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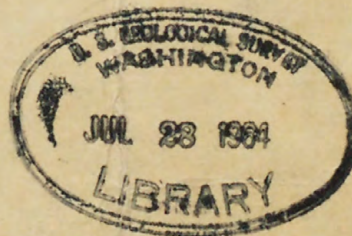
GRAVITY OBSERVATIONS AND BOUGUER ANOMALIES IN THE ALBEMARLE,
DENTON, MT. PLEASANT AND SALISBURY QUADRANGLES, NORTH CAROLINA

by
ZVI YUVAL *1925 -*

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GEOLOGIC DIVISION
U. S. GEOLOGICAL SURVEY
Washington, D. C.

For release SEPT. 26, 1963

The Geological Survey is releasing in open files the following reports. Copies are available for consultation at the Geological Survey Library, 1033 GSA Bldg., Washington, D. C., and in other offices as listed:

1. Gravity data collected in New York by the U. S. Geological Survey during June, 1963, by Marvin G. Simmons. 12 p., 1 table. Office of the State Geologist, State Museum and Science Services, University of the State of New York, Albany, N. Y. Copies from which reproductions can be made at private expense are available in the Office of the State Geologist, Albany, N. Y.
2. Geology of the Narragansett Bay area, Rhode Island, by Alonzo W. Quinn. 1 map. Bldg. 25, Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Room 1, 270 Dartmouth St., Boston, Mass.; Dept. of Geology, Brown University, Providence, R. I. Copy from which reproductions can be made at private expense are available in the Department of Geology, Brown University.
3. Gravity observations and Bouguer anomalies in the Albemarle, Denton, Mt. Pleasant, and Salisbury quadrangles, North Carolina, by Zvi Yuval. 21 p., 1 table. Bldg. 25, Federal Center, Denver, Colo.; 345 Middlefield Rd., Menlo Park, Calif.; Office of the State Geologist, State Office Bldg., Raleigh, N. C.

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Gravity Observations and Bouguer Anomalies in the Albemarle, Denton,

Mt. Pleasant and Salisbury Quadrangles, North Carolina

By

U. S. GEOLOGICAL SURVEY

Zvi Yuval

This report has not been edited or reviewed for conformity to Geological Survey standards.

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Sept - 24, 1963

INTRODUCTION

During January and February, 1963, a gravity survey was conducted in the Albemarle, Denton, Mt. Pleasant and Salisbury quadrangles in North Carolina. The purpose of the survey has been to prepare a detailed gravity map as part of a study of the correlation of surface and subsurface geologic units.

The area is bounded by latitudes $35^{\circ}15'$ and $35^{\circ}45'$ north and longitudes $80^{\circ}00'$ and $80^{\circ}30'$ west. It is situated close to the eastern margin of the center portion of the Piedmont province. Topographically, it is mostly typical piedmont rolling terrain with elevations averaging approximately 600 feet.

The area was divided into a grid network with a spacing of about one mile. A gravity observation station was located in each of the grid units.

A total of 860 stations were occupied. 522 stations were located along roads of various grades using bench marks and spot elevations for vertical control. The elevation of 316 stations was determined through the use of recently developed elevation meters utilizing a fused quartz elastic system. 22 observations were made on lake shores by boat, using the water level for elevation control.



The procedure for elevation determination consisted of stationing one man with an instrument at a base of known elevation, preferably the highest spot within a radius of approximately 4 miles, for best radio reception.

The roving instrument was read at another spot of known elevation to determine a conversion factor from the instrument scale divisions to feet. The roving instrument was then read at the stations whose elevations were to be determined. All readings were made simultaneously by two instruments through the use of a 2-way radio. Conversion factors were reestablished at critical hours of the day. The critical hours were determined for two typical days by day-long observations on a clear and on an overcast day.

Gravity observations were made with a LaCoste-Romberg Model G-17 meter. A base was reoccupied every 2 hours in order to correct for earth tides. Drift due to earth tides followed an approximate sinusoidal pattern with an average amplitude of 0.1 milligal. Total instrument drift was approximately 0.7 milligals in 48 days. Terrain corrections were applied to 19 of the stations with maximum correction of 0.9 milligal.

The gravity meter was calibrated between the Charlotte and Greensboro airports. The meter scale constant used was 1.0410 milligals per scale division. A gravity datum value of 979.5010 gals was used based on the Charlotte airport value of 979.7281 gals (Woollard, 1958, p. 534).

Reference cited

Woollard, G. P., 1958, Results for a gravity control network at airports in the United States: Geophysics, v. 23, no. 3, p. 520-535.

EXPLANATION TO PRINTED SHEETS

Constants are omitted and abbreviations are used in order to save space. The following are explanations of the heading abbreviations of the first twelve columns:

STA	Station number
LAT	Latitude in degrees, minutes and hundredths of minutes
LONG	Longitude in same units as latitude
E	Elevation in feet
MG/OG	Measured gravity/observed gravity
TC	Terrain correction
OG	Observed gravity
FTH	Theoretical gravity
FAA	Free air anomaly
BA1	Bouguer anomaly (assumed density 2.67 g/cc)
BA2	Bouguer anomaly (assumed density 2.55 g/cc)
CC	Curvature correction

The remaining four blank columns pertain to terrain corrections and complete Bouguer anomalies. 978000.00 milligals must be added to the numbers in columns OG and FTH in order to obtain absolute values. The program devised by the Geological Survey includes a provision for input in terms of either meter scale divisions or milligals plus an arbitrary constant, hence MG/OG may or may not be equal to OG depending on the choice of units and constant. Curvature corrections are negative. Gravity values are in milligals.



STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
1001	35 44.47	80 29.07	705.0	220.78		1730.83	1808.61	11.47-	35.49-	34.41-	3		.	.	.
1002	35 47.02	80 28.39	676.0	223.31		1733.47	1812.25	15.19-	38.22-	37.19-	3		.	.	.
1003	35 44.03	80 27.82	764.0	219.39		1729.38	1807.99	6.74-	32.77-	31.60-	3		.	.	.
1004	35 44.28	80 26.02	678.0	225.17		1735.40	1808.34	9.17-	32.27-	31.23-	3		.	.	.
1005	35 44.94	80 25.30	765.0	219.31		1729.30	1809.28	8.03-	34.09-	32.92-	3		.	.	.
1006	35 44.80	80 23.59	790.0	220.79		1730.84	1809.08	3.93-	30.85-	29.64-	3		.	.	.
1007	35 44.47	80 22.68	762.0	227.35		1737.67	1808.61	73	25.23-	24.06-	3		.	.	.
1008	35 43.27	80 29.42	784.0	218.14		1728.08	1806.90	5.08-	31.79-	30.59-	3		.	.	.
1009	35 43.45	80 28.52	788.0	218.44		1728.40	1807.16	4.64-	31.49-	30.28-	3		.	.	.
1010	35 43.48	80 27.48	748.0	222.39		1732.51	1807.20	4.33-	29.82-	28.67-	3		.	.	.
1011	35 43.45	80 26.12	708.0	226.24		1736.52	1807.16	4.04-	28.16-	27.08-	3		.	.	.
1012	35 43.88	80 24.80	690.0	227.16		1737.47	1807.77	5.40-	28.91-	27.85-	3		.	.	.
1013	35 43.68	80 24.22	652.0	232.70		1743.24	1807.49	2.92-	25.13-	24.13-	2		.	.	.
1014	35 43.87	80 23.17	696.0	231.53		1742.02	1807.76	27-	23.98-	22.92-	3		.	.	.
1015	35 42.40	80 29.20	754.0	224.19		1734.38	1805.66	26-	26.05-	24.89-	3		.	.	.
1016	35 42.70	80 27.95	737.0	225.29		1735.53	1806.09	1.24-	26.35-	25.22-	3		.	.	.
1017	35 42.32	80 27.33	694.0	229.44		1739.85	1805.55	42-	24.07-	23.00-	3		.	.	.
1018	35 42.86	80 26.13	672.0	229.76		1740.18	1806.32	2.93-	25.82-	24.79-	3		.	.	.
1019	35 42.28	80 26.09	608.0	234.78		1745.41	1805.49	2.89-	23.61-	22.68-	2		.	.	.
1020	35 42.21	80 25.00	763.0	230.17		1740.61	1805.39	6.99	19.01-	17.84-	3		.	.	.
1021	35 42.50	80 23.77	702.0	239.03		1749.83	1805.81	10.06	13.86-	12.79-	3		.	.	.
1022	35 41.99	80 23.07	716.0	245.79		1756.87	1805.08	19.14	5.25-	4.16-	3		.	.	.
1023	35 41.34	80 29.62	662.0	234.91		1745.54	1804.15	3.65	18.90-	17.89-	2		.	.	.
1024	35 41.42	80 28.26	656.0	237.04		1747.76	1804.27	5.20	17.15-	16.15-	2		.	.	.
1025	35 41.45	80 27.70	659.0	238.86		1749.65	1804.31	7.33	15.13-	14.12-	2		.	.	.
1026	35 41.36	80 26.15	743.0	233.26		1743.82	1804.18	9.52	15.79-	14.65-	3		.	.	.
1027	35 41.37	80 25.49	746.0	234.55		1745.27	1804.20	11.24	14.17-	13.03-	3		.	.	.
1028	35 41.70	80 24.06	722.0	243.08		1754.05	1804.67	17.30	7.30-	6.20-	3		.	.	.
1029	35 41.59	80 22.79	726.0	247.72		1758.88	1804.51	22.66	2.08-	96-	3		.	.	.
1030	35 40.07	80 29.71	714.0	235.66		1746.32	1802.35	11.13	13.19-	12.10-	3		.	.	.
1031	35 40.30	80 28.51	758.0	236.76		1747.47	1802.67	16.10	9.73-	8.57-	3		.	.	.
1032	35 40.35	80 27.23	749.0	239.17		1749.98	1802.75	17.69	7.83-	6.68-	3		.	.	.
1033	35 40.60	80 25.80	708.0	243.11		1754.08	1803.10	17.57	6.55-	5.46-	3		.	.	.
1034	35 40.51	80 24.79	697.0	246.37		1757.47	1802.97	20.06	3.69-	2.62-	3		.	.	.
1035	35 40.46	80 23.96	636.0	251.95		1763.28	1802.90	20.20	1.47-	49-	2		.	.	.
1036	35 40.15	80 22.96	702.0	251.72		1763.04	1802.46	26.61	2.69	3.77	3		.	.	.
1037	35 39.01	80 29.22	727.0	240.75		1751.62	1800.84	19.17	5.60-	4.49-	3		.	.	.
1038	35 39.56	80 28.27	730.0	241.21		1752.10	1801.62	19.14	5.73-	4.61-	3		.	.	.
1039	35 39.47	80 27.60	693.0	244.98		1756.02	1801.49	19.71	3.90-	2.84-	3		.	.	.
1040	35 39.30	80 26.61	715.0	245.70		1756.77	1801.25	22.77	1.59-	49-	3		.	.	.
1041	35 39.45	80 25.34	681.0	248.83		1760.03	1801.46	22.62	58-	46	3		.	.	.
1042	35 39.58	80 24.18	738.0	245.45		1756.51	1801.65	24.28	87-	27	3		.	.	.
1043	35 39.18	80 23.0	732.0	251.42		1762.73	1801.08	30.50	5.56	6.69	3		.	.	.
1044	35 38.38	80 29.88	775.0	238.56		1749.34	1799.94	22.30	4.11-	2.92-	3		.	.	.
1045	35 37.90	80 28.53	806.0	238.81		1749.60	1799.26	26.16	1.30-	7-	3		.	.	.
1046	35 38.04	80 27.37	721.0	245.60		1756.67	1799.46	25.03	47	1.57	3		.	.	.
1047	35 38.09	80 26.32	797.0	240.48		1751.34	1799.53	26.78	38-	85	3		.	.	.
1048	35 37.76	80 25.49	891.0	231.27		1741.75	1799.06	26.50	3.86-	2.49-	3		.	.	.
1049	35 38.54	80 24.47	823.0	238.55		1749.33	1800.17	26.57	1.47-	21-	3		.	.	.
1050	35 38.15	80 22.68	704.0	257.67		1769.23	1799.61	35.84	11.85	12.93	3		.	.	.
1051	35 41.82	80 28.17	658.0	233.62		1744.20	1804.84	1.25	21.16-	20.16-	2		.	.	.
1052	35 43.76	80 23.74	630.0	234.17		1744.77	1807.60	3.57-	25.04-	24.07-	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
1053	35 42.52	80 25.19	712.0	230.29		1740.73	1805.84	1.87	22.39-	21.30-	3		.	.	.
1054	35 37.91	80 23.75	728.0	249.52		1760.75	1799.27	29.95	5.15	6.27	3		.	.	.
1055	35 38.97	80 25.75	750.0	244.68		1755.71	1800.78	25.48	8-	1.07	3		.	.	.
1056	35 38.87	80 27.81	801.0	239.03		1749.83	1800.64	24.53	2.75-	1.53-	3		.	.	.
2001	35 44.24	80 22.08	717.0	235.05		1745.69	1808.29	4.85	19.58-	18.48-	3		.	.	.
2003	35 44.85	80 20.02	648.0	255.12		1766.58	1809.15	18.38	3.70-	2.71-	2		.	.	.
2004	35 44.54	80 19.21	672.0	258.76		1770.37	1808.71	24.87	1.97	3.00	3		.	.	.
2006	35 44.84	80 17.10	745.0	260.07		1771.73	1809.14	32.67	7.28	8.43	3		.	.	.
2007	35 44.36	80 15.28	708.0	261.73		1773.46	1808.46	31.60	7.48	8.56	3		.	.	.
2008	35 44.00	80 16.50	716.0	259.23		1770.86	1807.94	30.27	5.87	6.97	3		.	.	.
2009	35 43.91	80 21.98	711.0	239.86		1750.69	1807.81	9.75	14.47-	13.38-	3		.	.	.
2010	35 43.87	80 20.77	620.0	253.54		1764.94	1807.76	15.50	5.62-	4.67-	2		.	.	.
2011	35 44.00	80 19.93	684.0	254.55		1765.99	1807.94	22.39	92-	13	3		.	.	.
2012	35 43.37	80 18.76	689.0	259.42		1771.06	1807.05	28.82	5.35	6.40	3		.	.	.
2013	35 43.80	80 17.47	697.0	260.07		1771.73	1807.66	29.63	5.89	6.95	3		.	.	.
2014	35 43.12	80 16.50	668.0	261.94		1773.68	1806.69	29.82	7.07	8.09	2		.	.	.
2015	35 43.82	80 15.25	689.0	262.68		1774.45	1807.69	31.57	8.10	9.15	3		.	.	.
2016	35 42.20	80 22.10	719.0	248.19		1759.37	1805.38	21.62	2.87-	1.77-	3		.	.	.
2017	35 42.34	80 20.93	690.0	253.76		1765.16	1805.58	24.48	98	2.03	3		.	.	.
2018	35 42.30	80 20.45	689.0	257.24		1768.79	1805.52	28.08	4.60	5.66	3		.	.	.
2021	35 42.37	80 18.47	703.0	258.52		1770.12	1805.62	30.62	6.67	7.75	3		.	.	.
2023	35 42.08	80 17.45	681.0	258.44		1770.04	1805.21	28.89	5.69	6.73	3		.	.	.
2024	35 42.75	80 16.52	734.0	257.67		1769.23	1806.16	32.11	7.10	8.23	3		.	.	.
2025	35 42.67	80 15.75	669.0	260.93		1772.63	1806.05	29.51	6.72	7.74	3		.	.	.
2026	35 41.83	80 15.97	726.0	258.53		1770.13	1804.85	33.57	8.83	9.94	3		.	.	.
2027	35 41.46	80 21.94	735.0	248.90		1760.10	1804.33	24.91	13-	99	3		.	.	.
2028	35 41.34	80 20.64	684.0	255.82		1767.31	1804.15	27.49	4.19	5.24	3		.	.	.
2029	35 41.63	80 19.74	619.0	264.32		1776.16	1804.57	29.82	8.73	9.68	2		.	.	.
2030	35 41.75	80 19.07	745.0	256.05		1767.55	1804.74	32.89	7.51	8.65	3		.	.	.
2031	35 41.63	80 18.29	653.0	260.39		1772.07	1804.57	28.93	6.68	7.68	2		.	.	.
2032	35 41.30	80 17.59	678.0	259.24		1770.87	1804.10	30.55	7.45	8.49	3		.	.	.
2033	35 40.80	80 16.93	676.0	260.97		1772.67	1803.39	32.87	9.84	10.87	3		.	.	.
2034	35 40.95	80 15.70	715.0	260.88		1772.58	1803.60	36.24	11.88	12.97	3		.	.	.
2035	35 40.58	80 21.79	688.0	254.62		1766.06	1803.07	27.70	4.26	5.32	3		.	.	.
2036	35 40.66	80 20.60	696.0	256.23		1767.74	1803.19	30.02	6.31	7.37	3		.	.	.
2037	35 40.12	80 19.68	676.0	257.75		1769.32	1802.42	30.49	7.46	8.49	3		.	.	.
2038	35 40.50	80 19.02	619.0	262.24		1773.99	1802.96	29.26	8.17	9.12	2		.	.	.
2039	35 40.50	80 17.93	701.0	258.15		1769.73	1802.96	32.71	8.83	9.90	3		.	.	.
2040	35 40.31	80 16.44	726.0	258.97		1770.59	1802.69	36.19	11.46	12.57	3		.	.	.
2042	35 39.29	80 21.95	656.0	260.05		1771.71	1801.24	32.18	9.83	10.83	2		.	.	.
2043	35 39.80	80 21.24	632.0	260.14		1771.81	1801.96	29.29	7.76	8.73	2		.	.	.
2044	35 39.05	80 20.87	671.0	259.00		1770.62	1800.90	32.84	9.98	11.01	3		.	.	.
2045	35 39.03	80 19.83	695.0	257.60		1769.16	1800.87	33.67	9.99	11.05	3		.	.	.
2046	35 38.87	80 19.22	656.0	259.94		1771.60	1800.64	32.67	10.32	11.32	2		.	.	.
2047	35 39.66	80 18.10	619.0	263.05		1774.84	1801.76	31.30	10.21	11.16	2		.	.	.
2048	35 39.38	80 17.22	672.0	260.85		1772.54	1801.37	34.38	11.49	12.52	3		.	.	.
2049	35 39.30	80 16.45	687.0	260.79		1772.48	1801.25	35.85	12.44	13.50	3		.	.	.
2050	35 39.01	80 15.56	653.0	263.43		1775.23	1800.84	35.81	13.57	14.57	2		.	.	.
2051	35 38.50	80 21.60	725.0	257.00		1768.54	1800.11	36.62	11.92	13.03	3		.	.	.
2052	35 37.90	80 20.80	660.0	259.77		1771.42	1799.26	34.24	11.76	12.77	2		.	.	.
2053	35 38.61	80 19.82	704.0	256.93		1768.46	1800.27	34.41	10.43	11.50	3		.	.	.
2054	35 37.77	80 20.10	731.0	254.86		1766.31	1799.07	36.00	11.09	12.21	3		.	.	.
2055	35 37.82	80 19.08	696.0	257.00		1768.54	1799.15	34.86	11.15	12.22	3		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
2056	35 37.52	80 17.91	619.0	261.24		1772.95	1798.72	32.46	11.37	12.32	2		•	•	•
2058	35 38.56	80 16.64	659.0	261.31		1773.02	1800.20	34.81	12.36	13.37	2		•	•	•
2059	35 38.48	80 15.22	632.0	264.85		1776.71	1800.08	36.07	14.54	15.51	2		•	•	•
2060	35 43.73	80 18.35	631.0	264.50		1776.34	1807.56	28.14	6.64	7.60	2		•	•	•
3001	35 37.03	80 29.48	827.0	237.55		1748.29	1798.02	28.06	12-	1.15	3		•	•	•
3002	35 37.07	80 27.85	721.0	245.77		1756.85	1798.08	26.59	2.03	3.13	3		•	•	•
3003	35 36.93	80 27.31	778.0	242.69		1753.64	1797.88	28.94	2.44	3.63	3		•	•	•
3004	35 36.86	80 26.11	874.0	232.25		1742.77	1797.78	27.20	2.58-	1.24-	3		•	•	•
3005	35 37.04	80 25.30	786.0	237.25		1747.98	1798.04	23.88	2.90-	1.70-	3		•	•	•
3006	35 36.71	80 24.47	750.0	245.35		1756.41	1797.57	29.39	3.84	4.99	3		•	•	•
3007	35 36.97	80 23.33	704.0	254.26		1765.68	1797.94	33.96	9.98	11.06	3		•	•	•
3008	35 36.12	80 29.86	827.0	236.91		1747.62	1796.73	28.68	51	1.77	3		•	•	•
3009	35 36.01	80 28.30	773.0	240.78		1751.65	1796.57	27.79	1.45	2.64	3		•	•	•
3010	35 36.01	80 27.28	841.0	235.71		1746.37	1796.57	28.91	25	1.54	3		•	•	•
3011	35 36.07	80 26.28	846.0	232.67		1743.21	1796.66	26.13	2.69-	1.40-	3		•	•	•
3012	35 35.90	80 25.12	769.0	241.91		1752.83	1796.41	28.75	2.55	3.73	3		•	•	•
3013	35 35.94	80 24.08	732.0	249.93		1761.18	1796.47	33.56	8.62	9.74	3		•	•	•
3014	35 35.65	80 22.79	739.0	253.80		1765.21	1796.06	38.66	13.49	14.62	3		•	•	•
3015	35 34.86	80 29.32	818.0	237.57		1748.31	1794.93	30.32	2.45	3.70	3		•	•	•
3016	35 35.00	80 28.40	832.0	233.98		1744.57	1795.13	27.70	65-	62	3		•	•	•
3017	35 34.72	80 27.41	843.0	232.00		1742.51	1794.74	27.07	1.65-	36-	3		•	•	•
3018	35 35.20	80 26.35	793.0	236.78		1747.49	1795.42	26.66	35-	86	3		•	•	•
3019	35 34.63	80 25.22	818.0	243.54		1754.53	1794.61	36.86	9.00	10.25	3		•	•	•
3020	35 34.75	80 24.38	796.0	247.94		1759.11	1794.78	39.21	12.09	13.31	3		•	•	•
3021	35 34.85	80 23.28	773.0	251.35		1762.66	1794.92	40.45	14.11	15.30	3		•	•	•
3022	35 33.76	80 29.75	842.0	230.91		1741.38	1793.37	27.21	1.48-	19-	3		•	•	•
3023	35 33.88	80 28.43	885.0	226.89		1737.19	1793.54	26.89	3.26-	1.90-	3		•	•	•
3024	35 33.86	80 27.54	836.0	232.41		1742.94	1793.51	28.06	42-	86	3		•	•	•
3025	35 34.07	80 26.58	815.0	238.70		1749.49	1793.81	32.34	4.57	5.82	3		•	•	•
3026	35 33.80	80 25.42	803.0	246.81		1757.93	1793.43	40.03	12.68	13.91	3		•	•	•
3027	35 33.92	80 24.55	732.0	253.26		1764.64	1793.60	39.90	14.96	16.08	3		•	•	•
3028	35 33.89	80 23.00	684.0	255.34		1766.81	1793.56	37.59	14.29	15.34	3		•	•	•
3029	35 32.75	80 29.85	888.0	224.82		1735.04	1791.94	26.63	3.62-	2.26-	3		•	•	•
3030	35 32.88	80 28.22	873.0	227.52		1737.85	1792.12	27.85	1.90-	56-	3		•	•	•
3031	35 32.84	80 27.15	771.0	244.03		1755.04	1792.06	35.50	9.23	10.41	3		•	•	•
3032	35 32.80	80 26.30	782.0	245.44		1756.50	1792.01	38.05	11.41	12.61	3		•	•	•
3033	35 33.06	80 25.20	789.0	247.30		1758.44	1792.38	40.28	13.40	14.61	3		•	•	•
3034	35 32.85	80 24.10	749.0	248.57		1759.76	1792.08	38.13	12.62	13.76	3		•	•	•
3035	35 32.89	80 23.30	722.0	249.03		1760.24	1792.13	36.02	11.42	12.53	3		•	•	•
3036	35 31.80	80 29.40	818.0	226.14		1736.41	1790.59	22.77	5.10-	3.85-	3		•	•	•
3037	35 32.03	80 28.25	756.0	234.90		1745.53	1790.91	25.73	3-	1.13	3		•	•	•
3038	35 31.74	80 27.05	778.0	242.65		1753.60	1790.50	36.28	9.77	10.97	3		•	•	•
3039	35 31.64	80 25.97	754.0	247.62		1758.77	1790.36	39.34	13.65	14.80	3		•	•	•
3040	35 32.00	80 25.05	701.0	250.91		1762.20	1790.87	37.27	13.39	14.46	3		•	•	•
3041	35 31.89	80 24.42	724.0	249.37		1760.59	1790.71	37.98	13.31	14.42	3		•	•	•
3042	35 31.56	80 22.98	727.0	248.66		1759.86	1790.24	38.00	13.23	14.34	3		•	•	•
3043	35 31.11	80 29.58	739.0	232.90		1743.45	1789.60	23.36	1.82-	69-	3		•	•	•
3044	35 31.01	80 28.68	772.0	237.00		1747.72	1789.46	30.87	4.57	5.75	3		•	•	•
3045	35 31.08	80 27.40	807.0	239.03		1749.83	1789.56	36.18	8.68	9.92	3		•	•	•
3046	35 30.70	80 26.20	781.0	244.78		1755.82	1789.02	40.26	13.65	14.85	3		•	•	•
3047	35 30.49	80 25.32	783.0	244.80		1755.84	1788.72	40.77	14.09	15.29	3		•	•	•
3048	35 30.77	80 24.30	768.0	246.51		1757.62	1789.12	40.74	14.57	15.75	3		•	•	•
3049	35 30.80	80 23.18	795.0	245.00		1756.05	1789.16	41.67	14.58	15.80	3		•	•	•

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
3050	35	31.20	80 25.29	744.0		248.49	1759.68	1789.73	39.93	14.58	15.72	3		.	.
4001	35	36.87	80 21.92	744.0		253.73	1765.13	1797.79	37.32	11.97	13.11	3		.	.
4002	35	37.08	80 20.93	729.0		255.00	1766.46	1798.09	36.94	12.10	13.22	3		.	.
4003	35	36.79	80 20.10	714.0		254.95	1766.40	1797.68	35.88	11.56	12.65	3		.	.
4004	35	36.82	80 18.73	664.0		256.73	1768.26	1797.72	33.00	10.37	11.39	2		.	.
4005	35	36.75	80 17.73	648.0		260.06	1771.72	1797.62	35.05	12.97	13.97	2		.	.
4006	35	36.78	80 16.61	708.0		257.19	1768.73	1797.67	37.66	13.54	14.62	3		.	.
4007	35	36.85	80 15.63	653.0		261.85	1773.59	1797.77	37.25	15.00	16.00	2		.	.
4008	35	35.98	80 22.14	684.0		256.85	1768.38	1796.53	36.19	12.89	13.94	3		.	.
4009	35	35.78	80 21.04	656.0		255.94	1767.43	1796.24	32.89	10.54	11.55	2		.	.
4010	35	36.02	80 20.34	652.0		255.99	1767.49	1796.58	32.23	10.02	11.02	2		.	.
4011	35	35.83	80 18.68	631.0		258.80	1770.41	1796.31	33.45	11.95	12.92	2		.	.
4012	35	35.60	80 17.98	693.0		256.29	1767.80	1795.99	37.00	13.39	14.45	3		.	.
4013	35	35.72	80 16.79	636.0		260.63	1772.32	1796.16	35.99	14.32	15.29	2		.	.
4014	35	36.84	80 17.29	660.0		259.37	1771.00	1797.75	35.33	12.85	13.86	2		.	.
4015	35	35.86	80 15.57	686.0		258.57	1770.17	1796.36	38.34	14.97	16.02	3		.	.
4016	35	35.27	80 21.57	631.0		257.40	1768.95	1795.52	32.79	11.29	12.25	2		.	.
4017	35	34.57	80 22.09	722.0		253.84	1765.25	1794.52	38.64	14.04	15.15	3		.	.
4018	35	34.57	80 20.84	706.0		249.37	1760.59	1794.52	32.48	8.42	9.50	3		.	.
4019	35	35.10	80 20.07	737.0		249.35	1760.57	1795.28	34.62	9.51	10.64	3		.	.
4020	35	34.87	80 19.09	674.0		254.79	1766.24	1794.95	34.69	11.73	12.76	3		.	.
4021	35	34.50	80 17.82	682.0		255.85	1767.34	1794.42	37.07	13.83	14.88	3		.	.
4022	35	34.82	80 16.77	692.0		255.99	1767.49	1794.88	37.70	14.13	15.19	3		.	.
4023	35	35.10	80 15.62	755.0		254.55	1765.99	1795.28	41.73	16.01	17.16	3		.	.
4024	35	33.92	80 22.01	658.0		254.76	1766.21	1793.60	34.50	12.09	13.09	2		.	.
4025	35	33.75	80 20.73	756.0		244.09	1755.10	1793.36	32.85	7.10	8.26	3		.	.
4026	35	33.81	80 20.09	732.0		247.11	1758.24	1793.44	33.65	8.71	9.83	3		.	.
4027	35	33.52	80 18.83	685.0		252.43	1763.78	1793.03	35.18	11.85	12.90	3		.	.
4028	35	34.17	80 18.11	667.0		256.08	1767.58	1793.95	36.37	13.64	14.66	2		.	.
4029	35	33.58	80 16.93	684.0		255.14	1766.60	1793.12	37.82	14.52	15.57	3		.	.
4030	35	33.95	80 15.76	649.0		259.49	1771.13	1793.64	38.54	16.43	17.42	2		.	.
4031	35	32.93	80 21.55	737.0		244.08	1755.09	1792.19	32.22	7.11	8.24	3		.	.
4032	35	32.79	80 20.49	733.0		245.89	1756.97	1791.99	33.93	8.95	10.08	3		.	.
4033	35	33.00	80 19.68	747.0		246.37	1757.47	1792.29	35.44	9.99	11.14	3		.	.
4034	35	32.59	80 18.66	730.0		248.45	1759.64	1791.71	36.60	11.73	12.84	3		.	.
4035	35	32.88	80 17.70	709.0		251.25	1762.55	1792.12	37.12	12.97	14.05	3		.	.
4036	35	32.94	80 16.70	670.0		255.12	1766.58	1792.21	37.40	14.57	15.60	3		.	.
4037	35	32.80	80 15.49	643.0		257.92	1769.49	1792.01	37.97	16.06	17.04	2		.	.
4038	35	31.84	80 22.33	757.0		243.36	1754.34	1790.64	34.90	9.11	10.27	3		.	.
4039	35	31.97	80 21.18	775.0		241.93	1752.85	1790.83	34.92	8.52	9.70	3		.	.
4040	35	31.41	80 20.42	759.0		242.18	1753.11	1790.03	34.47	8.61	9.78	3		.	.
4041	35	32.27	80 19.78	738.0		245.48	1756.54	1791.25	34.70	9.56	10.69	3		.	.
4042	35	31.84	80 19.27	720.0		246.90	1758.02	1790.64	35.10	10.57	11.68	3		.	.
4043	35	31.03	80 18.00	674.0		249.25	1760.47	1789.49	34.38	11.42	12.45	3		.	.
4044	35	31.41	80 17.21	677.0		250.79	1762.07	1790.03	35.72	12.66	13.69	3		.	.
4045	35	31.85	80 15.97	662.0		254.63	1766.07	1790.66	37.68	15.13	16.14	2		.	.
4046	35	30.93	80 21.88	737.0		246.02	1757.11	1789.35	37.09	11.98	13.10	3		.	.
4047	35	30.53	80 20.88	785.0		239.20	1750.01	1788.78	35.07	8.32	9.53	3		.	.
4048	35	30.44	80 19.90	722.0		243.92	1754.92	1788.65	34.18	9.58	10.69	3		.	.
4049	35	30.13	80 19.10	734.0		243.72	1754.71	1788.21	35.54	10.53	11.66	3		.	.
4050	35	30.71	80 17.46	683.0		249.14	1760.35	1789.04	35.56	12.29	13.34	3		.	.
4051	35	30.68	80 16.20	665.0		251.81	1763.13	1788.99	36.69	14.03	15.05	2		.	.
4052	35	30.96	80 15.07	659.0		253.87	1765.28	1789.39	37.88	15.42	16.43	2		.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
4053	35 37.30	80 17.20	634.0	261.96		1773.70	1798.40	34.93	13.33	14.30	2		.	.	.
4054	35 30.58	80 18.87	727.0	244.71		1755.74	1788.85	35.27	10.50	11.62	3		.	.	.
5001	35 44.40	80 14.24	693.0	262.09		1773.84	1808.51	30.51	6.90	7.96	3		.	.	.
5002	35 44.50	80 13.70	762.0	258.77		1770.38	1808.66	33.40	7.44	8.61	3		.	.	.
5003	35 44.60	80 12.10	835.0	259.31		1770.94	1808.80	40.68	12.24	13.51	3		.	.	.
5004	35 43.97	80 11.07	772.0	266.06		1777.97	1807.90	42.69	16.38	17.57	3		.	.	.
5005	35 43.99	80 10.24	763.0	269.04		1781.07	1807.93	44.91	18.92	20.08	3		.	.	.
5006	35 44.69	80 09.04	958.0	258.10		1769.68	1808.93	50.86	18.23	19.69	4		.	.	.
5007	35 44.35	80 08.15	861.0	264.07		1775.90	1808.44	48.45	19.11	20.43	3		.	.	.
5008	35 44.35	80 07.40	773.0	269.18		1781.22	1808.44	45.49	19.15	20.34	3		.	.	.
5009	35 44.83	80 06.34	753.0	274.79		1787.06	1809.13	48.76	23.11	24.26	3		.	.	.
5010	35 44.16	80 05.05	782.0	277.03		1789.39	1808.17	54.78	28.13	29.33	3		.	.	.
5011	35 44.60	80 03.35	751.0	281.04		1793.56	1808.80	55.40	29.82	30.97	3		.	.	.
5012	35 44.17	80 02.93	804.0	278.35		1790.76	1808.19	58.20	30.81	32.04	3		.	.	.
5013	35 44.57	80 01.92	790.0	278.98		1791.42	1808.76	56.97	30.06	31.27	3		.	.	.
5014	35 44.69	80 00.20	611.0	288.16		1800.97	1808.93	49.52	28.70	29.64	2		.	.	.
5015	35 43.12	80 14.58	688.0	263.81		1775.63	1806.69	33.66	10.22	11.27	3		.	.	.
5016	35 43.95	80 13.20	794.0	259.80		1771.45	1807.87	38.26	11.21	12.43	3		.	.	.
5017	35 43.49	80 12.09	792.0	260.91		1772.61	1807.22	39.89	12.91	14.12	3		.	.	.
5018	35 43.40	80 11.10	701.0	270.35		1782.43	1807.09	41.28	17.40	18.47	3		.	.	.
5019	35 43.60	80 10.25	731.0	270.23		1782.31	1807.37	43.70	18.79	19.91	3		.	.	.
5020	35 43.71	80 09.19	793.0	267.11		1779.06	1807.53	46.12	19.10	20.32	3		.	.	.
5021	35 43.82	80 08.22	851.0	263.32		1775.12	1807.69	47.48	18.49	19.79	3		.	.	.
5022	35 43.40	80 07.07	716.0	271.21		1783.33	1807.09	43.59	19.20	20.29	3		.	.	.
5023	35 43.90	80 05.90	748.0	274.59		1786.85	1807.80	49.41	23.92	25.07	3		.	.	.
5024	35 43.30	80 05.33	744.0	275.04		1787.32	1806.95	50.36	25.01	26.15	3		.	.	.
5025	35 43.67	80 03.82	790.0	276.61		1788.95	1807.47	55.79	28.87	30.08	3		.	.	.
5026	35 43.43	80 02.77	803.0	276.19		1788.51	1807.13	56.91	29.55	30.78	3		.	.	.
5027	35 43.35	80 01.35	675.0	284.69		1797.36	1807.02	53.83	30.84	31.87	3		.	.	.
5028	35 43.42	80 00.38	675.0	284.83		1797.51	1807.12	53.88	30.89	31.92	3		.	.	.
5029	35 42.30	80 14.55	760.0	260.07		1771.73	1805.52	37.70	11.80	12.97	3		.	.	.
5030	35 42.83	80 13.12	760.0	261.42		1773.14	1806.28	38.35	12.46	13.62	3		.	.	.
5031	35 42.28	80 12.40	694.0	266.11		1778.02	1805.49	37.81	14.16	15.22	3		.	.	.
5032	35 42.14	80 10.97	715.0	265.98		1777.89	1805.29	39.85	15.49	16.59	3		.	.	.
5033	35 42.65	80 10.37	712.0	267.90		1779.88	1806.02	40.83	16.58	17.67	3		.	.	.
5034	35 42.21	80 09.79	726.0	266.32		1778.24	1805.39	41.14	16.40	17.51	3		.	.	.
5035	35 42.60	80 08.28	712.0	269.28		1781.32	1805.95	42.34	18.09	19.18	3		.	.	.
5036	35 42.23	80 07.53	784.0	264.62		1776.47	1805.42	44.79	18.08	19.28	3		.	.	.
5037	35 42.72	80 06.39	748.0	270.17		1782.25	1806.12	46.49	21.01	22.15	3		.	.	.
5038	35 42.35	80 05.25	728.0	274.45		1786.70	1805.59	49.58	24.78	25.90	3		.	.	.
5039	35 42.75	80 03.85	790.0	273.75		1785.97	1806.16	54.12	27.20	28.41	3		.	.	.
5040	35 42.40	80 02.96	719.0	280.21		1792.70	1805.66	54.67	30.17	31.27	3		.	.	.
5041	35 42.45	80 01.62	682.0	282.44		1795.02	1805.74	53.44	30.20	31.24	3		.	.	.
5042	35 42.52	80 00.43	663.0	285.38		1798.08	1805.84	54.61	32.02	33.04	2		.	.	.
5043	35 41.08	80 14.35	681.0	263.38		1775.18	1803.79	35.45	12.25	13.29	3		.	.	.
5044	35 41.68	80 13.68	703.0	262.97		1774.75	1804.64	36.24	12.29	13.36	3		.	.	.
5045	35 41.06	80 13.08	722.0	262.58		1774.35	1803.76	38.51	13.91	15.01	3		.	.	.
5046	35 41.72	80 12.34	702.0	265.04		1776.91	1804.70	38.25	14.33	15.40	3		.	.	.
5048	35 41.75	80 10.58	699.0	266.74		1778.68	1804.74	39.69	15.88	16.95	3		.	.	.
5049	35 41.53	80 08.73	665.0	269.50		1781.55	1804.43	39.68	17.02	18.04	2		.	.	.
5050	35 41.32	80 07.48	772.0	265.85		1777.75	1804.13	46.24	19.94	21.12	3		.	.	.
5051	35 41.42	80 06.10	686.0	274.39		1786.64	1804.27	46.90	23.53	24.58	3		.	.	.
5052	35 40.98	80 05.20	674.0	280.25		1792.74	1803.64	52.50	29.53	30.57	3		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
5053	35 41.22	80 02.93	682.0	281.88		1794.44	1803.98	54.61	31.37	32.42	3		.	.	.
5054	35 41.89	80 02.58	645.0	283.11		1795.72	1804.94	51.45	29.48	30.47	2		.	.	.
5055	35 41.62	80 01.57	595.0	287.59		1800.38	1804.55	51.79	31.52	32.43	2		.	.	.
5056	35 41.73	80 00.72	569.0	288.54		1801.37	1804.71	50.18	30.80	31.67	2		.	.	.
5057	35 40.98	80 00.12	590.0	286.69		1799.44	1803.64	51.30	31.19	32.10	2		.	.	.
5058	35 40.46	80 14.33	650.0	265.17		1777.04	1802.90	35.28	13.13	14.13	2		.	.	.
5059	35 40.40	80 13.60	671.0	264.45		1776.29	1802.82	36.59	13.73	14.76	3		.	.	.
5060	35 40.65	80 11.96	840.0	255.84		1767.33	1803.17	43.17	14.55	15.84	3		.	.	.
5061	35 40.48	80 11.00	697.0	264.93		1776.79	1802.93	39.42	15.68	16.74	3		.	.	.
5062	35 40.80	80 10.35	673.0	267.24		1779.20	1803.39	39.12	16.19	17.22	3		.	.	.
5063	35 40.65	80 09.41	724.0	265.34		1777.22	1803.17	42.15	17.48	18.59	3		.	.	.
5064	35 40.60	80 08.27	818.0	263.67		1775.48	1803.10	49.32	21.45	22.71	3		.	.	.
5065	35 40.10	80 07.52	695.0	270.83		1782.93	1802.39	45.91	22.24	23.30	3		.	.	.
5066	35 40.68	80 06.00	662.0	277.94		1790.34	1803.22	49.39	26.84	27.85	2		.	.	.
5067	35 40.38	80 05.18	743.0	277.49		1789.87	1802.79	56.97	31.66	32.79	3		.	.	.
5068	35 40.84	80 04.35	772.0	277.15		1789.51	1803.44	58.68	32.38	33.56	3		.	.	.
5069	35 42.02	80 03.72	809.0	274.77		1787.04	1805.12	58.01	30.45	31.69	3		.	.	.
5070	35 40.38	80 03.76	687.0	281.05		1793.57	1802.79	55.40	32.00	33.05	3		.	.	.
5071	35 40.44	80 02.66	604.0	286.81		1799.57	1802.87	53.51	32.93	33.86	2		.	.	.
5072	35 40.08	80 02.25	719.0	279.87		1792.34	1802.36	57.61	33.11	34.21	3		.	.	.
5073	35 40.10	80 01.43	595.0	285.46		1798.16	1802.39	51.74	31.47	32.38	2		.	.	.
5074	35 39.75	80 14.52	650.0	264.96		1776.82	1801.89	36.07	13.92	14.92	2		.	.	.
5075	35 38.96	80 13.53	728.0	260.76		1772.45	1800.77	40.16	15.36	16.47	3		.	.	.
5076	35 38.98	80 12.33	702.0	263.59		1775.40	1800.80	40.64	16.72	17.80	3		.	.	.
5077	35 39.48	80 10.97	662.0	266.51		1778.44	1801.51	39.20	16.65	17.66	2		.	.	.
5078	35 38.75	80 11.30	645.0	268.58		1780.59	1800.47	40.79	18.82	19.81	2		.	.	.
5079	35 38.95	80 10.18	670.0	267.73		1779.71	1800.75	41.98	19.15	20.18	3		.	.	.
5080	35 40.10	80 11.93	788.0	258.25		1769.84	1802.39	41.57	14.72	15.93	3		.	.	.
5081	35 39.08	80 08.81	696.0	268.45		1780.46	1800.94	44.99	21.28	22.34	3		.	.	.
5082	35 39.20	80 08.05	671.0	271.50		1783.63	1801.11	45.64	22.78	23.80	3		.	.	.
5083	35 39.70	80 06.77	673.0	276.07		1788.39	1801.82	49.87	26.95	27.98	3		.	.	.
5084	35 39.79	80 05.80	721.0	276.91		1789.26	1801.95	55.13	30.57	31.67	3		.	.	.
5085	35 39.85	80 05.02	762.0	275.01		1787.29	1802.03	56.93	30.97	32.14	3		.	.	.
5086	35 39.73	80 04.22	766.0	275.81		1788.12	1801.86	58.31	32.21	33.38	3		.	.	.
5087	35 39.28	80 03.05	690.0	280.64		1793.15	1801.22	56.83	33.32	34.38	3		.	.	.
5088	35 39.20	80 01.34	470.0	289.90		1802.79	1801.11	45.89	29.88	30.60	2		.	.	.
5089	35 39.67	80 00.55	560.0	286.04		1798.77	1801.78	49.67	30.59	31.45	2		.	.	.
5090	35 38.54	80 14.90	655.0	264.00		1775.82	1800.17	37.26	14.95	15.95	2		.	.	.
5091	35 38.00	80 13.62	686.0	263.79		1775.61	1799.40	40.74	17.36	18.41	3		.	.	.
5092	35 38.25	80 12.30	647.0	267.95		1779.94	1799.76	41.04	19.00	19.99	2		.	.	.
5093	35 37.84	80 11.00	765.0	261.32		1773.03	1799.17	45.81	19.75	20.92	3		.	.	.
5094	35 38.37	80 10.48	747.0	263.07		1774.86	1799.93	45.20	19.75	20.89	3		.	.	.
5095	35 38.28	80 09.35	630.0	271.87		1784.02	1799.80	43.48	22.02	22.98	2		.	.	.
5096	35 38.12	80 08.05	655.0	274.12		1786.36	1799.57	48.40	26.08	27.09	2		.	.	.
5097	35 38.64	80 06.70	684.0	274.65		1786.91	1800.31	50.94	27.63	28.68	3		.	.	.
5098	35 38.36	80 05.61	715.0	274.72		1786.98	1799.91	54.32	29.96	31.06	3		.	.	.
5099	35 38.63	80 04.70	719.0	275.76		1788.07	1800.30	55.40	30.91	32.01	3		.	.	.
5100	35 38.70	80 03.71	699.0	279.24		1791.69	1800.40	57.04	33.23	34.30	3		.	.	.
5101	35 38.00	80 03.00	538.0	285.34		1798.04	1799.40	49.24	30.92	31.74	2		.	.	.
5102	35 38.16	80 02.04	618.0	279.54		1792.00	1799.63	50.50	29.45	30.39	2		.	.	.
5103	35 38.08	80 00.75	565.0	281.64		1794.19	1799.52	47.82	28.57	29.44	2		.	.	.
5104	35 37.32	80 14.54	619.0	265.29		1777.17	1798.43	36.96	15.87	16.82	2		.	.	.
5105	35 37.04	80 13.45	619.0	266.29		1778.21	1798.04	38.40	17.31	18.26	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
5106	35 37.40	80 12.50	619.0	268.10		1780.09	1798.55	39.77	18.68	19.63	2		.	.	.
5107	35 37.01	80 11.32	639.0	268.86		1780.88	1797.99	42.99	21.22	22.20	2		.	.	.
5108	35 37.00	80 10.65	608.0	272.07		1784.22	1797.98	43.43	22.72	23.65	2		.	.	.
5109	35 37.40	80 09.20	616.0	274.48		1786.73	1798.55	46.13	25.14	26.08	2		.	.	.
5110	35 37.68	80 08.45	652.0	273.37		1785.58	1798.95	47.96	25.75	26.75	2		.	.	.
5111	35 37.80	80 07.46	686.0	273.65		1785.87	1799.12	51.28	27.91	28.96	3		.	.	.
5112	35 36.96	80 07.57	709.0	270.64		1782.74	1797.92	51.51	27.35	28.44	3		.	.	.
5113	35 37.00	80 06.29	718.0	271.72		1783.86	1797.98	53.42	28.96	30.06	3		.	.	.
5114	35 36.88	80 04.92	622.0	276.48		1788.82	1797.81	49.52	28.33	29.28	2		.	.	.
5115	35 37.85	80 04.47	644.0	278.52		1790.94	1799.19	52.33	30.39	31.37	2		.	.	.
5116	35 37.22	80 03.30	603.0	279.41		1791.87	1798.29	50.30	29.76	30.68	2		.	.	.
5117	35 37.60	80 01.89	544.0	281.58		1794.12	1798.83	46.46	27.92	28.76	2		.	.	.
5118	35 37.55	80 00.35	470.0	284.92		1797.60	1798.76	43.05	27.04	27.76	2		.	.	.
5119	35 36.34	80 14.68	626.0	262.43		1774.19	1797.04	36.03	14.71	15.67	2		.	.	.
5120	35 35.83	80 13.30	584.0	268.20		1780.20	1796.31	38.82	18.92	19.82	2		.	.	.
5121	35 36.45	80 11.65	615.0	269.58		1781.63	1797.20	42.28	21.33	22.27	2		.	.	.
5122	35 36.66	80 10.30	635.0	272.56		1784.73	1797.50	46.96	25.33	26.30	2		.	.	.
5123	35 35.90	80 09.68	655.0	270.00		1782.07	1796.41	47.27	24.95	25.96	2		.	.	.
5124	35 36.50	80 08.60	675.0	271.40		1783.53	1797.27	49.75	26.76	27.79	3		.	.	.
5125	35 36.30	80 07.30	661.0	272.83		1785.02	1796.98	50.21	27.69	28.71	2		.	.	.
5126	35 36.15	80 06.01	700.0	270.22		1782.30	1796.77	51.37	27.53	28.60	3		.	.	.
5127	35 36.01	80 04.70	637.0	273.15		1785.35	1796.57	48.70	27.00	27.97	2		.	.	.
5128	35 36.60	80 03.58	601.0	277.04		1789.40	1797.41	48.52	28.05	28.97	2		.	.	.
5129	35 36.07	80 03.01	615.0	273.96		1786.19	1796.66	47.38	26.43	27.37	2		.	.	.
5130	35 36.70	80 01.92	569.0	277.71		1790.10	1797.55	46.07	26.68	27.56	2		.	.	.
5131	35 36.68	80 01.13	563.0	278.62		1791.04	1797.52	46.47	27.29	28.16	2		.	.	.
5132	35 35.36	80 14.70	642.0	263.03		1774.81	1795.65	39.55	17.68	18.66	2		.	.	.
5133	35 35.14	80 13.48	573.0	268.95		1780.98	1795.33	39.55	20.02	20.90	2		.	.	.
5134	35 35.31	80 11.82	575.0	272.19		1784.35	1795.57	42.86	23.27	24.15	2		.	.	.
5135	35 35.70	80 11.24	624.0	269.77		1781.83	1796.13	44.40	23.14	24.09	2		.	.	.
5136	35 34.82	80 10.38	654.0	267.83		1779.81	1794.88	46.45	24.17	25.17	2		.	.	.
5137	35 35.16	80 09.22	633.0	270.48		1782.57	1795.36	46.75	25.18	26.15	2		.	.	.
5138	35 35.33	80 07.93	634.0	272.07		1784.22	1795.60	48.25	26.65	27.62	2		.	.	.
5139	35 34.84	80 07.03	677.0	268.87		1780.89	1794.91	49.66	26.60	27.64	3		.	.	.
5140	35 35.20	80 06.00	658.0	269.86		1781.92	1795.42	48.39	25.98	26.98	2		.	.	.
5141	35 35.20	80 05.10	710.0	266.81		1778.75	1795.42	50.12	25.93	27.01	3		.	.	.
5142	35 34.70	80 04.00	716.0	264.83		1776.69	1794.71	49.33	24.94	26.03	3		.	.	.
5143	35 35.58	80 02.65	610.0	272.33		1784.50	1795.96	45.92	25.14	26.07	2		.	.	.
5144	35 34.94	80 01.80	635.0	268.40		1780.40	1795.05	45.08	23.45	24.42	2		.	.	.
5145	35 35.45	80 01.22	603.0	271.83		1783.98	1795.77	44.93	24.38	25.31	2		.	.	.
5146	35 34.17	80 14.49	627.0	263.24		1775.03	1793.95	40.05	18.69	19.65	2		.	.	.
5147	35 34.45	80 13.55	612.0	265.95		1777.85	1794.35	41.06	20.21	21.15	2		.	.	.
5148	35 34.03	80 12.05	569.0	270.28		1782.36	1793.76	42.13	22.74	23.61	2		.	.	.
5149	35 34.79	80 11.27	668.0	266.81		1778.75	1794.84	46.75	23.99	25.01	2		.	.	.
5150	35 34.18	80 10.84	591.0	270.45		1782.54	1793.97	44.16	24.03	24.93	2		.	.	.
5151	35 34.06	80 09.90	630.0	268.39		1780.39	1793.80	45.85	24.39	25.35	2		.	.	.
5152	35 34.24	80 08.90	697.0	266.02		1777.93	1794.05	49.44	25.69	26.76	3		.	.	.
5153	35 34.12	80 07.95	748.0	262.99		1774.77	1793.88	51.25	25.76	26.91	3		.	.	.
5154	35 34.40	80 06.80	707.0	267.48		1779.45	1794.28	51.67	27.59	28.67	3		.	.	.
5155	35 34.50	80 05.90	737.0	264.34		1776.18	1794.42	51.08	25.97	27.10	3		.	.	.
5157	35 34.08	80 03.47	741.0	261.57		1773.29	1793.83	49.16	23.92	25.05	3		.	.	.
5158	35 33.97	80 02.70	634.0	266.63		1778.56	1793.67	44.53	22.93	23.90	2		.	.	.
5159	35 33.67	80 01.70	612.0	266.01		1777.92	1793.24	42.24	21.39	22.33	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
5160	35 34.58	80 00.80	567.0	270.39		1782.48	1794.54	41.28	21.96	22.83	2		.	.	.
5161	35 33.17	80 14.40	633.0	261.27		1772.98	1792.53	39.99	18.42	19.39	2		.	.	.
5162	35 33.40	80 13.10	617.0	265.29		1777.17	1792.86	42.35	21.33	22.27	2		.	.	.
5163	35 32.65	80 13.24	565.0	266.14		1778.05	1791.79	39.40	20.15	21.02	2		.	.	.
5166	35 33.05	80 10.54	725.0	260.82		1772.51	1792.36	48.34	23.64	24.75	3		.	.	.
5167	35 32.95	80 09.41	633.0	266.20		1778.11	1792.22	45.43	23.87	24.84	2		.	.	.
5168	35 33.10	80 08.47	719.0	262.37		1774.13	1792.43	49.33	24.83	25.93	3		.	.	.
5169	35 32.74	80 07.24	684.0	263.02		1774.80	1791.92	47.22	23.91	24.96	3		.	.	.
5170	35 32.75	80 06.36	687.0	263.27		1775.06	1791.94	47.75	24.34	25.39	3		.	.	.
5171	35 33.26	80 05.55	731.0	261.38		1773.10	1792.66	49.20	24.30	25.41	3		.	.	.
5172	35 33.20	80 04.20	726.0	260.58		1772.26	1792.57	47.97	23.24	24.35	3		.	.	.
5174	35 32.77	80 01.42	600.0	263.94		1775.76	1791.96	40.23	19.79	20.71	2		.	.	.
5175	35 38.14	80 00.80	597.0	264.80		1776.66	1799.60	33.22	12.88	13.79	2		.	.	.
5176	35 32.55	80 14.46	605.0	260.92		1772.62	1791.65	37.88	17.27	18.19	2		.	.	.
5177	35 31.70	80 14.70	657.0	255.89		1767.38	1790.44	38.74	16.35	17.36	2		.	.	.
5178	35 32.00	80 13.22	605.0	262.28		1774.03	1790.87	40.07	19.46	20.38	2		.	.	.
5179	35 31.80	80 12.45	580.0	264.90		1776.76	1790.59	40.73	20.97	21.86	2		.	.	.
5180	35 32.02	80 11.35	559.0	267.55		1779.52	1790.90	41.20	22.16	23.01	2		.	.	.
5181	35 32.54	80 10.24	604.0	266.63		1778.56	1791.64	43.74	23.16	24.08	2		.	.	.
5182	35 31.95	80 09.70	619.0	264.87		1776.73	1790.80	44.16	23.07	24.02	2		.	.	.
5183	35 31.87	80 08.93	698.0	260.21		1771.88	1790.69	46.85	23.07	24.14	3		.	.	.
5184	35 32.41	80 08.45	660.0	263.25		1775.04	1791.45	45.67	23.18	24.19	2		.	.	.
5185	35 32.20	80 07.27	615.0	265.98		1777.89	1791.15	44.59	23.63	24.57	2		.	.	.
5186	35 31.86	80 06.14	588.0	266.36		1778.28	1790.67	42.92	22.89	23.79	2		.	.	.
5187	35 32.06	80 05.08	619.0	266.45		1778.37	1790.96	45.64	24.55	25.50	2		.	.	.
5188	35 31.86	80 03.97	729.0	258.45		1770.05	1790.67	47.95	23.11	24.23	3		.	.	.
5189	35 32.59	80 02.99	760.0	257.34		1768.89	1791.71	48.67	22.78	23.94	3		.	.	.
5190	35 31.54	80 02.02	638.0	259.53		1771.17	1790.22	40.97	19.23	20.21	2		.	.	.
5191	35 31.75	80 00.68	607.0	260.17		1771.84	1790.51	38.42	17.74	18.67	2		.	.	.
5192	35 30.94	80 14.90	653.0	254.07		1765.49	1789.36	37.55	15.30	16.30	2		.	.	.
5193	35 31.13	80 13.43	601.0	259.26		1770.89	1789.63	37.79	17.31	18.23	2		.	.	.
5194	35 30.55	80 13.62	647.0	255.92		1767.41	1788.81	39.46	17.42	18.41	2		.	.	.
5198	35 30.72	80 09.18	605.0	263.83		1775.65	1789.05	43.51	22.90	23.82	2		.	.	.
5199	35 31.56	80 08.00	747.0	256.03		1767.53	1790.24	47.55	22.10	23.24	3		.	.	.
5200	35 30.96	80 07.00	618.0	262.07		1773.81	1789.39	42.55	21.50	22.44	2		.	.	.
5201	35 30.71	80 06.05	513.0	267.21		1779.17	1789.04	38.39	20.91	21.70	2		.	.	.
5202	35 31.23	80 04.57	648.0	262.38		1774.14	1789.78	45.32	23.24	24.23	2		.	.	.
5203	35 30.76	80 04.00	628.0	261.70		1773.43	1789.11	43.39	22.00	22.96	2		.	.	.
5204	35 31.00	80 02.20	639.0	258.25		1769.84	1789.45	40.50	18.73	19.71	2		.	.	.
5205	35 30.76	80 01.00	447.0	267.07		1779.02	1789.11	31.96	16.73	17.41	2		.	.	.
5206	35 30.40	80 11.01	604.0	263.59		1775.40	1788.60	43.62	23.04	23.97	2		.	.	.
5207	35 30.25	80 07.40	547.0	264.03		1775.86	1788.38	38.93	20.29	21.13	2		.	.	.
5208	35 30.01	80 05.01	650.0	257.59		1769.15	1788.04	42.25	20.10	21.10	2		.	.	.
5209	35 37.55	80 04.08	678.0	275.94		1788.25	1798.76	53.26	30.16	31.20	3		.	.	.
5210	35 30.56	80 08.33	621.0	261.33		1773.04	1788.82	42.63	21.47	22.42	2		.	.	.
5211	35 39.37	80 10.23	619.0	270.22		1782.30	1801.35	39.17	18.09	19.03	2		.	.	.
6001	35 29.90	80 29.56	746.0	234.21		1744.81	1787.89	27.09	1.68	2.82	3		.	.	.
6002	35 29.06	80 28.93	771.0	234.37		1744.98	1786.69	30.81	4.54	5.72	3		.	.	.
6003	35 29.76	80 27.71	700.0	243.29		1754.26	1787.69	32.42	8.57	9.64	3		.	.	.
6004	35 29.35	80 26.70	779.0	241.94		1752.86	1787.10	39.03	12.49	13.68	3		.	.	.
6005	35 29.50	80 24.95	795.0	244.62		1755.65	1787.32	43.11	16.03	17.24	3		.	.	.
6006	35 29.48	80 24.19	815.0	243.74		1754.73	1787.29	44.10	16.33	17.58	3		.	.	.
6007	35 29.40	80 23.21	778.0	243.85		1754.85	1787.18	40.85	14.35	15.54	3		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
6008	35	29.87	80 22.09	693.0	245.27	1756.33	1787.84	33.67	10.06	11.12	3		.	.	.
6009	35	29.33	80 21.23	748.0	240.12	1750.96	1787.08	34.24	8.76	9.90	3		.	.	.
6010	35	29.30	80 18.90	679.0	246.50	1757.61	1787.03	34.45	11.31	12.35	3		.	.	.
6011	35	29.15	80 17.74	692.0	246.40	1757.50	1786.82	35.77	12.19	13.25	3		.	.	.
6012	35	29.07	80 17.03	675.0	247.40	1758.54	1786.71	35.33	12.33	13.36	3		.	.	.
6013	35	29.05	80 15.40	656.0	250.38	1761.65	1786.68	36.68	14.33	15.33	2		.	.	.
6014	35	28.35	80 29.17	761.0	233.69	1744.27	1785.68	30.17	4.24	5.41	3		.	.	.
6015	35	28.20	80 28.46	739.0	237.16	1747.88	1785.47	31.92	6.74	7.88	3		.	.	.
6016	35	28.31	80 27.17	712.0	243.94	1754.94	1785.63	36.29	12.03	13.12	3		.	.	.
6017	35	28.34	80 26.20	687.0	246.46	1757.56	1785.67	36.51	13.11	14.16	3		.	.	.
6018	35	28.32	80 25.14	785.0	242.90	1753.86	1785.64	42.06	15.31	16.52	3		.	.	.
6019	35	28.28	80 24.28	799.0	240.79	1751.66	1785.58	41.23	14.01	15.23	3		.	.	.
6020	35	28.81	80 23.60	675.0	248.39	1759.57	1786.34	36.72	13.73	14.76	3		.	.	.
6021	35	27.97	80 23.10	621.0	246.53	1757.64	1785.14	30.91	9.75	10.70	2		.	.	.
6022	35	28.80	80 22.10	684.0	243.41	1754.39	1786.32	32.41	9.10	10.15	3		.	.	.
6023	35	28.22	80 21.44	706.0	241.60	1752.51	1785.50	33.42	9.37	10.45	3		.	.	.
6024	35	28.22	80 20.37	755.0	238.83	1749.62	1785.50	35.14	9.42	10.57	3		.	.	.
6025	35	28.67	80 18.72	681.0	245.43	1756.49	1786.14	34.41	11.21	12.25	3		.	.	.
6026	35	28.38	80 18.20	695.0	244.50	1755.52	1785.73	35.17	11.49	12.55	3		.	.	.
6027	35	28.16	80 16.85	628.0	248.97	1760.18	1785.41	33.84	12.44	13.40	2		.	.	.
6028	35	28.08	80 15.54	661.0	248.76	1759.96	1785.30	36.83	14.32	15.33	2		.	.	.
6029	35	27.36	80 29.30	692.0	234.88	1745.51	1784.28	26.32	2.75	3.81	3		.	.	.
6030	35	27.59	80 28.20	722.0	239.23	1750.04	1784.61	33.35	8.75	9.86	3		.	.	.
6031	35	27.67	80 27.08	718.0	243.50	1754.48	1784.72	37.30	12.84	13.94	3		.	.	.
6032	35	27.65	80 26.40	676.0	246.95	1758.07	1784.69	36.97	13.94	14.97	3		.	.	.
6033	35	27.43	80 25.27	728.0	243.51	1754.49	1784.38	38.59	13.79	14.90	3		.	.	.
6034	35	27.30	80 24.55	766.0	240.66	1751.53	1784.19	39.39	13.29	14.46	3		.	.	.
6035	35	27.32	80 23.70	616.0	246.40	1757.50	1784.22	31.22	10.23	11.18	2		.	.	.
6036	35	27.27	80 22.18	706.0	240.89	1751.77	1784.15	34.03	9.97	11.06	3		.	.	.
6037	35	27.10	80 20.92	660.0	243.35	1754.33	1783.91	32.50	10.02	11.03	2		.	.	.
6038	35	27.38	80 20.47	664.0	243.16	1754.13	1784.31	32.28	9.66	10.68	2		.	.	.
6039	35	27.53	80 19.30	690.0	242.53	1753.47	1784.52	33.85	10.35	11.40	3		.	.	.
6040	35	27.20	80 17.80	658.0	245.23	1756.28	1784.05	34.12	11.71	12.71	2		.	.	.
6041	35	27.40	80 16.92	584.0	250.94	1762.23	1784.34	32.83	12.93	13.83	2		.	.	.
6042	35	27.50	80 16.00	683.0	246.01	1757.10	1784.48	36.87	13.60	14.64	3		.	.	.
6043	35	26.38	80 29.33	730.0	233.53	1744.10	1782.89	29.88	5.01	6.13	3		.	.	.
6044	35	26.34	80 28.52	718.0	238.44	1749.22	1782.83	33.93	9.47	10.56	3		.	.	.
6045	35	26.87	80 26.82	695.0	243.61	1754.60	1783.58	36.39	12.71	13.78	3		.	.	.
6046	35	26.28	80 26.70	661.0	243.91	1754.91	1782.75	34.34	11.82	12.83	2		.	.	.
6047	35	26.70	80 25.70	611.0	247.58	1758.73	1783.34	32.86	12.04	12.98	2		.	.	.
6048	35	26.11	80 23.81	554.0	248.97	1760.18	1782.50	29.79	10.91	11.76	2		.	.	.
6049	35	26.90	80 23.40	604.0	246.79	1757.91	1783.63	31.10	10.52	11.45	2		.	.	.
6050	35	26.37	80 22.19	639.0	243.61	1754.60	1782.87	31.83	10.06	11.04	2		.	.	.
6051	35	26.57	80 21.68	638.0	244.41	1755.43	1783.16	32.29	10.55	11.53	2		.	.	.
6052	35	26.46	80 20.46	665.0	242.46	1753.40	1783.00	32.95	10.30	11.31	2		.	.	.
6053	35	26.37	80 19.40	616.0	245.34	1756.40	1782.87	31.47	10.48	11.43	2		.	.	.
6054	35	26.33	80 18.33	689.0	242.02	1752.94	1782.82	34.93	11.46	12.51	3		.	.	.
6055	35	26.55	80 17.35	653.0	245.08	1756.13	1783.13	34.42	12.18	13.18	2		.	.	.
6056	35	26.35	80 16.10	613.0	248.69	1759.89	1782.85	34.71	13.82	14.76	2		.	.	.
6057	35	25.40	80 29.30	708.0	235.75	1746.42	1781.50	31.52	7.40	8.48	3		.	.	.
6058	35	25.12	80 28.50	716.0	235.27	1745.92	1781.10	32.17	7.78	8.87	3		.	.	.
6059	35	25.80	80 27.73	730.0	239.22	1750.03	1782.06	36.63	11.76	12.88	3		.	.	.
6060	35	25.03	80 27.47	681.0	239.72	1750.55	1780.97	33.64	10.43	11.48	3		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
6061	35 25.17	80 26.31	759.0	237.63		1748.37	1781.17	38.59	12.74	13.90	3		.	.	.
6062	35 25.43	80 25.60	690.0	241.70		1752.61	1781.54	35.97	12.47	13.52	3		.	.	.
6063	35 25.83	80 25.20	632.0	245.09		1756.14	1782.11	33.48	11.95	12.92	2		.	.	.
6064	35 25.60	80 24.68	542.0	248.96		1760.17	1781.78	29.37	10.91	11.74	2		.	.	.
6065	35 25.78	80 22.86	658.0	243.05		1754.02	1782.04	33.88	11.46	12.47	2		.	.	.
6066	35 25.40	80 22.14	565.0	245.64		1756.71	1781.50	28.36	9.11	9.98	2		.	.	.
6067	35 25.77	80 21.20	671.0	241.75		1752.66	1782.02	33.75	10.89	11.92	3		.	.	.
6068	35 24.84	80 20.68	653.0	240.95		1751.83	1780.70	32.55	10.30	11.30	2		.	.	.
6069	35 25.53	80 20.32	635.0	243.32		1754.30	1781.68	32.35	10.72	11.69	2		.	.	.
6070	35 25.37	80 18.78	641.0	243.07		1754.04	1781.45	32.88	11.04	12.02	2		.	.	.
6071	35 25.10	80 18.10	692.0	240.78		1751.65	1781.07	35.67	12.09	13.15	3		.	.	.
6072	35 25.63	80 17.00	684.0	242.23		1753.16	1781.82	35.68	12.37	13.42	3		.	.	.
6073	35 25.65	80 15.83	606.0	248.41		1759.59	1781.85	34.74	14.10	15.02	2		.	.	.
6074	35 24.20	80 29.48	641.0	240.32		1751.17	1779.79	31.67	9.83	10.81	2		.	.	.
6075	35 24.60	80 28.80	672.0	238.83		1749.62	1780.36	32.47	9.58	10.60	3		.	.	.
6076	35 24.55	80 27.65	632.0	240.02		1750.86	1780.29	30.02	8.49	9.45	2		.	.	.
6077	35 24.50	80 26.55	731.0	238.02		1748.78	1780.22	37.32	12.42	13.54	3		.	.	.
6078	35 23.93	80 26.13	629.0	240.57		1751.43	1779.41	31.19	9.76	10.72	2		.	.	.
6079	35 24.78	80 24.76	569.0	246.49		1757.60	1780.62	30.51	11.12	11.99	2		.	.	.
6080	35 24.67	80 24.04	690.0	239.72		1750.55	1780.46	34.99	11.49	12.54	3		.	.	.
6081	35 24.50	80 22.80	570.0	244.88		1755.92	1780.22	29.32	9.90	10.77	2		.	.	.
6082	35 23.92	80 23.05	545.0	245.82		1756.90	1779.40	28.77	10.20	11.04	2		.	.	.
6083	35 24.00	80 21.78	682.0	237.77		1748.52	1779.51	33.16	9.93	10.97	3		.	.	.
6084	35 24.18	80 20.98	637.0	240.59		1751.45	1779.77	31.60	9.90	10.88	2		.	.	.
6085	35 24.40	80 19.93	525.0	247.72		1758.88	1780.08	28.19	10.30	11.10	2		.	.	.
6086	35 24.10	80 19.30	628.0	241.79		1752.70	1779.65	32.12	10.72	11.69	2		.	.	.
6087	35 24.50	80 17.90	702.0	239.14		1749.94	1780.22	35.75	11.84	12.91	3		.	.	.
6088	35 23.80	80 18.07	682.0	239.04		1749.84	177.23	34.76	11.53	12.57	3		.	.	.
6089	35 24.25	80 16.73	551.0	249.39		1760.61	1779.87	32.57	13.80	14.65	2		.	.	.
6090	35 24.13	80 16.05	615.0	245.55		1756.62	1779.69	34.78	13.82	14.76	2		.	.	.
6091	35 23.68	80 28.90	673.0	238.01		1748.77	1779.06	33.02	10.09	11.12	3		.	.	.
6092	35 22.92	80 29.27	729.0	234.45		1745.06	1777.98	35.65	10.82	11.93	3		.	.	.
6093	35 22.83	80 28.28	706.0	234.27		1744.88	1777.85	33.44	9.39	10.47	3		.	.	.
6094	35 23.64	80 27.65	680.0	234.65		1745.27	1779.00	30.23	7.07	8.11	3		.	.	.
6095	35 23.23	80 26.30	531.0	244.36		1755.38	1778.42	26.91	8.82	9.63	2		.	.	.
6096	35 23.75	80 24.90	533.0	248.26		1759.44	1779.16	30.42	12.26	13.08	2		.	.	.
6097	35 23.00	80 25.17	570.0	244.38		1755.40	1778.09	30.93	11.51	12.38	2		.	.	.
6098	35 23.50	80 24.14	662.0	238.89		1749.68	1778.80	33.15	10.60	11.61	2		.	.	.
6099	35 23.26	80 23.59	574.0	242.80		1753.75	1778.46	29.28	9.73	10.61	2		.	.	.
6100	35 23.08	80 22.36	532.0	244.56		1755.59	1778.20	27.43	9.30	10.12	2		.	.	.
6101	35 23.10	80 21.50	628.0	238.82		1749.61	1778.23	30.45	9.05	10.02	2		.	.	.
6102	35 23.48	80 20.00	573.0	243.62		1754.61	1778.77	29.74	10.21	11.09	2		.	.	.
6103	35 22.87	80 18.94	617.0	240.87		1751.75	1777.91	31.88	10.86	11.80	2		.	.	.
6104	35 22.85	80 18.29	658.0	239.08		1749.88	1777.88	33.90	11.48	12.49	2		.	.	.
6105	35 23.39	80 17.05	666.0	240.95		1751.83	1778.64	35.83	13.14	14.16	2		.	.	.
6106	35 23.75	80 16.35	621.0	244.58		1755.61	1779.16	34.87	13.71	14.66	2		.	.	.
6107	35 22.96	80 16.10	522.0	248.75		1759.95	1778.03	31.02	13.23	14.03	2		.	.	.
6108	35 22.52	80 29.30	757.0	233.72		1744.30	1777.41	38.10	12.31	13.46	3		.	.	.
6109	35 22.10	80 28.70	744.0	236.00		1746.68	1776.81	39.85	14.50	15.64	3		.	.	.
6110	35 22.52	80 27.50	619.0	238.77		1749.56	1777.41	30.38	9.29	10.23	2		.	.	.
6111	35 22.20	80 26.78	615.0	238.04		1748.80	1776.96	29.69	8.74	9.68	2		.	.	.
6112	35 22.18	80 25.36	560.0	242.82		1753.78	1776.93	29.53	10.45	11.31	2		.	.	.
6113	35 22.35	80 24.20	609.0	238.67		1749.46	1777.17	29.58	8.83	9.76	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
6114	35	22.05	80 23.40	652.0	235.45	1746.10	1776.74	30.69	8.47	9.47	2		.	.	.
6115	35	21.96	80 22.40	698.0	232.94	1743.49	1776.62	32.53	8.75	9.82	3		.	.	.
6116	35	21.93	80 21.10	537.0	242.21	1753.14	1776.57	27.08	8.78	9.61	2		.	.	.
6117	35	22.02	80 20.21	648.0	236.70	1747.40	1776.70	31.65	9.58	10.57	2		.	.	.
6118	35	22.80	80 20.00	664.0	237.15	1747.87	1777.81	32.52	9.90	10.92	2		.	.	.
6119	35	21.84	80 19.29	577.0	241.17	1752.06	1776.45	29.89	10.23	11.11	2		.	.	.
6120	35	22.17	80 18.43	665.0	237.76	1748.51	1776.91	34.15	11.49	12.51	2		.	.	.
6121	35	22.23	80 16.91	631.0	241.17	1752.06	1777.00	34.41	12.92	13.88	2		.	.	.
6122	35	21.95	80 15.95	579.0	244.25	1755.26	1776.60	33.12	13.39	14.28	2		.	.	.
6123	35	21.63	80 15.00	618.0	243.78	1754.77	1776.15	36.75	15.70	16.64	2		.	.	.
6124	35	21.32	80 29.62	682.0	238.38	1749.15	1775.71	37.59	14.36	15.40	3		.	.	.
6125	35	21.00	80 28.70	674.0	238.63	1749.41	1775.25	37.55	14.59	15.62	3		.	.	.
6126	35	20.95	80 27.85	630.0	237.84	1748.59	1775.18	32.67	11.20	12.17	2		.	.	.
6127	35	21.45	80 27.00	553.0	241.69	1752.60	1775.89	28.72	9.88	10.73	2		.	.	.
6128	35	20.77	80 26.07	581.0	238.17	1748.93	1774.93	28.65	8.86	9.75	2		.	.	.
6129	35	21.38	80 25.67	568.0	240.10	1750.94	1775.79	28.58	9.22	10.09	2		.	.	.
6130	35	21.12	80 24.43	646.0	234.12	1744.72	1775.42	30.06	8.05	9.04	2		.	.	.
6131	35	21.43	80 23.06	631.0	235.35	1746.00	1775.86	29.49	7.99	8.96	2		.	.	.
6132	35	21.40	80 21.93	505.0	242.30	1753.23	1775.82	24.91	7.71	8.48	2		.	.	.
6133	35	21.22	80 21.25	468.0	244.98	1756.02	1775.57	24.48	8.53	9.25	2		.	.	.
6134	35	21.20	80 20.33	620.0	237.16	1747.88	1775.54	30.66	9.54	10.49	2		.	.	.
6135	35	21.20	80 19.55	509.0	244.34	1755.36	1775.54	27.70	10.36	11.14	2		.	.	.
6136	35	21.55	80 18.60	690.0	235.08	1745.72	1776.04	34.59	11.08	12.14	3		.	.	.
6137	35	21.27	80 17.35	554.0	243.48	1754.46	1775.64	30.93	12.06	12.91	2		.	.	.
6138	35	21.36	80 15.60	646.0	240.66	1751.53	1775.77	36.53	14.52	15.51	2		.	.	.
6139	35	20.70	80 16.47	653.0	238.11	1748.87	1774.83	35.46	13.22	14.22	2		.	.	.
6141	35	20.15	80 27.68	533.0	240.88	1751.76	1774.05	27.85	9.69	10.50	2		.	.	.
6142	35	20.22	80 26.60	531.0	240.67	1751.54	1774.15	27.34	9.25	10.06	2		.	.	.
6143	35	19.70	80 25.78	620.0	232.92	1743.47	1773.41	28.38	7.25	8.20	2		.	.	.
6144	35	20.52	80 24.88	659.0	232.00	1742.51	1774.57	29.92	7.47	8.48	2		.	.	.
6145	35	20.17	80 24.20	634.0	232.92	1743.47	1774.08	29.03	7.43	8.40	2		.	.	.
6146	35	20.10	80 23.15	735.0	227.48	1737.81	1773.98	32.97	7.93	9.05	3		.	.	.
6147	35	20.48	80 22.32	571.0	237.73	1748.48	1774.52	27.67	8.22	9.09	2		.	.	.
6148	35	20.13	80 20.93	552.0	238.74	1749.53	1774.02	27.43	8.63	9.47	2		.	.	.
6149	35	20.08	80 20.20	453.0	244.89	1755.93	1773.95	24.59	9.16	9.85	2		.	.	.
6150	35	20.03	80 19.25	592.0	237.72	1748.47	1773.88	30.28	10.11	11.01	2		.	.	.
6151	35	20.58	80 18.78	627.0	237.05	1747.77	1774.66	32.09	10.73	11.69	2		.	.	.
6152	35	19.93	80 18.28	606.0	237.88	1748.63	1773.74	31.90	11.25	12.18	2		.	.	.
6153	35	20.50	80 17.68	587.0	239.99	1750.83	1774.55	31.50	11.50	12.40	2		.	.	.
6154	35	19.78	80 16.90	475.0	246.07	1757.16	1773.53	28.32	12.13	12.86	2		.	.	.
6155	35	20.53	80 15.70	556.0	244.67	1755.70	1774.59	33.41	14.47	15.32	2		.	.	.
6156	35	19.75	80 15.79	573.0	242.26	1753.19	1773.48	33.61	14.08	14.96	2		.	.	.
6157	35	19.30	80 29.65	522.0	243.00	1753.96	1772.84	30.22	12.43	13.23	2		.	.	.
6159	35	19.04	80 28.64	499.0	240.89	1751.77	1772.48	26.23	9.23	10.00	2		.	.	.
6160	35	18.80	80 27.67	505.0	238.90	1749.69	1772.14	25.06	7.85	8.62	2		.	.	.
6161	35	19.20	80 26.85	601.0	234.01	1744.60	1772.70	28.43	7.95	8.87	2		.	.	.
6162	35	19.34	80 25.30	646.0	230.66	1741.12	1772.90	28.98	6.98	7.96	2		.	.	.
6163	35	18.80	80 25.32	652.0	229.76	1740.18	1772.14	29.37	7.16	8.16	2		.	.	.
6164	35	18.78	80 24.64	685.0	227.90	1738.24	1772.11	30.57	7.23	8.28	3		.	.	.
6165	35	19.25	80 23.15	585.0	234.72	1745.34	1772.77	27.59	7.66	8.56	2		.	.	.
6166	35	18.72	80 22.47	703.0	227.30	1737.62	1772.02	31.72	7.77	8.85	3		.	.	.
6167	35	19.20	80 21.75	702.0	228.51	1738.88	1772.70	32.21	8.29	9.37	3		.	.	.
6168	35	19.70	80 20.84	572.0	236.88	1747.59	1773.41	27.98	8.50	9.37	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
6169	35	18.61	80 21.00	696.0	228.18	1738.54	1771.87	32.14	8.43	9.50	3		.	.	.
6170	35	19.30	80 19.75	417.0	246.58	1757.69	1772.84	24.07	9.86	10.50	2		.	.	.
6171	35	19.28	80 19.00	495.0	241.54	1752.44	1772.82	26.19	9.32	10.08	2		.	.	.
6172	35	19.25	80 18.25	590.0	237.74	1748.49	1772.77	31.21	11.11	12.02	2		.	.	.
6173	35	19.20	80 16.85	505.0	243.57	1754.56	1772.70	29.36	12.16	12.93	2		.	.	.
6174	35	18.82	80 15.54	533.0	243.06	1754.03	1772.16	32.00	13.84	14.66	2		.	.	.
6175	35	18.40	80 29.15	555.0	236.16	1746.84	1771.57	27.48	8.57	9.42	2		.	.	.
6177	35	17.90	80 27.73	579.0	232.45	1742.98	1770.86	26.58	6.86	7.74	2		.	.	.
6178	35	18.13	80 26.41	609.0	230.90	1741.37	1771.19	27.47	6.72	7.65	2		.	.	.
6179	35	18.23	80 24.86	675.0	227.67	1738.00	1771.33	30.16	7.17	8.20	3		.	.	.
6180	35	17.90	80 23.78	662.0	228.38	1738.74	1770.86	30.15	7.60	8.61	2		.	.	.
6181	35	18.36	80 23.24	666.0	229.01	1739.40	1771.51	30.53	7.84	8.86	2		.	.	.
6182	35	17.67	80 22.70	675.0	227.56	1737.89	1770.53	30.85	7.85	8.89	3		.	.	.
6183	35	18.08	80 21.35	639.0	231.18	1741.66	1771.12	30.65	8.88	9.86	2		.	.	.
6184	35	17.93	80 19.73	571.0	236.05	1746.73	1770.90	29.54	10.08	10.96	2		.	.	.
6185	35	18.41	80 19.20	398.0	246.53	1757.64	1771.58	23.49	9.93	10.54	1		.	.	.
6186	35	18.48	80 17.89	477.0	243.30	1754.28	1771.68	27.47	11.22	11.95	2		.	.	.
6187	35	17.96	80 17.00	503.0	241.96	1752.88	1770.95	29.25	12.11	12.88	2		.	.	.
6188	35	18.18	80 15.57	507.0	243.30	1754.28	1771.26	30.71	13.44	14.22	2		.	.	.
6189	35	17.55	80 15.10	470.0	244.43	1755.45	1770.37	29.30	13.28	14.00	2		.	.	.
6190	35	17.20	80 29.47	486.0	237.25	1747.98	1769.87	23.83	7.27	8.01	2		.	.	.
6191	35	17.10	80 28.10	552.0	233.78	1744.36	1769.73	26.56	7.75	8.60	2		.	.	.
6192	35	17.10	80 27.77	573.0	232.24	1742.76	1769.73	26.93	7.41	8.29	2		.	.	.
6193	35	17.52	80 26.74	592.0	230.94	1741.41	1770.32	26.77	6.60	7.51	2		.	.	.
6194	35	17.15	80 25.62	684.0	225.75	1736.01	1769.80	30.55	7.25	8.30	3		.	.	.
6195	35	17.00	80 24.30	692.0	225.34	1735.58	1769.59	31.09	7.51	8.57	3		.	.	.
6196	35	17.25	80 23.00	677.0	226.80	1737.10	1769.94	30.84	7.78	8.81	3		.	.	.
6197	35	17.12	80 22.18	638.0	229.81	1740.23	1769.76	30.49	8.75	9.73	2		.	.	.
6198	35	17.10	80 20.90	553.0	235.80	1746.47	1769.73	28.76	9.92	10.77	2		.	.	.
6199	35	17.63	80 20.55	602.0	233.50	1744.07	1770.48	30.22	9.71	10.63	2		.	.	.
6200	35	17.05	80 20.12	596.0	233.62	1744.20	1769.66	30.61	10.30	11.21	2		.	.	.
6201	35	17.12	80 19.30	507.0	239.07	1749.87	1769.76	27.80	10.53	11.31	2		.	.	.
6202	35	16.75	80 18.27	382.0	246.22	1757.32	1769.23	24.02	11.01	11.59	1		.	.	.
6203	35	17.32	80 17.57	504.0	240.53	1751.39	1770.04	28.76	11.59	12.36	2		.	.	.
6204	35	17.87	80 18.27	469.0	242.83	1753.79	1770.82	27.09	11.11	11.83	2		.	.	.
6205	35	16.89	80 16.75	488.0	241.35	1752.25	1769.43	28.72	12.10	12.85	2		.	.	.
6206	35	16.70	80 15.50	449.0	243.80	1754.80	1769.16	27.87	12.58	13.27	2		.	.	.
6207	35	16.22	80 29.95	526.0	233.79	1744.38	1768.48	25.38	7.46	8.26	2		.	.	.
6208	35	16.30	80 28.88	550.0	231.91	1742.42	1768.59	25.56	6.82	7.67	2		.	.	.
6209	35	16.28	80 27.80	540.0	232.48	1743.01	1768.57	25.24	6.84	7.67	2		.	.	.
6210	35	16.40	80 26.60	605.0	228.91	1739.30	1768.74	27.47	6.86	7.79	2		.	.	.
6211	35	16.10	80 25.50	732.0	221.86	1731.96	1768.31	32.50	7.57	8.69	3		.	.	.
6212	35	15.63	80 24.10	561.0	231.79	1742.29	1767.65	27.41	8.30	9.16	2		.	.	.
6213	35	15.85	80 23.43	654.0	227.04	1737.35	1767.96	30.91	8.63	9.63	2		.	.	.
6214	35	16.14	80 22.25	691.0	225.77	1736.03	1768.37	32.66	9.12	10.18	3		.	.	.
6215	35	16.15	80 21.30	647.0	228.53	1738.90	1768.38	31.38	9.33	10.33	2		.	.	.
6216	35	16.17	80 20.10	506.0	237.23	1747.96	1768.41	27.15	9.91	10.68	2		.	.	.
6217	35	16.40	80 18.95	474.0	240.29	1751.14	1768.74	26.99	10.84	11.57	2		.	.	.
6218	35	15.90	80 17.82	332.0	247.82	1758.98	1768.03	22.18	10.87	11.38	1		.	.	.
6219	35	15.83	80 16.40	416.0	243.60	1754.59	1767.93	25.79	11.62	12.26	2		.	.	.
6220	35	16.14	80 15.85	393.0	245.54	1756.61	1768.37	25.21	11.82	12.42	1		.	.	.
6221	35	15.20	80 29.43	534.0	231.67	1742.17	1767.04	25.36	7.17	7.99	2		.	.	.
6222	35	15.26	80 28.37	506.0	232.93	1743.48	1767.12	23.96	6.72	7.49	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
6223	35 15.22	80 27.65	549.0	230.84		1741.30	1767.06	25.88	7.17	8.01	2		.	.	.
6224	35 15.25	80 26.30	696.0	222.72		1732.85	1767.11	31.21	7.50	8.57	3		.	.	.
6225	35 15.46	80 25.48	726.0	222.05		1732.15	1767.40	33.04	8.30	9.41	3		.	.	.
6226	35 15.15	80 24.45	605.0	228.55		1738.92	1766.96	28.86	8.25	9.18	2		.	.	.
6227	35 15.20	80 23.12	635.0	227.81		1738.15	1767.04	30.84	9.21	10.18	2		.	.	.
6228	35 15.36	80 22.40	660.0	226.37		1736.65	1767.26	31.47	8.98	9.99	2		.	.	.
6229	35 15.10	80 21.05	598.0	230.69		1741.15	1766.89	30.51	10.13	11.05	2		.	.	.
6230	35 15.48	80 19.83	525.0	235.61		1746.27	1767.43	28.22	10.34	11.14	2		.	.	.
6231	35 15.18	80 19.04	432.0	241.07		1751.95	1767.01	25.58	10.86	11.52	2		.	.	.
6232	35 15.15	80 17.84	428.0	241.51		1752.41	1766.96	25.71	11.12	11.78	2		.	.	.
6233	35 15.54	80 17.00	392.0	244.38		1755.40	1767.52	24.76	11.40	12.00	1		.	.	.
6234	35 15.40	80 15.37	402.0	244.34		1755.36	1767.32	25.86	12.16	12.78	2		.	.	.
6235	35 24.90	80 16.16	592.0	247.77		1758.93	1780.79	33.83	13.66	14.57	2		.	.	.
6236	35 20.17	80 21.70	564.0	237.54		1748.28	1774.08	27.25	8.04	8.90	2		.	.	.
7001	35 29.40	80 14.24	569.0	257.71		1769.28	1787.18	35.63	16.24	17.11	2		.	.	.
7002	35 29.40	80 13.00	641.0	256.35		1767.86	1787.18	40.98	19.14	20.12	2		.	.	.
7003	35 29.92	80 12.19	623.0	259.63		1771.27	1787.91	41.96	20.73	21.69	2		.	.	.
7005	35 29.28	80 10.54	544.0	261.33		1773.04	1787.00	37.21	18.67	19.51	2		.	.	.
7006	35 29.55	80 08.59	519.0	263.54		1775.35	1787.39	36.78	19.10	19.89	2		.	.	.
7007	35 29.54	80 07.95	634.0	257.20		1768.75	1787.37	41.01	19.41	20.38	2		.	.	.
7008	35 29.40	80 07.38	592.0	257.66		1769.22	1787.18	37.73	17.56	18.47	2		.	.	.
7009	35 29.63	80 05.88	545.0	261.34		1773.05	1787.50	36.81	18.24	19.08	2		.	.	.
7010	35 29.27	80 05.02	569.0	258.42		1770.02	1786.99	36.55	17.17	18.04	2		.	.	.
7011	35 29.35	80 04.05	527.0	262.29		1774.04	1787.10	36.51	18.55	19.36	2		.	.	.
7012	35 29.65	80 02.97	579.0	259.73		1771.38	1787.53	38.31	18.59	19.47	2		.	.	.
7013	35 29.80	80 01.56	457.0	265.19		1777.06	1787.74	32.30	16.73	17.43	2		.	.	.
7014	35 29.33	80 01.32	517.0	259.78		1771.43	1787.08	32.99	15.37	16.16	2		.	.	.
7015	35 29.68	80 00.23	462.0	262.43		1774.19	1787.57	30.07	14.33	15.04	2		.	.	.
7016	35 28.74	80 14.87	632.0	252.30		1763.64	1786.24	36.85	15.32	16.29	2		.	.	.
7017	35 28.88	80 13.49	631.0	255.65		1767.13	1786.44	40.05	18.55	19.52	2		.	.	.
7018	35 28.53	80 12.78	687.0	253.43		1764.82	1785.94	43.50	20.10	21.15	3		.	.	.
7019	35 28.73	80 11.95	672.0	254.90		1766.35	1786.22	43.34	20.44	21.47	3		.	.	.
7020	35 28.02	80 11.08	770.0	248.70		1759.90	1785.22	47.11	20.88	22.06	3		.	.	.
7021	35 28.29	80 09.90	508.0	262.28		1774.03	1785.60	36.22	18.91	19.69	2		.	.	.
7022	35 28.76	80 09.58	509.0	262.88		1774.66	1786.27	36.27	18.93	19.71	2		.	.	.
7023	35 28.35	80 08.72	526.0	259.28		1770.91	1785.68	34.70	16.78	17.59	2		.	.	.
7024	35 28.54	80 07.70	508.0	259.68		1771.33	1785.95	33.16	15.85	16.63	2		.	.	.
7025	35 28.10	80 07.05	508.0	258.51		1770.11	1785.33	32.57	15.26	16.04	2		.	.	.
7026	35 28.76	80 06.38	529.0	259.05		1770.67	1786.27	34.16	16.14	16.95	2		.	.	.
7027	35 28.30	80 05.00	550.0	256.73		1768.26	1785.61	34.38	15.64	16.49	2		.	.	.
7028	35 28.73	80 03.70	525.0	260.51		1772.19	1786.22	35.35	17.46	18.27	2		.	.	.
7029	35 28.68	80 02.80	538.0	257.42		1768.97	1786.15	33.42	15.09	15.92	2		.	.	.
7030	35 28.05	80 01.75	517.0	256.91		1768.44	1785.26	31.81	14.20	14.99	2		.	.	.
7032	35 27.70	80 14.90	648.0	250.55		1761.82	1784.76	38.01	15.94	16.93	2		.	.	.
7033	35 27.64	80 13.84	646.0	252.57		1763.93	1784.68	40.02	18.01	19.00	2		.	.	.
7034	35 27.00	80 12.35	723.0	248.51		1759.70	1783.77	43.94	19.31	20.42	3		.	.	.
7035	35 27.15	80 11.45	712.0	249.44		1760.67	1783.98	43.66	19.40	20.50	3		.	.	.
7036	35 27.35	80 09.90	640.0	254.48		1765.91	1784.26	41.85	20.04	21.02	2		.	.	.
7037	35 27.00	80 09.45	683.0	249.99		1761.24	1783.77	41.72	18.45	19.49	3		.	.	.
7038	35 27.90	80 09.00	640.0	252.30		1763.64	1785.05	38.79	16.99	17.97	2		.	.	.
7039	35 27.46	80 07.94	558.0	255.90		1767.39	1784.42	35.46	16.45	17.30	2		.	.	.
7040	35 27.42	80 07.32	508.0	258.26		1769.85	1784.36	33.27	15.96	16.74	2		.	.	.
7041	35 27.25	80 06.27	508.0	257.96		1769.54	1784.12	33.20	15.90	16.67	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
7042	35 27.05	80 04.99	508.0	258.32		1769.91	1783.84	33.86	16.55	17.33	2		.	.	.
7043	35 27.88	80 04.22	537.0	255.46		1766.93	1785.02	32.43	14.13	14.95	2		.	.	.
7044	35 27.39	80 02.58	505.0	256.72		1768.25	1784.32	31.43	14.23	15.00	2		.	.	.
7045	35 27.08	80 02.03	466.0	257.65		1769.21	1783.88	29.16	13.29	14.00	2		.	.	.
7046	35 27.30	80 01.34	494.0	255.33		1766.80	1784.19	29.07	12.24	13.00	2		.	.	.
7047	35 26.49	80 14.44	596.0	253.35		1764.74	1783.04	37.76	17.45	18.37	2		.	.	.
7048	35 26.65	80 13.45	694.0	248.67		1759.87	1783.27	41.88	18.24	19.30	3		.	.	.
7049	35 26.10	80 12.10	636.0	251.27		1762.57	1782.49	39.90	18.24	19.21	2		.	.	.
7050	35 26.32	80 11.05	689.0	249.65		1760.89	1782.80	42.90	19.42	20.48	3		.	.	.
7051	35 26.90	80 10.80	706.0	250.88		1762.17	1783.63	44.95	20.90	21.98	3		.	.	.
7052	35 26.16	80 10.40	672.0	250.74		1762.02	1782.58	42.66	19.76	20.79	3		.	.	.
7053	35 26.55	80 09.50	647.0	251.68		1763.00	1783.13	40.73	18.69	19.68	2		.	.	.
7054	35 26.20	80 08.63	726.0	246.35		1757.45	1782.63	43.11	18.37	19.49	3		.	.	.
7055	35 26.50	80 07.50	519.0	257.42		1768.97	1783.06	34.73	17.05	17.84	2		.	.	.
7056	35 26.05	80 06.35	508.0	257.88		1769.45	1782.42	34.82	17.51	18.29	2		.	.	.
7057	35 26.25	80 05.13	508.0	257.33		1768.88	1782.70	33.96	16.65	17.43	2		.	.	.
7058	35 26.20	80 03.91	590.0	250.18		1761.44	1782.63	34.31	14.20	15.11	2		.	.	.
7059	35 26.80	80 03.90	607.0	249.52		1760.75	1783.48	34.36	13.68	14.61	2		.	.	.
7060	35 26.45	80 02.46	476.0	255.72		1767.20	1782.99	28.99	12.77	13.50	2		.	.	.
7061	35 26.15	80 01.18	437.0	254.88		1766.33	1782.56	24.88	9.99	10.66	2		.	.	.
7062	35 26.55	80 00.30	448.0	253.77		1765.17	1783.13	24.18	8.92	9.61	2		.	.	.
7063	35 25.17	80 14.30	526.0	254.70		1766.14	1781.17	34.45	16.53	17.33	2		.	.	.
7064	35 25.52	80 13.72	560.0	254.88		1766.33	1781.67	37.34	18.26	19.12	2		.	.	.
7065	35 25.63	80 12.80	637.0	250.25		1761.51	1781.82	39.61	17.90	18.88	2		.	.	.
7066	35 25.18	80 11.75	628.0	250.94		1762.23	1781.18	40.12	18.72	19.68	2		.	.	.
7067	35 25.50	80 10.95	613.0	253.08		1764.46	1781.64	40.48	19.60	20.54	2		.	.	.
7068	35 24.89	80 10.25	642.0	250.03		1761.28	1780.77	40.90	19.02	20.01	2		.	.	.
7069	35 25.12	80 09.24	588.0	253.48		1764.87	1781.10	39.08	19.05	19.95	2		.	.	.
7070	35 25.45	80 07.80	600.0	252.84		1764.21	1781.57	39.08	18.64	19.56	2		.	.	.
7071	35 25.75	80 06.95	587.0	253.38		1764.77	1781.99	37.99	17.99	18.89	2		.	.	.
7072	35 25.47	80 06.02	508.0	257.42		1768.97	1781.60	35.16	17.85	18.63	2		.	.	.
7073	35 25.07	80 05.60	391.0	263.05		1774.84	1781.03	30.59	17.27	17.87	1		.	.	.
7074	35 25.27	80 04.12	669.0	242.61		1753.56	1781.31	35.18	12.38	13.41	3		.	.	.
7075	35 25.68	80 02.61	433.0	256.72		1768.25	1781.89	27.09	12.33	13.00	2		.	.	.
7076	35 25.84	80 01.76	401.0	257.19		1768.73	1782.12	24.33	10.67	11.28	2		.	.	.
7077	35 25.45	80 00.63	355.0	256.55		1768.07	1781.57	19.90	7.80	8.34	1		.	.	.
7078	35 24.06	80 14.50	587.0	249.58		1760.81	1779.60	36.43	16.43	17.33	2		.	.	.
7079	35 24.32	80 13.68	517.0	255.20		1766.66	1779.96	35.33	17.71	18.51	2		.	.	.
7080	35 24.31	80 12.06	627.0	250.04		1761.29	1779.95	40.32	18.96	19.92	2		.	.	.
7081	35 24.30	80 10.89	593.0	252.66		1764.02	1779.94	39.86	19.66	20.57	2		.	.	.
7082	35 24.22	80 09.70	582.0	253.22		1764.60	1779.82	39.52	19.70	20.59	2		.	.	.
7083	35 24.00	80 08.62	619.0	251.43		1762.74	1779.51	41.46	20.37	21.31	2		.	.	.
7084	35 24.70	80 08.55	590.0	253.44		1764.83	1780.50	39.83	19.72	20.63	2		.	.	.
7085	35 24.37	80 06.99	515.0	257.60		1769.16	1780.04	37.57	20.02	20.81	2		.	.	.
7086	35 24.48	80 06.14	612.0	251.45		1762.76	1780.19	40.14	19.29	20.22	2		.	.	.
7089	35 24.30	80 03.17	377.0	256.56		1768.08	1779.94	23.61	10.76	11.34	1		.	.	.
7090	35 24.82	80 01.39	361.0	256.24		1767.75	1780.67	21.03	8.73	9.29	1		.	.	.
7091	35 24.80	80 00.20	464.0	247.56		1758.71	1780.64	21.71	5.90	6.61	2		.	.	.
7092	35 23.35	80 14.48	566.0	250.13		1761.39	1778.59	36.04	16.76	17.63	2		.	.	.
7093	35 23.36	80 13.32	547.0	252.22		1763.56	1778.60	36.41	17.77	18.61	2		.	.	.
7094	35 23.25	80 12.76	494.0	255.50		1766.98	1778.45	35.00	18.17	18.93	2		.	.	.
7095	35 23.11	80 11.60	517.0	255.04		1766.50	1778.25	36.88	19.27	20.06	2		.	.	.
7096	35 23.44	80 10.40	549.0	254.39		1765.82	1778.72	38.75	20.04	20.88	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
7097	35 23.24	80 09.70	553.0	253.76		1765.16	1778.43	38.75	19.91	20.75	2		.	.	.
7098	35 22.73	80 08.50	593.0	250.51		1761.78	1777.71	39.85	19.65	20.56	2		.	.	.
7099	35 23.33	80 07.84	491.0	257.30		1768.85	1778.56	36.48	19.75	20.50	2		.	.	.
7100	35 23.04	80 06.61	453.0	258.67		1770.28	1778.15	34.74	19.31	20.00	2		.	.	.
7101	35 23.61	80 05.90	582.0	250.23		1761.49	1778.96	37.28	17.45	18.34	2		.	.	.
7102	35 22.95	80 05.50	428.0	255.79		1767.28	1778.02	29.52	14.94	15.59	2		.	.	.
7103	35 23.60	80 04.60	359.0	257.69		1769.26	1778.94	24.09	11.86	12.41	1		.	.	.
7104	35 22.80	80 03.75	280.0	259.27		1770.90	1777.81	19.43	9.89	10.32	1		.	.	.
7106	35 22.78	80 02.47	417.0	250.40		1761.67	1777.78	23.12	8.91	9.55	2		.	.	.
7107	35 22.95	80 01.47	416.0	247.82		1758.98	1778.02	20.09	5.92	6.55	2		.	.	.
7108	35 23.67	80 00.92	323.0	252.73		1764.09	1779.04	15.43	4.43	4.92	1		.	.	.
7109	35 22.72	80 14.65	487.0	252.97		1764.34	1777.69	32.46	15.86	16.61	2		.	.	.
7110	35 21.95	80 13.78	570.0	249.85		1761.09	1776.60	38.10	18.68	19.56	2		.	.	.
7111	35 22.70	80 13.03	517.0	253.49		1764.88	1777.67	35.85	18.23	19.02	2		.	.	.
7112	35 22.10	80 11.86	450.0	257.31		1768.86	1776.81	34.37	19.04	19.73	2		.	.	.
7113	35 22.13	80 10.70	586.0	249.50		1760.73	1776.86	38.99	19.03	19.93	2		.	.	.
7114	35 22.07	80 09.38	537.0	251.95		1763.28	1776.77	37.02	18.73	19.55	2		.	.	.
7115	35 22.27	80 08.20	530.0	253.06		1764.44	1777.06	37.24	19.18	19.99	2		.	.	.
7116	35 22.38	80 07.05	458.0	257.09		1768.63	1777.21	34.50	18.90	19.60	2		.	.	.
7117	35 22.30	80 05.75	490.0	252.04		1763.37	1777.10	32.36	15.67	16.42	2		.	.	.
7118	35 22.46	80 04.48	418.0	252.29		1763.63	1777.33	25.62	11.38	12.02	2		.	.	.
7119	35 22.10	80 04.20	374.0	253.87		1765.28	1776.81	23.65	10.90	11.48	1		.	.	.
7120	35 21.73	80 02.87	391.0	249.76		1761.00	1776.29	21.49	8.17	8.77	1		.	.	.
7121	35 22.34	80 01.99	397.0	248.85		1760.05	1777.15	20.24	6.71	7.32	1		.	.	.
7122	35 22.60	80 00.55	591.0	236.19		1746.87	1777.52	24.94	4.80	5.71	2		.	.	.
7123	35 22.08	80 00.05	690.0	228.18		1738.54	1776.79	26.66	3.15	4.21	3		.	.	.
7124	35 21.04	80 14.45	587.0	247.20		1758.34	1775.31	38.24	18.25	19.14	2		.	.	.
7125	35 21.28	80 12.96	505.0	251.87		1763.20	1775.65	35.05	17.85	18.62	2		.	.	.
7126	35 20.90	80 11.90	505.0	251.53		1762.84	1775.11	35.23	18.03	18.80	2		.	.	.
7127	35 21.35	80 11.20	586.0	247.97		1759.14	1775.75	38.51	18.55	19.44	2		.	.	.
7128	35 21.60	80 10.45	554.0	250.22		1761.48	1776.11	37.49	18.61	19.46	2		.	.	.
7129	35 21.48	80 09.20	542.0	250.76		1762.04	1775.94	37.09	18.62	19.45	2		.	.	.
7130	35 21.20	80 08.00	530.0	250.59		1761.86	1775.54	36.18	18.12	18.93	2		.	.	.
7131	35 21.52	80 07.00	417.0	258.23		1769.82	1775.99	33.05	18.85	19.48	2		.	.	.
7132	35 20.95	80 07.23	437.0	255.46		1766.93	1775.18	32.85	17.96	18.63	2		.	.	.
7133	35 21.45	80 05.45	570.0	243.25		1754.22	1775.89	31.94	12.52	13.40	2		.	.	.
7134	35 21.10	80 04.25	278.0	257.44		1769.00	1775.40	19.75	10.28	10.71	1		.	.	.
7135	35 21.35	80 02.85	374.0	249.28		1760.50	1775.75	19.93	7.19	7.76	1		.	.	.
7136	35 20.80	80 03.18	393.0	247.52		1758.67	1774.97	20.67	7.28	7.88	1		.	.	.
7214	35 17.60	80 07.16	306.0	253.81		1765.22	1770.44	23.57	13.14	13.61	1		.	.	.
7215	35 19.80	80 04.33	281.0	255.75		1767.24	1773.55	20.12	10.55	10.98	1		.	.	.
7216	35 22.43	80 03.50	280.0	258.93		1770.55	1777.28	19.61	10.07	10.49	1		.	.	.
7217	35 20.36	80 03.25	318.0	250.25		1761.51	1774.35	17.08	6.24	6.73	1		.	.	.
7218	35 28.06	80 06.17	508.0	258.57		1770.17	1785.27	32.68	15.37	16.15	2		.	.	.
7137	35 21.63	80 00.38	538.0	236.28		1746.97	1776.15	21.43	3.10	3.92	2		.	.	.
7138	35 19.95	80 14.08	473.0	250.24		1761.50	1773.77	32.23	16.11	16.84	2		.	.	.
7139	35 20.30	80 12.84	449.0	253.29		1764.67	1774.26	32.64	17.35	18.03	2		.	.	.
7140	35 19.95	80 11.19	521.0	248.91		1760.12	1773.77	35.36	17.61	18.41	2		.	.	.
7141	35 20.45	80 10.55	552.0	247.88		1759.04	1774.48	36.49	17.68	18.53	2		.	.	.
7142	35 19.95	80 10.10	589.0	246.05		1757.14	1773.77	38.78	18.71	19.61	2		.	.	.
7143	35 20.55	80 09.75	599.0	246.43		1757.53	1774.62	39.26	18.85	19.77	2		.	.	.
7144	35 19.95	80 08.70	542.0	248.56		1759.75	1773.77	36.97	18.50	19.33	2		.	.	.
7145	35 20.00	80 07.80	502.0	250.63		1761.91	1773.84	35.29	18.19	18.96	2		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
7146	35	20.35	80 06.00	311.0	256.94	1768.47	1774.33	23.39	12.80	13.27	1		.	.	.
7147	35	20.22	80 05.21	363.0	253.36	1764.75	1774.15	24.75	12.38	12.94	1		.	.	.
7148	35	20.46	80 04.43	350.0	253.09	1764.47	1774.49	22.90	10.98	11.52	1		.	.	.
7150	35	19.75	80 00.60	558.0	232.84	1743.39	1773.48	22.40	3.38	4.24	2		.	.	.
7151	35	19.43	80 14.70	485.0	247.72	1758.88	1773.03	31.47	14.95	15.69	2		.	.	.
7152	35	18.95	80 13.85	467.0	248.53	1759.72	1772.35	31.30	15.39	16.10	2		.	.	.
7153	35	19.55	80 12.45	518.0	247.93	1759.10	1773.20	34.63	16.98	17.77	2		.	.	.
7154	35	18.64	80 12.52	510.0	246.38	1757.48	1771.91	33.54	16.17	16.95	2		.	.	.
7155	35	19.05	80 10.94	498.0	248.68	1759.88	1772.49	34.23	17.27	18.03	2		.	.	.
7156	35	19.05	80 10.29	575.0	245.89	1756.97	1772.49	38.57	18.98	19.86	2		.	.	.
7157	35	19.13	80 09.37	418.0	255.25	1766.72	1772.60	33.44	19.19	19.83	2		.	.	.
7158	35	19.30	80 08.62	542.0	247.99	1759.16	1772.84	37.30	18.83	19.66	2		.	.	.
7159	35	19.10	80 07.10	495.0	247.06	1758.19	1772.56	32.19	15.33	16.08	2		.	.	.
7160	35	18.85	80 06.15	439.0	247.63	1758.78	1772.21	27.87	12.91	13.58	2		.	.	.
7161	35	19.57	80 05.20	344.0	253.33	1764.72	1773.23	23.85	12.13	12.66	1		.	.	.
7162	35	18.70	80 03.55	355.0	247.00	1758.13	1771.99	19.53	7.43	7.98	1		.	.	.
7163	35	19.58	80 03.40	337.0	248.59	1759.78	1773.24	18.24	6.76	7.27	1		.	.	.
7164	35	18.18	80 14.60	453.0	247.20	1758.34	1771.26	29.69	14.26	14.95	2		.	.	.
7165	35	18.17	80 13.60	535.0	243.46	1754.44	1771.24	33.52	15.29	16.11	2		.	.	.
7166	35	17.87	80 12.90	491.0	245.56	1756.63	1770.82	32.00	15.27	16.02	2		.	.	.
7167	35	18.20	80 11.70	533.0	244.70	1755.73	1771.29	34.58	16.42	17.24	2		.	.	.
7168	35	18.15	80 09.92	530.0	246.04	1757.13	1771.22	35.77	17.71	18.52	2		.	.	.
7169	35	18.30	80 09.00	410.0	253.14	1764.52	1771.43	31.66	17.69	18.32	2		.	.	.
7170	35	18.45	80 07.70	640.0	237.41	1748.14	1771.64	36.70	14.90	15.88	2		.	.	.
7171	35	18.25	80 06.40	417.0	249.24	1760.46	1771.36	28.33	14.12	14.76	2		.	.	.
7172	35	17.38	80 05.85	281.0	252.84	1764.21	1770.12	20.52	10.95	11.38	1		.	.	.
7173	35	18.55	80 04.90	322.0	251.47	1762.78	1771.78	21.29	10.32	10.81	1		.	.	.
7174	35	17.60	80 04.22	332.0	248.93	1760.14	1770.44	20.93	9.62	10.13	1		.	.	.
7175	35	18.55	80 02.15	625.0	229.95	1740.38	1771.78	27.39	6.10	7.05	2		.	.	.
7176	35	18.53	80 00.47	563.0	234.31	1744.92	1771.75	26.13	6.94	7.81	2		.	.	.
7177	35	17.78	80 00.25	555.0	236.83	1747.54	1770.69	29.05	10.15	11.00	2		.	.	.
7178	35	16.91	80 14.36	461.0	244.41	1755.43	1769.46	29.34	13.63	14.34	2		.	.	.
7179	35	17.35	80 13.38	428.0	247.76	1758.92	1770.08	29.10	14.52	15.17	2		.	.	.
7180	35	17.18	80 11.86	497.0	244.27	1755.29	1769.84	32.20	15.27	16.03	2		.	.	.
7181	35	17.25	80 11.00	591.0	239.73	1750.56	1769.94	36.21	16.08	16.98	2		.	.	.
7182	35	17.25	80 10.10	440.0	248.54	1759.73	1769.94	31.18	16.19	16.86	2		.	.	.
7183	35	17.00	80 09.40	466.0	247.79	1758.95	1769.59	33.20	17.32	18.04	2		.	.	.
7184	35	17.00	80 08.20	417.0	249.87	1761.11	1769.59	30.75	16.54	17.18	2		.	.	.
7185	35	16.80	80 07.00	383.0	248.51	1759.70	1769.30	26.43	13.38	13.96	1		.	.	.
7186	35	17.05	80 04.58	358.0	247.55	1758.70	1769.66	22.72	10.52	11.07	1		.	.	.
7187	35	17.00	80 03.60	399.0	244.63	1755.66	1769.59	23.61	10.01	10.62	1		.	.	.
7188	35	17.16	80 02.95	532.0	235.79	1746.46	1769.81	26.69	8.56	9.38	2		.	.	.
7189	35	17.45	80 01.40	503.0	239.73	1750.56	1770.22	27.65	10.51	11.28	2		.	.	.
7190	35	16.02	80 14.74	443.0	243.85	1754.85	1768.20	28.32	13.23	13.91	2		.	.	.
7191	35	15.54	80 14.43	504.0	239.43	1750.25	1767.52	30.14	12.97	13.74	2		.	.	.
7192	35	16.45	80 13.50	500.0	241.60	1752.51	1768.81	30.74	13.70	14.47	2		.	.	.
7193	35	16.20	80 12.30	493.0	242.23	1753.16	1768.45	31.08	14.29	15.04	2		.	.	.
7195	35	15.75	80 10.52	495.0	242.48	1753.42	1767.81	32.17	15.30	16.06	2		.	.	.
7196	35	16.15	80 08.75	399.0	248.44	1759.63	1768.38	28.78	15.19	15.80	1		.	.	.
7197	35	16.25	80 07.06	334.0	250.07	1761.32	1768.52	24.22	12.84	13.35	1		.	.	.
7198	35	15.85	80 06.35	300.0	248.62	1759.81	1767.96	20.07	9.85	10.31	1		.	.	.
7199	35	16.14	80 05.10	339.0	246.28	1757.38	1768.37	20.90	9.35	9.87	1		.	.	.
7200	35	15.88	80 04.50	367.0	246.27	1757.37	1768.00	23.89	11.39	11.95	1		.	.	.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
7201	35 15.95	80 02.55	412.0	245.25		1756.31	1768.10	26.97	12.93	13.56	2		•	•	•
7203	35 16.41	80 00.36	421.0	246.16		1757.25	1768.75	28.10	13.76	14.40	2		•	•	•
7204	35 15.01	80 13.33	514.0	238.47		1749.25	1766.77	30.83	13.32	14.11	2		•	•	•
7205	35 15.65	80 13.25	524.0	239.15		1749.96	1767.67	31.58	13.72	14.53	2		•	•	•
7206	35 15.36	80 11.75	540.0	238.49		1749.27	1767.26	32.80	14.40	15.23	2		•	•	•
7207	35 15.35	80 09.60	448.0	244.31		1755.33	1767.25	30.22	14.96	15.65	2		•	•	•
7208	35 15.37	80 08.44	316.0	251.20		1762.50	1767.28	24.95	14.18	14.67	1		•	•	•
7209	35 15.40	80 07.40	288.0	251.86		1763.19	1767.32	22.96	13.15	13.59	1		•	•	•
7210	35 15.22	80 04.40	298.0	250.48		1761.75	1767.06	22.72	12.56	13.02	1		•	•	•
7211	35 15.25	80 03.25	455.0	242.70		1753.65	1767.11	29.34	13.84	14.54	2		•	•	•
7212	35 15.55	80 02.00	439.0	244.04		1755.05	1767.53	28.81	13.86	14.53	2		•	•	•
7213	35 15.52	80 00.05	344.0	251.93		1763.26	1767.49	28.13	16.41	16.94	1		•	•	•

PAMPHLET BINDERS

This is No. 1528

also carried in stock in the following sizes

	HIGH		WIDE	THICKNESS		HIGH		WIDE	THICKNESS		
1523	9	inches	7	inches	$\frac{1}{2}$ inch	1529	12	inches	10	inches	$\frac{1}{2}$ inch
1524	10	"	7	"	"	1530	12	"	9 $\frac{1}{8}$	"	"
1525	9	"	6	"	"	1932	13	"	10	"	"
1526	9 $\frac{1}{2}$	"	7 $\frac{1}{4}$	"	"	1933	14	"	11	"	"
1527	10 $\frac{1}{2}$	"	7 $\frac{3}{8}$	"	"	1934	16	"	12	"	"
1528	11	"	8	"	"						

Other sizes made to order.

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