11
ok320	34 34.77	98 49.54	1324.0	979619.58	46.84	1.69	0.01	1.16	45.49
ok321	34 35.64	98 49.54	1318.0	979622.52	47.99	3.04	0.00	2.51	47.05
ok322	34 36.51	98 47.45	1333.0	979618.85	44.51	-0.96	0.01	-1.48	42.99
ok323	34 37.15	98 45.35	1344.0	979615.39	41.18	-4.66	0.03	-5.17	39.17
ok324	34 38.31	98 44.27	1355.0	979612.96	38.15	-8.06	0.04	-8.57	35.91
ok325	34 34.77	98 21.11	1104.0	979623.78	30.35	-7.30	-0.03	-7.79	32.47
ok326	34 34.77	98 19.02	1116.0	979621.84	29.54	-8.52	-0.02	-9.00	30.99
ok327	34 37.36	98 16.93	1256.0	979605.75	22.97	-19.87	0.07	-20.31	19.95
ok328	34 37.34	98 13.78	1166.0	979608.81	17.60	-22.17	0.01	-22.64	17.24
ok329	34 39.11	98 10.62	1105.0	979601.27	1.82	-35.87	-0.02	-36.34	3.50
ok330	34 42.58	98 13.78	1143.0	979592.97	-7.80	-46.78	-0.01	-47.26	-6.42
ok331	34 42.59	98 08.49	1181.0	979585.12	-12.09	-52.37	0.02	-52.83	-12.63
ok332	34 41.71	98 06.38	1224.0	979582.55	-9.37	-51.12	0.05	-51.57	-11.76
ok333	34 40.00	98 04.31	1269.0	979580.68	-4.60	-47.88	0.07	-48.32	-9.01
ok334	34 40.01	98 00.10	1266.0	979582.09	-3.48	-46.66	0.09	-47.09	-8.22
ok335	34 37.37	98 04.31	1266.0	979584.46	2.61	-40.57	0.13	-40.96	-2.08
ok336	34 35.63	98 01.15	1155.0	979589.67	-0.17	-39.57	0.03	-40.01	-1.74
ok337	34 30.41	98 01.04	1127.0	979605.09	19.96	-18.48	0.02	-18.92	18.44
ok338	34 32.15	98 03.27	1104.0	979608.00	18.26	-19.39	0.00	-19.85	18.02
ok339	34 33.90	98 05.33	1126.0	979605.85	15.71	-22.70	0.00	-23.16	15.21
ok340	34 30.42	98 08.35	1067.0	979632.02	41.23	4.84	-0.02	4.38	42.40
ok341	34 30.42	98 11.75	1080.0	979636.22	46.65	9.82	-0.02	9.35	47.70
ok342	34 33.02	98 13.75	1095.0	979625.21	33.40	-3.95	-0.02	-4.42	34.62
ok343	34 30.42	98 19.02	1065.0	979636.81	45.83	9.51	-0.04	9.03	48.15
ok344	34 31.29	98 22.16	1036.0	979635.61	40.68	5.34	-0.05	4.86	44.54
ok345	34 33.89	98 23.25	1051.0	979628.33	31.15	-4.70	-0.05	-5.18	35.18
ok346	34 33.04	98 26.37	1090.0	979629.12	36.80	-0.37	-0.04	-0.86	39.75

Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok347	34 32.22	98 29.51	1165.1	979624.45	40.35	0.62	-0.01	0.13	41.00
ok348	34 33.04	98 31.65	1171.0	979623.04	38.34	-1.60	-0.02	-2.09	39.27
ok349	34 33.04	98 37.95	1148.0	979624.34	37.48	-1.68	-0.03	-2.17	40.12
ok350	34 33.04	98 41.12	1198.0	979620.73	38.57	-2.29	-0.01	-2.79	39.96
ok351	34 30.45	98 39.01	1171.0	979606.73	25.68	-14.26	-0.03	-14.77	27.07
ok352	34 30.44	98 43.74	1243.0	979595.76	21.49	-20.90	0.00	-21.41	21.11
ok353	34 34.79	98 44.26	1235.0	979620.41	39.27	-2.85	-0.01	-3.36	40.26
ok354	34 35.65	98 41.11	1283.0	979615.61	37.78	-5.98	0.02	-6.48	36.90
ok355	34 37.39	98 39.00	1247.0	979617.23	33.57	-8.97	0.02	-9.45	34.05
ok356	34 35.65	98 35.84	1189.0	979617.97	31.29	-9.26	-0.01	-9.75	32.85
ok357	34 37.38	98 32.70	1260.0	979614.69	32.25	-10.72	0.03	-11.20	31.34
ok358	34 36.14	98 29.50	1213.0	979619.25	34.14	-7.23	0.01	-7.71	34.05
ok359	34 36.01	98 27.45	1151.9	979623.30	32.63	-6.66	-0.01	-7.14	34.28
ok360	34 46.09	99 02.14	1412.0	979623.69	43.28	-4.88	0.00	-5.45	43.07
ok361	34 47.40	99 02.14	1464.0	979625.47	48.10	-1.84	0.01	-2.41	46.37
ok362	34 43.47	99 02.14	1403.0	979626.24	48.67	0.82	0.00	0.26	48.23
ok363	35 01.74	98 43.55	1395.0	979624.61	20.47	-27.11	0.00	-27.67	20.62
ok364	35 03.48	98 43.56	1389.0	979620.92	13.76	-33.62	-0.01	-34.18	14.33
ok365	35 05.22	98 43.55	1367.0	979613.63	1.93	-44.70	-0.01	-45.26	3.47
ok400	34 48.73	99 12.72	1500.0	979623.51	47.65	-3.51	0.00	-4.11	46.94
ok401	34 47.86	99 13.25	1561.0	979611.26	42.36	-10.88	0.03	-11.47	39.50
ok402	34 46.99	99 13.77	1611.0	979603.92	40.95	-14.00	0.08	-14.55	36.33
ok403	34 46.11	99 13.77	1545.0	979601.83	33.89	-18.80	0.03	-19.38	31.31
ok404	34 45.27	99 13.77	1501.0	979593.76	22.87	-28.32	0.01	-28.91	21.59
ok405	34 44.37	99 13.77	1461.0	979590.49	17.11	-32.72	-0.01	-33.32	16.99
ok406	34 43.49	99 13.76	1436.0	979587.15	12.66	-36.32	-0.02	-36.91	13.20
ok407	34 42.61	99 13.75	1414.0	979582.64	7.32	-40.91	-0.03	-41.50	8.42
ok408	34 41.74	99 13.19	1384.0	979581.37	4.45	-42.75	-0.04	-43.34	6.28
ok409	34 40.87	99 13.71	1373.0	979576.65	-0.07	-46.90	-0.05	-47.50	2.03



Table 7.- Continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
ok410	34 40.00	99 13.75	1359.0	979573.57	-3.24	-49.59	-0.05	-50.19	-0.83
ok411	34 39.13	99 13.75	1344.0	979571.41	-5.59	-51.43	-0.06	-52.03	-2.86
ok412	34 38.27	99 13.75	1319.0	979568.27	-9.87	-54.85	-0.06	-55.45	-6.46
ok413	34 37.38	99 13.73	1312.1	979565.54	-12.00	-56.75	-0.07	-57.35	-8.54
ok414	34 36.51	99 13.74	1305.1	979563.14	-13.83	-58.34	-0.06	-58.93	-10.30
ok415	34 35.64	99 13.72	1293.7	979561.60	-15.21	-59.34	-0.06	-59.92	-11.46
ok416	34 34.77	99 13.73	1287.6	979560.01	-16.15	-60.07	-0.06	-60.65	-12.36
ok417	34 33.90	99 13.71	1288.5	979557.14	-17.72	-61.66	-0.06	-62.25	-14.13
ok418	34 32.95	99 13.72	1280.8	979554.59	-19.65	-63.34	-0.06	-63.92	-15.98
ok419	34 32.10	99 13.71	1301.6	979550.00	-21.08	-65.48	-0.06	-66.06	-18.28
ok420	34 31.30	99 13.71	1271.9	979549.62	-23.13	-66.51	-0.06	-67.09	-19.45
ok421	34 30.42	99 13.71	1256.2	979547.82	-25.18	-68.02	-0.06	-68.59	-21.11
ok422	34 29.60	99 14.21	1291.0	979541.70	-26.87	-70.90	-0.05	-71.47	-24.03
ok423	34 28.71	99 14.21	1275.0	979539.52	-29.30	-72.79	-0.07	-73.37	-26.07
ok424	34 27.86	99 14.20	1264.0	979537.06	-31.60	-74.71	-0.07	-75.29	-28.14
ok425	34 26.99	99 14.21	1265.0	979534.04	-33.31	-76.45	-0.07	-77.04	-30.03
ok426	34 26.11	99 14.74	1277.0	979529.76	-35.22	-78.78	-0.06	-79.36	-32.37
ok427	34 25.25	99 14.74	1272.0	979527.43	-36.81	-80.20	-0.06	-80.77	-33.91
ok428	34 24.38	99 14.75	1243.0	979526.84	-38.91	-81.31	-0.06	-81.87	-35.14
ok429	34 23.30	99 14.74	1227.0	979525.10	-40.63	-82.48	-0.07	-83.05	-36.48

#### Appendix D. Description of Data Format Used for Files on Diskette

File 1. (OKREOC.ASC) Other gravity stations occupied by the U.S.G.S. in south-central Oklahoma.

File 2. (OKWMM.ASC) Gilbert and Robinson gravity data in the Wichita Mountains, Oklahoma.

File 3. (ANAMS.ASC) University of Oklahoma masters theses gravity data in Oklahoma.

File 4. (KS.ASC) U.S.G.S. gravity data in southern Kansas.

File 5. (MF.ASC) U.S.G.S. gravity data for five profiles across the Meers Fault, Oklahoma.

File 6. (OK.ASC) U.S.G.S. regional gravity data in south-central Oklahoma.

The 5 1/4 in., double sided, double density (360k bytes) diskette is in IBM format and contains the above six files in an ASCII format different from Appendix C. The format is as follows:

Col 1 - 8	Station identification
Col 9 - 11	Latitude in degrees
Col 12 - 16	Latitude in decimal minutes to nearest hundreth
Col 17 - 20	Longitude in degrees, positive west
Col 21 - 25	Longitude in decimal minutes to nearest hundreth
Col 26 - 33	Elevation in feet to nearest tenth
Col 34 - 43	Observed gravity in milligals to nearest hundreth.
Col 44 - 50	Free air anomaly in milligals to nearest hundreth.
Col 51 - 58	Simple Bouguer anomaly in milligals to nearest hundreth, reduction density of 2.67 g/cm <sup>3</sup>
Col 59 - 64	Total terrain correction in milligals to nearest hundreth
Col 65 - 72	Complete Bouguer anomaly in milligals to nearest hundreth, reduction density of 2.67 g/cm <sup>3</sup>
Col 73 - 80	Isostatic residual anomaly in milligals to nearest hundreth.

Diskette