

MARS

M d 2022	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	5 58	10 05	14 11	54	16 43.6	- 22 24	4.0	0.98	1.5	-27
8	5 56	9 58	13 59	53	17 08.1	- 23 07	4.1	0.97	1.5	-30
16	5 52	9 51	13 50	52	17 33.1	- 23 36	4.1	0.97	1.5	-32
24	5 47	9 45	13 42	52	17 58.3	- 23 50	4.2	0.96	1.4	-34
II 1	5 41	9 39	13 36	52	18 23.8	- 23 49	4.3	0.96	1.4	-37
9	5 33	9 33	13 32	52	18 49.3	- 23 33	4.4	0.95	1.4	-39
17	5 24	9 27	13 30	53	19 14.9	- 23 01	4.5	0.95	1.3	-41
25	5 13	9 21	13 29	55	19 40.3	- 22 14	4.6	0.94	1.3	-43
III 5	5 00	9 14	13 29	57	20 05.6	- 21 13	4.7	0.94	1.2	-45
13	4 46	9 08	13 30	59	20 30.6	- 19 58	4.9	0.93	1.2	-47
21	4 31	9 01	13 31	61	20 55.2	- 18 30	5.0	0.93	1.1	-49
29	4 14	8 54	13 34	64	21 19.5	- 16 51	5.1	0.92	1.1	-51
IV 6	3 57	8 46	13 36	67	21 43.5	- 15 01	5.3	0.91	1.0	-53
14	3 38	8 38	13 38	70	22 07.0	- 13 03	5.4	0.91	1.0	-55
22	3 19	8 30	13 41	74	22 30.2	- 10 57	5.6	0.90	0.9	-57
30	3 00	8 21	13 43	77	22 53.1	- 8 45	5.7	0.90	0.9	-58
V 8	2 40	8 12	13 45	81	23 15.7	- 6 30	5.9	0.89	0.8	-60
16	2 19	8 03	13 47	84	23 38.0	- 4 11	6.1	0.88	0.8	-62
24	1 59	7 53	13 49	88	0 00.1	- 1 51	6.2	0.88	0.7	-64
VI 1	1 38	7 44	13 50	92	0 22.0	0 28	6.4	0.87	0.7	-65
9	1 17	7 34	13 51	95	0 43.7	2 45	6.6	0.87	0.6	-67
17	0 57	7 24	13 52	99	1 05.3	5 00	6.8	0.86	0.6	-69
25	0 36	7 14	13 52	102	1 26.8	7 09	7.0	0.86	0.5	-71
VII 3	0 16	7 04	13 52	105	1 48.2	9 13	7.3	0.86	0.4	-73
11	23 53	6 54	13 52	108	2 09.5	11 10	7.5	0.85	0.4	-75
19	23 34	6 43	13 51	111	2 30.6	12 58	7.8	0.85	0.3	-77
27	23 14	6 32	13 49	114	2 51.5	14 38	8.1	0.85	0.2	-79
VIII 4	22 55	6 22	13 46	117	3 12.0	16 08	8.4	0.85	0.2	-82
12	22 36	6 10	13 42	119	3 32.2	17 29	8.7	0.85	0.1	-84
20	22 17	5 58	13 37	121	3 51.8	18 39	9.1	0.85	0.0	-87
28	21 59	5 45	13 30	122	4 10.7	19 40	9.5	0.85	-0.1	-90
IX 5	21 40	5 32	13 22	124	4 28.6	20 31	10.0	0.85	-0.2	-94
13	21 21	5 17	13 11	125	4 45.3	21 14	10.5	0.86	-0.3	-98
21	21 01	5 01	12 59	126	5 00.6	21 50	11.1	0.86	-0.4	-102
29	20 39	4 43	12 44	127	5 14.0	22 19	11.8	0.87	-0.5	-106
X 7	20 16	4 22	12 26	128	5 25.2	22 44	12.5	0.88	-0.7	-112
15	19 50	3 59	12 05	129	5 33.7	23 07	13.3	0.90	-0.9	-118
23	19 21	3 33	11 41	129	5 39.1	23 28	14.1	0.92	-1.0	-124
31	18 49	3 03	11 14	130	5 40.8	23 50	15.0	0.93	-1.2	-132
XI 8	18 12	2 29	10 42	131	5 38.5	24 12	15.8	0.95	-1.4	-140
16	17 32	1 51	10 06	131	5 32.1	24 32	16.6	0.97	-1.6	-150
24	16 48	1 10	9 27	132	5 22.0	24 49	17.0	0.99	-1.7	-160
XII 2	16 03	0 26	8 43	132	5 09.2	24 58	17.2	1.00	-1.8	-171
10	15 18	23 35	7 59	132	4 55.6	24 59	16.9	1.00	-1.8	177
18	14 34	22 51	7 14	132	4 42.9	24 53	16.3	0.99	-1.6	166
26	13 54	22 10	6 31	131	4 32.8	24 43	15.4	0.98	-1.4	156
2023 I 3	13 18	21 33	5 52	131	4 26.3	24 33	14.4	0.97	-1.2	146