

**MARS**

M d 2013	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	9 27	13 46	18 06	58	20 26.0	- 20 24	4.2	0.98	1.2	24
8	9 12	13 41	18 10	61	20 51.8	- 18 47	4.2	0.98	1.2	22
16	8 55	13 34	18 14	64	21 17.2	- 16 57	4.1	0.98	1.2	21
24	8 38	13 28	18 18	67	21 42.1	- 14 55	4.1	0.99	1.2	19
II 1	8 19	13 21	18 23	71	22 06.6	- 12 44	4.1	0.99	1.2	17
9	7 60	13 13	18 27	75	22 30.6	- 10 26	4.0	0.99	1.2	15
17	7 40	13 05	18 31	79	22 54.2	- 8 01	4.0	0.99	1.2	13
25	7 20	12 57	18 35	82	23 17.5	- 5 32	4.0	0.99	1.2	12
III 5	6 59	12 48	18 38	86	23 40.5	- 3 00	4.0	1.00	1.2	10
13	6 38	12 40	18 42	90	0 03.3	- 0 28	3.9	1.00	1.2	8
21	6 17	12 31	18 45	94	0 25.9	2 04	3.9	1.00	1.2	6
29	5 56	12 22	18 48	98	0 48.5	4 33	3.9	1.00	1.2	5
IV 6	5 36	12 13	18 51	102	1 11.1	6 58	3.9	1.00	1.2	3
14	5 15	12 04	18 53	106	1 33.7	9 18	3.9	1.00	1.2	1
22	4 55	11 55	18 56	109	1 56.5	11 32	3.8	1.00	1.2	-1
30	4 36	11 46	18 58	113	2 19.4	13 37	3.8	1.00	1.2	-3
V 8	4 17	11 38	19 00	116	2 42.4	15 34	3.8	1.00	1.3	-5
16	3 59	11 30	19 02	119	3 05.7	17 20	3.8	1.00	1.3	-6
24	3 41	11 22	19 03	121	3 29.2	18 55	3.8	1.00	1.4	-8
VI 1	3 25	11 14	19 03	124	3 52.9	20 18	3.8	1.00	1.4	-10
9	3 10	11 06	19 03	126	4 16.7	21 28	3.8	0.99	1.4	-12
17	2 57	10 59	19 01	127	4 40.6	22 26	3.8	0.99	1.5	-14
25	2 44	10 51	18 58	129	5 04.6	23 09	3.8	0.99	1.5	-16
VII 3	2 33	10 43	18 54	130	5 28.5	23 39	3.8	0.99	1.5	-18
11	2 24	10 36	18 48	130	5 52.4	23 55	3.8	0.99	1.6	-21
19	2 16	10 28	18 40	130	6 16.1	23 57	3.9	0.98	1.6	-23
27	2 09	10 20	18 30	130	6 39.5	23 47	3.9	0.98	1.6	-25
VIII 4	2 03	10 11	18 19	129	7 02.6	23 23	3.9	0.98	1.6	-27
12	1 58	10 02	18 06	128	7 25.3	22 48	4.0	0.97	1.6	-30
20	1 54	9 53	17 52	126	7 47.6	22 02	4.0	0.97	1.6	-32
28	1 50	9 43	17 36	125	8 09.4	21 06	4.1	0.97	1.6	-35
IX 5	1 47	9 33	17 19	123	8 30.6	20 00	4.1	0.96	1.6	-38
13	1 43	9 22	17 01	121	8 51.4	18 47	4.2	0.96	1.6	-40
21	1 40	9 11	16 42	118	9 11.7	17 26	4.3	0.95	1.6	-43
29	1 36	8 59	16 22	116	9 31.4	15 60	4.4	0.95	1.6	-46
X 7	1 32	8 47	16 01	113	9 50.6	14 28	4.5	0.94	1.6	-49
15	1 28	8 34	15 40	111	10 09.3	12 53	4.6	0.94	1.6	-52
23	1 23	8 21	15 18	108	10 27.5	11 14	4.7	0.93	1.5	-55
31	1 17	8 07	14 56	105	10 45.3	9 34	4.9	0.93	1.5	-59
XI 8	1 12	7 53	14 33	103	11 02.6	7 53	5.0	0.92	1.4	-62
16	1 05	7 38	14 10	100	11 19.5	6 12	5.2	0.92	1.4	-66
24	0 58	7 23	13 47	98	11 35.8	4 33	5.4	0.92	1.3	-69
XII 2	0 50	7 07	13 24	95	11 51.7	2 55	5.7	0.91	1.2	-73
10	0 42	6 51	12 60	93	12 07.1	1 20	5.9	0.91	1.1	-77
18	0 32	6 34	12 36	90	12 21.9	- 0 10	6.2	0.91	1.0	-81
26	0 22	6 17	12 12	88	12 36.1	- 1 36	6.6	0.90	0.9	-85
2014 I 3	0 10	5 59	11 47	86	12 49.5	- 2 56	7.0	0.90	0.8	-90