

Mars Express MaRS Occultation Season 12

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SZA	LTST	radius	aeroid
1	9498	2936	162	2011-06-11	I	04:43:46	05:09:31	32	295.5	6.3	308.9	73.70	7.31	3395.9	3395.7
2	9499	2938	162	2011-06-11	I	09:50:33	12:05:25	65	193.2	4.1	309.1	73.40	7.29	3392.1	3395.3
3	9501	2939	163	2011-06-12	I	01:39:12	02:05:03	32	348.6	-0.5	309.4	72.60	7.22	3393.5	3395.5
4	9502	2941	163	2011-06-12	I	07:31:51	09:00:35	65	246.3	-3.0	309.6	72.30	7.18	3405.3	3397.4
5	9502	2942	163	2011-06-12	I	12:28:50	15:59:41	65	144.1	-4.2	309.8	72.10	7.17	3394.2	3395.6
6	9505	2944	164	2011-06-13	I	05:37:08	06:00:15	32	299.7	-7.8	310.1	71.70	7.12	3398.1	3395.5
7	9508	2946	165	2011-06-14	I	02:31:24	02:57:10	32	353.0	-12.1	310.6	71.20	7.06	3393.4	3394.8
8	9513	2948	166	2011-06-15	I	13:40:00	13:49:44	65	202.1	-18.7	311.5	70.70	6.98	3394.1	3393.7
9	9515	2950	167	2011-06-16	I	03:25:09	03:50:51	32	357.7	-21.2	311.8	70.60	6.95	3393.7	3393.4
10	9522	2953	169	2011-06-18	I	04:19:54	04:45:37	32	2.3	-29.0	313.0	70.40	6.86	3392.9	3391.7
11	9528	2957	170	2011-06-19	I	22:28:00	22:38:43	15	109.2	-34.9	314.0	70.40	6.79	3391.4	3390.4
12	9529	2959	171	2011-06-20	I	05:23:04	05:38:08	63	7.0	-35.9	314.2	70.50	6.78	3390.9	3389.8
13	9537	2962	173	2011-06-22	I	13:23:00	13:33:22	15	269.3	-43.2	315.5	70.80	6.68	3390.1	3387.8
14	9539	2964	174	2011-06-23	I	03:09:28	03:35:08	32	64.9	-44.8	315.8	71.00	6.66	3380.7	3387.2
15	9540	2965	174	2011-06-23	I	10:21:00	10:31:51	65	322.7	-45.7	316.0	71.00	6.65	3383.6	3386.6
16	9542	2967	175	2011-06-24	I	00:07:50	00:33:27	32	118.2	-47.5	316.3	71.20	6.63	3387.5	3386.5
17	9546	2969	176	2011-06-25	I	04:05:52	04:31:28	32	69.3	-50.7	317.0	71.50	6.58	3379.2	3385.5
18	9547	2971	176	2011-06-25	I	11:18:00	11:28:14	65	327.0	-51.6	317.2	71.70	6.57	3382.9	3384.8
19	9563	2979	181	2011-06-30	I	02:58:14	03:23:47	32	130.4	-63.7	319.8	73.50	6.33	3382.9	3381.9
20	9566	2980	181	2011-06-30	I	23:57:04	00:22:45	32	183.2	-65.8	320.3	74.00	6.28	3383.7	3381.2
21	9568	2981	182	2011-07-01	I	14:09:00	14:19:15	14	338.4	-67.2	320.7	74.20	6.23	3383.0	3380.9
22	9570	2984	183	2011-07-02	I	03:55:33	04:21:09	32	133.5	-68.6	321.0	74.50	6.19	3381.6	3380.8
23	9571	2986	183	2011-07-02	I	11:08:00	11:18:07	65	31.0	-69.2	321.2	74.70	6.16	3382.2	3380.6
24	9583	2990	186	2011-07-05	I	23:04:00	23:14:11	15	238.8	-77.1	323.1	76.60	5.69	3380.7	3379.2
25	9585	2992	187	2011-07-06	I	13:03:00	13:13:36	15	32.6	-78.3	323.5	76.90	5.56	3380.5	3379.1
26	9590	2994	188	2011-07-07	I	23:49:07	00:14:47	32	234.9	-81.2	324.3	77.80	5.09	3381.0	3378.7
27	9594	2996	190	2011-07-09	I	03:48:10	04:13:45	32	176.5	-83.4	324.9	78.50	4.43	3381.7	3378.7
28	9597	2998	191	2011-07-10	I	00:47:19	01:12:54	32	218.0	-84.8	325.4	79.10	3.62	3381.5	3378.5
29	9600	3000	191	2011-07-10	I	21:59:00	22:09:30	15	252.6	-85.8	325.9	79.70	2.36	3381.0	3378.5
30	9601	3002	192	2011-07-11	I	04:54:04	05:09:18	63	142.2	-86.0	326.1	79.80	1.81	3381.3	3378.5
31	9604	3004	193	2011-07-12	I	01:45:36	02:11:10	32	170.1	-86.0	326.5	80.40	0.09	3381.6	3378.5
32	9607	3005	193	2011-07-12	I	22:45:56	23:10:30	32	201.6	-85.3	327.0	81.00	22.61	3381.5	3378.5
33	9611	3009	195	2011-07-14	I	02:44:06	03:09:39	32	134.9	-83.7	327.7	81.80	21.41	3381.5	3378.7
34	9614	3010	195	2011-07-14	I	23:43:24	00:09:03	32	180.4	-82.2	328.2	82.40	20.87	3381.7	3378.7
35	9619	3014	197	2011-07-16	I	10:55:00	11:05:31	63	21.7	-79.7	329.0	83.40	20.34	3380.9	3379.0
36	9621	3015	198	2011-07-17	I	00:42:03	01:07:43	32	175.3	-78.6	329.3	83.80	20.19	3381.6	3379.1
37	9628	3019	200	2011-07-19	I	01:40:56	02:05:32	32	175.2	-74.8	330.4	85.30	19.86	3381.5	3379.6
38	9631	3021	200	2011-07-19	I	22:40:46	23:05:05	32	227.4	-73.2	330.9	85.90	19.77	3381.8	3379.7
39	9632	3023	201	2011-07-20	I	04:18:57	06:03:16	63	124.8	-72.7	331.1	86.10	19.74	3382.0	3380.0
40	9633	3024	201	2011-07-20	I	12:53:00	13:03:11	15	22.3	-72.1	331.2	86.30	19.72	3381.3	3380.0
41	9635	3026	202	2011-07-21	I	02:39:51	03:04:29	32	177.3	-71.0	331.5	86.80	19.67	3381.8	3380.1
42	9638	3027	202	2011-07-21	I	23:39:20	00:04:03	32	229.9	-69.4	332.0	87.40	19.61	3382.0	3380.4
43	9640	3028	203	2011-07-22	I	13:52:00	14:02:12	15	25.1	-68.3	332.3	87.80	19.58	3381.7	3380.8
44	9645	3033	205	2011-07-24	I	00:38:29	01:03:09	32	233.3	-65.7	333.1	88.90	19.52	3382.8	3381.2
45	9649	3035	206	2011-07-25	I	04:38:03	05:02:42	32	184.0	-63.5	333.8	89.80	19.48	3383.5	3381.7
46	9650	3036	206	2011-07-25	I	11:50:00	12:00:53	63	81.7	-63.0	333.9	90.00	19.47	3382.7	3382.2
47	9655	3039	207	2011-07-26	I	22:37:21	23:02:03	32	290.3	-60.4	334.7	91.10	19.43	3383.1	3382.4
48	9657	3041	208	2011-07-27	I	12:50:00	13:00:10	14	85.8	-59.3	335.0	91.60	19.42	3383.3	3383.1
49	9659	3043	209	2011-07-28	I	02:37:03	03:01:42	32	241.3	-58.3	335.3	92.00	19.41	3385.2	3383.0
50	9662	3044	209	2011-07-28	I	23:36:43	00:01:26	32	294.6	-56.7	335.8	92.70	19.39	3385.3	3383.4
51	9664	3045	210	2011-07-29	I	13:45:04	13:59:33	15	90.1	-55.6	336.1	93.20	19.39	3383.4	3384.1
52	9666	3047	211	2011-07-30	I	03:36:27	04:01:05	32	245.6	-54.6	336.4	93.60	19.38	3385.4	3384.1
53	9669	3050	212	2011-07-31	I	00:36:10	01:00:53	32	299.0	-53.0	336.9	94.30	19.37	3385.2	3384.4
54	9671	3052	212	2011-07-31	I	14:48:00	14:58:58	63	94.5	-52.0	337.2	94.80	19.37	3384.9	3385.2
55	9676	3055	214	2011-08-02	I	01:35:45	02:00:22	32	303.5	-49.4	338.0	95.90	19.36	3384.5	3385.5
56	9679	3057	214	2011-08-02	I	22:35:27	23:00:11	32	356.9	-47.9	338.5	96.60	19.36	3387.5	3386.1
57	9683	3060	216	2011-08-04	I	02:35:20	02:59:57	32	308.2	-45.8	339.1	97.50	19.36	3388.2	3386.5
58	9686	3061	216	2011-08-04	I	23:35:02	23:59:46	32	1.6	-44.2	339.6	98.20	19.36	3388.6	3387.2
59	9688	3062	217	2011-08-05	I	13:45:00	13:57:52	65	157.3	-43.2	339.9	98.70	19.36	3388.6	3387.5
60	9693	3065	219	2011-08-07	I	00:34:43	00:59:27	32	6.4	-40.6	340.7	99.90	19.37	3390.2	3388.3
61	9695	3066	219	2011-08-07	I	13:52:42	14:57:33	15	162.1	-39.5	341.0	100.40	19.37	3390.0	3388.5