

Venus Express VeRa Occultation Season 13

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SZA	LTST	radius	equipot
1	2167	579	87	2012-03-27	E	05:51:24	06:59:17	32	129.8	70.0	263.9	112.25	23.27	6051.8	6051.8
2	2167	579	87	2012-03-27	I	05:51:24	06:59:17	32	125.3	55.3	263.9	127.07	23.57	6051.8	6051.8
3	2168	580	88	2012-03-28	E	05:49:39	06:57:59	32	133.2	71.7	265.5	110.55	23.25	6051.8	6051.8
4	2168	580	88	2012-03-28	I	05:49:39	06:57:59	32	127.8	51.3	265.5	131.10	23.61	6051.8	6051.8
5	2169	581	89	2012-03-29	E	05:47:53	06:56:44	32	139.1	72.6	267.1	109.51	23.06	6051.8	6051.8
6	2169	581	89	2012-03-29	I	05:47:53	06:56:44	32	129.5	46.6	267.1	135.90	23.70	6051.8	6051.8
7	2170	582	90	2012-03-30	I	05:46:08	06:27:05	32	131.4	42.4	268.8	140.09	23.78	6051.8	6051.8
8	2171	583	91	2012-03-31	E	05:43:51	06:54:06	32	147.2	75.2	270.4	106.87	22.94	6051.8	6051.8
9	2171	583	91	2012-03-31	I	05:44:21	06:54:16	32	133.4	38.6	270.4	143.97	23.86	6051.8	6051.8
10	2172	584	92	2012-04-01	I	05:42:34	06:23:53	32	135.4	35.0	272.0	147.58	23.93	6051.8	6051.8
11	2173	585	93	2012-04-02	E	05:40:47	06:51:39	32	155.1	76.9	273.6	105.11	22.83	6051.8	6051.8
12	2173	585	93	2012-04-02	I	05:40:47	06:51:39	32	137.5	31.6	273.6	151.01	24.00	6051.8	6051.8
13	2174	586	94	2012-04-03	I	05:38:59	06:20:42	32	139.6	28.4	275.2	154.24	0.06	6051.8	6051.8
14	2176	587	96	2012-04-05	E	05:35:24	06:47:51	32	166.7	78.7	278.5	103.26	22.67	6051.8	6051.8
15	2176	587	96	2012-04-05	I	05:35:24	06:47:51	32	143.8	22.2	278.5	160.19	0.20	6051.8	6051.8
16	2180	589	100	2012-04-09	E	05:28:15	06:42:47	32	182.0	80.2	285.0	101.56	22.48	6051.8	6051.8
17	2180	589	100	2012-04-09	I	05:28:15	06:42:47	32	152.3	11.1	285.0	169.09	0.46	6051.8	6051.8
18	2182	590	102	2012-04-11	I	05:24:41	06:08:01	32	156.5	6.0	288.2	170.51	0.59	6051.8	6051.8
19	2184	591	104	2012-04-13	E	05:21:11	06:37:44	32	196.8	81.2	291.5	100.39	22.32	6051.8	6051.8
20	2184	591	104	2012-04-13	I	05:21:11	06:37:44	32	160.7	1.2	291.4	169.09	0.72	6051.8	6051.8
21	2186	592	106	2012-04-15	E	05:17:12	06:35:52	32	203.8	81.6	294.7	99.95	22.26	6051.8	6051.8
22	2186	592	106	2012-04-15	I	05:17:42	06:35:57	32	164.8	-3.2	294.7	165.94	0.86	6051.8	6051.8
23	2188	593	108	2012-04-17	E	05:14:15	06:32:37	32	210.8	81.9	297.9	99.56	22.21	6051.8	6051.8
24	2188	593	108	2012-04-17	I	05:14:15	06:32:37	32	168.9	-7.4	297.9	162.15	1.00	6051.8	6051.8
25	2190	594	110	2012-04-19	I	05:10:52	05:55:47	32	173.0	-11.4	301.1	158.19	1.14	6051.8	6051.8
26	2192	595	112	2012-04-21	E	05:07:31	06:27:34	32	224.0	82.4	304.4	98.93	22.16	6051.8	6051.8
27	2192	595	112	2012-04-21	I	05:07:31	06:27:34	32	177.0	-15.1	304.4	154.26	1.29	6051.8	6051.8
28	2194	596	114	2012-04-23	I	05:04:14	05:49:51	32	180.9	-18.5	307.6	150.43	1.44	6051.8	6051.8
29	2196	597	116	2012-04-25	E	05:00:30	06:22:23	32	236.1	82.7	310.8	98.46	22.17	6051.8	6051.8
30	2196	597	116	2012-04-25	I	05:01:00	06:22:28	32	184.8	-21.7	310.8	146.75	1.59	6051.8	6051.8
31	2198	599	118	2012-04-27	E	04:57:50	06:19:57	32	241.7	82.8	314.1	98.28	22.22	6051.8	6051.8
32	2198	599	118	2012-04-27	I	04:57:50	06:19:57	32	188.6	-24.6	314.0	143.23	1.75	6051.8	6051.8
33	2200	601	120	2012-04-29	E	04:54:44	06:17:22	32	246.9	83.0	317.3	98.11	22.28	6051.8	6051.8
34	2200	601	120	2012-04-29	I	04:54:44	06:17:22	32	192.4	-27.3	317.3	139.90	1.91	6051.8	6051.8
35	2201	602	121	2012-04-30	E	04:53:22	06:16:42	32	249.4	83.0	318.9	98.03	22.32	6051.8	6051.8
36	2201	602	121	2012-04-30	I	04:53:52	06:16:46	32	194.2	-28.5	318.9	138.30	1.99	6051.8	6051.8
37	2202	603	122	2012-05-01	E	04:51:41	06:14:57	32	251.9	83.1	320.5	97.95	22.36	6051.8	6051.8
38	2202	603	122	2012-05-01	I	04:51:41	06:14:57	32	196.1	-29.7	320.5	136.75	2.08	6051.8	6051.8
39	2204	605	124	2012-05-03	E	04:48:11	06:12:12	32	256.6	83.2	323.7	97.81	22.46	6051.8	6051.8
40	2204	605	124	2012-05-03	I	04:48:41	06:12:17	32	199.7	-31.8	323.7	133.78	2.25	6051.8	6051.8
41	2205	606	125	2012-05-04	E	04:47:13	06:10:57	32	258.8	83.3	325.3	97.73	22.52	6051.8	6051.8
42	2205	606	125	2012-05-04	I	04:47:13	06:10:57	32	201.4	-32.8	325.3	132.36	2.34	6051.8	6051.8
43	2206	607	126	2012-05-05	E	04:45:16	06:09:53	32	260.9	83.3	326.9	97.66	22.58	6051.8	6051.8
44	2206	607	126	2012-05-05	I	04:45:46	06:09:57	32	203.2	-33.7	326.9	130.99	2.43	6051.8	6051.8
45	2208	609	128	2012-05-07	I	04:34:45	05:21:58	32	206.6	-35.2	330.1	128.38	2.61	6051.8	6051.8
46	2209	610	129	2012-05-08	I	04:27:04	05:14:05	32	208.5	-34.4	331.7	128.09	2.68	6051.8	6051.8
47	2210	611	130	2012-05-09	E	04:22:59	05:48:31	32	250.5	81.2	333.4	99.93	0.10	6051.8	6051.8
48	2210	611	130	2012-05-09	I	04:22:59	05:48:31	32	210.2	-35.0	333.3	126.86	2.78	6051.8	6051.8
49	2211	612	131	2012-05-10	I	04:18:56	05:06:04	32	211.9	-35.5	334.9	125.67	2.87	6051.8	6051.8
50	2212	613	132	2012-05-11	I	04:14:53	05:02:05	32	213.5	-35.9	336.5	124.52	2.97	6051.8	6051.8
51	2213	614	133	2012-05-12	E	04:10:22	05:36:37	32	254.9	81.4	338.1	99.49	0.42	6051.8	6051.8
52	2213	614	133	2012-05-12	I	04:10:52	05:36:42	32	215.2	-36.2	338.1	123.40	3.06	6051.8	6051.8
53	2214	615	134	2012-05-13	I	04:06:51	04:54:07	32	216.8	-36.5	339.7	122.32	3.16	6051.8	6051.8
54	2215	616	135	2012-05-14	I	04:02:51	04:50:08	32	218.4	-36.6	341.3	121.26	3.26	6051.8	6051.8
55	2216	617	136	2012-05-15	E	03:58:24	05:24:48	32	258.0	81.6	342.9	99.02	0.83	6051.8	6051.8
56	2216	617	136	2012-05-15	I	03:58:54	05:24:53	32	219.9	-36.7	342.9	120.22	3.36	6051.8	6051.8
57	2217	618	137	2012-05-16	I	03:54:56	04:42:15	32	221.5	-36.6	344.5	119.20	3.46	6051.8	6051.8
58	2218	619	138	2012-05-17	I	03:50:59	04:38:18	32	223.0	-36.5	346.1	118.18	3.56	6051.8	6051.8
59	2219	620	139	2012-05-18	E	03:47:05	05:13:04	32	259.8	81.6	347.7	98.49	1.32	6051.8	6051.8
60	2219	620	139	2012-05-18	I	03:47:05	05:13:04	32	224.5	-36.2	347.7	117.18	3.67	6051.8	6051.8
61	2220	621	140	2012-05-19	I	03:43:10	04:30:27	32	226.0	-35.9	349.3	116.17	3.77	6051.8	6051.8
62	2221	622	141	2012-05-20	I	03:39:18	04:26:34	32	227.5	-35.4	350.9	115.16	3.88	6051.8	6051.8
63	2222	623	142	2012-05-21	E	03:35:26	05:01:15	32	260.3	81.5	352.5	97.85	1.90	6051.8	6051.8
64	2222	623	142	2012-05-21	I	03:35:26	05:01:15	32	228.9	-34.8	352.5	114.12	3.99	6051.8	6051.8
65	2223	624	143	2012-05-22	I	03:31:06	04:18:43	32	230.3	-34.2	354.1	113.06	4.10	6051.8	6051.8
66	2224	625	144	2012-05-23	I	03:27:47	04:14:56	32	231.7	-33.4	355.7	111.98	4.21	6051.8	6051.8
67	2226	626	146	2012-05-25	E	03:19:43	04:45:26	32	259.2	81.0	358.9	96.72	2.80	6051.8	6051.8
68	2226	626	146	2012-05-25	I	03:20:13	04:45:31	32	234.3	-31.5	358.9	109.66	4.45	6051.8	6051.8
69	2228	627	148	2012-05-27	I	03:12:46	03:59:35	32	236.8	-29.2	2.0	107.12	4.69	6051.8	6051.8
70	2230	628	150	2012-05-29	E	03:04:54	04:29:44	32	256.6	80.2	5.3	95.15	3.78	6051.8	6051.8
71	2230	628	150	2012-05-29	I	03:05:24	04:29:48	32	239.2	-26.5	5.2	104.30	4.94	6051.8	6051.8
72	2232	629	152	2012-05-31	I	02:58:08	03:44:29	32	241.4	-23.4	8.4	101.16	5.20	6051.8	6051.8

73	2234	630	154	2012-06-02	E	02:50:59	04:14:07	32	253.9	78.8	11.6	92.99	4.78	6051.8	6051.8
74	2234	630	154	2012-06-02	I	02:50:59	04:14:07	32	243.6	-20.0	11.6	97.68	5.47	6051.8	6051.8
75	2240	632	160	2012-06-08	I	02:29:59	03:14:52	32	249.3	-8.2	21.1	85.52	6.31	6051.8	6051.8
76	2243	633	163	2012-06-11	E	02:19:38	03:38:56	32	251.7	73.6	25.9	85.66	6.77	6051.8	6051.8
77	2243	633	163	2012-06-11	I	02:19:38	03:38:56	32	252.0	-1.9	25.9	78.90	6.74	6051.8	6051.8
78	2246	634	166	2012-06-14	I	02:09:14	02:53:04	32	254.7	4.4	30.6	72.37	7.17	6051.8	6051.8
79	2248	635	168	2012-06-16	E	02:02:16	03:19:28	32	253.7	69.8	33.8	80.32	7.65	6051.8	6051.8
80	2248	635	168	2012-06-16	I	02:02:16	03:19:28	32	256.6	8.3	33.8	68.22	7.45	6051.8	6051.8
81	2250	636	170	2012-06-18	I	01:55:12	02:36:19	32	258.6	12.0	36.9	64.31	7.73	6051.8	6051.8
82	2252	637	172	2012-06-20	E	01:48:03	03:03:58	32	256.9	66.9	40.1	75.79	8.25	6051.8	6051.8
83	2252	637	172	2012-06-20	I	01:48:03	03:03:58	32	260.7	15.2	40.1	60.71	8.00	6051.8	6051.8
84	2254	638	174	2012-06-22	I	01:40:47	02:20:31	32	263.0	17.9	43.3	57.39	8.25	6051.8	6051.8
85	2255	639	175	2012-06-23	E	01:37:06	02:52:22	32	260.1	65.0	44.9	72.55	8.65	6051.8	6051.8
86	2255	639	175	2012-06-23	I	01:37:06	02:52:22	32	264.1	19.1	44.8	55.82	8.38	6051.8	6051.8
87	2256	640	176	2012-06-24	E	01:33:24	02:43:29	32	261.2	64.5	46.4	71.55	8.78	6051.8	6051.8
88	2256	640	176	2012-06-24	I	01:33:24	02:43:29	32	265.4	20.1	46.4	54.31	8.50	6051.8	6051.8
89	2257	641	177	2012-06-25	E	01:29:40	02:39:37	32	262.4	64.1	48.0	70.61	8.91	6051.8	6051.8
90	2257	641	177	2012-06-25	I	01:29:40	02:39:37	32	266.6	20.8	48.0	52.85	8.62	6051.8	6051.8
91	2258	642	178	2012-06-26	E	01:25:54	02:35:46	32	263.6	63.8	49.6	69.76	9.03	6051.8	6051.8
92	2258	642	178	2012-06-26	I	01:25:54	02:35:46	32	268.0	21.4	49.6	51.41	8.74	6051.8	6051.8
93	2259	643	179	2012-06-27	E	01:22:05	02:31:54	32	264.9	63.6	51.2	68.98	9.15	6051.8	6051.8
94	2259	643	179	2012-06-27	I	01:22:05	02:31:54	32	269.3	21.8	51.2	49.98	8.85	6051.8	6051.8
95	2260	644	180	2012-06-28	E	01:18:15	02:28:03	32	266.2	63.5	52.8	68.31	9.27	6051.8	6051.8
96	2260	644	180	2012-06-28	I	01:18:15	02:28:03	32	270.8	21.9	52.7	48.56	8.96	6051.8	6051.8
97	2261	645	181	2012-06-29	E	01:14:23	02:24:12	32	267.5	63.5	54.3	67.73	9.38	6051.8	6051.8
98	2261	645	181	2012-06-29	I	01:14:23	02:24:12	32	272.2	21.9	54.3	47.13	9.06	6051.8	6051.8
99	2262	646	182	2012-06-30	E	01:10:30	02:20:21	32	268.8	63.6	55.9	67.27	9.50	6051.8	6051.8
100	2262	646	182	2012-06-30	I	01:10:30	02:20:21	32	273.8	21.6	55.9	45.68	9.16	6051.8	6051.8
101	2263	647	183	2012-07-01	E	01:16:56	02:13:01	32	270.2	63.8	57.5	66.91	9.61	6051.8	6051.8
102	2263	647	183	2012-07-01	I	01:16:56	02:13:01	32	275.4	21.1	57.5	44.21	9.26	6051.8	6051.8
103	2264	648	184	2012-07-02	E	00:59:04	02:09:06	32	271.6	64.1	59.1	66.65	9.72	6051.8	6051.8
104	2264	648	184	2012-07-02	I	00:59:04	02:09:06	32	277.0	20.5	59.0	42.72	9.36	6051.8	6051.8
105	2265	649	185	2012-07-03	E	00:55:01	02:10:11	32	272.9	64.5	60.6	66.50	9.83	6051.8	6051.8
106	2265	649	185	2012-07-03	I	00:55:01	02:10:11	32	278.7	19.6	60.6	41.21	9.45	6051.8	6051.8
107	2266	650	186	2012-07-04	E	00:50:55	02:01:16	32	274.4	65.0	62.2	66.44	9.94	6051.8	6051.8
108	2266	650	186	2012-07-04	I	00:50:55	02:01:16	32	280.4	18.6	62.2	39.68	9.54	6051.8	6051.8
109	2268	608	188	2012-07-06	I	00:42:38	01:25:49	32	284.0	16.2	65.3	36.60	9.70	6051.8	6051.8
110	2270	651	190	2012-07-08	E	00:34:16	01:45:36	32	280.1	67.3	68.5	67.01	10.37	6051.8	6051.8
111	2270	651	190	2012-07-08	I	00:34:16	01:45:36	32	287.8	13.3	68.5	33.55	9.86	6051.8	6051.8
112	2272	652	192	2012-07-10	I	00:25:46	01:09:31	32	291.7	10.1	71.7	30.66	10.01	6051.8	6051.8
113	2274	653	194	2012-07-12	I	00:17:12	01:02:09	32	295.7	6.6	74.8	28.05	10.14	6051.8	6051.8
114	2276	654	196	2012-07-14	I	00:08:34	00:53:04	32	299.9	2.8	78.0	25.89	10.27	6051.8	6051.8
115	2278	655	198	2012-07-16	E	00:03:39	01:18:05	32	292.3	72.5	81.1	70.32	11.19	6051.8	6051.8
116	2278	655	198	2012-07-16	I	00:03:39	01:18:05	32	304.2	-1.1	81.1	24.36	10.39	6051.8	6051.8
117	2280	656	200	2012-07-18	I	00:02:27	00:47:48	32	308.6	-5.1	84.3	23.63	10.51	6051.8	6051.8
118	2282	657	202	2012-07-20	E	00:01:12	01:17:35	32	298.6	74.9	87.5	72.38	11.59	6051.8	6051.8
119	2282	657	202	2012-07-20	I	00:01:12	01:17:35	32	313.1	-9.3	87.4	23.82	10.62	6051.8	6051.8
120	2284	658	203	2012-07-21	E	23:59:57	01:22:18	32	301.8	76.0	90.6	73.43	11.78	6051.8	6051.8
121	2284	658	203	2012-07-21	I	23:59:57	01:22:18	32	317.6	-13.5	90.6	24.90	10.72	6051.8	6051.8
122	2286	659	205	2012-07-23	E	23:58:40	01:22:07	32	305.0	77.1	93.8	74.47	11.98	6051.8	6051.8
123	2286	659	205	2012-07-23	I	23:58:40	01:22:07	32	322.2	-17.8	93.8	26.79	10.82	6051.8	6051.8
124	2288	660	207	2012-07-25	E	23:57:23	01:21:43	32	308.2	78.1	97.0	75.51	12.17	6051.8	6051.8
125	2288	660	207	2012-07-25	I	23:57:23	01:21:43	32	326.9	-22.1	96.9	29.32	10.92	6051.8	6051.8
126	2290	661	209	2012-07-27	E	23:56:07	01:13:39	32	311.3	79.0	100.1	76.51	12.37	6051.8	6051.8
127	2290	661	209	2012-07-27	I	23:56:07	01:13:39	32	331.7	-26.4	100.1	32.35	11.01	6051.8	6051.8
128	2292	662	211	2012-07-29	E	23:54:51	01:21:10	32	314.5	79.9	103.3	77.48	12.57	6051.8	6051.8
129	2292	662	211	2012-07-29	I	23:54:51	01:21:10	32	336.6	-30.8	103.2	35.73	11.10	6051.8	6051.8
130	2294	663	213	2012-07-31	E	23:53:07	01:21:02	32	317.6	80.8	106.5	78.44	12.77	6051.8	6051.8
131	2294	663	213	2012-07-31	I	23:53:37	01:21:07	32	341.5	-35.1	106.4	39.39	11.18	6051.8	6051.8
132	2296	664	215	2012-08-02	I	23:52:25	00:41:40	32	346.4	-39.5	109.6	43.24	11.25	6051.8	6051.8
133	2298	665	217	2012-08-04	E	23:51:16	01:20:37	32	323.4	82.3	112.8	80.29	13.20	6051.8	6051.8
134	2298	665	217	2012-08-04	I	23:51:16	01:20:37	32	351.5	-43.9	112.8	47.22	11.33	6051.8	6051.8
135	2300	666	219	2012-08-06	I	23:50:10	00:40:17	32	356.6	-48.3	115.9	51.32	11.39	6051.8	6051.8
136	2302	667	221	2012-08-08	E	23:49:07	01:20:05	32	328.5	83.7	119.1	82.04	13.68	6051.8	6051.8
137	2302	667	221	2012-08-08	I	23:49:07	01:20:05	32	1.9	-52.8	119.1	55.49	11.45	6051.8	6051.8
138	2304	668	223	2012-08-10	I	23:48:09	00:38:58	32	7.3	-57.2	122.3	59.71	11.50	6051.8	6051.8
139	2306	669	225	2012-08-12	E	23:47:15	01:19:33	32	332.1	85.0	125.5	83.72	14.26	6051.8	6051.8
140	2306	669	225	2012-08-12	I	23:47:15	01:19:33	32	12.8	-61.6	125.4	63.98	11.54	6051.8	6051.8
141	2308	670	227	2012-08-14	E	23:46:27	01:19:49	32	333.0	85.6	128.7	84.54	14.61	6051.8	6051.8
142	2308	670	227	2012-08-14	I	23:46:27	01:19:49	32	18.6	-66.1	128.6	68.29	11.56	6051.8	6051.8
143	2312	672	231	2012-08-18	E	23:44:35	01:18:44	32	331.6	86.7	135.0	86.12	15.52	6051.8	6051.8
144	2312	672	231	2012-08-18	I	23:44:35	01:18:44	32	31.8	-75.0	135.0	76.98	11.50	6051.8	6051.8
145	2315	673	234	2012-08-21	E	23:43:49	01:18:08	32	325.8	87.3	139.8	87.28	16.52	6051.8	6051.8
146	2315	673	234	2012-08-21	I	23:43:49	01:18:08	32	46.3	-81.6	139.8	83.55	11.15	6051.8	6051.8

147	2318	674	237	2012-08-24	E	23:43:47	01:17:44	32	314.2	87.7	144.6	88.42	17.91	6051.8	6051.8
148	2318	674	237	2012-08-24	I	23:43:47	01:17:44	32	100.0	-87.5	144.5	90.15	8.19	6051.8	6051.8
149	2321	675	240	2012-08-27	I	23:42:58	00:19:07	32	204.6	-83.8	149.3	96.80	1.83	6051.8	6051.8
150	2326	677	245	2012-09-01	I	23:43:31	00:18:07	32	231.4	-72.3	157.3	107.96	1.07	6051.8	6051.8
151	2328	678	247	2012-09-03	E	23:43:44	01:16:03	32	274.2	86.8	160.6	92.13	22.63	6051.8	6051.8
152	2328	678	247	2012-09-03	I	23:43:14	01:15:58	32	238.1	-67.6	160.5	112.46	1.03	6051.8	6051.8
153	2330	679	249	2012-09-05	I	23:44:03	00:18:52	32	244.3	-62.7	163.7	116.97	1.03	6051.8	6051.8
154	2332	680	251	2012-09-07	E	23:44:00	01:15:16	32	273.1	85.8	167.0	93.59	23.53	6051.8	6051.8
155	2332	680	251	2012-09-07	I	23:44:30	01:15:21	32	250.1	-57.8	166.9	121.48	1.05	6051.8	6051.8
156	2336	682	255	2012-09-11	E	23:44:52	01:15:12	32	272.1	82.2	173.4	97.48	0.42	6051.8	6051.8
157	2336	682	255	2012-09-11	I	23:45:22	01:15:17	32	261.4	-46.6	173.3	131.39	1.12	6051.8	6051.8
158	2340	684	259	2012-09-15	E	23:57:15	01:24:43	32	279.3	80.2	179.8	99.63	0.76	6051.8	6051.8
159	2340	684	259	2012-09-15	I	23:57:15	01:24:43	32	272.4	-35.7	179.8	140.52	1.21	6051.8	6051.8
160	2342	685	262	2012-09-18	I	00:03:19	00:50:48	32	277.8	-29.9	183.0	144.91	1.26	6051.8	6051.8
161	2344	686	264	2012-09-20	E	00:09:30	01:34:09	32	287.6	78.0	186.3	101.90	1.03	6051.8	6051.8
162	2344	686	264	2012-09-20	I	00:09:30	01:34:09	32	283.2	-24.0	186.2	149.03	1.32	6051.8	6051.8
163	2346	687	266	2012-09-22	I	00:15:45	01:01:50	32	288.6	-17.9	189.5	152.69	1.37	6051.8	6051.8
164	2348	688	268	2012-09-24	E	00:21:36	01:43:31	32	296.7	75.4	192.7	104.41	1.25	6051.8	6051.8
165	2348	688	268	2012-09-24	I	00:22:06	01:43:36	32	294.0	-11.5	192.7	155.53	1.43	6051.8	6051.8
166	2350	689	270	2012-09-26	I	00:28:29	01:13:05	32	299.3	-4.7	195.9	157.07	1.49	6051.8	6051.8
167	2352	690	272	2012-09-28	E	00:34:55	01:53:04	32	306.1	72.2	199.2	107.38	1.45	6051.8	6051.8
168	2352	690	272	2012-09-28	I	00:34:55	01:53:04	32	304.6	2.4	199.2	156.80	1.54	6051.8	6051.8
169	2354	691	274	2012-09-30	I	00:41:22	01:24:30	32	310.0	10.2	202.4	154.42	1.60	6051.8	6051.8
170	2356	692	276	2012-10-02	E	00:47:50	02:02:33	32	316.0	67.6	205.7	111.43	1.62	6051.8	6051.8
171	2356	692	276	2012-10-02	I	00:47:50	02:02:33	32	315.3	18.6	205.7	149.95	1.66	6051.8	6051.8
172	2358	694	278	2012-10-04	E	00:54:16	02:07:18	32	321.0	64.0	208.9	114.52	1.70	6051.8	6051.8
173	2358	694	278	2012-10-04	I	00:54:16	02:07:18	32	320.6	28.5	208.9	143.30	1.72	6051.8	6051.8
174	2360	696	280	2012-10-06	E	01:00:39	02:12:02	32	326.9	58.8	212.1	119.16	1.71	6051.8	6051.8
175	2360	696	280	2012-10-06	I	01:00:39	02:12:02	32	326.4	41.5	212.1	133.48	1.75	6051.8	6051.8