

### WENUS

M d 2020	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	9 59	14 29	19 00	61	21 04.8	- 18 38	13.1	0.82	-4.0	34
8	9 48	14 36	19 25	67	21 43.6	- 15 30	13.6	0.80	-4.0	36
16	9 35	14 42	19 49	73	22 20.9	- 11 57	14.1	0.78	-4.0	37
24	9 20	14 46	20 13	79	22 56.8	- 8 05	14.7	0.76	-4.1	39
II 1	9 04	14 49	20 36	85	23 31.7	- 4 01	15.4	0.73	-4.1	40
9	8 46	14 52	20 58	92	0 05.7	0 10	16.2	0.71	-4.1	42
17	8 28	14 53	21 20	98	0 39.1	4 20	17.1	0.68	-4.2	43
25	8 10	14 55	21 41	105	1 12.1	8 25	18.2	0.65	-4.2	44
III 4	7 51	14 56	22 02	111	1 44.9	12 18	19.4	0.61	-4.2	45
12	7 33	14 57	22 23	117	2 17.6	15 53	20.8	0.58	-4.3	46
20	7 16	14 58	22 42	122	2 50.0	19 07	22.5	0.54	-4.3	46
28	6 59	14 58	22 59	127	3 21.9	21 54	24.6	0.49	-4.4	46
IV 5	6 43	14 57	23 13	131	3 52.6	24 10	27.0	0.45	-4.4	46
13	6 28	14 54	23 22	134	4 21.3	25 54	30.0	0.39	-4.5	45
21	6 13	14 48	23 23	136	4 46.6	27 05	33.6	0.33	-4.5	43
29	5 57	14 36	23 16	137	5 06.9	27 42	38.0	0.27	-4.5	39
V 7	5 37	14 17	22 56	137	5 19.8	27 47	43.2	0.19	-4.5	34
15	5 13	13 48	22 22	136	5 23.1	27 15	48.9	0.12	-4.4	27
23	4 43	13 08	21 32	134	5 15.3	26 01	54.4	0.05	-4.2	18
31	4 09	12 19	20 28	130	4 58.2	24 02	57.9	0.01	-3.9	6
VI 8	3 33	11 28	19 21	125	4 37.9	21 34	57.7	0.01	-3.9	-7
16	3 00	10 41	18 21	121	4 22.4	19 18	54.0	0.05	-4.2	-18
24	2 31	10 04	17 37	119	4 16.4	17 49	48.5	0.12	-4.4	-28
VII 2	2 07	9 37	17 07	118	4 20.2	17 14	42.7	0.20	-4.5	-35
10	1 47	9 18	16 49	119	4 32.3	17 23	37.6	0.27	-4.5	-39
18	1 31	9 06	16 40	120	4 51.1	17 58	33.2	0.33	-4.5	-42
26	1 19	8 58	16 38	121	5 14.8	18 44	29.7	0.39	-4.4	-44
VIII 3	1 11	8 54	16 38	122	5 42.5	19 27	26.7	0.44	-4.4	-45
11	1 07	8 54	16 41	123	6 13.2	19 57	24.3	0.49	-4.3	-46
19	1 07	8 55	16 43	123	6 46.3	20 06	22.3	0.53	-4.3	-46
27	1 12	8 58	16 44	123	7 21.0	19 49	20.6	0.57	-4.2	-45
IX 4	1 22	9 03	16 44	121	7 56.9	19 01	19.2	0.61	-4.2	-44
12	1 34	9 08	16 40	119	8 33.4	17 41	18.0	0.64	-4.2	-43
20	1 50	9 13	16 35	116	9 10.1	15 49	16.9	0.67	-4.1	-42
28	2 08	9 18	16 27	112	9 46.7	13 28	16.0	0.71	-4.1	-41
X 6	2 27	9 23	16 17	107	10 23.1	10 41	15.2	0.73	-4.1	-40
14	2 48	9 27	16 06	102	10 59.2	7 32	14.5	0.76	-4.1	-38
22	3 09	9 32	15 54	97	11 35.2	4 07	13.9	0.78	-4.0	-36
30	3 30	9 36	15 41	91	12 11.1	0 30	13.4	0.81	-4.0	-35
XI 7	3 53	9 41	15 28	85	12 47.1	- 3 12	12.9	0.83	-4.0	-33
15	4 16	9 46	15 15	79	13 23.7	- 6 53	12.5	0.85	-4.0	-31
23	4 39	9 52	15 03	74	14 00.9	- 10 27	12.1	0.87	-4.0	-29
XII 1	5 03	9 58	14 53	69	14 39.2	- 13 47	11.8	0.89	-4.0	-28
9	5 27	10 06	14 45	64	15 18.6	- 16 46	11.5	0.90	-4.0	-26
17	5 50	10 15	14 40	60	15 59.2	- 19 17	11.2	0.92	-3.9	-24
25	6 12	10 26	14 39	56	16 41.0	- 21 15	11.0	0.93	-3.9	-22
2021 I 2	6 31	10 37	14 43	54	17 23.9	- 22 34	10.8	0.94	-3.9	-20