

### SATURN

M d 2024	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	b/a	V	$\Delta I$
	$\lambda=0$		$\varphi=50$		0 <sup>h</sup> UT					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	10 39	15 44	20 49	72	22 22.8	- 11 52	16.1	0.16	0.8	54
8	10 09	15 15	20 22	73	22 25.6	- 11 36	15.9	0.15	0.8	47
16	9 39	14 47	19 55	73	22 28.6	- 11 18	15.8	0.15	0.9	39
24	9 09	14 18	19 28	74	22 31.8	- 10 59	15.7	0.14	0.9	32
II 1	8 39	13 50	19 02	74	22 35.2	- 10 39	15.6	0.13	1.0	25
9	8 09	13 22	18 35	75	22 38.7	- 10 18	15.5	0.13	1.0	18
17	7 40	12 55	18 09	75	22 42.3	- 9 57	15.5	0.12	1.0	11
25	7 10	12 27	17 43	76	22 46.0	- 9 35	15.4	0.11	1.1	4
III 4	6 41	11 59	17 17	76	22 49.7	- 9 13	15.5	0.10	1.1	-4
12	6 11	11 31	16 51	77	22 53.3	- 8 51	15.5	0.10	1.1	-11
20	5 41	11 03	16 25	77	22 56.9	- 8 30	15.5	0.09	1.2	-18
28	5 12	10 35	15 59	78	23 00.4	- 8 09	15.6	0.08	1.2	-25
IV 5	4 42	10 07	15 32	79	23 03.8	- 7 49	15.7	0.07	1.2	-32
13	4 12	9 39	15 06	79	23 07.0	- 7 31	15.8	0.07	1.2	-39
21	3 42	9 10	14 39	79	23 10.1	- 7 13	15.9	0.06	1.3	-46
29	3 12	8 42	14 11	80	23 12.9	- 6 57	16.1	0.05	1.3	-53
V 7	2 42	8 13	13 44	80	23 15.5	- 6 42	16.3	0.05	1.3	-60
15	2 12	7 44	13 15	81	23 17.7	- 6 30	16.5	0.04	1.3	-67
23	1 42	7 14	12 47	81	23 19.7	- 6 19	16.7	0.04	1.2	-74
31	1 11	6 44	12 17	81	23 21.4	- 6 11	16.9	0.04	1.2	-81
VI 8	0 41	6 14	11 48	81	23 22.7	- 6 04	17.1	0.04	1.2	-89
16	0 10	5 44	11 17	81	23 23.6	- 6 01	17.4	0.03	1.2	-96
24	23 35	5 13	10 47	81	23 24.1	- 6 00	17.6	0.03	1.1	-104
VII 2	23 04	4 41	10 15	81	23 24.3	- 6 01	17.8	0.03	1.1	-111
10	22 32	4 10	9 43	81	23 24.0	- 6 05	18.1	0.04	1.1	-119
18	22 01	3 38	9 11	81	23 23.4	- 6 11	18.3	0.04	1.0	-127
26	21 29	3 05	8 37	81	23 22.4	- 6 19	18.5	0.04	1.0	-135
VIII 3	20 57	2 32	8 04	81	23 21.0	- 6 30	18.7	0.04	0.9	-143
11	20 25	1 59	7 30	80	23 19.4	- 6 42	18.9	0.05	0.9	-151
19	19 52	1 26	6 55	80	23 17.5	- 6 55	19.0	0.05	0.8	-159
27	19 20	0 52	6 21	80	23 15.4	- 7 09	19.1	0.06	0.8	-167
IX 4	18 48	0 19	5 46	79	23 13.2	- 7 24	19.1	0.06	0.7	-175
12	18 15	23 41	5 11	79	23 10.9	- 7 39	19.1	0.07	0.7	175
20	17 43	23 07	4 36	78	23 08.7	- 7 53	19.1	0.07	0.6	167
28	17 10	22 34	4 01	78	23 06.5	- 8 06	19.0	0.08	0.6	159
X 6	16 38	22 00	3 27	78	23 04.6	- 8 18	18.9	0.08	0.6	151
14	16 05	21 27	2 53	77	23 02.9	- 8 28	18.7	0.08	0.6	142
22	15 33	20 54	2 20	77	23 01.5	- 8 36	18.5	0.09	0.6	134
30	15 01	20 22	1 47	77	23 00.4	- 8 41	18.3	0.09	0.6	126
XI 7	14 29	19 50	1 14	77	22 59.7	- 8 44	18.1	0.09	0.7	118
15	13 57	19 18	0 42	77	22 59.4	- 8 44	17.9	0.09	0.7	110
23	13 26	18 47	0 11	77	22 59.6	- 8 42	17.6	0.09	0.8	102
XII 1	12 55	18 16	23 37	77	23 00.1	- 8 37	17.4	0.09	0.8	94
9	12 24	17 45	23 07	77	23 01.1	- 8 29	17.1	0.09	0.8	86
17	11 53	17 15	22 38	78	23 02.5	- 8 20	16.9	0.08	0.9	78
25	11 22	16 46	22 09	78	23 04.2	- 8 07	16.7	0.08	0.9	70
2025 I 2	10 51	16 16	21 41	78	23 06.3	- 7 53	16.5	0.07	0.9	63