MERKURY

M d 2016	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	Δl
	λ=0		φ=50		0^hUT					
	h m	h m	h m	°	h m	° '	"		m	°
I 0	9 13	13 26	17 41	57	20 03.3	- 21 25	7.1	0.53	-0.4	20
4	8 57	13 18	17 40	59	20 12.2	- 19 59	8.0	0.35	0.1	18
8	8 31	12 58	17 26	61	20 09.5	- 18 53	9.0	0.16	1.3	13
12	7 57	12 26	16 55	61	19 54.6	- 18 22	9.8	0.03	3.5	6
16	7 20	11 49	16 17	61	19 32.7	- 18 26	10.1	0.02	4.2	-5
20	6 49	11 15	15 41	60	19 13.9	- 18 52	9.7	0.11	2.1	-12
24	6 28	10 51	15 14	59	19 04.3	- 19 29	9.0	0.24	0.9	-19
28	6 17	10 37	14 57	58	19 04.7	- 20 06	8.3	0.37	0.3	-22
II 1	6 12	10 30	14 47	58	19 12.9	- 20 35	7.6	0.49	0.1	-25
5	6 12	10 28	14 44	57	19 26.6	- 20 53	7.0	0.58	-0.0	-25
9	6 14	10 30	14 46	57	19 44.1	- 20 54	6.6	0.65	-0.0	-25
13	6 17	10 35	14 53	58	20 04.1	- 20 38	6.2	0.71	-0.1	-25
17	6 19	10 41	15 03	59	20 25.8	- 20 02	5.9	0.75	-0.1	-24
21	6 21	10 48	15 16	60	20 48.8	- 19 06	5.7	0.79	-0.1	-22
25	6 22	10 56	15 32	63	21 12.7	- 17 50	5.4	0.83	-0.2	-21
29	6 21	11 05	15 50	65	21 37.2	- 16 13	5.3	0.86	-0.3	-19
III 4	6 20	11 15	16 10	69	22 02.3	- 14 16	5.2	0.89	-0.4	-16
8	6 18	11 25	16 33	73	22 28.0	- 11 58	5.1	0.92	-0.6	-14
12	6 15	11 35	16 57	77	22 54.1	- 9 20	5.0	0.95	-0.8	-11
16	6 12	11 46	17 23	82	23 20.9	- 6 23	4.9	0.97	-1.1	-8
20	6 08	11 58	17 50	87	23 48.3	- 3 08	4.9	0.99	-1.5	-4
24	6 03	12 11	18 20	92	0 16.5	0 24	5.0	1.00	-1.9	-1
28	5 58	12 24	18 51	98	0 45.4	4 07	5.1	0.99	-1.8	4
IV 1	5 54	12 37	19 24	104	1 14.6	7 53	5.3	0.94	-1.5	9
5	5 48	12 50	19 55	110	1 43.5	11 31	5.6	0.85	-1.3	13
9	5 43	13 01	20 23	115	2 10.8	14 47	6.1	0.73	-0.9	16
13	5 36	13 10	20 45	119	2 35.1	17 28	6.7	0.59	-0.5	19
17	5 29	13 13	20 59	123	2 55.2	19 27	7.4	0.44	-0.0	20
21	5 20	13 12	21 04	124	3 10.1	20 42	8.3	0.31	0.6	20
25	5 10	13 04	20 58	125	3 19.2	21 13	9.3	0.20	1.3	18
29	4 59	12 51	20 42	124	3 22.3	20 59	10.3	0.11	2.3	15
V 3	4 46	12 32	20 16	123	3 19.9	20 05	11.2	0.04	3.5	10
7	4 33	12 09	19 44	120	3 13.4	18 38	11.8	0.01	5.1	4
11	4 19	11 45	19 10	117	3 05.1	16 53	12.1	0.00	5.6	-2
15	4 05	11 22	18 38	114	2 57.4	15 10	12.0	0.03	4.1	-8
19	3 52	11 02	18 12	112	2 52.5	13 50	11.5	0.07	2.9	-14
23	3 39	10 46	17 52	111	2 51.5	13 02	10.8	0.13	2.1	-18
27	3 28	10 34	17 40	111	2 54.8	12 52	10.0	0.20	1.5	-21
31	3 17	10 26	17 36	112	3 02.5	13 17	9.2	0.27	1.1	-23
VI 4	3 08	10 22	17 37	114	3 14.1	14 12	8.5	0.35	0.7	-24
8	3 01	10 22	17 45	116	3 29.5	15 29	7.7	0.43	0.4	-24
12	2 56	10 26	17 58	118	3 48.5	17 04	7.1	0.51	0.1	-23
16	2 53	10 33	18 16	121	4 11.2	18 47	6.6	0.60	-0.3	-21
20	2 53	10 45	18 38	124	4 37.8	20 32	6.1	0.70	-0.6	-18
24	2 58	11 00	19 03	127	5 08.1	22 07	5.7	0.80	-0.9	-15
28	3 08	11 18	19 30	129	5 42.1	23 22	5.4	0.90	-1.3	-11

MERKURY (c.d.)

M d 2016	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	Δl
	λ=0		φ=50		0^hUT					
	h m	h m	h m	°	h m	° '	"		m	°
VII 2	3 25	11 40	19 55	130	6 18.9	24 04	5.2	0.97	-1.7	-6
6	3 47	12 02	20 16	130	6 56.9	24 03	5.1	1.00	-2.1	-2
10	4 14	12 24	20 32	128	7 34.5	23 19	5.0	0.99	-1.8	4
14	4 43	12 43	20 42	126	8 10.1	21 56	5.1	0.95	-1.3	8
18	5 12	13 00	20 46	122	8 43.1	20 02	5.2	0.90	-0.9	12
22	5 40	13 14	20 46	118	9 13.1	17 47	5.4	0.85	-0.6	16
26	6 05	13 25	20 43	114	9 40.4	15 18	5.6	0.80	-0.4	19
30	6 28	13 34	20 37	110	10 05.0	12 42	5.8	0.75	-0.2	22
VIII 3	6 48	13 40	20 30	106	10 27.3	10 03	6.1	0.70	-0.0	24
7	7 05	13 44	20 21	101	10 47.3	7 25	6.4	0.65	0.1	25
11	7 19	13 46	20 10	97	11 05.0	4 53	6.8	0.59	0.2	27
15	7 30	13 45	19 58	94	11 20.4	2 31	7.2	0.54	0.3	27
19	7 37	13 41	19 45	91	11 33.1	0 23	7.7	0.48	0.4	27
23	7 39	13 35	19 30	88	11 42.8	- 1 24	8.2	0.40	0.6	26
27	7 35	13 24	19 13	86	11 48.7	- 2 43	8.8	0.32	0.8	25
31	7 23	13 09	18 55	85	11 50.0	- 3 24	9.5	0.24	1.2	21
IX 4	7 02	12 49	18 36	86	11 46.0	- 3 14	10.1	0.14	1.9	17
8	6 31	12 23	18 16	88	11 36.6	- 2 05	10.5	0.06	3.1	11
12	5 52	11 54	17 58	91	11 23.5	- 0 01	10.5	0.01	4.7	4
16	5 12	11 26	17 42	95	11 10.9	2 30	10.1	0.03	3.9	-6
20	4 39	11 04	17 31	98	11 03.7	4 41	9.2	0.12	1.9	-12
24	4 20	10 51	17 23	100	11 05.1	5 53	8.2	0.28	0.5	-16
28	4 15	10 47	17 17	100	11 15.5	5 51	7.2	0.47	-0.3	-18
X 2	4 23	10 49	17 14	97	11 33.1	4 39	6.4	0.64	-0.8	-17
6	4 40	10 56	17 10	94	11 55.2	2 36	5.9	0.79	-1.0	-15
10	5 01	11 04	17 06	90	12 19.5	- 0 00	5.4	0.88	-1.1	-13
14	5 24	11 14	17 02	85	12 44.6	- 2 52	5.1	0.94	-1.1	-10
18	5 48	11 23	16 57	81	13 09.8	- 5 48	4.9	0.98	-1.2	-7
22	6 11	11 33	16 52	76	13 34.9	- 8 42	4.8	0.99	-1.3	-4
26	6 35	11 42	16 48	72	13 59.9	- 11 28	4.7	1.00	-1.4	-1
30	6 57	11 51	16 43	68	14 24.8	- 14 05	4.7	1.00	-1.3	2
XI 3	7 19	12 00	16 40	64	14 49.7	- 16 30	4.7	0.99	-1.0	4
7	7 41	12 09	16 37	60	15 14.7	- 18 41	4.7	0.99	-0.8	6
11	8 02	12 19	16 35	57	15 39.9	- 20 38	4.7	0.97	-0.7	9
15	8 22	12 29	16 35	54	16 05.4	- 22 18	4.8	0.96	-0.6	11
19	8 41	12 39	16 36	52	16 31.2	- 23 41	4.9	0.94	-0.5	13
23	8 58	12 49	16 40	50	16 57.1	- 24 44	5.1	0.91	-0.5	15
27	9 12	12 59	16 45	49	17 22.9	- 25 27	5.3	0.88	-0.5	17
XII 1	9 24	13 08	16 53	48	17 48.3	- 25 48	5.5	0.83	-0.5	18
5	9 32	13 17	17 02	48	18 12.6	- 25 47	5.9	0.77	-0.5	20
9	9 35	13 23	17 11	49	18 34.7	- 25 23	6.3	0.68	-0.5	21
13	9 32	13 24	17 17	51	18 52.8	- 24 39	7.0	0.56	-0.4	21
17	9 20	13 18	17 18	53	19 04.0	- 23 40	7.8	0.40	-0.0	19
21	8 57	13 02	17 07	54	19 04.7	- 22 35	8.7	0.22	0.8	15
25	8 21	12 32	16 44	56	18 52.5	- 21 34	9.6	0.06	2.7	9
29	7 39	11 54	16 10	58	18 30.7	- 20 45	10.0	0.00	4.8	3
2017 I 2	7 00	11 18	15 37	58	18 09.2	- 20 16	9.7	0.08	2.5	-10