

Ephemeris of Mars

Date	Rise	Set	Mag	El °	Top R.A.	Top Dec	Diam "	Distance	R (AU)
01 april 2012	15:43:52	06:17:15	-0.7	143.0	10h 31m 30.65s	+12° 50' 07.0"	12.57	0.7446994	1.6559377
04	15:30:03	06:03:52	-0.7	139.6	10h 29m 36.30s	+12° 52' 55.6"	12.31	0.7604547	1.6545688
07	15:16:56	05:50:39	-0.6	136.4	10h 28m 08.75s	+12° 53' 02.8"	12.04	0.7773678	1.6531151
10	15:04:32	05:37:36	-0.5	133.2	10h 27m 07.87s	+12° 50' 35.0"	11.77	0.7953304	1.6515773
13	14:52:47	05:24:46	-0.4	130.2	10h 26m 33.25s	+12° 45' 38.7"	11.50	0.8142451	1.6499560
16	14:41:42	05:12:06	-0.4	127.3	10h 26m 24.31s	+12° 38' 20.2"	11.22	0.8340180	1.6482519
19	14:31:15	04:59:38	-0.3	124.5	10h 26m 40.36s	+12° 28' 45.5"	10.95	0.8545543	1.6464659
22	14:21:25	04:47:22	-0.2	121.8	10h 27m 20.56s	+12° 17' 01.1"	10.69	0.8757594	1.6445987
25	14:12:08	04:35:16	-0.1	119.2	10h 28m 23.88s	+12° 03' 13.5"	10.43	0.8975412	1.6426511
28 apr	14:03:24	04:23:21	-0.1	116.7	10h 29m 49.16s	+11° 47' 29.6"	10.18	0.9198119	1.6406240
01 maj	13:55:11	04:11:36	-0.0	114.3	10h 31m 35.13s	+11° 29' 56.1"	9.93	0.9424902	1.6385184
04	13:47:26	04:00:01	0.0	112.0	10h 33m 40.47s	+11° 10' 39.5"	9.69	0.9655033	1.6363353
07	13:40:08	03:48:35	0.1	109.7	10h 36m 03.89s	+10° 49' 45.6"	9.47	0.9887905	1.6340757
10	13:33:14	03:37:17	0.1	107.6	10h 38m 44.19s	+10° 27' 19.7"	9.25	1.0123039	1.6317405
13	13:26:44	03:26:07	0.2	105.5	10h 41m 40.29s	+10° 03' 26.1"	9.03	1.0360013	1.6293310
16	13:20:35	03:15:05	0.3	103.5	10h 44m 51.26s	+09° 38' 08.3"	8.83	1.0598387	1.6268483
19	13:14:47	03:04:10	0.3	101.6	10h 48m 16.25s	+09° 11' 29.6"	8.64	1.0837705	1.6242937
22	13:09:19	02:53:21	0.3	99.7	10h 51m 54.43s	+08° 43' 33.6"	8.45	1.1077509	1.6216682
25	13:04:08	02:42:39	0.4	97.9	10h 55m 44.95s	+08° 14' 23.9"	8.27	1.1317357	1.6189733
28	12:59:15	02:32:02	0.5	96.1	10h 59m 46.99s	+07° 44' 04.4"	8.10	1.1556836	1.6162104
31 maj	12:54:37	02:21:31	0.5	94.4	11h 03m 59.74s	+07° 12' 38.8"	7.94	1.1795582	1.6133807
03 jun	12:50:14	02:11:05	0.5	92.7	11h 08m 22.47s	+06° 40' 10.6"	7.78	1.2033306	1.6104858
06	12:46:05	02:00:43	0.6	91.1	11h 12m 54.49s	+06° 06' 43.0"	7.63	1.2269822	1.6075271
09	12:42:08	01:50:25	0.6	89.6	11h 17m 35.23s	+05° 32' 19.1"	7.49	1.2505004	1.6045062
12	12:38:24	01:40:12	0.7	88.0	11h 22m 24.24s	+04° 57' 01.0"	7.35	1.2738706	1.6014246
15	12:34:52	01:30:03	0.7	86.5	11h 27m 21.20s	+04° 20' 50.9"	7.22	1.2970738	1.5982841
18	12:31:31	01:19:57	0.7	85.1	11h 32m 25.78s	+03° 43' 51.1"	7.09	1.3200887	1.5950863
21	12:28:21	01:09:55	0.8	83.6	11h 37m 37.64s	+03° 06' 04.3"	6.97	1.3428926	1.5918331
24	12:25:21	00:59:56	0.8	82.3	11h 42m 56.44s	+02° 27' 33.6"	6.85	1.3654635	1.5885261
27	12:22:31	00:50:01	0.8	80.9	11h 48m 21.85s	+01° 48' 21.8"	6.74	1.3877814	1.5851673
30 jun	12:19:50	00:40:09	0.8	79.6	11h 53m 53.57s	+01° 08' 32.2"	6.64	1.4098315	1.5817585