

### MERKURY

M d 2017	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	7 18	11 35	15 53	58	18 19.2	- 20 28	9.9	0.03	3.6	-6
4	6 44	11 03	15 22	58	18 01.7	- 20 12	9.4	0.15	1.6	-14
8	6 24	10 42	15 00	58	17 55.1	- 20 24	8.5	0.30	0.5	-19
12	6 16	10 31	14 46	57	17 58.8	- 20 54	7.8	0.44	0.1	-22
16	6 15	10 27	14 39	56	18 09.9	- 21 31	7.1	0.56	-0.1	-24
20	6 19	10 28	14 37	55	18 26.0	- 22 03	6.6	0.64	-0.2	-24
24	6 25	10 32	14 39	54	18 45.4	- 22 24	6.2	0.71	-0.2	-24
28	6 32	10 38	14 45	54	19 07.2	- 22 30	5.8	0.77	-0.2	-23
II 1	6 38	10 46	14 54	55	19 30.5	- 22 19	5.6	0.81	-0.2	-21
5	6 43	10 55	15 06	56	19 54.8	- 21 49	5.4	0.85	-0.2	-20
9	6 48	11 04	15 21	57	20 20.0	- 20 58	5.2	0.88	-0.3	-18
13	6 50	11 14	15 38	59	20 45.6	- 19 46	5.1	0.90	-0.4	-16
17	6 52	11 24	15 58	62	21 11.7	- 18 14	5.0	0.93	-0.5	-14
21	6 51	11 35	16 20	65	21 38.2	- 16 19	4.9	0.95	-0.7	-11
25	6 50	11 46	16 43	69	22 04.9	- 14 03	4.9	0.97	-0.9	-9
III 1	6 48	11 57	17 09	74	22 32.0	- 11 26	4.9	0.99	-1.2	-6
5	6 45	12 09	17 36	78	22 59.4	- 8 28	4.9	1.00	-1.6	-3
9	6 41	12 21	18 04	84	23 27.2	- 5 10	5.0	1.00	-1.7	2
13	6 36	12 34	18 34	89	23 55.2	- 1 36	5.1	0.98	-1.6	6
17	6 30	12 46	19 04	95	0 23.1	2 07	5.4	0.93	-1.4	10
21	6 23	12 57	19 32	101	0 50.2	5 49	5.7	0.84	-1.2	13
25	6 15	13 06	19 58	106	1 15.1	9 16	6.2	0.71	-0.9	16
29	6 06	13 10	20 17	111	1 36.4	12 12	6.9	0.55	-0.5	18
IV 2	5 55	13 10	20 27	114	1 52.6	14 24	7.7	0.39	0.1	19
6	5 42	13 03	20 26	116	2 02.5	15 43	8.7	0.25	0.9	18
10	5 27	12 50	20 13	116	2 05.9	16 06	9.7	0.13	1.9	15
14	5 11	12 31	19 49	115	2 03.1	15 33	10.7	0.05	3.2	10
18	4 56	12 07	19 17	113	1 55.7	14 10	11.4	0.01	4.9	4
22	4 41	11 43	18 42	109	1 46.5	12 16	11.8	0.00	5.3	-3
26	4 27	11 19	18 09	106	1 38.4	10 17	11.7	0.03	3.8	-9
30	4 15	10 59	17 42	104	1 33.4	8 39	11.3	0.09	2.7	-15
V 4	4 04	10 43	17 22	102	1 32.8	7 36	10.7	0.16	1.9	-20
8	3 54	10 31	17 09	102	1 36.5	7 13	10.0	0.23	1.3	-23
12	3 45	10 24	17 04	103	1 44.3	7 29	9.2	0.30	1.0	-25
16	3 36	10 20	17 04	104	1 55.8	8 19	8.5	0.37	0.7	-26
20	3 29	10 19	17 11	106	2 10.5	9 37	7.9	0.44	0.4	-26
24	3 22	10 21	17 22	109	2 28.1	11 17	7.3	0.51	0.2	-25
28	3 17	10 26	17 38	112	2 48.6	13 15	6.7	0.58	-0.0	-23
VI 1	3 13	10 34	17 58	116	3 12.1	15 24	6.3	0.66	-0.3	-21
5	3 11	10 46	18 22	120	3 38.6	17 39	5.9	0.74	-0.6	-18
9	3 12	11 00	18 50	123	4 08.5	19 52	5.6	0.83	-0.9	-15
13	3 17	11 18	19 21	127	4 41.7	21 52	5.3	0.91	-1.3	-10
17	3 28	11 39	19 51	130	5 17.9	23 27	5.2	0.97	-1.8	-6
21	3 43	12 01	20 20	131	5 56.0	24 26	5.1	1.00	-2.2	-1
25	4 05	12 24	20 43	131	6 34.4	24 42	5.1	0.98	-1.8	4
29	4 29	12 45	21 00	130	7 11.5	24 13	5.2	0.94	-1.3	9

MERKURY (c.d.)

M d 2017	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	°
VII 3	4 56	13 04	21 10	128	7 46.2	23 07	5.3	0.88	-0.9	13
7	5 22	13 19	21 14	125	8 17.9	21 31	5.6	0.81	-0.6	17
11	5 47	13 32	21 14	121	8 46.5	19 34	5.8	0.75	-0.4	20
15	6 10	13 41	21 10	118	9 12.1	17 23	6.1	0.69	-0.2	23
19	6 29	13 48	21 04	114	9 34.8	15 04	6.5	0.63	0.0	25
23	6 46	13 51	20 55	110	9 54.7	12 44	6.9	0.57	0.2	26
27	6 59	13 52	20 44	106	10 11.7	10 27	7.3	0.51	0.3	27
31	7 07	13 50	20 31	103	10 25.8	8 17	7.8	0.45	0.5	27
VIII 4	7 12	13 45	20 16	100	10 36.6	6 22	8.4	0.39	0.6	27
8	7 10	13 35	20 00	98	10 43.6	4 48	9.0	0.32	0.9	25
12	7 02	13 22	19 41	96	10 46.3	3 44	9.6	0.24	1.3	22
16	6 45	13 03	19 21	96	10 44.1	3 19	10.2	0.16	1.9	18
20	6 20	12 39	19 00	97	10 36.9	3 42	10.7	0.08	2.8	13
24	5 47	12 12	18 39	99	10 25.7	4 54	10.9	0.02	4.1	7
28	5 10	11 44	18 20	102	10 13.2	6 45	10.6	0.01	4.7	-5
IX 1	4 34	11 19	18 05	105	10 03.3	8 45	10.0	0.06	3.1	-9
5	4 08	11 01	17 55	107	9 59.9	10 23	9.0	0.16	1.5	-14
9	3 53	10 51	17 50	108	10 05.1	11 14	8.0	0.31	0.4	-17
13	3 52	10 50	17 47	108	10 18.6	11 04	7.1	0.49	-0.4	-18
17	4 03	10 55	17 46	106	10 38.8	9 55	6.3	0.67	-0.8	-17
21	4 22	11 04	17 44	102	11 03.1	7 55	5.8	0.81	-1.1	-14
25	4 45	11 15	17 42	98	11 29.3	5 20	5.4	0.90	-1.2	-11
29	5 11	11 25	17 38	94	11 56.0	2 24	5.1	0.96	-1.3	-8
X 3	5 36	11 36	17 34	89	12 22.3	- 0 40	4.9	0.99	-1.4	-5
7	6 01	11 46	17 29	84	12 48.0	- 3 45	4.8	1.00	-1.5	-2
11	6 25	11 55	17 24	79	13 13.1	- 6 46	4.7	1.00	-1.4	2
15	6 48	12 04	17 19	75	13 37.7	- 9 40	4.7	0.99	-1.1	4
19	7 10	12 12	17 13	70	14 02.1	- 12 24	4.7	0.98	-0.9	7
23	7 32	12 21	17 09	66	14 26.2	- 14 56	4.8	0.97	-0.7	9
27	7 53	12 29	17 04	63	14 50.3	- 17 16	4.8	0.95	-0.5	12
31	8 13	12 38	17 01	59	15 14.5	- 19 22	4.9	0.93	-0.4	14
XI 4	8 33	12 46	16 59	56	15 38.7	- 21 13	5.0	0.91	-0.4	16
8	8 51	12 54	16 57	53	16 02.8	- 22 47	5.2	0.88	-0.3	18
12	9 07	13 03	16 58	51	16 26.8	- 24 03	5.4	0.84	-0.3	19
16	9 21	13 10	16 59	50	16 50.3	- 24 59	5.7	0.79	-0.3	21
20	9 31	13 16	17 02	49	17 12.4	- 25 34	6.1	0.72	-0.3	22
24	9 36	13 20	17 04	48	17 32.3	- 25 46	6.6	0.63	-0.3	22
28	9 33	13 19	17 05	49	17 47.8	- 25 34	7.2	0.51	-0.2	21
XII 2	9 21	13 10	17 01	50	17 56.3	- 24 59	8.0	0.36	0.2	19
6	8 55	12 51	16 48	52	17 54.1	- 23 59	8.9	0.19	1.1	15
10	8 15	12 19	16 25	55	17 39.5	- 22 38	9.7	0.04	3.2	7
14	7 27	11 41	15 55	57	17 16.9	- 21 04	9.9	0.01	4.6	-3
18	6 45	11 07	15 28	59	16 57.3	- 19 52	9.4	0.10	2.0	-11
22	6 19	10 43	15 07	60	16 48.3	- 19 25	8.6	0.27	0.6	-17
26	6 08	10 31	14 53	59	16 50.4	- 19 43	7.7	0.43	0.0	-21
30	6 08	10 26	14 44	58	17 00.9	- 20 27	7.0	0.56	-0.2	-22
2018 I 3	6 14	10 27	14 40	56	17 17.0	- 21 21	6.5	0.66	-0.3	-23