

MARS

M d 2012	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	ΔI
	$\lambda=0$		$\varphi=50$		0^hUT					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	22 13	4 50	11 25	101	11 27.4	6 41	8.9	0.91	0.2	-109
8	21 50	4 26	10 58	100	11 34.1	6 13	9.6	0.92	0.0	-115
16	21 24	3 59	10 30	100	11 38.5	5 59	10.3	0.93	-0.1	-122
24	20 53	3 29	10 00	100	11 40.4	6 03	11.0	0.95	-0.3	-130
II 1	20 18	2 56	9 30	101	11 39.2	6 25	11.8	0.96	-0.6	-139
9	19 39	2 20	8 57	102	11 34.9	7 05	12.6	0.97	-0.8	-148
17	18 55	1 42	8 23	103	11 27.6	8 01	13.2	0.99	-1.0	-158
25	18 08	1 00	7 47	105	11 17.6	9 08	13.7	1.00	-1.1	-168
III 4	17 19	0 17	7 10	107	11 06.0	10 18	13.9	1.00	-1.2	-176
12	16 31	23 29	6 32	109	10 54.1	11 22	13.8	1.00	-1.1	168
20	15 45	22 47	5 54	110	10 43.3	12 11	13.5	0.99	-1.0	158
28	15 02	22 07	5 17	111	10 34.7	12 42	12.9	0.97	-0.8	148
IV 5	14 25	21 30	4 40	111	10 29.1	12 53	12.2	0.96	-0.6	138
13	13 52	20 57	4 06	111	10 26.6	12 46	11.5	0.94	-0.4	130
21	13 23	20 26	3 33	110	10 27.1	12 21	10.8	0.93	-0.2	123
29	12 59	19 58	3 01	109	10 30.4	11 42	10.1	0.92	-0.1	116
V 7	12 37	19 33	2 31	108	10 36.1	10 50	9.5	0.91	0.1	110
15	12 19	19 09	2 02	106	10 43.8	9 46	8.9	0.90	0.2	104
23	12 03	18 47	1 34	104	10 53.2	8 34	8.4	0.89	0.4	99
31	11 49	18 27	1 07	102	11 04.1	7 12	7.9	0.89	0.5	94
VI 8	11 37	18 07	0 40	100	11 16.1	5 43	7.5	0.89	0.6	90
16	11 27	17 49	0 14	97	11 29.1	4 08	7.2	0.89	0.7	86
24	11 17	17 31	23 45	94	11 43.0	2 27	6.9	0.89	0.8	82
VII 2	11 09	17 15	23 20	91	11 57.7	0 41	6.6	0.89	0.9	79
10	11 01	16 58	22 55	89	12 13.1	- 1 09	6.3	0.89	0.9	75
18	10 55	16 43	22 31	86	12 29.2	- 3 02	6.1	0.89	1.0	72
26	10 49	16 28	22 07	83	12 45.9	- 4 57	5.9	0.90	1.0	69
VIII 3	10 45	16 14	21 43	80	13 03.3	- 6 53	5.7	0.90	1.1	66
11	10 41	16 01	21 20	77	13 21.2	- 8 50	5.5	0.90	1.1	63
19	10 37	15 48	20 58	73	13 39.9	- 10 46	5.4	0.91	1.2	61
27	10 35	15 36	20 36	70	13 59.2	- 12 39	5.3	0.91	1.2	58
IX 4	10 33	15 24	20 15	68	14 19.3	- 14 30	5.1	0.92	1.2	55
12	10 32	15 14	19 55	65	14 40.1	- 16 15	5.0	0.92	1.2	53
20	10 31	15 04	19 36	62	15 01.7	- 17 55	4.9	0.93	1.2	51
28	10 31	14 55	19 18	59	15 24.0	- 19 27	4.9	0.93	1.2	48
X 6	10 30	14 46	19 02	57	15 47.1	- 20 49	4.8	0.93	1.2	46
14	10 30	14 39	18 47	55	16 11.0	- 22 01	4.7	0.94	1.2	44
22	10 30	14 32	18 34	53	16 35.6	- 23 01	4.6	0.94	1.2	42
30	10 28	14 26	18 23	52	17 00.9	- 23 47	4.6	0.95	1.2	40
XI 7	10 26	14 20	18 14	51	17 26.7	- 24 17	4.5	0.95	1.2	37
15	10 22	14 15	18 07	51	17 53.0	- 24 32	4.5	0.96	1.2	35
23	10 17	14 10	18 03	51	18 19.6	- 24 30	4.4	0.96	1.2	33
XII 1	10 10	14 05	18 01	51	18 46.4	- 24 10	4.4	0.97	1.2	31
9	10 01	14 00	18 00	53	19 13.2	- 23 33	4.3	0.97	1.2	29
17	9 50	13 55	18 01	54	19 39.9	- 22 38	4.3	0.97	1.2	28
25	9 38	13 50	18 04	56	20 06.4	- 21 27	4.2	0.98	1.2	26
2013 I 2	9 23	13 45	18 07	59	20 32.5	- 20 01	4.2	0.98	1.2	24