MARS

M d 2011	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	Δl
	λ=0		φ=50		0^hUT					
	h m	h m	h m	°	h m	° '	"		m	°
I 0	8 38	12 39	16 41	53	19 16.8	- 23 15	3.9	1.00	1.2	8
8	8 27	12 34	16 42	55	19 43.5	- 22 21	3.9	1.00	1.2	7
16	8 15	12 29	16 44	57	20 09.9	- 21 10	3.9	1.00	1.1	5
24	8 00	12 24	16 47	59	20 35.9	- 19 43	3.9	1.00	1.1	3
II 1	7 45	12 18	16 51	62	21 01.5	- 18 03	3.9	1.00	1.1	1
9	7 28	12 11	16 55	65	21 26.7	- 16 11	3.9	1.00	1.1	-1
17	7 10	12 05	16 59	69	21 51.5	- 14 08	3.9	1.00	1.1	-3
25	6 52	11 57	17 04	72	22 15.8	- 11 55	4.0	1.00	1.1	-5
III 5	6 32	11 50	17 08	76	22 39.7	- 9 36	4.0	1.00	1.1	-6
13	6 12	11 42	17 12	80	23 03.3	- 7 11	4.0	1.00	1.1	-8
21	5 52	11 33	17 15	84	23 26.5	- 4 42	4.0	1.00	1.2	-10
29	5 32	11 25	17 19	88	23 49.5	- 2 11	4.0	1.00	1.2	-11
IV 6	5 11	11 16	17 22	92	0 12.3	0 21	4.0	0.99	1.2	-13
14	4 50	11 07	17 25	95	0 35.0	2 51	4.0	0.99	1.2	-15
22	4 29	10 58	17 28	99	0 57.7	5 18	4.0	0.99	1.2	-16
30	4 09	10 50	17 31	103	1 20.4	7 41	4.0	0.99	1.2	-18
V 8	3 49	10 41	17 34	107	1 43.1	9 58	4.0	0.99	1.3	-20
16	3 29	10 32	17 36	110	2 06.0	12 08	4.1	0.98	1.3	-21
24	3 10	10 24	17 38	113	2 29.1	14 10	4.1	0.98	1.3	-23
VI 1	2 51	10 15	17 40	116	2 52.3	16 03	4.1	0.98	1.3	-25
9	2 34	10 07	17 41	119	3 15.7	17 45	4.1	0.97	1.3	-27
17	2 17	9 59	17 42	122	3 39.3	19 15	4.2	0.97	1.4	-28
25	2 01	9 51	17 42	124	4 03.0	20 33	4.2	0.97	1.4	-30
VII 3	1 47	9 44	17 41	126	4 26.8	21 39	4.2	0.96	1.4	-32
11	1 34	9 36	17 39	128	4 50.7	22 31	4.3	0.96	1.4	-34
19	1 22	9 28	17 35	129	5 14.5	23 09	4.3	0.96	1.4	-36
27	1 11	9 21	17 30	129	5 38.2	23 34	4.4	0.95	1.4	-39
VIII 4	1 02	9 13	17 23	130	6 01.8	23 46	4.4	0.95	1.4	-41
12	0 54	9 04	17 15	130	6 25.0	23 45	4.5	0.94	1.4	-43
20	0 46	8 56	17 05	129	6 47.9	23 31	4.6	0.94	1.4	-46
28	0 40	8 46	16 52	128	7 10.4	23 06	4.7	0.94	1.4	-48
IX 5	0 35	8 37	16 39	127	7 32.3	22 30	4.7	0.93	1.4	-51
13	0 29	8 27	16 24	126	7 53.7	21 45	4.9	0.93	1.4	-54
21	0 24	8 16	16 07	124	8 14.5	20 51	5.0	0.92	1.3	-57
29	0 19	8 05	15 49	122	8 34.7	19 50	5.1	0.92	1.3	-60
X 7	0 14	7 52	15 31	121	8 54.1	18 42	5.3	0.91	1.3	-63
15	0 08	7 40	15 11	119	9 12.9	17 30	5.5	0.91	1.2	-66
23	0 01	7 26	14 50	116	9 30.9	16 15	5.7	0.91	1.2	-69
31	23 53	7 12	14 29	114	9 48.2	14 58	5.9	0.90	1.1	-73
XI 8	23 45	6 57	14 07	112	10 04.6	13 40	6.1	0.90	1.0	-77
16	23 36	6 41	13 44	110	10 20.3	12 23	6.4	0.90	0.9	-81
24	23 25	6 24	13 21	108	10 35.0	11 08	6.8	0.90	0.8	-85
XII 2	23 13	6 06	12 57	106	10 48.6	9 57	7.1	0.90	0.7	-90
10	22 59	5 47	12 33	104	11 01.2	8 52	7.5	0.90	0.6	-95
18	22 44	5 27	12 07	103	11 12.4	7 54	8.0	0.90	0.5	-100
26	22 26	5 05	11 42	102	11 22.2	7 06	8.6	0.91	0.3	-105
2012 I 3	22 05	4 41	11 15	101	11 30.1	6 29	9.2	0.92	0.2	-111