

### NEPTUN

M d 2017	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	V	$\Delta I$
	$\lambda=0^\circ$	$\varphi=50^\circ$			$0^h UT$				
	h m	h m	h m	$\pm^\circ$	h m	$^\circ \quad ' \quad ''$	"	m	$^\circ$
I 0	10 44	16 04	21 25	77	22 46.4	- 8 43	2.2	7.9	60
8	10 13	15 34	20 55	77	22 47.1	- 8 39	2.2	7.9	52
16	9 42	15 03	20 25	77	22 47.9	- 8 33	2.2	7.9	44
24	9 11	14 32	19 54	77	22 48.8	- 8 28	2.2	8.0	36
II 1	8 40	14 02	19 24	78	22 49.8	- 8 22	2.2	8.0	28
9	8 09	13 32	18 55	78	22 50.9	- 8 15	2.2	8.0	21
17	7 38	13 01	18 25	78	22 52.0	- 8 09	2.2	8.0	13
25	7 07	12 31	17 55	78	22 53.1	- 8 02	2.2	8.0	5
III 5	6 36	12 01	17 25	78	22 54.2	- 7 55	2.2	8.0	-3
13	6 05	11 30	16 55	79	22 55.4	- 7 48	2.2	8.0	-11
21	5 34	11 00	16 26	79	22 56.5	- 7 41	2.2	8.0	-18
29	5 03	10 30	15 56	79	22 57.5	- 7 35	2.2	8.0	-26
IV 6	4 32	9 59	15 26	79	22 58.6	- 7 29	2.2	8.0	-33
14	4 01	9 29	14 56	79	22 59.5	- 7 23	2.2	7.9	-41
22	3 30	8 58	14 26	79	23 00.4	- 7 18	2.2	7.9	-49
30	2 59	8 27	13 55	79	23 01.2	- 7 14	2.2	7.9	-56
V 8	2 28	7 56	13 25	80	23 01.8	- 7 10	2.2	7.9	-64
16	1 57	7 26	12 54	80	23 02.4	- 7 06	2.2	7.9	-71
24	1 26	6 55	12 23	80	23 02.8	- 7 04	2.2	7.9	-79
VI 1	0 55	6 23	11 52	80	23 03.2	- 7 02	2.2	7.9	-87
9	0 23	5 52	11 21	80	23 03.4	- 7 01	2.2	7.9	-94
17	23 48	5 21	10 50	80	23 03.4	- 7 01	2.3	7.9	-102
25	23 16	4 49	10 18	80	23 03.4	- 7 02	2.3	7.9	-109
VII 3	22 45	4 18	9 46	80	23 03.2	- 7 04	2.3	7.9	-117
11	22 13	3 46	9 14	80	23 02.9	- 7 06	2.3	7.9	-125
19	21 42	3 14	8 42	80	23 02.4	- 7 09	2.3	7.8	-133
27	21 10	2 42	8 10	79	23 01.9	- 7 12	2.3	7.8	-140
VIII 4	20 38	2 10	7 38	79	23 01.3	- 7 16	2.3	7.8	-148
12	20 06	1 38	7 05	79	23 00.6	- 7 21	2.3	7.8	-156
20	19 35	1 06	6 32	79	22 59.9	- 7 26	2.3	7.8	-164
28	19 03	0 33	6 00	79	22 59.1	- 7 31	2.3	7.8	-172
IX 5	18 31	0 01	5 27	79	22 58.2	- 7 36	2.3	7.8	-179
13	17 59	23 25	4 54	79	22 57.4	- 7 41	2.3	7.8	172
21	17 27	22 53	4 22	79	22 56.6	- 7 46	2.3	7.8	164
29	16 55	22 20	3 49	78	22 55.9	- 7 51	2.3	7.8	156
X 7	16 24	21 48	3 17	78	22 55.2	- 7 55	2.3	7.8	148
15	15 52	21 16	2 44	78	22 54.5	- 7 59	2.3	7.8	140
23	15 20	20 44	2 12	78	22 54.0	- 8 02	2.3	7.8	132
31	14 48	20 12	1 40	78	22 53.6	- 8 04	2.3	7.9	124
XI 8	14 17	19 41	1 08	78	22 53.3	- 8 06	2.3	7.9	116
16	13 45	19 09	0 36	78	22 53.1	- 8 07	2.3	7.9	108
24	13 14	18 37	0 05	78	22 53.0	- 8 07	2.3	7.9	100
XII 2	12 42	18 06	23 30	78	22 53.1	- 8 06	2.2	7.9	91
10	12 11	17 35	22 59	78	22 53.3	- 8 05	2.2	7.9	83
18	11 40	17 04	22 28	78	22 53.7	- 8 02	2.2	7.9	75
26	11 09	16 33	21 57	78	22 54.2	- 7 59	2.2	7.9	67
2018 I 3	10 37	16 02	21 27	78	22 54.8	- 7 55	2.2	7.9	59