

### MARS

M d 2010	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	19 09	2 52	10 30	121	9 30.4	18 40	12.6	0.96	-0.7	-140
8	18 27	2 14	9 57	122	9 24.6	19 27	13.3	0.98	-0.9	-150
16	17 40	1 34	9 22	124	9 15.4	20 25	13.8	0.99	-1.1	-160
24	16 50	0 51	8 45	126	9 03.6	21 27	14.1	1.00	-1.2	-171
II 1	16 00	0 06	8 07	127	8 50.6	22 24	14.1	1.00	-1.3	175
9	15 11	23 17	7 27	129	8 37.8	23 08	13.8	0.99	-1.1	165
17	14 26	22 35	6 48	129	8 26.9	23 37	13.2	0.98	-0.9	155
25	13 46	21 56	6 10	130	8 18.9	23 49	12.5	0.97	-0.7	145
III 5	13 10	21 20	5 34	130	8 14.4	23 47	11.7	0.96	-0.5	136
13	12 40	20 48	5 00	129	8 13.4	23 33	10.9	0.94	-0.3	128
21	12 13	20 19	4 28	129	8 15.6	23 09	10.2	0.93	-0.1	121
29	11 51	19 53	3 58	128	8 20.7	22 36	9.5	0.92	0.1	114
IV 6	11 31	19 29	3 30	126	8 28.1	21 55	8.8	0.91	0.3	108
14	11 14	19 07	3 03	125	8 37.5	21 07	8.3	0.90	0.4	102
22	11 00	18 47	2 37	123	8 48.5	20 12	7.8	0.90	0.6	97
30	10 47	18 28	2 11	121	9 00.7	19 10	7.3	0.90	0.7	93
V 8	10 35	18 09	1 46	120	9 14.0	18 01	6.9	0.90	0.8	88
16	10 25	17 52	1 22	117	9 28.0	16 46	6.6	0.90	0.9	84
24	10 16	17 35	0 57	115	9 42.8	15 23	6.3	0.90	1.0	80
VI 1	10 08	17 19	0 33	113	9 58.0	13 55	6.0	0.90	1.1	76
9	10 00	17 03	0 09	110	10 13.7	12 20	5.8	0.90	1.2	73
17	9 53	16 48	23 42	107	10 29.7	10 40	5.5	0.91	1.3	69
25	9 47	16 33	23 18	104	10 46.0	8 54	5.4	0.91	1.3	66
VII 3	9 41	16 18	22 54	101	11 02.7	7 04	5.2	0.91	1.4	63
11	9 36	16 03	22 30	98	11 19.6	5 10	5.0	0.92	1.4	60
19	9 31	15 49	22 06	95	11 36.7	3 13	4.9	0.92	1.4	57
27	9 26	15 35	21 43	92	11 54.2	1 12	4.8	0.93	1.5	54
VIII 4	9 22	15 21	21 19	89	12 11.9	- 0 50	4.7	0.93	1.5	52
12	9 19	15 08	20 56	86	12 30.0	- 2 54	4.6	0.94	1.5	49
20	9 16	14 55	20 33	83	12 48.5	- 4 58	4.5	0.94	1.5	46
28	9 13	14 42	20 10	79	13 07.4	- 7 02	4.4	0.95	1.5	44
IX 5	9 11	14 30	19 48	76	13 26.7	- 9 05	4.3	0.95	1.5	41
13	9 09	14 18	19 27	73	13 46.6	- 11 05	4.3	0.96	1.5	39
21	9 08	14 07	19 06	70	14 07.0	- 13 01	4.2	0.96	1.5	36
29	9 07	13 57	18 45	67	14 28.1	- 14 53	4.2	0.97	1.5	34
X 7	9 07	13 47	18 26	64	14 49.8	- 16 39	4.1	0.97	1.5	31
15	9 07	13 38	18 08	61	15 12.1	- 18 17	4.1	0.97	1.5	29
23	9 07	13 29	17 51	59	15 35.2	- 19 47	4.0	0.98	1.4	27
31	9 07	13 22	17 36	57	15 58.9	- 21 06	4.0	0.98	1.4	24
XI 8	9 07	13 15	17 22	55	16 23.4	- 22 13	4.0	0.98	1.4	22
16	9 07	13 08	17 10	53	16 48.5	- 23 07	4.0	0.99	1.4	20
24	9 05	13 02	17 00	52	17 14.1	- 23 47	4.0	0.99	1.3	18
XII 2	9 02	12 57	16 52	51	17 40.2	- 24 11	4.0	0.99	1.3	16
10	8 58	12 52	16 46	51	18 06.7	- 24 18	3.9	0.99	1.3	14
18	8 52	12 47	16 43	51	18 33.4	- 24 08	3.9	1.00	1.3	12
26	8 44	12 42	16 41	52	19 00.1	- 23 41	3.9	1.00	1.2	10
2011 I 3	8 34	12 37	16 41	54	19 26.9	- 22 57	3.9	1.00	1.2	8