

### NEPTUN

M	d	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	V	$\Delta I$
		$\lambda=0^\circ$	$\varphi=50^\circ$		0 <sup>h</sup> UT					
		h m	h m	h m	$\pm^\circ$	h m	° ' "	"	m	°
I	0	10 18	15 17	20 15	70	21 56.4	- 13 04	2.2	8.0	48
	8	9 47	14 46	19 45	70	21 57.3	- 12 59	2.2	8.0	40
	16	9 16	14 16	19 15	70	21 58.3	- 12 54	2.2	8.0	32
	24	8 45	13 45	18 45	71	21 59.4	- 12 48	2.2	8.0	24
II	1	8 14	13 15	18 16	71	22 00.5	- 12 42	2.2	8.0	16
	9	7 43	12 45	17 46	71	22 01.6	- 12 36	2.2	8.0	8
	17	7 13	12 14	17 16	71	22 02.8	- 12 30	2.2	8.0	1
	25	6 42	11 44	16 46	71	22 04.0	- 12 24	2.2	8.0	-7
III	5	6 11	11 14	16 17	71	22 05.1	- 12 17	2.2	8.0	-15
	13	5 40	10 43	15 47	72	22 06.2	- 12 11	2.2	8.0	-23
	21	5 09	10 13	15 17	72	22 07.3	- 12 06	2.2	8.0	-30
	29	4 38	9 43	14 47	72	22 08.3	- 12 00	2.2	8.0	-38
IV	6	4 07	9 12	14 17	72	22 09.2	- 11 55	2.2	8.0	-46
	14	3 36	8 41	13 46	72	22 10.1	- 11 51	2.2	7.9	-53
	22	3 05	8 11	13 16	72	22 10.8	- 11 47	2.2	7.9	-61
	30	2 34	7 40	12 45	72	22 11.4	- 11 44	2.2	7.9	-69
V	8	2 03	7 09	12 15	72	22 11.9	- 11 41	2.2	7.9	-76
	16	1 32	6 38	11 44	72	22 12.3	- 11 40	2.2	7.9	-84
	24	1 01	6 07	11 13	72	22 12.5	- 11 38	2.2	7.9	-92
VI	1	0 29	5 35	10 41	72	22 12.6	- 11 38	2.2	7.9	-99
	9	23 54	5 04	10 10	72	22 12.6	- 11 38	2.3	7.9	-107
	17	23 22	4 32	9 38	72	22 12.5	- 11 39	2.3	7.9	-115
	25	22 51	4 00	9 06	72	22 12.2	- 11 41	2.3	7.9	-122
VII	3	22 19	3 29	8 34	72	22 11.8	- 11 44	2.3	7.9	-130
	11	21 47	2 57	8 02	72	22 11.3	- 11 47	2.3	7.8	-138
	19	21 16	2 25	7 30	72	22 10.7	- 11 50	2.3	7.8	-146
	27	20 44	1 52	6 57	72	22 10.0	- 11 54	2.3	7.8	-153
VIII	4	20 12	1 20	6 24	72	22 09.3	- 11 58	2.3	7.8	-161
	12	19 40	0 48	5 52	72	22 08.5	- 12 03	2.3	7.8	-169
	20	19 08	0 16	5 19	72	22 07.6	- 12 08	2.3	7.8	-177
	28	18 36	23 39	4 46	72	22 06.8	- 12 12	2.3	7.8	175
IX	5	18 04	23 07	4 14	71	22 06.0	- 12 17	2.3	7.8	167
	13	17 33	22 35	3 41	71	22 05.2	- 12 21	2.3	7.8	159
	21	17 01	22 03	3 09	71	22 04.4	- 12 25	2.3	7.8	151
	29	16 29	21 31	2 36	71	22 03.8	- 12 29	2.3	7.8	143
X	7	15 57	20 59	2 04	71	22 03.2	- 12 32	2.3	7.8	135
	15	15 25	20 27	1 32	71	22 02.7	- 12 35	2.3	7.9	127
	23	14 54	19 55	1 00	71	22 02.3	- 12 37	2.3	7.9	119
	31	14 22	19 23	0 28	71	22 02.1	- 12 38	2.3	7.9	111
XI	8	13 51	18 52	23 52	71	22 02.0	- 12 38	2.3	7.9	103
	16	13 19	18 20	23 21	71	22 02.0	- 12 38	2.2	7.9	95
	24	12 48	17 49	22 50	71	22 02.2	- 12 37	2.2	7.9	87
XII	2	12 17	17 18	22 19	71	22 02.5	- 12 35	2.2	7.9	79
	10	11 45	16 47	21 48	71	22 03.0	- 12 33	2.2	7.9	71
	18	11 14	16 16	21 18	71	22 03.6	- 12 29	2.2	7.9	63
	26	10 43	15 45	20 47	71	22 04.3	- 12 26	2.2	7.9	55
2012 I	3	10 12	15 15	20 17	71	22 05.1	- 12 21	2.2	7.9	47