

MARS

M d 2020	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	4 40	9 05	13 30	60	15 42.1	- 19 17	4.3	0.96	1.6	-41
8	4 38	8 56	13 14	58	16 04.5	- 20 29	4.4	0.95	1.5	-44
16	4 35	8 47	12 59	56	16 27.2	- 21 31	4.5	0.95	1.5	-47
24	4 32	8 39	12 45	54	16 50.4	- 22 22	4.7	0.94	1.4	-49
II 1	4 28	8 31	12 33	53	17 13.9	- 23 00	4.8	0.93	1.4	-52
9	4 23	8 23	12 23	53	17 37.6	- 23 26	5.0	0.93	1.3	-55
17	4 17	8 15	12 14	52	18 01.6	- 23 39	5.1	0.92	1.2	-57
25	4 09	8 08	12 07	52	18 25.6	- 23 38	5.3	0.91	1.2	-60
III 4	4 00	8 01	12 01	53	18 49.7	- 23 24	5.5	0.91	1.1	-62
12	3 50	7 53	11 56	54	19 13.7	- 22 57	5.8	0.90	1.0	-65
20	3 38	7 45	11 53	55	19 37.6	- 22 18	6.0	0.89	0.9	-67
28	3 25	7 37	11 50	56	20 01.3	- 21 26	6.3	0.89	0.8	-70
IV 5	3 10	7 29	11 49	58	20 24.7	- 20 22	6.6	0.88	0.7	-72
13	2 55	7 21	11 47	60	20 47.7	- 19 08	6.9	0.88	0.6	-74
21	2 38	7 12	11 47	63	21 10.4	- 17 45	7.2	0.87	0.5	-77
29	2 20	7 03	11 46	65	21 32.7	- 16 14	7.5	0.86	0.4	-79
V 7	2 02	6 53	11 45	68	21 54.5	- 14 35	7.9	0.86	0.3	-81
15	1 42	6 43	11 44	71	22 15.9	- 12 51	8.3	0.85	0.2	-83
23	1 23	6 32	11 42	74	22 36.9	- 11 04	8.7	0.85	0.1	-86
31	1 02	6 21	11 40	76	22 57.4	- 9 13	9.2	0.85	-0.0	-88
VI 8	0 42	6 10	11 38	79	23 17.3	- 7 22	9.7	0.85	-0.1	-90
16	0 21	5 57	11 35	82	23 36.7	- 5 31	10.3	0.84	-0.3	-93
24	23 57	5 45	11 31	85	23 55.6	- 3 42	10.9	0.84	-0.4	-95
VII 2	23 35	5 31	11 26	88	0 13.7	- 1 58	11.5	0.84	-0.5	-98
10	23 13	5 17	11 19	90	0 31.0	- 0 18	12.2	0.85	-0.7	-101
18	22 50	5 02	11 11	93	0 47.4	1 15	13.0	0.85	-0.8	-104
26	22 27	4 46	11 02	95	1 02.6	2 39	13.9	0.86	-1.0	-108
VIII 3	22 03	4 28	10 50	97	1 16.4	3 53	14.8	0.87	-1.1	-112
11	21 39	4 08	10 35	98	1 28.4	4 56	15.8	0.88	-1.3	-116
19	21 13	3 47	10 17	100	1 38.3	5 46	17.0	0.89	-1.5	-122
27	20 46	3 22	9 56	101	1 45.5	6 22	18.1	0.91	-1.7	-127
IX 4	20 16	2 55	9 30	101	1 49.7	6 44	19.3	0.93	-1.9	-134
12	19 45	2 24	9 00	101	1 50.5	6 52	20.5	0.95	-2.1	-141
20	19 11	1 50	8 25	101	1 47.6	6 44	21.5	0.97	-2.3	-150
28	18 34	1 12	7 45	101	1 41.4	6 24	22.3	0.98	-2.4	-159
X 6	17 56	0 32	7 03	100	1 32.5	5 56	22.6	1.00	-2.6	-169
14	17 17	23 45	6 19	99	1 22.4	5 27	22.3	1.00	-2.6	-177
22	16 38	23 04	5 35	99	1 12.6	5 02	21.6	1.00	-2.4	169
30	16 00	22 25	4 55	98	1 04.6	4 50	20.4	0.99	-2.2	160
XI 7	15 23	21 49	4 19	98	0 59.4	4 53	19.0	0.97	-1.9	150
15	14 48	21 16	3 47	99	0 57.4	5 13	17.5	0.95	-1.7	142
23	14 15	20 46	3 20	100	0 58.7	5 49	16.0	0.94	-1.4	135
XII 1	13 44	20 19	2 57	101	1 02.9	6 39	14.6	0.92	-1.1	128
9	13 14	19 54	2 37	103	1 09.7	7 41	13.3	0.91	-0.9	122
17	12 46	19 32	2 21	105	1 18.7	8 51	12.2	0.90	-0.6	116
25	12 19	19 12	2 06	107	1 29.5	10 09	11.2	0.90	-0.4	111
2021 I 2	11 53	18 53	1 54	109	1 41.9	11 31	10.3	0.89	-0.2	106