

### MERKURY

M d 2014	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	8 18	12 09	16 01	50	18 46.2	- 24 49	4.7	1.00	-1.2	-2
4	8 27	12 22	16 18	51	19 14.6	- 24 21	4.7	0.99	-1.1	4
8	8 34	12 35	16 37	53	19 43.1	- 23 28	4.8	0.98	-1.0	6
12	8 38	12 47	16 58	55	20 11.4	- 22 10	5.0	0.97	-1.0	9
16	8 39	12 59	17 20	58	20 39.2	- 20 28	5.2	0.93	-1.0	11
20	8 38	13 10	17 44	62	21 06.0	- 18 23	5.4	0.88	-0.9	14
24	8 33	13 19	18 06	66	21 31.0	- 15 59	5.8	0.80	-0.9	16
28	8 25	13 25	18 25	70	21 52.8	- 13 25	6.4	0.68	-0.8	18
II 1	8 13	13 24	18 37	74	22 09.2	- 10 57	7.1	0.51	-0.5	18
5	7 56	13 16	18 36	77	22 17.6	- 9 00	8.1	0.32	0.2	17
9	7 33	12 57	18 20	78	22 15.8	- 8 00	9.1	0.15	1.5	13
13	7 06	12 28	17 50	78	22 04.0	- 8 12	10.0	0.03	3.5	7
17	6 40	11 55	17 10	75	21 46.9	- 9 26	10.5	0.01	4.4	-4
21	6 17	11 25	16 31	73	21 31.3	- 11 05	10.4	0.07	2.7	-11
25	6 00	11 00	16 00	71	21 21.9	- 12 35	9.9	0.17	1.5	-18
III 1	5 48	10 44	15 39	69	21 20.1	- 13 39	9.2	0.28	0.9	-22
5	5 40	10 34	15 27	68	21 25.1	- 14 11	8.5	0.37	0.5	-25
9	5 35	10 28	15 22	68	21 35.3	- 14 14	7.9	0.46	0.3	-27
13	5 31	10 27	15 23	69	21 49.3	- 13 49	7.4	0.53	0.2	-28
17	5 28	10 28	15 29	71	22 06.0	- 12 58	6.9	0.59	0.2	-27
21	5 25	10 32	15 39	73	22 24.9	- 11 44	6.6	0.64	0.1	-27
25	5 21	10 36	15 53	75	22 45.3	- 10 07	6.2	0.69	0.0	-25
29	5 17	10 42	16 09	78	23 06.9	- 8 10	5.9	0.74	-0.1	-24
IV 2	5 13	10 50	16 27	82	23 29.7	- 5 53	5.7	0.78	-0.2	-22
6	5 09	10 58	16 48	86	23 53.6	- 3 19	5.5	0.82	-0.4	-19
10	5 04	11 07	17 12	91	0 18.6	- 0 27	5.3	0.87	-0.6	-16
14	5 00	11 18	17 38	96	0 44.9	2 40	5.2	0.91	-0.8	-13
18	4 56	11 30	18 07	101	1 12.7	6 00	5.1	0.95	-1.2	-9
22	4 53	11 44	18 38	107	1 42.2	9 29	5.0	0.98	-1.6	-5
26	4 50	12 00	19 12	112	2 13.4	12 59	5.1	1.00	-2.2	-0
30	4 49	12 17	19 48	118	2 46.2	16 22	5.2	0.98	-1.9	5
V 4	4 49	12 35	20 23	123	3 19.8	19 23	5.3	0.93	-1.5	9
8	4 51	12 52	20 55	127	3 52.9	21 53	5.6	0.83	-1.1	13
12	4 55	13 08	21 22	130	4 24.4	23 43	6.0	0.72	-0.8	17
16	5 00	13 20	21 41	132	4 53.1	24 53	6.6	0.60	-0.4	20
20	5 05	13 29	21 53	133	5 18.2	25 27	7.2	0.50	-0.0	22
24	5 10	13 33	21 57	133	5 39.1	25 30	7.9	0.40	0.4	23
28	5 13	13 33	21 53	132	5 55.5	25 09	8.7	0.31	0.8	22
VI 1	5 13	13 28	21 42	131	6 06.8	24 28	9.5	0.23	1.3	21
5	5 09	13 18	21 25	129	6 12.8	23 33	10.4	0.15	1.9	19
9	5 01	13 02	21 01	127	6 13.3	22 29	11.1	0.09	2.7	15
13	4 48	12 41	20 33	125	6 09.0	21 22	11.8	0.04	3.7	10
17	4 30	12 17	20 03	123	6 01.0	20 19	12.1	0.01	4.8	5
21	4 10	11 52	19 33	122	5 51.4	19 26	12.1	0.01	5.1	-4
25	3 50	11 28	19 06	121	5 42.8	18 52	11.7	0.03	4.0	-9
VI 29	3 29	11 07	18 45	121	5 37.4	18 42	11.0	0.08	2.9	-13

**MERKURY (c.d.)**

M d 2014	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	D	F	V	$\Delta I$
	$\lambda=0$		$\varphi=50$		$0^h UT$					
	h m	h m	h m	°	h m	° ' "	"		m	°
VII 3	3 12	10 51	18 31	121	5 36.7	18 55	10.1	0.14	2.0	-17
7	2 58	10 41	18 25	122	5 41.4	19 29	9.2	0.23	1.2	-20
11	2 48	10 36	18 26	124	5 51.8	20 16	8.3	0.32	0.6	-21
15	2 43	10 37	18 33	125	6 08.0	21 08	7.4	0.43	0.1	-21
19	2 44	10 44	18 44	126	6 29.6	21 53	6.7	0.56	-0.3	-19
23	2 53	10 55	18 58	127	6 56.4	22 19	6.1	0.69	-0.7	-17
27	3 09	11 11	19 13	127	7 27.5	22 15	5.7	0.81	-1.1	-14
31	3 32	11 30	19 26	125	8 01.5	21 32	5.3	0.92	-1.4	-10
VIII 4	4 00	11 49	19 36	122	8 36.4	20 07	5.1	0.98	-1.7	-5
8	4 31	12 07	19 41	119	9 10.5	18 05	5.0	1.00	-2.0	-2
12	5 01	12 23	19 43	115	9 42.9	15 35	5.0	0.99	-1.6	4
16	5 31	12 37	19 42	110	10 12.9	12 48	5.0	0.97	-1.2	8
20	5 58	12 49	19 38	105	10 40.8	9 50	5.0	0.94	-0.9	11
24	6 23	12 59	19 33	100	11 06.6	6 49	5.1	0.90	-0.6	14
28	6 46	13 07	19 26	96	11 30.6	3 47	5.2	0.87	-0.4	17
IX 1	7 07	13 14	19 19	91	11 53.2	0 49	5.4	0.83	-0.2	20
5	7 26	13 19	19 10	87	12 14.4	- 2 03	5.6	0.79	-0.1	22
9	7 43	13 23	19 01	82	12 34.3	- 4 48	5.8	0.75	-0.0	24
13	7 58	13 26	18 51	78	12 52.9	- 7 22	6.1	0.71	0.0	25
17	8 11	13 27	18 41	75	13 10.2	- 9 44	6.4	0.66	0.1	26
21	8 21	13 26	18 30	72	13 25.7	- 11 49	6.8	0.60	0.1	26
25	8 28	13 23	18 19	69	13 39.0	- 13 35	7.3	0.53	0.2	26
29	8 28	13 17	18 06	67	13 49.1	- 14 53	7.8	0.44	0.3	25
X 3	8 21	13 06	17 52	66	13 54.7	- 15 35	8.5	0.34	0.6	23
7	8 03	12 49	17 36	66	13 54.3	- 15 27	9.2	0.22	1.2	19
11	7 32	12 25	17 19	69	13 46.4	- 14 13	9.8	0.10	2.3	13
15	6 49	11 54	17 01	73	13 32.1	- 11 51	10.1	0.01	4.3	5
19	6 03	11 23	16 45	78	13 16.0	- 8 51	9.9	0.02	4.1	-5
23	5 25	10 58	16 31	81	13 05.4	- 6 21	9.1	0.13	1.7	-12
27	5 04	10 42	16 20	83	13 04.6	- 5 14	8.0	0.31	0.3	-17
31	5 00	10 36	16 12	82	13 13.5	- 5 34	7.1	0.50	-0.4	-19
XI 4	5 07	10 37	16 06	79	13 29.3	- 6 59	6.4	0.67	-0.7	-18
8	5 22	10 42	16 00	76	13 49.3	- 9 02	5.9	0.78	-0.8	-17
12	5 40	10 48	15 55	72	14 11.7	- 11 21	5.5	0.86	-0.8	-15
16	6 01	10 56	15 51	68	14 35.4	- 13 43	5.2	0.92	-0.8	-13
20	6 22	11 05	15 48	65	14 59.9	- 16 01	5.0	0.95	-0.8	-10
24	6 43	11 15	15 45	61	15 25.0	- 18 09	4.8	0.97	-0.9	-8
28	7 04	11 25	15 44	58	15 50.7	- 20 03	4.7	0.99	-0.9	-6
XII 2	7 24	11 35	15 45	55	16 16.8	- 21 43	4.7	1.00	-1.0	-4
6	7 44	11 46	15 47	53	16 43.4	- 23 05	4.6	1.00	-1.2	-2
10	8 02	11 57	15 52	51	17 10.5	- 24 09	4.6	1.00	-1.2	-1
14	8 19	12 09	15 59	50	17 38.0	- 24 53	4.7	1.00	-1.0	3
18	8 33	12 21	16 10	49	18 05.9	- 25 15	4.7	0.99	-0.9	6
22	8 45	12 34	16 22	49	18 34.0	- 25 15	4.8	0.98	-0.9	8
26	8 54	12 46	16 38	50	19 02.1	- 24 50	4.9	0.96	-0.8	10
30	9 01	12 58	16 56	52	19 30.0	- 24 02	5.1	0.93	-0.8	12
2015 I 3	9 04	13 09	17 16	54	19 57.1	- 22 48	5.4	0.88	-0.8	15