

MERKURY

M d 2009	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	ΔI
	$\lambda=0$		$\varphi=50$		0 ^h UT					
	h m	h m	h m	°	h m	° ' "	"		m	°
I 0	9 15	13 24	17 34	55	20 02.5	- 22 12	6.1	0.74	-0.7	19
4	9 09	13 28	17 48	58	20 22.5	- 20 33	6.7	0.61	-0.6	19
8	8 56	13 24	17 53	61	20 36.0	- 18 53	7.5	0.45	-0.2	19
12	8 35	13 11	17 47	63	20 39.7	- 17 29	8.5	0.25	0.6	16
16	8 06	12 45	17 23	64	20 31.2	- 16 44	9.4	0.09	2.2	10
20	7 32	12 10	16 47	64	20 12.5	- 16 46	10.1	0.01	4.5	3
24	6 59	11 34	16 08	63	19 51.6	- 17 22	10.1	0.05	3.1	-8
28	6 34	11 05	15 35	62	19 37.1	- 18 11	9.5	0.16	1.5	-16
II 1	6 19	10 45	15 11	60	19 32.2	- 18 57	8.8	0.29	0.7	-21
5	6 11	10 34	14 57	59	19 36.0	- 19 33	8.1	0.41	0.3	-24
9	6 08	10 29	14 51	59	19 46.4	- 19 54	7.5	0.51	0.1	-26
13	6 07	10 29	14 51	59	20 01.3	- 19 58	7.0	0.59	0.0	-26
17	6 08	10 31	14 55	59	20 19.4	- 19 42	6.5	0.65	-0.0	-26
21	6 09	10 36	15 04	60	20 39.8	- 19 07	6.2	0.71	-0.0	-25
25	6 10	10 42	15 16	62	21 01.6	- 18 11	5.9	0.75	-0.1	-24
III 1	6 10	10 50	15 30	64	21 24.5	- 16 54	5.7	0.79	-0.1	-22
5	6 09	10 58	15 48	67	21 48.3	- 15 17	5.5	0.83	-0.2	-21
9	6 07	11 07	16 07	70	22 12.7	- 13 20	5.3	0.86	-0.3	-18
13	6 05	11 16	16 28	74	22 37.8	- 11 03	5.2	0.89	-0.5	-16
17	6 02	11 26	16 52	78	23 03.4	- 8 26	5.1	0.92	-0.7	-13
21	5 58	11 37	17 17	83	23 29.8	- 5 30	5.0	0.95	-0.9	-10
25	5 54	35 48	17 44	88	23 57.0	- 2 17	5.0	0.98	-1.3	-6
29	5 49	12 01	18 14	94	0 25.1	1 12	5.0	1.00	-1.8	-3
IV 2	5 45	12 14	18 45	99	0 54.1	4 53	5.1	1.00	-1.9	2
6	5 41	12 28	19 18	105	1 23.9	8 39	5.2	0.97	-1.7	6
10	5 36	12 42	19 51	111	1 53.9	12 17	5.5	0.90	-1.4	11
14	5 32	12 56	20 22	117	2 23.0	15 36	5.8	0.79	-1.1	14
18	5 27	13 06	20 47	121	2 50.0	18 23	6.3	0.66	-0.7	18
22	5 22	13 13	21 06	124	3 13.5	20 30	7.0	0.52	-0.3	20
26	5 17	13 16	21 17	127	3 32.5	21 56	7.8	0.39	0.2	20
30	5 10	13 13	21 17	128	3 46.4	22 41	8.7	0.27	0.8	20
V 4	5 01	13 05	21 08	128	3 54.5	22 47	9.6	0.17	1.6	18
8	4 51	12 51	20 49	127	3 56.9	22 16	10.6	0.09	2.5	14
12	4 39	12 32	20 22	125	3 54.0	21 11	11.4	0.04	3.7	9
16	4 26	12 09	19 50	122	3 47.2	19 43	12.0	0.01	5.2	4
20	4 12	11 45	19 17	119	3 38.9	18 04	12.2	0.00	5.5	-3
24	3 57	11 22	18 46	117	3 31.3	16 33	12.0	0.03	4.0	-9
28	3 43	11 02	18 20	115	3 26.6	15 26	11.4	0.07	2.9	-14
VI 1	3 29	10 46	18 02	114	3 25.9	14 52	10.7	0.14	2.1	-18
5	3 17	10 34	17 52	114	3 29.7	14 53	9.9	0.20	1.5	-21
9	3 07	10 27	17 48	115	3 37.8	15 26	9.0	0.28	1.0	-23
13	2 58	10 24	17 52	117	3 50.2	16 25	8.3	0.36	0.6	-23
17	2 51	10 25	18 01	119	4 06.6	17 43	7.5	0.44	0.3	-23
21	2 48	10 31	18 15	122	4 27.1	19 12	6.9	0.54	-0.1	-22
25	2 47	10 40	18 34	125	4 51.7	20 44	6.4	0.64	-0.4	-20
VI 29	2 51	10 53	18 57	127	5 20.4	22 09	5.9	0.75	-0.8	-17

MERKURY (c.d.)

M d 2009	Wsch.	Kulm.	Zach.	A	α	δ	D	F	V	ΔI
	$\lambda=0$		$\varphi=50$				0 ^h UT			
VII 3	3 01	11 11	19 21	129	5 53.0	23 15	5.5	0.85	-1.1	-13
7	3 17	11 31	19 45	130	6 28.8	23 50	5.3	0.94	-1.5	-8
11	3 40	11 53	20 05	129	7 06.2	23 44	5.1	0.99	-1.9	-4
15	4 08	12 14	20 20	128	7 43.6	22 54	5.0	1.00	-2.0	-2
19	4 37	12 34	20 29	125	8 19.4	21 24	5.0	0.98	-1.5	6
23	5 07	12 51	20 33	121	8 52.6	19 25	5.1	0.93	-1.1	10
27	5 36	13 06	20 33	117	9 23.1	17 03	5.2	0.89	-0.8	14
31	6 02	13 17	20 31	113	9 50.9	14 28	5.4	0.84	-0.5	17
VIII 4	6 26	13 27	20 25	108	10 16.2	11 45	5.6	0.79	-0.3	20
8	6 47	13 34	20 18	104	10 39.2	9 00	5.8	0.74	-0.1	22
12	7 05	13 38	20 10	100	11 00.1	6 16	6.1	0.70	-0.0	24
16	7 21	13 41	20 00	95	11 19.0	3 37	6.4	0.65	0.1	26
20	7 34	13 42	19 48	92	11 35.8	1 07	6.8	0.59	0.2	27
24	7 44	13 40	19 36	88	11 50.4	- 1 11	7.2	0.54	0.3	27
28	7 49	13 36	19 22	85	12 02.4	- 3 12	7.7	0.47	0.4	27
IX 1	7 49	13 29	19 07	83	12 11.1	- 4 49	8.3	0.40	0.6	26
5	7 43	13 17	18 51	81	12 15.9	- 5 53	8.9	0.31	0.8	24
9	7 28	13 00	18 33	81	12 15.6	- 6 13	9.5	0.21	1.3	20
13	7 02	12 38	18 14	82	12 09.6	- 5 35	10.1	0.11	2.2	15
17	6 26	12 10	17 55	85	11 58.2	- 3 54	10.4	0.03	3.7	8
21	5 45	11 41	17 38	89	11 44.4	- 1 24	10.3	0.01	4.9	3
25	5 06	11 14	17 24	93	11 33.0	1 12	9.7	0.06	2.9	-9
29	4 38	10 56	17 14	96	11 28.9	3 05	8.7	0.19	1.1	-14
X 3	4 25	10 46	17 07	96	11 34.2	3 41	7.7	0.37	0.0	-17
7	4 27	10 45	17 02	95	11 47.9	2 59	6.8	0.56	-0.6	-18
11	4 40	10 49	16 57	92	12 07.4	1 16	6.1	0.72	-0.9	-17
15	4 58	10 57	16 53	88	12 30.2	- 1 06	5.6	0.84	-1.0	-15
19	5 20	11 05	16 49	84	12 54.5	- 3 50	5.3	0.91	-1.0	-12
23	5 43	11 14	16 44	79	13 19.3	- 6 40	5.0	0.96	-1.1	-9
27	6 06	11 23	16 39	75	13 44.3	- 9 29	4.9	0.98	-1.2	-6
31	6 29	11 33	16 35	71	14 09.3	- 12 12	4.8	0.99	-1.2	-3
XI 4	6 52	11 42	16 31	67	14 34.3	- 14 45	4.7	1.00	-1.3	-1
8	7 14	11 51	16 28	63	14 59.4	- 17 06	4.7	1.00	-1.2	2
12	7 35	12 01	16 25	59	15 24.7	- 19 13	4.7	0.99	-1.0	4
16	7 56	12 11	16 24	56	15 50.3	- 21 05	4.7	0.99	-0.8	6
20	8 16	12 21	16 25	54	16 16.2	- 22 40	4.7	0.97	-0.7	8
24	8 35	12 32	16 27	51	16 42.4	- 23 57	4.8	0.96	-0.6	11
28	8 52	12 42	16 32	50	17 08.9	- 24 55	4.9	0.94	-0.6	13
XII 2	9 07	12 53	16 39	49	17 35.5	- 25 31	5.1	0.91	-0.5	15
6	9 19	13 04	16 48	48	18 01.8	- 25 46	5.3	0.87	-0.5	17
10	9 27	13 13	16 59	49	18 27.3	- 25 37	5.6	0.82	-0.6	18
14	9 31	13 21	17 11	50	18 51.2	- 25 06	6.0	0.74	-0.6	20
18	9 30	13 25	17 22	52	19 12.1	- 24 14	6.6	0.64	-0.5	20
22	9 21	13 24	17 27	54	19 27.5	- 23 07	7.3	0.49	-0.3	20
26	9 04	13 14	17 24	56	19 34.2	- 21 55	8.2	0.32	0.3	17
30	8 35	12 51	17 06	57	19 28.8	- 20 52	9.1	0.13	1.6	12
2010 I 3	7 57	12 16	16 35	58	19 11.2	- 20 10	9.9	0.02	4.0	5