

MAKEMAKE

M d 2009	Wsch.	Kulm.	Zach.	A	α	δ	D	V	ΔI
	$\lambda=0^\circ$		$\varphi=50^\circ$		0 ^h UT				
	h m	h m	h m	\pm°	h m	° ' "	"	m	°
I 0	21 08	5 54	14 37	138	12 34.5	28 09	0.0	17.0	-102
8	20 36	5 23	14 06	138	12 34.5	28 14	0.0	17.0	-109
16	20 04	4 51	13 35	139	12 34.4	28 19	0.0	17.0	-116
24	19 31	4 20	13 04	139	12 34.3	28 24	0.0	17.0	-123
II 1	18 59	3 48	12 33	139	12 34.1	28 29	0.0	17.0	-129
9	18 27	3 16	12 02	139	12 33.8	28 34	0.0	17.0	-136
17	17 54	2 45	11 31	139	12 33.4	28 39	0.0	17.0	-141
25	17 21	2 13	11 00	139	12 32.9	28 44	0.0	16.9	-146
III 5	16 49	1 41	10 28	140	12 32.5	28 49	0.0	16.9	-149
13	16 16	1 09	9 57	140	12 31.9	28 53	0.0	16.9	-151
21	15 44	0 37	9 26	140	12 31.4	28 57	0.0	16.9	150
29	15 11	0 05	8 54	140	12 30.8	28 59	0.0	16.9	148
IV 6	14 39	23 29	8 22	140	12 30.2	29 02	0.0	17.0	144
14	14 07	22 57	7 50	140	12 29.7	29 03	0.0	17.0	139
22	13 35	22 25	7 19	140	12 29.2	29 04	0.0	17.0	134
30	13 03	21 53	6 47	140	12 28.7	29 04	0.0	17.0	128
V 8	12 31	21 21	6 15	140	12 28.2	29 03	0.0	17.0	121
16	11 59	20 49	5 43	140	12 27.8	29 01	0.0	17.0	115
24	11 28	20 17	5 10	140	12 27.5	28 59	0.0	17.0	108
VI 1	10 57	19 46	4 38	140	12 27.3	28 56	0.0	17.0	101
9	10 26	19 14	4 06	140	12 27.1	28 52	0.0	17.0	95
17	9 55	18 42	3 34	140	12 27.0	28 48	0.0	17.0	88
25	9 24	18 11	3 02	139	12 27.0	28 43	0.0	17.0	81
VII 3	8 53	17 40	2 30	139	12 27.1	28 38	0.0	17.0	75
11	8 23	17 08	1 58	139	12 27.2	28 32	0.0	17.0	68
19	7 52	16 37	1 26	139	12 27.5	28 27	0.0	17.0	62
27	7 22	16 06	0 54	139	12 27.8	28 21	0.0	17.0	56
VIII 4	6 52	15 35	0 22	138	12 28.2	28 15	0.0	17.0	50
12	6 22	15 04	23 46	138	12 28.6	28 09	0.0	17.0	44
20	5 51	14 33	23 14	138	12 29.1	28 03	0.0	17.0	39
28	5 21	14 02	22 43	138	12 29.7	27 57	0.0	17.0	34
IX 5	4 51	13 31	22 11	138	12 30.3	27 52	0.0	17.0	31
13	4 21	13 00	21 40	137	12 31.0	27 47	0.0	17.0	29
21	3 51	12 30	21 08	137	12 31.6	27 42	0.0	17.0	-29
29	3 21	11 59	20 37	137	12 32.3	27 38	0.0	17.0	-30
X 7	2 50	11 28	20 06	137	12 33.0	27 35	0.0	17.0	-33
15	2 20	10 57	19 35	137	12 33.7	27 32	0.0	17.0	-38
23	1 49	10 27	19 04	137	12 34.4	27 30	0.0	17.0	-43
31	1 19	9 56	18 33	137	12 35.0	27 29	0.0	17.0	-49
XI 8	0 48	9 25	18 02	137	12 35.6	27 28	0.0	17.0	-55
16	0 17	8 54	17 31	137	12 36.2	27 28	0.0	17.0	-62
24	23 42	8 23	17 00	137	12 36.6	27 29	0.0	17.0	-68
XII 2	23 11	7 52	16 29	137	12 37.1	27 31	0.0	17.0	-75
10	22 39	7 21	15 58	137	12 37.4	27 33	0.0	17.0	-82
18	22 08	6 50	15 28	137	12 37.7	27 36	0.0	17.0	-90
26	21 36	6 18	14 57	137	12 37.9	27 40	0.0	17.0	-97
2010 I 3	21 04	5 47	14 26	137	12 38.0	27 44	0.0	17.0	-104