

### MARS

M d 2009	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	F	V	$\Delta I$
	$\lambda=0$		$\varphi=50$		0 <sup>h</sup> UT					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	7 37	11 33	15 28	51	18 12.1	- 24 06	3.9	1.00	1.3	-7
8	7 31	11 28	15 25	52	18 38.6	- 23 54	3.9	1.00	1.3	-9
16	7 22	11 22	15 23	53	19 05.0	- 23 26	3.9	1.00	1.3	-11
24	7 12	11 17	15 23	54	19 31.4	- 22 40	3.9	0.99	1.3	-13
II 1	7 01	11 12	15 24	56	19 57.7	- 21 39	4.0	0.99	1.3	-15
9	6 47	11 06	15 26	58	20 23.6	- 20 22	4.0	0.99	1.3	-17
17	6 32	11 00	15 29	61	20 49.2	- 18 51	4.1	0.99	1.3	-19
25	6 16	10 54	15 33	64	21 14.4	- 17 08	4.1	0.98	1.2	-21
III 5	5 59	10 47	15 36	67	21 39.2	- 15 12	4.1	0.98	1.2	-23
13	5 41	10 40	15 40	70	22 03.6	- 13 07	4.2	0.98	1.2	-24
21	5 22	10 33	15 44	74	22 27.5	- 10 54	4.2	0.97	1.2	-26
29	5 02	10 25	15 48	78	22 51.1	- 8 35	4.3	0.97	1.2	-28
IV 6	4 42	10 16	15 51	81	23 14.4	- 6 10	4.3	0.97	1.2	-29
14	4 22	10 08	15 54	85	23 37.4	- 3 43	4.4	0.96	1.2	-31
22	4 01	9 59	15 57	89	0 00.2	- 1 14	4.4	0.96	1.2	-32
30	3 41	9 50	16 00	93	0 22.9	1 15	4.5	0.96	1.2	-34
V 8	3 20	9 41	16 03	97	0 45.5	3 41	4.5	0.95	1.2	-36
16	3 00	9 32	16 06	100	1 08.0	6 05	4.6	0.95	1.2	-37
24	2 39	9 23	16 08	104	1 30.6	8 24	4.6	0.94	1.2	-39
VI 1	2 19	9 14	16 10	108	1 53.3	10 36	4.7	0.94	1.2	-41
9	2 00	9 06	16 12	111	2 16.1	12 42	4.7	0.94	1.1	-42
17	1 41	8 57	16 14	114	2 39.0	14 38	4.8	0.93	1.1	-44
25	1 23	8 49	16 15	117	3 02.1	16 25	4.9	0.93	1.1	-46
VII 3	1 05	8 40	16 16	120	3 25.2	18 01	5.0	0.92	1.1	-48
11	0 49	8 32	16 16	122	3 48.5	19 26	5.0	0.92	1.1	-50
19	0 33	8 24	16 15	124	4 11.8	20 38	5.1	0.92	1.1	-52
27	0 19	8 16	16 13	126	4 35.1	21 39	5.2	0.91	1.1	-54
VIII 4	0 05	8 07	16 09	127	4 58.3	22 26	5.3	0.91	1.1	-56
12	23 51	7 59	16 05	128	5 21.3	23 01	5.5	0.90	1.0	-58
20	23 40	7 50	15 58	129	5 44.0	23 23	5.6	0.90	1.0	-61
28	23 30	7 41	15 50	129	6 06.3	23 33	5.8	0.90	1.0	-63
IX 5	23 20	7 31	15 40	129	6 28.1	23 33	5.9	0.89	1.0	-66
13	23 11	7 20	15 28	129	6 49.4	23 22	6.1	0.89	0.9	-69
21	23 03	7 09	15 15	128	7 09.9	23 02	6.3	0.89	0.9	-72
29	22 54	6 58	15 00	127	7 29.6	22 34	6.6	0.89	0.8	-75
X 7	22 45	6 45	14 44	126	7 48.4	22 01	6.8	0.88	0.7	-79
15	22 35	6 31	14 26	125	8 06.2	21 23	7.1	0.88	0.7	-83
23	22 24	6 16	14 07	124	8 22.9	20 42	7.5	0.88	0.6	-87
31	22 12	6 00	13 46	123	8 38.3	20 01	7.9	0.89	0.5	-91
XI 8	21 58	5 42	13 25	122	8 52.2	19 21	8.3	0.89	0.3	-96
16	21 42	5 23	13 02	121	9 04.6	18 46	8.8	0.89	0.2	-101
24	21 24	5 02	12 38	120	9 15.1	18 17	9.3	0.90	0.1	-106
XII 2	21 02	4 39	12 13	119	9 23.5	17 57	10.0	0.91	-0.1	-112
10	20 37	4 13	11 46	119	9 29.4	17 49	10.6	0.92	-0.2	-119
18	20 07	3 45	11 19	119	9 32.4	17 56	11.4	0.94	-0.4	-126
26	19 33	3 13	10 49	120	9 32.3	18 18	12.1	0.95	-0.6	-135
2010 I 3	18 54	2 38	10 18	121	9 28.7	18 56	12.8	0.97	-0.8	-144