

### JOWISZ

M d 2022	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	V	$\Delta I$
	$\lambda=0^\circ$		$\varphi=50^\circ$		$0^hUT$				
	h m	h m	h m	$\pm^\circ$	h m	$^\circ \quad ' \quad ''$	"	m	$^\circ$
I 0	10 27	15 30	20 34	71	22 11.1	- 12 17	35.4	-2.1	51
8	9 59	15 05	20 11	72	22 17.2	- 11 42	34.9	-2.1	44
16	9 31	14 40	19 49	73	22 23.6	- 11 05	34.4	-2.1	38
24	9 03	14 15	19 28	74	22 30.3	- 10 26	33.9	-2.1	31
II 1	8 35	13 51	19 07	76	22 37.1	- 9 46	33.6	-2.0	25
9	8 07	13 26	18 46	77	22 44.2	- 9 04	33.3	-2.0	19
17	7 39	13 02	18 25	78	22 51.3	- 8 21	33.1	-2.0	13
25	7 11	12 37	18 04	79	22 58.4	- 7 37	33.0	-2.0	7
III 5	6 43	12 13	17 43	80	23 05.7	- 6 53	33.0	-2.0	1
13	6 15	11 49	17 23	81	23 12.8	- 6 08	33.0	-2.0	-6
21	5 47	11 25	17 02	82	23 20.0	- 5 23	33.1	-2.0	-12
29	5 19	11 00	16 41	84	23 27.0	- 4 39	33.3	-2.0	-18
IV 6	4 51	10 35	16 20	85	23 33.9	- 3 55	33.5	-2.0	-24
14	4 23	10 11	15 58	86	23 40.7	- 3 13	33.8	-2.1	-30
22	3 55	9 46	15 37	87	23 47.2	- 2 32	34.2	-2.1	-36
30	3 27	9 21	15 15	88	23 53.5	- 1 52	34.7	-2.1	-42
V 8	2 58	8 55	14 52	89	23 59.6	- 1 14	35.2	-2.1	-48
16	2 30	8 29	14 29	90	0 05.3	- 0 38	35.8	-2.2	-54
24	2 01	8 03	14 06	91	0 10.6	- 0 05	36.5	-2.2	-60
VI 1	1 32	7 37	13 41	91	0 15.6	0 25	37.3	-2.3	-67
9	1 03	7 10	13 17	92	0 20.0	0 52	38.1	-2.3	-73
17	0 33	6 42	12 51	93	0 24.0	1 15	39.0	-2.3	-80
25	0 04	6 14	12 24	93	0 27.4	1 35	40.0	-2.4	-87
VII 3	23 30	5 45	11 57	94	0 30.2	1 50	41.0	-2.5	-93
11	23 00	5 16	11 28	94	0 32.2	2 01	42.1	-2.5	-101
19	22 29	4 46	10 58	94	0 33.6	2 07	43.2	-2.6	-108
27	21 58	4 15	10 28	94	0 34.2	2 09	44.3	-2.6	-115
VIII 4	21 27	3 43	9 56	94	0 34.1	2 05	45.4	-2.7	-123
12	20 55	3 11	9 23	94	0 33.2	1 57	46.5	-2.7	-131
20	20 23	2 38	8 48	93	0 31.5	1 44	47.5	-2.8	-139
28	19 51	2 04	8 13	93	0 29.2	1 27	48.3	-2.8	-147
IX 5	19 18	1 30	7 37	92	0 26.2	1 06	49.0	-2.9	-156
13	18 45	0 55	7 00	92	0 22.7	0 43	49.5	-2.9	-165
21	18 11	0 19	6 23	91	0 19.0	0 18	49.8	-2.9	-173
29	17 38	23 40	5 46	90	0 15.1	- 0 08	49.8	-2.9	177
X 7	17 05	23 04	5 09	90	0 11.2	- 0 33	49.6	-2.9	169
15	16 32	22 29	4 32	89	0 07.5	- 0 56	49.1	-2.9	160
23	15 58	21 55	3 56	89	0 04.3	- 1 16	48.5	-2.9	151
31	15 26	21 21	3 20	88	0 01.6	- 1 31	47.7	-2.8	142
XI 8	14 53	20 47	2 46	88	23 59.6	- 1 42	46.7	-2.8	134
16	14 21	20 15	2 13	88	23 58.4	- 1 48	45.6	-2.7	125
24	13 49	19 43	1 41	88	23 57.9	- 1 49	44.5	-2.6	117
XII 2	13 18	19 12	1 10	88	23 58.3	- 1 44	43.4	-2.6	109
10	12 46	18 42	0 41	88	23 59.4	- 1 34	42.2	-2.5	101
18	12 16	18 12	0 12	89	0 01.3	- 1 19	41.1	-2.5	94
26	11 45	17 43	23 42	89	0 04.0	- 1 00	40.0	-2.4	86
2023 I 3	11 15	17 15	23 15	90	0 07.3	- 0 36	39.1	-2.4	79