

### WENUS

M d 2009	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	F	V	$\Delta I$
	$\lambda=0$		$\varphi=50$		0 <sup>h</sup> UT					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	10 22	15 17	20 12	69	21 55.7	- 14 15	21.2	0.58	-4.3	46
8	10 05	15 17	20 31	75	22 28.1	- 10 40	22.8	0.55	-4.4	47
16	9 44	15 16	20 48	81	22 58.1	- 6 53	24.8	0.51	-4.4	47
24	9 22	15 12	21 02	87	23 25.8	- 3 03	27.2	0.46	-4.5	47
II 1	8 57	15 05	21 14	92	23 50.8	0 45	30.1	0.41	-4.5	46
9	8 30	14 55	21 21	98	0 12.5	4 22	33.5	0.36	-4.6	44
17	8 00	14 40	21 22	103	0 29.9	7 38	37.7	0.30	-4.6	42
25	7 26	14 20	21 14	107	0 41.7	10 21	42.7	0.23	-4.6	37
III 5	6 49	13 52	20 56	110	0 46.1	12 16	48.4	0.15	-4.6	32
13	6 09	13 16	20 22	111	0 41.4	13 00	54.1	0.08	-4.4	23
21	5 29	12 31	19 31	110	0 28.3	12 13	58.5	0.03	-4.2	14
29	4 52	11 42	18 31	106	0 11.0	9 58	59.7	0.01	-4.0	-8
IV 6	4 21	10 56	17 31	101	23 56.5	7 02	57.1	0.04	-4.2	-16
14	3 56	10 19	16 42	97	23 50.1	4 26	51.9	0.10	-4.4	-25
22	3 35	9 51	16 07	95	23 53.1	2 48	45.9	0.17	-4.5	-33
30	3 17	9 31	15 45	94	0 04.3	2 16	40.3	0.24	-4.5	-38
V 8	3 01	9 17	15 33	95	0 21.5	2 40	35.4	0.31	-4.5	-42
16	2 46	9 07	15 30	97	0 43.2	3 51	31.4	0.37	-4.5	-44
24	2 31	9 01	15 32	100	1 08.1	5 34	28.1	0.42	-4.4	-45
VI 1	2 16	8 57	15 38	103	1 35.5	7 41	25.4	0.47	-4.3	-46
9	2 03	8 55	15 48	107	2 04.9	10 01	23.2	0.51	-4.3	-46
17	1 50	8 55	16 00	111	2 36.0	12 25	21.3	0.55	-4.2	-45
25	1 39	8 56	16 14	114	3 08.8	14 47	19.7	0.59	-4.2	-45
VII 3	1 29	8 59	16 29	118	3 43.2	16 58	18.4	0.63	-4.1	-44
11	1 23	9 03	16 45	121	4 19.1	18 53	17.2	0.66	-4.1	-43
19	1 19	9 09	17 00	124	4 56.5	20 24	16.2	0.69	-4.1	-41
27	1 20	9 16	17 13	126	5 35.1	21 26	15.4	0.72	-4.0	-40
VIII 4	1 25	9 24	17 24	126	6 14.6	21 55	14.6	0.75	-4.0	-38
12	1 34	9 33	17 31	126	6 54.7	21 47	14.0	0.77	-4.0	-37
20	1 48	9 42	17 35	125	7 35.0	21 01	13.4	0.80	-4.0	-35
28	2 05	9 50	17 34	122	8 15.1	19 38	12.9	0.82	-4.0	-33
IX 5	2 25	9 58	17 30	119	8 54.7	17 39	12.4	0.84	-4.0	-31
13	2 46	10 06	17 23	114	9 33.6	15 08	12.0	0.86	-4.0	-30
21	3 09	10 12	17 14	109	10 11.7	12 10	11.7	0.88	-3.9	-28
29	3 32	10 18	17 03	104	10 49.2	8 48	11.4	0.90	-3.9	-26
X 7	3 55	10 23	16 50	98	11 26.0	5 10	11.1	0.91	-3.9	-24
15	4 19	10 28	16 37	92	12 02.6	1 21	10.9	0.93	-3.9	-22
23	4 42	10 33	16 23	86	12 39.2	- 2 32	10.7	0.94	-3.9	-20
31	5 06	10 39	16 10	80	13 16.1	- 6 25	10.5	0.95	-3.9	-18
XI 8	5 31	10 45	15 58	74	13 53.6	- 10 09	10.4	0.96	-3.9	-16
16	5 55	10 52	15 47	69	14 32.0	- 13 39	10.2	0.97	-3.9	-14
24	6 20	11 00	15 38	64	15 11.5	- 16 47	10.1	0.98	-3.9	-12
XII 2	6 45	11 09	15 33	59	15 52.4	- 19 27	10.0	0.99	-3.9	-10
10	7 08	11 20	15 31	56	16 34.4	- 21 33	10.0	0.99	-3.9	-8
18	7 28	11 31	15 34	53	17 17.5	- 22 58	9.9	1.00	-3.9	-6
26	7 45	11 44	15 42	52	18 01.3	- 23 38	9.9	1.00	-3.9	-4
2010 I 3	7 56	11 56	15 56	53	18 45.3	- 23 33	9.8	1.00	-3.9	-2