

### MARS

M d 2015	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	F	V	$\Delta I$
	$\lambda=0$		$\varphi=50$		$0^hUT$					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	10 09	14 54	19 40	66	21 32.2	- 15 49	4.8	0.94	1.1	41
8	9 50	14 47	19 44	70	21 56.5	- 13 40	4.7	0.95	1.1	39
16	9 31	14 39	19 48	73	22 20.4	- 11 24	4.6	0.95	1.1	37
24	9 11	14 31	19 52	77	22 43.9	- 9 01	4.5	0.96	1.2	35
II 1	8 50	14 23	19 56	81	23 07.1	- 6 33	4.4	0.96	1.2	34
9	8 30	14 14	19 59	85	23 29.9	- 4 02	4.4	0.96	1.2	32
17	8 09	14 05	20 03	89	23 52.5	- 1 30	4.3	0.97	1.2	30
25	7 47	13 56	20 06	93	0 14.9	1 02	4.2	0.97	1.3	28
III 5	7 26	13 47	20 08	97	0 37.3	3 32	4.2	0.98	1.3	26
13	7 05	13 38	20 11	100	0 59.5	5 59	4.1	0.98	1.3	24
21	6 44	13 28	20 13	104	1 21.9	8 21	4.0	0.98	1.3	22
29	6 24	13 19	20 15	108	1 44.3	10 37	4.0	0.99	1.4	20
IV 6	6 04	13 10	20 18	111	2 06.8	12 46	3.9	0.99	1.4	18
14	5 44	13 02	20 19	114	2 29.5	14 46	3.9	0.99	1.4	16
22	5 26	12 53	20 21	117	2 52.5	16 37	3.8	0.99	1.4	14
30	5 08	12 45	20 22	120	3 15.6	18 17	3.8	1.00	1.4	12
V 8	4 51	12 36	20 23	123	3 38.9	19 46	3.8	1.00	1.5	10
16	4 35	12 28	20 22	125	4 02.5	21 03	3.7	1.00	1.5	8
24	4 20	12 21	20 21	127	4 26.1	22 07	3.7	1.00	1.5	6
VI 1	4 07	12 13	20 19	128	4 49.9	22 58	3.7	1.00	1.5	4
9	3 55	12 05	20 15	129	5 13.8	23 35	3.7	1.00	1.5	2
17	3 45	11 57	20 10	130	5 37.6	23 58	3.6	1.00	1.5	-1
25	3 36	11 50	20 03	130	6 01.3	24 08	3.6	1.00	1.5	-3
VII 3	3 29	11 42	19 54	130	6 24.8	24 05	3.6	1.00	1.6	-5
11	3 22	11 33	19 44	130	6 48.1	23 48	3.6	1.00	1.6	-7
19	3 17	11 25	19 32	129	7 11.1	23 19	3.6	1.00	1.7	-10
27	3 13	11 16	19 18	127	7 33.8	22 38	3.6	1.00	1.7	-12
VIII 4	3 09	11 06	19 03	126	7 56.0	21 46	3.6	0.99	1.7	-15
12	3 06	10 57	18 47	124	8 17.8	20 43	3.7	0.99	1.7	-17
20	3 03	10 47	18 30	122	8 39.2	19 32	3.7	0.99	1.8	-20
28	3 00	10 36	18 11	120	9 00.1	18 12	3.7	0.99	1.8	-22
IX 5	2 57	10 25	17 52	117	9 20.6	16 44	3.7	0.98	1.8	-25
13	2 55	10 13	17 31	115	9 40.6	15 11	3.8	0.98	1.8	-28
21	2 52	10 01	17 11	112	10 00.2	13 31	3.8	0.98	1.8	-30
29	2 48	9 49	16 49	109	10 19.5	11 47	3.9	0.97	1.8	-33
X 7	2 45	9 36	16 27	106	10 38.4	9 59	4.0	0.97	1.8	-36
15	2 41	9 24	16 05	103	10 57.0	8 09	4.0	0.96	1.8	-39
23	2 37	9 10	15 43	100	11 15.4	6 16	4.1	0.96	1.7	-42
31	2 33	8 57	15 20	97	11 33.5	4 22	4.2	0.95	1.7	-45
XI 8	2 29	8 43	14 57	94	11 51.4	2 28	4.3	0.95	1.7	-48
16	2 24	8 29	14 35	91	12 09.1	0 34	4.5	0.94	1.6	-51
24	2 19	8 16	14 12	88	12 26.7	- 1 18	4.6	0.94	1.6	-55
XII 2	2 13	8 01	13 49	86	12 44.1	- 3 09	4.8	0.93	1.5	-58
10	2 08	7 47	13 26	83	13 01.4	- 4 57	5.0	0.93	1.5	-62
18	2 02	7 33	13 03	80	13 18.6	- 6 41	5.2	0.92	1.4	-65
26	1 56	7 18	12 41	77	13 35.6	- 8 21	5.4	0.92	1.3	-69
2016 I 3	1 49	7 04	12 18	75	13 52.5	- 9 57	5.6	0.91	1.2	-72