

Mars Express MaRS Occultation Season 3

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SZA	LTST	radius	areoid
1	1943	430	201	2005-07-20	I	20:27:43	20:49:05	32	249.6	36.2	253.2	64.34	10.41	3394.6	3390.6
2	1947	434	202	2005-07-21	I	23:18:49	23:41:16	74	219.0	39.4	253.9	66.81	10.52	3385.3	3388.7
3	1949	438	203	2005-07-22	I	12:55:04	13:05:02	15	23.7	40.9	254.2	68.03	10.57	3384.9	3388.4
4	1950	440	203	2005-07-22	I	19:31:02	19:51:01	32	286.4	41.9	254.4	68.88	10.61	3388.9	3388.1
5	1954	444	204	2005-07-23	I	22:24:37	22:44:05	32	255.5	44.5	255.1	70.99	10.71	3390.1	3387.8
6	1957	445	205	2005-07-24	I	18:33:55	18:53:50	32	321.9	45.7	255.6	72.07	10.75	3382.1	3386.5
7	1958	447	206	2005-07-25	I	01:17:08	01:40:06	32	224.2	46.3	255.8	72.56	10.78	3384.4	3386.7
8	1965	451	208	2005-07-27	I	00:23:08	00:41:41	32	259.6	49.7	257.1	75.59	10.92	3385.6	3386.0
9	1975	458	210	2005-07-29	I	19:38:33	19:55:37	32	1.1	53.6	258.8	79.12	11.10	3379.7	3384.3
10	1979	460	211	2005-07-30	I	22:25:21	22:49:22	32	329.8	55.0	259.6	80.48	11.17	3378.8	3383.7
11	1986	463	213	2005-08-01	I	21:26:12	21:53:02	32	5.0	57.6	260.8	82.82	11.31	3378.6	3383.2
12	1989	465	214	2005-08-02	I	17:35:38	18:01:39	32	71.5	58.6	261.3	83.83	11.37	3379.6	3383.3
13	1992	468	215	2005-08-03	I	14:00:00	14:11:08	15	138.2	59.6	261.9	84.82	11.44	3378.5	3382.7
14	1995	469	216	2005-08-04	I	10:10:00	10:21:50	15	204.7	60.6	262.4	85.74	11.50	3378.2	3382.2
15	1997	471	216	2005-08-04	I	23:23:34	23:51:08	32	9.1	61.2	262.8	86.36	11.55	3377.6	3382.3
16	2000	473	217	2005-08-05	I	19:35:30	20:02:30	32	75.8	62.2	263.3	87.32	11.62	3378.6	3382.4
17	2002	475	218	2005-08-06	I	09:15:00	09:26:34	63	240.2	62.8	263.6	87.93	11.67	3378.4	3381.8
18	2004	478	218	2005-08-06	I	22:29:33	22:56:31	32	44.8	63.5	264.0	88.57	11.73	3377.8	3382.0
19	2005	479	219	2005-08-07	I	05:25:00	05:37:10	63	307.1	63.8	264.2	88.90	11.76	3376.6	3381.5
20	2006	481	219	2005-08-07	I	12:09:00	12:20:48	15	209.4	64.1	264.3	89.18	11.78	3377.3	3381.3
21	2007	483	219	2005-08-07	I	18:40:11	19:07:06	32	111.6	64.4	264.5	89.50	11.82	3377.5	3381.8
22	2008	484	220	2005-08-08	I	01:24:45	01:50:37	32	13.9	64.7	264.7	89.78	11.84	3376.9	3381.5
23	2011	485	220	2005-08-08	I	21:34:29	22:01:21	32	80.9	65.6	265.2	90.72	11.94	3377.6	3381.5
24	2014	487	221	2005-08-09	I	17:45:05	18:12:12	32	148.1	66.6	265.8	91.68	12.04	3376.6	3380.9
25	2015	488	222	2005-08-10	I	00:29:30	00:59:18	32	50.4	66.8	265.9	91.95	12.07	3376.9	3381.2
26	2018	489	222	2005-08-10	I	20:39:42	21:06:28	32	117.6	67.7	266.5	92.86	12.18	3376.7	3380.9
27	2022	493	223	2005-08-11	I	23:34:05	00:01:20	32	87.4	68.8	267.2	94.07	12.35	3376.7	3380.7
28	2025	494	224	2005-08-12	I	19:44:44	20:11:36	32	155.1	69.7	267.7	95.02	12.49	3375.7	3380.2
29	2029	495	225	2005-08-13	I	22:40:11	23:06:21	32	125.3	70.8	268.4	96.20	12.68	3375.9	3380.2
30	2030	496	226	2005-08-14	I	05:35:00	05:46:51	63	27.9	71.0	268.6	96.49	12.73	3375.7	3380.2
31	2032	497	226	2005-08-14	I	18:50:33	19:17:34	74	193.4	71.5	268.9	97.11	12.85	3375.2	3379.7
32	2034	498	227	2005-08-15	I	08:30:00	08:41:17	63	358.7	72.0	269.3	97.68	12.96	3375.1	3379.9
33	2037	500	228	2005-08-16	I	04:40:00	04:52:16	63	67.2	72.7	269.8	98.61	13.16	3375.8	3380.1
34	2040	501	229	2005-08-17	I	00:39:18	01:06:13	32	135.8	73.3	270.4	99.50	13.37	3375.2	3379.6
35	2045	503	230	2005-08-18	I	10:29:00	10:41:37	15	10.7	74.3	271.2	100.97	13.75	3374.8	3379.5
36	2046	504	230	2005-08-18	I	17:04:44	17:28:16	32	273.7	74.5	271.4	101.27	13.83	3374.5	3379.3
37	2047	505	230	2005-08-18	I	23:45:03	00:11:58	32	177.1	74.7	271.6	101.60	13.94	3374.5	3379.3
38	2054	506	232	2005-08-20	I	22:51:32	23:18:14	32	219.6	75.5	272.8	103.63	14.59	3374.3	3379.0
39	2057	507	233	2005-08-21	I	19:02:30	19:29:19	32	289.5	75.8	273.3	104.49	14.89	3374.1	3379.1
40	2059	509	234	2005-08-22	I	08:40:00	08:53:37	63	96.4	75.9	273.7	105.08	15.10	3375.1	3379.4
41	2061	511	234	2005-08-22	I	21:57:10	22:24:00	32	263.1	75.9	274.0	105.65	15.32	3374.3	3379.0
42	2063	512	235	2005-08-23	I	11:35:00	11:48:45	14	70.0	76.0	274.4	106.23	15.53	3375.0	3379.4
43	2065	514	236	2005-08-24	I	00:51:27	01:19:10	32	236.9	75.9	274.8	106.80	15.75	3374.2	3379.0
44	2068	516	236	2005-08-24	I	21:03:33	21:30:27	32	307.1	75.8	275.3	107.64	16.07	3374.0	3379.2
45	2069	517	237	2005-08-25	I	03:58:00	04:11:22	63	210.7	75.7	275.4	107.96	16.19	3374.2	3379.0
46	2071	519	237	2005-08-25	I	17:15:05	17:42:20	32	17.4	75.5	275.8	108.52	16.40	3374.7	3379.4
47	2072	520	238	2005-08-25	I	23:58:46	00:25:46	32	280.5	75.4	276.0	108.75	16.49	3374.2	3379.2
48	2073	521	238	2005-08-26	I	06:53:00	07:06:48	63	183.8	75.2	276.1	109.04	16.60	3374.4	3379.2
49	2075	523	238	2005-08-26	I	20:10:27	20:37:27	32	350.5	75.0	276.5	109.61	16.80	3374.4	3379.4
50	2076	524	239	2005-08-27	I	03:04:00	03:18:06	63	253.6	74.8	276.7	109.86	16.89	3374.5	3379.2
51	2079	526	239	2005-08-27	I	23:05:37	23:33:08	32	323.0	74.3	277.2	110.64	17.15	3374.2	3379.4
52	2080	528	240	2005-08-28	I	05:59:00	06:13:25	63	226.3	74.1	277.4	110.95	17.25	3374.5	3379.3
53	2082	529	240	2005-08-28	I	19:17:17	19:44:10	32	32.4	73.6	277.7	111.48	17.42	3375.2	3379.7
54	2086	531	241	2005-08-29	I	22:12:25	22:40:10	32	4.0	72.7	278.4	112.50	17.73	3375.0	3379.8
55	2089	532	242	2005-08-30	I	18:23:56	18:50:50	32	72.4	71.9	278.9	113.23	17.93	3375.9	3380.2
56	2093	534	243	2005-08-31	I	21:21:04	21:46:22	32	43.3	70.8	279.6	114.23	18.18	3375.9	3380.3
57	2095	535	244	2005-09-01	I	10:56:00	11:11:36	14	208.4	70.2	280.0	114.69	18.29	3375.4	3380.0
58	2096	536	244	2005-09-01	I	17:31:29	17:58:13	32	111.0	69.9	280.2	114.91	18.34	3376.3	3380.4
59	2097	537	245	2005-09-02	I	00:15:14	00:42:13	32	13.6	69.5	280.3	115.16	18.39	3375.7	3380.4
60	2098	539	245	2005-09-02	I	07:09:00	07:23:06	65	276.1	69.2	280.5	115.37	18.44	3375.7	3380.2
61	2100	540	245	2005-09-02	I	20:26:21	20:54:07	32	81.0	68.6	280.9	115.82	18.54	3376.7	3380.8
62	2105	542	247	2005-09-04	I	06:16:00	06:30:40	65	312.9	66.9	281.7	116.89	18.74	3375.7	3380.8
63	2107	543	247	2005-09-04	I	19:32:30	20:01:55	32	117.5	66.2	282.1	117.31	18.82	3377.0	3381.3
64	2109	544	248	2005-09-05	I	09:11:00	09:26:19	14	282.1	65.5	282.4	117.71	18.89	3377.0	3381.1
65	2111	546	248	2005-09-05	I	22:28:53	22:56:58	32	86.5	64.8	282.8	118.08	18.95	3377.7	3381.7
66	2114	548	249	2005-09-06	I	18:41:56	19:08:50	32	153.1	63.7	283.3	118.65	19.04	3377.3	3381.5
67	2118	550	250	2005-09-07	I	21:37:55	22:04:47	32	121.6	62.2	284.0	119.32	19.13	3377.9	3382.3
68	2121	552	251	2005-09-08	I	17:49:52	18:16:42	32	187.8	61.1	284.5	119.81	19.20	3377.8	3382.0
69	2125	554	252	2005-09-09	I	20:45:50	21:12:44	32	156.0	59.6	285.2	120.40	19.28	3378.5	3382.5
70	2126	555	253	2005-09-10	I	03:40:00	03:53:50	63	58.0	59.2	285.4	120.55	19.30	3379.2	3383.2
71	2129	557	253	2005-09-10	I	23:42:20	00:08:05	32	123.9	58.1	285.9	120.90	19.34	3378.9	3383.4
72	2135	558	255	2005-09-12	I	16:06:22	16:32:33	32	255.6	55.8	286.9	121.56	19.42	3381.8	3383.9

Mars Express MaRS Occultation Season 3

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SAZ	LTST	radius	areoid
73	2139	559	256	2005-09-13	I	19:01:23	19:28:35	32	223.1	54.3	287.6	121.93	19.46	3381.2	3384.1
74	2143	561	257	2005-09-14	I	21:57:32	22:24:22	32	190.6	52.9	288.3	122.21	19.50	3380.1	3384.2
75	2146	562	258	2005-09-15	I	18:09:31	18:36:31	32	256.2	51.8	288.8	122.39	19.52	3384.1	3385.2
76	2150	563	259	2005-09-16	I	21:05:41	21:31:41	32	223.4	50.4	289.5	122.54	19.54	3382.7	3385.4
77	2153	564	260	2005-09-17	I	17:17:23	17:44:18	32	288.9	49.4	290.0	122.62	19.55	3383.1	3385.7
78	2157	565	261	2005-09-18	I	20:13:19	20:48:54	32	256.0	48.0	290.7	122.66	19.56	3386.2	3386.5
79	2158	566	262	2005-09-19	I	03:06:00	03:21:11	63	157.8	47.7	290.9	122.67	19.56	3382.2	3385.9
80	2161	567	262	2005-09-19	I	23:08:38	23:36:14	32	223.0	46.7	291.4	122.64	19.57	3384.2	3386.6
81	2175	568	266	2005-09-23	I	21:26:47	21:50:14	32	287.3	42.7	293.8	122.04	19.54	3388.6	3387.9
82	2178	569	267	2005-09-24	I	17:35:36	18:02:37	32	352.4	41.9	294.3	121.84	19.54	3383.5	3387.7
83	2182	570	268	2005-09-25	I	20:31:07	20:57:55	32	319.1	41.0	295.0	121.50	19.52	3383.9	3387.9
84	2190	572	270	2005-09-27	I	19:37:29	20:04:29	32	350.9	39.6	296.2	120.78	19.48	3384.3	3388.4
85	2194	574	271	2005-09-28	I	22:32:42	22:59:45	32	317.5	38.9	296.8	120.31	19.45	3384.7	3388.5
86	2204	576	274	2005-10-01	I	17:50:15	18:16:15	32	54.3	37.6	298.5	118.95	19.36	3389.6	3389.7
87	2378	601	323	2005-11-19	I	11:44:00	11:57:55	14	187.5	64.8	326.7	83.20	14.48	3376.8	3381.1
88	2379	603	323	2005-11-19	I	18:16:18	18:44:36	32	88.8	64.9	326.9	83.08	14.44	3377.7	3381.7
89	2382	605	324	2005-11-20	I	14:28:47	14:54:06	32	152.8	65.1	327.3	82.72	14.34	3376.8	3381.2
90	2386	608	325	2005-11-21	I	17:20:48	17:47:46	32	118.1	65.4	328.0	82.25	14.20	3377.2	3381.5
91	2387	609	326	2005-11-22	I	00:13:00	00:28:00	63	19.5	65.5	328.1	82.13	14.16	3376.8	3381.3
92	2389	611	326	2005-11-22	I	13:30:49	13:57:41	32	182.3	65.6	328.4	81.91	14.10	3376.5	3380.9
93	2393	615	327	2005-11-23	I	16:23:39	16:50:32	32	147.8	65.8	329.1	81.48	13.96	3376.8	3381.1
94	2400	621	329	2005-11-25	I	15:26:02	15:53:02	32	178.0	66.1	330.1	80.76	13.76	3376.5	3380.9
95	2401	622	329	2005-11-25	I	22:21:00	22:33:16	63	79.3	66.2	330.3	80.67	13.72	3377.4	3381.3
96	2402	623	330	2005-11-26	I	05:04:00	05:16:35	14	340.9	66.2	330.4	80.57	13.70	3375.9	3381.0
97	2403	624	330	2005-11-26	I	11:35:30	12:01:48	32	242.3	66.3	330.6	80.47	13.67	3377.1	3380.9
98	2404	625	330	2005-11-26	I	18:18:51	18:45:51	32	143.8	66.3	330.7	80.37	13.64	3375.7	3381.0
99	2406	627	331	2005-11-27	I	07:58:00	08:09:23	14	306.7	66.4	331.1	80.19	13.58	3375.8	3380.9
100	2407	629	331	2005-11-27	I	14:29:12	14:55:20	32	208.3	66.4	331.2	80.08	13.56	3376.6	3380.8
101	2410	630	332	2005-11-28	I	10:34:26	11:04:49	32	272.8	66.5	331.7	79.81	13.48	3376.9	3380.9
102	2411	631	332	2005-11-28	I	17:21:29	17:49:56	32	174.4	66.5	331.8	79.70	13.46	3376.4	3380.8
103	2414	634	333	2005-11-29	I	13:31:11	13:58:18	32	239.0	66.5	332.3	79.44	13.39	3377.0	3380.8
104	2416	636	334	2005-11-30	I	03:08:00	03:21:41	65	42.1	66.5	332.6	79.26	13.35	3376.9	3381.2
105	2417	637	334	2005-11-30	I	09:41:55	10:07:59	32	303.7	66.6	332.7	79.17	13.33	3375.7	3380.8
106	2418	638	334	2005-11-30	I	16:20:15	16:51:07	32	205.3	66.5	332.9	79.07	13.31	3376.5	3380.7
107	2423	643	336	2005-12-02	I	02:10:00	02:24:28	65	73.2	66.6	333.6	78.63	13.21	3377.2	3381.2
108	2425	645	336	2005-12-02	I	15:27:02	15:53:54	32	236.5	66.6	334.0	78.44	13.18	3377.0	3380.8
109	2428	649	337	2005-12-03	I	11:36:53	12:04:03	32	301.4	66.6	334.4	78.18	13.13	3375.7	3380.8
110	2430	651	338	2005-12-04	I	01:13:00	01:27:15	63	104.8	66.6	334.7	77.99	13.10	3377.1	3381.2
111	2432	653	338	2005-12-04	I	14:29:53	14:57:00	32	268.1	66.6	335.0	77.81	13.07	3377.0	3380.8
112	2435	654	339	2005-12-05	I	10:40:12	11:06:59	32	333.2	66.5	335.5	77.53	13.04	3375.7	3380.9
113	2436	655	339	2005-12-05	I	17:23:16	17:50:14	32	234.9	66.5	335.6	77.45	13.02	3376.9	3380.8
114	2438	656	340	2005-12-06	I	07:00:00	07:13:25	14	38.3	66.5	335.9	77.27	13.00	3377.0	3381.3
115	2439	658	340	2005-12-06	I	13:33:18	13:59:24	32	300.0	66.5	336.1	77.18	12.99	3375.8	3380.9
116	2443	660	341	2005-12-07	I	16:26:13	16:53:03	32	266.9	66.4	336.7	76.82	12.95	3377.1	3380.9
117	2445	661	342	2005-12-08	I	06:03:00	06:16:31	14	70.5	66.3	337.0	76.63	12.94	3377.2	3381.3
118	2448	691	343	2005-12-09	I	02:13:00	02:26:27	15	135.8	66.3	337.4	76.35	12.92	3376.7	3381.1
119	2450	663	343	2005-12-09	I	15:28:55	15:58:22	32	299.4	66.2	337.7	76.17	12.91	3375.9	3380.9
120	2451	665	343	2005-12-09	I	21:10:29	22:36:33	63	201.2	66.2	337.9	76.06	12.91	3376.5	3380.8
121	2453	667	344	2005-12-10	I	11:36:47	12:06:21	32	4.9	66.1	338.2	75.86	12.91	3376.3	3381.1
122	2455	669	345	2005-12-11	I	01:16:00	01:29:40	63	168.5	66.0	338.5	75.67	12.89	3376.6	3380.9
123	2457	670	345	2005-12-11	I	14:32:05	14:58:45	32	332.1	66.0	338.8	75.48	12.89	3375.9	3381.0
124	2460	673	346	2005-12-12	I	10:42:43	11:10:57	32	37.6	65.9	339.2	75.19	12.89	3377.0	3381.4
125	2462	675	347	2005-12-13	I	00:19:00	00:32:47	65	201.4	65.8	339.5	74.99	12.88	3376.6	3380.9
126	2463	676	347	2005-12-13	I	07:02:00	07:16:06	14	103.2	65.8	339.7	74.90	12.88	3377.3	3381.4
127	2464	678	347	2005-12-13	I	13:35:59	14:02:42	32	5.2	65.7	339.8	74.78	12.89	3376.4	3381.2
128	2466	680	348	2005-12-14	I	03:12:00	03:26:10	15	168.9	65.6	340.1	74.58	12.89	3376.8	3381.1
129	2467	681	348	2005-12-14	I	09:46:18	10:12:37	32	70.7	65.6	340.3	74.49	12.89	3377.4	3381.5
130	2468	682	348	2005-12-14	I	16:34:11	16:55:57	32	332.6	65.5	340.4	74.38	12.89	3375.9	3381.1
131	2474	683	350	2005-12-16	I	08:49:02	09:15:51	32	104.0	65.2	341.3	73.77	12.91	3377.5	3381.6
132	2475	684	350	2005-12-16	I	15:32:22	15:59:09	32	6.0	65.2	341.5	73.64	12.91	3376.6	3381.3
133	2477	685	351	2005-12-17	I	05:09:00	05:22:52	15	169.8	65.1	341.8	73.44	12.92	3376.8	3381.2
134	2478	687	351	2005-12-17	I	11:42:35	12:09:18	32	71.7	65.0	341.9	73.34	12.92	3377.7	3381.6
135	2482	689	352	2005-12-18	I	14:35:43	15:02:31	32	39.5	64.8	342.5	72.90	12.94	3377.3	3381.6
136	2483	690	352	2005-12-18	I	21:29:00	21:42:54	63	301.3	64.8	342.7	72.81	12.95	3376.4	3381.2
137	2485	692	353	2005-12-19	I	10:47:24	11:12:49	32	105.3	64.6	343.0	72.58	12.96	3377.6	3381.7
138	2486	694	353	2005-12-19	I	17:39:00	17:53:01	63	7.3	64.5	343.1	72.46	12.97	3376.8	3381.4
139	2487	695	354	2005-12-20	I	00:22:00	00:36:20	63	269.1	64.5	343.2	72.37	12.97	3377.7	3381.4
140	2489	696	354	2005-12-20	I	13:39:12	14:06:19	32	73.1	64.3	343.6	72.14	12.99	3377.9	3381.8
141	2492	698	355	2005-12-21	I	09:49:30	10:16:13	32	139.0	64.1	344.0	71.79	13.02	3377.2	3381.6
142	2493	699	355	2005-12-21	I	16:32:52	17:00:07	32	41.0	64.1	344.1	71.68	13.03	3377.5	3381.8
143	2495	701	356	2005-12-22	I	06:09:00	06:23:11	15	204.9	63.9	344.4	71.45	13.04	3377.3	3381.4
144	2498	703	357	2005-12-23	I	02:19:00	02:33:20	65	270.8	63.7	344.9	71.12	13.06	3378.0	3381.6

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No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SAZ	LTST	radius	areoid
145	2499	704	357	2005-12-23	I	08:52:53	09:19:37	32	172.9	63.6	345.0	70.98	13.08	3377.2	3381.5
146	2500	705	357	2005-12-23	I	15:55:38	16:03:01	32	74.8	63.6	345.2	70.89	13.08	3378.1	3382.0
147	2501	706	357	2005-12-23	I	22:29:00	22:43:32	65	336.8	63.5	345.3	70.76	13.09	3376.6	3381.6
148	2502	708	358	2005-12-24	I	05:13:00	05:26:50	15	238.8	63.4	345.5	70.65	13.10	3378.1	3381.6
149	2505	710	359	2005-12-25	I	01:23:00	01:36:57	15	304.7	63.2	345.9	70.31	13.13	3376.8	3381.7
150	2507	713	359	2005-12-25	I	14:37:58	15:06:23	32	108.8	63.0	346.2	70.06	13.15	3378.0	3382.2
151	2509	714	360	2005-12-26	I	04:16:00	04:30:26	15	272.8	62.8	346.5	69.83	13.17	3378.2	3381.8
152	2510	715	360	2005-12-26	I	10:50:06	11:16:57	32	174.8	62.7	346.6	69.69	13.19	3377.4	3381.7
153	2512	718	361	2005-12-27	I	00:26:00	00:40:38	65	338.8	62.5	346.9	69.47	13.21	3376.8	3381.8
154	2514	720	361	2005-12-27	I	13:43:36	14:10:18	32	142.8	62.4	347.2	69.23	13.23	3377.7	3382.0
155	2515	721	361	2005-12-27	I	20:35:00	20:50:40	65	44.9	62.3	347.4	69.11	13.24	3378.0	3382.3
156	2517	722	362	2005-12-28	I	09:53:36	10:20:21	32	208.9	62.1	347.6	68.86	13.27	3377.9	3381.8
157	2519	725	362	2005-12-28	I	23:30:00	23:44:14	65	12.9	61.9	347.9	68.61	13.29	3377.7	3382.1
158	2521	726	363	2005-12-29	I	12:47:00	13:12:52	32	177.0	61.7	348.2	68.37	13.31	3377.7	3381.9
159	2522	727	363	2005-12-29	I	19:39:00	19:54:19	65	79.0	61.6	348.4	68.27	13.32	3378.7	3382.5
160	2524	728	364	2005-12-30	I	08:56:34	09:30:40	32	243.0	61.4	348.7	68.02	13.34	3379.0	3382.2
161	2525	729	364	2005-12-30	I	15:40:36	16:07:16	32	145.0	61.3	348.8	67.90	13.35	3378.0	3382.2
162	2526	731	364	2005-12-30	I	22:34:00	22:47:50	65	47.1	61.2	349.0	67.77	13.37	3378.5	3382.6
163	2528	734	365	2005-12-31	I	11:49:50	12:18:07	32	211.1	61.0	349.2	67.53	13.39	3378.4	3382.2
164	2529	735	365	2005-12-31	I	18:44:00	18:57:57	65	113.1	60.9	349.4	67.42	13.40	3378.3	3382.7
165	2531	736	1	2006-01-01	I	08:01:04	08:27:04	32	277.1	60.7	349.7	67.17	13.42	3378.9	3382.4
166	2532	737	1	2006-01-01	I	14:43:46	15:10:41	32	179.2	60.6	349.8	67.04	13.44	3377.9	3382.1
167	2533	738	1	2006-01-01	I	21:37:00	21:51:29	65	81.2	60.5	350.0	66.93	13.45	3378.9	3382.8
168	2535	739	2	2006-01-02	I	10:54:02	11:21:32	32	245.3	60.3	350.3	66.68	13.47	3379.4	3382.5
169	2539	742	3	2006-01-03	I	13:47:22	14:15:56	32	213.4	59.8	350.8	66.18	13.52	3378.8	3382.4
170	2541	743	4	2006-01-04	I	03:25:00	03:38:38	15	17.4	59.6	351.1	65.93	13.55	3378.4	3382.7
171	2544	745	4	2006-01-04	I	23:35:00	23:48:49	65	83.5	59.3	351.6	65.59	13.58	3379.3	3383.2
172	2546	747	5	2006-01-05	I	12:51:54	13:18:59	32	247.5	59.0	351.8	65.34	13.61	3380.1	3382.8
173	2548	749	6	2006-01-06	I	02:28:00	02:42:28	15	51.6	58.8	352.1	65.09	13.64	3379.2	3383.3
174	2549	750	6	2006-01-06	I	09:01:51	09:30:33	32	313.6	58.6	352.3	64.98	13.65	3378.0	3382.8
175	2550	752	6	2006-01-06	I	15:45:23	16:12:48	32	215.6	58.5	352.4	64.84	13.66	3379.3	3382.8
176	2566	1413	11	2006-01-11	I	03:30:00	03:42:21	15	88.2	56.6	354.7	62.97	13.85	3379.9	3384.0
177	2583	754	15	2006-01-15	I	21:48:00	22:00:54	63	222.2	54.2	357.1	61.02	14.05	3381.2	3384.2
178	2584	756	16	2006-01-16	I	04:31:00	04:44:21	15	124.2	54.1	357.2	60.91	14.06	3380.0	3384.6
179	2585	757	16	2006-01-16	I	11:05:11	11:31:49	32	26.2	53.9	357.4	60.79	14.08	3380.5	3384.4
180	2589	759	17	2006-01-17	I	13:58:43	14:25:08	32	354.1	53.4	358.0	60.37	14.12	3379.6	3384.3
181	2591	760	17	2006-01-18	I	02:06:50	03:48:41	15	158.1	53.2	358.2	60.16	14.14	3380.4	3384.3
182	2594	762	18	2006-01-18	I	23:45:00	23:59:05	63	224.1	52.7	358.7	59.83	14.18	3382.0	3384.7
183	2597	763	19	2006-01-19	I	19:56:00	20:09:28	63	290.0	52.3	359.1	59.53	14.21	3381.3	3384.7
184	2601	765	20	2006-01-20	I	21:29:01	23:03:17	63	257.9	51.7	359.6	59.11	14.25	3384.4	3385.3
185	2603	768	21	2006-01-21	I	12:06:16	12:33:16	32	62.0	51.3	359.9	58.86	14.29	3381.8	3385.4
186	2604	769	21	2006-01-21	I	19:00:00	19:13:35	63	323.9	51.3	0.1	58.80	14.29	3380.1	3384.7
187	2607	772	22	2006-01-22	I	15:00:00	15:26:46	32	29.9	50.7	0.5	58.49	14.32	3380.2	3385.4
188	2608	773	22	2006-01-22	I	21:54:00	22:07:19	63	291.8	50.6	0.6	58.41	14.33	3383.1	3385.2
189	2609	774	23	2006-01-23	I	04:37:00	04:50:49	15	193.8	50.4	0.8	58.30	14.34	3381.0	3385.0
190	2610	775	23	2006-01-23	I	11:10:34	11:37:09	32	95.8	50.3	0.9	58.21	14.35	3381.4	3386.0
191	2612	776	24	2006-01-24	I	00:47:00	01:01:00	15	259.8	50.1	1.2	58.04	14.37	3385.3	3385.8
192	2613	777	24	2006-01-24	I	07:20:40	07:47:21	32	161.8	49.9	1.3	57.93	14.38	3381.3	3385.2
193	2614	778	24	2006-01-24	I	14:04:26	14:31:32	32	63.8	49.7	1.5	57.83	14.39	3382.5	3386.0
194	2616	779	25	2006-01-25	I	03:41:00	03:54:46	15	227.7	49.4	1.7	57.65	14.41	3383.5	3385.8
195	2617	780	25	2006-01-25	I	10:14:13	10:39:56	32	129.7	49.3	1.9	57.56	14.42	3381.3	3385.9
196	2619	782	25	2006-01-25	I	23:51:00	00:05:03	15	293.6	49.0	2.1	57.39	14.44	3383.8	3385.6
197	2626	784	27	2006-01-27	I	22:55:00	23:09:06	63	327.4	47.9	3.1	56.77	14.51	3381.2	3385.8
198	2627	785	28	2006-01-28	I	05:39:00	05:52:33	15	229.4	47.8	3.3	56.69	14.52	3384.4	3386.3
199	2628	787	28	2006-01-28	I	12:12:23	12:38:17	32	131.3	47.6	3.4	56.60	14.53	3381.8	3386.4
200	2631	788	29	2006-01-29	I	08:22:17	08:49:27	32	197.2	47.1	3.8	56.35	14.56	3382.1	3386.0
201	2634	826	30	2006-01-30	I	04:43:00	04:56:39	14	263.1	46.7	4.2	56.13	14.58	3386.7	3387.0
202	2635	791	30	2006-01-30	I	11:15:53	11:43:11	32	165.1	46.5	4.4	56.04	14.59	3382.7	3386.1
203	2638	792	31	2006-01-31	I	07:26:27	07:55:01	32	230.9	46.1	4.8	55.81	14.62	3385.2	3386.9
204	2639	793	31	2006-01-31	I	14:10:04	14:36:57	32	132.9	45.9	4.9	55.73	14.63	3382.3	3386.9
205	2641	794	32	2006-02-01	I	03:47:00	04:00:49	15	296.8	45.7	5.2	55.60	14.65	3385.6	3386.7
206	2644	796	32	2006-02-01	I	23:57:00	00:11:10	15	2.6	45.2	5.6	55.37	14.67	3382.6	3386.8
207	2646	798	33	2006-02-02	I	13:13:21	13:40:28	32	166.6	44.9	5.9	55.23	14.69	3383.0	3386.6
208	2649	799	34	2006-02-03	I	09:24:14	09:51:08	32	232.4	44.4	6.3	55.03	14.72	3386.5	3387.5
209	2651	801	34	2006-02-03	I	23:01:00	23:15:15	63	36.3	44.1	6.6	54.89	14.73	3384.1	3387.5
210	2652	802	35	2006-02-04	I	05:45:00	05:58:39	14	298.3	44.0	6.7	54.83	14.74	3385.6	3387.2
211	2653	803	35	2006-02-04	I	12:17:51	12:45:22	32	200.2	43.8	6.8	54.75	14.75	3383.1	3387.0
212	2654	804	35	2006-02-04	I	19:06:56	19:25:30	63	102.2	43.7	7.0	54.70	14.76	3383.1	3388.1
213	2656	805	36	2006-02-05	I	08:27:38	08:54:15	32	266.1	43.4	7.2	54.59	14.78	3388.2	3388.1
214	2660	808	37	2006-02-06	I	11:22:23	11:49:42	32	233.9	42.7	7.8	54.34	14.81	3387.8	3388.2
215	2663	810	38	2006-02-07	I	07:32:37	07:59:29	32	299.7	42.3	8.2	54.17	14.84	3386.4	3387.7
216	2664	812	38	2006-02-07	I	14:15:46	14:43:14	32	201.7	42.0	8.3	54.10	14.84	3383.7	3387.6

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No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SAZ	LTST	radius	areoid
217	2665	813	38	2006-02-07	I	21:08:00	21:23:13	65	103.6	41.9	8.5	54.05	14.85	3383.6	3388.6
218	2666	814	39	2006-02-08	I	03:53:00	04:06:37	14	5.6	41.8	8.6	54.00	14.86	3384.0	3387.8
219	2667	816	39	2006-02-08	I	10:29:43	10:53:08	32	267.5	41.7	8.8	53.96	14.87	3389.1	3388.6
220	2668	904	39	2006-02-08	I	17:20:00	17:33:25	65	169.5	41.5	8.9	53.89	14.88	3383.9	3387.7
221	2669	818	40	2006-02-09	I	00:03:00	00:16:53	65	71.4	41.3	9.0	53.83	14.88	3385.5	3388.6
222	2671	819	40	2006-02-09	I	13:19:57	13:46:52	32	235.2	41.1	9.3	53.75	14.90	3389.4	3388.7
223	2673	820	41	2006-02-10	I	02:57:00	03:10:41	14	39.1	40.7	9.6	53.64	14.91	3386.9	3388.6
224	2674	821	41	2006-02-10	I	09:18:54	09:58:13	32	301.1	40.5	9.7	53.46	14.94	3386.6	3388.3
225	2675	822	41	2006-02-10	I	16:24:00	16:37:39	63	203.0	40.3	9.8	53.53	14.93	3384.2	3388.1
226	2676	823	41	2006-02-10	I	23:06:00	23:21:03	63	105.0	40.2	10.0	53.49	14.94	3384.1	3389.1
227	2678	825	42	2006-02-11	I	12:23:50	12:47:37	32	268.7	40.4	10.2	53.52	14.94	3389.5	3389.0
228	2679	1131	42	2006-02-11	I	19:17:00	19:31:20	63	170.8	39.8	10.4	53.36	14.96	3384.3	3388.1
229	2681	827	43	2006-02-12	I	08:34:47	09:01:02	32	334.6	39.4	10.7	53.27	14.98	3384.0	3388.4
230	2683	829	43	2006-02-12	I	22:11:00	22:25:07	63	138.5	39.1	10.9	53.19	14.99	3384.6	3388.9
231	2684	830	44	2006-02-13	I	04:55:00	05:08:36	15	40.4	39.0	11.1	53.16	15.00	3388.1	3389.1
232	2685	831	44	2006-02-13	I	11:28:21	11:55:21	32	302.3	38.8	11.2	53.12	15.00	3387.0	3388.7
233	2690	832	45	2006-02-14	I	21:15:00	21:29:12	15	172.0	38.0	11.9	52.93	15.04	3384.7	3388.6
234	2692	834	46	2006-02-15	I	10:36:31	10:58:22	32	335.8	37.7	12.1	52.86	15.06	3384.5	3388.9
235	2694	835	47	2006-02-16	I	00:09:00	00:22:58	15	139.7	37.4	12.4	52.79	15.07	3385.2	3389.4
236	2699	838	48	2006-02-17	I	09:36:28	10:02:23	32	9.3	36.7	13.1	52.65	15.10	3387.5	3389.5
237	2702	839	49	2006-02-18	I	05:57:00	06:10:36	14	75.0	36.2	13.5	52.56	15.12	3387.7	3390.2
238	2703	841	49	2006-02-18	I	12:29:53	12:56:14	32	337.0	36.0	13.6	52.54	15.13	3385.0	3389.4
239	2706	842	50	2006-02-19	I	08:39:44	09:07:07	32	42.7	35.6	14.0	52.48	15.15	3390.1	3390.2
240	2708	844	50	2006-02-19	I	20:40:40	22:31:22	63	206.5	35.3	14.3	52.43	15.17	3385.8	3389.7
241	2713	846	52	2006-02-21	I	07:44:52	08:11:30	32	76.1	34.5	15.0	52.33	15.20	3388.2	3390.7
242	2717	848	53	2006-02-22	I	10:39:04	11:04:39	32	43.8	33.9	15.5	52.27	15.22	3390.1	3390.7
243	2722	849	54	2006-02-23	I	20:25:00	20:39:33	63	273.3	33.2	16.2	52.21	15.25	3391.9	3391.2
244	2724	850	55	2006-02-24	I	09:42:05	10:08:36	32	77.1	32.8	16.4	52.17	15.26	3388.7	3391.1
245	2725	851	55	2006-02-24	I	16:36:00	16:50:03	63	339.0	32.6	16.6	52.17	15.27	3386.4	3390.3
246	2728	853	56	2006-02-25	I	12:36:35	13:03:21	32	44.7	32.2	17.0	52.15	15.29	3390.2	3391.2
247	2729	854	56	2006-02-25	I	19:30:00	19:43:56	63	306.6	32.0	17.1	52.14	15.29	3387.5	3390.6
248	2735	857	58	2006-02-27	I	11:42:07	12:06:53	32	78.0	31.1	17.9	52.11	15.33	3389.4	3391.6
249	2737	858	59	2006-02-28	I	01:18:00	01:31:36	15	241.8	30.9	18.1	52.12	15.34	3394.3	3392.1
250	2760	863	65	2006-03-06	I	11:47:53	12:13:30	32	145.5	27.4	21.2	52.27	15.46	3394.3	3392.2
251	2762	864	66	2006-03-07	I	01:24:00	01:37:40	15	309.3	26.9	21.4	52.30	15.47	3388.2	3392.0
252	2763	865	66	2006-03-07	I	07:56:52	08:30:18	32	211.2	26.8	21.6	52.31	15.48	3388.9	3392.2
253	2774	867	69	2006-03-10	I	09:56:10	10:21:23	32	212.1	25.1	23.0	52.51	15.53	3390.1	3392.7
254	2781	870	71	2006-03-12	I	08:57:59	09:24:25	32	245.3	24.2	23.9	52.67	15.56	3396.5	3394.0
255	2782	931	71	2006-03-12	I	15:52:00	16:05:42	63	147.2	24.3	24.1	52.69	15.56	3402.5	3393.0
256	2785	871	72	2006-03-13	I	11:52:33	12:19:59	32	212.9	23.5	24.5	52.78	15.58	3390.8	3393.1
257	2790	873	73	2006-03-14	I	21:39:00	21:52:55	15	82.4	22.7	25.1	52.92	15.60	3391.4	3393.7
258	2791	874	74	2006-03-15	I	04:22:00	04:36:17	15	344.3	22.5	25.2	52.95	15.61	3390.4	3392.9
259	2799	876	76	2006-03-17	I	09:49:07	10:26:55	32	279.5	21.4	26.3	53.20	15.64	3393.8	3394.0
260	2801	877	76	2006-03-17	I	23:36:00	23:50:00	15	83.3	20.9	26.5	53.28	15.65	3390.8	3394.0
261	2803	878	77	2006-03-18	I	12:52:38	13:19:57	32	247.1	20.8	26.8	53.34	15.65	3397.4	3394.8
262	2817	886	81	2006-03-22	I	11:00:33	11:27:02	32	313.6	18.4	28.6	53.91	15.71	3390.2	3393.8
263	2822	889	82	2006-03-23	I	20:45:00	21:00:30	63	183.1	17.6	29.2	54.12	15.72	3390.3	3393.6
264	2823	890	83	2006-03-24	I	03:30:00	03:43:55	14	84.9	17.4	29.4	54.16	15.73	3391.1	3394.8
265	2824	891	83	2006-03-24	I	10:03:30	10:30:12	32	346.8	17.4	29.5	54.19	15.73	3392.6	3393.9
266	2829	895	84	2006-03-25	I	19:49:04	20:03:56	63	216.3	16.6	30.1	54.43	15.75	3392.7	3394.7
267	2830	896	85	2006-03-26	I	02:32:04	02:47:18	14	118.2	16.3	30.3	54.49	15.75	3391.4	3394.6
268	2835	899	86	2006-03-27	I	12:00:29	12:27:15	32	347.7	15.5	30.9	54.72	15.77	3390.6	3394.2
269	2840	902	87	2006-03-28	I	21:47:00	22:00:37	65	217.1	14.8	31.6	54.97	15.78	3393.0	3395.0
270	2844	905	89	2006-03-30	I	00:40:00	00:53:48	14	184.7	14.0	32.1	55.19	15.79	3391.1	3394.2
271	2845	906	89	2006-03-30	I	07:13:18	07:40:16	32	86.6	13.8	32.2	55.25	15.80	3391.7	3395.5
272	2860	914	93	2006-04-03	I	12:03:22	12:30:10	32	54.9	11.5	34.1	56.06	15.84	3396.8	3395.6
273	2894	922	103	2006-04-13	I	00:45:00	00:59:02	15	319.0	4.7	38.4	58.49	15.91	3393.8	3395.3
274	2897	924	103	2006-04-13	I	20:55:00	21:08:52	65	24.6	4.2	38.8	58.67	15.91	3396.1	3395.9
275	2898	925	104	2006-04-14	I	03:38:00	03:52:08	15	286.5	4.1	38.9	58.75	15.91	3397.3	3396.1
276	2899	927	104	2006-04-14	I	10:11:21	10:38:22	32	188.4	3.5	39.1	58.90	15.91	3392.0	3395.2
277	2909	932	107	2006-04-17	I	05:25:04	05:51:43	32	287.1	1.6	40.3	59.67	15.92	3399.4	3396.2
278	2910	933	107	2006-04-17	I	12:07:58	12:34:32	32	189.0	0.9	40.4	59.90	15.92	3392.5	3395.3
279	2911	935	107	2006-04-17	I	18:47:12	19:15:00	63	90.8	1.0	40.6	60.00	15.93	3396.0	3396.2
280	2925	941	111	2006-04-21	I	17:07:00	17:21:19	63	156.8	-3.6	42.3	61.59	15.93	3393.2	3395.4
281	2929	945	112	2006-04-22	I	20:01:00	20:14:24	63	124.3	-4.5	42.8	61.98	15.93	3397.2	3395.8
282	2931	948	113	2006-04-23	I	09:15:53	09:44:10	32	288.0	-5.1	43.1	62.19	15.93	3391.7	3395.8
283	2933	949	113	2006-04-23	I	22:54:00	23:07:37	15	91.6	-6.0	43.3	62.52	15.92	3397.8	3396.1
284	2934	951	114	2006-04-24	I	05:25:47	05:54:24	32	353.4	-6.9	43.5	62.84	15.92	3393.6	3395.3