

MAKEMAKE

M	d	Wschr.	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 16	5 59	14 38	137	12 37.9	27 43	0.0	17.0	-101
	8	20 44	5 27	14 07	137	12 38.0	27 47	0.0	17.0	-108
	16	20 12	4 56	13 36	138	12 37.9	27 52	0.0	17.0	-115
	24	19 40	4 24	13 05	138	12 37.8	27 57	0.0	17.0	-122
II	1	19 07	3 53	12 34	138	12 37.6	28 02	0.0	17.0	-129
	9	18 35	3 21	12 03	138	12 37.3	28 07	0.0	17.0	-135
	17	18 02	2 49	11 32	138	12 36.9	28 13	0.0	17.0	-140
	25	17 30	2 17	11 01	139	12 36.5	28 18	0.0	17.0	-145
III	5	16 57	1 45	10 29	139	12 36.0	28 22	0.0	16.9	-149
	13	16 25	1 13	9 58	139	12 35.5	28 26	0.0	16.9	-150
	21	15 52	0 41	9 26	139	12 34.9	28 30	0.0	16.9	150
	29	15 20	0 09	8 55	139	12 34.4	28 33	0.0	16.9	148
IV	6	14 47	23 33	8 23	139	12 33.8	28 35	0.0	17.0	145
	14	14 15	23 01	7 51	139	12 33.3	28 37	0.0	17.0	140
	22	13 43	22 29	7 19	139	12 32.7	28 38	0.0	17.0	134
	30	13 11	21 57	6 47	139	12 32.2	28 38	0.0	17.0	129
V	8	12 39	21 25	6 15	139	12 31.8	28 37	0.0	17.0	122
	16	12 08	20 54	5 43	139	12 31.4	28 35	0.0	17.0	116
	24	11 36	20 22	5 11	139	12 31.1	28 33	0.0	17.0	109
VI	1	11 05	19 50	4 39	139	12 30.8	28 30	0.0	17.0	103
	9	10 34	19 18	4 07	139	12 30.6	28 27	0.0	17.0	96
	17	10 03	18 47	3 35	139	12 30.5	28 22	0.0	17.0	89
	25	9 32	18 15	3 03	139	12 30.5	28 18	0.0	17.0	83
VII	3	9 01	17 44	2 31	138	12 30.5	28 13	0.0	17.0	76
	11	8 31	17 13	1 59	138	12 30.7	28 07	0.0	17.0	69
	19	8 00	16 41	1 27	138	12 30.9	28 01	0.0	17.0	63
	27	7 30	16 10	0 55	138	12 31.2	27 55	0.0	17.0	57
VIII	4	6 60	15 39	0 23	138	12 31.6	27 49	0.0	17.0	51
	12	6 29	15 08	23 47	137	12 32.0	27 43	0.0	17.0	45
	20	5 59	14 37	23 15	137	12 32.5	27 38	0.0	17.0	40
	28	5 29	14 06	22 44	137	12 33.1	27 32	0.0	17.0	35
IX	5	4 59	13 36	22 12	137	12 33.7	27 26	0.0	17.0	31
	13	4 29	13 05	21 41	137	12 34.3	27 21	0.0	17.0	29
	21	3 59	12 34	21 09	136	12 35.0	27 17	0.0	17.0	28
	29	3 28	12 03	20 38	136	12 35.7	27 13	0.0	17.0	-30
X	7	2 58	11 32	20 07	136	12 36.4	27 09	0.0	17.0	-33
	15	2 28	11 02	19 36	136	12 37.1	27 06	0.0	17.0	-37
	23	1 57	10 31	19 05	136	12 37.7	27 04	0.0	17.0	-42
	31	1 26	9 60	18 34	136	12 38.4	27 03	0.0	17.0	-48
XI	8	0 56	9 29	18 03	136	12 39.0	27 02	0.0	17.0	-54
	16	0 25	8 58	17 32	136	12 39.5	27 02	0.0	17.0	-61
	24	23 50	8 27	17 01	136	12 40.0	27 03	0.0	17.0	-67
XII	2	23 19	7 56	16 30	136	12 40.5	27 04	0.0	17.0	-74
	10	22 47	7 25	15 59	136	12 40.8	27 07	0.0	17.0	-81
	18	22 16	6 54	15 28	136	12 41.1	27 10	0.0	17.0	-88
	26	21 44	6 23	14 58	136	12 41.3	27 13	0.0	17.0	-96
2011 I	3	21 12	5 51	14 27	136	12 41.4	27 17	0.0	17.0	-103