

MARS

M d 2021	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	11 59	18 57	1 57	108	1 38.7	11 10	10.5	0.89	-0.3	107
8	11 34	18 39	1 46	111	1 52.1	12 35	9.7	0.89	-0.1	103
16	11 10	18 22	1 37	113	2 06.7	14 00	9.0	0.89	0.1	98
24	10 46	18 07	1 29	115	2 22.3	15 26	8.4	0.89	0.3	94
II 1	10 23	17 52	1 22	118	2 38.8	16 50	7.9	0.89	0.4	90
9	10 02	17 38	1 15	120	2 56.1	18 10	7.4	0.89	0.6	86
17	9 41	17 24	1 09	122	3 14.1	19 26	6.9	0.89	0.7	83
25	9 21	17 11	1 03	124	3 32.8	20 37	6.6	0.89	0.9	79
III 5	9 02	16 59	0 58	126	3 52.0	21 40	6.2	0.90	1.0	76
13	8 44	16 47	0 52	128	4 11.8	22 36	5.9	0.90	1.1	73
21	8 28	16 36	0 46	129	4 32.0	23 24	5.6	0.91	1.2	69
29	8 13	16 25	0 39	130	4 52.6	24 02	5.4	0.91	1.3	66
IV 6	7 59	16 15	0 32	131	5 13.5	24 30	5.2	0.92	1.3	63
14	7 46	16 04	0 23	132	5 34.7	24 47	5.0	0.92	1.4	60
22	7 35	15 54	0 14	132	5 56.0	24 54	4.8	0.93	1.5	57
30	7 26	15 44	0 03	132	6 17.4	24 50	4.7	0.93	1.5	54
V 8	7 18	15 34	23 50	131	6 38.8	24 34	4.5	0.94	1.6	51
16	7 10	15 24	23 36	130	7 00.2	24 08	4.4	0.94	1.7	48
24	7 04	15 13	23 22	129	7 21.4	23 31	4.3	0.95	1.7	46
VI 1	6 59	15 03	23 06	128	7 42.4	22 44	4.2	0.95	1.7	43
9	6 55	14 52	22 49	126	8 03.3	21 47	4.1	0.96	1.8	40
17	6 51	14 41	22 31	124	8 23.9	20 40	4.0	0.96	1.8	37
25	6 47	14 30	22 12	122	8 44.3	19 25	3.9	0.97	1.8	35
VII 3	6 44	14 19	21 52	119	9 04.3	18 01	3.8	0.97	1.8	32
11	6 41	14 07	21 32	117	9 24.2	16 30	3.8	0.98	1.8	29
19	6 38	13 55	21 11	114	9 43.7	14 53	3.7	0.98	1.8	27
27	6 35	13 43	20 50	111	10 03.1	13 09	3.7	0.98	1.8	24
VIII 4	6 32	13 30	20 28	108	10 22.2	11 19	3.6	0.99	1.8	21
12	6 29	13 18	20 06	105	10 41.2	9 25	3.6	0.99	1.8	19
20	6 26	13 05	19 43	102	11 00.1	7 27	3.6	0.99	1.8	16
28	6 23	12 52	19 21	99	11 18.9	5 26	3.6	0.99	1.8	14
IX 5	6 21	12 40	18 58	96	11 37.7	3 22	3.6	1.00	1.8	11
13	6 18	12 27	18 35	92	11 56.6	1 17	3.6	1.00	1.7	8
21	6 15	12 14	18 13	89	12 15.5	- 0 50	3.5	1.00	1.7	6
29	6 13	12 02	17 50	86	12 34.5	- 2 56	3.6	1.00	1.7	3
X 7	6 11	11 50	17 28	83	12 53.8	- 5 02	3.6	1.00	1.6	1
15	6 09	11 38	17 06	79	13 13.3	- 7 07	3.6	1.00	1.6	-2
23	6 07	11 26	16 44	76	13 33.1	- 9 09	3.6	1.00	1.7	-5
31	6 06	11 15	16 23	73	13 53.3	- 11 08	3.6	1.00	1.7	-8
XI 8	6 05	11 04	16 02	70	14 14.0	- 13 02	3.6	1.00	1.6	-10
16	6 04	10 53	15 43	67	14 35.1	- 14 50	3.7	1.00	1.6	-13
24	6 03	10 43	15 23	64	14 56.7	- 16 32	3.7	0.99	1.6	-15
XII 2	6 02	10 34	15 05	62	15 18.8	- 18 07	3.8	0.99	1.6	-18
10	6 02	10 25	14 49	59	15 41.5	- 19 32	3.8	0.99	1.6	-21
18	6 01	10 17	14 33	57	16 04.7	- 20 47	3.9	0.98	1.6	-23
26	5 59	10 09	14 19	55	16 28.5	- 21 50	3.9	0.98	1.6	-26
2022 I 3	5 57	10 02	14 06	54	16 52.7	- 22 42	4.0	0.98	1.5	-28