

MERKURY

M d 2021	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	ΔI
	$\lambda=0$		$\varphi=50$		0^hUT					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	8 39	12 33	16 27	51	19 10.9	- 24 32	4.8	0.98	-1.0	7
4	8 46	12 46	16 46	53	19 39.2	- 23 39	4.9	0.96	-0.9	9
8	8 49	12 58	17 07	55	20 07.2	- 22 22	5.1	0.94	-0.9	11
12	8 50	13 09	17 29	58	20 34.3	- 20 41	5.4	0.89	-0.9	14
16	8 48	13 18	17 50	62	20 59.9	- 18 38	5.7	0.82	-0.9	16
20	8 41	13 25	18 10	66	21 22.6	- 16 21	6.2	0.71	-0.8	18
24	8 31	13 26	18 23	69	21 40.6	- 14 01	6.9	0.56	-0.6	19
28	8 15	13 20	18 26	72	21 51.1	- 12 01	7.8	0.37	-0.0	18
II 1	7 52	13 03	18 13	74	21 51.3	- 10 46	8.8	0.18	1.1	14
5	7 25	12 35	17 45	74	21 40.7	- 10 37	9.8	0.05	3.0	8
9	6 56	12 01	17 06	72	21 23.0	- 11 30	10.3	0.01	4.6	4
13	6 31	11 29	16 26	70	21 05.6	- 12 55	10.3	0.06	2.9	-10
17	6 12	11 03	15 54	68	20 54.4	- 14 18	9.8	0.16	1.6	-17
21	5 59	10 45	15 31	66	20 51.4	- 15 21	9.1	0.28	0.9	-22
25	5 51	10 35	15 18	65	20 55.7	- 15 57	8.4	0.38	0.5	-25
III 1	5 46	10 29	15 13	65	21 05.7	- 16 07	7.8	0.47	0.3	-27
5	5 43	10 28	15 13	66	21 19.7	- 15 50	7.3	0.54	0.2	-27
9	5 40	10 29	15 19	67	21 36.7	- 15 09	6.9	0.60	0.1	-27
13	5 38	10 33	15 28	69	21 55.8	- 14 05	6.5	0.66	0.1	-26
17	5 35	10 38	15 41	71	22 16.4	- 12 39	6.2	0.71	-0.0	-25
21	5 32	10 44	15 57	74	22 38.3	- 10 53	5.9	0.75	-0.1	-24
25	5 29	10 51	16 15	78	23 01.2	- 8 46	5.7	0.79	-0.2	-22
29	5 25	10 59	16 35	81	23 25.0	- 6 21	5.5	0.83	-0.3	-19
IV 2	5 21	11 09	16 58	86	23 49.8	- 3 37	5.3	0.87	-0.5	-16
6	5 17	11 19	17 23	91	0 15.6	- 0 37	5.2	0.91	-0.8	-13
10	5 12	11 30	17 50	96	0 42.7	2 39	5.1	0.95	-1.1	-10
14	5 09	11 43	18 20	101	1 11.2	6 07	5.0	0.98	-1.5	-6
18	5 05	11 58	18 53	107	1 41.2	9 42	5.0	1.00	-2.0	-1
22	5 02	12 14	19 28	113	2 12.7	13 16	5.1	0.99	-2.0	3
26	5 01	12 30	20 03	118	2 45.1	16 38	5.3	0.95	-1.6	8
30	5 00	12 47	20 36	123	3 17.5	19 35	5.6	0.86	-1.2	12
V 4	5 01	13 02	21 05	127	3 48.6	21 57	6.0	0.75	-0.9	16
8	5 03	13 15	21 28	130	4 17.2	23 40	6.5	0.62	-0.5	19
12	5 05	13 23	21 43	132	4 42.4	24 43	7.1	0.51	-0.1	21
16	5 06	13 28	21 50	132	5 03.3	25 12	7.8	0.40	0.3	22
20	5 07	13 28	21 48	132	5 19.6	25 11	8.6	0.30	0.8	22
24	5 05	13 22	21 39	131	5 30.7	24 46	9.5	0.22	1.3	20
28	5 00	13 11	21 21	130	5 36.2	24 00	10.4	0.14	2.0	18
VI 1	4 51	12 55	20 58	128	5 36.4	22 58	11.2	0.08	2.9	14
5	4 38	12 34	20 29	126	5 31.7	21 47	11.9	0.03	4.0	9
9	4 22	12 10	19 57	123	5 23.7	20 33	12.2	0.01	5.2	4
13	4 04	11 45	19 26	122	5 14.6	19 27	12.1	0.01	5.0	-5
17	3 45	11 22	18 59	120	5 06.8	18 39	11.7	0.04	3.8	-10
21	3 27	11 03	18 38	120	5 02.3	18 17	11.0	0.08	2.7	-14
25	3 11	10 47	18 24	120	5 02.3	18 22	10.1	0.15	1.9	-18
29	2 58	10 38	18 18	121	5 07.6	18 52	9.2	0.23	1.2	-20

MERKURY (c.d.)

M d 2021	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	ΔI
	$\lambda=0$		$\varphi=50$		0^hUT					
	h m	h m	h m	°	h m	° ' "	"		m	°
VII 3	2 48	10 33	18 19	123	5 18.1	19 40	8.4	0.32	0.7	-21
7	2 42	10 33	18 26	124	5 33.9	20 39	7.6	0.42	0.2	-21
11	2 41	10 39	18 38	126	5 54.9	21 38	6.9	0.54	-0.2	-20
15	2 46	10 50	18 54	127	6 20.8	22 26	6.3	0.66	-0.6	-18
19	2 59	11 05	19 12	128	6 51.1	22 51	5.8	0.78	-1.0	-15
23	3 18	11 23	19 28	127	7 25.0	22 41	5.4	0.89	-1.3	-11
27	3 44	11 43	19 42	126	8 00.6	21 49	5.2	0.96	-1.7	-7
31	4 13	12 03	19 51	123	8 36.1	20 16	5.0	1.00	-2.0	-2
VIII 4	4 44	12 21	19 56	119	9 10.1	18 10	5.0	0.99	-1.8	3
8	5 15	12 37	19 57	115	9 41.9	15 38	5.0	0.97	-1.3	7
12	5 43	12 50	19 55	110	10 11.2	12 51	5.0	0.94	-0.9	11
16	6 10	13 01	19 51	105	10 38.2	9 56	5.1	0.90	-0.6	14
20	6 33	13 10	19 45	101	11 03.2	6 58	5.3	0.86	-0.4	17
24	6 55	13 17	19 37	96	11 26.3	4 00	5.4	0.82	-0.3	20
28	7 15	13 23	19 29	92	11 47.9	1 07	5.6	0.78	-0.1	22
IX 1	7 32	13 27	19 20	87	12 08.0	- 1 41	5.9	0.74	-0.0	24
5	7 48	13 30	19 10	83	12 26.7	- 4 19	6.1	0.70	0.0	25
9	8 01	13 31	19 00	79	12 43.8	- 6 46	6.5	0.65	0.1	26
13	8 11	13 30	18 48	76	12 59.1	- 8 58	6.9	0.59	0.2	27
17	8 17	13 27	18 36	73	13 12.1	- 10 51	7.3	0.52	0.2	27
21	8 18	13 21	18 22	71	13 22.1	- 12 19	7.9	0.44	0.4	26
25	8 12	13 10	18 08	70	13 27.9	- 13 11	8.5	0.34	0.6	23
29	7 56	12 54	17 52	70	13 28.1	- 13 16	9.2	0.23	1.1	20
X 3	7 28	12 30	17 34	72	13 21.6	- 12 18	9.8	0.12	2.1	14
7	6 48	12 01	17 16	76	13 08.7	- 10 11	10.2	0.03	3.9	6
11	6 03	11 30	17 00	80	12 53.2	- 7 17	10.0	0.01	4.7	-3
15	5 23	11 04	16 46	84	12 41.5	- 4 35	9.3	0.09	2.2	-11
19	4 58	10 47	16 35	86	12 38.9	- 3 04	8.3	0.26	0.6	-16
23	4 50	10 39	16 27	86	12 46.1	- 3 02	7.3	0.46	-0.3	-18
27	4 56	10 39	16 21	84	13 00.9	- 4 14	6.5	0.63	-0.7	-18
31	5 10	10 43	16 15	80	13 20.5	- 6 13	6.0	0.76	-0.8	-17
XI 4	5 28	10 50	16 10	77	13 42.8	- 8 36	5.5	0.85	-0.9	-15
8	5 49	10 58	16 06	73	14 06.5	- 11 07	5.2	0.91	-0.9	-13
12	6 10	11 07	16 02	69	14 30.9	- 13 36	5.0	0.95	-0.9	-10
16	6 32	11 16	15 58	65	14 55.8	- 15 58	4.8	0.98	-0.9	-8
20	6 54	11 25	15 56	61	15 21.1	- 18 08	4.7	0.99	-1.0	-5
24	7 15	11 35	15 55	58	15 46.8	- 20 05	4.7	1.00	-1.1	-3
28	7 35	11 46	15 55	55	16 13.0	- 21 46	4.6	1.00	-1.2	-1
XII 2	7 55	11 57	15 58	53	16 39.6	- 23 10	4.6	1.00	-1.1	2
6	8 13	12 08	16 02	51	17 06.6	- 24 15	4.7	0.99	-1.0	4
10	8 30	12 20	16 09	50	17 34.1	- 25 00	4.7	0.99	-0.9	6
14	8 45	12 32	16 19	49	18 01.8	- 25 23	4.8	0.97	-0.8	8
18	8 56	12 44	16 32	49	18 29.6	- 25 24	4.9	0.95	-0.7	11
22	9 05	12 56	16 47	50	18 57.4	- 25 01	5.1	0.93	-0.7	13
26	9 11	13 07	17 04	52	19 24.5	- 24 13	5.3	0.88	-0.7	15
30	9 13	13 17	17 22	54	19 50.5	- 23 02	5.7	0.82	-0.7	17
2022 I 3	9 11	13 25	17 39	57	20 14.2	- 21 30	6.1	0.73	-0.7	18