

### NEPTUN

M d 2024	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	11 17	17 04	22 52	86	23 43.8	- 3 06	2.2	7.9	76
8	10 45	16 33	22 22	86	23 44.3	- 3 03	2.2	7.9	68
16	10 14	16 03	21 51	86	23 44.9	- 2 58	2.2	7.9	60
24	9 43	15 32	21 21	86	23 45.6	- 2 54	2.2	7.9	52
II 1	9 12	15 01	20 50	86	23 46.4	- 2 48	2.2	7.9	44
9	8 41	14 31	20 20	86	23 47.3	- 2 42	2.2	7.9	36
17	8 10	14 00	19 50	87	23 48.3	- 2 36	2.2	7.9	28
25	7 39	13 30	19 21	87	23 49.3	- 2 29	2.2	8.0	21
III 4	7 08	12 59	18 51	87	23 50.4	- 2 22	2.2	8.0	13
12	6 37	12 29	18 21	87	23 51.5	- 2 15	2.2	8.0	5
20	6 06	11 59	17 51	87	23 52.6	- 2 08	2.2	8.0	-3
28	5 35	11 28	17 21	88	23 53.7	- 2 01	2.2	8.0	-10
IV 5	5 04	10 58	16 52	88	23 54.8	- 1 54	2.2	8.0	-18
13	4 33	10 27	16 22	88	23 55.9	- 1 47	2.2	8.0	-25
21	4 02	9 57	15 52	88	23 56.9	- 1 41	2.2	7.9	-33
29	3 31	9 27	15 22	88	23 57.8	- 1 35	2.2	7.9	-40
V 7	3 00	8 56	14 51	88	23 58.7	- 1 29	2.2	7.9	-48
15	2 29	8 25	14 21	88	23 59.5	- 1 25	2.2	7.9	-55
23	1 58	7 54	13 51	89	0 00.1	- 1 21	2.2	7.9	-63
31	1 27	7 24	13 20	89	0 00.7	- 1 17	2.2	7.9	-70
VI 8	0 56	6 53	12 49	89	0 01.2	- 1 15	2.2	7.9	-78
16	0 25	6 21	12 18	89	0 01.5	- 1 13	2.2	7.9	-86
24	23 49	5 50	11 47	89	0 01.7	- 1 12	2.2	7.9	-93
VII 2	23 18	5 19	11 16	89	0 01.8	- 1 12	2.3	7.9	-101
10	22 47	4 47	10 44	89	0 01.7	- 1 13	2.3	7.9	-108
18	22 15	4 16	10 12	89	0 01.6	- 1 14	2.3	7.9	-116
26	21 44	3 44	9 40	89	0 01.3	- 1 17	2.3	7.8	-124
VIII 3	21 12	3 12	9 08	89	0 00.9	- 1 20	2.3	7.8	-131
11	20 40	2 40	8 36	89	0 00.4	- 1 23	2.3	7.8	-139
19	20 09	2 08	8 04	88	23 59.8	- 1 28	2.3	7.8	-147
27	19 37	1 36	7 31	88	23 59.1	- 1 32	2.3	7.8	-155
IX 4	19 05	1 04	6 59	88	23 58.4	- 1 37	2.3	7.8	-163
12	18 33	0 32	6 26	88	23 57.6	- 1 42	2.3	7.8	-171
20	18 01	23 55	5 53	88	23 56.8	- 1 48	2.3	7.8	-178
28	17 29	23 23	5 21	88	23 56.0	- 1 53	2.3	7.8	173
X 6	16 58	22 51	4 48	88	23 55.2	- 1 58	2.3	7.8	165
14	16 26	22 19	4 15	87	23 54.4	- 2 03	2.3	7.8	157
22	15 54	21 46	3 43	87	23 53.7	- 2 07	2.3	7.8	149
30	15 22	21 14	3 10	87	23 53.1	- 2 11	2.3	7.8	140
XI 7	14 51	20 42	2 38	87	23 52.5	- 2 15	2.3	7.8	132
15	14 19	20 10	2 06	87	23 52.1	- 2 17	2.3	7.8	124
23	13 47	19 39	1 34	87	23 51.8	- 2 19	2.3	7.9	116
XII 1	13 16	19 07	1 02	87	23 51.6	- 2 20	2.3	7.9	108
9	12 44	18 36	0 31	87	23 51.5	- 2 20	2.3	7.9	100
17	12 13	18 04	23 56	87	23 51.6	- 2 19	2.2	7.9	92
25	11 41	17 33	23 25	87	23 51.8	- 2 17	2.2	7.9	84
2025 I 2	11 10	17 02	22 54	87	23 52.2	- 2 15	2.2	7.9	75