

MAKEMAKE

M	d	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	$^\circ \quad ' \quad ''$	"	m	$^\circ$
I	0	21 24	6 03	14 38	136	12 41.4	27 16	0.0	17.0	-100
	8	20 52	5 32	14 08	137	12 41.4	27 20	0.0	17.0	-107
	16	20 20	5 00	13 37	137	12 41.4	27 25	0.0	17.0	-114
	24	19 48	4 29	13 06	137	12 41.3	27 30	0.0	17.0	-121
II	1	19 15	3 57	12 35	137	12 41.1	27 35	0.0	17.0	-128
	9	18 43	3 25	12 04	137	12 40.8	27 40	0.0	17.0	-134
	17	18 10	2 53	11 33	137	12 40.4	27 46	0.0	17.0	-140
	25	17 38	2 22	11 01	138	12 40.0	27 50	0.0	17.0	-144
III	5	17 05	1 50	10 30	138	12 39.5	27 55	0.0	17.0	-148
	13	16 33	1 18	9 59	138	12 39.0	27 59	0.0	16.9	-150
	21	16 00	0 46	9 27	138	12 38.5	28 03	0.0	16.9	-151
	29	15 28	0 14	8 56	138	12 37.9	28 06	0.0	16.9	149
IV	6	14 55	23 38	8 24	138	12 37.3	28 08	0.0	17.0	145
	14	14 23	23 06	7 52	138	12 36.8	28 10	0.0	17.0	141
	22	13 51	22 34	7 20	138	12 36.3	28 11	0.0	17.0	135
	30	13 19	22 02	6 48	138	12 35.8	28 11	0.0	17.0	130
V	8	12 47	21 30	6 16	138	12 35.3	28 11	0.0	17.0	123
	16	12 16	20 58	5 44	138	12 34.9	28 09	0.0	17.0	117
	24	11 44	20 26	5 12	138	12 34.6	28 07	0.0	17.0	110
VI	1	11 13	19 54	4 40	138	12 34.3	28 04	0.0	17.0	104
	9	10 42	19 23	4 08	138	12 34.1	28 01	0.0	17.0	97
	17	10 11	18 51	3 36	138	12 34.0	27 57	0.0	17.0	90
	25	9 40	18 20	3 04	138	12 33.9	27 52	0.0	17.0	84
VII	3	9 09	17 48	2 32	137	12 34.0	27 47	0.0	17.0	77
	11	8 38	17 17	2 00	137	12 34.1	27 42	0.0	17.1	70
	19	8 08	16 46	1 28	137	12 34.3	27 36	0.0	17.1	64
	27	7 38	16 15	0 56	137	12 34.6	27 30	0.0	17.0	58
VIII	4	7 07	15 44	0 24	137	12 35.0	27 24	0.0	17.0	52
	12	6 37	15 13	23 48	136	12 35.4	27 18	0.0	17.0	46
	20	6 07	14 42	23 16	136	12 35.9	27 12	0.0	17.0	40
	28	5 37	14 11	22 45	136	12 36.5	27 06	0.0	17.0	36
IX	5	5 07	13 40	22 13	136	12 37.0	27 01	0.0	17.0	32
	13	4 36	13 09	21 42	136	12 37.7	26 56	0.0	17.0	29
	21	4 06	12 38	21 10	136	12 38.3	26 51	0.0	17.0	28
	29	3 36	12 07	20 39	135	12 39.0	26 47	0.0	17.0	-29
X	7	3 06	11 37	20 08	135	12 39.7	26 43	0.0	17.0	-32
	15	2 35	11 06	19 37	135	12 40.4	26 40	0.0	17.0	-36
	23	2 05	10 35	19 05	135	12 41.0	26 38	0.0	17.0	-41
	31	1 34	10 04	18 34	135	12 41.7	26 37	0.0	17.0	-47
XI	8	1 03	9 33	18 04	135	12 42.3	26 36	0.0	17.0	-53
	16	0 32	9 03	17 33	135	12 42.9	26 36	0.0	17.0	-60
	24	0 01	8 32	17 02	135	12 43.4	26 36	0.0	17.0	-66
XII	2	23 26	8 01	16 31	135	12 43.8	26 38	0.0	17.0	-73
	10	22 55	7 29	16 00	135	12 44.2	26 40	0.0	17.0	-80
	18	22 23	6 58	15 29	135	12 44.5	26 43	0.0	17.0	-87
	26	21 52	6 27	14 59	135	12 44.7	26 46	0.0	17.0	-94
2012 I	3	21 20	5 56	14 28	136	12 44.8	26 50	0.0	17.0	-102