

GRAVITY OBSERVATIONS AND BOUGUER ANOMALY VALUES
FOR EASTERN TENNESSEE

BY JOEL S. WATKINS AND ZVI YUVAL

ABBREVIATIONS OF HEADINGS USED IN ACCOMPANYING TABLES:

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
BAl	BOUGUER ANOMALY (ASSUMED DENSITY OF 2.67 G PER 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 OF 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.

ALL STATIONS IN THIS SURVEY WERE OCCUPIED BY J. S. WATKINS AND Z. YUVAL IN 1961. THE STATIONS WERE TIED TO WOOLLARD'S GRAVITY CONTROL NETWORK AT CHATTANOOGA AND KNOXVILLE AIRPORTS (SEE BEHRENDT AND WOOLLARD, 1961).

REFERENCE

BEHRENDT, J. C., AND WOOLLARD, G. P., AN EVALUATION OF THE GRAVITY CONTROL NETWORK IN NORTH AMERICA: GEOPHYSICS, V. 26, NO. 1, P. 57.

NOTE

GRAVITY DATA IN ACCOMPANYING TABLES WERE USED IN PREPARATION OF:

WATKINS, JOEL S., 1964, REGIONAL GEOLOGIC IMPLICATIONS OF THE GRAVITY AND
MAGNETIC FIELDS OF A PART OF EASTERN TENNESSEE AND SOUTHERN KENTUCKY:
U.S. GEOL. SURVEY PROF. PAPER 516-A.

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	RA1	RA2	CC	TC1	TC2	CBA1	CBA2
1	36 02.40	84 23.20	937.0	43.89	.	1732.46	1834.20	13.59-	45.51-	44.08-	.3	.	.	.	.
2	36 02.26	84 24.30	1020.0	43.05	.	1728.39	1834.00	9.65-	44.40-	42.84-	.4	.	.	.	.
3	36 01.77	84 25.10	1034.0	42.89	.	1727.61	1833.30	8.41-	43.64-	42.06-	.4	.	.	.	.
4	36 02.62	84 26.10	1148.0	42.25	.	1724.51	1834.52	2.00-	41.11-	38.36-	.4	.	.	.	.
5	36 03.50	84 26.60	1285.0	41.46	.	1720.68	1835.77	5.80	37.98-	36.01-	.5	.	.	.	.
6	36 04.29	84 27.70	1341.0	41.84	.	1722.52	1836.90	11.78	33.91-	31.86-	.5	.	.	.	.
7	36 04.22	84 29.10	1324.0	41.82	.	1722.42	1836.80	10.18	34.93-	32.90-	.5	.	.	.	.
8	36 04.48	84 30.60	1298.0	42.49	.	1725.67	1837.18	10.61	33.61-	31.62-	.5	.	.	.	.
9	36 04.73	84 31.00	1335.0	42.25	.	1724.51	1837.52	12.57	32.91-	30.86-	.5	.	.	.	.
10	36 05.42	84 32.60	1309.0	43.38	.	1729.99	1838.52	14.62	29.92-	27.97-	.5	.	.	.	.
11	36 05.81	84 33.20	1292.0	43.94	.	1732.70	1839.08	15.17	28.84-	26.97-	.5	.	.	.	.
12	36 06.21	84 35.10	1286.0	43.92	.	1732.61	1839.65	13.95	29.87-	27.90-	.5	.	.	.	.
E013	36 06.32	84 35.90	1390.0	42.48	.	1725.62	1839.31	16.58	30.77-	28.64-	.5	.	.	.	.
14	36 07.06	84 36.50	1082.0	46.64	.	1745.80	1840.07	6.73	30.13-	28.44-	.4	.	.	.	.
15	36 07.66	84 37.00	1030.0	47.62	.	1750.55	1841.72	5.73	29.36-	27.79-	.4	.	.	.	.
16	36 07.96	84 37.70	1026.0	47.73	.	1751.09	1842.15	5.46	29.49-	27.92-	.4	.	.	.	.
17	36 07.77	84 38.40	1107.0	46.67	.	1745.94	1841.38	8.20	29.51-	27.91-	.4	.	.	.	.
18	36 07.21	84 39.20	1189.0	45.23	.	1738.86	1841.09	9.74	30.77-	28.95-	.4	.	.	.	.
19	36 07.73	84 40.90	1405.0	42.23	.	1729.24	1841.83	19.62	23.25-	26.10-	.5	.	.	.	.
20	36 07.90	84 41.20	1304.0	45.05	.	1738.09	1842.07	18.70	25.72-	23.73-	.5	.	.	.	.
21	36 07.83	84 43.30	1272.0	45.76	.	1741.53	1841.97	19.23	24.10-	22.16-	.5	.	.	.	.
22	36 07.50	84 44.30	1394.0	44.73	.	1736.54	1842.07	25.62	21.97-	19.74-	.5	.	.	.	.
23	36 08.60	84 44.70	1402.0	45.28	.	1739.20	1843.07	29.03	19.73-	17.59-	.5	.	.	.	.
24	36 09.26	84 44.20	1460.0	45.23	.	1738.96	1844.02	32.30	17.44-	15.29-	.5	.	.	.	.
25	36 09.33	84 45.80	1577.0	44.34	.	1734.44	1844.22	35.17	15.55-	13.14-	.6	.	.	.	.
26	36 09.37	84 47.00	1531.0	44.51	.	1735.47	1844.17	35.23	16.53-	14.48-	.6	.	.	.	.
27	36 09.53	84 47.50	1466.0	45.49	.	1740.22	1844.40	33.74	16.21-	13.96-	.5	.	.	.	.
28	36 09.26	84 48.40	1530.0	44.83	.	1737.02	1844.02	36.95	15.18-	12.84-	.6	.	.	.	.
29	36 09.04	84 49.50	1667.0	43.24	.	1729.31	1843.70	42.44	14.35-	11.80-	.6	.	.	.	.
30	36 09.67	84 50.00	1631.0	43.67	.	1732.37	1843.17	42.64	12.92-	10.42-	.6	.	.	.	.
31	36 08.93	84 51.30	1635.0	43.99	.	1732.95	1843.34	43.25	12.47-	9.97-	.6	.	.	.	.
32	36 09.12	84 51.30	1675.0	43.57	.	1730.91	1843.31	44.68	12.39-	9.82-	.6	.	.	.	.
33	36 09.13	84 52.50	1349.0	44.12	.	1733.88	1843.33	44.89	11.29-	8.77-	.6	.	.	.	.
34	36 10.05	84 53.20	1726.0	43.10	.	1729.63	1845.15	45.87	12.94-	10.29-	.6	.	.	.	.
35	35 59.30	84 12.70	858.0	40.55	.	1717.72	1829.77	31.23-	60.56-	55.25-	.3	.	.	.	.
37	35 57.30	84 10.80	837.0	39.54	.	1711.37	1826.91	32.09-	62.31-	50.96-	.3	.	.	.	.
38	35 56.82	84 10.00	970.0	38.16	.	1704.67	1826.23	30.20-	62.34-	51.86-	.4	.	.	.	.
39	35 56.40	84 12.00	1041.0	37.24	.	1709.21	1825.63	27.43-	62.95-	61.29-	.4	.	.	.	.
40	35 56.02	84 13.00	966.0	37.96	.	1703.70	1825.09	30.50-	63.41-	61.04-	.4	.	.	.	.
41	35 54.81	84 12.50	930.0	37.99	.	1703.65	1823.26	32.01-	63.70-	52.27-	.3	.	.	.	.
42	35 53.26	84 15.00	882.0	38.04	.	1704.09	1821.15	34.08-	64.13-	62.79-	.3	.	.	.	.
43	35 52.83	84 14.20	852.0	38.01	.	1703.54	1820.53	36.44-	65.46-	64.16-	.3	.	.	.	.
44	35 52.35	84 14.00	1090.0	34.80	.	1688.38	1819.85	28.97-	66.05-	64.74-	.4	.	.	.	.
45	35 51.74	84 13.30	971.0	35.92	.	1693.51	1818.98	33.81-	66.90-	65.41-	.4	.	.	.	.
46	35 50.97	84 15.10	932.0	36.33	.	1695.00	1817.83	34.40-	66.15-	64.72-	.2	.	.	.	.
E047	35 50.33	84 17.00	1025.0	34.71	.	1687.94	1816.97	32.59-	67.51-	65.94-	.4	.	.	.	.
48	35 50.17	84 17.50	926.0	35.99	.	1694.15	1816.74	35.47-	67.02-	65.60-	.3	.	.	.	.
49	35 50.39	84 18.20	946.0	35.77	.	1693.08	1817.05	34.97-	67.20-	65.75-	.4	.	.	.	.
50	35 50.18	84 19.30	865.0	36.75	.	1697.83	1816.75	37.54-	67.01-	65.69-	.3	.	.	.	.

STA	LAT	LONG		MS/OS	TC	OG	PTH	FAA	SA1	SA2	CC	Y01	Y02	CSA1	CSA2
51	35	49.90	84 20.50	1098.0	33.91	1684.06	1816.35	28.99-	66.40-	64.72-	.4	.	.	.	.
52	35	50.14	84 21.80	1134.0	33.73	1683.19	1816.70	26.82-	65.45-	63.72-	.4	.	.	.	.
53	35	50.33	84 22.30	1185.0	32.98	1679.55	1816.97	25.95-	66.30-	64.49-	.4	.	.	.	.
54	35	50.27	84 22.70	1238.0	32.26	1676.06	1816.88	24.35-	66.53-	64.63-	.5	.	.	.	.
55	35	50.34	84 23.80	1156.0	32.78	1678.58	1816.98	29.64-	69.03-	67.26-	.4	.	.	.	.
56	35	50.36	84 24.40	1137.0	33.55	1682.80	1817.01	27.24-	65.97-	64.23-	.4	.	.	.	.
57	35	50.42	84 25.10	896.0	36.73	1697.74	1817.09	35.06-	65.58-	64.21-	.3	.	.	.	.
58	35	50.98	84 25.50	900.0	36.97	1698.90	1817.89	34.32-	64.98-	63.60-	.3	.	.	.	.
59	35	51.32	84 27.80	928.0	37.39	1700.94	1818.38	30.13-	61.75-	60.33-	.3	.	.	.	.
60	35	51.50	84 29.10	790.0	39.81	1712.67	1818.63	31.64-	53.56-	57.35-	.3	.	.	.	.
61	35	51.93	84 29.80	843.0	39.63	1711.80	1819.25	28.14-	56.86-	55.57-	.3	.	.	.	.
62	35	52.58	84 31.30	754.0	41.56	1721.16	1820.18	28.08-	53.77-	52.61-	.3	.	.	.	.
63	35	53.30	84 31.70	783.0	41.47	1720.73	1821.20	26.81-	53.49-	52.29-	.3	.	.	.	.
64	35	53.53	84 32.20	750.0	41.79	1722.28	1821.53	28.69-	54.24-	53.09-	.3	.	.	.	.
65	35	51.72	84 35.35	749.0	41.52	1720.97	1818.55	27.51-	53.03-	51.88-	.3	.	.	.	.
66	35	52.26	84 36.27	738.0	41.79	1722.28	1819.72	28.01-	52.15-	52.02-	.3	.	.	.	.
67	35	52.52	84 36.70	750.0	41.79	1722.28	1820.09	27.25-	52.80-	51.65-	.3	.	.	.	.
68	35	52.42	84 37.80	783.0	41.52	1720.97	1819.95	25.31-	51.90-	50.79-	.3	.	.	.	.
69	35	51.20	84 38.10	849.0	40.33	1715.20	1818.21	23.13-	52.06-	50.75-	.3	.	.	.	.
70	35	50.33	84 40.10	753.0	40.76	1717.28	1816.57	28.84-	54.50-	53.34-	.3	.	.	.	.
71	35	50.10	84 41.00	769.0	40.31	1715.10	1816.64	29.19-	55.39-	54.21-	.3	.	.	.	.
72	35	50.46	84 41.60	796.0	40.04	1713.79	1817.15	28.47-	55.59-	54.27-	.3	.	.	.	.
73	35	50.75	84 42.20	943.0	32.23	1705.01	1817.36	23.84-	55.96-	54.52-	.4	.	.	.	.
74	35	51.50	84 44.80	1349.0	32.67	1682.90	1818.63	8.32-	54.79-	52.71-	.5	.	.	.	.
75	35	51.97	84 45.70	1460.0	32.92	1679.26	1819.31	2.69-	52.43-	50.19-	.5	.	.	.	.
76	35	52.74	84 47.50	1435.0	34.73	1688.04	1820.40	2.64	46.25-	44.05-	.5	.	.	.	.
77	35	52.88	84 48.70	1648.0	33.02	1679.74	1820.60	14.18	41.96-	39.74-	.6	.	.	.	.
78	35	53.05	84 49.60	1540.0	34.88	1688.76	1820.85	12.80	39.67-	37.31-	.6	.	.	.	.
79	35	53.45	84 50.70	1711.0	34.10	1684.98	1821.42	24.54	38.76-	31.14-	.6	.	.	.	.
80	35	54.02	84 51.60	1739.0	34.91	1688.91	1822.23	30.29	28.96-	26.30-	.6	.	.	.	.
81	35	54.43	84 52.40	1670.0	36.81	1698.12	1822.82	32.42	24.48-	21.92-	.6	.	.	.	.
82	35	54.57	84 53.50	1776.0	36.13	1694.23	1823.02	36.90	21.60-	19.89-	.7	.	.	.	.
83	35	54.55	84 54.50	1694.0	37.79	1702.88	1822.99	39.27	18.45-	15.85-	.6	.	.	.	.
84	35	55.07	84 55.10	1629.0	38.88	1708.16	1823.73	37.69	17.81-	15.32-	.6	.	.	.	.
85	35	55.57	84 55.70	1737.0	37.75	1702.63	1824.34	41.66	17.52-	14.86-	.6	.	.	.	.
86	35	56.47	84 56.80	1813.0	36.82	1698.17	1825.73	43.01	18.76-	15.98-	.7	.	.	.	.
87	35	57.13	84 57.60	1811.0	36.92	1698.66	1826.67	42.37	19.32-	16.56-	.7	.	.	.	.
88	35	57.41	84 58.60	1846.0	36.37	1695.99	1827.37	42.59	20.30-	17.47-	.7	.	.	.	.
89	35	57.72	84 59.00	1870.0	35.92	1693.81	1827.31	42.23	21.48-	18.62-	.7	.	.	.	.
90	35	57.33	84 59.70	1883.0	35.54	1691.97	1826.96	42.17	21.89-	19.10-	.7	.	.	.	.
91	35	57.11	85 00.40	1843.0	35.78	1693.13	1826.64	38.88	22.91-	20.09-	.7	.	.	.	.
92	35	56.88	85 01.00	1838.0	35.68	1692.64	1826.31	39.25	23.37-	20.56-	.7	.	.	.	.
93	35	56.86	85 01.60	1863.0	35.38	1691.19	1826.29	40.18	23.29-	20.44-	.7	.	.	.	.
94	35	57.37	85 01.80	1860.0	35.59	1692.21	1827.01	40.19	23.18-	20.22-	.7	.	.	.	.
95	35	57.81	85 02.20	1812.0	36.53	1696.77	1827.44	39.60	22.13-	19.26-	.7	.	.	.	.
96	35	58.29	85 02.80	1760.0	37.42	1701.08	1828.33	38.33	21.63-	18.93-	.6	.	.	.	.
97	35	58.86	85 03.20	1770.0	37.62	1702.05	1829.14	39.43	20.87-	18.16-	.6	.	.	.	.
98	35	59.80	85 05.10	1848.0	37.29	1700.45	1830.49	43.83	19.13-	16.30-	.7	.	.	.	.
99	35	59.66	85 06.40	1888.0	36.73	1697.74	1830.29	45.06	19.24-	16.35-	.7	.	.	.	.
100	36	00.36	85 07.50	1857.0	37.57	1701.81	1831.29	45.23	18.03-	15.19-	.7	.	.	.	.
101	36	00.50	85 07.80	1910.0	37.01	1699.09	1831.49	47.30	17.77-	14.95-	.7	.	.	.	.

STA	LAT	LONG	E	NO/DO	TC	OC	PTH	FAA	BA1	BA2	CC	TC1	TC2	CBAL	CBAL
102	36	01.50	85	09.30	1928.0	36.93	1698.71	1832.91	47.14	18.50-	15.55-	.7	.	.	.
103	36	01.89	85	09.70	1978.0	36.43	1696.28	1833.47	48.90	18.49-	15.46-	.7	.	.	.
104	36	02.60	85	10.10	1959.0	36.73	1697.74	1834.48	47.56	19.18-	16.19-	.7	.	.	.
105	36	02.68	85	11.10	1986.0	36.16	1694.97	1834.60	47.21	20.45-	17.41-	.7	.	.	.
106	36	02.73	85	11.90	1972.0	35.96	1694.00	1834.67	44.65	22.33-	19.71-	.7	.	.	.
107	36	03.13	85	12.80	1980.0	35.75	1692.98	1835.25	44.01	23.44-	20.41-	.7	.	.	.
108	36	03.26	85	13.30	1983.0	35.95	1693.95	1836.42	44.08	23.48-	20.44-	.7	.	.	.
109	36	05.09	85	13.50	2018.0	35.80	1693.23	1838.05	45.04	23.72-	20.63-	.7	.	.	.
110	36	06.11	85	14.20	2022.0	35.83	1693.37	1839.51	44.09	24.79-	21.70-	.7	.	.	.
111	36	06.72	85	14.20	2005.0	36.18	1695.07	1840.38	43.32	24.99-	21.92-	.7	.	.	.
112	36	07.25	85	15.20	1891.0	37.31	1700.55	1841.34	37.32	27.11-	24.21-	.7	.	.	.
113	36	08.43	85	15.60	1860.0	37.73	1702.59	1842.83	34.73	28.62-	25.77-	.7	.	.	.
114	36	10.00	85	17.20	1410.0	43.23	1729.14	1845.07	16.74	31.30-	29.14-	.5	.	.	.
115	36	10.53	85	17.20	1365.0	43.43	1730.23	1845.88	12.77	35.73-	31.64-	.5	.	.	.
116	36	11.46	85	17.30	1387.0	43.01	1728.19	1847.16	11.51	38.74-	33.62-	.5	.	.	.
117	36	11.36	85	18.50	1371.0	43.34	1729.70	1847.02	11.75	34.96-	32.35-	.5	.	.	.
118	36	11.40	85	19.40	1372.0	43.21	1729.16	1847.08	11.16	35.58-	33.48-	.5	.	.	.
119	36	11.41	85	19.00	1413.0	42.61	1726.25	1847.09	12.09	36.05-	33.88-	.5	.	.	.
120	36	11.16	85	01.20	1801.0	41.18	1719.32	1846.74	42.02	19.34-	16.52-	.7	.	.	.
121	36	11.00	85	00.30	1819.0	41.03	1718.59	1846.51	43.12	13.82-	16.03-	.7	.	.	.
122	36	10.23	84	59.40	1810.0	41.16	1719.22	1846.41	43.10	13.57-	15.79-	.7	.	.	.
123	36	11.03	84	58.20	1757.0	42.09	1723.73	1846.35	42.43	17.33-	14.69-	.6	.	.	.
124	36	11.13	84	57.10	1731.0	42.55	1725.96	1846.69	42.12	16.95-	14.20-	.6	.	.	.
125	36	11.00	84	56.30	1716.0	42.95	1727.90	1846.51	42.36	15.13-	13.00-	.6	.	.	.
126	36	10.79	84	55.10	1720.0	43.09	1728.53	1846.21	44.14	14.46-	11.32-	.6	.	.	.
127	36	10.31	85	01.20	1803.0	40.56	1719.23	1845.80	42.54	15.05-	16.39-	.7	.	.	.
128	36	10.10	85	01.70	1402.0	43.29	1729.55	1845.22	35.14	19.47-	17.01-	.6	.	.	.
129	36	09.08	85	02.00	1813.0	40.40	1715.54	1843.76	42.35	19.42-	16.54-	.7	.	.	.
130	36	07.02	85	02.50	1860.0	39.29	1710.15	1840.81	44.33	19.04-	16.19-	.7	.	.	.
131	36	07.77	85	02.90	1846.0	39.57	1711.51	1841.83	43.30	18.59-	16.76-	.7	.	.	.
132	36	06.04	85	03.90	1820.0	39.44	1710.88	1839.41	42.70	19.31-	16.52-	.7	.	.	.
133	36	06.02	84	08.00	826.0	43.36	1729.39	1839.38	31.78-	59.92-	58.65-	.3	.	.	.
134	36	07.22	84	08.00	932.0	42.77	1727.03	1841.09	26.35-	55.13-	56.71-	.3	.	.	.
135	36	07.24	84	08.70	904.0	43.11	1728.68	1841.12	27.40-	58.19-	59.81-	.3	.	.	.
136	36	08.46	84	09.30	897.0	43.87	1732.37	1842.57	25.11-	56.67-	55.30-	.3	.	.	.
137	36	09.03	84	08.90	886.0	44.13	1733.63	1843.69	26.70-	56.89-	55.53-	.3	.	.	.
138	36	09.74	84	08.70	868.0	44.70	1736.39	1844.70	26.65-	56.22-	54.89-	.3	.	.	.
139	36	10.45	84	08.60	862.0	44.98	1737.75	1845.72	26.87-	56.24-	54.92-	.3	.	.	.
140	36	10.25	84	08.80	892.0	44.96	1737.65	1846.44	24.30-	54.90-	53.52-	.3	.	.	.
141	36	11.43	84	08.70	946.0	44.67	1736.25	1847.12	21.37-	54.10-	52.65-	.3	.	.	.
142	36	12.10	84	02.70	821.0	46.08	1743.02	1848.08	22.12-	52.13-	50.78-	.3	.	.	.
143	36	12.53	84	08.90	893.0	46.25	1743.91	1848.34	20.82-	51.34-	49.97-	.3	.	.	.
144	36	13.21	84	09.40	853.0	47.06	1747.84	1849.67	21.58-	50.54-	49.34-	.3	.	.	.
145	36	13.93	84	09.80	879.0	47.44	1749.68	1850.70	18.70-	48.51-	47.17-	.3	.	.	.
146	36	14.28	84	10.20	943.0	47.45	1749.73	1852.21	13.29-	45.59-	44.14-	.4	.	.	.
147	36	17.28	84	13.20	1112.0	47.12	1748.13	1855.50	2.76-	40.64-	38.94-	.4	.	.	.
148	36	16.30	84	11.80	1140.0	44.14	1743.37	1854.10	3.43-	42.32-	40.57-	.4	.	.	.
149	36	16.01	84	11.30	1035.0	47.31	1749.05	1853.68	7.25-	42.52-	40.94-	.4	.	.	.
150	36	14.47	84	09.60	962.0	46.77	1746.45	1851.88	13.83-	45.90-	45.41-	.4	.	.	.
151	36	19.25	84	14.60	1128.0	47.28	1748.90	1858.33	2.31-	41.74-	40.01-	.4	.	.	.
152	36	20.20	84	15.00	1232.0	45.23	1742.35	1859.59	1.43-	47.40-	41.31-	.5	.	.	.

STA	LAT	LONG	E	WG/OG	TC	OG	STM	FAA	BAL	DA2	CC	FC1	TC2	CSA1	CSA2
153	36	21.42	84	15.90	1338.0	45.40	• 1739.79	1861.44	4.23	41.36-	39.31-	.5	•	•	•
154	36	22.24	84	16.50	1395.0	45.44	• 1739.98	1862.62	8.60	38.92-	36.79-	.5	•	•	•
155	36	23.57	84	16.80	1440.0	45.72	• 1741.34	1864.53	12.23	36.77-	34.57-	.5	•	•	•
156	36	24.90	84	18.20	1525.0	45.70	• 1741.24	1866.46	18.28	33.68-	31.34-	.6	•	•	•
157	36	23.64	84	19.00	1758.0	42.66	• 1727.47	1864.63	23.24	31.66-	28.97-	.6	•	•	•
158	36	24.00	84	19.70	1508.0	46.10	• 1743.13	1865.14	19.91	31.47-	29.16-	.6	•	•	•
159	36	23.59	84	19.80	1483.0	46.40	• 1744.64	1864.56	19.61	30.92-	28.65-	.5	•	•	•
160	36	23.47	84	20.50	1445.0	47.46	• 1749.78	1864.38	21.34	27.89-	25.68-	.5	•	•	•
161	36	22.67	84	21.60	1458.0	47.81	• 1751.47	1863.23	25.40	24.27-	22.04-	.5	•	•	•
162	36	22.75	84	22.60	1423.0	49.03	• 1757.39	1863.35	27.92	20.56-	18.39-	.5	•	•	•
163	36	22.74	84	24.00	1485.0	49.22	• 1758.31	1863.34	34.68	15.91-	13.54-	.5	•	•	•
164	36	23.26	84	25.20	1232.0	53.73	• 1780.15	1864.08	32.01	9.96-	8.07-	.5	•	•	•
165	36	24.29	84	26.00	1513.0	51.51	• 1769.42	1865.56	46.20	5.36-	3.03-	.6	•	•	•
166	36	24.38	84	27.00	1194.0	55.83	• 1790.37	1865.69	37.01	3.67-	1.84-	.4	•	•	•
167	36	24.60	84	29.30	1332.0	54.94	• 1736.05	1866.13	45.23	.15-	1.89	.3	•	•	•
168	36	24.97	84	30.20	1331.0	55.11	• 1786.88	1866.54	45.56	.22	2.26	.5	•	•	•
169	36	24.45	84	32.20	1403.0	53.77	• 1780.38	1865.79	46.58	1.21-	.93	.5	•	•	•
170	36	24.37	84	31.30	1361.0	54.32	• 1783.05	1865.83	45.42	.95-	1.13	.5	•	•	•
171	36	22.92	84	31.70	1390.0	53.74	• 1780.25	1865.03	45.97	1.38-	.74	.5	•	•	•
172	36	23.40	84	31.90	1192.0	55.97	• 1791.05	1864.28	38.91	1.70-	.13	.4	•	•	•
173	36	22.95	84	32.90	1192.0	55.90	• 1790.71	1863.64	39.22	1.39-	.43	.4	•	•	•
174	36	22.91	84	35.20	1488.0	51.82	• 1770.92	1863.53	47.33	3.36-	1.09-	.5	•	•	•
175	36	21.77	84	34.60	1567.0	50.49	• 1764.47	1861.94	49.95	3.44-	1.04-	.6	•	•	•
176	36	20.49	84	36.30	1393.0	52.08	• 1772.13	1860.11	43.13	4.33-	2.20-	.5	•	•	•
177	36	20.04	84	37.00	1410.0	51.50	• 1769.37	1859.46	42.56	3.40-	3.22-	.5	•	•	•
178	36	12.40	84	06.60	841.0	46.27	• 1744.00	1848.51	25.39-	54.04-	52.75-	.3	•	•	•
179	36	12.10	84	06.00	841.0	45.95	• 1742.45	1848.08	26.51-	55.16-	53.87-	.3	•	•	•
180	36	12.14	84	05.30	975.0	44.01	• 1733.06	1848.14	23.27-	56.59-	55.10-	.4	•	•	•
181	36	11.96	84	05.10	1089.0	42.63	• 1726.25	1847.88	19.08-	56.18-	54.51-	.4	•	•	•
182	36	11.12	84	03.70	918.0	44.46	• 1735.23	1846.69	25.08-	56.36-	54.95-	.3	•	•	•
183	36	10.82	84	03.10	967.0	43.41	• 1730.13	1846.23	25.14-	58.09-	56.61-	.4	•	•	•
184	36	09.18	84	01.80	904.0	42.26	• 1724.36	1843.90	34.29-	65.09-	63.71-	.2	•	•	•
185	36	08.60	84	00.90	937.0	41.77	• 1722.18	1843.07	32.74-	64.66-	63.23-	.2	•	•	•
186	36	08.83	85	02.00	1782.0	37.27	• 1700.36	1829.10	38.91	21.80-	19.07-	.7	•	•	•
187	36	09.55	85	02.40	1801.0	37.47	• 1701.33	1830.13	40.64	20.72-	17.96-	.7	•	•	•
188	36	06.03	85	02.70	1768.0	38.24	• 1705.06	1830.81	40.58	19.65-	16.95-	.6	•	•	•
189	36	00.90	85	02.60	1818.0	38.04	• 1704.09	1822.76	43.07	18.87-	16.08-	.7	•	•	•
190	36	01.93	85	02.90	1834.0	38.37	• 1705.69	1833.53	44.70	17.78-	14.97-	.7	•	•	•
191	36	03.02	85	03.20	1857.0	37.60	• 1703.41	1835.09	45.85	18.44-	15.55-	.7	•	•	•
192	36	03.90	85	03.80	1939.0	37.56	• 1701.76	1836.33	47.84	18.22-	15.26-	.7	•	•	•
193	36	04.43	85	03.80	1857.0	38.34	• 1705.55	1837.10	45.98	19.31-	15.42-	.7	•	•	•
194	36	04.94	85	03.90	1855.0	38.90	• 1708.26	1837.83	44.95	18.25-	15.41-	.7	•	•	•
195	36	12.17	85	01.20	1804.0	41.47	• 1720.73	1848.18	42.27	19.19-	15.42-	.7	•	•	•
196	36	12.73	85	00.90	1811.0	41.48	• 1720.77	1848.98	42.17	19.53-	15.76-	.7	•	•	•
197	36	13.14	85	00.80	1796.0	41.74	• 1722.03	1849.57	41.43	19.76-	17.01-	.7	•	•	•
198	36	13.57	85	00.60	1789.0	41.78	• 1722.23	1850.19	40.35	20.60-	17.86-	.7	•	•	•
199	36	13.36	85	00.50	1794.0	41.84	• 1722.52	1850.75	40.55	20.57-	17.32-	.7	•	•	•
200	36	14.55	85	00.30	1752.0	42.32	• 1724.83	1851.59	39.03	21.00-	18.30-	.6	•	•	•
201	36	14.93	85	00.60	1787.0	42.13	• 1723.85	1852.14	39.92	20.97-	18.23-	.7	•	•	•
202	36	15.71	85	01.00	1766.0	42.42	• 1725.33	1853.25	38.22	21.94-	19.24-	.6	•	•	•
203	36	15.74	85	01.50	1786.0	41.96	• 1723.10	1853.30	37.83	23.02-	20.28-	.7	•	•	•

STA	LAT	LONG	E	NE/CG	TC	OG	PTH	FAA	GA1	GA2	CC	TC1	TC2	CS1	CS2
204	36 16.36	85 02.00	1704.0	42.59	.	1726.16	1854.10	32.29	25.77-	23.16-	.6	.	.	.	.
205	36 15.76	85 02.40	1204.0	49.47	.	1754.67	1853.33	14.62	26.40-	24.56-	.6	.	.	.	.
206	36 16.17	85 02.80	1025.0	50.24	.	1763.26	1852.01	5.76	29.14-	27.57-	.6	.	.	.	.
208	36 15.59	85 04.30	1550.0	43.76	.	1731.83	1852.95	24.70	28.11-	25.73-	.6	.	.	.	.
209	36 16.36	85 05.80	1535.0	42.03	.	1728.29	1854.10	18.52	33.78-	31.43-	.6	.	.	.	.
210	36 16.79	85 06.70	1722.0	39.88	.	1713.01	1854.20	20.21	38.45-	35.82-	.6	.	.	.	.
211	36 16.92	85 07.20	1819.0	38.66	.	1707.10	1854.99	23.24	38.73-	35.94-	.7	.	.	.	.
212	36 17.24	85 08.10	1853.0	37.43	.	1701.13	1855.40	20.06	43.07-	40.24-	.7	.	.	.	.
213	36 17.05	85 09.00	1820.0	37.21	.	1700.06	1855.17	16.11	45.89-	43.11-	.7	.	.	.	.
214	36 17.63	85 09.50	1824.0	36.83	.	1698.27	1856.01	13.82	48.33-	45.52-	.7	.	.	.	.
215	36 18.25	85 10.90	841.0	48.28	.	1753.75	1857.75	24.86-	53.54-	52.25-	.2	.	.	.	.
216	36 26.23	84 58.80	1145.0	51.68	.	1770.24	1868.35	9.62	29.39-	27.64-	.4	.	.	.	.
217	36 26.18	84 58.00	1742.0	45.59	.	1740.71	1868.27	36.24	43.01-	20.36-	.6	.	.	.	.
218	36 15.24	84 40.10	1405.0	49.61	.	1750.20	1852.58	39.40	5.06-	5.91-	.5	.	.	.	.
219	36 16.11	84 39.10	1436.0	49.89	.	1761.56	1853.83	42.83	6.09-	3.89-	.5	.	.	.	.
220	36 17.12	84 39.00	1332.0	50.85	.	1766.22	1855.27	40.96	6.12-	4.00-	.5	.	.	.	.
221	36 18.00	84 38.30	1400.0	51.10	.	1767.43	1856.54	42.61	5.09-	2.05-	.5	.	.	.	.
222	36 18.65	84 37.50	1277.0	52.85	.	1775.92	1857.47	38.55	4.91-	2.96-	.5	.	.	.	.
223	36 19.26	84 37.00	1332.0	52.37	.	1773.59	1858.34	40.56	4.82-	2.78-	.5	.	.	.	.
224	36 20.46	84 38.70	1408.0	51.67	.	1770.19	1859.98	42.68	5.29-	3.14-	.5	.	.	.	.
225	36 20.71	84 40.00	1398.0	51.96	.	1771.60	1860.51	42.61	3.01-	2.87-	.5	.	.	.	.
226	36 21.20	84 41.40	1241.0	53.94	.	1781.20	1861.13	36.83	5.45-	2.55-	.5	.	.	.	.
227	36 21.59	84 42.10	1431.0	51.68	.	1771.21	1861.69	44.15	4.60-	2.41-	.5	.	.	.	.
228	36 21.39	84 43.30	1473.0	51.32	.	1768.50	1861.40	45.68	4.50-	2.25-	.5	.	.	.	.
229	36 21.52	84 44.40	1420.0	52.07	.	1772.13	1861.59	44.14	4.24-	2.07-	.5	.	.	.	.
230	36 21.80	84 44.90	1455.0	51.90	.	1771.31	1861.99	46.21	3.36-	1.13-	.5	.	.	.	.
231	36 22.03	84 45.50	1495.0	51.67	.	1770.19	1862.32	48.52	2.41-	.12-	.6	.	.	.	.
232	36 22.44	84 46.20	1521.0	51.39	.	1769.81	1862.91	50.00	1.32-	.51	.6	.	.	.	.
233	36 22.45	84 46.80	1461.0	52.37	.	1773.59	1862.96	48.08	1.70-	.54	.5	.	.	.	.
234	36 22.29	84 47.50	1529.0	51.35	.	1768.64	1862.69	49.80	2.29-	.05	.6	.	.	.	.
235	36 21.92	84 48.70	1542.0	50.84	.	1766.17	1862.03	49.21	3.32-	.96-	.6	.	.	.	.
236	36 21.51	84 49.50	1589.0	49.97	.	1761.95	1861.57	49.37	4.26-	1.63-	.6	.	.	.	.
237	36 21.58	84 50.10	1588.0	50.00	.	1762.10	1861.67	49.23	4.27-	1.84-	.6	.	.	.	.
238	36 22.24	84 51.20	1602.0	50.00	.	1762.10	1862.62	50.20	4.38-	1.93-	.6	.	.	.	.
239	36 22.40	84 52.10	1636.0	49.35	.	1758.99	1862.85	50.06	5.68-	3.13-	.6	.	.	.	.
240	36 22.83	84 53.10	1678.0	48.61	.	1755.35	1863.46	49.75	7.42-	4.85-	.6	.	.	.	.
241	36 23.35	84 53.30	1652.0	48.49	.	1754.77	1864.21	48.89	8.50-	5.93-	.6	.	.	.	.
242	36 23.80	84 54.20	1681.0	48.15	.	1753.12	1864.86	45.41	10.86-	8.26-	.6	.	.	.	.
243	36 24.41	84 54.40	1697.0	47.75	.	1751.18	1865.73	45.10	12.71-	10.12-	.6	.	.	.	.
244	36 25.50	84 55.00	1777.0	46.37	.	1746.91	1867.30	42.09	16.75-	14.10-	.6	.	.	.	.
245	36 25.77	84 55.70	1742.0	46.35	.	1744.39	1867.62	40.69	18.70-	16.02-	.6	.	.	.	.
246	36 14.31	84 40.70	1348.0	49.74	.	1760.83	1851.25	36.40	9.52-	7.66-	.6	.	.	.	.
247	36 13.72	84 41.40	1497.0	47.80	.	1751.43	1850.40	41.87	9.14-	6.84-	.6	.	.	.	.
248	36 12.34	84 43.00	1568.0	46.11	.	1743.23	1848.43	42.32	11.10-	8.70-	.6	.	.	.	.
249	36 11.97	84 44.00	1596.0	45.79	.	1741.68	1847.90	43.94	10.44-	7.99-	.6	.	.	.	.
250	36 11.96	84 45.20	1611.0	45.49	.	1740.22	1847.88	43.90	10.93-	8.53-	.6	.	.	.	.
251	36 11.68	84 45.70	1618.0	45.17	.	1738.67	1847.48	43.41	11.71-	9.23-	.6	.	.	.	.
252	36 10.82	84 45.90	1601.0	44.77	.	1736.73	1846.25	41.10	13.44-	10.99-	.6	.	.	.	.
253	36 10.03	84 46.00	1584.0	44.37	.	1734.79	1845.12	38.70	15.27-	12.84-	.6	.	.	.	.
254	35 52.04	83 24.00	903.0	37.56	.	1701.76	1819.41	32.65-	62.45-	62.07-	.3	.	.	.	.
255	35 51.70	83 36.70	917.0	37.39	.	1700.94	1818.92	31.71-	62.93-	61.55-	.3	.	.	.	.

STA	LAT	LONG	E	MG/OS	TC	CG	PTH	FAA	BA1	BA2	CC	TCL	TC2	GBA1	GBA2
256	35	51.66	83	37.50	922.0	37.35	• 1700.74	1818.78	31.30-	62.71-	61.30-	.3	•	•	•
257	35	51.15	83	38.20	940.0	37.09	• 1699.48	1818.14	30.22-	62.25-	60.81-	.4	•	•	•
258	35	50.34	83	38.80	970.0	36.51	• 1696.67	1816.98	29.05-	62.10-	60.61-	.4	•	•	•
259	35	50.76	83	40.00	966.0	36.90	• 1698.56	1817.58	28.14-	61.05-	59.57-	.4	•	•	•
260	35	50.64	83	40.50	1019.0	36.28	• 1695.55	1817.41	25.99-	60.71-	59.15-	.4	•	•	•
261	35	50.17	83	41.40	1021.0	36.27	• 1695.51	1816.74	25.17-	59.96-	58.39-	.4	•	•	•
262	35	50.67	83	41.60	1010.0	36.65	• 1697.35	1817.45	25.04-	59.49-	57.94-	.4	•	•	•
263	35	51.43	83	43.50	972.0	37.38	• 1703.31	1818.54	23.75-	58.89-	55.41-	.4	•	•	•
264	35	51.77	83	44.20	981.0	38.33	• 1705.50	1819.02	21.23-	58.65-	53.15-	.4	•	•	•
265	35	52.25	83	45.40	1107.0	38.78	• 1697.98	1819.70	17.58-	58.29-	53.60-	.4	•	•	•
266	35	52.09	83	47.50	1059.0	37.24	• 1700.21	1820.89	21.05-	57.13-	53.51-	.4	•	•	•
267	35	54.83	83	49.80	881.0	40.31	• 1713.10	1823.39	25.40-	55.42-	54.07-	.3	•	•	•
268	35	56.11	83	49.90	840.0	41.51	• 1720.92	1825.21	25.27-	54.88-	52.60-	.3	•	•	•
269	35	56.24	83	51.30	876.0	41.51	• 1720.92	1825.40	22.07-	51.91-	50.57-	.3	•	•	•
270	35	57.16	83	52.00	834.0	41.80	• 1722.33	1826.71	25.92-	54.33-	53.06-	.3	•	•	•
271	35	57.12	83	53.70	837.0	41.47	• 1720.73	1826.66	27.18-	55.70-	54.42-	.3	•	•	•
272	35	57.50	83	55.20	927.0	41.56	• 1721.16	1827.20	28.23-	56.41-	55.14-	.2	•	•	•
273	36	14.24	83	44.80	1167.0	41.62	• 1721.45	1851.13	19.91-	58.68-	57.88-	.4	•	•	•
274	36	13.50	83	44.30	1242.0	40.65	• 1716.75	1850.09	16.49-	58.80-	56.90-	.5	•	•	•
275	36	12.64	83	44.80	1090.0	42.33	• 1724.90	1848.85	21.41-	58.54-	56.37-	.4	•	•	•
276	36	11.92	83	44.50	1060.0	42.18	• 1724.17	1847.82	23.93-	60.04-	58.42-	.4	•	•	•
277	36	11.20	83	44.50	1075.0	41.67	• 1721.70	1846.79	23.96-	60.56-	58.94-	.4	•	•	•
278	36	10.72	83	44.40	1115.0	41.05	• 1718.69	1846.11	22.52-	60.50-	58.30-	.4	•	•	•
279	36	09.89	83	44.20	1085.0	41.30	• 1719.90	1844.92	22.94-	59.90-	58.24-	.4	•	•	•
280	36	09.16	83	44.30	1046.0	41.79	• 1722.28	1843.87	23.18-	58.62-	57.22-	.4	•	•	•
281	36	09.13	83	43.30	1041.0	42.01	• 1723.34	1843.33	22.55-	58.02-	56.42-	.4	•	•	•
282	36	07.69	83	43.10	1022.0	42.18	• 1724.17	1841.77	21.45-	56.27-	54.70-	.4	•	•	•
283	36	07.12	83	43.50	986.0	42.42	• 1725.32	1840.95	22.86-	56.45-	54.94-	.4	•	•	•
284	36	06.22	83	44.30	972.0	42.29	• 1724.70	1839.66	23.52-	56.63-	55.15-	.4	•	•	•
285	36	05.65	83	45.00	1012.0	41.65	• 1721.60	1838.85	22.04-	56.52-	54.97-	.4	•	•	•
286	36	04.67	83	44.70	903.0	42.88	• 1727.56	1837.45	24.93-	55.70-	54.31-	.3	•	•	•
287	36	03.90	83	43.50	892.0	43.20	• 1729.12	1836.35	23.31-	53.70-	52.33-	.3	•	•	•
288	36	03.63	83	42.30	879.0	43.39	• 1730.04	1835.96	23.22-	53.17-	51.82-	.3	•	•	•
289	35	34.12	84	07.20	805.0	34.79	• 1688.33	1793.68	19.82-	57.24-	56.01-	.3	•	•	•
290	35	34.22	84	08.40	816.0	34.74	• 1688.09	1794.03	29.16-	56.97-	55.72-	.3	•	•	•
291	35	33.45	84	07.70	820.0	34.45	• 1686.58	1792.93	29.10-	57.04-	55.79-	.3	•	•	•
292	35	32.50	84	08.00	819.0	34.23	• 1685.85	1791.58	28.65-	56.53-	55.23-	.3	•	•	•
293	35	31.06	84	05.80	860.0	33.52	• 1682.17	1789.53	26.45-	56.75-	54.44-	.2	•	•	•
294	35	28.42	84	07.30	935.0	32.18	• 1675.67	1785.78	22.13-	54.00-	52.57-	.3	•	•	•
295	35	26.34	84	06.40	1151.0	28.85	• 1659.52	1782.83	15.02-	54.24-	52.47-	.4	•	•	•
296	35	25.88	84	06.30	1234.0	27.73	• 1654.09	1782.18	11.99-	54.03-	52.14-	.5	•	•	•
297	35	25.45	84	06.00	1314.0	26.41	• 1647.69	1781.57	10.25-	54.02-	53.01-	.5	•	•	•
298	35	25.05	84	05.30	1411.0	25.44	• 1642.98	1781.06	5.33-	53.40-	51.24-	.5	•	•	•
299	35	24.32	84	04.70	1661.0	21.98	• 1626.20	1779.96	2.51-	54.08-	51.54-	.6	•	•	•
300	35	29.48	84	07.40	892.0	32.78	• 1678.58	1787.29	24.79-	55.18-	53.81-	.3	•	•	•
301	35	34.58	84	09.90	864.0	34.50	• 1686.92	1784.54	26.33-	55.77-	54.44-	.3	•	•	•
302	35	35.54	84	11.10	859.0	34.36	• 1686.39	1785.90	24.93-	55.56-	54.18-	.3	•	•	•
303	35	36.25	84	13.30	822.0	35.27	• 1690.66	1786.91	23.92-	55.92-	55.56-	.3	•	•	•
304	25	35.40	84	14.00	844.0	34.84	• 1689.06	1785.70	27.24-	58.99-	54.70-	.3	•	•	•
305	35	31.05	84	21.60	969.0	32.65	• 1678.00	1789.52	20.35-	54.37-	51.98-	.4	•	•	•
306	35	30.90	84	20.80	994.0	32.35	• 1676.49	1789.31	19.30-	53.16-	51.64-	.4	•	•	•

STA	LAT	LONG	E	NG/MG	TC	OC	HT	FL	SL	DA	CL	LA	TC	LA	TC	LA
307	35	30.25	84	20.00	937.0	33.45	1681.82	1788.38	18.40-	50.32-	48.59-	3	.	.	.	.
308	35	30.13	84	19.30	1024.0	31.94	1674.51	1788.21	17.36-	52.25-	50.63-	4	.	.	.	.
309	35	29.50	84	18.40	875.0	33.34	1681.30	1787.32	23.70-	53.31-	52.17-	3	.	.	.	.
310	35	28.57	84	17.70	998.0	31.70	1673.34	1786.00	18.76-	52.76-	51.24-	4	.	.	.	.
311	35	27.42	84	16.70	828.0	33.22	1680.71	1784.26	23.75-	53.96-	52.70-	3	.	.	.	.
312	35	21.77	84	17.20	895.0	31.43	1672.03	1776.35	23.11-	50.61-	49.24-	3	.	.	.	.
313	35	23.18	84	16.40	347.0	32.22	1675.86	1776.35	22.80-	51.66-	50.36-	3	.	.	.	.
314	35	24.00	84	15.90	894.0	31.74	1673.54	1779.51	21.86-	52.32-	50.95-	2	.	.	.	.
315	35	24.45	84	15.80	916.0	31.41	1671.94	1780.15	22.03-	53.24-	51.83-	3	.	.	.	.
316	35	25.74	84	15.00	876.0	32.06	1675.09	1781.98	24.47-	54.32-	52.99-	3	.	.	.	.
E317	35	27.29	84	15.20	895.0	32.16	1675.57	1784.18	24.41-	54.90-	53.53-	3	.	.	.	.
318	35	22.42	84	18.10	859.0	31.52	1672.47	1777.27	23.98-	53.25-	51.93-	3	.	.	.	.
319	35	22.75	84	18.60	962.0	30.90	1669.46	1777.74	17.77-	50.54-	49.07-	4	.	.	.	.
320	35	23.54	84	19.50	941.0	31.31	1671.45	1778.86	18.82-	50.84-	49.49-	4	.	.	.	.
321	35	23.54	84	20.30	984.0	30.90	1669.46	1778.86	16.82-	50.35-	48.90-	4	.	.	.	.
322	35	23.68	84	21.20	969.0	31.24	1671.11	1779.06	16.78-	49.79-	48.31-	4	.	.	.	.
323	35	24.73	84	22.00	1031.0	30.90	1669.46	1780.55	14.09-	49.21-	47.63-	4	.	.	.	.
324	35	25.49	84	23.00	1018.0	31.17	1670.77	1781.82	15.08-	49.76-	48.20-	4	.	.	.	.
325	35	25.34	84	25.00	923.0	32.22	1675.86	1781.41	18.71-	50.16-	48.75-	3	.	.	.	.
326	35	25.78	84	26.20	960.0	31.33	1674.12	1782.04	17.60-	50.30-	48.82-	4	.	.	.	.
327	35	26.05	84	27.40	860.0	32.81	1678.73	1782.42	22.78-	52.08-	50.76-	2	.	.	.	.
328	35	26.00	84	28.40	374.0	32.62	1677.80	1782.35	22.32-	52.10-	50.75-	3	.	.	.	.
329	35	20.44	84	11.49	1196.0	27.74	1654.14	1774.46	7.80-	48.55-	46.71-	4	.	.	.	.
330	35	19.87	84	11.15	1273.0	26.09	1646.13	1773.65	7.76-	51.12-	49.19-	5	.	.	.	.
331	35	19.33	84	10.02	1503.0	23.65	1634.30	1772.89	2.82	48.30-	46.09-	6	.	.	.	.
332	35	19.71	84	09.00	1633.0	22.21	1627.32	1773.43	7.53	48.10-	45.60-	6	.	.	.	.
333	35	18.15	84	07.07	1867.0	18.17	1607.72	1771.22	14.04	50.25-	47.36-	7	.	.	.	.
334	35	17.53	84	06.46	1978.0	16.58	1600.01	1770.34	15.77	51.62-	49.59-	7	.	.	.	.
335	35	16.78	84	06.06	2229.0	12.93	1582.31	1769.27	22.75	53.14-	49.75-	8	.	.	.	.
336	35	15.84	84	05.10	2521.0	9.34	1564.90	1767.04	34.14	51.75-	47.89-	9	.	.	.	.
337	35	15.67	84	04.54	2582.0	8.40	1561.31	1767.70	34.53	51.44-	47.88-	9	.	.	.	.
338	35	21.31	84	16.00	894.0	31.52	1672.47	1775.69	19.12-	49.57-	48.20-	3	.	.	.	.
339	35	19.74	84	31.30	841.0	32.18	1675.67	1773.47	18.69-	47.50-	46.06-	3	.	.	.	.
340	35	18.61	84	31.80	798.0	32.51	1677.27	1771.87	19.52-	46.71-	45.48-	3	.	.	.	.
341	35	17.25	84	32.00	812.0	31.79	1673.78	1769.95	19.78-	47.44-	46.20-	3	.	.	.	.
342	35	15.64	84	33.00	812.0	31.13	1670.58	1767.66	20.68-	48.35-	47.11-	3	.	.	.	.
343	35	20.64	84	31.20	835.0	32.53	1677.37	1774.74	18.82-	47.24-	45.99-	3	.	.	.	.
344	35	21.01	84	31.10	867.0	32.37	1676.59	1775.27	17.11-	46.65-	45.32-	3	.	.	.	.
345	35	22.20	84	32.50	883.0	32.42	1676.83	1776.96	17.05-	47.14-	45.79-	3	.	.	.	.
346	35	22.55	84	33.50	897.0	31.48	1672.27	1777.51	20.85-	51.41-	50.03-	3	.	.	.	.
347	35	22.12	84	34.70	814.0	32.21	1675.82	1776.86	20.44-	52.17-	50.92-	3	.	.	.	.
348	35	22.12	84	35.00	775.0	32.76	1678.48	1776.84	25.45-	51.35-	50.67-	3	.	.	.	.
349	35	21.70	84	35.10	803.0	22.47	1677.08	1776.25	23.62-	50.94-	49.75-	3	.	.	.	.
350	35	22.27	84	36.80	808.0	22.77	1676.11	1777.36	24.93-	52.46-	51.22-	3	.	.	.	.
E351	35	23.12	84	37.48	885.0	31.29	1671.35	1778.26	24.65-	53.80-	52.44-	3	.	.	.	.
E352	35	23.81	84	37.25	920.0	30.49	1667.47	1779.24	24.27-	53.96-	52.62-	3	.	.	.	.
E353	35	25.35	84	36.75	835.0	21.44	1672.08	1781.43	26.02-	56.23-	54.89-	3	.	.	.	.
354	35	27.64	84	38.40	805.0	30.90	1669.46	1780.68	30.48-	66.81-	65.67-	3	.	.	.	.
355	35	28.23	84	39.50	845.0	30.95	1665.34	1785.51	40.68-	69.46-	68.17-	3	.	.	.	.
356	35	28.34	84	40.50	875.0	29.66	1663.45	1785.67	39.40-	69.71-	68.37-	3	.	.	.	.
357	35	28.86	84	41.90	776.0	30.12	1665.68	1786.41	47.72-	74.16-	72.47-	3	.	.	.	.

STA	LAT	LONG	E	NG/OG	TC	OG	PTH	FAA	BA1	BA2	CC	TC1	TC2	CA1	CB2
358	35	28.90	84 43.00	794.0	31.02	1670.04	1786.47	41.73-	63.78-	67.56-	.3	.	.	.	.
359	35	28.82	84 43.00	795.0	31.27	1671.26	1786.35	40.30-	67.38-	66.16-	.3	.	.	.	.
360	35	29.17	84 44.20	868.0	31.20	1670.92	1786.35	34.27-	63.84-	62.51-	.3	.	.	.	.
E361	35	29.70	84 45.90	850.0	31.58	1672.75	1787.60	34.87-	63.83-	62.53-	.3	.	.	.	.
362	35	30.33	84 46.50	778.0	32.69	1678.14	1788.50	37.16-	63.67-	62.48-	.3	.	.	.	.
E363	35	30.83	84 47.10	775.0	33.31	1681.15	1789.21	35.14-	61.55-	60.36-	.2	.	.	.	.
E364	35	30.94	84 48.10	790.0	33.55	1682.31	1789.36	32.73-	59.64-	58.42-	.3	.	.	.	.
E365	35	31.12	84 48.90	872.0	32.47	1677.08	1789.52	30.50-	60.21-	58.87-	.3	.	.	.	.
366	35	30.86	84 50.20	746.0	34.36	1686.34	1789.25	22.72-	58.14-	57.00-	.3	.	.	.	.
E367	35	31.50	84 51.20	705.0	35.69	1692.69	1790.16	21.14-	55.16-	54.05-	.3	.	.	.	.
E368	35	31.85	84 51.90	710.0	35.89	1693.66	1790.66	20.20-	54.39-	53.30-	.2	.	.	.	.
369	35	32.22	84 52.50	708.0	36.33	1695.80	1791.13	20.77-	52.89-	51.31-	.3	.	.	.	.
370	35	32.17	84 54.30	716.0	36.74	1697.79	1791.11	25.95-	50.35-	49.26-	.3	.	.	.	.
371	35	37.34	84 53.40	860.0	36.00	1694.20	1799.17	24.06-	53.36-	52.05-	.2	.	.	.	.
372	35	37.47	84 52.30	819.0	36.34	1695.85	1798.65	25.74-	53.65-	52.39-	.3	.	.	.	.
373	35	36.94	84 52.30	866.0	35.40	1691.29	1797.89	25.13-	54.63-	53.31-	.3	.	.	.	.
374	35	36.44	84 51.60	790.0	36.45	1696.38	1797.13	26.48-	53.39-	52.18-	.3	.	.	.	.
375	35	35.90	84 50.60	736.0	36.20	1696.04	1796.41	31.13-	50.20-	55.08-	.3	.	.	.	.
376	35	36.36	84 49.40	727.0	36.23	1695.31	1797.07	33.36-	50.13-	57.02-	.2	.	.	.	.
377	35	35.32	84 47.30	738.0	35.02	1689.44	1795.59	36.72-	61.86-	60.73-	.3	.	.	.	.
E378	35	37.41	84 45.20	790.0	34.63	1697.65	1798.56	36.59-	53.50-	62.29-	.3	.	.	.	.
E379	35	36.38	84 45.30	722.0	34.83	1688.52	1797.10	39.71-	54.65-	63.53-	.3	.	.	.	.
380	35	37.28	84 44.00	901.0	32.97	1679.50	1798.38	34.11-	54.81-	62.42-	.2	.	.	.	.
381	35	37.24	84 43.10	812.0	33.82	1683.62	1798.23	38.31-	65.97-	64.73-	.3	.	.	.	.
382	35	37.02	84 42.50	756.0	34.28	1685.85	1798.07	41.03-	60.70-	65.63-	.3	.	.	.	.
383	35	36.96	84 41.20	765.0	34.08	1684.68	1797.92	41.07-	67.12-	65.96-	.2	.	.	.	.
384	35	36.43	84 40.50	756.0	34.14	1685.18	1797.14	40.83-	66.59-	65.43-	.3	.	.	.	.
385	35	32.06	84 21.60	1009.0	32.34	1676.45	1790.38	19.61-	53.98-	52.44-	.4	.	.	.	.
386	35	32.65	84 21.80	921.0	33.89	1683.96	1791.75	21.13-	52.56-	51.15-	.3	.	.	.	.
387	35	33.50	84 21.70	930.0	34.09	1684.93	1793.00	20.58-	52.26-	50.84-	.3	.	.	.	.
388	35	34.37	84 22.20	978.0	33.21	1680.67	1794.24	21.56-	54.88-	52.38-	.4	.	.	.	.
389	35	34.94	84 22.20	1246.0	29.63	1663.40	1795.05	14.42-	56.87-	54.97-	.5	.	.	.	.
390	35	36.01	84 22.10	958.0	33.87	1682.87	1796.57	22.57-	55.21-	53.74-	.4	.	.	.	.
391	35	36.10	84 23.00	965.0	33.56	1682.36	1796.70	23.55-	56.43-	54.95-	.4	.	.	.	.
392	35	36.39	84 24.40	1035.0	32.31	1676.30	1797.11	23.44-	58.70-	57.11-	.4	.	.	.	.
393	35	36.41	84 25.30	1147.0	30.65	1668.25	1797.14	20.93-	60.06-	58.30-	.4	.	.	.	.
394	35	36.03	84 26.40	1039.0	31.62	1672.95	1796.60	25.89-	61.36-	59.77-	.3	.	.	.	.
395	35	36.94	84 27.50	901.0	33.22	1680.71	1797.89	32.42-	63.11-	61.73-	.2	.	.	.	.
396	35	36.04	84 28.60	1051.0	31.36	1671.69	1796.51	26.04-	61.85-	60.24-	.4	.	.	.	.
397	35	36.55	84 32.50	996.0	30.36	1666.24	1797.34	26.79-	70.73-	69.20-	.4	.	.	.	.
E398	35	30.63	84 33.10	1040.0	29.73	1663.79	1797.45	35.87-	71.25-	69.66-	.4	.	.	.	.
399	35	36.67	84 34.00	1014.0	30.36	1666.75	1797.51	35.36-	69.81-	68.35-	.4	.	.	.	.
E400	35	36.72	84 34.70	960.0	31.06	1671.69	1797.58	35.57-	68.28-	66.81-	.4	.	.	.	.
E401	35	37.10	84 35.60	920.0	31.59	1672.81	1798.12	38.76-	70.10-	68.69-	.3	.	.	.	.
E402	35	37.04	84 37.20	930.0	31.54	1672.57	1798.04	37.97-	69.65-	68.23-	.3	.	.	.	.
403	35	34.90	84 38.00	903.0	32.07	1675.14	1797.84	37.74-	66.51-	67.12-	.3	.	.	.	.
404	35	36.47	84 38.80	891.0	32.12	1675.38	1797.22	38.32-	68.37-	67.01-	.3	.	.	.	.
405	35	36.40	84 39.70	820.0	22.72	1678.56	1797.24	41.51-	68.45-	68.19-	.3	.	.	.	.
406	35	51.27	84 31.33	757.0	40.71	1717.04	1819.16	29.08-	54.30-	53.69-	.3	.	.	.	.
407	35	51.27	84 32.40	791.0	40.63	1715.92	1818.31	27.97-	54.92-	53.71-	.3	.	.	.	.
408	35	50.79	84 32.62	800.0	40.24	1714.76	1817.52	27.50-	54.06-	53.63-	.3	.	.	.	.

STA	LAT	LONG	E	MS/OG	TC	OG	FYE	FAA	BA1	BA2	CC	TC1	TC2	CSA1	CSA2
460	35 59.53	84 25.30	880.0	42.91	.	1727.71	1840.10	19.60-	49.58-	48.23-	.3	.	.	.	.
461	36 00.14	84 24.00	877.0	42.14	.	1728.82	1831.00	19.67-	49.55-	49.21-	.3	.	.	.	.
462	36 01.36	84 22.30	879.0	42.82	.	1732.12	1872.71	17.90-	47.84-	46.50-	.3	.	.	.	.
463	36 02.37	84 21.40	829.0	44.60	.	1735.91	1944.16	20.26-	48.50-	47.23-	.3	.	.	.	.
464	36 02.85	84 18.80	798.0	44.22	.	1734.06	1934.85	25.71-	52.90-	51.67-	.3	.	.	.	.
465	36 03.57	84 17.20	842.0	43.99	.	1732.95	1877.87	23.71-	52.39-	51.11-	.3	.	.	.	.
466	36 04.52	84 15.40	910.0	43.47	.	1730.43	1847.23	21.19-	52.19-	50.80-	.3	.	.	.	.
467	36 04.62	84 13.10	889.0	42.73	.	1727.05	1836.52	25.80-	56.09-	54.73-	.3	.	.	.	.
468	36 04.29	84 10.90	826.0	43.16	.	1728.92	1836.90	30.27-	53.41-	57.15-	.3	.	.	.	.
469	36 04.77	84 09.80	802.0	43.52	.	1730.67	1847.59	31.47-	58.79-	57.56-	.3	.	.	.	.
470	36 05.72	84 08.60	821.0	42.85	.	1727.42	1839.25	28.64-	58.66-	57.31-	.3	.	.	.	.
471	36 05.01	84 07.60	836.0	42.55	.	1725.96	1837.93	33.32-	61.80-	60.52-	.3	.	.	.	.
472	36 04.18	84 08.20	879.0	41.15	.	1719.17	1836.75	34.88-	64.83-	63.48-	.3	.	.	.	.
473	36 03.35	84 07.20	1006.0	39.84	.	1712.82	1835.56	28.10-	62.37-	60.83-	.4	.	.	.	.
474	36 02.52	84 06.70	870.0	41.48	.	1720.77	1834.37	31.73-	61.39-	60.06-	.3	.	.	.	.
475	36 07.80	84 07.60	966.0	41.52	.	1720.97	1841.82	30.07-	67.98-	61.51-	.4	.	.	.	.
476	36 08.26	84 08.00	1103.0	39.90	.	1713.11	1842.58	25.70-	63.28-	61.59-	.4	.	.	.	.
477	36 07.34	83 59.48	886.0	41.98	.	1723.20	1841.27	34.71-	64.90-	63.54-	.3	.	.	.	.
478	36 06.80	83 59.20	896.0	41.88	.	1722.71	1840.49	33.43-	64.02-	62.64-	.3	.	.	.	.
479	36 06.41	83 58.39	1072.0	39.38	.	1710.59	1839.94	28.49-	65.01-	63.37-	.4	.	.	.	.
480	36 06.01	83 57.45	1140.0	38.82	.	1707.97	1839.26	24.24-	63.08-	61.34-	.4	.	.	.	.
481	36 05.59	83 57.01	1147.0	39.77	.	1707.63	1838.64	23.09-	62.17-	60.42-	.4	.	.	.	.
482	36 04.98	82 56.13	1035.0	40.08	.	1713.98	1837.89	26.54-	61.80-	60.21-	.4	.	.	.	.
483	36 03.81	83 55.51	1062.0	39.51	.	1711.22	1836.22	25.08-	61.27-	59.64-	.4	.	.	.	.
484	36 02.95	83 55.63	1161.0	38.25	.	1705.11	1834.29	20.65-	60.20-	58.43-	.4	.	.	.	.
485	36 01.82	83 55.25	964.0	40.58	.	1716.41	1833.77	26.27-	59.11-	57.64-	.4	.	.	.	.
486	36 01.54	83 55.66	964.0	40.45	.	1715.78	1832.97	26.50-	59.34-	57.87-	.4	.	.	.	.
487	36 00.88	83 55.43	980.0	40.14	.	1714.27	1832.03	25.56-	58.95-	57.45-	.4	.	.	.	.
488	36 02.38	83 42.90	939.0	41.88	.	1722.71	1834.17	26.12-	55.11-	53.67-	.4	.	.	.	.
489	36 03.08	83 42.50	920.0	42.70	.	1726.69	1835.17	21.93-	52.27-	51.86-	.3	.	.	.	.
490	36 01.49	82 43.50	925.0	41.71	.	1721.89	1832.90	23.89-	55.50-	54.08-	.3	.	.	.	.
491	36 00.72	82 42.40	1138.0	38.94	.	1708.46	1831.80	16.28-	55.05-	53.30-	.4	.	.	.	.
492	36 00.27	83 41.60	1019.0	40.27	.	1714.91	1831.16	20.38-	55.10-	53.53-	.4	.	.	.	.
493	35 59.85	83 42.61	1020.0	40.13	.	1714.23	1830.56	20.37-	55.12-	53.55-	.4	.	.	.	.
494	35 59.36	83 43.40	904.0	41.47	.	1720.73	1829.86	24.08-	54.88-	53.42-	.3	.	.	.	.
495	35 58.90	83 44.20	935.0	40.94	.	1718.15	1829.20	23.08-	54.04-	53.51-	.3	.	.	.	.
496	36 01.04	83 41.20	1151.0	38.78	.	1707.68	1822.26	16.28-	55.50-	53.74-	.4	.	.	.	.
497	36 01.12	83 40.00	1142.0	38.84	.	1707.97	1832.37	16.96-	55.87-	54.12-	.4	.	.	.	.
498	36 01.23	83 39.20	1163.0	38.49	.	1706.27	1832.53	16.84-	55.47-	54.69-	.4	.	.	.	.
499	36 00.57	83 38.40	1093.0	39.85	.	1712.87	1831.89	21.53-	56.72-	55.14-	.4	.	.	.	.
500	36 00.76	83 37.40	1054.0	39.43	.	1710.82	1831.03	20.93-	57.18-	55.55-	.4	.	.	.	.
501	36 01.40	83 35.30	1136.0	38.70	.	1707.29	1832.77	18.61-	57.31-	55.57-	.4	.	.	.	.
502	36 01.50	83 34.10	1147.0	39.37	.	1710.54	1832.91	14.46-	53.54-	51.79-	.4	.	.	.	.
503	36 01.33	83 33.10	1101.0	38.81	.	1707.82	1832.67	21.27-	58.78-	57.09-	.4	.	.	.	.
504	36 01.36	83 31.90	1025.0	39.55	.	1711.41	1832.71	24.87-	59.79-	58.22-	.4	.	.	.	.
505	36 02.18	83 30.80	1046.0	39.48	.	1711.07	1833.89	24.41-	50.04-	52.44-	.4	.	.	.	.
506	36 02.12	83 29.70	1062.0	39.24	.	1709.91	1833.82	23.95-	60.17-	58.55-	.4	.	.	.	.
507	36 02.71	83 28.80	1122.0	38.68	.	1707.19	1834.64	21.90-	60.12-	58.40-	.4	.	.	.	.
508	36 03.29	83 27.90	1162.0	38.28	.	1705.25	1835.47	20.90-	60.48-	58.71-	.4	.	.	.	.
509	36 02.83	83 27.40	1169.0	38.18	.	1704.77	1834.82	21.93-	61.09-	59.33-	.4	.	.	.	.
510	36 02.40	83 26.60	1332.0	35.55	.	1692.01	1834.20	16.88-	62.26-	60.22-	.5	.	.	.	.

STA	LAT	LONG	E	WG/CG	TC	CG	FTU	FAA	BA1	LA2	CC	TC1	TC2	CSA1	CSA2
511	36 02.94	83 26.00	1220.0	36.68	•	1697.49	1877.60	20.48-	62.38-	50.50-	.5	•	•	•	•
512	36 01.23	83 25.40	1113.0	37.61	•	1702.00	1832.53	25.82-	63.74-	62.03-	.4	•	•	•	•
513	36 00.90	83 24.90	1000.0	38.82	•	1707.87	1832.06	30.11-	64.18-	62.65-	.4	•	•	•	•
514	35 52.68	83 34.70	994.0	37.86	•	1703.22	1820.32	32.99-	63.45-	62.08-	.3	•	•	•	•
515	35 54.48	83 35.50	889.0	38.99	•	1708.21	1822.89	31.04-	61.33-	59.97-	.3	•	•	•	•
516	35 55.14	83 37.10	889.0	39.61	•	1711.70	1823.83	28.49-	58.78-	57.42-	.3	•	•	•	•
517	35 55.60	83 39.20	888.0	39.89	•	1713.06	1814.49	27.28-	58.14-	56.78-	.3	•	•	•	•
518	35 55.96	83 41.40	887.0	40.16	•	1714.37	1825.00	27.18-	57.40-	56.04-	.3	•	•	•	•
519	35 53.82	83 42.20	938.0	39.10	•	1709.23	1821.95	24.47-	56.42-	54.99-	.3	•	•	•	•
520	35 57.69	83 44.00	865.0	40.83	•	1717.62	1827.47	28.47-	57.94-	56.62-	.3	•	•	•	•
521	35 56.36	83 43.52	1000.0	38.62	•	1706.90	1825.57	24.59-	58.56-	57.13-	.4	•	•	•	•
522	35 55.80	83 20.40	1077.0	34.99	•	1689.30	1824.77	24.53-	71.14-	69.50-	.4	•	•	•	•
523	35 56.38	83 21.70	1000.0	35.97	•	1694.05	1825.60	37.47-	71.54-	70.01-	.4	•	•	•	•
526	36 15.09	83 45.20	1278.0	46.64	•	1716.65	1852.36	15.48-	59.02-	57.06-	.5	•	•	•	•
527	36 15.50	83 46.10	1262.0	47.04	•	1718.59	1852.05	15.03-	58.63-	56.70-	.5	•	•	•	•
528	36 15.70	83 46.70	1271.0	47.17	•	1719.22	1853.24	14.44-	57.75-	55.80-	.5	•	•	•	•
529	36 16.26	83 46.10	1518.0	44.22	•	1704.96	1854.34	6.27-	57.99-	55.66-	.6	•	•	•	•
530	36 14.91	83 45.80	1576.0	46.05	•	1713.79	1854.97	11.73-	58.41-	56.59-	.5	•	•	•	•
531	36 36.43	83 42.10	1134.0	57.16	•	1757.67	1820.31	2.45-	47.23-	45.55-	.4	•	•	•	•
532	36 36.46	83 44.20	1141.0	57.11	•	1767.42	1803.03	9.27-	47.15-	45.40-	.4	•	•	•	•
533	36 36.13	83 42.80	1145.0	56.95	•	1756.65	1882.60	9.23-	47.24-	45.49-	.4	•	•	•	•
534	36 36.73	83 45.68	1314.0	56.44	•	1754.19	1883.47	5.37-	46.42-	44.57-	.5	•	•	•	•
535	36 36.36	83 46.40	1272.0	55.13	•	1758.76	1883.62	4.30-	47.53-	45.58-	.5	•	•	•	•
536	36 36.30	83 47.40	1367.0	54.27	•	1753.41	1893.54	1.62-	49.09-	46.00-	.5	•	•	•	•
537	36 36.31	83 48.05	1507.0	51.53	•	1740.46	1883.12	1.76	48.52-	46.29-	.6	•	•	•	•
538	36 31.00	83 48.93	1757.0	49.32	•	1729.65	1892.61	11.34	48.52-	45.83-	.6	•	•	•	•
539	36 37.02	83 50.45	1948.0	47.02	•	1718.49	1883.94	17.82	45.55-	42.57-	.7	•	•	•	•
540	36 27.70	83 50.90	2281.0	43.14	•	1699.67	1894.83	29.43	45.28-	44.79-	.8	•	•	•	•
541	36 22.43	83 51.00	2362.0	39.40	•	1682.51	1895.88	37.63	49.63-	45.70-	.9	•	•	•	•
542	36 33.28	83 51.40	2479.0	40.52	•	1697.45	1853.64	35.03	42.42-	45.63-	.9	•	•	•	•
543	36 32.60	83 52.40	1716.0	49.32	•	1723.45	1886.20	9.59	50.57-	47.87-	.6	•	•	•	•
544	36 37.42	83 52.16	2450.0	40.87	•	1688.67	1884.43	24.73	49.74-	44.23-	.2	•	•	•	•
545	36 37.43	83 52.70	2627.0	43.63	•	1713.21	1884.49	10.47	49.64-	46.53-	.7	•	•	•	•
546	36 36.03	83 52.50	2654.0	50.15	•	1735.33	1883.27	10.24	47.14-	44.56-	.6	•	•	•	•
547	36 52.30	83 53.70	1310.0	34.85	•	1756.47	1891.31	2.10-	45.73-	44.72-	.5	•	•	•	•
548	36 35.09	83 54.20	1248.0	55.42	•	1759.23	1881.08	4.39-	46.91-	44.92-	.5	•	•	•	•
549	36 34.49	83 54.70	1182.0	56.05	•	1762.29	1890.11	6.62-	46.80-	45.08-	.4	•	•	•	•
550	36 34.12	83 56.00	1386.0	54.10	•	1753.07	1890.69	2.77	44.45-	42.32-	.5	•	•	•	•
551	36 32.96	83 57.00	1107.0	56.92	•	1765.41	1878.32	7.36-	45.07-	42.33-	.4	•	•	•	•
552	36 32.00	83 40.10	1339.0	55.91	•	1758.21	1882.24	2.14-	46.02-	44.05-	.5	•	•	•	•
553	36 31.95	83 40.00	1307.0	54.90	•	1754.77	1879.41	1.77	45.00-	44.08-	.5	•	•	•	•
554	36 32.90	83 40.30	1237.0	55.17	•	1759.02	1877.62	3.53-	45.56-	43.70-	.5	•	•	•	•
555	36 34.66	83 40.70	1266.0	55.35	•	1759.04	1880.89	2.75-	45.83-	43.94-	.5	•	•	•	•
557	36 30.36	83 41.50	1151.0	56.81	•	1765.87	1882.60	8.65-	47.36-	46.10-	.4	•	•	•	•
558	36 30.55	83 36.40	1270.0	52.70	•	1746.04	1874.61	9.08-	52.56-	50.41-	.5	•	•	•	•
559	36 28.12	83 34.20	1509.0	48.73	•	1726.79	1871.07	2.32-	53.73-	51.42-	.6	•	•	•	•
560	36 27.89	83 37.20	1642.0	47.14	•	1719.67	1870.70	2.82	53.12-	50.51-	.6	•	•	•	•
561	36 28.94	83 34.30	1428.0	49.18	•	1729.79	1862.67	5.13-	53.83-	51.63-	.5	•	•	•	•
562	36 21.47	83 32.70	1369.0	49.14	•	1728.77	1867.25	9.65-	50.33-	54.23-	.5	•	•	•	•
563	36 25.19	83 31.50	1072.0	52.40	•	1744.56	1867.59	21.59-	58.21-	50.57-	.4	•	•	•	•
564	36 29.15	83 31.10	1071.0	52.11	•	1743.18	1866.61	22.87-	57.56-	57.72-	.4	•	•	•	•

STA	LAT	LONG	E	WGS84	TC	OG	PTH	FAA	DAI	BAZ	CC	TC1	TC2	CBA1	CBA2
565	36	24.27	83	29.50	1048.0	51.38	1742.06	1865.33	24.88-	60.58-	58.98-	.4	.	.	.
566	36	24.52	83	28.30	1062.0	51.75	1741.43	1865.37	22.67-	59.53-	57.87-	.4	.	.	.
567	36	25.38	83	26.50	1053.0	52.01	1742.69	1864.85	18.73-	58.97-	54.30-	.4	.	.	.
568	36	21.28	83	26.00	1204.0	50.09	1733.38	1862.06	15.41-	56.43-	54.58-	.4	.	.	.
569	36	21.46	83	25.04	1402.0	48.05	1723.49	1861.63	6.14-	52.90-	51.75-	.5	.	.	.
570	36	21.17	83	24.63	1673.0	43.92	1703.60	1861.23	.23-	57.22-	54.66-	.6	.	.	.
571	36	21.01	83	23.84	1977.0	40.07	1684.79	1860.55	9.93	57.42-	54.40-	.7	.	.	.
572	36	21.11	83	23.28	1738.0	42.30	1695.60	1861.00	2.32	58.10-	55.36-	.7	.	.	.
573	36	20.88	83	22.77	1222.0	49.22	1729.70	1860.67	16.00-	57.63-	55.76-	.5	.	.	.
574	36	20.46	83	23.26	1086.0	50.83	1736.97	1860.06	20.92-	57.92-	56.26-	.4	.	.	.
575	36	20.04	83	22.68	1062.0	50.74	1736.53	1859.46	23.02-	57.20-	57.57-	.4	.	.	.
576	36	19.40	83	22.19	1023.0	50.84	1737.02	1858.56	35.35-	60.25-	58.68-	.4	.	.	.
577	36	21.03	83	44.20	1056.0	52.50	1745.07	1860.83	16.66-	52.44-	50.82-	.4	.	.	.
578	36	20.26	83	44.58	1059.0	51.80	1741.67	1859.78	16.48-	54.56-	52.93-	.4	.	.	.
579	36	19.70	83	44.80	1038.0	51.78	1741.58	1858.97	18.74-	53.10-	53.51-	.4	.	.	.
580	36	19.51	83	45.30	1192.0	49.51	1730.57	1857.27	14.55-	55.16-	53.34-	.4	.	.	.
581	36	18.03	83	45.70	1237.0	48.56	1725.96	1856.58	14.24-	56.39-	54.49-	.5	.	.	.
582	36	20.61	83	43.20	1044.0	53.66	1752.15	1860.70	9.91-	45.48-	43.66-	.4	.	.	.
583	36	21.58	83	43.80	1118.0	53.73	1751.13	1861.67	5.36-	42.45-	41.74-	.4	.	.	.
584	36	22.42	83	43.61	1442.0	50.23	1734.16	1862.82	6.55	42.18-	39.97-	.5	.	.	.
585	36	20.70	83	18.12	1084.0	50.74	1736.53	1860.41	21.00-	58.83-	57.17-	.4	.	.	.
586	36	20.63	83	17.04	1150.0	49.83	1732.41	1860.31	19.71-	58.89-	57.12-	.4	.	.	.
587	36	19.82	83	16.33	1170.0	49.25	1729.31	1859.15	19.75-	59.62-	57.83-	.4	.	.	.
588	36	19.13	83	16.53	1170.0	50.09	1728.53	1858.16	19.55-	59.41-	57.62-	.4	.	.	.
589	36	18.04	83	17.10	1201.0	49.95	1713.39	1850.36	14.97-	59.37-	57.97-	.5	.	.	.
590	36	14.65	83	17.10	1208.0	46.25	1714.76	1851.82	23.32-	64.74-	62.39-	.4	.	.	.
591	36	15.26	83	15.24	1129.0	48.31	1724.75	1852.61	21.64-	60.11-	58.38-	.4	.	.	.
592	36	15.54	83	17.32	1025.0	49.75	1731.73	1853.58	25.42-	60.34-	58.77-	.4	.	.	.
593	36	15.12	83	16.60	1292.0	45.69	1712.04	1849.54	15.66-	50.91-	57.93-	.5	.	.	.
594	36	12.30	83	17.30	1317.0	45.26	1703.06	1848.37	14.50-	50.37-	57.36-	.5	.	.	.
595	36	11.75	83	16.80	1369.0	44.28	1705.20	1847.58	13.58-	50.22-	53.13-	.5	.	.	.
596	36	10.38	83	16.70	1330.0	43.34	1700.64	1845.62	15.15-	62.16-	60.05-	.5	.	.	.
597	36	10.00	83	16.43	1404.0	42.97	1698.55	1845.07	14.14-	61.77-	59.32-	.5	.	.	.
598	36	10.24	84	12.40	1036.0	54.48	1734.67	1855.53	4.74-	40.04-	38.45-	.4	.	.	.
599	36	10.69	84	12.60	1063.0	54.35	1754.04	1857.52	3.46-	39.39-	35.07-	.4	.	.	.
600	36	19.04	84	10.90	1119.0	53.65	1750.65	1858.03	2.10-	40.23-	38.51-	.4	.	.	.
601	36	19.60	84	10.50	1131.0	52.68	1750.70	1858.83	1.64-	40.17-	38.44-	.4	.	.	.
602	36	21.25	84	09.00	1140.0	53.65	1750.84	1861.23	3.16-	42.00-	40.26-	.4	.	.	.
603	36	22.04	84	07.60	1136.0	52.70	1751.20	1863.48	5.32-	44.03-	42.29-	.4	.	.	.
604	36	23.70	84	07.60	1128.0	52.55	1750.16	1864.73	3.55-	46.98-	45.25-	.4	.	.	.
605	36	25.57	84	05.20	1242.0	51.77	1729.19	1867.40	2.04-	47.73-	45.71-	.5	.	.	.
606	36	26.24	84	04.70	1374.0	51.11	1738.33	1868.16	.76-	47.56-	45.47-	.5	.	.	.
607	36	30.24	84	06.20	1130.0	55.17	1758.02	1874.11	9.75-	45.27-	43.54-	.4	.	.	.
608	36	23.63	84	06.60	1135.0	54.52	1756.30	1873.32	8.53-	47.88-	46.12-	.4	.	.	.
609	36	25.43	84	06.60	1243.0	52.27	1743.80	1871.51	1.02-	46.84-	44.78-	.5	.	.	.
610	36	30.36	84	05.10	1093.0	55.71	1760.67	1875.00	11.34-	43.65-	41.97-	.4	.	.	.
611	36	31.74	84	04.60	1091.0	56.09	1762.43	1876.26	11.19-	40.36-	46.69-	.4	.	.	.
612	36	32.54	84	04.50	1090.0	56.64	1765.15	1877.41	9.72-	46.85-	45.18-	.4	.	.	.
613	36	33.06	84	02.90	1050.0	57.51	1769.37	1878.16	9.25-	45.30-	43.68-	.4	.	.	.
614	36	32.58	84	02.60	1207.0	54.26	1753.61	1877.47	.90	45.43-	43.42-	.5	.	.	.
615	36	31.54	84	01.50	1465.0	52.06	1742.84	1875.06	4.71	45.20-	42.96-	.5	.	.	.

ATA	LAT	LONG	H	NO/NO	IC	CC	ETH	FAP	BAL	SA2	CC	TC1	TC2	CSA1	CBA2
616	34 32.75	84 59.00	1087.0	57.17	.	1767.72	1877.75	7.77-	44.80-	43.14-	.4	.	.	.	.
617	34 35.10	84 58.00	1084.0	57.36	.	1768.74	1878.22	6.65-	45.93-	42.73-	.4	.	.	.	.
618	34 38.47	84 57.30	1087.0	57.55	.	1769.86	1878.75	6.92-	46.96-	42.29-	.4	.	.	.	.
619	34 34.54	84 04.20	990.0	58.20	.	1773.01	1880.25	14.14-	47.67-	46.35-	.4	.	.	.	.
620	34 35.84	84 04.50	975.0	58.58	.	1774.41	1881.35	14.50-	48.16-	46.67-	.4	.	.	.	.
621	34 35.58	84 04.50	967.0	59.16	.	1777.77	1881.73	15.54-	48.46-	45.00-	.4	.	.	.	.
622	34 36.35	84 04.40	1061.0	59.58	.	1773.01	1882.90	10.00-	48.22-	44.60-	.4	.	.	.	.
623	34 37.00	84 04.00	960.0	59.22	.	1779.12	1883.85	13.51-	46.50-	43.07-	.4	.	.	.	.
624	34 37.50	84 05.70	967.0	59.55	.	1780.72	1884.36	12.87-	45.51-	44.43-	.4	.	.	.	.
625	34 38.02	84 06.00	977.0	60.14	.	1782.12	1885.25	12.50-	45.14-	43.66-	.4	.	.	.	.
626	34 38.62	84 07.40	1074.0	60.05	.	1784.60	1886.16	7.10-	41.31-	39.77-	.4	.	.	.	.
627	34 39.21	84 07.80	977.0	61.40	.	1788.67	1887.01	6.42-	39.71-	38.21-	.4	.	.	.	.
628	34 43.71	84 07.70	1087.0	62.78	.	1794.93	1889.17	.50	37.80-	32.26-	.4	.	.	.	.
629	34 41.27	84 08.40	948.0	64.05	.	1801.08	1890.12	.16	37.14-	30.62-	.4	.	.	.	.
630	34 41.02	84 08.10	1014.0	63.56	.	1798.71	1890.91	3.39	71.23-	29.67-	.4	.	.	.	.
631	34 42.57	84 09.00	940.0	65.03	.	1806.12	1891.84	2.72	27.30-	27.87-	.4	.	.	.	.
632	34 43.38	84 09.70	937.0	65.85	.	1809.66	1892.94	5.17	26.75-	25.51-	.3	.	.	.	.
633	34 44.00	84 09.00	938.0	66.00	.	1810.93	1892.90	5.27	25.68-	25.25-	.3	.	.	.	.
634	34 45.50	84 09.50	1068.0	65.11	.	1806.71	1895.34	11.17	25.14-	23.51-	.4	.	.	.	.
635	34 46.72	84 09.70	1101.0	65.62	.	1808.70	1897.32	14.46	23.05-	21.37-	.4	.	.	.	.
636	34 47.82	84 10.20	1177.0	65.85	.	1809.82	1898.33	13.90	20.10-	18.42-	.4	.	.	.	.
637	34 47.02	84 10.70	1160.0	66.36	.	1812.29	1899.59	21.85	17.09-	15.92-	.4	.	.	.	.
638	34 48.73	84 11.40	1152.0	67.04	.	1815.68	1900.77	23.25	16.00-	14.23-	.4	.	.	.	.
639	34 49.05	84 12.00	1043.0	69.23	.	1826.21	1901.11	27.52	12.08-	10.48-	.4	.	.	.	.
640	34 49.71	84 12.70	1219.0	68.04	.	1820.47	1902.13	37.14	9.06-	7.23-	.4	.	.	.	.
641	34 50.54	84 13.50	1121.0	70.39	.	1830.84	1903.22	32.89	5.20-	3.45-	.4	.	.	.	.
642	34 51.33	84 14.00	1252.0	68.07	.	1826.80	1904.47	40.21	2.45-	.53-	.5	.	.	.	.
643	34 51.83	84 14.50	1168.0	70.78	.	1833.73	1905.33	38.23	1.51-	.23	.4	.	.	.	.
644	34 55.83	84 05.70	1198.0	68.42	.	1822.50	1911.11	15.41	22.34-	20.64-	.4	.	.	.	.
645	34 54.23	84 06.20	1032.0	69.06	.	1820.79	1908.68	12.59	24.27-	22.52-	.4	.	.	.	.
646	34 53.96	84 06.50	1106.0	67.62	.	1818.40	1908.26	10.19	23.49-	21.80-	.4	.	.	.	.
647	34 53.60	84 07.00	1121.0	67.55	.	1818.21	1907.63	17.25	21.45-	19.71-	.4	.	.	.	.
648	34 51.00	84 07.10	1023.0	69.06	.	1820.52	1904.90	11.87	27.05-	21.42-	.4	.	.	.	.
649	34 51.00	84 07.30	1011.0	67.81	.	1810.72	1904.04	10.40	24.05-	22.50-	.4	.	.	.	.
650	34 50.40	84 07.30	1001.0	67.59	.	1818.35	1903.12	9.30	24.81-	23.26-	.4	.	.	.	.
651	34 49.38	84 07.00	984.0	67.53	.	1817.96	1902.80	8.16	25.37-	23.83-	.4	.	.	.	.
652	34 49.55	84 07.50	972.0	67.39	.	1817.28	1900.46	8.26	24.85-	22.36-	.4	.	.	.	.
653	34 47.57	84 07.10	942.0	67.10	.	1815.78	1898.98	6.09	26.21-	24.76-	.4	.	.	.	.
654	34 47.10	84 08.20	936.0	67.22	.	1810.46	1898.69	6.03	23.06-	24.42-	.3	.	.	.	.
655	34 46.19	84 09.20	928.0	67.23	.	1816.51	1897.06	6.76	24.83-	23.44-	.3	.	.	.	.
656	34 43.70	84 11.00	890.0	66.36	.	1812.29	1893.47	3.19	24.17-	22.72-	.4	.	.	.	.
657	34 43.28	84 11.50	975.0	65.55	.	1810.49	1892.01	0.50	23.77-	22.27-	.4	.	.	.	.
658	34 42.47	84 11.80	1136.0	63.47	.	1797.24	1891.70	14.41	24.29-	22.58-	.4	.	.	.	.
659	34 42.57	84 12.70	1392.0	61.06	.	1795.58	1891.34	25.69	21.73-	19.60-	.5	.	.	.	.
660	34 42.46	84 13.40	1811.0	55.74	.	1775.23	1891.63	35.21	19.68-	17.21-	.5	.	.	.	.
661	34 41.56	84 13.80	1264.0	62.57	.	1792.91	1890.59	22.44	20.63-	18.69-	.5	.	.	.	.
662	34 42.14	84 14.40	1146.0	61.35	.	1802.69	1887.70	20.51	19.20-	16.44-	.4	.	.	.	.
663	34 43.33	84 15.30	975.0	67.02	.	1815.54	1889.40	17.79	15.43-	13.94-	.4	.	.	.	.
664	34 43.72	84 16.00	997.0	68.25	.	1821.43	1889.13	25.36	8.42-	6.93-	.4	.	.	.	.
665	34 40.20	84 16.00	1015.0	68.70	.	1823.64	1888.55	30.58	4.00-	2.44-	.4	.	.	.	.
666	34 39.53	84 16.20	1072.0	69.30	.	1821.70	1887.90	36.56	.67-	1.00	.4	.	.	.	.

SLA	LAT	LONG	E	VE/OS	TC	OS	FTB	FAA	BA1	BA2	CC	IC1	IC2	CBA1	CBA2
667	36	39.69	84	20.30	1232.0	67.29	1816.30	1837.70	45.01	3.04	4.92	.5	.	.	.
668	36	39.45	84	21.00	1052.0	69.66	1828.29	1837.33	35.91	4.07	5.68	.4	.	.	.
669	36	39.36	84	22.00	1064.0	69.93	1829.60	1837.22	42.48	6.23	7.86	.4	.	.	.
670	36	39.03	84	22.80	1323.0	67.81	1819.32	1837.00	55.89	10.81	12.64	.5	.	.	.
671	36	40.05	84	23.90	1371.0	67.73	1816.93	1831.32	59.70	12.99	13.09	.5	.	.	.
672	36	40.55	84	24.80	1387.0	68.18	1821.12	1833.94	62.67	15.42	17.54	.5	.	.	.
673	36	40.04	84	26.00	1412.0	68.96	1815.20	1838.20	58.84	11.73	13.90	.5	.	.	.
674	36	39.82	84	27.00	1409.0	66.72	1814.04	1837.88	57.87	10.17	12.31	.5	.	.	.
675	36	40.83	84	27.70	1361.0	68.00	1820.53	1839.43	59.09	12.72	14.81	.5	.	.	.
676	36	41.93	84	28.60	1351.0	68.37	1823.69	1830.92	59.67	13.64	15.71	.5	.	.	.
677	36	42.53	84	29.50	1267.0	69.71	1823.54	1831.79	55.95	12.79	14.73	.5	.	.	.
678	36	43.07	84	28.20	1325.0	69.65	1823.25	1832.56	60.34	15.20	17.23	.5	.	.	.
679	36	43.87	84	28.40	1321.0	70.02	1830.04	1833.72	60.60	15.60	17.62	.5	.	.	.
680	36	44.61	84	28.00	1320.0	70.14	1833.62	1834.76	60.02	15.05	17.07	.5	.	.	.
681	36	41.35	84	28.60	1315.0	68.95	1824.65	1830.09	58.48	13.63	15.59	.5	.	.	.
682	36	40.50	84	27.50	1383.0	67.44	1817.53	1838.86	58.73	11.86	13.78	.5	.	.	.
683	36	39.04	84	26.20	1420.0	65.67	1809.94	1836.76	55.77	7.39	9.57	.5	.	.	.
684	36	38.26	84	26.30	1331.0	65.15	1806.42	1835.64	51.65	4.23	6.38	.5	.	.	.
685	36	37.63	84	26.10	1426.0	64.04	1801.04	1834.73	50.46	1.83	4.07	.5	.	.	.
686	36	35.41	84	26.20	1323.0	62.62	1799.30	1831.54	41.93	3.14	1.12	.5	.	.	.
687	36	34.43	84	26.70	1323.0	62.07	1796.33	1830.13	41.14	4.11	2.07	.5	.	.	.
688	36	33.90	84	27.30	1270.0	63.36	1797.74	1829.32	39.00	5.27	3.33	.5	.	.	.
689	36	32.91	84	27.00	1287.0	62.73	1794.69	1827.94	37.82	6.03	4.06	.5	.	.	.
690	36	32.66	84	27.40	1372.0	61.73	1789.09	1827.58	41.32	5.42	3.32	.5	.	.	.
691	36	32.27	84	28.20	1424.0	60.99	1789.25	1827.02	43.20	5.32	3.14	.5	.	.	.
692	36	31.31	84	29.70	1623.0	58.64	1774.35	1825.64	51.90	3.40	.91	.6	.	.	.
693	36	31.18	84	30.10	1507.0	60.15	1732.17	1825.46	48.49	2.85	.54	.6	.	.	.
694	36	29.01	84	31.00	1423.0	61.43	1788.38	1823.63	49.09	.44	2.83	.5	.	.	.
695	36	30.20	84	32.00	1457.0	61.42	1782.62	1824.05	51.65	2.01	4.24	.5	.	.	.
696	36	29.98	84	31.20	1524.0	60.80	1785.32	1823.73	54.97	3.04	5.36	.6	.	.	.
697	36	29.76	84	34.70	1553.0	60.40	1787.38	1823.42	56.07	3.16	5.54	.6	.	.	.
698	36	30.07	84	35.30	1539.0	59.97	1781.30	1823.85	57.79	3.34	5.78	.6	.	.	.
699	36	30.75	84	36.30	1527.0	61.18	1787.17	1824.84	55.09	3.97	6.31	.6	.	.	.
700	36	31.09	84	36.30	1475.0	61.99	1791.10	1825.33	54.92	4.53	6.79	.5	.	.	.
701	36	31.97	84	36.60	1475.0	62.46	1793.37	1826.59	55.64	5.25	7.61	.5	.	.	.
702	36	32.41	84	37.53	1461.0	62.84	1795.22	1827.22	55.45	5.67	7.91	.5	.	.	.
703	36	32.75	84	38.86	1438.0	63.29	1797.40	1827.71	54.97	5.93	8.13	.5	.	.	.
704	36	33.35	84	38.85	1492.0	62.86	1795.31	1828.58	57.19	6.33	8.62	.6	.	.	.
705	36	39.22	84	31.40	1437.0	60.78	1785.26	1827.64	52.54	1.83	4.15	.5	.	.	.
706	36	28.73	84	32.20	1471.0	60.87	1785.66	1827.01	52.04	1.93	4.18	.5	.	.	.
707	36	27.82	84	32.00	1426.0	60.08	1781.83	1826.63	51.00	.38	2.63	.5	.	.	.
708	36	26.94	84	32.00	1375.0	60.76	1785.13	1826.70	46.73	.49	1.64	.5	.	.	.
709	36	25.70	84	32.30	1385.0	60.35	1782.14	1827.70	46.68	.84	1.29	.5	.	.	.
710	36	22.18	84	23.40	1297.0	58.89	1766.36	1822.53	25.85	18.34	16.35	.5	.	.	.
711	36	21.76	84	23.90	1558.0	57.75	1751.13	1861.03	35.59	17.42	15.04	.6	.	.	.
712	36	21.26	84	23.40	1642.0	51.93	1742.31	1861.21	35.58	20.36	17.85	.6	.	.	.
713	36	20.46	84	23.90	1290.0	55.45	1759.32	1860.06	21.24	22.91	20.93	.5	.	.	.
714	36	17.72	84	22.08	1232.0	53.42	1749.50	1856.15	14.55	23.33	27.33	.5	.	.	.
715	36	17.28	84	21.76	1213.0	53.40	1749.43	1855.46	17.50	27.24	23.23	.5	.	.	.
716	36	17.16	84	20.90	1245.0	53.79	1751.33	1855.33	13.13	29.29	27.38	.5	.	.	.
717	36	13.62	84	20.90	1300.0	52.85	1746.77	1854.56	14.52	29.77	27.78	.5	.	.	.

STA	LAT	LONG	Z	RG/OC	IC	CG	TH	FAC	SHA	DAZ	CC	ICI	ICZ	COAI	CONZ
719	35 16.26	84 20.12	1250.0	53.19	•	1748.42	1658.34	11.58	30.51	29.69	•	•	•	•	•
720	36 15.77	84 21.10	1243.0	53.07	•	1747.80	1657.34	12.13	30.55	29.64	•	•	•	•	•
721	36 15.17	84 20.87	1248.0	52.82	•	1745.60	1652.43	12.82	29.57	27.97	•	•	•	•	•
722	36 14.10	84 19.80	1253.0	50.51	•	1735.30	1650.07	10.40	31.15	29.01	•	•	•	•	•
723	36 13.54	84 19.60	1377.0	50.75	•	1732.18	1839.16	16.27	30.64	28.53	•	•	•	•	•
724	36 12.54	84 19.30	1374.0	50.50	•	1735.92	1848.39	13.44	32.01	29.97	•	•	•	•	•
725	36 11.72	84 20.00	1362.0	50.18	•	1733.42	1847.54	12.58	31.62	29.53	•	•	•	•	•
726	36 10.09	84 20.70	1361.0	49.87	•	1732.80	1846.63	14.40	32.04	29.95	•	•	•	•	•
727	36 10.42	84 20.50	1401.0	49.15	•	1728.87	1845.62	15.00	32.72	30.39	•	•	•	•	•
728	36 09.30	84 21.30	1382.0	48.82	•	1727.27	1844.13	13.72	33.30	31.26	•	•	•	•	•
729	36 09.34	84 22.34	1382.0	47.55	•	1721.66	1842.87	13.10	35.75	33.56	•	•	•	•	•
730	36 08.46	84 23.10	1436.0	47.55	•	1721.66	1842.87	13.10	35.75	33.56	•	•	•	•	•
731	36 07.67	84 23.84	1491.0	46.51	•	1716.09	1841.74	18.32	35.27	32.99	•	•	•	•	•
732	36 07.53	84 25.07	1533.0	46.50	•	1715.07	1841.34	18.54	35.30	31.04	•	•	•	•	•
733	36 07.67	84 25.00	1742.0	46.14	•	1704.53	1841.17	27.81	31.75	29.07	•	•	•	•	•
734	36 06.58	84 26.30	2139.0	46.42	•	1661.63	1840.75	42.12	30.78	27.48	•	•	•	•	•
735	36 06.27	84 26.70	1526.0	46.08	•	1713.93	1839.74	18.70	33.63	31.23	•	•	•	•	•
736	36 05.74	84 27.20	1317.0	45.83	•	1723.53	1838.43	2.80	35.37	33.96	•	•	•	•	•
737	36 02.10	84 11.30	913.0	43.02	•	1698.17	1819.49	34.35	66.25	64.82	•	•	•	•	•
738	36 02.06	84 11.30	999.0	43.02	•	1698.09	1819.49	35.27	66.25	65.02	•	•	•	•	•
739	36 02.06	84 11.30	816.0	43.34	•	1702.54	1818.35	38.57	66.74	65.49	•	•	•	•	•
740	36 01.23	84 10.40	847.0	43.34	•	1700.64	1817.42	37.57	66.25	64.96	•	•	•	•	•
741	36 00.65	84 10.20	897.0	43.02	•	1699.09	1816.38	35.43	67.66	66.40	•	•	•	•	•
742	36 00.78	84 09.30	833.0	42.39	•	1698.55	1816.11	36.79	67.17	65.90	•	•	•	•	•
743	36 46.77	84 09.10	884.0	42.87	•	1701.32	1814.85	25.00	63.77	62.51	•	•	•	•	•
744	36 46.77	84 08.90	821.0	43.48	•	1697.40	1815.15	34.53	64.03	63.27	•	•	•	•	•
745	36 45.10	84 09.50	906.0	42.05	•	1694.44	1812.45	32.71	60.47	59.23	•	•	•	•	•
746	36 46.77	84 09.40	815.0	43.65	•	1702.15	1810.48	29.48	53.75	53.41	•	•	•	•	•
747	36 45.78	84 08.60	883.0	42.74	•	1697.73	1810.48	29.40	54.95	53.59	•	•	•	•	•
748	36 45.73	84 07.80	885.0	42.86	•	1697.35	1810.41	30.09	54.43	53.11	•	•	•	•	•
749	36 45.07	84 07.30	861.0	42.87	•	1698.37	1809.47	30.09	54.43	53.11	•	•	•	•	•
750	36 44.22	84 07.16	817.0	41.50	•	1651.72	1808.23	27.06	59.71	56.11	•	•	•	•	•
751	36 43.55	84 06.15	993.0	42.47	•	1696.43	1807.50	27.06	57.48	56.11	•	•	•	•	•
752	36 43.05	84 05.03	1119.0	39.87	•	1653.52	1807.49	18.93	57.02	55.30	•	•	•	•	•
753	36 44.40	84 04.43	1120.0	41.35	•	1653.61	1808.31	17.53	55.63	53.97	•	•	•	•	•
754	36 44.65	84 02.83	1041.0	41.35	•	1650.39	1808.31	19.51	55.38	53.78	•	•	•	•	•
755	36 44.47	84 02.83	921.0	42.73	•	1697.49	1809.18	23.30	55.62	54.20	•	•	•	•	•
756	36 43.10	84 01.30	427.0	42.80	•	1698.03	1809.34	24.71	56.18	54.77	•	•	•	•	•
757	36 42.32	84 00.17	102.0	42.90	•	1698.31	1809.13	25.85	56.44	55.04	•	•	•	•	•
758	36 42.37	84 00.17	1004.0	42.67	•	1692.55	1808.47	21.46	55.67	54.13	•	•	•	•	•
759	36 44.05	84 00.10	914.0	41.81	•	1693.27	1808.60	19.83	54.35	52.97	•	•	•	•	•
760	36 44.05	84 00.10	976.0	42.86	•	1697.35	1809.24	19.80	53.28	51.70	•	•	•	•	•
771	36 44.57	84 57.60	924.0	42.35	•	1695.84	1809.76	20.34	53.86	52.36	•	•	•	•	•
772	36 44.00	84 57.63	1049.0	41.32	•	1690.85	1807.54	19.40	54.14	52.53	•	•	•	•	•
773	36 43.40	84 56.21	1026.0	41.12	•	1693.82	1807.93	20.30	55.64	54.07	•	•	•	•	•
774	36 42.38	84 54.90	952.0	41.34	•	1690.34	1806.72	24.19	56.56	55.45	•	•	•	•	•
775	36 42.38	84 54.90	1044.0	42.10	•	1694.63	1823.16	35.31	70.67	69.20	•	•	•	•	•
776	36 42.38	84 54.90	1044.0	42.10	•	1694.63	1823.16	35.31	70.67	69.20	•	•	•	•	•
777	36 42.38	84 54.90	1056.0	42.10	•	1694.63	1823.16	35.31	70.67	69.20	•	•	•	•	•
778	36 42.38	84 54.90	1056.0	42.10	•	1694.63	1823.16	35.31	70.67	69.20	•	•	•	•	•
779	36 42.38	84 54.90	1056.0	42.10	•	1694.63	1823.16	35.31	70.67	69.20	•	•	•	•	•
780	36 42.38	84 54.90	1056.0	42.10	•	1694.63	1823.16	35.31	70.67	69.20	•	•	•	•	•

STA	LAT	LONG	E	NS/OS	TC	OS	FIN	FAA	BA1	BA2	CC	TC1	TC2	CSA1	CBA2
780	36 03.00	83 15.53	1034.0	44.29	.	1705.25	1835.06	32.53-	67.76-	66.17-	.4	.	.	.	.
781	36 03.67	83 15.62	1086.0	44.79	.	1707.83	1856.02	31.02-	68.01-	66.35-	.4	.	.	.	.
782	36 04.30	83 15.74	1088.0	44.15	.	1704.57	1856.02	29.99-	67.06-	65.39-	.4	.	.	.	.
E783	36 05.24	83 15.90	1072.0	44.88	.	1708.11	1853.26	29.30-	65.82-	64.18-	.4	.	.	.	.
784	36 05.79	83 16.80	1163.0	44.12	.	1704.42	1835.05	25.20-	64.83-	63.05-	.4	.	.	.	.
785	36 06.45	83 17.20	1140.0	44.58	.	1706.66	1840.01	26.10-	64.94-	63.19-	.4	.	.	.	.
E786	36 06.77	83 17.20	1195.0	44.22	.	1704.91	1840.45	23.12-	63.83-	62.00-	.4	.	.	.	.
787	36 07.26	83 17.00	1282.0	43.50	.	1701.42	1842.01	19.98-	63.66-	61.69-	.5	.	.	.	.
788	36 08.36	83 17.00	1210.0	45.13	.	1709.33	1843.59	20.42-	61.64-	59.79-	.4	.	.	.	.
789	36 09.52	83 16.50	1366.0	43.20	.	1699.97	1844.39	15.90-	62.44-	60.35-	.5	.	.	.	.
790	36 17.56	83 35.70	1404.0	45.99	.	1713.50	1855.91	10.32-	58.15-	56.05-	.5	.	.	.	.
791	36 18.75	83 35.20	1278.0	47.55	.	1721.06	1857.61	16.32-	59.86-	57.90-	.5	.	.	.	.
792	36 18.93	83 37.30	1233.0	48.44	.	1725.38	1857.87	16.49-	58.50-	56.61-	.5	.	.	.	.
793	36 19.64	83 38.10	1073.0	50.50	.	1735.27	1858.89	22.10-	58.83-	57.16-	.4	.	.	.	.
794	36 17.18	83 36.80	1362.0	46.41	.	1715.52	1858.26	11.69-	58.10-	56.01-	.5	.	.	.	.
795	36 16.26	83 38.50	1299.0	46.98	.	1718.30	1854.04	13.53-	57.79-	55.80-	.5	.	.	.	.
796	36 15.92	83 39.00	1223.0	47.53	.	1720.97	1853.57	16.13-	58.31-	56.41-	.5	.	.	.	.
E797	36 14.43	83 38.70	1722.0	42.45	.	1696.33	1851.45	6.89	51.78-	49.14-	.6	.	.	.	.
798	36 14.26	83 37.30	957.0	50.35	.	1734.64	1851.35	26.47-	59.08-	57.61-	.4	.	.	.	.
799	36 14.62	83 36.30	938.0	50.35	.	1734.64	1851.69	28.80-	60.76-	59.32-	.3	.	.	.	.
800	36 14.26	83 35.40	1098.0	48.59	.	1725.11	1851.18	21.67-	59.11-	57.43-	.4	.	.	.	.
801	36 13.72	83 34.70	1180.0	47.69	.	1721.74	1850.40	17.65-	57.85-	56.04-	.4	.	.	.	.
802	36 13.00	83 34.00	1193.0	48.66	.	1726.45	1849.37	10.68-	51.33-	49.50-	.4	.	.	.	.
803	36 12.32	83 33.60	1090.0	48.84	.	1727.32	1849.13	19.26-	56.39-	54.73-	.4	.	.	.	.
804	36 12.30	83 33.20	951.0	49.89	.	1732.41	1848.37	22.72-	56.49-	54.97-	.4	.	.	.	.
805	36 11.67	83 32.60	1137.0	47.84	.	1722.47	1847.18	17.74-	56.48-	54.74-	.4	.	.	.	.
806	36 11.07	83 31.60	990.0	49.47	.	1730.37	1846.61	23.10-	56.83-	55.31-	.4	.	.	.	.
807	36 11.39	83 30.80	1130.0	47.75	.	1722.23	1847.05	18.51-	57.01-	55.28-	.4	.	.	.	.
808	36 11.19	83 29.90	1145.0	47.46	.	1720.63	1846.76	18.41-	57.42-	55.67-	.4	.	.	.	.
809	36 10.47	83 30.10	963.0	49.05	.	1728.34	1845.75	24.93-	58.42-	56.91-	.4	.	.	.	.
810	36 07.29	83 30.30	1080.0	47.33	.	1720.00	1841.20	19.59-	56.38-	54.73-	.4	.	.	.	.
811	36 07.26	83 29.40	1169.0	46.08	.	1713.93	1841.15	17.24-	57.07-	55.28-	.4	.	.	.	.
812	36 06.78	83 29.30	1202.0	45.50	.	1711.12	1840.47	16.26-	57.21-	55.37-	.4	.	.	.	.
813	36 06.08	83 29.00	1297.0	44.08	.	1704.23	1839.46	13.21-	57.40-	55.41-	.5	.	.	.	.
814	36 05.34	83 28.43	1364.0	42.51	.	1696.62	1838.41	11.56-	58.73-	56.61-	.5	.	.	.	.
815	36 04.87	83 28.30	1420.0	41.93	.	1693.81	1837.73	10.33-	58.71-	56.53-	.5	.	.	.	.
816	36 04.31	83 28.60	1343.0	42.65	.	1697.30	1836.93	13.28-	59.04-	56.98-	.5	.	.	.	.
817	36 03.74	83 28.70	1283.0	43.42	.	1701.03	1836.12	14.38-	58.09-	56.13-	.5	.	.	.	.
818	35 56.37	85 01.20	1836.0	41.48	.	1691.62	1825.59	38.77	23.78-	20.97-	.7	.	.	.	.
819	35 55.74	85 00.50	1823.0	41.53	.	1691.87	1824.69	38.69	23.41-	20.62-	.7	.	.	.	.
820	35 55.35	85 00.10	1808.0	41.74	.	1692.00	1824.10	38.85	22.75-	19.98-	.7	.	.	.	.
821	35 54.79	84 59.60	1715.0	42.88	.	1693.41	1823.20	36.56	21.87-	19.25-	.6	.	.	.	.
822	35 54.26	83 59.00	1847.0	41.43	.	1691.36	1822.57	42.57	20.35-	17.82-	.7	.	.	.	.
823	35 54.17	83 59.30	1852.0	41.17	.	1690.12	1822.45	41.91	21.13-	18.35-	.7	.	.	.	.
824	35 53.37	83 58.90	1879.0	39.90	.	1683.96	1821.30	39.44	24.58-	21.70-	.7	.	.	.	.
825	35 52.58	85 00.00	1971.0	38.46	.	1676.93	1820.18	42.24	24.91-	21.90-	.7	.	.	.	.
826	35 51.68	84 59.50	1939.0	38.77	.	1676.48	1818.89	42.01	24.05-	21.08-	.7	.	.	.	.
827	35 50.63	84 59.30	1737.0	40.48	.	1688.77	1817.59	32.60	26.38-	23.72-	.6	.	.	.	.
828	35 48.86	85 00.10	1825.0	36.67	.	1665.30	1814.87	26.07	36.45-	33.64-	.7	.	.	.	.
829	35 48.29	85 00.40	1560.0	38.77	.	1678.48	1813.93	11.32	41.83-	39.44-	.6	.	.	.	.
830	35 47.52	85 00.80	1189.0	42.32	.	1695.70	1812.96	5.40-	45.91-	44.08-	.4	.	.	.	.

STA	LAT	LONG	C	RG/OG	TC	OG	FT.1	FAA	BA1	BA2	CC	TC1	TC2	CBA1	CBA2
883	35 42.68	84 01.71	1035.0	40.85	.	1688.57	1805.99	20.05-	55.31-	53.72-	.4	.	.	.	.
884	35 43.13	84 00.64	1118.0	29.99	.	1684.40	1805.70	17.12-	55.21-	53.50-	.4	.	.	.	.
895	36 12.73	83 17.90	1350.0	45.00	.	1709.70	1843.98	13.28-	59.27-	57.20-	.5	.	.	.	.
886	36 11.97	83 20.40	1330.0	45.08	.	1709.08	1847.90	13.69-	59.00-	56.96-	.5	.	.	.	.
887	36 11.38	83 21.30	1271.0	45.63	.	1711.99	1847.05	15.46-	58.79-	56.84-	.5	.	.	.	.
888	36 10.53	83 22.90	1299.0	45.19	.	1709.62	1843.98	14.15-	58.40-	56.41-	.5	.	.	.	.
889	36 09.65	83 23.70	1256.0	45.47	.	1710.97	1844.57	15.44-	58.23-	56.31-	.5	.	.	.	.
8890	36 09.46	83 25.20	1270.0	45.26	.	1709.96	1844.30	14.86-	58.13-	56.18-	.5	.	.	.	.
891	36 08.48	83 26.70	1154.0	46.65	.	1716.70	1842.90	17.63-	56.95-	55.18-	.4	.	.	.	.
892	36 07.35	83 29.70	1249.0	45.14	.	1709.37	1842.00	15.12-	57.67-	55.76-	.5	.	.	.	.
893	36 06.24	83 33.10	1067.0	47.31	.	1719.90	1839.69	19.41-	55.76-	54.13-	.4	.	.	.	.
894	36 05.72	83 35.10	988.0	48.44	.	1725.38	1838.95	20.90-	54.46-	52.95-	.4	.	.	.	.
895	36 05.51	83 36.00	959.0	48.89	.	1727.56	1838.65	21.43-	53.90-	52.44-	.4	.	.	.	.
896	36 05.03	83 37.10	935.0	48.93	.	1727.85	1837.96	22.15-	54.00-	52.57-	.3	.	.	.	.
897	36 04.56	83 38.10	924.0	48.99	.	1728.05	1837.43	22.45-	53.93-	52.52-	.3	.	.	.	.
898	36 04.35	83 39.20	922.0	48.92	.	1727.71	1837.03	22.58-	53.99-	52.58-	.3	.	.	.	.
899	36 04.18	83 40.20	921.0	48.90	.	1727.61	1836.75	22.49-	53.87-	52.46-	.3	.	.	.	.
900	36 03.73	83 41.50	890.0	49.40	.	1730.04	1836.17	22.40-	52.72-	51.36-	.2	.	.	.	.
901	36 01.50	83 44.50	1010.0	46.87	.	1717.76	1832.91	20.13-	54.34-	53.00-	.4	.	.	.	.
902	36 01.58	83 45.80	974.0	46.95	.	1718.35	1832.74	22.76-	55.94-	54.45-	.4	.	.	.	.
903	36 01.18	83 47.70	955.0	47.19	.	1719.32	1832.46	23.29-	55.83-	54.36-	.4	.	.	.	.
904	36 01.10	83 48.70	954.0	47.42	.	1720.43	1832.24	22.16-	54.66-	53.20-	.4	.	.	.	.
905	36 00.23	83 48.40	834.0	48.77	.	1726.98	1831.10	25.66-	54.07-	52.79-	.3	.	.	.	.
906	36 00.42	83 51.00	861.0	48.14	.	1723.92	1831.37	26.45-	55.78-	54.46-	.3	.	.	.	.
907	36 00.90	84 07.20	853.0	49.52	.	1730.62	1840.64	29.77-	58.83-	57.52-	.3	.	.	.	.
908	36 07.65	84 05.60	828.0	49.98	.	1732.95	1841.71	20.96-	59.17-	57.90-	.3	.	.	.	.
909	36 09.10	84 05.30	900.0	49.73	.	1731.64	1843.79	27.47-	58.14-	56.76-	.3	.	.	.	.
910	36 12.60	84 01.10	1025.0	49.64	.	1731.20	1840.80	21.17-	56.09-	54.52-	.4	.	.	.	.
911	36 14.15	83 59.24	1082.0	49.75	.	1731.64	1851.03	17.60-	54.46-	52.80-	.4	.	.	.	.
912	36 14.21	83 58.00	1032.0	50.04	.	1733.14	1851.10	20.87-	56.83-	54.45-	.4	.	.	.	.
913	36 14.21	83 56.24	1039.0	49.46	.	1730.42	1851.10	22.94-	58.33-	56.74-	.4	.	.	.	.
914	36 14.10	83 55.49	1394.0	45.04	.	1708.89	1850.95	10.91-	58.40-	56.27-	.5	.	.	.	.
915	36 13.65	83 55.29	1193.0	47.51	.	1720.87	1850.36	17.25-	57.90-	56.07-	.4	.	.	.	.
916	36 13.04	83 55.24	1056.0	48.40	.	1725.13	1849.43	24.89-	60.87-	59.25-	.4	.	.	.	.
917	36 11.94	83 54.91	1068.0	47.69	.	1721.74	1847.65	29.75-	60.32-	59.15-	.4	.	.	.	.
918	36 11.48	83 53.43	1029.0	47.83	.	1722.42	1847.19	27.97-	63.02-	61.45-	.4	.	.	.	.
919	36 12.45	83 52.40	1061.0	48.10	.	1723.73	1849.58	25.03-	61.18-	59.56-	.4	.	.	.	.
920	36 12.86	83 51.80	1110.0	47.73	.	1721.94	1849.17	22.80-	60.62-	59.92-	.4	.	.	.	.
921	36 13.69	83 50.30	1213.0	47.01	.	1718.44	1850.36	17.60-	59.13-	57.27-	.5	.	.	.	.
922	36 14.17	83 49.70	1176.0	47.74	.	1721.92	1851.05	18.43-	58.49-	56.69-	.4	.	.	.	.
923	36 14.66	83 48.50	1199.0	47.58	.	1721.21	1851.75	17.74-	58.59-	56.79-	.4	.	.	.	.
924	36 15.07	83 47.90	1217.0	47.58	.	1721.21	1852.24	16.63-	58.09-	56.23-	.5	.	.	.	.
925	36 15.67	83 42.20	1202.0	46.68	.	1716.64	1853.20	14.80-	58.82-	56.84-	.5	.	.	.	.
926	36 16.91	83 40.20	1360.0	46.40	.	1715.49	1854.97	11.53-	57.87-	55.79-	.5	.	.	.	.
927	36 19.42	83 36.10	1213.0	48.97	.	1727.95	1858.57	16.50-	57.83-	55.97-	.5	.	.	.	.
928	36 20.22	83 34.70	1131.0	50.79	.	1736.72	1859.72	16.54-	55.37-	53.34-	.4	.	.	.	.
929	36 19.55	83 32.40	1776.0	42.19	.	1695.07	1858.76	3.40-	57.11-	54.39-	.7	.	.	.	.
930	36 19.64	83 30.80	1376.0	47.70	.	1721.79	1858.89	7.64-	54.52-	52.42-	.5	.	.	.	.
931	36 20.12	83 29.82	1251.0	49.35	.	1729.79	1859.58	12.09-	54.71-	52.80-	.5	.	.	.	.
932	36 20.42	83 28.71	1369.0	48.01	.	1729.29	1860.01	7.92-	54.56-	52.47-	.5	.	.	.	.
933	36 20.69	83 27.58	1365.0	48.18	.	1724.12	1860.39	7.85-	54.36-	52.27-	.5	.	.	.	.

S/A	LA	LS		AG/OG	TC	OG	FI	FPA	GL	GA2	CC	FCL	TC2	CBAL	CSA2
934 26	21.00	85 26.92	1354.0	48.55	.	1725.91	1860.84	7.54-	53.67-	51.60-	.5
935 26	21.27	83 25.70	1354.0	48.51	.	1725.72	1861.23	8.12-	54.25-	52.18-	.5

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