

### WENUS

M d 2021	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	F	V	$\Delta I$
	$\lambda=0$		$\varphi=50$		$0^hUT$					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	6 27	10 34	14 41	55	17 13.1	- 22 18	10.8	0.94	-3.9	-21
8	6 43	10 46	14 49	53	17 56.4	- 23 04	10.6	0.95	-3.9	-19
16	6 56	10 58	15 01	53	18 40.1	- 23 06	10.5	0.96	-3.9	-17
24	7 03	11 10	15 18	55	19 23.5	- 22 22	10.3	0.97	-3.9	-15
II 1	7 05	11 21	15 38	57	20 06.2	- 20 55	10.2	0.98	-3.9	-13
9	7 02	11 31	16 01	61	20 47.9	- 18 48	10.1	0.98	-3.9	-11
17	6 56	11 40	16 25	66	21 28.4	- 16 06	10.0	0.99	-3.9	-9
25	6 47	11 48	16 50	71	22 07.6	- 12 55	9.9	0.99	-3.9	-7
III 5	6 35	11 54	17 14	77	22 45.7	- 9 22	9.8	1.00	-3.9	-6
13	6 22	12 00	17 39	83	23 22.9	- 5 34	9.8	1.00	-3.9	-4
21	6 08	36 05	18 03	89	23 59.5	- 1 35	9.8	1.00	-3.9	-2
29	5 54	12 10	18 27	95	0 35.9	2 27	9.8	1.00	-3.9	-1
IV 6	5 40	12 15	18 51	101	1 12.4	6 25	9.8	1.00	-3.9	3
14	5 26	12 20	19 16	107	1 49.4	10 15	9.8	1.00	-3.9	5
22	5 14	12 26	19 41	113	2 27.1	13 50	9.8	0.99	-3.9	7
30	5 03	12 34	20 06	118	3 05.9	17 03	9.9	0.99	-3.9	9
V 8	4 56	12 42	20 30	123	3 45.8	19 48	10.0	0.98	-3.9	11
16	4 52	12 52	20 53	127	4 26.9	21 59	10.1	0.97	-3.9	13
24	4 52	13 02	21 13	129	5 08.9	23 30	10.2	0.96	-3.9	15
VI 1	4 58	13 14	21 29	131	5 51.7	24 19	10.4	0.95	-3.9	17
9	5 09	13 25	21 40	131	6 34.6	24 22	10.6	0.94	-3.9	20
17	5 25	13 36	21 46	129	7 17.2	23 39	10.8	0.93	-3.9	22
25	5 45	13 46	21 46	126	7 58.9	22 12	11.1	0.91	-3.9	24
VII 3	6 08	13 55	21 41	123	8 39.6	20 06	11.3	0.89	-3.9	26
11	6 31	14 03	21 33	118	9 18.8	17 25	11.7	0.88	-3.9	28
19	6 55	14 09	21 21	113	9 56.6	14 14	12.1	0.86	-3.9	30
27	7 19	14 14	21 08	107	10 33.2	10 40	12.5	0.84	-3.9	32
VIII 4	7 42	14 18	20 52	101	11 08.6	6 50	13.0	0.81	-4.0	34
12	8 05	14 21	20 36	94	11 43.2	2 48	13.5	0.79	-4.0	36
20	8 27	14 23	20 19	88	12 17.4	- 1 19	14.1	0.77	-4.0	37
28	8 49	14 26	20 01	82	12 51.3	- 5 25	14.8	0.74	-4.0	39
IX 5	9 11	14 28	19 44	75	13 25.3	- 9 25	15.6	0.72	-4.1	41
13	9 33	14 31	19 28	69	13 59.7	- 13 14	16.5	0.69	-4.1	42
21	9 56	14 35	19 13	64	14 34.7	- 16 45	17.5	0.66	-4.1	43
29	10 18	14 39	18 59	58	15 10.4	- 19 53	18.6	0.63	-4.2	45
X 7	10 39	14 44	18 48	54	15 46.7	- 22 33	20.0	0.60	-4.2	46
15	10 58	14 49	18 40	50	16 23.5	- 24 40	21.5	0.56	-4.3	46
23	11 13	14 54	18 35	47	17 00.2	- 26 10	23.4	0.53	-4.3	47
31	11 23	14 59	18 33	46	17 36.3	- 27 01	25.5	0.49	-4.4	47
XI 8	11 28	15 01	18 35	46	18 10.8	- 27 14	28.1	0.44	-4.5	47
16	11 25	15 01	18 38	46	18 42.6	- 26 50	31.3	0.40	-4.6	46
24	11 14	14 57	18 41	48	19 10.5	- 25 56	35.1	0.34	-4.6	44
XII 2	10 55	14 48	18 41	51	19 33.0	- 24 36	39.7	0.28	-4.7	41
10	10 28	14 31	18 34	54	19 48.3	- 23 02	45.2	0.21	-4.7	37
18	9 52	14 05	18 18	57	19 54.3	- 21 21	51.5	0.14	-4.6	30
26	9 05	13 27	17 50	59	19 49.2	- 19 42	57.8	0.07	-4.5	21
2022 I 3	8 09	12 40	17 11	62	19 33.9	- 18 14	62.3	0.02	-4.2	10