

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Principal facts for 1040 gravity stations in the Gillette and Sheridan
1X2 degree quadrangles, and Crow Indian Reservation

Wyoming, Montana, and South Dakota

by

Courteney Williamson¹ and S.L. Robbins¹

Open-file Report 91-287

1991

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

¹U.S. Geological Survey
Denver Federal Center
Box 25046, MS: 939
Denver, CO 80225

Table of Contents

	Page
Introduction.....	1
Data Collection.....	2
Elevation Control.....	2
Data Reduction.....	2
References.....	3

Appendices

Appendix	A. Base Station Descriptions.....	4
	B. Station Plots.....	15
	C. Principal Facts of Gravity Data.....	21
	D. Description of Data Format Used for Files on Diskette.....	59

Tables

Table	1. Principal Facts for 49 Gravity Stations in southern Montana.....	22
	2. Principal Facts for 736 Gravity Stations in the Sheridan, Wyoming 1 X 2 degree Quadrangle.....	24
	3. Principal Facts for 61 Gravity Stations from Jenkins (1986) Sheridan Quadrangle, Wyoming.....	49
	4. Principal Facts for 194 Gravity Stations in the Gillette 1 X 2 degree quadrangle, Wyoming and western South Dakota.....	52

Illustration

Figure	1. Plot of Gravity Stations in the Crow Indian Reservation, Montana	16
	2. Plot of Gravity Stations in the western half of the Sheridan Quadrangle, Wyoming	17
	3. Plot of Gravity Stations in the eastern half of the Sheridan Quadrangle, Wyoming	18
	4. Plot of Gravity Stations in the western half of the Gillette Quadrangle, Wyoming	19
	5. Plot of Gravity Stations in the eastern half of the Gillette Quadrangle, Wyoming and South Dakota	20

Principal facts for 1040 Gravity stations
in the Gillette and Sheridan 1X2 degree quadrangles, and Crow Indian
Reservation, Wyoming, Montana, and South Dakota

By Courteney Williamson and S. L. Robbins

Introduction

This report presents data collected by the U.S. Geological Survey (USGS) as part of a study of the evolution of sedimentary basins (ESB), Powder River basin, in northeastern Wyoming and southeastern Montana. During the summers of 1986-89, 979 new gravity stations were established in Sheridan, Johnson, Campbell, Crook, and Weston Counties, Wyoming; and Big Horn, and Powder River Counties, Montana, in an area bounded by latitude 44° and 45° 30' N. and longitude 104° and 108° 15' W. Most of the gravity data are on the Gillette, and Sheridan 1° X 2° topographic quadrangles. However, some stations were also occupied on the Billings, Ekalaka, and Hardin sheets. In addition, data collected by Jenkins (1986) in the Sheridan quadrangle are also presented.

The principal facts for these gravity stations are presented in appendix C. The stations are separated into four tables based on location:

Table 1--data for 49 gravity stations in southern Montana, including the HR stations within the Crow Indian Reservation and the three stations to the east.

Table 2--data for 736 stations in the Sheridan 1° X 2° quadrangle, Wyoming.

Table 3--data for Jenkins' 61 stations in the Sheridan 1° X 2° quadrangle, Wyoming.

Table 4--data for 194 stations in the Gillette 1° X 2° quadrangle, Wyoming and western South Dakota.

Data acquisition, base station descriptions, and station location plots are also presented. The data in this report are being used in the following publications: a) Complete Bouguer Anomaly Gravity Map of the Gillette 1° X 2° quadrangle, northeastern Wyoming (Robbins and Williamson, in press), b) Complete Bouguer Anomaly Gravity Map of the Sheridan 1° X 2° quadrangle, northern Wyoming (Robbins, in press), and c) Complete Bouguer Anomaly Gravity Map of the Buffalo 30' X 60' quadrangle, Johnson and Campbell Counties, Wyoming (Robbins, in press).

We thank Ken Real Bird, Director of the Department of Natural Resources, and Richard Real Bird, Chairman of the Crow Tribal Council, for permission to obtain gravity readings in the Crow Indian Reservation portion of the Bighorn Mountains.

Data Collection

Gravity observations were made using LaCoste-Romberg gravity meters nos. G161 and G614. The primary base station is at the airport in Sheridan, Wyoming and is the U.S. Defense Mapping Agency (DMA) (St. Louis, MO) base station no. 0510-3 (Jablonski, 1974) (see BSHER, p. 9) having a value of 980, 212.06 mGal. This value is based on the IGSN 1971 datum (Morelli, 1974). Nine secondary base stations were established and tied to the primary base by many repeated observations. Gravity meter drift was determined from the daily ties to the primary and secondary bases.

The Jenkins (1986) data were collected using a Worden gravity meter. However, six of his stations were tied to our base stations using meter G161. Two of these stations are now secondary bases (BDY12 and BBF16).

Elevation Control

Gravity station observations were made at or near bench marks, section corners with known elevations, and spot elevations on USGS 1:24,000-scale topographic maps. Map elevation contours are in 10, 20, or 40 ft intervals. Maps published prior to the mid-1960's had spot elevations printed in two colors; brown and black. Elevations printed in brown (photogrammetric) are accurate to within ± 0.25 times the contour interval, while black elevations (surveyed in) are accurate to within ± 0.05 (or ± 2 ft. or less for a 40-ft contour interval) times the contour interval. Maps published from the mid-1960's to the early 1980's had only black elevations and are accurate to within ± 0.25 times the contour interval. Maps published after the early 1980's and having "provisional" in the lower right hand corner are accurate to within ± 0.05 times the contour interval (up to ± 2 ft., depending on scale) if no letter follows the elevation, but only to within ± 0.25 times the contour interval if the elevation is followed by a letter designation. Bench marks are accurate to within ± 0.001 ft but are recorded here only to the nearest 0.1 ft.

Data Reduction

The observed gravity (O.G.) values of all of the data in this report are relative to the IGSN 1971 datum (see Data Collection section). The inner zone terrain effects or corrections (T.C.'s) out to a distance of 0.59 km from each station were determined manually using topographic maps and templates. 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 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) values found in tables 1 through 4. Using a 3-minute digital terrain file, the calculated CBA values, an assumed depth of compensation of 30 km below sea level, an assumed crustal density of 2.72 g/cm^3 , and an assumed density contrast of the crust-mantle interface of 0.35 g/cm^3 ,

the isostatic residual anomaly (IRA) values were calculated using the computer program AIRYROOT (Simpson and others, 1983) which is based on the isostatic model of Airy-Heiskanen.

The accuracies of all of the O.G. values that were determined from LaCoste and Romberg meter data are accurate to within ± 0.05 mgal, and the inner zone T.C.s are accurate to within ± 10 percent of the calculated values which in this data set is less than ± 0.43 mGal in the mountains. If the elevation used for a station is in error by 10 ft (a possibility for spot elevations printed in brown), the error introduced in the CBA value would be 0.6 mGal. Therefore, the maximum error in a CBA value, in this data set, could be as much as ± 1.08 mGal in the mountains. However, most errors are probably less than ± 0.20 mGal.

References

- Godson, R.H., and Plouff, Donald, 1988, BOUGUER version 1.0,
A microcomputer gravity-terrain-correction program:
U.S. Geological Survey Open-file Report 88-644A-B, 13 p.,
1 diskette.
- International Association of Geodesy, 1971, Geodetic reference system
1967: International Association of Geodesy Special Publication
no.3, 116 p.
- Jablonski, H.M., 1974, World relative gravity reference network - North
America, Parts 1 and 2: U.S. Defense Mapping Agency Aerospace
Center Reference Publication no. 25, originally published 1970,
revised 1974, approximately 1500 p.
- Jenkins, C.D., Jr., 1986, A preliminary tectonic analysis of the
northeastern margin of the Bighorn uplift; Buffalo to Dayton,
Wyoming: South Dakota School of Mines and Technology M.S.
thesis, 122 p., 3 plates.
- Morelli, C., ed., 1974, The international gravity standardization net
1971: International Association of Geodesy Special Publication
no. 4, 194 p.
- Robbins, S.L., in press, Complete Bouguer anomaly gravity map of the
Buffalo 30' X 60' quadrangle, Johnson and Campbell Counties,
Wyoming: U.S. Geological Survey Miscellaneous Investigations
Series Map I-1923B, scale 1:100,000.
- _____, in press, Complete Bouguer anomaly gravity map of the Sheridan 1°
X 2° quadrangle, northern Wyoming: Wyoming Geological Survey
Map Series 25-, scale 1:250,000.
- Robbins, S.L., and Williamson, Courteney, in press, Complete Bouguer
anomaly gravity map of the Gillette 1° X 2° quadrangle,
northeastern Wyoming: Wyoming Geological Survey Map Series 25-
, scale 1:250,000.

Simpson, R.W., Jachens, 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.

Appendix A. Base Station Descriptions

The following are descriptions of 10 gravity base stations to which all of the field stations in this report are tied. BSHER is the primary base with a observed gravity value of 980,212.06 mGal relative to the IGSN 1971 datum (Morelli, 1974). Stations BSH1, BBF16, BDY12, BFTT, BGLPO, BH243, BLG1, BSH1, BSHKL, and SH109 are secondary bases that all have multiple ties to BSHER with errors in the O.G. values relative to the primary base to less than ± 0.01 mGal.

GRAVITY BASE STATION # BSHER

CITY SHERIDAN

STATE WYOMING

LATITUDE $44^{\circ} 46.45' \text{ N.}$

LONGITUDE $106^{\circ} 58.20' \text{ W.}$

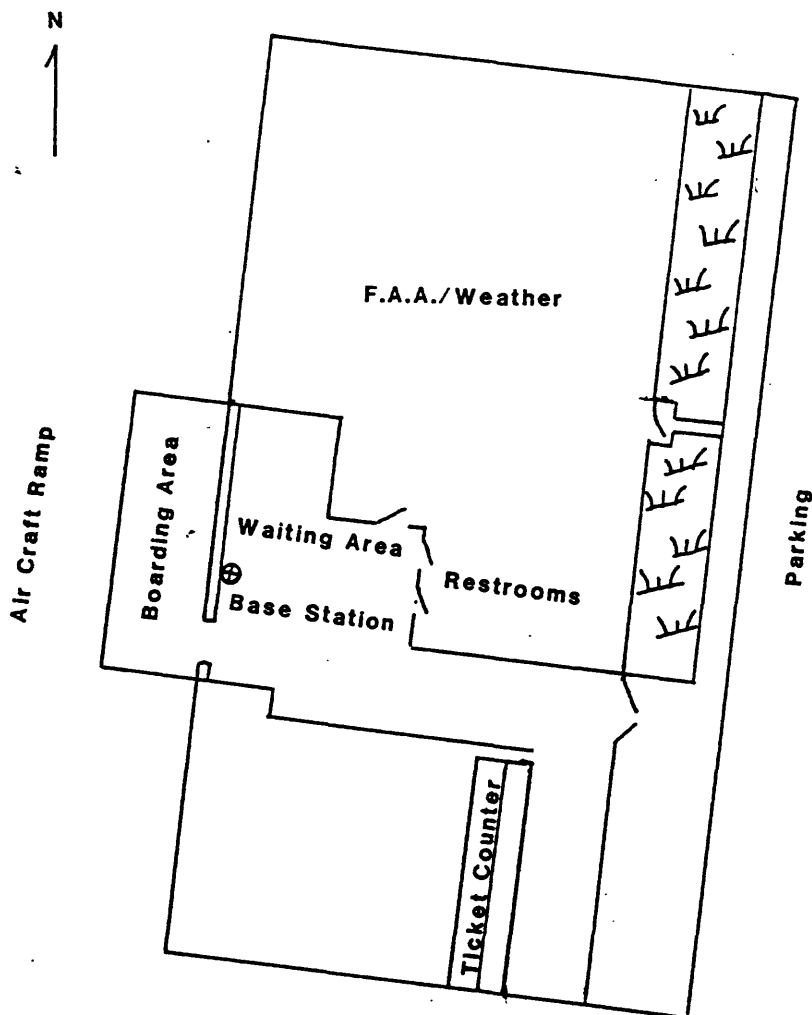
ELEVATION 4,021.0 ft (1,225.60 m)

OBSERVED
GRAVITY

980,212.06 mGal

SBA -146.18 mGal

LOCATION DESCRIPTION: This is DOD base station #0510-3. The station is at the Sheridan Municipal Airport, in the terminal, inside the waiting room, on the east side of and against the wall that separates the waiting area from the boarding area. The station is monumented with a "Gravity Calibration" disc.



GRAVITY BASE STATION # BBF16

CITY BUFFALO

STATE WYOMING

LATITUDE $44^{\circ} 20.69' \text{ N.}$

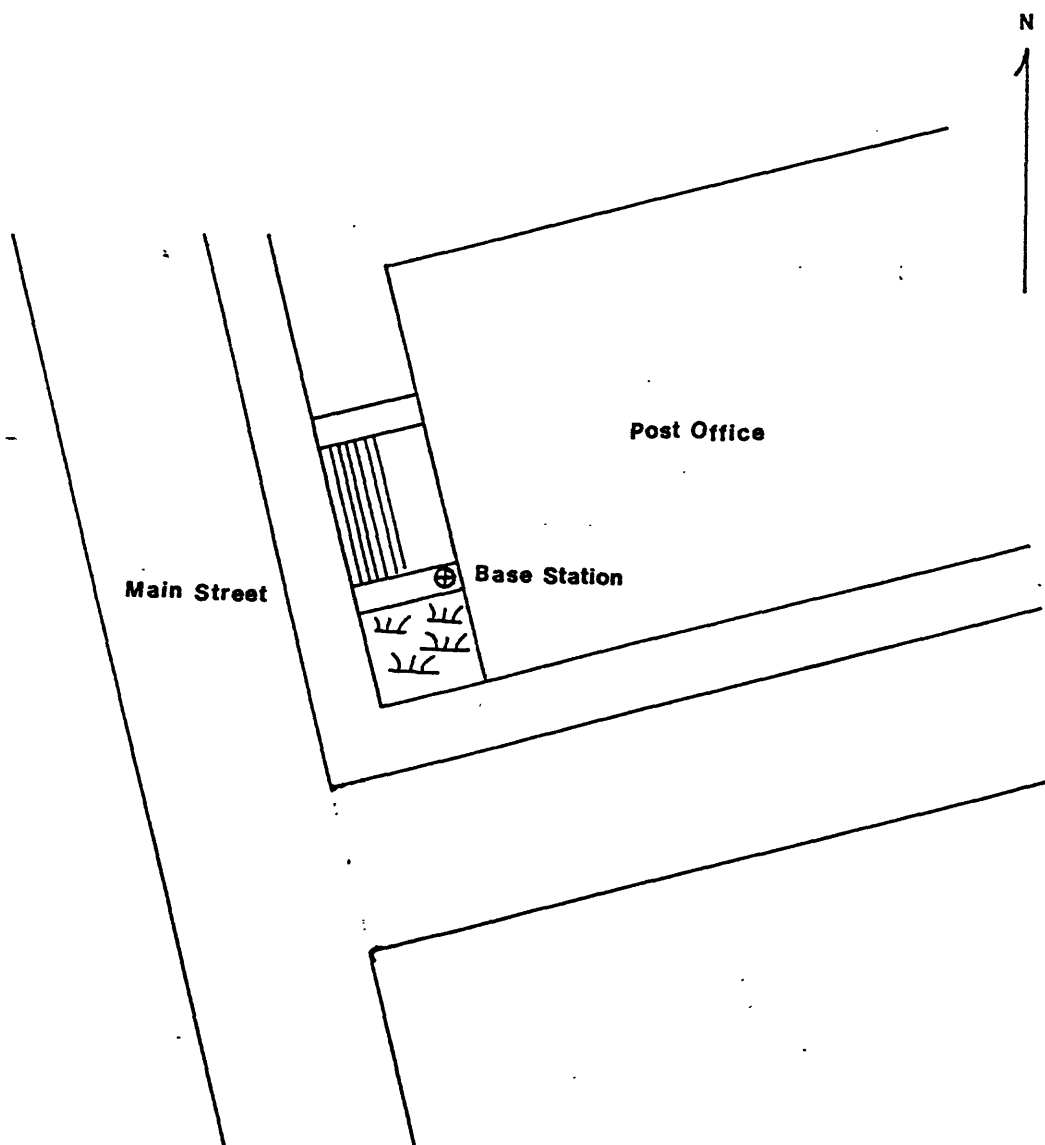
LONGITUDE $106^{\circ} 41.83' \text{ W.}$

ELEVATION 4,655.8 ft (1,419.10 m)

OBSERVED
GRAVITY 980,110.61 mGal

SBA -170.22 mGal

LOCATION DESCRIPTION: Station is at the Buffalo Post Office, Wyoming. It is on U.S. Coast and Geodetic Survey benchmark "M 38 1934" which is in the top of the southeast Galvstrade at the main entrance, 56.8 feet northeast of the centerline of Main Street and 15.7 feet northwest of the south corner of the building.



GRAVITY BASE STATION # BDY12

CITY HIGHWAY 14, EASTERN
BIG HORN MOUNTAINS

STATE WYOMING

LATITUDE $44^{\circ} 47.44$ N.

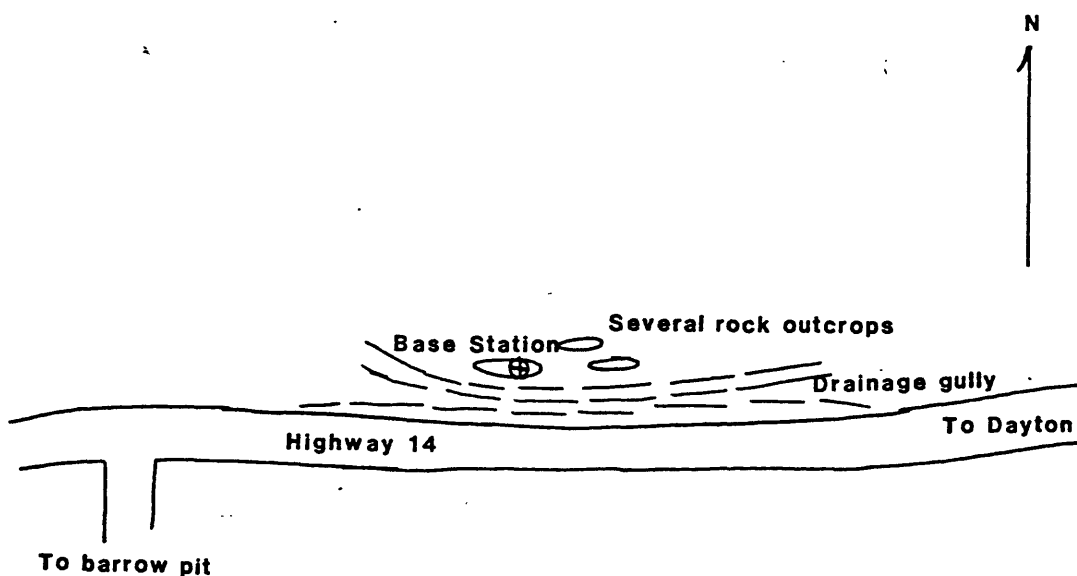
LONGITUDE $107^{\circ} 23.47'$ W.

ELEVATION 7,898.6 ft (2,407.50 m)

OBSERVED
GRAVITY 979,998.52 mGal

SBA -128.56 mGal

LOCATION DESCRIPTION: Station is located 16 miles southwest along U.S. Highway 14 from Dayton, Wyoming and 0.2 miles east of the junction of a road south to a highway barrow pit. The station is on U.S. Coast and Geodetic Survey benchmark "D 162 1966" which is in the top of a $4 \times 5\frac{1}{2}$ foot rock outcrop projecting about 1 foot, 59 feet north of the centerline of the highway and about level with the highway.



GRAVITY BASE STATION # BFTT

CITY FETTERMAN MONUMENT
Between BANNER AND KEARNEY

STATE WYOMING

LATITUDE 44° 34,28' N.

LONGITUDE 106° 50.42' W.

ELEVATION 4,860.7 ft (1, 481.54 m)

OBSERVED GRAVITY 980,113.47 mGal

SBA -175.59 mGal

LOCATION DESCRIPTION: Station is located on the east side of U.S. Highway 87 about half way between Banner and Kearny, Wyoming at the Fetterman Monument. The station is at the southeast corner of the concrete flagpole base, 4 feet north of Wyoming State Highway benchmark "4861", just north of an east-west fence. No marker. Highway benchmark is in concrete post 27 feet northeast of northeast corner of rock wall surrounding stone monument.

To Banner

Flag pole

fence

Base Station

Hwy benchmark

Monument

Parking

Highway 87

To Kearny

N

GRAVITY BASE STATION # BGLPO

CITY GILLETTE

STATE WYOMING

LATITUDE 44° 17.47' N.

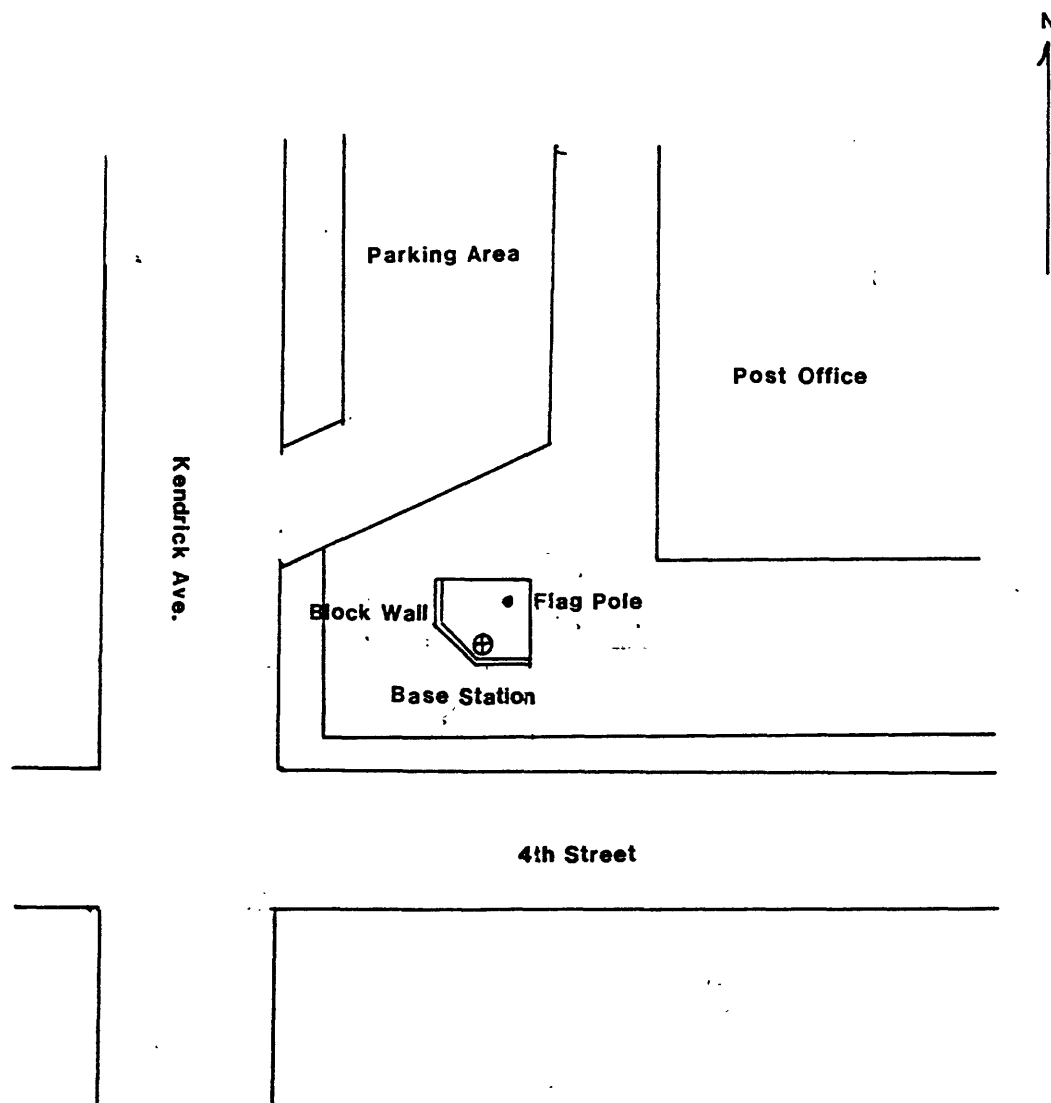
LONGITUDE 105° 30,11' W.

ELEVATION 4,550.0 ft (1,386.80 m)

OBSERVED
GRAVITY 980,158.09 mGal

SBA -124.22 mGal

LOCATION DESCRIPTION: Station is located at the Gillette Post Office in Gillette, Wyoming, near the northeast corner of 4th street and Kendrick Ave. Station location is on the concrete slab that surrounds the flagpole. It is on the southwest triangle next to the concrete block wall. No marker.



GRAVITY BASE STATION # BH243

CITY DEER HAVEN LODGE
MEADOWLARK LAKE

STATE WYOMING

LATITUDE 44° 10.08' N.

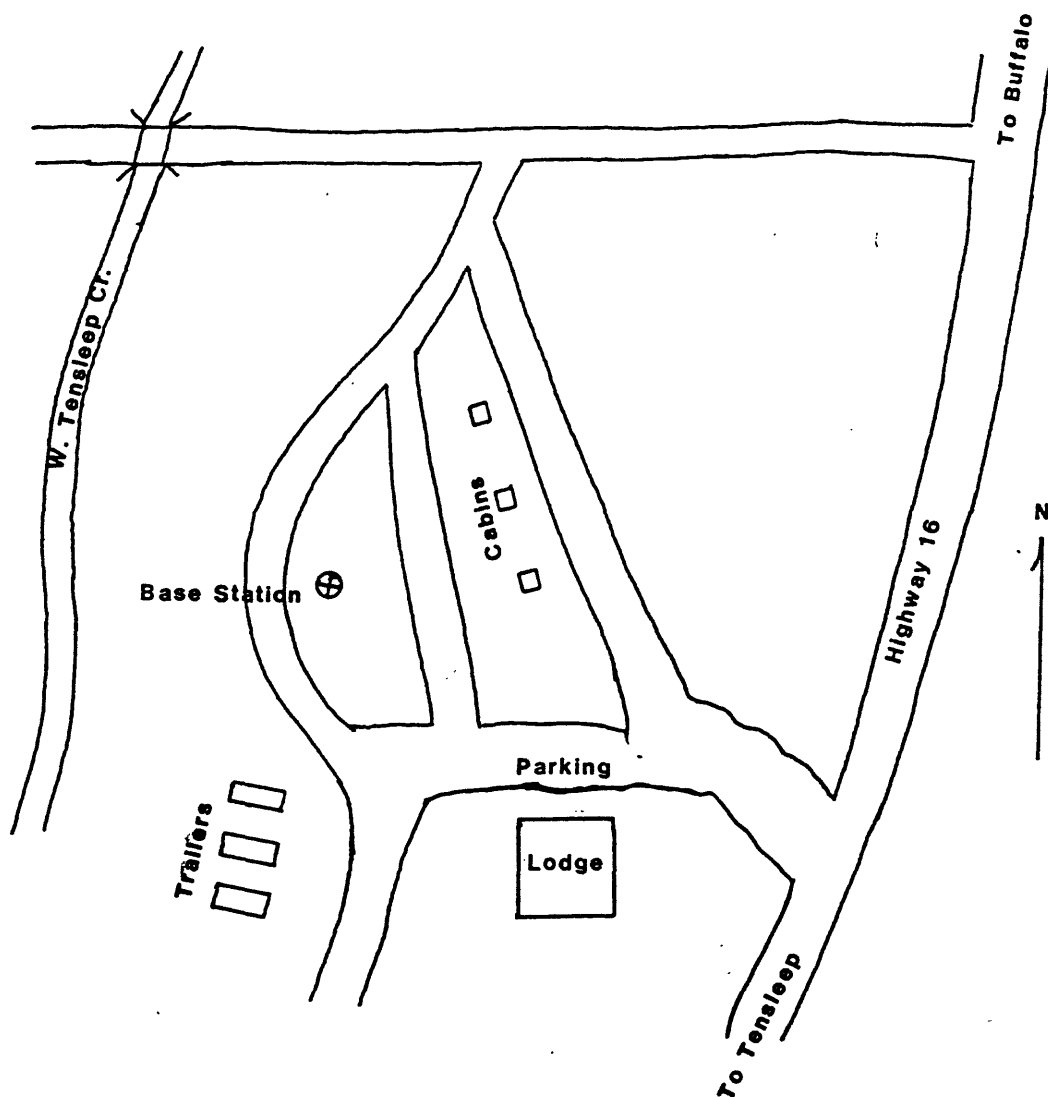
LONGITUDE 107° 14.96' W.

ELEVATION 8,009.8 ft (2,441.40 m)

OBSERVED GRAVITY 979.944.03 mGal

SBA -120.04 mGal

LOCATION DESCRIPTION: Station is located 17½ miles north-east of Ten Steep, Wyoming along U.S. Highway 16x at the Deer Haven Lodge and campground. The station is on U.S. Coast and Geodetic Survey benchmark "K 37 1934" which is in the top of a low granite rock in a small triangular area west of several cabins and northwest of the Lodge.



GRAVITY BASE STATION # BLG11

CITY LODGE GRASS

STATE MONTANA

LATITUDE 45° 18.95' N.

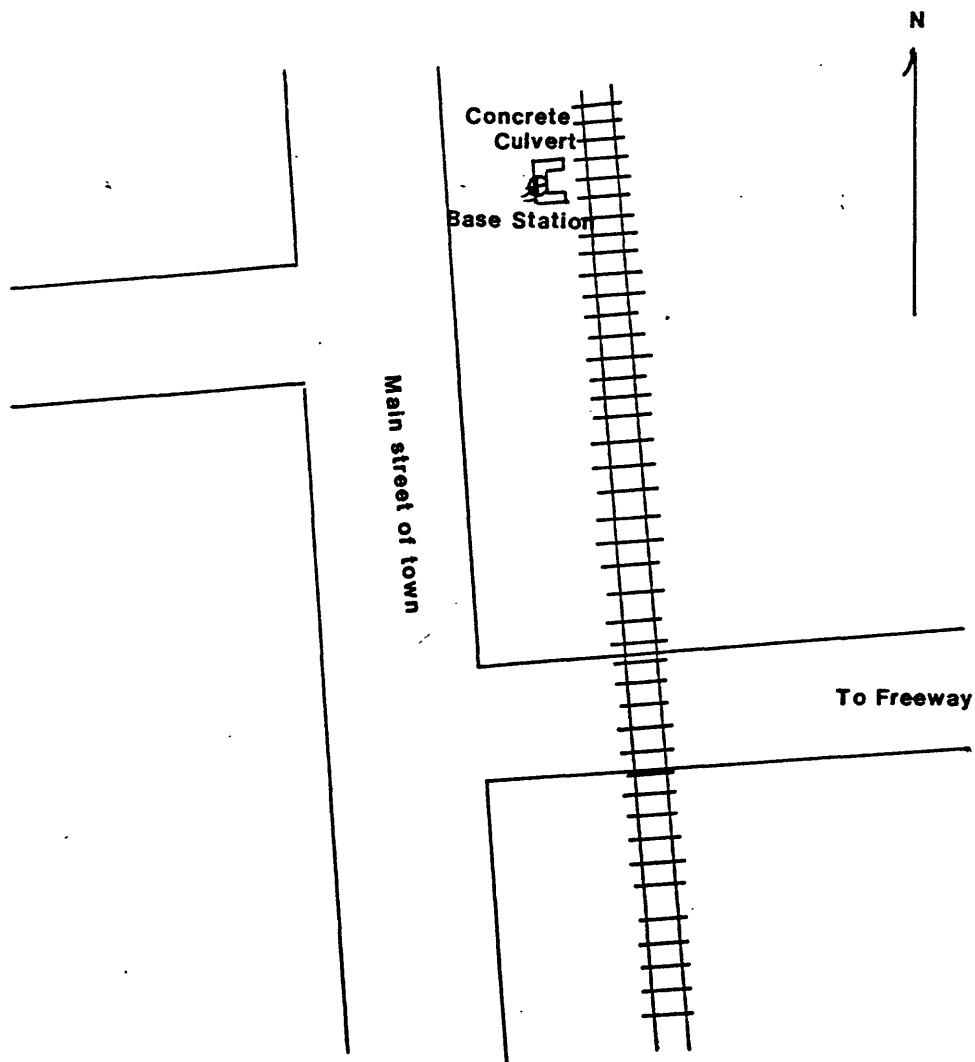
LONGITUDE 107° 20.77' W.

ELEVATION 3,362.6 ft (1,024.93 m)

OBSERVED
GRAVITY 980,290.61 mGal

SBA -155.55 mGal

LOCATION DESCRIPTION: Station is located in Lodge Grass, Montana, 75 feet east of the main north-south street through the town. The station is the U.S. Coast and Geodetic Survey benchwork "D 486 1957" which is located on the top of a concrete culvert 13.5 feet west of the railroad tracks.



GRAVITY BASE STATION # BSH1

CITY BSA camp E-La-La-Wee
Bighorn Mountains

STATE WYOMING

LATITUDE $44^{\circ} 11.43' \text{ N.}$

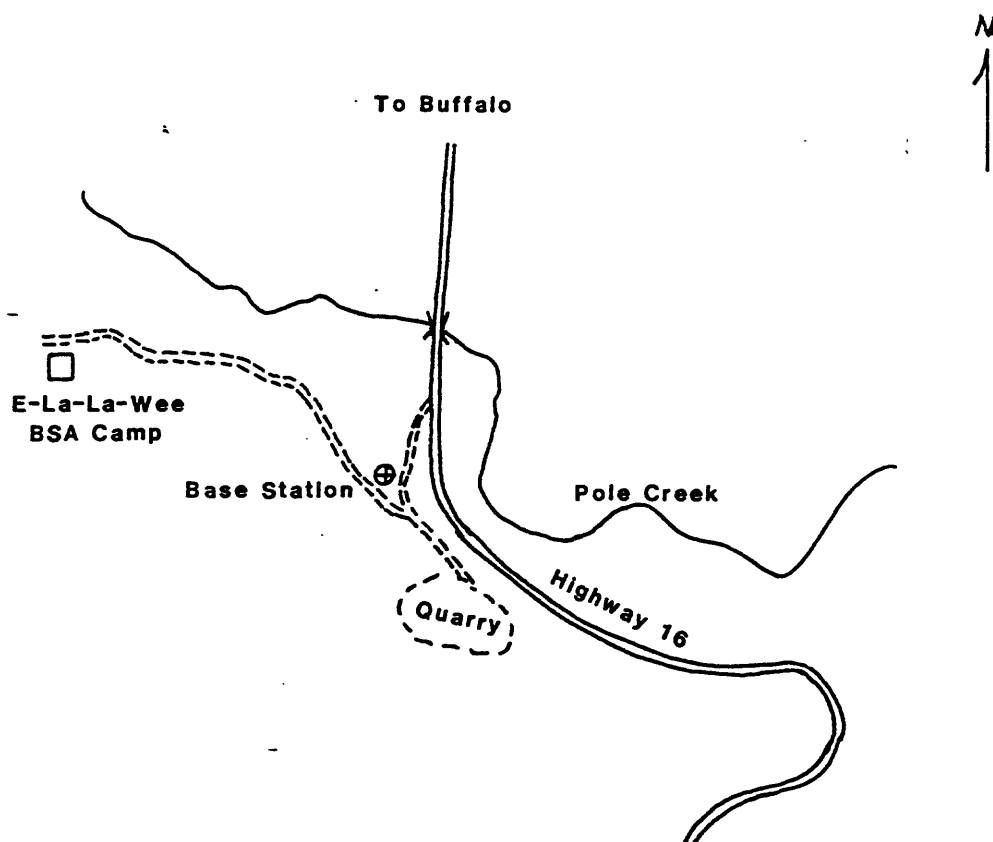
LONGITUDE $106^{\circ} 55.75' \text{ W.}$

ELEVATION 8,193.4 ft (2,497.34 m)

OBSERVED
GRAVITY 979,930.66 mGal

SBA -124.47 mGal

LOCATION DESCRIPTION: Station is 25.9 miles southwest of Buffalo along U.S. Highway 16. The station is on U.S. Coast and Geodetic Survey benchmark "Y 37 1934" which is near the entrance to a Boy Scout Camp. It is in a granite rock, in the east facing slope of a meadow, 0.2 miles south of the bridge over Pole Creek, and 380.5 feet west of the centerline of the highway.



GRAVITY BASE STATION # BSHKL

CITY KLONDIKE RANCH
BUFFALO

STATE WYOMING

LATITUDE 44° 11.86' N.

LONGITUDE 106° 46.10'

ELEVATION 5,304.0 ft (1,616.70 m)

OBSERVED GRAVITY 980,070.17 mGal

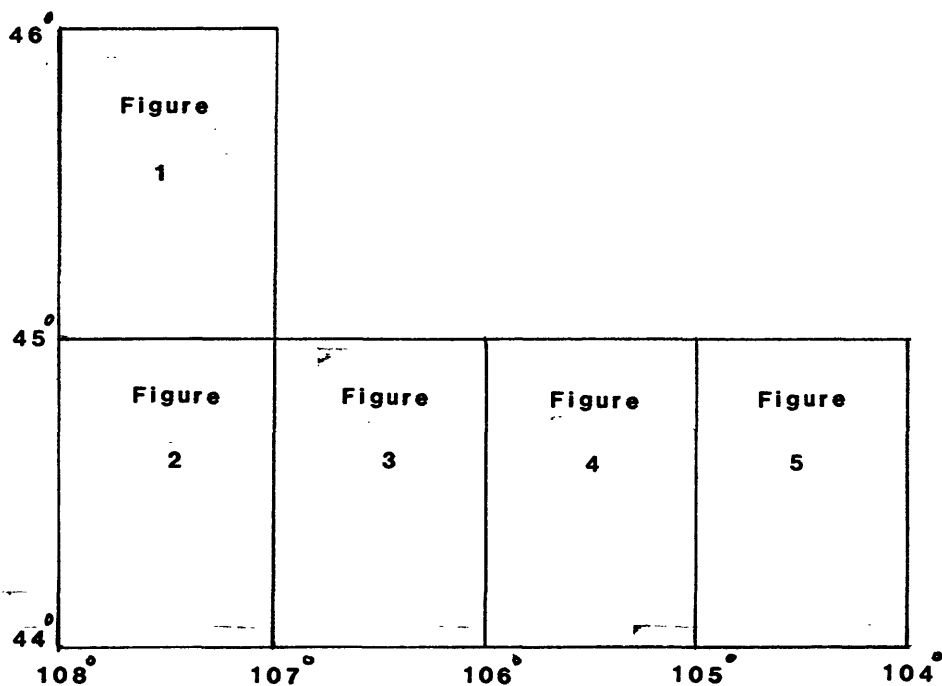
SBA -158.54 mGal

LOCATION DESCRIPTION: Station is located at the Klondike Ranch, Wyoming about 10 miles south-southwest of Buffalo. The station is located on the southwest side of the first concrete step of the west steps to the east most cabin at the ranch. The ranch is about 3½ miles west of U.S. Highway 87 on the road to canyon of the North Fork of Crazy Women Creek. This station is on private property and is not considered accessible.

GRAVITY BASE STATION # SH109	
CITY BIG GOOSE RANGER STATION BIG HORN MOUNTAINS	STATE WYOMING
LATITUDE 44° 35.98' N.	LONGITUDE 107° 12.46' W.
ELEVATION 7,603.4 ft (2317.47 m)	
OBSERVED GRAVITY 979,999.33 mGal	SBA -128.12 mGal
<p>LOCATION DESCRIPTION: Station is on north side of Red Grade road, 17 1/2 miles southwest of Big Horn and 0.4 miles east of Big Goose Ranger Station. The station is on U.S. Geological Survey benchmark "6 DHW 1964" which is in a 4x4x1/2 ft. boulder, 360 ft. southwest of bridge over East Fork of Big Goose Creek and 49 ft. north of road centerline.</p>	

Appendix B. Station Plots

The following figures are location plots of all the gravity stations presented in this report. The five maps are all at a scale of about 1:600,000. Each plot is a 1 X 1 degree increment of the total area.



Plot of S. Crow Reservation, Mont.

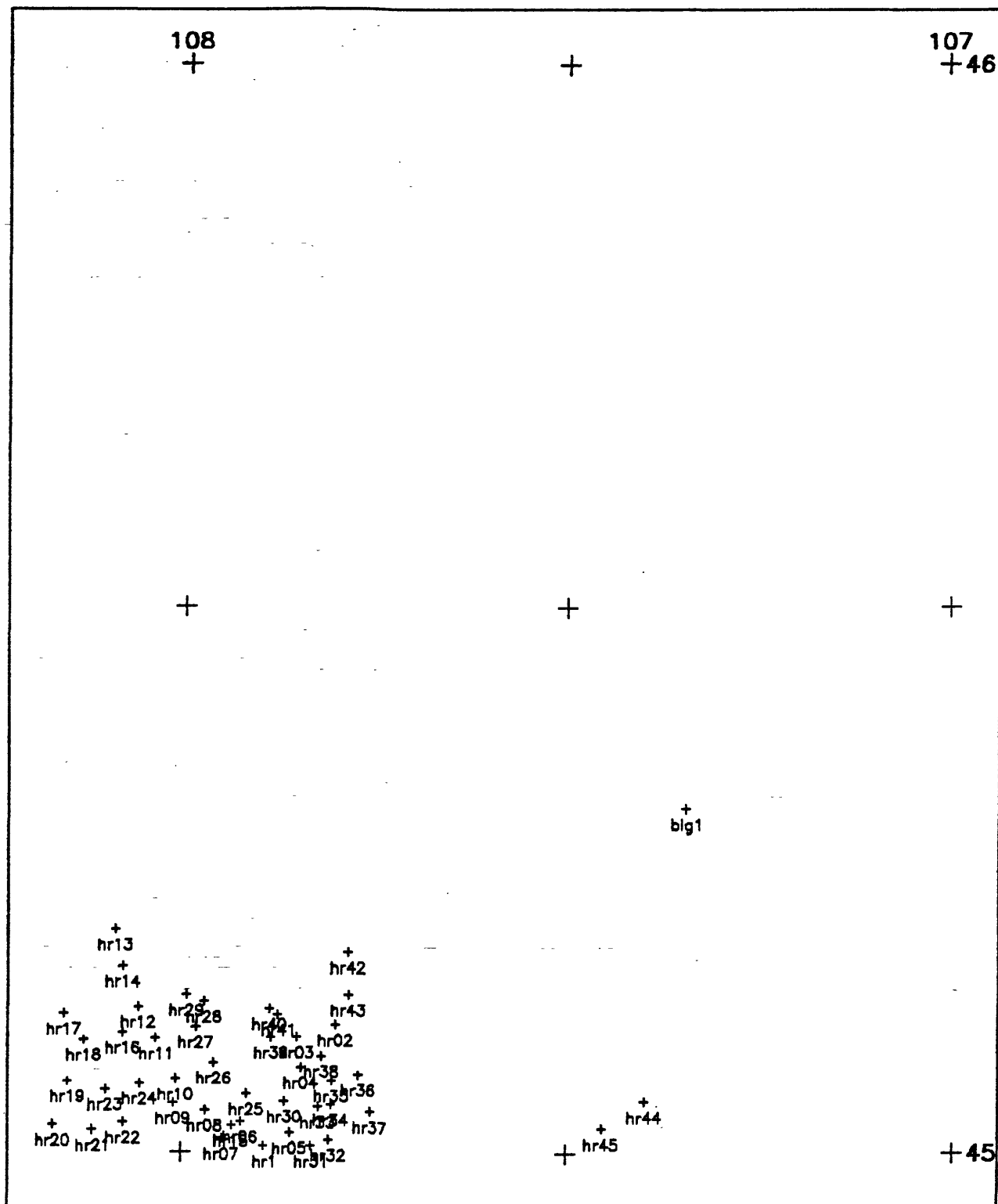


Figure 1. Principle facts for these gravity stations are found in table 1.

Plot of W. Sheridan, Wy.

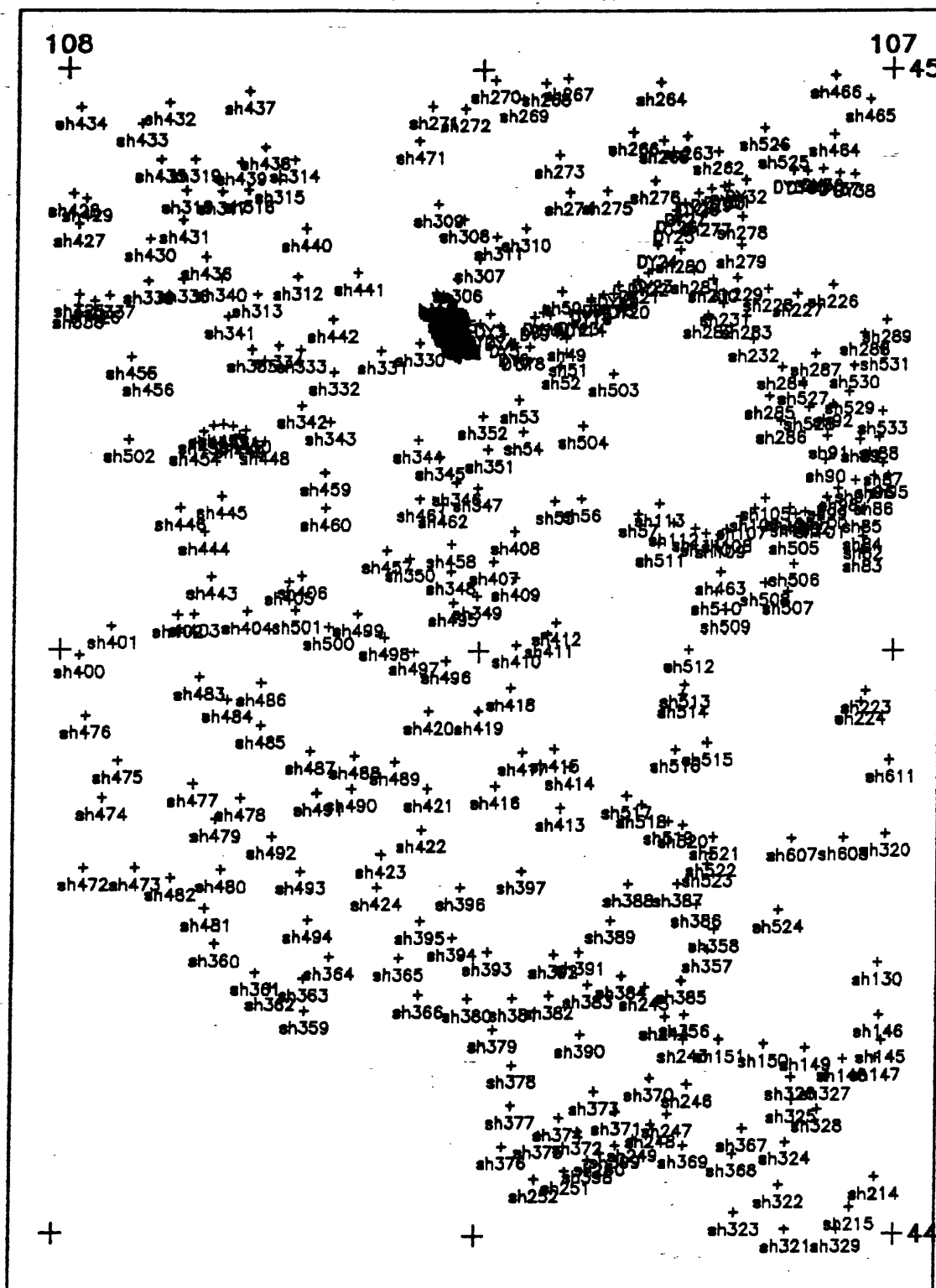


Figure 2. Principle facts for these gravity stations are found in tables 2 and 3.

Plot of E. Sheridan, Wy.

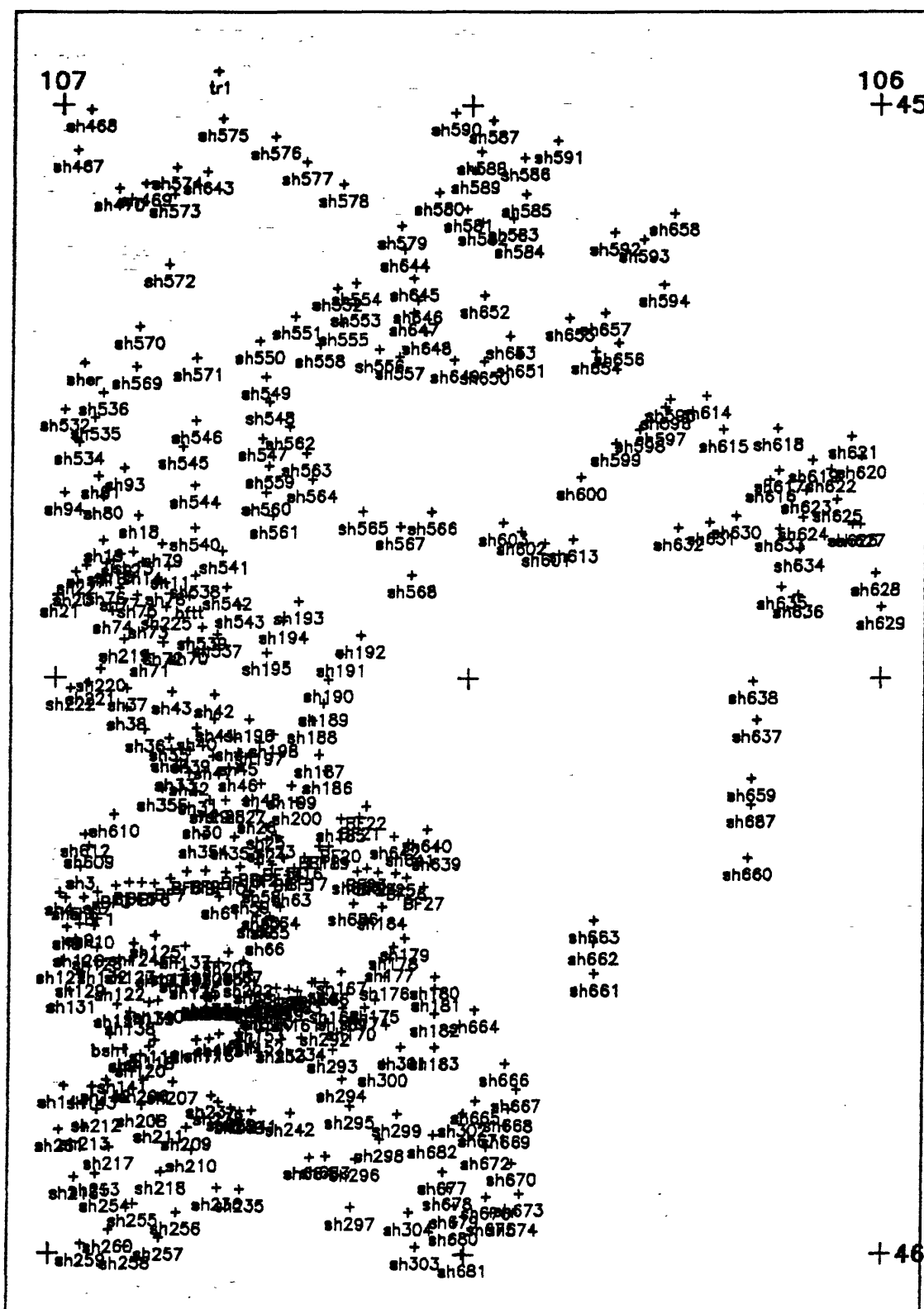


Figure 3. Principle facts for these gravity stations are found in tables 1, 2, and 3.

Plot of W. Gillette, Wy.

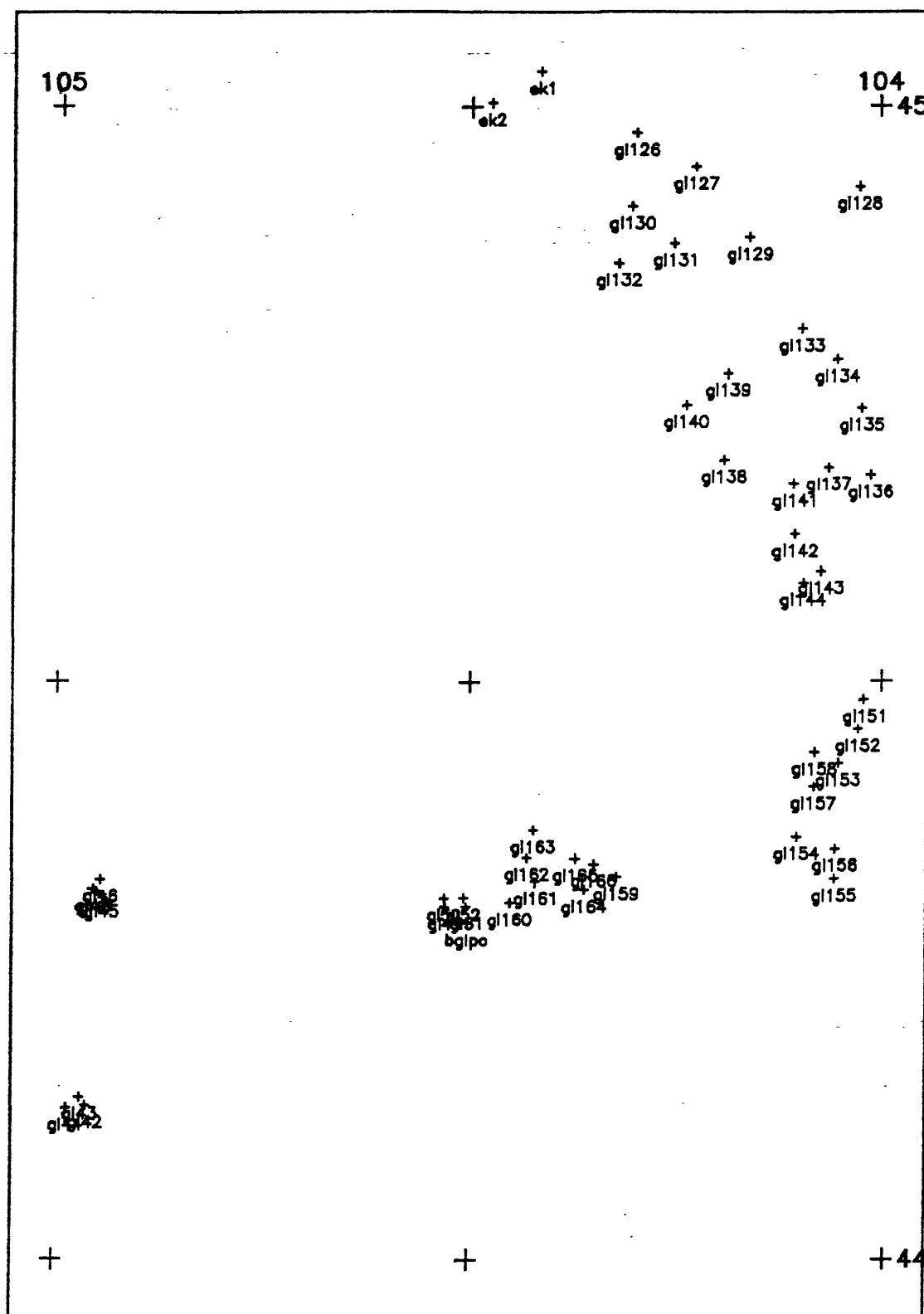


Figure 4. Principle facts for these gravity stations are found in tables 1 and 4.

Plot of E. Gillette, Wy.

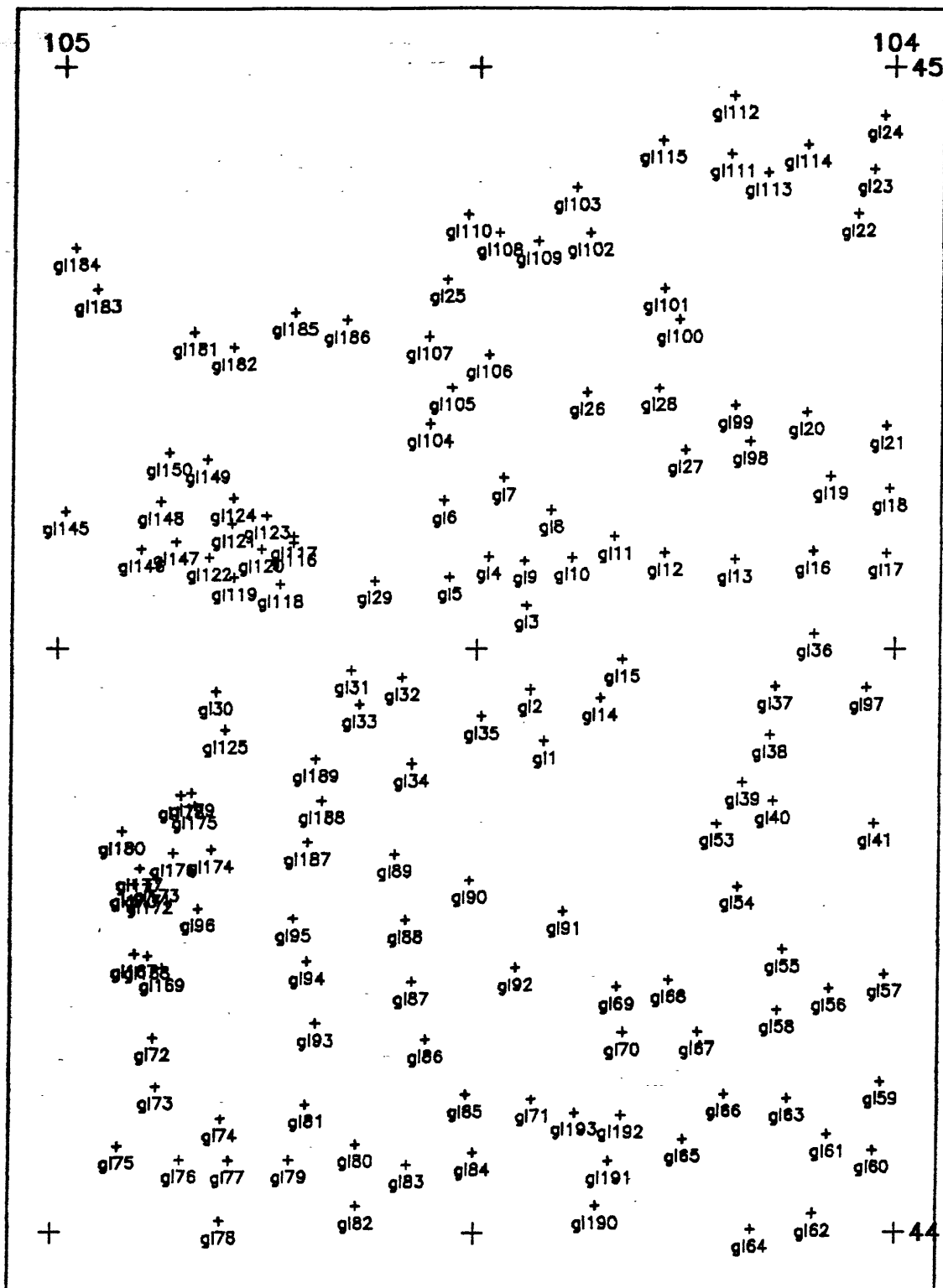


Figure 5. Principle facts for these gravity stations are found in table 4.

Appendix C. Principal Facts of Gravity Data

Tables 1-4 in this appendix contain the principal facts for all 1040 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 five 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 Sheridan, Wyoming Airport primary base station (BSHER).

F.A.A. - Free air anomaly.

S.B.A. - Simple Bouguer anomaly for a crustal density of 2.67 g/cm^3 .

T.C.C. - Total terrain correction done by hand and computer, out to a distance of 167 km. from each station.

C.B.A. - Complete Bouguer anomaly for a crustal density of 2.67 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 2.72 g/cm^3 , and a crust-mantle interface density contrast of 0.35 g/cm^3 .

Table 1. - Principal facts for 49 gravity stations in southern Montana.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
b1g1	45 18.95	107 20.77	3362.6	980290.61	-40.86	-155.55	0.47	-156.21	-22.85
ek1	45 01.85	105 24.81	3393.0	980306.40	3.59	-112.14	0.02	-113.26	7.36
ek2	45 00.20	105 28.49	3572.0	980291.80	8.30	-113.53	0.02	-114.69	7.12
hr01	45 00.37	107 53.63	8998.0	979946.51	172.59	-134.31	9.51	-126.16	29.67
hr02	45 07.02	107 48.06	5623.0	980157.39	56.36	-135.43	3.83	-133.07	16.77
hr03	45 06.33	107 51.06	6608.0	980104.14	96.71	-128.67	4.33	-125.86	25.08
hr04	45 04.67	107 50.74	7147.0	980063.90	109.61	-134.15	5.28	-130.39	21.85
hr05	45 01.07	107 51.58	8481.0	979979.13	155.59	-133.67	7.70	-127.40	27.71
hr06	45 01.69	107 55.45	8789.0	979960.39	164.85	-134.92	9.71	-126.59	28.52
hr07	45 00.76	107 56.93	8265.0	979990.71	147.35	-134.55	9.53	-126.46	29.49
hr08	45 02.30	107 58.20	8084.0	980003.24	140.55	-135.17	8.39	-128.24	26.79
hr09	45 02.70	108 00.66	7848.0	980009.23	123.77	-143.90	16.32	-129.06	25.97
hr10	45 04.01	108 00.47	7825.0	980018.54	128.95	-137.94	9.68	-129.75	24.34
hr11	45 06.25	108 02.07	7634.0	980030.27	119.35	-141.03	11.52	-131.00	21.69
hr12	45 07.99	108 03.40	7083.0	980069.52	104.21	-137.37	8.08	-130.81	20.82
hr13	45 12.23	108 05.28	6157.0	980125.67	66.95	-143.04	14.76	-129.79	18.96
hr14	45 10.21	108 04.64	6313.0	980120.24	79.23	-136.09	6.98	-130.62	19.56
hr15	45 01.47	107 56.18	8382.0	979985.99	152.55	-133.34	7.98	-126.79	28.58
hr16	45 06.56	108 04.60	5500.0	980163.31	51.41	-136.17	5.00	-132.64	20.25
hr17	45 07.59	108 09.20	4385.0	980238.50	20.26	-129.30	1.96	-128.66	24.18
hr18	45 06.15	108 07.64	4559.0	980223.36	23.65	-131.85	2.23	-130.97	22.62
hr19	45 03.85	108 08.88	4496.0	980225.81	23.65	-129.70	2.15	-128.89	26.35
hr20	45 01.44	108 10.00	4916.0	980195.79	36.74	-130.93	1.33	-131.00	25.78
hr21	45 01.16	108 06.96	5207.0	980176.93	45.65	-131.95	1.65	-131.73	24.95
hr22	45 01.61	108 04.51	5040.0	980187.05	39.39	-132.51	2.53	-131.39	24.84
hr23	45 03.42	108 05.94	4838.0	980203.23	33.86	-131.15	2.25	-130.29	24.92
hr24	45 03.76	108 03.23	5644.0	980150.43	56.29	-136.21	5.00	-132.68	21.99
hr25	45 03.19	107 55.01	8755.0	979961.75	160.75	-137.86	11.38	-127.87	26.08
hr26	45 04.91	107 57.56	8679.0	979965.70	154.97	-141.05	12.82	-129.63	23.39
hr27	45 06.89	107 58.95	8218.0	979997.27	140.24	-140.05	11.64	-129.86	21.88

Table 1.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
hr28	45 08.30	107 58.33	7722.0	980028.93		123.18	-140.19	11.17	-130.51	20.06
hr29	45 08.65	107 59.70	7627.0	980034.33		119.13	-141.00	11.87	-130.63	19.90
hr30	45 02.80	107 52.02	8009.0	980004.55		134.06	-139.10	10.87	-129.70	24.19
hr31	45 00.34	107 49.96	8351.0	979984.84		150.19	-134.64	7.71	-128.37	27.08
hr32	45 00.67	107 48.54	8271.0	979986.39		143.72	-138.38	9.85	-129.97	25.04
hr33	45 02.47	107 49.36	7751.0	980019.56		125.33	-139.03	9.47	-131.05	22.71
hr34	45 02.60	107 48.36	7162.0	980058.34		108.59	-135.69	6.16	-131.04	22.50
hr35	45 03.95	107 48.35	6676.0	980091.28		93.82	-133.88	5.09	-130.30	22.15
hr36	45 04.24	107 46.27	6032.0	980131.33		72.92	-132.81	4.30	-130.01	21.85
hr37	45 02.22	107 45.33	6115.0	980122.06		74.50	-134.06	4.95	-130.61	22.78
hr38	45 05.30	107 49.12	6853.0	980082.02		99.15	-134.58	6.66	-129.44	22.01
hr39	45 06.34	107 53.12	5746.0	980151.60		63.16	-132.82	10.14	-124.16	27.18
hr40	45 07.89	107 53.23	6803.0	980085.15		93.68	-138.35	9.39	-130.48	19.56
hr41	45 07.59	107 52.59	6002.0	980141.23		74.95	-129.76	6.15	-125.11	25.09
hr42	45 11.03	107 47.15	4145.0	980256.25		10.27	-131.11	2.37	-130.02	16.12
hr43	45 08.68	107 47.10	4804.0	980208.96		28.46	-135.39	2.51	-134.27	13.94
hr44	45 02.83	107 23.93	4046.0	980229.67		-13.25	-151.25	1.02	-151.50	-3.86
hr45	45 01.35	107 27.27	4276.0	980219.16		0.09	-145.75	1.52	-145.54	4.43
tr1	45 01.78	106 48.72	3430.0	980274.82		-24.42	-141.40	0.21	-142.34	-5.27

Table 2. - Principal facts for 736 gravity stations in the Sheridan, Wyoming 1 X 2 degree quadrangle.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
bftt	44 34.28	106 50.42	4860.7	980113.47	-9.80	-175.59	2.23	-174.75	-17.18
bbf16	44 20.69	106 41.83	4655.8	980110.61	-11.43	-170.22	1.27	-170.32	-10.09
bdy12	44 47.44	107 23.47	7898.6	979998.52	140.84	-128.56	6.11	-123.93	36.89
bh243	44 10.08	107 14.96	8009.8	979944.03	153.15	-120.04	4.91	-116.60	57.69
bsher	44 46.45	106 58.20	4012.0	980212.06	-9.34	-146.18	0.98	-146.46	5.87
bshk1	44 11.86	106 46.10	5304.0	980070.17	22.37	-158.54	2.36	-157.62	7.92
bsh1	44 11.43	106 55.75	8193.4	979930.66	154.99	-124.47	4.42	-121.50	48.39
sh2	44 10.64	106 54.76	7747.5	979952.90	136.53	-127.71	3.96	-125.24	44.45
sh3	44 20.16	106 58.02	7985.0	979958.56	150.14	-122.20	5.08	-118.59	49.84
sh4	44 18.77	106 59.49	8107.0	979954.39	159.53	-116.97	5.07	-113.36	56.12
sh5	44 18.52	106 59.02	8046.0	979956.73	156.52	-117.91	4.88	-114.49	54.89
sh6	44 18.55	106 57.71	7851.0	979966.10	147.52	-120.25	5.01	-116.72	52.14
sh7	44 18.86	106 56.75	7526.0	979983.44	133.86	-122.83	4.26	-120.07	48.33
sh8	44 16.96	106 58.93	8073.0	979953.52	158.20	-117.15	4.87	-113.74	56.08
sh9	44 17.15	106 58.02	7982.0	979957.92	153.76	-118.48	4.37	-115.58	53.84
sh10	44 17.06	106 56.93	7865.0	979962.59	147.58	-120.67	4.12	-118.03	51.00
sh11	44 35.87	106 51.93	4612.1	980138.65	-10.39	-167.69	1.94	-167.11	-9.81
sh12	44 36.47	106 55.39	5602.0	980080.72	23.81	-167.26	5.23	-163.50	-4.97
sh13	44 36.60	106 54.50	5055.0	980116.09	7.58	-164.84	2.84	-163.41	-5.37
sh14	44 36.07	106 53.82	5005.0	980117.26	4.84	-165.86	2.86	-164.41	-6.32
sh15	44 36.14	106 55.89	6374.5	980028.21	44.39	-173.03	11.26	-163.28	-4.34
sh16	44 36.01	106 56.43	6360.0	980033.51	48.52	-168.40	7.27	-162.64	-3.34
sh17	44 35.88	106 57.87	6300.0	980042.56	52.13	-162.75	5.69	-158.57	1.52
sh18	44 38.49	106 54.14	4498.0	980156.26	-7.45	-160.87	1.81	-160.40	-3.84
sh19	44 37.22	106 56.64	5230.0	980107.67	14.66	-163.72	4.39	-160.76	-2.12
sh20	44 34.91	106 58.86	6716.0	980024.63	74.75	-154.32	6.52	-149.31	11.86
sh21	44 34.33	106 59.90	6847.0	980021.20	84.50	-149.03	5.37	-145.18	16.85
sh22	44 35.55	106 58.62	6332.0	980043.22	56.29	-159.67	5.66	-155.52	5.14
sh23	44 21.86	106 43.94	4963.0	980096.46	1.53	-167.74	1.59	-167.56	-6.68

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh24	44 21.63	106 44.63	5171.0	980085.06	10.03	-166.34	1.97	-165.80	-4.45
sh25	44 22.31	106 44.69	4864.0	980105.32	0.41	-165.49	1.73	-165.15	-4.04
sh26	44 23.11	106 45.36	4851.0	980107.34	0.0	-165.45	1.77	-165.08	-3.96
sh27	44 23.64	106 46.16	4977.0	980100.92	4.63	-165.13	1.88	-164.65	-3.35
sh28	44 23.66	106 47.68	5036.0	980099.07	8.29	-163.48	2.25	-162.64	-0.52
sh29	44 23.64	106 48.83	5110.0	980095.85	12.06	-162.23	2.70	-160.96	1.80
sh30	44 22.83	106 49.33	5262.0	980086.53	18.24	-161.23	3.14	-159.53	3.87
sh31	44 24.10	106 49.77	5255.0	980088.19	17.32	-161.91	2.90	-160.45	2.58
sh32	44 25.06	106 50.31	5270.0	980087.16	16.26	-163.48	3.07	-161.85	1.02
sh33	44 25.29	106 51.30	5303.0	980086.79	18.64	-162.23	3.61	-160.06	3.21
sh34	44 26.27	106 51.61	5204.0	980093.00	14.07	-163.42	3.55	-161.31	1.62
sh35	44 26.84	106 51.76	5207.0	980092.11	12.60	-164.99	3.67	-162.76	0.5
sh36	44 27.28	106 53.47	5370.0	980083.65	18.80	-164.36	5.13	-160.68	2.68
sh37	44 29.43	106 54.80	6817.0	979997.91	65.78	-166.73	7.82	-160.42	2.24
sh38	44 28.43	106 54.83	6011.0	980046.14	39.79	-165.23	5.97	-160.76	2.58
sh39	44 26.24	106 50.24	5042.0	980101.38	7.27	-164.70	3.07	-163.04	-0.80
sh40	44 27.38	106 49.79	5028.0	980100.01	2.87	-168.62	2.50	-167.54	-6.14
sh41	44 27.85	106 48.57	4855.0	980109.52	-4.59	-170.18	2.00	-169.58	-9.08
sh42	44 29.10	106 48.58	4769.0	980112.69	-11.39	-174.05	1.93	-173.50	-13.70
sh43	44 29.27	106 51.61	5163.0	980093.39	6.08	-170.01	3.07	-168.37	-7.09
sh44	44 26.87	106 47.01	5046.0	980094.76	0.7	-172.03	1.81	-171.64	-11.49
sh45	44 26.12	106 46.77	4875.0	980106.93	-2.69	-168.97	1.71	-168.65	-8.22
sh46	44 25.28	106 46.78	4830.0	980110.61	-1.98	-166.72	1.82	-166.28	-5.40
sh47	44 25.91	106 48.59	4942.0	980105.84	2.83	-165.73	2.29	-164.85	-3.32
sh48	44 24.53	106 45.07	4750.0	980111.46	-7.51	-169.52	1.55	-169.35	-9.05
sh49	44 46.16	107 23.68	8021.0	979991.39	147.14	-126.44	6.19	-121.72	40.11
sh50	44 48.57	107 24.04	7820.0	980000.79	134.02	-132.70	9.93	-124.25	35.87
sh51	44 45.38	107 23.67	8088.0	979986.76	149.98	-125.88	6.42	-120.92	41.46
sh52	44 44.69	107 24.08	8448.0	979965.42	163.50	-124.64	5.52	-120.55	42.39
sh53	44 42.93	107 27.14	8365.0	979974.13	167.07	-118.24	4.30	-115.38	49.38

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh54	44 41.30	107 26.80	8425.0	979968.83	169.86	-117.50	4.57	-114.36	51.34
sh55	44 37.75	107 24.45	9153.9	979921.32	196.17	-116.04	5.70	-111.68	55.55
sh56	44 37.87	107 22.51	9358.0	979907.72	201.56	-117.61	6.38	-112.54	54.27
sh57	44 37.08	107 18.38	8730.0	979941.78	177.82	-119.93	6.85	-114.48	52.01
sh58	44 19.48	106 44.96	4978.0	980095.60	5.67	-164.11	2.28	-163.24	-0.80
sh59	44 18.93	106 45.79	5341.0	980072.55	17.57	-164.60	3.17	-162.88	0.19
sh60	44 18.08	106 44.98	5136.0	980082.90	9.93	-165.24	2.34	-164.33	-1.37
sh61	44 18.61	106 48.03	6772.0	979986.62	66.59	-164.39	7.08	-158.82	5.44
sh62	44 17.66	106 45.28	5319.0	980071.21	16.07	-165.34	2.31	-164.48	-1.21
sh63	44 19.32	106 42.75	4817.0	980099.70	-5.12	-169.41	1.49	-169.31	-8.03
sh64	44 18.11	106 43.55	5055.0	980083.92	3.29	-169.12	1.72	-168.82	-6.65
sh65	44 17.59	106 44.29	5210.0	980075.39	10.11	-167.59	1.94	-167.08	-4.32
sh66	44 16.74	106 44.67	5267.0	980072.17	13.54	-166.11	2.02	-165.53	-2.26
sh67	44 15.25	106 46.25	5604.0	980051.30	26.58	-164.56	2.39	-163.64	0.95
sh68	44 14.20	106 45.47	5437.0	980058.19	19.36	-166.08	2.27	-165.26	-0.74
sh69	44 12.88	106 44.97	5265.0	980066.19	13.18	-166.39	1.90	-165.93	-1.28
sh70	44 31.89	106 50.48	4781.0	980113.13	-14.03	-177.10	2.22	-176.26	-17.12
sh71	44 31.23	106 53.33	5493.0	980072.85	13.60	-173.75	4.56	-170.65	-9.67
sh72	44 31.88	106 52.28	5060.0	980098.39	-2.53	-175.12	3.23	-173.30	-13.23
sh73	44 33.24	106 53.37	5221.0	980095.17	7.32	-170.75	3.00	-169.19	-9.43
sh74	44 33.50	106 55.92	5547.0	980083.91	26.31	-162.89	7.64	-156.71	4.12
sh75	44 34.34	106 54.19	5166.0	980102.71	8.04	-168.16	2.93	-166.66	-7.22
sh76	44 35.00	106 56.44	5439.0	980091.87	21.86	-163.65	6.73	-158.38	1.70
sh77	44 34.69	106 55.46	5254.0	980100.49	13.56	-165.64	4.06	-163.02	-3.20
sh78	44 34.99	106 52.17	4696.5	980130.96	-8.82	-169.00	2.42	-167.95	-9.94
sh79	44 36.99	106 52.40	4571.0	980145.50	-9.09	-164.99	1.75	-164.59	-7.84
sh80	44 39.46	106 56.70	4249.0	980174.73	-13.85	-158.77	2.27	-157.80	-0.70
sh81	44 40.52	106 57.02	4115.0	980185.81	-16.97	-157.32	1.87	-156.73	-0.27
sh82	44 35.89	107 02.20	4883.0	980134.91	11.30	-155.24	10.95	-145.69	16.54
sh83	44 35.21	107 02.27	5260.0	980110.86	23.71	-155.70	15.61	-141.53	21.15

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh84	44 36.31	107 02.23	4783.0	980140.80	7.16	-155.97	8.89	-148.47	13.48
sh85	44 37.25	107 02.28	4533.0	980154.81	-3.75	-158.35	6.72	-152.98	8.33
sh86	44 38.15	107 01.44	4369.0	980164.00	-11.32	-160.34	4.74	-156.92	3.38
sh87	44 39.65	107 00.75	4272.0	980172.68	-14.02	-159.73	2.90	-158.14	0.72
sh88	44 40.99	107 01.03	4256.0	980176.24	-13.99	-159.15	2.37	-158.09	-0.13
sh89	44 40.84	107 02.38	4352.0	980168.86	-12.12	-160.56	2.90	-158.98	-0.32
sh90	44 39.83	107 04.90	4750.0	980141.77	-.28	-162.29	4.12	-159.55	0.95
sh91	44 41.03	107 04.79	4612.0	980151.35	-5.48	-162.78	3.14	-161.00	-1.45
sh92	44 42.67	107 04.38	4426.0	980166.76	-10.03	-160.99	2.31	-160.01	-1.93
sh93	44 40.93	106 55.17	4203.0	980180.65	-14.47	-157.82	1.48	-157.64	-2.39
sh94	44 39.66	106 59.53	4180.8	980179.45	-15.84	-158.44	2.83	-156.90	1.39
sh95	44 39.00	107 00.34	4227.0	980174.55	-15.41	-159.58	3.46	-157.42	1.75
sh96	44 38.99	107 01.36	4365.3	980165.59	-11.36	-160.24	3.53	-158.04	1.59
sh97	44 38.78	107 02.79	4692.8	980145.35	-.49	-160.55	4.00	-157.92	2.47
sh98	44 38.34	107 03.97	5012.7	980127.24	12.13	-158.84	5.10	-155.16	6.05
sh99	44 37.90	107 04.80	5470.2	980103.33	31.88	-154.70	6.96	-149.20	12.64
sh100	44 37.41	107 05.15	5984.0	980075.44	53.00	-151.10	9.51	-143.08	19.19
sh101	44 36.98	107 05.38	7000.8	980014.19	87.94	-150.84	9.46	-142.90	19.65
sh102	44 37.18	107 06.36	7132.4	980009.20	95.02	-148.25	7.70	-142.06	20.72
sh103	44 37.07	107 07.06	7233.0	980005.56	100.99	-145.71	7.12	-140.10	23.02
sh104	44 37.38	107 07.45	7421.0	979993.22	105.84	-147.27	8.71	-140.06	22.98
sh105	44 37.90	107 09.22	7742.1	979978.29	120.30	-143.76	8.82	-136.43	26.87
sh106	44 37.33	107 09.98	7669.1	979988.01	124.02	-137.55	5.85	-133.19	30.78
sh107	44 36.94	107 10.94	7456.1	980004.60	121.19	-133.12	5.10	-129.52	35.08
sh108	44 36.27	107 11.99	7621.3	979998.01	131.13	-128.81	4.72	-125.58	39.81
sh109	44 35.98	107 12.46	7603.4	979999.33	131.21	-128.12	4.72	-124.90	40.84
sh110	44 36.08	107 13.53	7734.6	979993.27	137.32	-126.49	5.30	-122.68	43.28
sh111	44 36.34	107 14.26	7858.5	979987.10	142.40	-125.64	5.44	-121.68	44.31
sh112	44 36.62	107 15.82	8192.3	979969.94	156.17	-123.25	6.42	-118.28	47.94
sh113	44 37.61	107 16.86	8009.1	979983.27	150.80	-122.37	5.23	-118.61	47.28

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh114	44 11.49	106 46.52	5409.0	980065.86	28.49	-156.00	2.55	-154.90	10.94
sh115	44 11.44	106 47.93	5688.0	980056.54	45.45	-148.55	3.18	-146.84	19.71
sh116	44 11.19	106 48.63	5809.0	980053.14	53.81	-144.32	3.71	-142.09	24.87
sh117	44 11.11	106 49.55	5963.0	980046.15	61.41	-141.97	5.04	-138.43	28.99
sh118	44 10.77	106 52.91	6828.0	979998.10	95.15	-137.73	11.14	-128.11	40.88
sh119	44 11.12	106 52.55	6675.0	980005.26	87.40	-140.26	13.60	-128.18	40.58
sh120	44 10.37	106 53.52	7102.0	979983.51	106.91	-135.32	8.47	-128.37	40.93
sh121	44 12.95	106 55.25	8362.0	979923.56	161.44	-123.77	4.87	-120.34	48.97
sh122	44 14.34	106 55.06	8055.0	979945.39	152.33	-122.40	4.51	-119.36	49.57
sh123	44 15.23	106 54.36	7957.0	979951.97	148.36	-123.03	4.27	-120.23	48.15
sh124	44 16.15	106 54.11	7910.0	979954.96	145.55	-124.24	4.39	-121.33	46.68
sh125	44 16.54	106 52.57	7703.0	979964.99	135.54	-127.19	5.18	-123.50	43.70
sh126	44 16.07	106 58.09	8021.0	979953.94	155.08	-118.50	4.56	-115.40	54.34
sh127	44 15.20	106 59.33	8601.0	979917.38	174.31	-119.04	5.41	-115.04	55.32
sh128	44 15.92	106 56.72	7965.8	979954.41	150.59	-121.10	4.27	-118.30	50.94
sh129	44 14.53	106 57.94	7957.0	979952.86	150.31	-121.08	5.29	-117.27	52.83
sh130	44 13.97	107 01.12	9271.0	979871.57	193.29	-122.92	6.99	-117.25	53.95
sh131	44 13.70	106 58.64	8112.0	979941.27	154.53	-122.15	6.20	-117.41	53.12
sh132	44 15.21	106 56.33	8006.2	979950.77	151.81	-121.25	4.33	-118.39	50.87
sh133	44 15.06	106 52.12	7771.0	979957.05	136.23	-128.82	5.11	-125.20	42.21
sh134	44 14.80	106 50.42	7610.0	979958.52	122.96	-136.59	7.41	-130.68	36.00
sh135	44 14.44	106 49.69	7400.0	979962.22	107.47	-144.92	8.94	-137.49	28.97
sh136	44 15.16	106 51.08	7669.0	979959.42	128.86	-132.71	5.92	-128.28	38.61
sh137	44 16.02	106 50.43	7300.0	979979.14	112.61	-136.37	5.59	-132.29	34.05
sh138	44 12.57	106 54.30	8244.0	979928.12	155.48	-125.70	4.97	-122.18	46.83
sh139	44 13.08	106 52.96	7873.0	979949.21	140.95	-127.57	4.73	-124.32	44.02
sh140	44 13.19	106 52.29	7796.0	979951.61	135.96	-129.94	4.89	-126.54	41.46
sh141	44 09.55	106 54.89	7818.4	979945.97	137.91	-128.76	3.73	-126.51	43.44
sh142	44 09.04	106 55.95	7949.0	979938.44	143.42	-127.70	3.86	-125.31	45.16
sh143	44 08.73	106 56.98	8113.0	979929.90	150.74	-125.97	3.85	-123.58	47.32

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh144	44 08.75	106 59.04	8428.9	979913.25		163.75	-123.74	4.18	-120.99	50.57
sh145	44 09.98	107 00.87	8723.0	979898.55		174.81	-122.70	4.88	-119.22	52.71
sh146	44 11.29	107 01.06	9100.0	979877.34		187.04	-123.34	6.40	-118.28	53.45
sh147	44 09.07	107 01.26	8716.0	979896.34		173.32	-123.96	4.84	-120.51	51.67
sh148	44 09.04	107 03.64	9355.0	979858.77		195.82	-123.26	5.73	-118.83	53.90
sh149	44 09.62	107 06.25	9431.0	979856.62		199.93	-121.73	5.75	-117.27	55.92
sh150	44 09.83	107 09.24	9155.0	979873.79		190.85	-121.40	5.32	-117.41	56.29
sh151	44 10.06	107 12.43	8605.0	979908.51		173.57	-119.92	5.13	-116.20	57.89
sh152	44 11.62	106 44.97	5166.0	980071.51		11.11	-165.09	1.92	-164.60	0.43
sh153	44 12.23	106 44.97	5177.0	980071.20		10.91	-165.67	1.91	-165.19	-0.34
sh154	44 13.20	106 44.97	5248.0	980067.50		12.42	-166.58	1.93	-166.08	-1.52
sh155	44 13.53	106 44.96	5288.0	980065.08		13.26	-167.10	1.96	-166.58	-2.12
sh156	44 13.48	106 44.38	5286.0	980063.95		12.02	-168.27	1.81	-167.91	-3.75
sh157	44 13.47	106 44.21	5302.0	980061.77		11.36	-169.48	1.82	-169.10	-5.03
sh158	44 13.86	106 43.79	5422.0	980055.23		15.50	-169.43	1.83	-169.05	-5.33
sh159	44 13.31	106 43.60	5226.0	980065.78		8.46	-169.79	1.59	-169.63	-5.84
sh160	44 12.88	106 44.36	5190.0	980068.63		8.57	-168.44	1.73	-168.14	-3.81
sh161	44 12.78	106 42.44	5130.0	980069.42		3.88	-171.09	1.33	-171.18	-7.84
sh162	44 13.78	106 42.86	5288.0	980061.94		9.74	-170.62	1.64	-170.42	-7.17
sh163	44 13.68	106 42.23	5236.0	980064.21		7.27	-171.31	1.41	-171.34	-8.40
sh164	44 14.13	106 41.20	5155.4	980067.23		2.04	-173.80	1.26	-173.96	-11.71
sh165	44 14.13	106 40.97	5135.3	980067.83		0.75	-174.40	1.21	-174.62	-12.49
sh166	44 14.14	106 40.31	5083.0	980070.28		-1.73	-175.10	1.17	-175.35	-13.58
sh167	44 14.72	106 39.07	5075.0	980070.72		-2.92	-176.01	1.03	-176.40	-15.49
sh168	44 13.21	106 39.54	4953.0	980076.77		-6.05	-174.98	0.96	-175.43	-13.78
sh169	44 12.84	106 38.99	4921.0	980078.10		-7.17	-175.02	0.91	-175.51	-14.03
sh170	44 12.33	106 38.33	4862.0	980080.62		-9.42	-175.25	0.83	-175.82	-14.54
sh171	44 13.39	106 49.01	6014.0	980042.96		59.57	-145.55	6.79	-140.25	26.30
sh172	44 13.36	106 48.53	5795.0	980053.68		49.76	-147.89	4.70	-144.67	21.66
sh173	44 13.56	106 48.83	5920.0	980048.89		56.41	-145.50	6.08	-140.91	25.51

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh174	44 12.89	106 37.35	4849.0	980081.58	-10.53	-175.92	0.77	-176.54	-15.95	
sh175	44 13.24	106 36.62	4883.0	980079.25	-10.20	-176.74	0.74	-177.40	-17.31	
sh176	44 14.46	106 35.92	4857.0	980082.74	-10.99	-176.65	0.75	-177.29	-17.96	
sh177	44 15.37	106 35.60	4864.0	980084.06	-10.38	-176.28	0.85	-176.82	-17.98	
sh178	44 16.00	106 35.33	4710.0	980095.43	-14.44	-175.09	0.78	-175.68	-17.20	
sh179	44 16.47	106 34.52	4646.0	980100.50	-16.09	-174.55	0.60	-175.32	-17.43	
sh180	44 14.49	106 32.28	4574.0	980100.04	-20.33	-176.34	0.52	-177.17	-19.72	
sh181	44 13.85	106 32.27	4597.0	980096.91	-20.34	-177.13	0.43	-178.06	-20.41	
sh182	44 12.56	106 32.28	4538.0	980097.92	-22.93	-177.71	0.46	-178.60	-20.51	
sh183	44 10.82	106 32.28	4521.0	980094.52	-25.30	-179.50	0.39	-180.46	-21.82	
sh184	44 18.10	106 36.15	4639.0	980105.06	-14.65	-172.87	0.79	-173.44	-15.29	
sh185	44 22.69	106 39.22	4528.0	980121.08	-15.98	-170.42	0.89	-170.88	-12.94	
sh186	44 25.17	106 40.24	4566.0	980120.69	-16.54	-172.28	1.02	-172.61	-15.27	
sh187	44 26.02	106 40.85	4602.0	980118.27	-16.86	-173.82	1.05	-174.13	-16.89	
sh188	44 27.79	106 41.38	4536.0	980124.80	-19.20	-173.91	0.90	-174.36	-17.73	
sh189	44 28.69	106 40.57	4496.0	980127.40	-21.72	-175.06	0.91	-175.50	-19.79	
sh190	44 29.93	106 40.24	4415.0	980133.00	-25.60	-176.18	0.87	-176.64	-21.77	
sh191	44 31.29	106 39.42	4351.0	980137.70	-28.97	-177.37	0.82	-177.87	-24.19	
sh192	44 32.26	106 37.92	4277.0	980142.89	-32.20	-178.07	0.69	-178.69	-26.33	
sh193	44 34.01	106 42.46	4333.0	980142.98	-29.48	-177.27	0.92	-177.67	-24.02	
sh194	44 33.00	106 43.54	4406.0	980136.85	-27.23	-177.50	1.09	-177.74	-22.92	
sh195	44 31.36	106 44.74	4475.0	980130.95	-24.17	-176.80	1.52	-176.62	-20.18	
sh196	44 27.85	106 45.99	4709.0	980113.84	-14.00	-174.61	1.49	-174.49	-15.38	
sh197	44 26.67	106 45.22	4765.0	980110.00	-10.79	-173.31	1.51	-173.18	-13.88	
sh198	44 27.05	106 44.18	4610.0	980118.59	-17.34	-174.58	1.27	-174.67	-16.13	
sh199	44 24.38	106 42.83	4755.0	980108.47	-9.81	-171.99	1.18	-172.19	-13.07	
sh200	44 23.57	106 42.43	4695.0	980111.72	-10.97	-171.11	1.22	-171.26	-11.97	
sh201	44 13.47	106 45.58	5371.0	980063.52	19.59	-163.60	2.17	-162.88	1.92	
sh202	44 14.57	106 45.87	5481.0	980057.30	22.04	-164.90	2.39	-163.97	0.65	
sh203	44 15.71	106 47.35	5762.0	980048.49	37.92	-158.60	2.98	-157.11	7.89	

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh204	44 15.18	106 48.81	6309.0	980029.28	70.91	-144.27	4.99	-140.79	25.10
sh205	44 15.15	106 48.04	5963.0	980043.79	52.95	-150.43	3.61	-148.31	17.22
sh206	44 09.06	106 53.28	7764.0	979943.85	131.42	-133.39	4.01	-130.87	38.53
sh207	44 08.99	106 51.21	7648.0	979944.46	121.23	-139.62	6.17	-134.94	33.55
sh208	44 07.76	106 53.39	7605.0	979953.27	127.86	-131.52	4.06	-128.96	40.73
sh209	44 06.58	106 50.18	7482.0	979947.69	112.50	-142.69	9.26	-134.93	33.58
sh210	44 05.43	106 49.79	7637.0	979933.52	114.63	-145.85	12.30	-135.04	33.48
sh211	44 06.98	106 52.25	7781.0	979938.85	131.15	-134.24	5.17	-130.56	38.76
sh212	44 07.53	106 56.63	8027.0	979931.83	146.41	-127.37	3.68	-125.16	45.81
sh213	44 06.59	106 57.46	8000.0	979932.32	145.78	-127.08	3.51	-125.04	46.36
sh214	44 02.93	107 01.35	8326.0	979904.53	154.13	-129.84	3.71	-127.57	45.36
sh215	44 01.41	107 03.14	8241.0	979910.15	154.06	-127.02	3.38	-125.08	48.39
sh216	44 03.99	106 58.17	8081.0	979923.18	148.17	-127.45	3.37	-125.54	46.39
sh217	44 05.56	106 55.71	7942.0	979933.63	143.19	-127.69	3.48	-125.68	45.23
sh218	44 04.26	106 51.96	7818.0	979929.67	129.55	-137.10	7.26	-131.33	38.30
sh219	44 32.01	106 55.08	6309.0	980035.97	52.22	-162.96	6.26	-158.21	3.08
sh220	44 30.44	106 56.73	7342.0	979985.25	100.92	-149.49	5.85	-145.15	17.83
sh221	44 29.73	106 57.57	7251.0	979994.94	103.13	-144.18	5.15	-140.54	23.25
sh222	44 29.46	106 58.92	7794.0	979967.19	126.80	-139.03	6.05	-134.46	30.04
sh223	44 27.92	107 01.98	8618.0	979923.08	162.43	-131.51	6.17	-126.75	39.83
sh224	44 27.36	107 02.37	8618.0	979923.09	163.28	-130.65	6.27	-125.79	41.22
sh225	44 33.73	106 52.10	4903.0	980113.20	-5.27	-172.50	2.41	-171.49	-12.69
sh226	44 48.85	107 04.39	4014.0	980208.62	-16.21	-153.12	1.22	-153.16	-0.14
sh227	44 48.40	107 06.93	4201.0	980192.99	-13.59	-156.87	1.43	-156.74	-2.30
sh228	44 48.68	107 09.07	4433.0	980177.20	-7.99	-159.19	1.77	-158.75	-3.69
sh229	44 49.23	107 11.29	4136.0	980196.38	-17.56	-158.63	2.12	-157.79	-2.29
sh230	44 49.17	107 13.07	4232.0	980191.94	-12.89	-157.23	2.71	-155.82	0.42
sh231	44 47.94	107 12.31	4251.0	980188.37	-12.82	-157.81	3.04	-156.07	0.92
sh232	44 46.08	107 10.10	4613.0	980161.90	-2.45	-159.79	2.83	-158.32	-0.68
sh233	44 11.17	106 43.40	5038.0	980072.66	0.90	-170.93	1.55	-170.79	-6.47

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh234	44 11.25	106 41.94	4982.0	980074.42	-2.72	-172.65	1.20	-172.85	-9.32
sh235	44 03.37	106 46.31	5090.0	980076.92	21.81	-151.79	2.72	-150.50	17.01
sh236	44 03.43	106 47.94	5172.0	980075.82	28.33	-148.08	5.23	-144.28	23.98
sh237	44 08.26	106 48.45	5847.0	980045.59	54.25	-145.18	4.20	-142.47	25.06
sh238	44 07.91	106 47.91	5536.0	980062.15	42.11	-146.71	3.63	-144.54	22.83
sh239	44 07.60	106 47.00	5361.0	980066.91	30.89	-151.96	2.86	-150.55	16.45
sh240	44 07.45	106 46.39	5268.0	980069.49	24.95	-154.72	2.54	-153.62	13.12
sh241	44 07.51	106 45.54	5150.0	980072.72	17.01	-158.64	2.17	-157.90	8.42
sh242	44 07.37	106 42.68	4850.7	980080.16	-3.47	-168.91	1.34	-168.97	-4.06
sh244	44 11.23	107 16.27	8729.0	979902.49	177.43	-120.29	5.67	-116.01	58.13
sh245	44 12.75	107 17.75	8338.0	979930.37	166.29	-118.09	5.43	-114.10	59.95
sh246	44 07.78	107 14.64	7278.0	979979.21	123.05	-125.18	6.50	-120.19	54.31
sh247	44 06.23	107 16.07	6581.3	980014.71	95.43	-129.04	8.00	-122.56	52.09
sh248	44 05.70	107 17.22	6006.0	980047.93	75.39	-129.46	9.11	-121.85	52.83
sh249	44 04.97	107 18.52	5407.2	980085.44	57.73	-126.70	10.59	-117.56	57.14
sh250	44 04.23	107 20.83	5012.0	980117.20	53.46	-117.48	7.47	-111.42	63.13
sh251	44 03.29	107 23.34	4610.2	980136.08	36.00	-121.24	3.07	-119.53	54.78
sh252	44 02.86	107 25.56	4520.4	980139.03	31.15	-123.02	1.70	-122.67	51.33
sh253	44 04.14	106 56.65	7925.0	979932.93	143.04	-127.26	3.25	-125.49	45.96
sh254	44 03.31	106 55.93	7872.0	979932.29	138.67	-129.82	3.23	-128.07	43.22
sh255	44 02.57	106 53.92	7864.0	979926.32	133.07	-135.15	4.52	-132.11	38.53
sh256	44 02.16	106 50.86	7517.0	979937.19	111.95	-144.43	6.15	-139.78	29.72
sh257	44 00.84	106 52.06	7572.0	979934.41	116.33	-141.93	4.82	-138.60	31.58
sh258	44 00.36	106 54.45	7872.0	979920.10	130.93	-137.57	3.78	-135.26	35.84
sh259	44 00.50	106 57.64	7935.0	979920.38	136.91	-133.73	3.20	-132.00	40.15
sh260	44 01.21	106 55.67	7852.0	979926.64	134.30	-133.50	3.28	-131.71	39.73
sh261	44 06.46	106 59.37	8360.0	979910.54	158.01	-127.12	4.36	-124.20	47.80
sh262	44 55.76	107 12.74	3898.0	980220.38	-25.78	-158.73	1.11	-158.86	-8.38
sh263	44 56.53	107 14.96	4035.9	980212.93	-21.43	-159.08	1.10	-159.25	-8.63
sh264	44 59.33	107 16.92	4265.0	980203.17	-13.88	-159.35	1.00	-159.66	-10.77

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh265	44 56.34	107 16.72	4115.7	980209.05	-17.52	-157.89	1.32	-157.86	-6.43
sh266	44 56.75	107 18.94	4228.2	980206.42	-10.20	-154.41	1.60	-154.11	-2.27
sh267	44 59.58	107 23.71	4416.0	980205.20	1.96	-148.65	1.41	-148.57	2.36
sh268	44 59.32	107 25.37	4435.0	980207.35	6.29	-144.98	1.55	-144.76	6.92
sh269	44 58.47	107 27.01	4597.0	980200.76	16.21	-140.58	2.10	-139.84	13.08
sh270	44 59.48	107 29.11	4543.0	980205.73	14.58	-140.37	2.15	-139.57	13.07
sh271	44 58.14	107 33.73	5128.0	980177.53	43.38	-131.52	3.79	-129.16	25.84
sh272	44 57.98	107 31.33	5163.0	980173.17	42.55	-133.54	3.27	-131.70	22.84
sh273	44 55.56	107 24.32	4884.0	980184.28	31.09	-135.49	3.29	-133.60	21.05
sh274	44 53.65	107 23.51	5389.0	980149.51	46.66	-137.14	5.34	-133.25	22.75
sh275	44 53.70	107 20.80	4610.0	980191.32	15.18	-142.05	3.42	-139.99	15.14
sh276	44 54.26	107 17.31	4110.0	980209.91	-14.06	-154.24	2.02	-153.50	0.5
sh277	44 52.60	107 13.58	3947.0	980213.65	-23.13	-157.76	1.87	-157.14	-3.63
sh278	44 52.43	107 10.95	3925.0	980215.40	-23.20	-157.07	1.53	-156.79	-4.15
sh279	44 50.92	107 11.02	3975.0	980209.61	-22.01	-157.59	1.77	-157.07	-3.11
sh280	44 50.68	107 15.43	4146.0	980205.33	-9.86	-151.27	2.99	-149.56	6.29
sh281	44 49.61	107 14.43	4483.0	980180.17	-1.73	-154.63	2.92	-153.05	3.32
sh282	44 47.30	107 13.37	4382.0	980184.15	-3.76	-153.22	4.07	-150.47	7.45
sh283	44 47.28	107 10.63	4501.0	980170.44	-6.25	-159.77	2.45	-158.66	-1.80
sh284	44 44.63	107 07.99	4080.0	980191.99	-20.27	-159.43	3.12	-157.58	0.45
sh285	44 43.10	107 08.93	4231.0	980181.36	-14.40	-158.71	4.79	-155.22	4.42
sh286	44 41.84	107 08.09	4564.0	980157.59	-4.98	-160.64	4.43	-157.56	2.72
sh287	44 45.31	107 05.62	3991.0	980199.54	-22.12	-158.24	2.21	-157.29	-0.80
sh288	44 46.37	107 02.07	3876.0	980213.10	-20.96	-153.16	1.51	-152.89	1.21
sh289	44 47.03	107 00.47	3864.0	980217.13	-19.06	-150.85	1.19	-150.89	1.97
sh290	44 13.38	106 48.66	5861.0	980050.90	53.15	-146.75	4.82	-143.42	22.97
sh291	44 13.40	106 48.87	5938.0	980047.67	57.12	-145.40	5.54	-141.36	25.12
sh292	44 12.06	106 40.25	4932.4	980077.10	-5.92	-174.15	1.01	-174.54	-12.15
sh293	44 10.67	106 39.64	4922.6	980075.06	-6.79	-174.69	0.90	-175.19	-12.72
sh294	44 09.13	106 38.96	4885.8	980073.44	-9.55	-176.19	0.83	-176.76	-14.22

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh295	44 07.74	106 38.38	4816.0	980073.50	-13.95	-178.21	0.77	-178.83	-16.23
sh296	44 04.98	106 37.93	4624.7	980078.24	-23.03	-180.76	0.71	-181.42	-18.35
sh297	44 02.43	106 38.27	4656.1	980071.80	-22.67	-181.48	0.61	-182.24	-18.43
sh298	44 06.00	106 36.20	4612.0	980079.98	-24.02	-181.32	0.56	-182.12	-20.16
sh299	44 07.34	106 34.96	4605.0	980083.15	-23.53	-180.59	0.47	-181.48	-20.50
sh300	44 09.94	106 35.98	4795.0	980078.39	-14.35	-177.89	0.66	-178.62	-17.85
sh301	44 10.82	106 34.71	4610.0	980090.76	-20.70	-177.93	0.52	-178.77	-18.91
sh302	44 07.35	106 30.16	4422.0	980091.57	-32.32	-183.14	0.30	-184.17	-25.54
sh303	44 00.40	106 33.49	4677.0	980066.05	-23.40	-182.92	0.36	-183.92	-21.95
sh304	44 02.16	106 34.01	4765.0	980061.02	-22.81	-185.33	0.48	-186.23	-24.43
sh305	44 47.63	107 32.15	8055.0	979995.00	151.72	-123.01	4.51	-119.97	42.61
sh306	44 49.20	107 31.79	7672.0	980017.35	135.72	-125.95	4.08	-123.36	38.13
sh307	44 50.24	107 30.18	7480.0	980029.70	128.46	-126.66	4.15	-124.01	36.37
sh308	44 52.27	107 31.31	8461.0	979964.87	152.73	-135.85	9.41	-127.87	31.13
sh309	44 53.06	107 33.23	8530.0	979957.16	150.31	-140.62	13.78	-128.26	30.51
sh310	44 51.79	107 26.74	8093.0	979986.08	140.10	-135.93	9.06	-128.34	29.94
sh311	44 51.36	107 28.86	7743.0	980011.14	132.93	-131.17	5.30	-127.35	31.84
sh312	44 49.29	107 43.34	8772.0	979951.17	172.74	-126.45	5.58	-122.26	40.43
sh313	44 48.39	107 46.30	8776.0	979951.02	174.32	-125.00	6.13	-120.26	43.03
sh314	44 55.31	107 43.67	8023.0	979998.16	140.29	-133.36	10.18	-124.64	34.24
sh315	44 54.25	107 44.78	8423.0	979973.21	154.51	-132.77	9.68	-124.52	35.21
sh316	44 53.75	107 46.99	9013.0	979938.18	175.66	-131.75	10.48	-122.63	37.59
sh317	44 53.65	107 48.89	9451.0	979909.57	188.33	-134.01	13.13	-122.17	38.20
sh318	44 53.68	107 51.45	9576.0	979905.34	195.80	-130.81	10.52	-121.55	38.94
sh319	44 55.31	107 50.88	9566.0	979908.54	195.60	-130.67	11.26	-120.68	38.78
sh320	44 20.60	107 00.55	8641.0	979921.63	174.17	-120.55	5.90	-116.05	53.17
sh321	44 00.28	107 07.68	7773.0	979940.25	141.90	-123.22	3.24	-121.46	52.89
sh322	44 02.55	107 08.11	8424.0	979906.32	165.70	-121.62	4.61	-118.44	55.76
sh323	44 01.17	107 11.25	7442.0	979962.48	131.69	-122.14	4.79	-118.85	55.80
sh324	44 04.78	107 07.67	8701.0	979891.43	173.47	-123.29	4.87	-119.82	54.15

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh325	44 06.94	107 07.24	9015.0	979876.87		185.15	-122.33	6.01	-117.68	56.02
sh326	44 08.13	107 07.32	9022.0	979878.64		185.78	-121.94	4.95	-118.34	55.27
sh327	44 08.10	107 04.84	9173.0	979869.28		190.65	-122.22	5.13	-118.42	54.71
sh328	44 06.48	107 05.43	8867.0	979882.01		177.08	-125.35	4.75	-121.97	51.47
sh329	44 00.29	107 04.05	8163.0	979912.34		150.61	-127.81	3.38	-125.88	47.87
sh330	44 45.88	107 34.48	8045.0	979996.35		154.77	-119.62	4.24	-116.85	47.19
sh331	44 45.47	107 37.29	8153.0	979986.08		155.26	-122.81	5.63	-118.64	45.87
sh332	44 44.38	107 40.60	8608.0	979953.75		167.32	-126.27	6.91	-120.77	44.40
sh333	44 45.51	107 43.02	8921.0	979933.61		174.88	-129.39	8.08	-122.68	41.97
sh334	44 45.74	107 44.65	9149.0	979919.54		181.87	-130.17	7.83	-123.68	40.84
sh335	44 45.53	107 46.61	9444.0	979898.20		188.56	-133.55	11.11	-123.72	40.86
sh336	44 49.10	107 51.58	8994.0	979939.11		181.81	-124.95	7.12	-119.19	43.77
sh337	44 48.26	107 56.87	8210.0	979971.23		141.57	-138.45	13.17	-126.74	36.51
sh338	44 47.73	107 59.07	5688.0	980117.36		51.54	-142.46	10.23	-133.71	29.79
sh339	44 49.01	107 54.10	9962.0	979865.44		199.20	-140.58	20.04	-121.73	41.17
sh340	44 49.19	107 48.92	9095.0	979932.68		184.74	-125.47	6.62	-120.19	42.71
sh341	44 47.23	107 48.35	9266.0	979917.27		188.35	-127.69	7.80	-121.20	42.60
sh342	44 42.63	107 42.92	9801.0	979874.66		202.92	-131.36	11.51	-121.07	44.76
sh343	44 41.77	107 40.84	9697.0	979881.24		201.04	-129.70	10.04	-120.90	45.32
sh344	44 40.88	107 34.51	9472.0	979900.47		200.48	-122.58	7.07	-116.80	49.78
sh345	44 40.01	107 32.92	9608.0	979892.06		206.15	-121.55	7.30	-115.51	51.36
sh346	44 38.69	107 31.71	9281.0	979913.59		198.96	-117.59	5.98	-112.93	54.56
sh347	44 38.40	107 30.17	9033.0	979930.67		193.18	-114.91	5.22	-111.04	56.52
sh348	44 34.14	107 32.07	7512.8	980013.89		140.03	-116.21	6.91	-110.80	58.72
sh349	44 32.85	107 30.14	7649.1	980005.99		146.88	-114.01	8.10	-107.40	62.59
sh350	44 34.80	107 35.05	6782.5	980050.68		107.21	-124.12	11.32	-114.32	54.99
sh351	44 40.40	107 29.41	8743.3	979949.57		181.85	-116.35	4.68	-113.07	53.43
sh352	44 42.10	107 29.83	8561.3	979961.50		174.12	-117.88	4.60	-114.69	50.94
sh353	44 21.75	106 46.97	5115.0	980093.17		12.69	-161.77	2.54	-160.65	1.94
sh354	44 21.81	106 49.19	5404.0	980077.16		23.75	-160.56	3.56	-158.46	5.29

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh355	44 24.23	106 52.20	5845.0	980052.56		36.95	-162.41	5.53	-158.37	5.82
sh356	44 11.34	107 14.87	8343.0	979928.13		166.65	-117.90	4.83	-114.51	59.64
sh357	44 14.68	107 13.29	8901.0	979900.19		186.09	-117.50	5.84	-113.03	60.59
sh358	44 15.70	107 12.83	9077.0	979891.75		192.64	-116.95	6.11	-112.19	61.22
sh359	44 11.52	107 42.22	4162.0	980155.42		0.80	-141.15	0.72	-141.72	28.98
sh360	44 14.90	107 48.80	4036.0	980154.97		-16.59	-154.24	0.44	-155.07	14.45
sh361	44 13.47	107 45.90	4168.0	980151.60		-5.39	-147.55	0.45	-148.39	21.61
sh362	44 12.69	107 44.73	4125.0	980155.20		-4.66	-145.35	0.52	-146.12	24.12
sh363	44 13.17	107 42.33	4278.0	980152.45		6.24	-139.67	0.64	-140.34	30.28
sh364	44 14.27	107 40.52	4362.6	980148.37		8.46	-140.34	0.89	-140.77	30.18
sh365	44 14.25	107 35.60	4484.0	980148.40		19.93	-133.01	1.56	-132.79	39.16
sh366	44 12.34	107 34.14	4675.0	980135.62		27.98	-131.47	1.43	-131.41	40.85
sh367	44 05.48	107 10.71	8358.0	979908.98		157.75	-127.32	5.09	-123.67	50.62
sh368	44 04.17	107 11.45	8212.0	979913.36		150.38	-129.71	5.60	-125.56	48.88
sh369	44 04.62	107 14.89	7542.0	979960.79		134.19	-123.05	4.39	-120.16	54.44
sh370	44 08.10	107 17.37	7650.0	979962.14		140.44	-120.48	4.94	-117.03	57.38
sh371	44 06.36	107 19.78	6516.0	980029.90		104.29	-117.96	5.04	-114.43	60.03
sh372	44 05.35	107 22.45	5473.0	980091.38		69.28	-117.39	3.06	-115.79	58.52
sh373	44 07.39	107 21.30	6512.0	980026.41		98.87	-123.24	4.67	-120.08	54.21
sh374	44 06.04	107 23.83	5444.0	980086.09		60.22	-125.46	3.11	-123.81	50.31
sh375	44 05.15	107 25.29	5313.0	980089.52		52.68	-128.53	3.11	-126.86	47.07
sh376	44 04.57	107 27.99	4444.0	980141.74		24.10	-127.47	1.71	-127.09	46.48
sh377	44 06.68	107 27.37	4682.0	980127.23		28.78	-130.91	2.43	-129.85	43.77
sh378	44 08.78	107 27.30	4890.0	980122.05		39.99	-126.80	2.60	-125.59	48.01
sh379	44 10.59	107 28.73	4890.0	980125.98		41.18	-125.60	2.62	-124.38	48.93
sh380	44 12.14	107 30.61	5124.0	980112.78		47.64	-127.13	3.03	-125.52	47.42
sh381	44 12.20	107 27.31	5623.0	980084.33		66.00	-125.79	3.33	-123.93	49.55
sh382	44 12.30	107 24.60	6630.0	980025.36		101.49	-124.64	4.81	-121.34	52.42
sh383	44 12.87	107 21.80	7740.0	979964.07		143.63	-120.36	5.34	-116.51	57.40
sh384	44 13.33	107 19.40	8447.0	979924.16		169.45	-118.65	5.82	-114.26	59.71

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh385	44 13.08	107 15.09	9055.0	979886.91	189.68	-119.16	5.70	-114.81	59.10
sh386	44 16.99	107 14.08	9986.0	979838.98	223.29	-117.30	7.65	-110.83	62.35
sh387	44 18.04	107 15.40	10040.0	979834.82	222.63	-119.81	8.35	-112.63	60.48
sh388	44 18.05	107 18.96	9297.0	979876.96	194.97	-122.12	7.38	-116.06	57.28
sh389	44 16.19	107 20.25	8940.0	979895.32	182.60	-122.31	7.54	-116.14	57.46
sh390	44 10.34	107 22.33	6860.0	980008.86	109.57	-124.41	5.89	-120.04	54.03
sh391	44 14.55	107 22.47	7902.0	979955.95	148.20	-121.32	7.21	-115.58	58.16
sh392	44 14.39	107 24.32	7042.0	980006.74	118.43	-121.75	5.26	-118.00	55.67
sh393	44 14.54	107 29.21	5348.0	980104.89	57.18	-125.22	3.13	-123.54	49.58
sh394	44 15.27	107 31.76	4975.0	980126.45	42.59	-127.10	2.88	-125.62	47.06
sh395	44 16.12	107 34.11	4617.0	980148.17	29.38	-128.09	2.30	-127.15	45.08
sh396	44 17.88	107 31.17	5418.0	980105.85	59.68	-125.11	4.27	-122.30	50.37
sh397	44 18.74	107 26.74	7391.0	979989.74	127.66	-124.42	6.95	-118.98	54.08
sh398	44 03.86	107 21.68	4898.1	980124.73	50.84	-116.22	5.38	-112.23	62.25
sh399	44 04.63	107 19.77	5191.0	980100.46	52.95	-124.10	10.06	-115.48	59.16
sh400	44 29.72	107 58.64	3969.8	980182.44	-17.69	-153.09	0.49	-153.85	13.47
sh401	44 31.24	107 56.40	3988.1	980194.20	-6.50	-142.52	0.80	-142.98	24.41
sh402	44 31.83	107 51.70	4107.6	980192.59	2.23	-137.87	1.34	-137.81	30.15
sh403	44 31.89	107 50.54	4136.0	980192.36	4.58	-136.49	1.54	-136.24	31.88
sh404	44 32.05	107 46.74	4226.0	980192.41	12.84	-131.29	2.65	-129.94	38.78
sh405	44 33.58	107 43.70	4350.0	980189.34	19.12	-129.24	5.76	-124.80	44.14
sh406	44 33.88	107 42.75	4376.8	980186.81	18.66	-130.62	8.44	-123.51	45.51
sh407	44 34.62	107 28.93	9097.8	979921.65	195.95	-114.35	5.86	-109.83	59.27
sh408	44 36.18	107 27.37	9529.0	979898.60	211.05	-113.96	6.46	-108.77	59.55
sh409	44 33.79	107 27.32	8909.0	979935.14	192.96	-110.90	5.42	-106.85	62.57
sh410	44 30.35	107 27.23	9144.0	979913.43	198.51	-113.37	6.04	-108.66	61.96
sh411	44 30.85	107 24.93	9000.0	979926.38	197.18	-109.78	5.58	-105.56	64.82
sh412	44 31.48	107 24.27	9252.0	979911.78	205.30	-110.26	5.65	-105.93	64.15
sh413	44 21.96	107 23.90	9320.0	979879.69	193.96	-123.92	8.88	-116.35	56.29
sh414	44 24.09	107 23.21	9266.0	979892.87	198.86	-117.18	6.01	-112.49	59.77

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh415	44 24.99	107 24.34	9083.0	979907.33	194.77	-115.03	6.23	-110.14	61.93
sh416	44 23.09	107 28.70	8122.0	979956.13	156.17	-120.85	6.75	-115.56	56.70
sh417	44 24.83	107 26.72	8684.0	979930.12	180.32	-115.86	5.91	-111.35	60.73
sh418	44 28.11	107 27.61	8643.3	979939.73	181.16	-113.63	5.97	-109.07	62.24
sh419	44 26.92	107 29.96	8609.0	979935.49	175.50	-118.13	6.15	-113.39	58.05
sh420	44 26.91	107 33.58	7331.0	980010.91	130.87	-119.17	4.86	-115.82	55.40
sh421	44 22.95	107 33.63	6555.1	980049.35	102.39	-121.19	3.97	-118.73	53.07
sh422	44 20.86	107 34.05	5600.5	980099.87	66.36	-124.66	3.38	-122.75	49.23
sh423	44 19.53	107 36.95	4772.4	980143.93	34.60	-128.17	2.36	-127.19	44.36
sh424	44 17.87	107 37.22	4634.0	980148.13	28.29	-129.76	1.85	-129.27	42.27
sh425	44 48.31	107 59.02	6860.0	980047.56	90.99	-142.98	12.56	-131.94	31.29
sh426	44 47.98	107 57.90	7288.0	980022.95	107.09	-141.48	12.66	-130.33	33.04
sh427	44 51.91	107 59.10	8042.0	979990.01	139.05	-135.24	8.96	-127.74	33.91
sh428	44 53.47	107 59.52	7839.0	980005.70	133.32	-134.04	8.45	-127.07	33.85
sh429	44 53.24	107 58.57	7896.0	979999.87	133.19	-136.12	10.46	-127.14	33.89
sh430	44 51.21	107 54.02	8554.0	979967.41	165.60	-126.15	6.91	-120.65	41.33
sh431	44 52.15	107 51.70	9831.0	979883.59	200.31	-135.00	13.77	-122.44	38.90
sh432	44 58.26	107 52.79	9118.0	979936.76	177.30	-133.69	11.03	-124.00	33.71
sh433	44 57.14	107 54.75	8607.0	979967.03	161.25	-132.31	10.74	-122.98	35.68
sh434	44 57.97	107 59.08	6034.0	980123.39	74.64	-131.17	5.64	-127.02	31.54
sh435	44 55.27	107 53.34	8901.0	979948.11	172.77	-130.82	8.86	-123.33	36.36
sh436	44 50.29	107 50.00	8951.0	979943.38	180.26	-125.04	6.22	-120.18	42.18
sh437	44 58.87	107 47.03	8403.0	979977.52	149.97	-136.63	10.72	-127.34	29.34
sh438	44 55.96	107 45.86	8231.0	979990.45	151.14	-129.60	7.84	-123.21	35.45
sh439	44 55.17	107 47.60	8846.0	979952.63	172.27	-129.44	8.54	-122.28	37.06
sh440	44 51.75	107 42.73	8835.0	979947.67	171.45	-129.89	7.01	-124.26	36.89
sh441	44 49.51	107 39.01	8661.0	979954.99	165.80	-129.60	5.90	-125.11	37.11
sh442	44 47.10	107 40.75	9568.0	979895.63	195.27	-131.07	9.53	-122.80	40.87
sh443	44 33.83	107 49.31	4230.0	980190.62	8.75	-135.52	2.34	-134.49	33.56
sh444	44 36.10	107 49.88	4455.0	980179.79	15.64	-136.31	2.89	-134.76	32.82

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh445	44 37.98	107 48.68	5011.0	980155.72	40.98	-129.93	5.39	-125.95	41.36
sh446	44 37.36	107 51.61	4667.0	980168.45	22.32	-136.86	2.65	-135.57	31.53
sh447	44 41.56	107 49.31	5696.0	980115.16	59.40	-134.88	7.04	-129.31	36.92
sh448	44 40.76	107 45.62	7917.0	979981.43	135.56	-134.47	10.74	-125.21	41.37
sh449	44 41.10	107 47.44	7059.0	980032.33	105.33	-135.43	9.52	-127.42	38.99
sh450	44 41.36	107 46.99	6888.0	980039.81	96.36	-138.57	11.81	-128.28	38.10
sh451	44 41.56	107 47.92	6620.0	980057.11	88.17	-137.62	10.98	-128.15	38.11
sh452	44 41.65	107 48.60	5925.0	980101.21	66.84	-135.25	8.43	-128.31	37.93
sh453	44 41.27	107 50.02	5472.0	980128.55	52.18	-134.46	5.99	-129.93	36.35
sh454	44 40.69	107 50.62	5246.0	980140.80	44.06	-134.86	5.25	-131.05	35.36
sh455	44 45.11	107 55.23	6239.0	980084.36	74.27	-138.52	6.65	-133.38	31.22
sh456	44 44.25	107 54.02	6018.0	980096.44	66.88	-138.37	7.14	-132.73	32.26
sh457	44 35.20	107 36.71	6272.9	980078.71	86.75	-127.20	12.63	-116.07	53.06
sh458	44 35.51	107 32.07	7990.1	979986.85	155.76	-116.76	6.61	-111.62	57.37
sh459	44 39.18	107 41.18	8762.0	979932.66	168.55	-130.30	8.17	-123.52	43.76
sh460	44 37.35	107 41.12	8350.0	979951.34	151.28	-133.51	11.01	-123.94	43.98
sh461	44 37.88	107 34.36	9813.0	979868.75	205.31	-129.39	13.47	-117.13	50.71
sh462	44 37.57	107 32.70	9721.0	979880.29	208.68	-122.88	10.01	-114.11	53.83
sh463	44 34.09	107 12.42	8287.0	979958.05	156.99	-125.66	4.99	-122.11	44.68
sh464	44 56.65	107 04.30	4037.0	980217.46	-16.98	-154.67	0.62	-155.31	-8.75
sh465	44 58.42	107 01.69	3914.0	980229.34	-19.33	-152.82	1.09	-152.98	-8.76
sh466	44 59.67	107 04.21	4086.0	980216.09	-18.30	-157.66	1.24	-157.69	-13.54
sh467	44 57.60	106 58.87	3706.0	980244.95	-22.04	-148.44	0.63	-149.01	-5.19
sh468	44 59.74	106 57.91	3733.0	980244.89	-22.79	-150.11	0.37	-150.95	-9.05
sh469	44 55.84	106 53.91	3783.0	980237.60	-19.49	-148.52	0.41	-149.33	-6.02
sh470	44 55.58	106 55.84	3579.0	980250.70	-25.18	-147.25	0.46	-147.96	-3.74
sh471	44 56.32	107 34.68	6882.0	980065.92	99.33	-135.40	9.62	-127.29	29.33
sh472	44 18.79	107 58.15	4143.0	980137.47	-29.89	-171.20	0.19	-172.30	-3.85
sh473	44 18.79	107 54.49	4349.0	980133.38	-14.62	-162.95	0.31	-163.96	4.69
sh474	44 22.41	107 56.92	4448.0	980135.41	-8.75	-160.46	0.69	-161.10	7.04

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh475	44 24.31	107 55.83	4358.0	980147.84		-7.65	-156.29	0.39	-157.22	10.87
sh476	44 26.61	107 58.15	4693.0	980128.60		1.13	-158.93	1.17	-159.14	8.53
sh477	44 23.13	107 50.50	4374.0	980152.37		0.17	-149.02	0.61	-149.73	19.11
sh478	44 22.44	107 47.09	4536.0	980146.78		10.84	-143.87	0.87	-144.35	25.09
sh479	44 21.33	107 48.86	4552.0	980139.25		6.50	-148.76	0.85	-149.26	19.93
sh480	44 18.75	107 48.43	4220.0	980153.20		-6.86	-150.80	0.55	-151.55	17.83
sh481	44 16.71	107 49.55	4203.5	980146.61		-11.94	-155.31	0.41	-156.19	13.12
sh482	44 18.28	107 52.00	4139.9	980150.77		-16.12	-157.32	0.29	-158.32	10.61
sh483	44 28.61	107 50.10	4387.0	980175.74		16.49	-133.13	1.11	-133.35	35.16
sh484	44 27.47	107 48.08	4676.0	980160.19		29.82	-129.66	1.23	-129.80	39.15
sh485	44 26.16	107 45.66	5210.0	980127.28		49.08	-128.62	1.87	-128.18	41.27
sh486	44 28.33	107 45.65	4612.0	980168.01		30.33	-126.97	1.87	-126.46	42.85
sh487	44 24.84	107 42.04	5579.0	980106.55		65.02	-125.27	2.10	-124.63	45.58
sh488	44 24.61	107 38.87	5996.0	980083.48		81.48	-123.03	2.67	-121.86	48.94
sh489	44 24.33	107 36.01	6452.0	980058.15		99.42	-120.64	3.48	-118.67	52.61
sh490	44 22.94	107 39.08	5698.0	980096.40		68.92	-125.43	2.46	-124.44	46.45
sh491	44 22.71	107 41.50	4896.0	980140.98		38.47	-128.52	2.37	-127.55	42.93
sh492	44 20.50	107 44.81	4550.0	980143.02		11.33	-143.86	1.04	-144.17	25.77
sh493	44 18.67	107 42.63	4621.0	980138.75		16.49	-141.12	1.24	-141.24	29.18
sh494	44 16.16	107 42.08	4443.0	980144.57		9.36	-142.17	0.98	-142.53	28.06
sh495	44 32.51	107 31.91	9138.0	979903.73		184.99	-126.68	14.39	-113.63	56.22
sh496	44 29.52	107 32.37	8506.0	979946.43		172.84	-117.27	6.27	-112.43	58.26
sh497	44 29.96	107 34.70	7726.0	979992.63		145.10	-118.41	5.60	-114.30	56.20
sh498	44 30.72	107 36.83	7287.0	980017.05		127.13	-121.40	5.33	-117.58	52.55
sh499	44 31.92	107 38.73	7122.0	980024.80		117.57	-125.34	7.74	-119.11	50.57
sh500	44 31.23	107 40.82	6009.0	980089.99		79.23	-125.72	5.42	-121.80	47.83
sh501	44 32.11	107 43.24	4559.0	980176.11		27.75	-127.74	4.82	-124.27	44.98
sh502	44 40.83	107 55.30	4925.0	980157.29		30.18	-137.80	2.48	-136.72	29.19
sh503	44 44.33	107 20.22	8413.0	979961.85		157.18	-129.77	8.13	-123.07	39.12
sh504	44 41.62	107 22.40	9345.0	979906.47		193.43	-125.30	8.90	-117.70	46.80

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh505	44 36.15	107 07.17	7301.0	980004.59	107.80	-141.22	5.87	-136.86	26.95
sh506	44 34.52	107 07.17	7425.0	979998.60	115.91	-137.33	5.39	-133.45	31.41
sh507	44 33.07	107 07.60	7917.0	979970.99	136.71	-133.31	5.81	-128.98	36.91
sh508	44 33.51	107 09.23	7828.0	979979.09	135.79	-131.20	5.31	-127.38	38.81
sh509	44 32.14	107 12.06	8750.0	979930.04	175.42	-123.02	5.61	-118.80	48.93
sh510	44 33.06	107 12.74	8288.0	979960.38	160.97	-121.71	5.07	-118.09	49.40
sh511	44 35.55	107 16.90	8779.0	979938.15	181.11	-118.32	5.54	-114.17	52.88
sh512	44 30.07	107 14.67	8894.0	979924.68	186.70	-116.65	6.84	-111.18	58.22
sh513	44 28.27	107 14.97	9284.0	979896.27	197.64	-119.01	11.66	-108.66	61.53
sh514	44 27.75	107 15.07	9285.0	979891.66	193.91	-122.78	14.32	-109.77	60.67
sh515	44 25.29	107 13.31	10097.0	979841.95	224.17	-120.21	8.82	-112.55	58.36
sh516	44 24.99	107 15.62	9985.0	979851.38	223.53	-117.03	8.64	-109.57	61.86
sh517	44 22.61	107 19.11	9785.0	979855.38	212.34	-121.40	10.72	-111.90	60.53
sh518	44 22.13	107 18.05	9773.0	979857.48	214.04	-119.29	9.65	-110.87	61.61
sh519	44 21.28	107 16.12	9275.0	979883.16	194.23	-122.12	9.89	-113.54	59.08
sh520	44 21.10	107 15.07	9274.0	979876.91	188.16	-128.15	14.15	-115.32	57.23
sh521	44 20.46	107 12.90	10237.0	979826.17	228.82	-120.33	8.65	-112.81	59.47
sh522	44 19.60	107 13.04	9969.0	979841.14	219.92	-120.10	8.73	-112.55	60.01
sh523	44 19.10	107 13.29	9969.0	979840.62	220.16	-119.86	8.60	-112.45	60.24
sh524	44 16.66	107 08.23	10337.0	979812.13	229.91	-122.66	11.20	-112.56	59.81
sh525	44 56.02	107 08.01	3814.0	980228.35	-26.10	-156.19	0.82	-156.59	-8.11
sh526	44 56.97	107 09.37	3958.0	980219.10	-23.25	-158.24	0.86	-158.63	-10.44
sh527	44 43.84	107 06.53	4342.0	980173.83	-12.62	-160.71	2.51	-159.52	-1.47
sh528	44 42.51	107 06.06	4680.0	980149.30	-3.37	-162.99	2.97	-161.39	-2.50
sh529	44 43.34	107 03.18	4703.0	980150.44	-1.32	-161.73	3.04	-160.06	-3.06
sh530	44 44.67	107 02.82	4551.0	980163.53	-4.53	-159.75	2.90	-158.20	-2.43
sh531	44 45.60	107 00.72	4226.0	980190.11	-9.90	-154.03	1.30	-154.03	0.9
sh532	44 44.03	106 59.56	4077.0	980196.03	-15.61	-154.67	1.32	-154.62	0.26
sh533	44 42.28	107 00.76	4202.0	980182.83	-14.42	-157.74	1.90	-157.14	-0.32
sh534	44 42.28	106 58.49	3871.0	980198.82	-29.55	-161.57	1.93	-160.88	-5.09

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh535	44 43.57	106 57.34	3895.0	980207.35	-20.70	-153.55	1.29	-153.50	0.75
sh536	44 44.88	106 56.78	3846.0	980214.15	-20.49	-151.66	1.08	-151.81	1.15
sh537	44 32.28	106 48.40	4777.6	980112.67	-15.40	-178.35	1.58	-178.15	-20.35
sh538	44 35.38	106 50.04	4665.5	980128.65	-14.63	-173.76	1.69	-173.44	-16.78
sh539	44 32.67	106 49.52	4764.0	980114.60	-15.33	-177.82	1.93	-177.27	-19.12
sh540	44 37.83	106 50.10	4288.0	980161.63	-20.83	-167.08	1.33	-167.06	-12.03
sh541	44 36.66	106 48.07	4326.0	980152.49	-24.63	-172.18	1.31	-172.19	-17.38
sh542	44 34.77	106 47.72	4481.0	980136.67	-23.03	-175.87	1.57	-175.64	-19.77
sh543	44 33.83	106 46.79	4727.0	980117.81	-17.35	-178.57	1.28	-178.67	-22.68
sh544	44 40.06	106 50.09	4195.0	980175.61	-18.95	-162.03	1.16	-162.16	-8.72
sh545	44 42.09	106 50.99	4089.0	980188.64	-18.95	-158.41	1.09	-158.60	-6.20
sh546	44 43.42	106 50.06	4109.0	980190.84	-16.88	-157.02	1.27	-157.03	-6.05
sh547	44 42.52	106 45.22	3973.0	980194.18	-24.96	-160.47	0.85	-160.87	-11.47
sh548	44 44.45	106 44.69	3904.0	980201.00	-27.54	-160.69	0.87	-161.06	-13.23
sh549	44 45.77	106 45.03	3859.0	980204.85	-29.91	-161.53	1.02	-161.74	-14.68
sh550	44 47.63	106 45.49	3775.0	980211.90	-33.56	-162.31	0.66	-162.87	-16.92
sh551	44 48.91	106 42.85	4383.0	980167.97	-22.27	-171.76	0.68	-172.41	-28.41
sh552	44 50.41	106 39.86	4565.0	980153.38	-22.02	-177.72	0.97	-178.10	-36.21
sh553	44 49.60	106 38.52	4542.0	980153.25	-23.09	-178.00	0.67	-178.68	-36.77
sh554	44 50.68	106 38.47	4435.0	980162.25	-25.78	-177.04	0.51	-177.87	-36.66
sh555	44 48.59	106 39.39	4055.0	980185.10	-35.49	-173.79	0.74	-174.32	-31.43
sh556	44 47.22	106 36.73	4242.0	980170.99	-29.96	-174.64	0.74	-175.20	-32.45
sh557	44 46.84	106 35.23	4332.0	980164.53	-27.38	-175.13	0.78	-175.67	-33.25
sh558	44 47.46	106 41.10	3897.0	980196.92	-36.81	-169.73	0.74	-170.23	-25.94
sh559	44 41.11	106 44.68	4022.0	980186.32	-26.09	-163.26	0.97	-163.56	-13.43
sh560	44 39.70	106 44.89	4095.0	980177.09	-26.33	-166.00	1.19	-166.08	-14.90
sh561	44 38.50	106 44.42	4183.0	980166.42	-26.92	-169.59	1.16	-169.72	-17.96
sh562	44 43.13	106 43.21	4006.0	980190.93	-26.03	-162.66	1.05	-162.87	-14.79
sh563	44 41.73	106 41.98	4048.0	980184.62	-26.28	-164.35	1.14	-164.47	-16.01
sh564	44 40.37	106 41.54	4132.0	980175.06	-25.89	-166.82	1.10	-167.01	-17.85

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh565	44 38.74	106 37.84	4464.0	980146.21	-21.07	-173.33	0.62	-174.05	-25.56
sh566	44 38.73	106 32.73	4314.0	980158.83	-22.54	-169.67	0.64	-170.35	-24.10
sh567	44 37.93	106 35.07	4609.0	980134.02	-18.42	-175.62	0.46	-176.52	-28.80
sh568	44 35.44	106 34.19	4224.0	980152.02	-32.84	-176.91	0.62	-177.59	-28.83
sh569	44 46.24	106 54.40	3907.0	980213.29	-17.66	-150.92	0.85	-151.31	-0.50
sh570	44 48.36	106 54.21	3784.0	980225.54	-20.18	-149.24	0.63	-149.83	-0.74
sh571	44 46.71	106 50.08	3893.0	980211.10	-21.88	-154.66	1.05	-154.85	-6.29
sh572	44 51.63	106 52.13	3714.0	980231.51	-25.72	-152.39	0.40	-153.19	-7.45
sh573	44 55.27	106 51.82	3572.0	980248.40	-27.66	-149.50	0.31	-150.36	-7.41
sh574	44 56.72	106 51.67	3554.0	980253.27	-26.68	-147.89	0.32	-148.74	-6.87
sh575	44 59.28	106 48.36	3566.0	980258.19	-24.49	-146.11	0.23	-147.06	-8.05
sh576	44 58.33	106 44.46	3617.0	980245.61	-30.84	-154.21	0.37	-155.02	-16.66
sh577	44 56.98	106 42.18	3694.0	980231.59	-35.59	-161.58	0.45	-162.33	-23.86
sh578	44 55.83	106 39.48	3734.0	980223.52	-38.16	-165.52	0.34	-166.39	-28.06
sh579	44 53.66	106 35.13	3844.0	980210.66	-37.41	-168.52	0.41	-169.34	-31.08
sh580	44 55.45	106 32.43	4465.0	980182.74	-9.67	-161.95	1.83	-161.46	-25.04
sh581	44 54.57	106 30.34	4454.0	980181.53	-10.58	-162.49	1.76	-162.07	-25.77
sh582	44 53.88	106 29.18	4315.0	980189.88	-14.25	-161.42	0.76	-161.97	-25.63
sh583	44 54.10	106 26.94	3873.0	980223.76	-22.25	-154.34	0.26	-155.32	-19.76
sh584	44 53.20	106 26.45	3917.0	980217.35	-23.16	-156.76	0.37	-157.63	-21.72
sh585	44 55.35	106 25.98	3810.0	980235.76	-18.05	-148.00	0.16	-149.06	-14.42
sh586	44 57.27	106 26.09	3789.0	980246.52	-12.16	-141.40	0.11	-142.51	-8.84
sh587	44 59.24	106 28.42	3916.0	980243.94	-5.78	-139.34	0.33	-140.25	-7.01
sh588	44 57.57	106 29.28	3807.0	980242.71	-14.74	-144.58	0.13	-145.68	-11.33
sh589	44 56.58	106 29.78	3879.0	980232.49	-16.70	-149.00	0.17	-150.06	-15.04
sh590	44 59.64	106 31.18	3843.0	980244.82	-12.37	-143.44	0.13	-144.54	-10.80
sh591	44 58.16	106 23.68	3762.0	980252.52	-10.05	-138.36	0.10	-139.47	-6.86
sh592	44 53.34	106 19.42	3954.0	980227.93	-9.32	-144.17	0.19	-145.24	-11.31
sh593	44 52.96	106 17.32	4244.0	980212.94	3.52	-141.23	0.38	-142.15	-8.55
sh594	44 50.63	106 15.84	4021.0	980228.22	1.36	-135.79	0.16	-136.89	-2.56

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh595	44 44.61	106 15.36	3781.0	980215.26		-25.08	-154.04	0.05	-155.21	-18.14
sh596	44 44.21	106 15.71	3790.0	980211.80		-27.09	-156.35	0.06	-157.51	-20.15
sh597	44 43.36	106 16.07	3737.0	980210.75		-31.84	-159.29	0.10	-160.40	-22.52
sh598	44 43.00	106 17.59	3768.3	980207.30		-31.80	-160.33	0.13	-161.42	-22.91
sh599	44 42.29	106 19.32	3801.4	980201.29		-33.63	-163.29	0.18	-164.33	-24.95
sh600	44 40.52	106 21.78	3859.1	980194.42		-32.41	-164.03	0.15	-165.11	-24.03
sh601	44 37.10	106 24.45	3934.0	980183.44		-31.19	-165.37	0.21	-166.41	-22.63
sh602	44 37.69	106 26.18	4003.0	980181.11		-27.93	-164.46	0.23	-165.49	-21.35
sh603	44 38.15	106 27.52	4075.0	980177.18		-25.78	-164.76	0.32	-165.72	-21.30
sh604	44 13.37	106 48.62	5838.8	980051.72		51.90	-147.24	4.75	-143.98	22.39
sh605	44 13.36	106 48.89	5941.0	980047.52		57.32	-145.31	5.63	-141.17	25.33
sh606	44 13.38	106 48.26	5924.4	980042.28		50.49	-151.58	4.28	-148.79	17.38
sh607	44 20.37	107 07.25	9771.0	979846.55		205.58	-127.68	14.63	-114.28	56.97
sh608	44 20.42	107 03.60	9282.0	979882.79		195.81	-120.77	7.57	-114.52	55.73
sh609	44 21.25	106 57.43	7865.0	979966.40		145.07	-123.18	4.70	-119.96	47.82
sh610	44 22.87	106 55.62	7946.0	979954.07		137.90	-133.11	6.62	-127.97	38.30
sh611	44 24.39	107 00.29	8375.0	979936.29		158.13	-127.52	8.74	-120.21	47.42
sh612	44 21.86	106 57.70	7703.0	979976.27		138.80	-123.93	5.38	-120.04	47.64
sh613	44 37.30	106 22.38	4013.0	980175.21		-32.29	-169.16	0.17	-170.26	-27.35
sh614	44 44.75	106 12.72	3731.0	980221.67		-23.58	-150.84	0.02	-152.02	-15.72
sh615	44 42.97	106 11.48	3901.0	980202.15		-24.44	-157.49	0.04	-158.69	-21.89
sh616	44 40.38	106 07.98	3722.4	980208.79		-30.68	-157.64	-0.03	-158.87	-21.78
sh617	44 40.87	106 07.37	3709.0	980212.61		-28.86	-155.36	-0.03	-156.60	-19.87
sh618	44 43.07	106 07.45	3614.0	980229.59		-24.12	-147.38	0.30	-148.27	-12.51
sh619	44 41.39	106 04.93	3803.0	980214.61		-18.80	-148.51	-0.03	-149.77	-13.84
sh620	44 41.59	106 01.40	3861.0	980220.03		-8.24	-139.92	0.06	-141.10	-6.01
sh621	44 42.64	106 02.17	4027.0	980211.64		-2.60	-139.95	0.12	-141.10	-6.30
sh622	44 40.89	106 03.63	3772.0	980217.95		-17.62	-146.27	0.02	-147.47	-11.61
sh623	44 39.79	106 05.41	3831.0	980205.11		-23.26	-153.92	0.14	-155.01	-18.25
sh624	44 38.38	106 05.64	3738.6	980205.58		-29.35	-156.86	0.00	-158.07	-20.64

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh625	44 39.33	106 03.17	3792.0	980208.62		-22.72	-152.05	0.04	-153.23	-16.78
sh626	44 38.05	106 02.07	3730.0	980214.83		-20.41	-147.63	0.07	-148.76	-11.99
sh627	44 38.06	106 01.51	3757.0	980214.48		-18.23	-146.37	0.04	-147.55	-10.90
sh628	44 35.49	106 00.36	3881.0	980203.42		-13.76	-146.13	0.15	-147.22	-9.71
sh629	44 33.71	106 00.00	3902.2	980200.16		-12.34	-145.43	0.28	-146.40	-8.20
sh630	44 38.50	106 10.51	4252.0	980162.67		-24.18	-169.20	1.09	-169.42	-30.80
sh631	44 38.17	106 12.46	4345.0	980153.54		-24.07	-172.26	0.45	-173.13	-33.82
sh632	44 37.89	106 14.74	4446.0	980144.71		-22.99	-174.63	0.58	-175.38	-35.28
sh633	44 37.83	106 07.34	3849.0	980193.07		-30.65	-161.93	0.09	-163.07	-24.98
sh634	44 36.77	106 05.89	3737.0	980201.10		-31.55	-159.01	0.03	-160.18	-21.97
sh635	44 34.81	106 07.18	3777.0	980192.84		-33.09	-161.92	0.05	-163.08	-23.69
sh636	44 34.35	106 06.00	3746.0	980196.56		-31.59	-159.36	0.05	-160.52	-21.22
sh637	44 27.83	106 08.93	3790.0	980187.62		-26.56	-155.83	0.20	-156.85	-13.97
sh638	44 29.83	106 09.24	3836.0	980184.08		-28.79	-159.63	0.12	-160.74	-18.62
sh639	44 21.24	106 32.26	4478.0	980119.01		-20.57	-173.30	0.65	-173.99	-19.12
sh640	44 22.19	106 32.93	4628.0	980110.78		-16.13	-173.98	0.49	-174.85	-20.04
sh641	44 21.45	106 34.29	4756.0	980101.26		-12.51	-174.72	0.56	-175.54	-19.73
sh642	44 21.82	106 35.30	4762.0	980101.57		-12.19	-174.61	0.66	-175.33	-19.14
sh643	44 56.48	106 49.44	3751.0	980237.86		-23.21	-151.15	0.33	-152.03	-10.78
sh644	44 52.48	106 34.90	3873.0	980204.86		-38.70	-170.80	0.72	-171.31	-32.43
sh645	44 50.95	106 34.19	3956.0	980195.22		-38.24	-173.16	0.67	-173.74	-34.17
sh646	44 49.79	106 33.93	4019.0	980188.63		-37.15	-174.23	0.69	-174.80	-34.63
sh647	44 49.13	106 34.23	4194.0	980175.89		-32.45	-175.49	0.44	-176.34	-35.67
sh648	44 48.15	106 33.28	4284.0	980168.74		-29.66	-175.77	0.43	-176.65	-35.72
sh649	44 46.67	106 31.18	4388.0	980161.13		-25.26	-174.92	0.68	-175.57	-34.52
sh650	44 46.61	106 28.98	4258.0	980170.91		-27.61	-172.84	0.55	-173.60	-33.28
sh651	44 46.98	106 26.42	4103.0	980183.80		-29.85	-169.79	0.41	-170.66	-31.41
sh652	44 50.06	106 28.99	4418.0	980166.84		-21.85	-172.53	0.61	-173.25	-34.85
sh653	44 47.93	106 27.07	4503.0	980158.01		-19.48	-173.06	1.17	-173.24	-34.29
sh654	44 47.12	106 20.78	3930.0	980205.73		-24.39	-158.43	0.21	-159.47	-22.05

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh655	44 48.87	106 22.69	4045.0	980198.17	-23.78	-161.74	0.39	-162.62	-25.53	
sh656	44 47.57	106 19.13	3883.0	980214.96	-20.25	-152.69	0.18	-153.75	-17.05	
sh657	44 49.14	106 20.11	3972.0	980211.49	-17.73	-153.20	0.33	-154.12	-17.92	
sh658	44 54.37	106 15.12	4207.0	980222.97	7.95	-135.54	0.25	-136.59	-4.19	
sh659	44 24.78	106 09.34	3818.0	980185.00	-21.95	-152.17	0.63	-152.76	-8.50	
sh660	44 20.67	106 09.62	3885.0	980173.94	-20.51	-153.02	0.11	-154.15	-8.19	
sh661	44 14.64	106 20.73	4760.0	980089.34	-13.78	-176.13	0.78	-176.73	-24.63	
sh662	44 16.27	106 20.78	4638.0	980100.86	-16.18	-174.37	0.45	-175.29	-23.75	
sh663	44 17.41	106 20.71	4651.0	980102.01	-15.53	-174.16	0.47	-175.06	-23.97	
sh664	44 12.74	106 29.37	4532.0	980097.94	-23.75	-178.32	0.35	-179.32	-22.73	
sh665	44 08.01	106 29.22	4393.0	980095.49	-32.13	-181.96	0.28	-183.01	-25.01	
sh666	44 09.99	106 27.14	4433.0	980098.25	-28.59	-179.79	0.25	-180.87	-24.45	
sh667	44 08.64	106 26.27	4576.0	980086.27	-25.09	-181.17	0.27	-182.25	-25.81	
sh668	44 07.62	106 26.87	4475.0	980090.67	-28.65	-181.28	0.24	-182.37	-25.35	
sh669	44 06.76	106 27.00	4605.0	980080.86	-24.94	-182.00	0.47	-182.89	-25.56	
sh670	44 04.78	106 26.53	4666.0	980073.69	-23.39	-182.54	0.19	-183.71	-26.03	
sh671	44 06.82	106 28.76	4506.0	980085.61	-29.59	-183.28	0.25	-184.37	-26.24	
sh672	44 05.62	106 28.44	4604.0	980078.13	-26.05	-183.07	0.41	-184.02	-25.70	
sh673	44 03.17	106 26.01	4726.0	980068.83	-20.19	-181.38	0.19	-182.57	-24.66	
sh674	44 02.18	106 26.43	4718.0	980068.73	-19.55	-180.47	0.17	-181.67	-23.32	
sh675	44 02.16	106 28.01	4694.0	980069.14	-21.37	-181.46	0.20	-182.64	-23.59	
sh676	44 03.02	106 28.41	4685.0	980069.99	-22.66	-182.45	0.20	-183.62	-24.62	
sh677	44 04.31	106 31.56	4496.0	980081.01	-31.35	-184.69	0.30	-185.74	-25.62	
sh678	44 03.49	106 31.20	4507.0	980079.51	-30.57	-184.29	0.28	-185.36	-25.20	
sh679	44 02.56	106 30.73	4526.0	980077.88	-29.02	-183.39	0.28	-184.45	-24.28	
sh680	44 01.69	106 30.73	4591.0	980073.33	-26.14	-182.73	0.24	-183.85	-23.46	
sh681	44 00.02	106 30.15	4671.7	980068.56	-20.82	-180.15	0.21	-181.31	-20.78	
sh682	44 06.24	106 32.32	4512.0	980083.78	-29.98	-183.87	0.37	-184.85	-24.87	
sh683	44 05.11	106 40.06	4681.0	980078.00	-18.17	-177.83	0.89	-178.31	-14.20	
sh684	44 05.05	106 41.25	4813.0	980073.18	-10.50	-174.66	1.01	-175.04	-10.32	

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sh685	44 19.97	106 38.03	4608.0	980111.17	-14.27	-171.44	0.88	-171.92	-13.48	
sh686	44 18.33	106 38.25	4797.0	980095.60	-9.60	-173.21	0.88	-173.72	-14.54	
sh687	44 23.43	106 09.37	3910.0	980177.83	-18.44	-151.80	0.16	-152.88	-8.07	
sbj01	44 46.23	107 31.22	8082.0	979993.83	155.20	-120.45	3.85	-118.06	45.33	
sbj02	44 46.28	107 31.30	8084.6	979993.78	155.32	-120.42	3.87	-118.01	45.36	
sbj03	44 46.35	107 31.39	8063.6	979995.32	154.78	-120.25	3.87	-117.84	45.50	
sbj04	44 46.41	107 31.47	8038.6	979997.00	154.03	-120.15	3.83	-117.79	45.53	
sbj05	44 46.47	107 31.55	8012.7	979998.61	153.11	-120.18	3.80	-117.85	45.45	
sbj06	44 46.54	107 31.60	7984.1	980000.19	151.90	-120.42	3.80	-118.09	45.17	
sbj07	44 46.61	107 31.64	7972.7	980000.87	151.40	-120.53	3.77	-118.23	44.99	
sbj08	44 46.69	107 31.67	7953.6	980002.08	150.70	-120.58	3.77	-118.28	44.89	
sbj09	44 46.76	107 31.72	7927.1	980003.77	149.79	-120.58	3.78	-118.28	44.85	
sbj10	44 46.84	107 31.78	7915.8	980004.46	149.30	-120.69	3.79	-118.37	44.72	
sbj11	44 46.88	107 31.87	7875.7	980006.57	147.58	-121.04	3.85	-118.67	44.41	
sbj12	44 46.90	107 32.02	7829.3	980009.28	145.90	-121.14	3.88	-118.74	44.35	
sbj13	44 46.94	107 32.10	7827.0	980009.44	145.79	-121.17	3.88	-118.77	44.30	
sbj14	44 46.99	107 32.18	7831.2	980009.20	145.87	-121.23	3.88	-118.84	44.21	
sbj15	44 47.05	107 32.10	7865.0	980007.18	146.93	-121.33	3.80	-119.01	43.98	
sbj16	44 47.05	107 31.96	7896.5	980005.39	148.09	-121.23	3.80	-118.91	44.06	
sbj17	44 47.13	107 31.97	7917.7	980004.67	149.25	-120.80	3.75	-118.52	44.39	
sbj18	44 47.16	107 32.09	7909.4	980005.15	148.91	-120.86	3.70	-118.64	44.27	
sbj19	44 47.19	107 32.21	7909.0	980004.93	148.60	-121.15	3.75	-118.88	44.03	
sbj20	44 47.23	107 32.28	7923.6	980003.94	148.92	-121.33	3.78	-119.02	43.87	
sbj21	44 47.28	107 32.38	7943.6	980002.63	149.42	-121.52	3.86	-119.13	43.74	
sbj22	44 47.33	107 32.42	7965.8	980001.23	150.03	-121.67	3.97	-119.17	43.67	
sbj23	44 47.40	107 32.43	7989.7	979999.64	150.58	-121.93	4.08	-119.32	43.47	
sbj24	44 47.49	107 32.37	8004.5	979998.59	150.78	-122.23	4.13	-119.57	43.15	
sbj25	44 47.53	107 32.25	8019.9	979997.27	150.85	-122.69	4.11	-120.04	42.63	
sbj26	44 47.58	107 32.13	8041.7	979995.68	151.23	-123.05	4.40	-120.12	42.50	
sbj27	44 47.72	107 32.17	8058.0	979994.50	151.37	-123.47	4.73	-120.20	42.33	

Table 2.-continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
sbj28	44 47.80	107 32.15	8046.0	979995.43		151.05	-123.38	4.49	-120.36	42.11
sbj29	44 47.88	107 32.13	8031.3	979996.28		150.40	-123.53	4.41	-120.58	41.83
sbj30	44 47.96	107 32.10	8011.1	979997.49		149.59	-123.64	4.25	-120.86	41.50
sbj31	44 48.04	107 32.14	7994.0	979998.42		148.79	-123.86	4.03	-121.30	41.01
sbj32	44 48.10	107 32.20	7977.5	979999.21		147.95	-124.14	4.06	-121.55	40.73
sbj33	44 48.16	107 32.28	7957.5	979999.96		146.73	-124.68	3.97	-122.19	40.06
sbj34	44 48.20	107 32.39	7931.6	980001.38		145.65	-124.88	4.03	-122.32	39.93
sbj35	44 48.23	107 32.48	7935.4	980001.20		145.78	-124.88	4.00	-122.35	39.89
sbj36	44 48.23	107 32.60	7962.4	980000.01		147.12	-124.45	4.09	-121.83	40.43
sbj37	44 48.22	107 32.71	7989.5	979998.45		148.13	-124.37	4.09	-121.75	40.53
sbj38	44 48.21	107 32.82	8009.9	979996.84		148.45	-124.75	4.13	-122.08	40.22
sbj39	44 48.22	107 32.93	8023.2	979995.92		148.76	-124.89	4.13	-122.22	40.09
sbj40	44 48.23	107 33.06	8040.6	979994.33		148.79	-125.45	4.19	-122.73	39.59
sbj41	44 48.27	107 33.17	8056.8	979993.02		148.95	-125.85	4.18	-123.13	39.18
sbj42	44 48.34	107 33.23	8081.2	979991.46		149.57	-126.06	4.20	-123.32	38.95
sbj43	44 48.42	107 33.26	8080.2	979991.66		149.56	-126.03	4.27	-123.22	39.00
sbj44	44 48.50	107 33.31	8061.9	979993.21		149.27	-125.70	5.03	-122.14	40.04

Table 3. - Principal facts for 61 gravity stations from Jenkins (1986) Sheridan quadrangle, Wyoming.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
BF1	44 18.27	106 56.67	7389.0	979991.14	129.58	-122.43	4.81	-119.13	49.45
BF3	44 19.17	106 55.42	7088.0	980006.19	114.99	-126.76	5.06	-123.21	44.53
BF4	44 19.34	106 54.49	7010.0	980008.41	109.64	-129.45	4.55	-126.42	40.83
BF5	44 19.36	106 53.62	7023.0	980005.30	107.72	-131.82	4.21	-129.12	37.71
BF6	44 19.31	106 52.67	6892.0	980014.22	104.40	-130.67	4.07	-128.11	38.29
BF7	44 19.57	106 51.53	6641.0	980023.04	89.25	-137.26	4.31	-134.47	31.28
BF8	44 19.95	106 50.38	6231.0	980032.08	59.19	-153.33	4.22	-150.62	14.44
BF9	44 19.99	106 49.10	5800.0	980052.65	39.20	-158.62	5.41	-154.70	9.72
BF10	44 19.90	106 47.61	5425.0	980071.09	22.54	-162.49	5.25	-158.70	4.99
BF11	44 20.20	106 46.54	5212.0	980083.85	14.83	-162.94	3.48	-160.89	2.11
BF12	44 20.35	106 45.20	5057.0	980094.28	10.46	-162.02	2.07	-161.36	0.85
BF13	44 20.33	106 44.23	4959.0	980096.65	3.66	-165.48	1.78	-165.11	-3.42
BF14	44 20.63	106 43.36	4771.0	980106.83	-4.29	-167.01	1.72	-166.67	-5.58
BF15	44 20.10	106 42.60	4792.0	980102.82	-5.53	-168.97	1.45	-168.90	-8.00
BF17	44 20.15	106 41.60	4686.0	980108.30	-10.09	-169.91	1.27	-170.01	-9.68
BF18	44 21.25	106 40.75	4563.0	980117.17	-14.43	-170.06	1.05	-170.37	-10.97
BF19	44 21.25	106 40.08	4535.0	980119.39	-14.84	-169.52	0.97	-169.90	-10.87
BF20	44 21.63	106 39.22	4498.0	980122.17	-16.11	-169.53	0.91	-169.96	-11.56
BF21	44 22.81	106 37.90	4441.0	980126.39	-19.03	-170.50	0.80	-171.03	-13.87
BF22	44 23.35	106 37.38	4419.0	980127.99	-20.31	-171.03	0.73	-171.63	-14.99
BF23	44 20.11	106 37.32	4770.0	980099.92	-10.51	-173.20	0.72	-173.86	-15.87
BF24	44 19.93	106 36.54	4680.0	980106.09	-12.52	-172.15	0.71	-172.80	-15.15
BF25	44 19.86	106 35.21	4638.0	980107.67	-14.79	-172.98	0.63	-173.71	-16.74
BF26	44 19.67	106 34.41	4551.0	980113.28	-17.07	-172.29	0.57	-173.07	-16.45
BF27	44 19.18	106 33.12	4520.0	980113.81	-18.71	-172.87	0.56	-173.66	-17.51
DY1	44 46.23	107 31.21	8082.0	979993.24	154.61	-121.04	3.86	-118.64	44.74
DY2	44 46.89	107 30.08	8050.0	979995.86	153.23	-121.33	4.09	-118.71	44.01
DY3	44 47.37	107 29.36	7884.0	980006.41	147.46	-121.44	4.03	-118.89	43.37
DY4	44 46.74	107 28.59	7656.0	980018.63	139.21	-121.91	4.20	-119.21	43.38

Table 3. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DY5	44 46.36	107 28.29	7671.0	980017.09	139.65	-121.98	4.49	-118.99	43.82
DY6	44 45.89	107 27.58	7722.0	980013.21	141.27	-122.10	4.90	-118.69	44.29
DY7	44 45.67	107 27.36	7777.0	980009.62	143.19	-122.06	5.02	-118.53	44.54
DY8	44 45.69	107 26.39	7940.0	979998.54	147.39	-123.42	4.89	-120.01	42.80
DY9	44 47.23	107 26.07	8347.0	979973.85	158.61	-126.08	6.16	-121.36	40.23
DY10	44 47.47	107 25.42	8237.0	979980.36	154.42	-126.52	6.25	-121.72	39.54
DY11	44 47.34	107 24.88	8097.0	979989.00	150.10	-126.06	5.88	-121.64	39.60
DY13	44 47.48	107 22.79	7826.0	980001.99	137.42	-129.50	6.40	-124.58	36.02
DY14	44 47.42	107 22.28	7644.0	980012.81	131.24	-129.47	6.01	-124.96	35.55
DY15	44 48.18	107 21.91	7249.0	980036.21	116.38	-130.86	6.41	-125.96	33.89
DY16	44 48.01	107 21.87	7372.0	980028.78	120.77	-130.67	6.35	-125.83	34.13
DY17	44 48.39	107 21.00	7010.0	980047.81	105.22	-133.87	8.90	-126.49	32.94
DY18	44 48.46	107 20.29	6800.0	980057.43	95.00	-136.93	9.65	-128.80	30.38
DY19	44 48.85	107 19.93	6155.0	980093.46	69.83	-140.09	11.28	-130.32	28.50
DY20	44 48.34	107 19.17	6494.0	980069.25	78.24	-143.25	11.99	-132.77	26.17
DY21	44 49.12	107 18.53	5062.0	980159.33	32.59	-140.06	7.30	-134.18	24.04
DY22	44 49.50	107 17.78	4661.0	980184.84	19.83	-139.14	5.35	-135.16	22.51
DY23	44 49.67	107 17.47	4569.0	980189.92	16.01	-139.83	4.83	-136.35	21.08
DY24	44 50.96	107 17.08	4221.0	980207.89	-0.67	-144.64	3.65	-142.29	13.93
DY25	44 52.23	107 15.91	3951.0	980216.94	-18.92	-153.67	2.60	-152.32	2.40
DY26	44 52.73	107 15.72	3900.0	980216.75	-24.65	-157.67	2.41	-156.50	-2.29
DY27	44 53.10	107 15.13	3890.0	980219.15	-23.75	-156.43	2.06	-155.61	-1.94
DY28	44 53.62	107 14.13	3890.0	980218.13	-25.55	-158.23	1.69	-157.78	-4.94
DY29	44 53.83	107 13.21	3869.0	980219.54	-26.44	-158.40	1.60	-158.03	-5.72
DY30	44 53.96	107 12.28	3827.0	980222.62	-27.50	-158.03	1.41	-157.85	-6.00
DY31	44 54.03	107 11.93	3825.0	980222.79	-27.62	-158.08	1.29	-158.02	-6.36
DY32	44 54.27	107 10.68	3780.0	980226.08	-28.93	-157.85	1.12	-157.95	-6.98
DY34	44 54.74	107 07.20	3738.0	980232.25	-27.42	-154.91	0.86	-155.26	-6.03
DY35	44 54.71	107 06.25	3707.0	980234.94	-27.59	-154.03	0.84	-154.39	-5.50
DY36	44 54.81	107 05.15	3714.0	980235.72	-26.30	-152.98	0.76	-153.42	-5.04

Table 3. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
DY37	44 54.61	107 03.93	3676.0	980239.62	-25.67	-151.05	0.76	-151.49	-3.42
DY38	44 54.51	107 02.84	3670.0	980241.58	-24.12	-149.30	0.78	-149.71	-1.98

Table 4. - Principal facts for 194 gravity stations in the Gillette 1 X 2 degree quadrangle,
Wyoming and western South Dakota.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
bg1po	44 17.47	105 30.11	4550.0	980158.09		30.97	-124.22	0.12	-125.45	14.27
g11	44 25.27	104 25.15	5314.0	980140.86		73.78	-107.47	1.88	-107.03	23.35
g12	44 27.89	104 26.16	6249.0	980090.16		106.98	-106.15	3.71	-103.95	25.37
g13	44 32.26	104 26.44	5332.0	980157.15		81.21	-100.64	1.47	-100.62	26.78
g14	44 34.78	104 29.18	4571.0	980205.29		54.03	-101.87	1.52	-101.71	24.91
g15	44 33.72	104 31.98	5041.0	980175.08		69.60	-102.34	1.37	-102.38	25.06
g16	44 37.66	104 32.38	4119.0	980238.98		40.89	-99.59	0.87	-100.00	25.71
g17	44 38.82	104 28.11	4403.0	980221.61		48.47	-101.71	0.96	-102.08	22.46
g18	44 37.19	104 24.68	4764.0	980194.84		58.09	-104.40	1.35	-104.43	20.33
g19	44 34.57	104 26.58	5366.0	980152.10		75.88	-107.14	2.36	-106.23	20.10
g110	44 34.72	104 23.21	5011.0	980174.47		64.66	-106.25	1.28	-106.39	19.34
g111	44 35.82	104 20.21	4960.0	980177.75		61.48	-107.69	1.42	-107.68	16.96
g112	44 34.99	104 16.61	4120.0	980232.63		38.67	-101.85	0.89	-102.24	22.13
g113	44 34.62	104 11.57	3749.0	980254.73		26.45	-101.41	0.49	-102.14	21.32
g114	44 27.50	104 21.15	4641.0	980185.23		51.54	-106.75	1.44	-106.68	22.27
g115	44 29.47	104 19.60	4473.0	980198.00		45.54	-107.02	0.88	-107.48	20.29
g116	44 35.06	104 05.98	3590.0	980265.88		21.99	-100.45	0.73	-100.90	20.88
g117	44 34.98	104 00.69	3406.2	980273.63		12.59	-103.59	0.41	-104.31	15.99
g118	44 38.27	104 00.39	3286.5	980288.91		11.65	-100.44	0.30	-101.25	17.06
g119	44 38.91	104 04.71	3440.8	980283.32		19.60	-97.75	0.39	-98.51	20.73
g120	44 42.20	104 06.46	3592.4	980282.62		28.19	-94.34	0.33	-95.18	22.79
g121	44 41.48	104 00.69	3219.4	980301.65		13.24	-96.56	0.12	-97.54	19.11
g122	44 52.41	104 02.73	3418.0	980314.49		28.26	-88.32	0.22	-89.24	22.98
g123	44 54.68	104 01.53	3161.0	980328.56		14.75	-93.06	-0.03	-94.18	16.85
g124	44 57.47	104 00.81	3313.0	980318.43		14.70	-98.30	0.05	-99.37	10.52
g125	44 49.08	104 32.29	3824.0	980274.94		31.90	-98.53	0.42	-99.33	21.07
g126	44 43.20	104 22.18	4667.0	980210.79		55.86	-103.32	1.38	-103.31	18.00
g127	44 40.24	104 15.16	3909.0	980257.06		35.34	-97.98	0.69	-98.53	22.73
g128	44 43.47	104 17.07	3923.0	980261.41		36.13	-97.67	0.60	-98.31	21.74

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
g129	44 33.54	104 37.37	4148.8	980229.82	40.75	-100.75	0.89	-101.15	26.96
g130	44 27.79	104 48.67	4349.0	980204.18	42.61	-105.73	0.29	-106.76	24.47
g131	44 28.90	104 39.03	4345.0	980210.08	46.45	-101.75	0.55	-102.52	27.62
g132	44 28.51	104 35.32	5106.0	980159.04	67.52	-106.63	1.84	-106.21	23.77
g133	44 27.15	104 38.37	4855.0	980172.61	59.55	-106.04	1.30	-106.13	24.62
g134	44 24.10	104 34.59	4679.0	980176.24	51.24	-108.34	0.76	-108.95	22.67
g135	44 26.53	104 29.63	5292.0	980144.35	73.30	-107.20	1.35	-107.29	23.00
g136	44 30.79	104 05.87	3677.0	980249.92	20.65	-104.76	1.59	-104.37	19.87
g137	44 28.08	104 08.67	3925.0	980229.28	27.41	-106.46	2.33	-105.37	21.08
g138	44 25.60	104 09.03	4335.0	980197.51	37.92	-109.94	4.49	-106.77	21.09
g139	44 23.18	104 10.96	4695.0	980171.94	49.83	-110.30	2.07	-109.60	19.86
g140	44 22.23	104 08.82	5311.0	980133.64	70.86	-110.28	1.73	-110.00	19.50
g141	44 21.07	104 01.56	5849.3	980098.92	88.48	-111.03	2.08	-110.43	18.05
g142	44 08.00	105 57.68	4712.0	980105.33	7.71	-153.00	0.23	-154.15	-6.61
g143	44 08.45	105 58.09	4631.0	980111.04	5.13	-152.82	0.18	-154.00	-6.53
g144	44 07.89	105 59.08	4670.0	980107.27	5.87	-153.41	0.15	-154.63	-6.77
g145	44 18.95	105 56.66	4724.0	980125.06	12.06	-149.06	0.51	-149.93	-6.49
g146	44 19.76	105 56.76	4657.0	980129.27	8.75	-150.08	0.65	-150.80	-7.64
g147	44 19.13	105 57.05	4713.0	980125.13	10.82	-149.93	0.60	-150.70	-7.25
g148	44 19.23	105 57.30	4673.0	980127.51	9.29	-150.09	0.45	-151.01	-7.54
g149	44 18.33	105 31.74	4578.0	980156.04	30.25	-125.89	0.14	-127.10	12.55
g150	44 18.78	105 31.82	4525.6	980159.50	28.11	-126.25	0.16	-127.43	12.07
g151	44 18.35	105 30.21	4563.0	980158.05	30.82	-124.81	0.11	-126.05	13.37
g152	44 18.79	105 30.36	4511.0	980161.90	29.12	-124.74	0.16	-125.92	13.36
g153	44 21.07	104 12.84	5215.0	980129.56	59.51	-118.36	1.35	-118.45	12.26
g154	44 17.85	104 11.31	5221.0	980126.25	61.61	-116.46	1.15	-116.74	15.15
g155	44 14.60	104 08.11	5778.0	980088.40	81.01	-116.06	1.78	-115.76	16.88
g156	44 12.60	104 04.78	6387.1	980046.21	99.08	-118.77	2.13	-118.15	14.61
g157	44 13.32	104 00.78	6617.0	980038.64	112.02	-113.67	2.58	-112.60	19.12
g158	44 11.50	104 08.48	5725.0	980085.56	77.87	-117.40	1.83	-117.05	16.67

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
g159	44 07.79	104 01.05	6549.0	980039.44		114.77	-108.60	2.44	-107.67	25.80
g160	44 04.27	104 01.63	6328.0	980048.94		108.81	-107.02	2.64	-105.89	28.39
g161	44 05.08	104 04.93	6212.0	980045.34		93.09	-118.78	1.86	-118.43	16.25
g162	44 00.97	104 05.89	5523.0	980080.54		69.74	-118.63	1.42	-118.68	16.64
g163	44 06.96	104 07.74	6129.0	980052.61		89.73	-119.32	1.73	-119.09	15.61
g164	44 00.21	104 10.31	5354.0	980089.95		64.41	-118.20	2.28	-117.37	18.43
g165	44 04.85	104 15.17	5014.9	980113.89		49.49	-121.56	1.21	-121.76	13.96
g166	44 07.19	104 12.26	5650.0	980080.69		72.45	-120.26	1.27	-120.46	14.66
g167	44 10.35	104 14.17	5516.0	980092.69		67.09	-121.04	1.05	-121.46	13.14
g168	44 13.04	104 16.23	5088.0	980123.34		53.46	-120.07	1.01	-120.48	13.59
g169	44 12.66	104 19.93	5200.0	980112.27		53.49	-123.87	1.85	-123.45	10.96
g170	44 10.31	104 19.49	5433.0	980096.08		62.74	-122.57	1.20	-122.82	12.12
g171	44 06.92	104 25.90	4816.0	980130.17		43.96	-120.30	0.74	-120.95	14.89
g172	44 10.04	104 52.95	4539.0	980141.84		24.89	-129.92	0.35	-130.92	5.91
g173	44 07.55	104 52.71	4398.0	980144.89		18.44	-131.56	0.10	-132.79	4.57
g174	44 05.90	104 48.04	4573.0	980133.76		26.24	-129.73	0.27	-130.81	6.40
g175	44 04.44	104 55.35	4787.0	980108.67		23.47	-139.80	0.44	-140.75	-2.42
g176	44 03.74	104 50.94	4489.0	980130.46		18.31	-134.80	0.18	-135.96	1.95
g177	44 03.71	104 47.41	4543.0	980129.40		22.37	-132.58	0.19	-133.74	3.79
g178	44 00.65	104 48.02	4558.0	980120.47		19.46	-136.00	0.19	-137.17	0.91
g179	44 03.72	104 43.05	4363.0	980145.83		21.86	-126.95	0.14	-128.13	9.00
g180	44 04.58	104 38.37	4200.0	980171.54		30.96	-112.29	0.10	-113.49	23.19
g181	44 06.62	104 41.96	4359.0	980158.85		30.14	-118.53	0.12	-119.74	16.85
g182	44 01.40	104 38.30	4213.0	980157.01		22.44	-121.25	0.10	-122.45	14.63
g183	44 03.48	104 34.70	4179.0	980170.25		29.35	-113.19	0.12	-114.36	22.28
g184	44 04.11	104 30.06	4287.0	980159.37		27.67	-118.54	0.25	-119.60	16.76
g185	44 07.13	104 30.61	4521.0	980152.47		38.21	-115.99	0.38	-116.95	19.01
g186	44 09.96	104 33.45	4516.0	980159.28		40.29	-113.74	0.26	-114.83	20.74
g187	44 12.92	104 34.52	4453.0	980168.95		39.57	-112.31	0.25	-113.39	21.59
g188	44 16.06	104 34.97	4502.0	980170.46		40.95	-112.60	0.41	-113.53	20.67

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
g189	44 19.49	104 35.75	4350.0	980187.36	38.40	-109.97	0.47	-110.82	22.43
g190	44 18.13	104 30.42	4547.0	980170.27	41.87	-113.22	0.70	-113.87	19.53
g191	44 16.52	104 23.73	5101.0	980126.99	53.08	-120.90	0.97	-121.35	12.17
g192	44 13.62	104 27.11	4670.0	980152.70	42.67	-116.62	0.48	-117.50	17.03
g193	44 10.78	104 41.28	4277.0	980176.86	34.17	-111.71	0.12	-112.90	22.85
g194	44 13.94	104 41.93	4329.0	980177.16	34.59	-113.06	0.14	-114.24	20.83
g195	44 16.11	104 42.92	4284.9	980183.97	33.98	-112.16	0.12	-113.35	21.22
g196	44 16.66	104 49.80	4160.7	980187.81	25.32	-116.59	0.06	-117.82	17.06
g197	44 28.01	104 02.10	4791.0	980171.44	51.07	-112.34	4.66	-109.06	15.76
g198	44 40.70	104 10.48	3666.0	980273.06	27.81	-97.23	0.30	-98.12	21.73
g199	44 42.52	104 11.56	3595.0	980280.24	25.57	-97.04	0.28	-97.94	21.24
g1100	44 46.98	104 15.60	3685.4	980282.18	29.28	-96.42	0.61	-97.01	20.98
g1101	44 48.60	104 16.66	3548.0	980295.15	26.89	-94.12	0.25	-95.04	22.44
g1102	44 51.47	104 22.00	3626.9	980295.20	30.03	-93.67	0.27	-94.59	22.81
g1103	44 53.77	104 22.97	3415.0	980313.85	25.29	-91.18	0.13	-92.20	24.41
g1104	44 41.59	104 33.43	3743.0	980266.64	27.28	-100.38	1.08	-100.51	23.52
g1105	44 43.46	104 31.90	4018.0	980252.84	36.51	-100.53	0.38	-101.41	21.52
g1106	44 45.17	104 29.25	3964.3	980259.46	35.50	-99.71	1.35	-99.61	22.09
g1107	44 46.12	104 33.55	4052.0	980256.01	38.87	-99.33	0.44	-100.16	21.79
g1108	44 51.44	104 28.52	3760.0	980286.39	33.78	-94.47	0.30	-95.38	23.32
g1109	44 51.01	104 25.73	3731.1	980288.50	33.82	-93.44	0.41	-94.24	24.12
g1110	44 52.41	104 30.79	4003.0	980270.00	38.76	-97.77	0.28	-98.75	19.93
g1111	44 55.50	104 11.88	3559.1	980313.99	36.37	-85.02	0.54	-85.66	27.75
g1112	44 58.56	104 11.64	3422.0	980325.38	30.25	-86.46	0.04	-87.56	24.66
g1113	44 54.56	104 09.26	3302.0	980330.29	29.91	-82.71	0.08	-83.74	29.37
g1114	44 56.00	104 06.42	3296.0	980328.48	25.37	-87.05	0.01	-88.15	23.70
g1115	44 56.23	104 16.84	3630.0	980304.03	31.97	-91.84	0.22	-92.81	21.48
g1116	44 35.46	104 43.18	4262.0	980223.09	41.77	-103.60	1.07	-103.83	24.00
g1117	44 35.81	104 43.17	4251.0	980224.43	41.54	-103.45	0.83	-103.92	23.76
g1118	44 33.32	104 44.08	3885.0	980244.02	30.49	-102.02	0.53	-102.73	26.06

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
g1119	44 33.70	104 47.43	4020.0	980234.88		33.47	-103.64	0.64	-104.27	24.63
g1120	44 35.15	104 45.49	4105.0	980232.75		37.14	-102.87	0.43	-103.72	24.43
g1121	44 36.47	104 47.60	4620.0	980200.67		51.47	-106.10	0.86	-106.61	21.18
g1122	44 34.73	104 49.28	4118.0	980229.52		35.76	-104.69	0.59	-105.38	23.26
g1123	44 36.87	104 45.11	4668.0	980198.09		52.80	-106.41	1.56	-106.22	21.18
g1124	44 37.77	104 47.52	4619.0	980201.67		50.41	-107.13	0.64	-107.85	19.39
g1125	44 25.85	104 47.95	4136.0	980214.15		35.48	-105.59	0.43	-106.45	25.42
g1126	44 58.62	105 17.83	3538.0	980288.84		4.52	-116.15	0.16	-117.16	4.37
g1127	44 56.85	105 13.52	3672.0	980280.36		11.31	-113.93	0.06	-115.07	6.74
g1128	44 55.77	105 01.62	3895.0	980281.09		34.64	-98.21	0.10	-99.35	21.78
g1129	44 53.14	105 09.60	3804.0	980269.03		17.98	-111.76	0.08	-112.90	10.06
g1130	44 54.76	105 18.15	3648.0	980271.39		3.24	-121.18	0.00	-122.37	0.83
g1131	44 52.84	105 15.10	3699.0	980258.36		-2.10	-128.27	0.25	-129.22	-5.56
g1132	44 51.82	105 19.13	3634.0	980263.00		-2.04	-125.98	-0.05	-127.22	-2.66
g1133	44 48.39	105 05.84	4119.0	980238.33		24.06	-116.42	0.16	-117.55	7.02
g1134	44 46.77	105 03.22	4011.0	980241.07		19.09	-117.71	0.10	-118.88	6.11
g1135	44 44.21	105 01.46	4006.0	980230.81		12.23	-124.41	0.08	-125.59	0.30
g1136	44 40.73	105 00.82	4053.3	980219.34		10.45	-127.80	0.20	-128.87	-1.61
g1137	44 41.15	105 03.89	4050.0	980216.46		6.62	-131.51	0.19	-132.59	-5.21
g1138	44 41.54	105 11.46	4204.0	980204.15		8.20	-135.18	0.23	-136.25	-8.26
g1139	44 46.05	105 11.17	3758.0	980242.73		-1.94	-130.12	0.22	-131.11	-5.03
g1140	44 44.42	105 14.23	3884.0	980228.78		-1.59	-134.06	0.05	-135.25	-8.15
g1141	44 40.29	105 06.44	4035.0	980212.91		2.96	-134.66	0.29	-135.64	-7.66
g1142	44 37.69	105 06.33	4181.0	980199.24		6.94	-135.67	0.27	-136.69	-7.66
g1143	44 35.78	105 04.45	4224.0	980194.16		8.78	-135.29	0.38	-136.21	-6.61
g1144	44 35.14	105 05.76	4395.0	980181.03		12.69	-137.21	0.44	-138.10	-8.11
g1145	44 37.07	104 59.57	4284.0	980197.36		15.67	-130.44	0.24	-131.51	-2.88
g1146	44 35.14	104 54.15	4101.0	980224.22		28.25	-111.63	0.20	-112.70	16.19
g1147	44 35.52	104 51.71	4340.0	980212.65		38.56	-109.46	0.36	-110.42	18.10
g1148	44 37.60	104 52.81	4057.0	980231.46		27.64	-110.73	0.27	-111.73	16.05

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS.	GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
g1149	44 39.74	104 49.46	4271.0	980224.47		37.54	-108.13	0.34	-109.10	17.50
g1150	44 40.09	104 52.24	4002.0	980240.77		28.02	-108.47	0.21	-109.52	17.19
g1151	44 29.03	105 01.33	4508.0	980169.22		20.71	-133.04	0.40	-133.99	-2.11
g1152	44 27.51	105 01.76	4501.0	980168.11		21.24	-132.27	0.36	-133.26	-78
g1153	44 25.75	105 03.24	4420.0	980169.69		17.86	-132.89	0.24	-133.99	-74
g1154	44 21.97	105 06.23	4425.0	980163.62		17.96	-132.96	0.14	-134.15	0.74
g1155	44 19.77	105 03.55	4426.0	980160.46		18.22	-132.74	0.14	-133.93	1.38
g1156	44 21.36	105 03.46	4277.0	980173.44		14.79	-131.08	0.18	-132.21	2.57
g1157	44 24.58	105 05.02	4378.0	980170.91		16.90	-132.43	0.14	-133.61	0.25
g1158	44 26.35	105 04.96	4412.0	980170.34		16.86	-133.62	0.20	-134.75	-1.53
g1159	44 19.89	105 19.21	4572.0	980165.01		36.30	-119.64	0.15	-120.84	16.46
g1160	44 18.55	105 26.97	4499.0	980166.86		33.32	-120.13	0.14	-121.34	17.54
g1161	44 19.65	105 25.13	4406.0	980177.75		33.81	-116.47	0.25	-117.55	20.67
g1162	44 20.92	105 25.68	4466.0	980175.17		34.95	-117.37	0.11	-118.60	19.24
g1163	44 22.34	105 25.21	4356.0	980186.63		33.93	-114.64	0.06	-115.90	21.36
g1164	44 19.24	105 21.50	4473.0	980174.11		37.08	-115.48	0.22	-116.60	21.25
g1165	44 20.88	105 22.15	4448.0	980180.12		38.26	-113.44	0.19	-114.59	22.77
g1166	44 20.58	105 20.81	4579.0	980169.18		40.09	-116.09	0.14	-117.30	19.98
g1167	44 14.27	104 54.33	4307.0	980164.62		19.48	-127.42	0.15	-128.58	7.35
g1168	44 14.22	104 53.41	4418.0	980158.63		24.00	-126.68	0.13	-127.88	7.97
g1169	44 13.57	104 52.34	4401.0	980160.48		25.23	-124.87	0.12	-126.08	9.83
g1170	44 17.89	104 54.37	4231.0	980177.07		19.34	-124.97	0.09	-126.18	8.74
g1171	44 17.90	104 53.48	4242.0	980177.59		20.87	-123.81	0.07	-125.04	9.79
g1172	44 17.58	104 53.27	4261.0	980175.83		21.37	-123.96	0.08	-125.18	9.73
g1173	44 18.18	104 52.79	4286.0	980176.21		23.21	-122.98	0.14	-124.15	10.53
g1174	44 19.70	104 48.88	4194.0	980196.69		32.74	-110.30	0.06	-111.54	22.39
g1175	44 21.95	104 50.15	4130.0	980206.13		32.77	-108.09	0.10	-109.27	24.06
g1176	44 19.51	104 51.63	4121.0	980194.23		23.71	-116.85	0.08	-118.05	16.15
g1177	44 18.74	104 54.02	4263.0	980177.59		21.57	-123.83	0.11	-125.02	9.61
g1178	44 22.49	104 51.10	4135.4	980205.14		31.48	-109.57	0.12	-110.73	22.50

Table 4. - continued.

STA. #	LAT.	LONG.	ELEV.	OBS. GRAV.	F.A.A.	S.B.A.	T.T.C.	C.B.A.	I.R.A.
g1179	44 22.60	104 50.34	4129.0	980207.11	32.68	-108.15	0.17	-109.26	23.87
g1180	44 20.62	104 55.29	4112.0	980190.44	17.40	-122.85	0.09	-124.04	10.14
g1181	44 46.34	104 50.57	4232.0	980241.10	40.54	-103.80	0.52	-104.58	19.35
g1182	44 45.54	104 47.59	4386.0	980228.98	44.10	-105.49	0.88	-105.93	18.03
g1183	44 48.50	104 57.48	3960.4	980260.79	31.44	-103.63	0.08	-104.81	18.91
g1184	44 50.66	104 59.07	3942.8	980268.32	34.06	-100.42	0.14	-101.52	21.47
g1185	44 47.35	104 43.21	3922.6	980262.73	31.57	-102.22	0.22	-103.25	19.44
g1186	44 46.96	104 39.53	4188.0	980246.34	40.71	-102.13	0.32	-103.10	19.31
g1187	44 20.07	104 41.98	4192.0	980199.29	34.60	-108.38	0.15	-109.52	23.86
g1188	44 22.23	104 41.01	4426.0	980189.38	43.42	-107.53	0.43	-108.44	24.21
g1189	44 24.36	104 41.44	4096.0	980215.66	35.48	-104.23	0.47	-105.03	26.93
g1190	44 01.38	104 21.33	4563.0	980134.49	32.85	-122.78	0.81	-123.32	12.99
g1191	44 03.70	104 20.45	4798.0	980124.69	41.64	-122.01	1.29	-122.10	13.98
g1192	44 06.07	104 19.56	4921.0	980122.45	47.39	-120.45	0.87	-120.98	14.79
g1193	44 06.21	104 22.85	4746.0	980133.34	41.62	-120.25	1.12	-120.51	15.35

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

File 1 (gilusgs.asc) U.S.G.S. gravity data collected within the Gillette Wyoming 1 X 2 degree quadrangle.

File 2 (montusgs.asc) U.S.G.S. gravity data, collected in southern Montana.

File 3 (sherjenk.asc) gravity data from masters thesis by Jenkins (1986) within the Sheridan Wyoming 1 X 2 degree quadrangle.

File 4 (sherusgs.asc) U.S.G.S. gravity data collected within the Sheridan Wyoming 1 X 2 degree quadrangle.

The 5 1/4 in., double sided, double density (360k bytes) diskette is in IBM format and contains the above four 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 ³ .
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 ³ .
Col 73 - 80	Isostatic residual anomaly in milligals to nearest hundreth.

Diskette