

### JOWISZ

M d 2015	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	$^\circ \ ' \ ''$	"	m	$^\circ$
I 0	19 38	3 00	10 17	115	9 37.9	15 02	43.2	-2.4	-137
8	19 03	2 26	9 45	115	9 35.4	15 16	44.0	-2.5	-146
16	18 27	1 51	9 12	115	9 32.2	15 33	44.6	-2.5	-155
24	17 50	1 16	8 38	116	9 28.6	15 53	45.0	-2.5	-164
II 1	17 13	0 41	8 05	117	9 24.5	16 13	45.2	-2.6	-173
9	16 35	0 05	7 31	117	9 20.4	16 33	45.3	-2.6	177
17	15 58	23 25	6 57	118	9 16.2	16 53	45.1	-2.6	168
25	15 21	22 50	6 23	118	9 12.3	17 11	44.7	-2.5	159
III 5	14 44	22 15	5 50	119	9 08.8	17 26	44.2	-2.5	150
13	14 09	21 41	5 17	119	9 05.8	17 39	43.5	-2.4	142
21	13 34	21 07	4 44	119	9 03.6	17 48	42.7	-2.4	133
29	13 01	20 34	4 12	119	9 02.1	17 54	41.8	-2.3	125
IV 6	12 29	20 02	3 40	119	9 01.4	17 57	40.8	-2.3	117
14	11 57	19 31	3 08	119	9 01.5	17 55	39.8	-2.2	109
22	11 27	19 00	2 37	119	9 02.4	17 51	38.9	-2.2	101
30	10 58	18 31	2 07	119	9 04.1	17 43	37.9	-2.1	94
V 8	10 31	18 02	1 37	119	9 06.5	17 32	37.0	-2.1	87
16	10 03	17 33	1 07	118	9 09.6	17 18	36.1	-2.0	80
24	9 37	17 06	0 38	118	9 13.2	17 01	35.3	-2.0	73
VI 1	9 12	16 38	0 08	117	9 17.4	16 42	34.6	-1.9	66
9	8 47	16 12	23 36	117	9 22.1	16 20	33.9	-1.9	60
17	8 23	15 45	23 07	116	9 27.2	15 55	33.3	-1.8	54
25	7 59	15 19	22 39	115	9 32.6	15 29	32.8	-1.8	47
VII 3	7 36	14 54	22 11	114	9 38.4	15 00	32.3	-1.8	41
11	7 14	14 28	21 42	114	9 44.4	14 30	31.9	-1.8	35
19	6 51	14 03	21 14	113	9 50.6	13 58	31.5	-1.7	29
27	6 29	13 38	20 46	112	9 57.0	13 25	31.3	-1.7	23
VIII 4	6 07	13 13	20 18	111	10 03.5	12 50	31.0	-1.7	17
12	5 45	12 48	19 50	110	10 10.0	12 14	30.9	-1.7	11
20	5 24	12 23	19 22	109	10 16.7	11 38	30.8	-1.7	5
28	5 02	11 58	18 54	108	10 23.3	11 00	30.8	-1.7	-1
IX 5	4 40	11 33	18 26	107	10 29.9	10 23	30.8	-1.7	-7
13	4 18	11 08	17 58	106	10 36.4	9 45	30.9	-1.7	-13
21	3 56	10 43	17 30	105	10 42.9	9 07	31.1	-1.7	-19
29	3 34	10 18	17 02	104	10 49.1	8 30	31.3	-1.7	-25
X 7	3 12	9 53	16 33	103	10 55.3	7 54	31.6	-1.7	-31
15	2 49	9 27	16 05	102	11 01.1	7 19	32.0	-1.8	-38
23	2 26	9 01	15 36	101	11 06.8	6 45	32.4	-1.8	-44
31	2 02	8 35	15 07	100	11 12.1	6 13	32.9	-1.8	-51
XI 8	1 38	8 08	14 38	100	11 17.0	5 44	33.5	-1.8	-57
16	1 14	7 41	14 09	99	11 21.5	5 17	34.2	-1.9	-64
24	0 48	7 14	13 40	98	11 25.6	4 53	34.9	-1.9	-71
XII 2	0 22	6 46	13 10	98	11 29.1	4 32	35.7	-2.0	-78
10	23 51	6 18	12 40	97	11 32.1	4 15	36.5	-2.0	-86
18	23 23	5 48	12 10	97	11 34.4	4 03	37.4	-2.1	-93
26	22 54	5 19	11 40	97	11 36.1	3 54	38.3	-2.1	-101
2016 I 3	22 23	4 48	11 09	97	11 37.0	3 51	39.2	-2.2	-109