

Object	Date	Local Time	Quadrant Azimuth	Quadrant Altitude	Location	Latitude	RA	Dec	RA	Dec
Mars 1	6/11/2024	3:38	81.1	7.5	Broomfield	39.931	1:59:31	11:0:10	1.99	11.00
Mars 2	6/17/2024	3:52	82.9	12.8	Broomfield	39.931	2:16:31	12:32:21	2.28	12.54
Mars 3	6/24/2024	3:17	77	8	Broomfield	39.931	2:36:18	14:13:14	2.61	14.20
Mars 4	7/3/2024	3:20	77.5	10.5	Broomfield	39.931	3:1:57	16:12:48	3.03	16.21
Mars 5	7/6/2024	3:28	77.9	17.5	Broomfield	39.931	3:10:34	16:49:54	3.18	16.83
Mars 6	7/16/2024	3:43	81.7	21.3	Broomfield	39.931	3:34:26	19:38:56	3.57	19.65
Mars 7	7/22/2024	3:19	74.2	18.1	Broomfield	39.931	4:15:59	23:23:51	4.27	23.40
Mars 8	7/28/2024	3:42	81	25.5	Broomfield	39.931	4:07:42	22:38:59	4.13	22.65
Mars 9	8/2/2024	4:18	87.5	31.4	Broomfield	39.931	4:41:37	21:16:42	4.69	21.28
Mars 10	8/14/2024	2:54	75.5	20.4	Broomfield	39.931	4:57:26	23:48:28	4.96	23.81
Mars 11	8/20/2024	2:34	73.9	18.2	Broomfield	39.931	5:12:41	23:43:59	5.21	23.73
Mars 12	8/27/2024	2:08	71.8	15.4	Broomfield	39.931	5:34:17	23:39:47	5.57	23.66
Mars 13	9/4/2024	2:14	73.5	17.9	Broomfield	39.931	5:53:50	23:51:39	5.90	23.86
Mars 14	9/6/2024	5:01	101.5	50	Broomfield	39.931	5:57:45	23:09:37	5.96	23.16
Mars 15	9/8/2024	5:15	102.4	54.7	Broomfield	39.931	6:01:20	25:22:37	6.02	25.38
Mars 16	9/12/2024	3:15	82.7	30.7	Broomfield	39.931	6:19:33	24:17:39	6.33	24.29
Mars 17	9/16/2024	2:30	77.9	21.7	Broomfield	39.931	6:27:09	22:44:46	6.45	22.75
Mars 18	9/18/2024	2:01	74.1	20.8	Broomfield	39.931	6:24:12	25:06:22	6.40	25.11
Mars 19	9/23/2024	1:43	72	15.5	Broomfield	39.931	6:49:48	23:34:12	6.83	23.57
Mars 20	9/27/2024	1:59	67.9	11.3	OTSP	36.981	6:49:56	24:22:03	6.83	24.37
Mars 21	9/29/2024	1:17	62	5.8	OTSP	36.981	6:50:36	25:42:55	6.84	25.72
Mars 22	10/2/2024	1:12	62.1	8.8	OTSP	36.981	6:06:33	27:28:45	6.11	27.48
Mars 23	10/6/2024	1:59	68	11.3	Broomfield	39.931	7:24:53	24:02:47	7.41	24.05
Mars 24	10/10/2024	1:39	67.5	10.5	Broomfield	39.931	7:21:40	23:55:26	7.36	23.92
Mars 25	10/14/2024	1:41	71	13.5	Broomfield	39.931	7:19:55	23:06:59	7.33	23.12
Mars 26	10/16/2024	1:18	70	13	Broomfield	39.931	7:34:20	23:39:16	7.57	23.65
Mars 27	10/22/2024	1:06	78.8	19.3	Broomfield	39.931	7:37:05	20:38:30	7.62	20.64
Mars 28	10/24/2024	0:36	73	14.1	Broomfield	39.931	7:47:06	21:57:03	7.79	21.95
Mars 29	10/26/2024	0:47	75.3	16.3	Broomfield	39.931	7:56:56	21:31:30	7.95	21.53
Mars 30	11/1/2024	0:08	70.1	12.5	Broomfield	39.931	8:03:34	23:11:18	8.06	23.19
Mars 31	12/6/2024	21:23	72.8	11.5	Broomfield	39.931	8:36:30	20:29:53	8.61	20.5
Mars 32	12/13/2024	21:16	77.8	15.5	Broomfield	39.931	8:30:57	19:07:39	8.52	19.13

Mars Retrograde 2024

12/6/24 - 2/23/25

Opposition 1/15/25

Mars over Jupiter 0.3 degrees away

