

### JOWISZ

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	12 32	19 35	2 41	110	2 14.7	12 16	44.1	-2.6	117
8	12 01	19 04	2 11	110	2 15.1	12 20	42.9	-2.5	109
16	11 30	18 34	1 41	110	2 16.3	12 29	41.8	-2.5	101
24	10 59	18 04	1 13	111	2 18.3	12 42	40.7	-2.4	93
II 1	10 29	17 36	0 46	111	2 21.1	12 58	39.6	-2.4	86
9	9 59	17 08	0 19	112	2 24.6	13 18	38.6	-2.3	78
17	9 30	16 40	23 51	112	2 28.7	13 40	37.7	-2.3	71
25	9 01	16 14	23 26	113	2 33.5	14 05	36.9	-2.2	65
III 4	8 33	15 48	23 03	114	2 38.7	14 31	36.1	-2.2	58
12	8 04	15 22	22 40	115	2 44.5	15 00	35.4	-2.1	51
20	7 36	14 57	22 17	115	2 50.6	15 29	34.8	-2.1	45
28	7 09	14 32	21 55	116	2 57.1	15 59	34.3	-2.1	39
IV 5	6 41	14 07	21 33	117	3 04.0	16 29	33.8	-2.0	33
13	6 14	13 43	21 11	118	3 11.1	16 58	33.5	-2.0	26
21	5 47	13 18	20 50	119	3 18.4	17 28	33.2	-2.0	20
29	5 20	12 55	20 29	120	3 25.9	17 57	32.9	-2.0	15
V 7	4 54	12 31	20 08	120	3 33.5	18 25	32.8	-2.0	9
15	4 28	12 07	19 46	121	3 41.3	18 52	32.7	-2.0	3
23	4 01	11 43	19 25	122	3 49.0	19 17	32.7	-2.0	-3
31	3 35	11 19	19 04	122	3 56.8	19 42	32.7	-2.0	-9
VI 8	3 09	10 56	18 42	123	4 04.6	20 04	32.8	-2.0	-15
16	2 43	10 32	18 21	124	4 12.3	20 25	33.0	-2.0	-20
24	2 17	10 08	17 59	124	4 19.8	20 44	33.3	-2.0	-26
VII 2	1 52	9 44	17 36	125	4 27.2	21 01	33.6	-2.0	-32
10	1 26	9 20	17 14	125	4 34.4	21 17	34.0	-2.0	-38
18	1 00	8 55	16 50	126	4 41.3	21 31	34.5	-2.1	-44
26	0 34	8 30	16 27	126	4 47.9	21 43	35.0	-2.1	-50
VIII 3	0 07	8 05	16 03	126	4 54.2	21 53	35.6	-2.1	-56
11	23 37	7 39	15 38	127	4 59.9	22 01	36.3	-2.2	-63
19	23 10	7 13	15 12	127	5 05.2	22 09	37.1	-2.2	-69
27	22 43	6 46	14 46	127	5 09.9	22 14	37.9	-2.3	-76
IX 4	22 15	6 19	14 19	127	5 13.9	22 19	38.8	-2.3	-83
12	21 46	5 50	13 51	127	5 17.3	22 22	39.7	-2.4	-90
20	21 17	5 22	13 22	127	5 19.8	22 24	40.7	-2.4	-97
28	20 47	4 52	12 53	127	5 21.6	22 26	41.8	-2.5	-104
X 6	20 16	4 21	12 22	127	5 22.4	22 26	42.8	-2.5	-112
14	19 45	3 50	11 51	127	5 22.3	22 26	43.9	-2.6	-120
22	19 12	3 17	11 18	127	5 21.3	22 25	44.9	-2.6	-128
30	18 39	2 44	10 44	127	5 19.4	22 23	45.8	-2.7	-136
XI 7	18 05	2 10	10 10	127	5 16.7	22 21	46.7	-2.7	-145
15	17 30	1 35	9 34	127	5 13.2	22 18	47.3	-2.8	-154
23	16 55	0 59	8 58	127	5 09.1	22 13	47.8	-2.8	-163
XII 1	16 20	0 23	8 22	127	5 04.6	22 08	48.1	-2.8	-172
9	15 44	23 43	7 45	127	4 59.9	22 03	48.1	-2.8	179
17	15 09	23 07	7 09	126	4 55.3	21 57	47.9	-2.8	169
25	14 34	22 31	6 32	126	4 51.0	21 52	47.5	-2.8	160
2025 I 2	13 59	21 56	5 57	126	4 47.1	21 47	46.9	-2.7	151