MARS

M d 2018	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	Δl
	λ=0		φ=50		0^hUT					
	h m	h m	h m	°	h m	° '	"		m	°
I 0	3 18	8 07	12 55	67	14 45.5	- 15 02	4.8	0.93	1.5	-56
8	3 14	7 55	12 35	64	15 05.3	- 16 31	4.9	0.93	1.4	-59
16	3 10	7 43	12 16	62	15 25.3	- 17 53	5.1	0.92	1.3	-62
24	3 06	7 32	11 58	60	15 45.5	- 19 06	5.4	0.92	1.3	-66
II 1	3 01	7 21	11 40	58	16 05.8	- 20 11	5.6	0.91	1.2	-69
9	2 56	7 10	11 24	57	16 26.3	- 21 08	5.9	0.90	1.1	-72
17	2 49	6 59	11 08	55	16 46.9	- 21 55	6.2	0.90	1.0	-75
25	2 42	6 48	10 53	54	17 07.4	- 22 32	6.5	0.89	0.9	-78
III 5	2 34	6 37	10 39	53	17 27.9	- 23 01	6.9	0.89	0.7	-82
13	2 25	6 26	10 26	53	17 48.2	- 23 20	7.3	0.89	0.6	-85
21	2 15	6 14	10 13	52	18 08.2	- 23 31	7.7	0.88	0.5	-88
29	2 03	6 02	10 01	52	18 27.9	- 23 33	8.2	0.88	0.3	-92
IV 6	1 50	5 50	9 49	53	18 47.0	- 23 28	8.8	0.88	0.2	-95
14	1 36	5 37	9 37	53	19 05.6	- 23 18	9.4	0.88	0.0	-99
22	1 21	5 23	9 25	53	19 23.3	- 23 02	10.2	0.88	-0.2	-103
30	1 04	5 08	9 12	54	19 40.1	- 22 44	11.0	0.88	-0.3	-107
V 8	0 46	4 52	8 59	54	19 55.8	- 22 24	11.9	0.89	-0.5	-111
16	0 27	4 35	8 43	55	20 10.2	- 22 06	12.9	0.89	-0.8	-115
24	0 07	4 16	8 26	55	20 23.0	- 21 51	14.0	0.90	-1.0	-120
VI 1	23 42	3 56	8 06	56	20 33.9	- 21 43	15.3	0.91	-1.2	-125
9	23 20	3 33	7 43	56	20 42.6	- 21 43	16.7	0.92	-1.5	-131
17	22 55	3 07	7 16	55	20 48.7	- 21 55	18.2	0.94	-1.7	-137
25	22 29	2 39	6 45	55	20 51.7	- 22 20	19.7	0.95	-2.0	-144
VII 3	22 01	2 07	6 09	53	20 51.5	- 22 58	21.2	0.97	-2.2	-152
11	21 31	1 32	5 29	52	20 48.0	- 23 46	22.6	0.98	-2.5	-160
19	20 59	0 54	4 45	50	20 41.4	- 24 39	23.7	0.99	-2.7	-168
27	20 24	0 14	4 00	49	20 32.9	- 25 29	24.2	1.00	-2.8	-174
VIII 4	19 48	23 29	3 15	48	20 23.8	- 26 06	24.3	0.99	-2.7	168
12	19 11	22 50	2 33	47	20 15.8	- 26 27	23.7	0.98	-2.6	160
20	18 34	22 13	1 56	47	20 10.3	- 26 28	22.8	0.97	-2.4	151
28	17 59	21 40	1 25	48	20 08.3	- 26 11	21.5	0.95	-2.2	144
IX 5	17 26	21 11	0 59	49	20 09.9	- 25 39	20.2	0.93	-2.0	136
13	16 54	20 45	0 37	50	20 15.0	- 24 54	18.7	0.92	-1.8	130
21	16 25	20 22	0 21	52	20 23.4	- 23 58	17.4	0.90	-1.6	124
29	15 57	20 01	0 07	54	20 34.3	- 22 51	16.1	0.89	-1.4	119
X 7	15 31	19 43	23 56	56	20 47.4	- 21 35	14.9	0.88	-1.2	115
15	15 06	19 27	23 48	59	21 02.1	- 20 09	13.8	0.87	-1.0	111
23	14 41	19 11	23 42	61	21 18.1	- 18 34	12.9	0.86	-0.8	107
31	14 17	18 57	23 37	64	21 35.1	- 16 51	12.0	0.86	-0.6	103
XI 8	13 53	18 43	23 33	67	21 52.8	- 15 00	11.2	0.86	-0.5	100
16	13 29	18 30	23 30	71	22 10.9	- 13 02	10.5	0.86	-0.3	96
24	13 06	18 17	23 28	74	22 29.5	- 10 58	9.8	0.86	-0.2	93
XII 2	12 43	18 04	23 26	77	22 48.3	- 8 49	9.2	0.86	-0.0	90
10	12 19	17 51	23 24	81	23 07.3	- 6 36	8.7	0.86	0.1	87
18	11 56	17 39	23 23	84	23 26.4	- 4 19	8.2	0.87	0.2	85
26	11 33	17 27	23 22	88	23 45.7	- 2 02	7.7	0.87	0.4	82
2019 I 3	11 10	17 15	23 20	92	0 05.1	0 17	7.3	0.87	0.5	79