

with clock times in UT/GMT. The year -500 astronomical counting style corresponds to year 501 B.C.E historical counting style.

Jan. -500j	July -500j	Jan. -499j	Aug. -499j	Feb. -498j	Aug. -498j	March -497j	Sept. -497j	March -496j	Oct. -496j	Apr. -495j	Oct. -495j
2 12:58	13 21:54	23 08:24	2 16:24	12 03:28	24 13:44	1 23:19	11 08:49	22 21:08	2 08:32	13 22:10	24 11:04
4 14:13	15 23:47	25 11:30	4 17:55	14 06:30	26 18:34	3 23:57	13 10:41	24 23:52	4 12:30	16 02:30	26 15:10
6 18:06	18 05:18	27 18:49	6 23:11	16 13:14	29 02:37	6 02:47	15 14:55	27 04:59	6 18:24	18 08:18	28 20:38
9 01:52	20 14:58	30 05:51	9 08:19	18 23:13	31 13:14	8 08:35	17 21:54	29 12:36	9 02:13	20 15:57	31 04:29
11 13:17	23 03:27		11 20:05	21 11:11		10 17:21	20 07:24	31 22:23	11 12:01	23 01:53	
14 02:19	25 16:23	Feb. -499j	14 08:45	23 23:53	Sept. -498j	13 04:27	22 18:55		13 23:44	25 13:58	Nov. -495j
16 14:29	28 03:56	1 18:38	16 21:07	26 12:20	3 01:32	15 17:03	25 07:39		16 12:27	28 02:40	2 15:15
19 00:21	30 13:30	4 07:08	19 08:26	28 23:29	5 14:33	18 06:00	27 20:22	Apr. -496j	19 00:11	30 13:30	5 04:05
21 07:51		6 18:18	21 17:50		8 03:03	20 17:50	30 07:17	3 09:54	21 08:43		7 16:24
23 13:29	Aug. -500j	9 03:48	24 00:17	March -498j	10 13:25	23 02:54		5 22:27	23 13:14	May -495j	9 10:42
25 17:36	1 21:04	11 11:15	26 03:22	3 08:00	12 20:13	25 08:18		8 10:38	25 14:31	2 20:36	12 07:10
27 20:26	4 02:35	13 16:09	28 03:49	5 13:00	14 23:13	27 10:16		10 20:35	27 14:27	4 23:59	14 09:47
29 22:24	6 05:58	15 18:24	30 03:20	7 14:43	16 23:27	29 10:08		13 02:53	29 15:05	7 01:05	16 11:16
	8 07:29	17 18:52		9 14:27	18 22:44	31 09:41		15 05:30	31 18:01	9 01:48	18 13:11
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3 04:08	14 14:26	24 03:24	3 07:45	15 20:53	25 08:54	2 10:49	12 21:17	21 06:31	2 23:55	15 14:17	25 03:52
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7 21:21	19 10:44		8 02:37	20 17:26	30 07:37	6 23:09	17 13:10	28 04:24	7 18:50	20 09:00	29 23:07
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17 14:58	29 02:49	6 01:03	17 23:17	30 13:41	5 08:49	16 23:45	27 13:59	3 04:51	17 17:49	30 05:59	5 00:42
19 19:30	31 07:56	8 09:51	20 06:06		7 19:16	19 09:22	29 22:57	5 17:12	19 23:49		7 11:10
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26 05:10	2 11:50	15 01:07	26 13:33	3 22:52	14 09:50	25 20:44		12 15:41	26 00:25	3 11:03	13 20:45
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24 15:33	Dec. -500j	11 03:44	24 01:40	1 01:29	10 15:20	23 03:05		8 20:39	22 15:17	Sept. -495j	12 05:51
27 02:28	1 20:57	13 11:03	26 11:15	3 07:15	12 20:52	25 08:35		10 22:47	24 22:45	1 20:48	14 08:29
29 15:04	4 06:14	15 20:43	28 22:34	5 14:48	15 04:25	27 16:53		13 02:40	27 09:31	4 02:00	16 14:47
	6 17:38	18 08:07	31 11:12	8 00:31	17 14:38	30 04:08		15 09:30		6 10:58	19 01:04
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with clock times in UT/GMT. The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

May -494j	Nov. -494j	May -493j	Dec. -493j	June -492j	Dec. -492j	July -491j	Jan. -490j	July -490j	Feb. -489j	Aug. -489j	Feb. -488j
Ω 1 18:11	♂ 11 06:58	♂ 23 19:01	♂ 1 05:10	♂ 11 16:01	♂ 22 03:05	♂ 1 12:31	♂ 10 23:10	♂ 23 07:15	♂ 1 17:27	♂ 14 02:40	♂ 23 15:04
♂ 3 21:02	♂ 13 09:08	♂ 25 20:13	♂ 3 06:17	♂ 13 16:20	♂ 24 02:54	♂ 3 12:11	♂ 12 22:12	♂ 25 06:38	♂ 3 17:50	♂ 16 04:48	♂ 25 18:13
♂ 5 23:49	♂ 15 11:14	♂ 27 22:05	♂ 5 07:02	♂ 15 17:03	♂ 26 03:43	♂ 5 11:51	♂ 14 22:14	♂ 27 08:15	♂ 5 21:05	♂ 18 09:42	♂ 27 23:51
♂ 8 03:22	♂ 17 14:42	♂ 30 02:14	♂ 7 09:08	♂ 17 19:52	♂ 28 07:23	♂ 7 13:35	♂ 17 01:21	♂ 29 13:31	♂ 8 03:48	♂ 20 17:23	
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♂ 12 17:39	♂ 22 06:59	June -493j	♂ 11 22:50	♂ 22 11:59		♂ 12 04:26	♂ 21 19:27		♂ 13 01:01	♂ 25 15:11	♂ 1 07:58
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June -494j	♂ 10 15:15	♂ 22 03:32	Jan. -492j	♂ 11 01:15	♂ 20 13:20	♂ 20 13:20	Aug. -491j	♂ 2 09:22	♂ 3 04:02	♂ 12 13:08	♂ 24 01:22
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♂ 20 16:27	♂ 30 03:35	♂ 7 07:36	♂ 18 22:48	♂ 30 08:39	♂ 7 13:29	♂ 7 13:29	♂ 19 05:35	♂ 31 19:13	♂ 6 20:08		♂ 9 13:32
♂ 22 16:51		♂ 9 11:23	♂ 20 23:56		♂ 9 18:03	♂ 9 18:03	♂ 21 09:26		♂ 9 03:09	♂ 22 23:19	Nov. -489j
♂ 24 16:45	Feb. -493j	♂ 11 12:41	♂ 23 01:10	Sept. -492j	♂ 11 21:07	♂ 11 21:07	♂ 23 12:35	Apr. -490j	♂ 11 08:09	♂ 27 00:35	♂ 1 18:28
♂ 26 17:56	♂ 1 03:39	♂ 13 13:15	♂ 25 03:53	♂ 1 10:41	♂ 13 23:50	♂ 13 23:50	♂ 25 15:21	♂ 2 22:52	♂ 13 11:17	♂ 3 22:52	♂ 3 22:51
♂ 28 21:46	♂ 3 03:55	♂ 15 14:50	♂ 27 08:39	♂ 3 13:16	♂ 16 02:51	♂ 16 02:51	♂ 27 18:22	♂ 5 01:28	♂ 15 13:07	♂ 6 11:02	♂ 5 11:02
♂ 31 04:50	♂ 5 06:05	♂ 17 18:37	♂ 29 15:26	♂ 5 16:56	♂ 18 06:28	♂ 18 06:28	♂ 29 22:45	♂ 7 03:40	♂ 17 14:42	♂ 8 12:12	♂ 7 05:49
Aug. -494j	♂ 7 11:14	♂ 20 00:58		♂ 7 21:52	♂ 20 11:08	♂ 20 11:08		♂ 9 06:33	♂ 19 17:29	♂ 10 15:54	♂ 9 13:32
♂ 2 14:48	♂ 9 19:28	♂ 22 09:36	March -492j	♂ 10 04:19	♂ 22 17:40	♂ 22 17:40	Oct. -491j	♂ 11 11:25	♂ 21 22:52	♂ 12 23:25	♂ 10 00:02
♂ 5 02:47	♂ 12 06:04	♂ 24 20:06	♂ 3 00:05	♂ 12 12:53	♂ 25 02:52	♂ 25 02:52	♂ 2 05:42	♂ 13 19:17	♂ 24 07:38	♂ 15 10:36	♂ 12 06:56
♂ 7 15:39	♂ 14 18:09	♂ 27 08:05	♂ 5 10:39	♂ 14 23:57	♂ 27 14:43	♂ 27 14:43	♂ 4 15:51	♂ 16 06:10	♂ 26 19:18	♂ 17 23:36	♂ 14 10:21
♂ 10 04:12	♂ 17 06:52	♂ 29 20:47	♂ 7 22:57	♂ 17 12:47	♂ 30 03:38	♂ 30 03:38	♂ 7 04:18	♂ 18 18:38	♂ 29 07:51	♂ 20 11:54	♂ 16 11:03
♂ 12 15:01	♂ 19 19:05		♂ 20 11:44	♂ 20 01:10			♂ 9 16:44	♂ 21 06:21	♂ 31 19:04	♂ 22 21:58	June -488j
♂ 14 22:45	♂ 22 05:12	Sept. -493j	♂ 12 22:44	♂ 22 10:30	Apr. -491j	♂ 12 02:43	♂ 12 02:43	♂ 23 15:34	♂ 13 13:07	♂ 25 05:39	♂ 1 01:57
♂ 16 07:34	♂ 24 11:48	♂ 1 08:30	♂ 15 05:58	♂ 24 15:46	♂ 1 14:58	♂ 1 14:58	♂ 14 09:24	♂ 25 21:50	♂ 15 13:07	♂ 26 15:34	♂ 3 11:31
♂ 18 13:48	♂ 26 14:35	♂ 3 17:14	♂ 17 09:08	♂ 26 17:49	♂ 3 22:50	♂ 3 22:50	♂ 16 13:20	♂ 28 01:48	♂ 18 09:32	♂ 29 00:01	♂ 4 19:43
♂ 20 16:27	♂ 28 14:34	♂ 5 21:53	♂ 19 09:34	♂ 28 18:28	♂ 6 03:10	♂ 6 03:10	♂ 18 15:49	♂ 30 04:29	♂ 20 16:52	♂ 31 05:56	♂ 7 05:49
♂ 22 16:51		♂ 7 23:03	♂ 21 09:21	♂ 30 19:33	♂ 8 05:10	♂ 8 05:10	♂ 20 18:02		♂ 6 20:08		♂ 9 13:32
♂ 24 16:45	Feb. -493j	♂ 9 22:31	♂ 23 10:27	Oct. -492j	♂ 10 06:28	♂ 10 06:28	♂ 22 20:51	May -490j	♂ 9 03:09	♂ 27 00:35	♂ 1 18:28
♂ 26 17:56	♂ 2 13:41	♂ 11 22:27	♂ 25 14:11	♂ 2 22:23	♂ 12 08:26	♂ 12 08:26	♂ 25 00:48	♂ 3 20:52	♂ 11 08:09	♂ 3 22:52	♂ 3 22:51
♂ 28 21:46	♂ 4 14:06	♂ 14 00:47	♂ 27 20:54	♂ 5 03:27	♂ 14 11:52	♂ 14 11:52	♂ 27 06:21	♂ 5 01:28	♂ 13 11:17	♂ 6 11:02	♂ 5 11:02
♂ 31 04:50	♂ 6 17:39	♂ 16 06:29	♂ 30 06:06	♂ 7 10:41	♂ 16 10:17	♂ 16 10:17	♂ 29 14:00	♂ 7 03:40	♂ 15 13:07	♂ 8 12:12	♂ 7 05:49
Sept. -494j	♂ 9 01:06	♂ 18 15:21		♂ 9 19:57	♂ 19 00:35	♂ 19 00:35		♂ 9 06:33	♂ 17 14:42	♂ 10 15:54	♂ 9 13:32
♂ 1 08:48	♂ 11 11:48	♂ 21 02:21	Apr. -492j	♂ 12 07:12	♂ 21 10:16	♂ 21 10:16	Nov. -491j	♂ 11 11:25	♂ 21 22:52	♂ 12 23:25	♂ 10 00:02
♂ 3 21:44	♂ 14 00:12	♂ 23 14:31	♂ 1 17:09	♂ 12 22:05	♂ 23 22:08	♂ 23 22:08	♂ 1 00:06	♂ 13 19:17	♂ 24 07:38	♂ 15 10:36	♂ 12 06:56
♂ 6 10:05	♂ 16 12:56	♂ 26 03:11	♂ 4 05:32	♂ 14 20:01	♂ 26 11:06	♂ 26 11:06	♂ 3 12:18	♂ 16 06:10	♂ 26 19:18	♂ 17 23:36	♂ 14 10:21
♂ 8 21:01	♂ 19 01:06	♂ 28 15:20	♂ 6 18:27	♂ 17 12:47	♂ 28 23:09	♂ 28 23:09	♂ 7 04:18	♂ 18 18:38	♂ 29 07:51	♂ 20 11:54	♂ 16 11:03
♂ 11 05:44	♂ 21 11:46		♂ 9 06:14								

with clock times in UT/GMT. The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

Sept. -488j	March -487j	Sept. -487j	Apr. -486j	Oct. -486j	Apr. -485j	Nov. -485j	May -484j	Nov. -484j	June -483j	Dec. -483j	June -482j
2 00:12	II 14 13:03	III 24 00:52	I 08:50	III 11 20:53	II 23 10:30	I 2 23:00	II 14 10:35	II 23 20:59	I 1 05:44	II 11 17:01	III 23 02:44
4 02:32	III 16 15:56	III 26 04:27	II 3 11:29	II 13 23:59	III 25 13:05	I 5 00:30	III 16 11:03	III 25 20:59	II 3 06:52	III 13 17:11	III 25 02:15
6 06:41	III 18 20:35	III 28 09:27	III 5 14:24	III 16 02:51	III 27 15:07	II 7 01:39	III 18 12:05	III 27 22:29	I 5 06:38	III 15 16:38	III 27 01:55
8 12:58	III 21 03:17	III 30 16:15	I 7 18:03	III 18 06:00	III 29 17:43	I 9 04:13	III 20 15:33	III 30 03:10	I 7 06:53	III 17 17:18	III 29 03:41
10 21:33	III 23 12:11		I 9 22:54	III 20 10:28		II 11 09:56	III 22 22:42		I 9 09:25	III 19 20:57	
13 08:22	III 25 23:09	Oct. -487j	II 12 05:37	III 22 17:32	May -485j	III 13 19:32	III 25 09:23	Dec. -484j	II 11 15:29	III 22 04:32	July -482j
15 20:53	III 28 11:33	III 3 01:17	II 14 14:55	III 25 03:51	I 1 22:25	III 16 07:53	III 27 21:54	I 2 11:44	II 14 01:15	III 24 15:38	I 1 09:02
18 09:41	III 30 23:49	III 5 12:37	II 17 02:42	III 27 16:31	I 4 06:29	III 18 20:28	III 30 09:59	I 4 23:21	II 16 13:30	III 27 04:32	I 3 18:16
20 20:43		III 8 01:14	III 19 15:22	III 30 04:57	III 6 17:53	II 21 07:03		I 7 12:02	II 19 02:20	III 29 17:20	I 6 06:18
23 04:16	Apr. -487j	III 10 12:59	III 22 02:25		III 9 06:45	II 23 15:01	June -484j	I 9 23:54	III 21 14:09		I 8 19:20
25 08:01	III 2 09:52	III 12 21:43	III 24 09:59	Nov. -486j	II 11 18:20	III 25 20:51	II 1 20:15	II 12 09:56	III 24 00:02	Jan. -482j	III 11 07:51
27 08:59	III 4 16:22	III 15 02:40	III 26 14:05	I 1 14:38	II 14 02:59	III 28 01:17	II 4 04:19	II 14 17:52	III 26 07:31	II 1 04:44	III 13 18:54
29 08:51	III 6 19:20	III 17 04:39	III 28 15:59	I 3 20:48	II 16 08:48	III 30 04:45	II 6 10:22	III 16 23:41	III 28 12:30	II 3 14:07	III 16 03:42
	III 8 20:02	III 19 05:23	III 30 17:25	II 6 00:20	III 18 12:45		II 8 14:38	III 19 03:29	III 30 15:12	II 5 21:04	III 18 09:38
Oct. -488j	III 10 20:18	III 21 06:40		II 8 02:45	III 20 15:52	Dec. -485j	II 10 17:23	III 21 05:39		III 8 01:24	III 20 12:29
II 1 09:29	III 12 21:52	III 23 09:49	May -486j	II 10 05:19	III 22 18:47	I 2 07:32	III 12 19:17	III 23 07:06	July -483j	III 10 03:20	III 22 12:58
3 12:24	III 15 02:00	III 25 15:22	II 2 19:46	II 12 08:40	III 24 21:51	II 4 10:12	III 14 21:24	III 25 09:09	I 2 16:22	III 12 03:48	III 24 12:35
5 18:28	III 17 09:04	III 27 23:06	II 4 23:45	II 14 13:01	III 27 01:38	I 6 13:46	III 17 01:08	III 27 13:17	II 4 17:15	III 14 04:21	III 26 13:19
8 03:34	III 19 18:38	III 30 08:44	II 6 05:30	II 16 18:36	III 29 07:00	I 8 19:31	III 19 07:42	III 29 20:38	II 6 19:24	III 16 06:49	III 28 17:08
10 14:55	III 22 05:59		II 9 13:02	II 19 02:05	III 31 15:00	II 11 04:24	III 21 17:32		I 9 00:21	III 18 12:48	III 30 01:06
13 03:31	III 24 18:24	Nov. -487j	II 11 22:36	II 21 12:10	June -485j	II 13 16:09	III 24 05:39	Jan. -483j	II 11 08:56	III 20 22:49	Aug. -482j
15 16:21	III 27 06:54	I 1 20:05	II 14 10:15	III 24 00:35	I 3 01:58	II 16 04:50	III 26 17:54	I 1 07:17	III 13 20:38	II 23 11:28	II 2 12:39
18 04:06	III 29 17:55	II 4 08:42	II 16 23:05	III 26 13:29	II 5 14:42	II 18 15:57	III 29 04:13	I 3 19:49	III 16 09:27	III 26 00:18	II 4 12:39
20 20:12		II 6 21:11	II 19 10:54	III 29 00:08	II 8 02:45	II 20 23:59		I 6 07:52	III 18 21:07	III 28 11:19	II 6 01:41
22 18:32	May -487j	II 9 07:15	II 21 19:26	Dec. -486j	II 10 11:53	III 23 05:01	July -484j	II 8 17:38	III 21 06:21	III 30 19:57	II 7 14:01
24 20:20	II 2 01:45	II 13 13:20	II 23 23:52	I 1 06:51	II 12 17:31	III 25 08:05	I 1 11:45	III 11 00:39	III 23 13:07		II 10 00:35
26 19:53	II 4 05:42	II 15 15:28	II 26 01:13	II 3 09:58	II 14 20:31	III 27 10:23	II 3 16:48	III 13 05:26	III 25 17:56	Feb. -482j	II 12 09:10
28 19:08	II 6 06:28	II 17 14:50	II 28 02:16	II 5 11:04	II 16 22:22	III 29 12:55	II 5 20:11	III 15 08:51	III 27 21:23	II 2 02:30	II 14 15:44
30 20:12	II 8 05:47	II 19 16:17		II 7 12:00	II 18 19:36	III 31 16:19	II 7 22:49	III 17 11:42	III 29 23:57	II 4 07:20	II 16 20:02
Nov. -488j	II 10 05:48	II 21 20:53	June -486j	II 9 14:13	II 20 03:17	Jan. -484j	II 10 01:28	III 19 14:33	Aug. -483j	II 6 10:40	II 18 22:09
2 00:46	II 12 08:26	II 24 04:41	I 1 05:18	II 11 18:26	III 23 07:44	I 2 21:07	III 12 04:48	III 21 17:59	I 1 02:13	II 8 12:47	II 20 22:52
4 09:17	II 14 14:42	II 26 14:55	I 3 10:59	II 14 00:45	III 25 14:03	I 5 03:50	III 14 09:33	III 23 22:47	II 3 05:04	II 10 14:28	II 22 23:45
6 20:51	II 17 00:19	II 29 02:38	I 5 19:04	II 16 09:08	III 27 22:38	I 7 12:54	III 16 16:25	III 26 05:52	II 5 09:48	II 12 17:04	II 24 02:45
9 09:40	II 19 12:01		I 8 05:12	II 18 19:36	III 30 09:36	II 10 00:18	III 19 01:54	III 28 15:48	II 7 17:33	II 14 22:16	II 26 09:26
11 22:22	II 22 00:33	Dec. -487j	II 10 17:01	II 20 03:34	July -485j	II 12 12:59	III 21 13:39	III 30 04:00	II 9 17:33	II 17 07:08	II 28 20:03
14 10:04	II 24 13:01	I 1 15:14	II 13 05:54	II 23 21:04	I 2 22:17	II 15 00:50	III 22 02:08	Feb. -483j	II 12 17:20	II 19 19:12	Sept. -482j
16 19:57	II 27 00:26	II 4 03:55	II 15 18:18	II 26 08:44	II 5 10:48	II 17 09:49	III 23 13:03	II 2 16:27	III 15 05:13	II 22 08:05	II 1 08:49
19 02:59	II 31 14:58	II 6 15:04	II 18 04:02	II 28 16:52	II 7 20:55	III 19 15:08	III 26 20:50	II 5 02:40	III 17 14:16	II 24 19:10	II 3 21:10
21 06:39		II 8 22:52	II 20 09:44	II 30 20:53	II 10 03:18	III 21 17:27	III 28 05:17	II 7 09:26	III 19 20:10	II 27 03:17	II 5 06:21
23 07:20	June -487j	II 11 02:28	II 22 11:39	Jan. -485j	II 12 06:15	III 23 18:15	Aug. -484j	II 9 13:09	III 21 23:54	March -482j	II 8 15:09
25 06:35	II 2 16:52	II 13 02:45	II 24 11:23	I 1 21:49	II 14 07:08	III 25 19:12	I 2 03:26	III 11 15:13	III 24 02:45	II 1 08:49	II 10 21:06
27 06:31	II 4 16:26	II 15 01:39	II 26 11:01	I 3 21:31	II 16 07:37	III 27 21:45	II 4 04:49	III 13 17:09	III 26 05:38	II 3 12:49	II 13 01:39
29 09:17	II 6 15:41	II 17 01:29	II 28 12:26	I 5 21:55	II 18 09:16	III 30 02:43	II 6 06:51	III 15 20:03	III 28 08:58	II 5 16:08	II 15 04:55
Dec. -488j	II 8 16:51	II 19 04:11	II 30 16:54	I 7 23:09	II 20 13:10	Feb. -484j	II 8 10:31	III 18 00:24	III 30 13:04	II 7 19:10	II 17 07:11
2 16:15	II 10 21:36	II 21 10:42	July -486j	I 9 25:15	II 22 19:49	I 1 10:15	III 10 16:11	III 20 06:20	II 9 19:09	II 9 22:12	II 19 09:17
4 03:07	II 13 06:20	II 23 20:39	I 3 00:39	II 12 14:53	II 24 05:58	II 3 20:03	III 12 23:55	III 22 14:03	III 24 23:56	II 12 01:55	II 21 12:37
6 15:59	II 15 17:56	II 26 08:38	I 5 11:02	II 15 01:56	II 26 16:25	II 5 07:37	III 15 09:40	III 26 23:56	II 14 07:25	II 14 22:16	II 23 18:44
9 04:37	II 18 06:34	II 28 21:20	II 7 23:09	II 17 14:30	II 28 05:07	II 8 20:16	III 17 21:17	III 28 11:54	II 16 15:51	II 16 15:51	II 25 03:44
11 15:53	II 20 18:52	II 31 09:48	II 10 12:02	II 20 03:34	II 30 05:07	II 11 08:37	III 20 09:54	III 30 04:00	II 18 08:58	II 19 03:19	II 27 06:46
14 01:27	II 23 06:05	Jan. -486j	II 13 00:32	II 22 15:41	Aug. -485j	II 13 18:52	III 22 21:41	March -483j	III 20 06:20	II 21 16:13	Oct. -482j
16 09:04	II 25 15:30	II 2 21:08	II 15 11:04	II 25 01:09	I 1 17:52	III 15 00:50	III 24 05:39	II 2 00:40	III 22 14:03	II 24 03:47	II 1 05:18
18 14:14	II 27 22:13	II 5 06:01	II 17 18:14	II 27 06:53	II 4 04:56	III 17 09:49	III 26 20:50	II 4 11:47	III 28 15:48	II 26 12:06	II 3 15:39
20 16:47	II 30 01:44	II 7 11:26	II 19 21:38	II 29 09:02	II 6 12:43	III 19 15:08	III 28 05:17	II 6 19:17	III 30 13:04	II 28 17:05	II 5 22:59
22 17:23	July -487j	II 9 13:24	II 21 22:09	II 31 08:52	II 8 16:44	III 21 17:27	III 31 13:02	II 8 22:53	III 31 13:02	II 30 19:54	II 7 03:51
24 17:40	II 2 02:34	II 11 13:09	II 23 23:32	Feb. -485j	II 10 17:42	III 23 18:15	Sept. -484j	II 10 23:54	III 31 13:02	II 31 13:02	II 9 03:51
26 19:38	II 4 02:16	II 13 12:39	II 25 21:47	I 1 21:49	II 12 17:16	III 25 19:12	II 2 03:26	III 13 17:09	III 26 05:38	II 5 16:08	II 15 04:55
29 01:06	II 6 02:52	II 15 13:57	II 28 00:37	I 3 21:31	II 14 17:20	III 27 21:45	II 4 04:49	III 15 20:03	III 28 08:58	II 7 19:10	II 17 07:11
31 10:40	II 8 06:19	II 17 18:41	II 30 07:05	I 5 21:55	II 16 18:36	III 29 09:16	II 6 06:51	III 17 07:08	III 30 13:04	II 9 22:12	II 19 09:17
Jan. -487j	II 10 13:41	II 20 03:19	Aug. -486j	I 7 23:09	II 18 09:16	III 31 05:07	II 8 20:16	III 20 06:20	III 31 13:04	II 12 01:55	II 21 12:37
II 2 23:03	II 13 00:33	II 22 14:56	I 1 17:01	II 10 12:02	II 20 03:34	II 3 20:03	III 22 21:41	III 24 23:56	II 14 07:25	II 16 15:51	II 23 18:44
4 03:07	II 15 13:05	II 25 03:42	II 3 00:39	II 13 00:32	II 22 15:41	II 5 11:02	III 24 05:39	III 26 23:56	II 18 08:58	II 19 03:19	II 25 03:44
6 15:59	II 18 01:18	II 27 15:59	II 5 11:02	II 15 01:56	II 25 01:09	II 7 23:09	III 26 20:50	III 28 11:54	II 20 06:20	II 21 16:13	II 23 18:44
9 04:37	II 20 18:52	II 31 09:48	II 10 12:02	II 20 03:34	II 22 15:41	II 12 14:53	III 28 05:17	III 30 04:00	II 22 14:03	II 24 03:47	II 1 05:18
11 15:53	II 23 06:05	Jan. -486j	II 13 00:32	II 25 01:09	II 4 04:56	II 15 01:56	III 30 05:07	III 31 13:02	II 26 12:06	II 28 17:05	II 5 22:59
14 01:27	II 25 15:30	II 2 21:08	II 15 11:04	II 27 06:53	II 6 12:43	II 3 20:03	III 22 21:41	III 24 23:56	II 18 08:58	II 19 03:19	II 7 03:51
16 09:04	II 27 22:13	II 5 06:01	II 17 18:14	II 29 09:02	II 8 16:44	II 5 11:02	III 24 05:39	III 26 23:56	II 20 06:20	II 21 16:13	II 23 18:44
18 14:14	II 30 01:44	II 7 11:26	II 19 21:38	II 31 08:52	II 10 17:42	II 7 23:09	III 26 20:50	III 28 11:54	II 22 14:03	II 24 03:47	II 1 05:18
20 16:47	July -487j	II 9 13:24	II 21 22:09	II 31 08:52	II 12 17:16	II 9 25:15	III 28 05:17	III 30 13:04	II 26 12:06	II 28 17:05	II 5 22:59
22 17:23	II 2 02:34	II 11 13:09	II 23 23:32	Feb. -485j	II 14 17:20	II 12 14:53	III 30 05:07	III 31 13:02	II 28 17:05	II 30 19:54	II 7 03:51
24 17:40	II										

with clock times in UT/GMT. The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

Jan. -481j	July -481j	Jan. -480j	Aug. -480j	Feb. -479j	Aug. -479j	March -478j	Sept. -478j	March -477j	Oct. -477j	Apr. -476j	Oct. -476j
2 13:03	14 21:29	24 07:51	2 17:02	12 04:50	24 16:02	2 00:10	11 11:35	24 00:53	1 09:04	11 22:51	22 11:50
4 12:10	16 21:11	26 08:40	4 17:49	14 06:39	26 18:43	4 02:52	13 14:36	26 03:55	3 13:13	14 02:39	24 14:37
6 12:24	18 23:03	28 12:09	6 20:20	16 10:02	28 22:35	6 05:17	15 17:18	28 06:33	5 16:09	16 04:50	26 15:26
8 15:38	21 04:17	30 18:45	9 01:11	18 15:20	31 04:02	8 08:11	17 20:17	30 09:24	7 18:17	18 06:06	28 15:47
10 22:48	23 12:54		11 08:21	20 22:40		10 12:10	20 00:16		9 20:29	20 07:51	30 17:38
13 09:21	25 23:54	Feb. -480j	13 17:35	23 08:10	Sept. -479j	12 17:51	22 06:03	Apr. -477j	12 00:04	22 11:47	
15 21:45	28 12:09	2 03:55	16 04:47	25 19:48	2 11:36	15 01:47	24 14:21	1 13:14	14 06:28	24 19:20	Nov. -476j
18 10:29	31 00:50	4 14:54	18 17:31	28 08:43	4 21:39	17 12:11	27 01:19	3 19:05	16 16:26	27 06:30	1 22:52
20 22:39		7 03:09	21 06:27		7 09:51	20 00:24	29 13:50	6 03:48	19 04:57	29 19:25	4 08:14
23 09:23	Aug. -481j	9 15:58	23 17:18	March -479j	9 22:41	22 12:43		8 15:18	21 17:32		6 20:33
25 17:39	2 12:59	12 03:54	26 00:14	2 21:02	12 09:48	24 22:56	Oct. -478j	11 03:58	24 03:42	May -476j	9 09:17
27 22:32	4 23:09	14 12:59	28 03:07	5 06:29	14 17:29	27 05:43	2 01:38	13 15:16	26 10:43	2 07:21	11 20:23
30 00:04	7 05:48	16 17:59	30 03:19	7 11:59	16 21:30	29 09:15	4 10:39	15 23:26	28 15:17	4 16:43	14 05:11
31 23:32	9 08:32	18 19:17		9 14:03	18 22:59	31 10:42	6 16:14	18 04:23	30 18:38	6 23:27	16 12:03
	11 08:22	20 18:34	Sept. -480j	11 14:17	20 23:33		8 19:06	20 07:14		9 04:21	18 17:20
Feb. -481j	13 07:20	22 18:04	1 02:50	13 14:31	23 00:48	Apr. -478j	10 20:46	22 09:24	Nov. -477j	11 08:07	20 21:08
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with clock times in UT/GMT. The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

May -475j	Nov. -475j	May -474j	Dec. -474j	June -473j	Dec. -473j	July -472j	Jan. -471j	July -471j	Feb. -470j	Aug. -470j	Feb. -469j
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♂ 4 00:32	♂ 13 11:30	♂ 25 21:22	♂ 3 07:11	♂ 14 16:45	♂ 25 02:54	♂ 3 11:57	♂ 12 22:23	♂ 25 08:00	♂ 3 20:13	♂ 16 08:11	♂ 23 21:42
♂ 6 01:45	♂ 15 11:21	♂ 27 20:45	♂ 5 07:04	♂ 16 16:21	♂ 27 02:22	♂ 5 11:59	♂ 14 22:39	♂ 27 09:27	♂ 5 22:39	♂ 18 11:04	♂ 28 00:25
♂ 8 01:34	♂ 17 10:46	♂ 29 20:45	♂ 7 06:25	♂ 18 16:14	♂ 29 02:59	♂ 7 12:11	♂ 17 00:00	♂ 29 12:15	♂ 8 02:07	♂ 20 14:28	♂ 20 37:37
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♂ 14 11:48	♂ 24 00:58	June -474j	♂ 13 18:30	♂ 25 08:27	Jan. -472j	♂ 14 03:36	♂ 23 18:29	Aug. -471j	♂ 14 21:50	♂ 27 10:44	♂ 4 08:13
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♂ 24 10:08	Dec. -475j	♂ 10 15:48	♂ 23 18:59	July -473j	♂ 10 00:10	♂ 24 02:51		♂ 10 06:41	♂ 24 19:46	♂ 1 11:24	♂ 14 01:26
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♂ 11 22:47	♂ 21 13:22		♂ 13 04:45	♂ 22 17:58		♂ 11 09:26	♂ 23 00:13		♂ 15 05:38	♂ 24 20:11	♂ 1 09:57
♂ 14 10:36	♂ 24 04:39	Sept. -474j	♂ 15 16:36	♂ 25 04:46	Apr. -472j	♂ 13 21:20	♂ 25 12:01	Nov. -471j	♂ 17 16:43	♂ 27 07:04	♂ 3 22:33
♂ 16 19:37	♂ 26 08:31	♂ 3 02:28	♂ 18 01:28	♂ 27 12:52	♂ 3 08:08	♂ 16 07:28	♂ 27 21:56	♂ 2 14:39	♂ 20 01:37	♂ 29 15:30	♂ 6 10:38
♂ 19 00:55	♂ 28 12:45	♂ 5 12:28	♂ 20 07:16	♂ 29 18:44	♂ 5 18:25	♂ 18 15:34	♂ 30 05:32	♂ 5 02:14	♂ 22 07:47		♂ 8 20:56
♂ 21 03:10		♂ 7 18:56	♂ 22 11:01		♂ 8 02:24	♂ 20 21:34		♂ 7 11:50	♂ 24 11:02	Dec. -470j	♂ 11 04:00
♂ 23 03:58	March -474j	♂ 9 22:37	♂ 24 13:57	Oct. -473j	♂ 10 08:24	♂ 12 12:45	♂ 23 01:30	♂ 9 18:58	♂ 26 11:56	♂ 1 20:37	♂ 13 07:17
♂ 25 05:05	♂ 2 14:34	♂ 12 00:58	♂ 26 16:50	♂ 1 23:10	♂ 12 12:45	♂ 14 15:43	♂ 25 03:43	♂ 11 23:24	♂ 14 01:25	♂ 3 22:22	♂ 15 07:33
♂ 27 07:55	♂ 4 15:43	♂ 14 03:22	♂ 28 20:04	♂ 4 02:41	♂ 16 17:51	♂ 18 20:06	♂ 27 05:06	♂ 16 01:55	♂ 18 02:25	♂ 5 21:55	♂ 17 06:38
♂ 29 13:09	♂ 6 17:47	♂ 16 06:34	♂ 31 00:02	♂ 6 05:32	♂ 8 08:12	♂ 10 11:39	♂ 29 07:02	♂ 8 16:10	♂ 20 04:44	♂ 7 21:13	♂ 19 06:45
♂ 31 20:44	♂ 8 21:38	♂ 18 10:51		♂ 8 08:12	♂ 10 11:39	♂ 12 17:11	♂ 31 10:59	♂ 10 18:20	♂ 22 04:44	♂ 9 22:31	♂ 21 09:53
Sept. -475j	♂ 11 03:27	♂ 20 16:24	Apr. -473j	♂ 12 17:11	♂ 13 02:18	♂ 15 01:51		♂ 12 23:05	♂ 24 20:13	♂ 14 12:58	♂ 16 23:34
♂ 3 06:18	♂ 13 11:06	♂ 22 23:47	♂ 2 05:27	♂ 15 01:51	♂ 17 17:02	♂ 18 01:28	♂ 20 02:15	♂ 15 07:20	♂ 27 08:44	♂ 17 10:14	♂ 19 14:11
♂ 5 17:36	♂ 15 20:41	♂ 25 09:39	♂ 4 13:17	♂ 18 01:28	♂ 20 02:15	♂ 22 13:32	♂ 24 21:43	♂ 17 18:44	♂ 29 21:39	♂ 22 02:11	♂ 24 12:58
♂ 8 06:07	♂ 18 08:14	♂ 30 10:49	♂ 9 12:45	♂ 22 13:32	♂ 25 04:43	♂ 27 05:06	♂ 29 07:02	♂ 20 07:27	♂ 22 19:12	♂ 24 12:58	♂ 26 23:34
♂ 10 18:33	♂ 20 21:03		♂ 12 01:04	♂ 24 21:43	♂ 27 05:06	♂ 31 10:59					

Sept. -469j	March -468j	Sept. -468j	Apr. -467j	Oct. -467j	Apr. -466j	Nov. -466j	May -465j	Nov. -465j	June -464j	Dec. -464j	June -463j
3 03:23	II 14 17:02	III 24 05:21	I 08:35	III 11 21:57	II 23 11:47	II 2 23:59	II 15 11:01	II 24 20:59	II 1 00:57	II 11 12:47	II 22 23:35
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18 13:55	III 30 03:53	II 4 19:24	II 16 08:17	III 26 21:12	III 3 18:29	III 18 01:59	III 30 16:34	III 5 08:53	III 15 22:55	III 26 13:51	II 3 10:56
21 02:20		II 7 05:04	II 18 19:16	III 29 09:27	III 6 01:11	III 20 14:35	III 1 00:09	III 7 19:18	III 18 09:58	III 29 01:13	II 5 18:24
23 14:14	Apr. -468j	II 9 17:29	II 21 08:11	III 31 22:20	III 8 11:38	III 23 03:02	III 3 12:22	III 10 07:35	III 20 22:35	III 31 13:42	II 8 04:02
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28 06:02	III 4 04:09	II 14 16:56	II 26 06:36	Nov. -467j	III 13 12:44	III 28 00:13	III 8 12:27	III 15 09:05	III 25 23:31	Jan. -463j	II 13 03:55
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Oct. -469j	III 10 22:46	III 21 10:45		III 8 03:23	III 20 17:38	Dec. -466j	III 11 19:28	III 22 07:19		II 7 22:15	II 20 09:33
II 2 12:35	III 13 01:38	III 23 14:07	May -467j	III 10 09:21	III 22 22:44	III 2 11:00	III 13 21:33	III 24 08:19	July -464j	II 10 02:54	II 22 12:25
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13 11:58	III 24 01:15	Nov. -468j	III 10 10:45	III 20 21:49	June -466j	III 12 22:25	III 24 11:23	Jan. -464j	III 10 21:06	II 20 10:19	Aug. -463j
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18 10:29	III 29 00:35	III 3 13:44	III 16 03:16	III 25 17:07	III 4 19:06	III 17 21:23	III 29 11:38	II 4 01:26	III 15 15:47	II 25 07:15	II 3 13:55
20 22:56		III 6 01:37	III 18 15:50	III 28 05:55	III 7 07:06	III 20 09:49	III 31 08:50	II 6 13:47	III 18 04:34	II 27 19:56	II 5 09:56
23 09:11	May -468j	III 8 14:32	III 21 04:16	III 30 17:36	III 9 19:38	III 22 20:51	III 1 05:52	II 9 02:51	III 20 17:28	II 30 08:28	II 7 10:14
25 15:48	III 1 12:39	III 11 01:40	III 23 14:20		III 12 06:52	III 25 05:22	III 4 11:01	II 11 15:02	III 23 05:19	II 1 15:02	II 9 10:14
27 18:59	III 3 21:51	III 13 09:24	III 25 21:25	Dec. -467j	III 14 16:02	III 27 12:44	III 6 19:43	II 14 01:27	III 25 15:17	II 3 02:21	II 11 22:49
29 20:10	III 6 03:26	III 15 14:03	III 28 02:14	III 3 02:49	III 16 23:07	III 29 17:25	III 9 01:51	II 16 09:35	III 27 22:34	II 5 13:44	II 13 10:06
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	III 10 07:51	III 19 19:30		III 7 14:49	III 21 07:37		III 13 07:02	II 20 17:54		II 9 11:55	II 17 12:42
Nov. -469j	III 12 09:50	III 21 22:32	June -467j	III 9 18:46	III 23 09:41	Jan. -465j	III 15 07:42	II 22 18:43	Aug. -464j	II 11 22:10	II 19 11:10
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5 03:59	III 16 17:59	III 26 07:10	II 3 11:45	III 14 00:17	III 27 14:03	II 4 23:06	III 19 12:28	II 26 20:13	II 3 03:32	II 16 09:35	II 24 12:34
7 10:43	III 19 00:32	III 28 13:33	II 5 14:58	III 16 03:08	III 29 19:01	II 7 02:02	III 21 19:26	II 28 21:39	II 5 03:28	II 18 15:04	II 26 12:01
9 19:24	III 21 09:01	III 30 22:19	III 7 19:18	III 18 07:37	III 31 01:55	II 9 07:48	III 24 05:58	II 30 08:50	II 7 05:44	II 20 10:19	II 28 12:51
12 05:52	III 23 19:43		III 10 01:55	III 20 14:58	III 12 13:34	II 11 17:04	III 26 22:48	II 31 17:32	II 9 11:55	II 22 19:32	II 30 16:39
14 17:59	III 26 08:13	Dec. -468j	III 12 11:34	III 23 01:33	III 14 16:02	II 13 05:02	III 28 05:52	II 1 15:02	II 11 15:02	II 24 02:07	II 3 13:55
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24 05:50	June -468j	III 10 19:14	III 22 06:10	Jan. -466j	III 23 09:41	II 23 12:56	III 5 07:15	II 24 18:53	II 20 17:54	II 12 04:08	II 11 22:49
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28 05:56	III 4 15:38	III 15 01:43	III 26 12:38	II 3 22:02	III 27 14:03	II 27 02:02	III 9 14:13	II 28 21:39	II 16 09:35	II 16 03:01	II 15 16:22
30 06:29	III 6 16:10	III 17 02:41	III 28 14:35	II 5 00:42	III 29 19:01	II 29 04:36	III 11 16:23	II 30 08:50	II 18 15:04	II 18 04:50	II 17 12:42
	III 8 16:42	III 19 04:21	III 30 17:07	II 7 03:08	III 31 01:55	II 31 12:56	III 13 18:39	II 1 15:02	II 20 17:54	II 22 19:32	II 19 11:10
Dec. -469j	III 10 18:50	III 21 07:41	July -467j	II 9 14:45	III 1 06:05	II 13 05:02	III 15 08:53	II 3 03:32	II 22 19:32	II 5 03:28	II 7 10:14
2 09:42	III 12 23:23	III 23 13:02	II 2 20:50	II 11 23:37	III 3 11:29	II 15 14:54	III 17 21:28	II 5 05:46	II 24 02:07	II 8 14:43	II 9 10:14
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14 13:27	III 25 03:59	Jan. -467j	II 12 10:06	II 21 22:13	III 13 06:05	II 25 22:48	III 27 14:03	II 15 02:07	II 24 02:07	II 18 04:50	II 19 11:10
17 01:34	III 28 05:47	II 2 06:17	II 14 15:45	II 23 05:37	III 15 14:54	II 27 02:02	III 29 19:01	II 17 17:37	II 26 12:01	II 20 10:19	II 22 12:25
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27 16:16	III 12 02:22	II 16 15:28	II 26 12:38	II 1 18:05	III 25 11:22	II 5 00:42	III 9 14:13	II 27 17:37	II 26 12:01	II 30 16:39	II 31 17:32
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31 22:29	III 18 05:47	II 22 06:10	II 30 17:07	II 5 09:40	III 29 19:01	II 9 14:45	III 13 18:39	II 31 17:32	II 30 02:39	II 3 13:55	II 5 09:56
	III 21 07:41	II 25 20:22	III 1 08:50	II 7 14:49	III 31 01:55	II 11 23:37	III 15 08:53	II 1 15:02	II 20 17:54	II 5 03:28	II 7 10:14
Jan. -468j	III 24 11:57	II 28 05:47	II 4 22:06	II 13 03:08	III 3 11:29	II 13 05:02	III 17 21:28	II 3 03:32	II 22 19:32	II 8 14:43	II 9 10:14
III 3 07:03	III 14 21:16	II 31 13:02	II 7 04:42	II 15 14:54	III 5 17:18	II 15 14:54	III 19 12:28	II 5 05:46	II 24 02:07	II 10 14:47	II 11 22:49
5 18:16	III 17 08:40	II 3 12:26	II 10 12:34	II 17 12:26	III 7 02:02	II 17 17:37	III 21 19:26	II 7 05:44	II 26 12:01	II 12 04:08	II 13 10:06
8 06:45	III 20 02:34	II 6 01:51	II 13 12:39	II 19 05:42	III 9 19:38	II 19 04:36	III 23 09:41	II 9 11:55	II 28 21:39	II 14 10:51	II 15 16:22
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15 17:42	III 29 11:32	II 15 12:38	II 22 06:10	II 25 14:07	III 15 14:54	II 25 22:48	III 29 19:01	II 15 02:07	II 24 02:07	II 20 10:19	II 22 12:25
18 00:40	III 31 13:02	II 18 06:17	II 25 22:17	II 27 02:02	III 17 12:26	II 27 02:02	III				



with clock times in UT/GMT. The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

Jan. -462j	July -462j	Jan. -461j	Aug. -461j	Feb. -460j	Aug. -460j	March -459j	Sept. -459j	March -458j	Oct. -458j	Apr. -457j	Oct. -457j
2 10:57	14 21:10	24 09:10	1 10:59	11 00:22	22 13:14	1 19:49	11 09:23	23 23:48	1 04:30	12 19:04	23 08:30
4 12:50	16 23:21	26 12:01	3 16:47	13 06:25	24 19:17	4 03:39	13 16:37	26 06:15	3 13:00	15 02:34	25 14:12
6 13:55	19 01:27	28 14:56	5 21:05	15 10:55	26 23:19	6 09:07	15 21:09	28 09:51	5 18:17	17 06:20	27 15:58
8 15:50	21 04:25	30 18:18	8 00:31	17 14:09	29 01:39	8 12:22	17 23:16	30 11:02	7 20:18	19 06:56	29 15:19
10 19:34	23 08:39		10 03:24	19 16:30	31 03:06	10 13:59	19 23:54		9 20:04	21 06:01	31 14:27
13 01:21	25 14:17	Feb. -461j	12 06:11	21 18:47		12 15:05	22 00:31	Apr. -458j	11 19:28	23 05:48	
15 09:00	27 21:44	1 22:22	14 09:41	23 22:18	Sept. -460j	14 17:06	24 02:51	1 11:00	13 20:40	25 08:21	Nov. -457j
17 18:30	30 07:31	4 03:44	16 15:10	26 04:21	2 05:03	16 21:32	26 08:27	3 11:32	16 01:29	27 14:57	2 15:34
20 05:53		6 11:19	18 23:41	28 13:40	4 08:59	19 05:25	28 17:56	5 14:33	18 10:32	30 01:16	4 20:14
22 18:35	Aug. -462j	8 21:44	21 11:11		6 16:05	21 16:32		7 21:28	20 22:40		7 04:39
25 06:48	1 19:37	11 10:21	23 23:59	March -460j	9 02:30	24 05:13	Oct. -459j	10 08:15	23 11:37	May -457j	9 15:48
27 16:11	4 08:32	13 22:55	26 11:25	2 01:35	11 14:52	26 17:09	1 06:13	12 21:12	25 23:40	2 13:40	12 04:11
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31 23:05	9 03:04	18 14:55	31 00:56	7 00:46	16 12:50	31 09:42	6 06:23	17 20:40	30 18:45	7 14:17	17 04:49
	11 06:37	20 17:56		9 08:33	18 20:06		8 15:20	19 05:18		10 00:46	19 15:07
Feb. -462j	13 07:45	22 19:25	Sept. -461j	11 13:40	21 01:08	Apr. -459j	11 02:22	22 11:52	Nov. -458j	12 09:02	21 22:25
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4 23:10	17 10:09	26 23:40	4 06:18	15 19:32	25 07:31	4 17:59	15 06:23	26 19:13	4 04:59	16 16:28	26 02:36
7 01:29	19 14:01		6 08:46	17 22:09	27 10:15	6 20:42	17 08:42	28 20:34	6 06:24	18 16:31	28 01:53
9 06:45	21 20:09	March -461j	8 12:03	20 01:30	29 13:34	8 23:14	19 10:34	30 21:43	8 06:34	20 16:18	30 01:59
11 14:49	24 04:23	1 04:04	10 16:39	22 06:13		11 02:20	21 13:10		10 07:24	22 17:55	
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21 13:53		10 17:52	20 07:57	31 22:12	6 11:01	20 13:09	31 03:01	7 15:58	19 18:42		6 22:09
24 00:26	Sept. -462j	13 06:43	22 20:06		8 23:04	23 01:21		10 04:28	22 06:42	June -457j	9 10:34
26 07:12	3 03:52	15 17:36	25 05:23	Apr. -460j	11 11:29	25 11:02	Nov. -459j	12 17:08	24 16:37	1 08:48	11 23:10
28 09:55	5 12:36	18 00:49	27 10:58	3 09:33	13 21:57	27 17:24	2 14:29	15 03:46	27 00:27	3 20:29	14 10:45
	7 17:07	20 04:15	29 13:27	5 17:55	16 05:04	29 21:10	4 22:57	17 11:43	29 06:34	6 06:27	16 20:41
March -462j	9 18:15	22 05:09		7 22:50	18 09:06		6 04:36	19 17:30		8 14:28	19 04:23
2 09:49	11 17:52	24 05:17	Oct. -461j	10 01:08	20 11:03	May -459j	9 08:32	21 21:52	Dec. -458j	10 20:16	21 09:24
4 09:01	13 18:00	26 06:23	1 14:20	12 02:17	22 13:15	1 23:39	11 11:47	24 01:13	1 11:05	12 23:45	23 11:50
6 09:38	15 20:19	28 09:42	3 15:14	14 03:49	24 15:42	4 02:06	13 14:56	26 03:51	3 14:01	15 01:21	25 12:34
8 13:17	18 01:41	30 15:51	5 17:34	16 06:55	26 19:51	6 05:16	15 18:13	28 06:17	5 15:50	17 02:12	27 13:09
10 20:31	20 10:02		7 22:11	18 12:14	29 01:44	8 09:29	17 22:04	30 09:39	7 17:39	19 03:59	29 15:22
13 06:42	22 20:47	Apr. -461j	10 05:21	20 19:51	31 09:26	10 15:07	20 03:25		9 21:08	21 08:23	31 20:44
15 18:41	25 09:07	2 00:46	12 14:54	23 05:35		12 22:42	22 11:22	June -458j	12 03:48	23 16:22	
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25 14:59	Oct. -462j	12 01:01	22 14:19		7 19:45	22 20:01		9 01:05	22 00:46	July -457j	8 06:24
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31 19:58	7 05:17	18 15:53	29 00:57	5 08:52	14 19:19	29 07:02	4 13:28	16 00:40	28 16:31	5 20:30	15 09:57
	9 05:11	20 15:36	31 00:26	7 11:06	16 20:28	31 08:11	6 16:09	18 03:56	30 19:32	8 01:41	17 14:55
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14 13:35	25 04:14	1 17:51	11 08:47	22 23:40		11 16:08	22 06:26	July -458j	10 22:45	23 11:42	
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	9 16:02	20 01:53	29 11:02	5 21:43	16 07:01	29 17:22	5 02:50	17 13:22	29 03:45	6 11:02	15 23:40
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11 20:22	21 10:46		8 14:46	19 05:38	29 20:28	8 22:34	18 13:30	31 03:41	7 06:47	21 01:14	29 10:05
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June -462j	11 09:13	22 20:59		9 08:50	18 20:47		7 16:27	20 04:45	March -457j	9 01:51	20 15:56
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8 03:54	18 18:11	30 08:15	4 21:19	16 11:43	26 02:31	5 04:27	14 19:40	27 10:19	6 13:33	16 03:2	

with clock times in UT/GMT. The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

May -456j	Nov. -456j	May -455j	Dec. -455j	June -454j	Dec. -454j	July -453j	Jan. -452j	July -452j	Feb. -451j	Aug. -451j	Feb. -450j
Ω 1 13:20	♂ 11 02:22	♂ 23 14:25	♂ 3 01:56	♂ 14 13:09	♂ 25 00:48	♂ 2 12:43	♂ 11 12:51	♂ 23 01:04	♂ 1 14:50	♂ 14 04:19	♂ 23 19:01
♂ 3 21:19	♂ 13 08:24	♂ 25 19:01	♂ 5 05:37	♂ 16 16:21	♂ 27 03:40	♂ 4 07:14	♂ 13 19:42	♂ 25 07:51	♂ 3 21:52	♂ 16 11:07	♂ 26 00:57
♂ 6 01:07	♂ 15 10:40	♂ 27 20:43	♂ 7 07:05	♂ 18 17:57	♂ 29 05:39	♂ 6 11:58	♂ 16 00:27	♂ 27 13:01	♂ 6 03:05	♂ 18 15:22	♂ 28 04:05
♂ 8 01:43	♂ 17 10:45	♂ 29 21:09	♂ 9 07:57	♂ 20 19:26	♂ 31 08:02	♂ 8 15:04	♂ 18 04:08	♂ 29 16:52	♂ 8 06:25	♂ 20 17:18	
♂ 10 01:02	♂ 19 10:39	♂ 31 21:59	♂ 11 09:43	♂ 22 22:05		♂ 10 17:44	♂ 20 07:22	♂ 31 19:34	♂ 10 08:16	♂ 22 17:58	March -450j
♂ 12 01:11	♂ 21 12:10		♂ 13 13:28	♂ 25 02:36	Jan. -453j	♂ 12 20:42	♂ 22 10:24		♂ 12 09:38	♂ 24 19:02	♂ 2 05:06
♂ 14 03:53	♂ 23 16:25	June -455j	♂ 15 19:39	♂ 27 09:14	♂ 2 11:38	♂ 15 00:21	♂ 24 13:37	Aug. -452j	♂ 14 12:09	♂ 26 22:16	♂ 4 05:24
♂ 16 09:54	♂ 25 23:40	♂ 3 00:35	♂ 18 04:13	♂ 29 17:59	♂ 4 16:42	♂ 17 05:04	♂ 26 17:56	♂ 2 21:37	♂ 16 17:24	♂ 29 04:58	♂ 6 06:43
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♂ 21 06:26	♂ 30 21:16	♂ 7 13:37	♂ 23 03:02	July -454j	♂ 9 08:02	♂ 21 20:39	♂ 31 16:20	♂ 7 04:41	♂ 21 14:07		♂ 10 18:21
♂ 23 19:03		♂ 9 23:57	♂ 25 15:46	♂ 2 04:47	♂ 11 18:55	♂ 24 08:22		♂ 9 12:32	♂ 24 02:43	Sept. -451j	♂ 13 05:22
♂ 26 07:57	Dec. -456j	♂ 12 12:07	♂ 28 03:19	♂ 4 17:06	♂ 14 07:28	♂ 26 21:14	Feb. -452j	♂ 11 23:44	♂ 26 13:46	♂ 3 03:33	♂ 15 18:04
♂ 28 19:47	♂ 3 10:09	♂ 15 01:07	♂ 30 11:51	♂ 7 05:33	♂ 16 19:45	♂ 29 08:32	♂ 2 22:53	♂ 14 12:31	♂ 28 22:13	♂ 5 15:47	♂ 18 06:18
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	♂ 8 10:03	♂ 19 22:59	Jan. -454j	♂ 11 23:00	♂ 21 10:52		♂ 7 21:46	♂ 19 09:04	March -451j	♂ 10 10:28	♂ 23 00:38
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♂ 4 12:08	♂ 14 22:14	♂ 26 07:22	♂ 5 17:33	♂ 18 02:53	♂ 27 14:25	♂ 4 22:27	♂ 14 10:34	♂ 25 22:15	♂ 7 11:52	♂ 16 23:56	♂ 29 12:48
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with clock times in UT/GMT. The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

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09:11 14 10:13 16 11:47 18 15:03 20 20:32 23 04:06 25 13:36 28 00:54 30 13:29	Oct. -439j 3 01:48 5 11:37 7 17:27 9 19:31 11 19:26 13 19:20 15 21:08 18 01:59 20 09:51 22 19:59 25 07:37 27 20:10 30 08:47 Nov. -439j 1 19:46 4 03:15 6 06:34 8 06:41 10 05:38 12 05:43 14 08:47 16 15:40 19 01:46 21 13:43 24 02:19 26 14:46 29 02:05 Dec. -439j 1 10:51 3 16:01 5 17:40 7 17:11 9 16:38 11 18:08 13 23:13 15 08:12 18 19:58 21 08:40 23 20:53 26 07:44 28 16:36 30 22:51 Jan. -438j 2 02:17 4 03:29 6 03:48 8 04:59 10 08:48 12 16:16 15 03:09 17 15:46 20 03:58 22 14:19 24 22:22 27 04:17 29 08:21 31 11:01 Feb. -438j 2 12:57 4 15:09 6 18:56 9 01:30 11 11:22 13 23:38 16 12:02 18 22:23 21 05:45 23 10:33 25 13:49 27 16:33 March -438j 1 19:29 3 23:03 6 03:48 8 10:31 10 19:53 13 07:44 15 20:24 18 20:48 20 06:12 22 09:36 24 14:21 26 20:59 29 05:59 31 17:20 Apr. -438j 2 10:38 4 18:09 7 03:43 9 15:25 12 04:15	Apr. -438j 14 15:59 17 00:23 19 04:42 21 05:59 23 06:11 25 07:11 27 10:20 29 16:07 May -438j 2 00:16 4 10:24 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12:21 31 13:30 Jan. -437j 2 17:50 5 01:51 7 12:56 10 01:40 12 14:37 15 02:35 17 12:30 19 19:27 21 23:07 24 00:05 25 23:44 27 23:54 30 02:31 Feb. -437j 1 08:57 3 19:18 6 08:01 8 20:58 11 08:31 13 18:05 16 01:25 18 06:26 20 09:09 22 10:10 24 10:46 26 12:42 28 17:46 March -437j 3 02:51 5 15:05 8 04:02 10 15:24 13 00:17 15 06:57 17 11:57 19 15:36 21 18:07 23 20:03 25 22:34 28 03:16 30 11:25 Apr. -437j 1 22:55 4 11:49 6 23:22 9 07:58 11 13:45 13 17:45 15 20:57 17 23:56 20 02:59 22 06:43 24 12:02 26 20:01 29 07:02
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with clock times in UT/GMT. The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

May -437j	Nov. -437j	May -436j	Dec. -436j	June -435j	Dec. -435j	July -434j	Jan. -433j	July -433j	Feb. -432j	Aug. -432j	Feb. -431j
Ω 1 19:50	♂ 11 09:21	♂ 22 22:58	♂ 2 12:23	♂ 14 02:09	♂ 24 16:08	♂ 1 06:51	♂ 10 21:41	♂ 23 11:54	♂ 2 03:06	♂ 13 17:45	♂ 23 09:04
♂ 4 07:50	♂ 13 20:22	♂ 25 09:12	♂ 4 22:10	♂ 16 11:25	♂ 27 00:58	♂ 3 19:09	♂ 13 09:39	♂ 25 23:49	♂ 4 15:09	♂ 16 05:12	♂ 25 19:29
♂ 6 16:51	♂ 16 04:18	♂ 27 16:42	♂ 7 05:20	♂ 18 18:15	♂ 29 07:41	♂ 6 05:44	♂ 15 20:10	♂ 28 10:13	♂ 7 01:02	♂ 18 13:27	♂ 28 02:16
♂ 8 22:23	♂ 18 09:24	♂ 29 21:49	♂ 9 10:24	♂ 20 23:06	♂ 31 12:35	♂ 8 14:19	♂ 18 04:46	♂ 30 17:57	♂ 9 07:26	♂ 20 17:44	
♂ 11 01:24	♂ 20 12:44		♂ 11 14:03	♂ 23 02:29		♂ 10 20:47	♂ 20 10:47		♂ 11 10:06	♂ 22 18:44	March -431j
♂ 13 03:19	♂ 22 15:22	June -436j	♂ 13 16:55	♂ 25 04:54	Jan. -434j	♂ 13 00:55	♂ 22 13:50	Aug. -433j	♂ 13 10:06	♂ 24 18:08	♂ 2 05:17
♂ 15 05:25	♂ 24 18:06	♂ 1 01:18	♂ 15 19:34	♂ 27 07:01	♂ 2 15:46	♂ 15 02:51	♂ 24 14:29	♂ 1 22:13	♂ 15 09:20	♂ 26 17:57	♂ 4 05:37
♂ 17 08:27	♂ 26 21:30	♂ 3 04:00	♂ 17 22:44	♂ 29 09:50	♂ 4 17:37	♂ 17 03:28	♂ 26 14:16	♂ 3 23:20	♂ 17 09:54	♂ 28 20:01	♂ 6 05:01
♂ 19 12:55	♂ 29 02:06	♂ 5 06:37	♂ 20 03:19		♂ 6 19:01	♂ 19 04:23	♂ 28 15:17	♂ 5 22:48	♂ 19 13:33	♂ 31 01:29	♂ 8 05:25
♂ 21 19:11		♂ 7 09:51	♂ 22 10:21	July -435j	♂ 8 21:29	♂ 21 07:30	♂ 30 19:30	♂ 7 22:42	♂ 21 21:05		♂ 10 08:29
♂ 24 03:43	Dec. -437j	♂ 9 14:30	♂ 24 20:22	♂ 1 14:38	♂ 11 02:41	♂ 23 14:21		♂ 10 01:07	♂ 24 07:54	Sept. -432j	♂ 12 15:08
♂ 26 14:43	♂ 1 08:34	♂ 11 21:22	♂ 27 08:36	♂ 3 22:31	♂ 13 11:40	♂ 26 01:04	Feb. -433j	♂ 12 07:23	♂ 26 20:29	♂ 2 10:30	♂ 15 01:12
♂ 29 03:27	♂ 3 17:30	♂ 14 06:56	♂ 29 20:59	♂ 6 09:36	♂ 15 23:49	♂ 28 13:51	♂ 2 03:53	♂ 14 17:24	♂ 29 09:11	♂ 4 22:08	♂ 17 13:30
♂ 31 15:57	♂ 6 04:55	♂ 16 18:46		♂ 8 22:20	♂ 18 12:44	♂ 31 02:09	♂ 4 15:37	♂ 17 05:39		♂ 7 10:57	♂ 20 02:34
	♂ 8 17:38	♂ 19 07:11	Jan. -435j	♂ 11 10:07	♂ 20 23:50		♂ 7 04:27	♂ 19 18:11	March -432j	♂ 9 23:40	♂ 22 15:05
June -437j	♂ 11 05:22	♂ 21 17:58	♂ 1 07:04	♂ 13 19:07	♂ 23 08:01	Aug. -434j	♂ 9 16:17	♂ 22 05:45	♂ 2 20:53	♂ 12 11:07	♂ 25 01:54
♂ 3 01:55	♂ 13 14:07	♂ 24 01:37	♂ 3 13:50	♂ 16 01:05	♂ 25 13:44	♂ 2 12:19	♂ 12 02:14	♂ 24 15:45	♂ 5 06:42	♂ 14 20:11	♂ 27 09:57
♂ 5 08:08	♂ 15 19:17	♂ 26 06:03	♂ 5 17:43	♂ 18 04:56	♂ 27 17:57	♂ 4 20:09	♂ 14 10:15	♂ 26 23:42	♂ 7 13:56	♂ 17 02:05	♂ 29 14:40
♂ 7 10:59	♂ 17 21:38	♂ 28 08:19	♂ 7 20:03	♂ 20 07:51	♂ 29 21:25	♂ 7 02:10	♂ 16 16:22	♂ 29 05:07	♂ 9 18:11	♂ 19 04:48	♂ 31 16:18
♂ 9 11:52	♂ 19 22:42	♂ 30 09:51	♂ 9 22:16	♂ 22 10:42		♂ 9 06:41	♂ 18 20:31	♂ 31 07:54	♂ 11 19:51	♂ 21 05:14	
♂ 11 12:29	♂ 22 00:02		♂ 12 01:18	♂ 24 13:56	Feb. -434j	♂ 11 09:50	♂ 20 22:48		♂ 13 20:08	♂ 23 04:59	Apr. -431j
♂ 13 14:18	♂ 24 02:53	July -436j	♂ 14 05:37	♂ 26 17:56	♂ 1 00:27	♂ 13 11:56	♂ 23 00:02	Sept. -433j	♂ 15 20:42	♂ 25 05:54	♂ 2 16:05
♂ 15 18:19	♂ 26 07:57	♂ 2 11:59	♂ 16 11:23	♂ 28 23:21	♂ 3 03:21	♂ 15 13:53	♂ 25 01:41	♂ 2 08:49	♂ 17 23:19	♂ 27 09:43	♂ 4 15:45
♂ 18 00:59	♂ 28 15:23	♂ 4 15:38	♂ 18 18:56	♂ 31 07:06	♂ 5 06:51	♂ 17 17:11	♂ 27 05:29	♂ 4 09:20	♂ 20 05:19	♂ 29 17:25	♂ 6 17:17
♂ 20 10:11	♂ 31 01:01	♂ 6 21:14	♂ 21 04:44		♂ 7 12:11	♂ 19 23:24		♂ 6 11:19	♂ 22 15:01		♂ 8 22:20
♂ 22 21:33		♂ 9 04:54	♂ 23 16:41	Aug. -435j	♂ 9 20:32	♂ 22 09:14	March -433j	♂ 8 16:21	♂ 25 03:16	Oct. -432j	♂ 11 07:26
♂ 25 10:18	Jan. -436j	♂ 11 14:41	♂ 26 05:23	♂ 2 17:43	♂ 12 08:00	♂ 24 21:39	♂ 1 12:44	♂ 11 01:08	♂ 27 15:58	♂ 2 04:35	♂ 13 19:35
♂ 27 23:06	♂ 2 12:30	♂ 14 02:23	♂ 28 16:22	♂ 5 06:22	♂ 14 20:56	♂ 27 10:07	♂ 3 23:28	♂ 13 12:49	♂ 30 03:20	♂ 4 17:28	♂ 16 08:42
♂ 30 10:03	♂ 5 01:08	♂ 16 15:00	♂ 30 23:44	♂ 7 18:41	♂ 17 08:28	♂ 29 20:21	♂ 6 12:01	♂ 16 01:23		♂ 7 06:01	♂ 18 20:59
	♂ 7 13:26	♂ 19 02:37		♂ 10 04:08	♂ 19 16:45		♂ 8 23:59	♂ 18 12:49	Apr. -432j	♂ 9 16:56	♂ 21 07:30
July -437j	♂ 9 23:28	♂ 21 11:12	Feb. -435j	♂ 12 09:51	♂ 21 21:46	Sept. -434j	♂ 11 09:43	♂ 20 22:10	♂ 1 12:31	♂ 12 01:43	♂ 23 15:50
♂ 2 17:37	♂ 12 05:50	♂ 23 15:57	♂ 2 03:18	♂ 14 12:41	♂ 24 00:45	♂ 1 03:38	♂ 13 16:55	♂ 23 05:20	♂ 3 19:22	♂ 14 08:13	♂ 25 21:43
♂ 4 21:23	♂ 14 08:30	♂ 25 17:33	♂ 4 04:27	♂ 16 14:17	♂ 26 03:06	♂ 3 08:35	♂ 15 22:06	♂ 25 10:33	♂ 6 00:07	♂ 16 12:26	♂ 28 01:00
♂ 6 22:14	♂ 16 08:45	♂ 27 17:43	♂ 6 05:05	♂ 18 16:12	♂ 28 05:48	♂ 5 12:13	♂ 18 01:53	♂ 27 14:08	♂ 8 03:06	♂ 18 14:39	♂ 30 02:10
♂ 8 21:50	♂ 18 08:27	♂ 29 18:23	♂ 8 06:56	♂ 20 19:23		♂ 7 15:16	♂ 20 04:46	♂ 29 16:33	♂ 10 04:56	♂ 20 15:38	
♂ 10 22:04	♂ 20 09:33	♂ 31 21:09	♂ 10 11:01	♂ 23 00:09	March -434j	♂ 9 18:11	♂ 22 07:17		♂ 12 06:36	♂ 22 16:45	May -431j
♂ 13 00:38	♂ 22 13:34		♂ 12 17:26	♂ 25 06:32	♂ 2 09:20	♂ 11 21:26	♂ 24 10:15	Oct. -433j	♂ 14 09:23	♂ 24 19:42	♂ 2 02:22
♂ 15 06:34	♂ 24 20:59	Aug. -436j	♂ 15 01:51	♂ 27 14:50	♂ 4 13:58	♂ 14 01:48	♂ 26 14:46	♂ 1 18:33	♂ 16 14:38	♂ 27 01:59	♂ 4 03:25
♂ 17 15:53	♂ 27 07:11	♂ 3 02:45	♂ 17 12:05	♂ 30 01:26	♂ 6 20:14	♂ 16 08:19	♂ 28 21:50	♂ 3 21:18	♂ 18 23:15	♂ 29 12:07	♂ 6 07:12
♂ 20 03:38	♂ 29 19:05	♂ 5 11:03	♂ 19 23:59		♂ 9 04:50	♂ 18 17:45	♂ 31 07:53	♂ 6 02:07	♂ 21 10:52	♂ 8 14:58	
♂ 22 16:30		♂ 7 21:24	♂ 22 12:50	Sept. -435j	♂ 11 16:03	♂ 21 05:46		♂ 8 09:59	♂ 23 23:34	Nov. -432j	♂ 11 02:24
♂ 25 05:16	Feb. -436j	♂ 10 09:14	♂ 25 00:42	♂ 1 14:01	♂ 14 04:53	♂ 23 18:30	Apr. -433j	♂ 10 20:55	♂ 26 10:58	♂ 1 00:47	♂ 13 15:25
♂ 27 06:43	♂ 1 07:43	♂ 12 21:55	♂ 27 09:21	♂ 4 02:52	♂ 16 17:02	♂ 26 05:23	♂ 2 20:04	♂ 13 09:25	♂ 28 19:38	♂ 3 13:25	♂ 16 03:34
♂ 30 01:34	♂ 3 20:08	♂ 15 10:11		♂ 6 13:24	♂ 19 02:09	♂ 28 12:56	♂ 5 08:17	♂ 15 21:10		♂ 5 23:58	♂ 18 13:34
	♂ 6 07:04	♂ 17 20:07	March -435j	♂ 8 19:54	♂ 21 07:28	♂ 23 09:48	♂ 7 18:23	♂ 18 06:22	May -432j	♂ 8 07:53	♂ 20 21:20
Aug. -437j	♂ 8 15:01	♂ 20 02:09	♂ 1 13:49	♂ 10 22:37	♂ 12 23:09	♂ 14 23:30	♂ 10 21:23	♂ 20 12:39	♂ 1 01:34	♂ 10 13:40	♂ 23 03:13
♂ 1 06:58	♂ 10 19:09	♂ 22 04:16	♂ 3 14:51	♂ 12 23:09	♂ 14 23:30	♂ 17 01:19	♂ 12 05:37	♂ 22 16:40	♂ 3 05:35	♂ 12 18:01	♂ 25 07:25
♂ 3 08:58	♂ 12 19:58	♂ 24 03:54	♂ 5 14:24	♂ 16 17:12	♂ 19 05:32	♂ 21 12:17	♂ 14 08:09	♂ 24 19:32	♂ 5 08:37	♂ 14 21:22	♂ 27 10:01
♂ 5 08:44	♂ 14 19:07	♂ 26 03:10	♂ 7 14:36	♂ 18 16:12	♂ 20 19:23		♂ 16 10:13	♂ 26 22:12	♂ 7 11:23	♂ 16 23:59	♂ 29 11:35
♂ 7 08:04	♂ 16 18:44	♂ 28 04:14	♂ 9 17:10	♂ 21 12:17	♂ 23 21:18	Apr. -434j	♂ 6 23:34	♂ 18 12:49	♂ 9 14:22	♂ 19 02:26	♂ 31 13:17
♂ 9 09:03	♂ 18 20:57	♂ 30 08:37	♂ 11 22:54	♂ 25 06:32	♂ 27 14:50	♂ 30 01:26	♂ 9 03:09	♂ 20 16:40	♂ 11 18:11	♂ 23 11:31	June -431j
♂ 11 13:25	♂ 21 03:04		♂ 14 07:33	♂ 29 01:26	♂ 3 02:34	♂ 6 11:52	♂ 11 08:30	♂ 22 22:15	♂ 13 23:42	♂ 25 20:41	♂ 2 16:47
♂ 13 21:53	♂ 23 12:56	Sept. -436j	♂ 16 18:18	♂ 28 20:55	♂ 5 11:52	♂ 13 15:57	♂ 16 10:14	♂ 25 05:57	♂ 16 07:52	♂ 28 08:50	♂ 4 23:37
♂ 15 06:34	♂ 26 01:05	♂ 1 16:36	♂ 19 06:26		♂ 7 23:17	♂ 10 12:06	♂ 18 13:32	♂ 30 03:54	♂ 21 07:35	♂ 30 21:42	
♂ 18 22:33	♂ 28 13:49	♂ 4 03:16	♂ 21 19:16	Oct. -435j	♂ 10 12:06	♂ 13 00:40	♂ 21 02:23		♂ 23 19:24	Dec. -432j	♂ 9 22:53
♂ 21 11:09	♂ 30 22:24	♂ 6 15:23	♂ 23 07:31	♂ 1 09:59	♂ 15 10:53	♂ 18 17:21	♂ 25 22:55	May -433j	♂ 26 04:11	♂ 3 08:30	♂ 12 11:07
♂ 23 22:24	♂ 2 02:03	♂ 9 04:03	♂ 26 17:22	♂ 3 21:34	♂ 21 07:28	♂ 24 03:49	♂ 28 03:49	♂ 5 03:16	♂ 12 06:00	♂ 5 15:59	♂ 14 20:55
♂ 26 07:43	♂ 4 13:05	♂ 14 03:16	♂ 28 23:22	♂ 6 05:35	♂ 12 23:09	♂ 15 10:53	♂ 30 05:38	♂ 7 10:54	♂ 14 15:54	♂ 7 20:40	♂ 17 03:57
♂ 28 14:28	♂ 6 21:59	♂ 16 10:56	♂ 31 01:31	♂ 8 09:28	♂ 14 23:30	♂ 17 01:19	♂ 16 17:02	♂ 10 04:59	♂ 16 22:09	♂ 9 23:50	♂ 19 08:57
♂ 30 18:14	♂ 9 03:46	♂ 18 14:39		♂ 10 10:09	♂ 19 05:32	♂ 21 12:17	♂ 22 04:07	♂ 19 10:12	♂ 19 01:12	♂ 12 02:42	♂ 23 15:53
	♂ 11 06:11	♂ 20 15:05	Apr. -435j	♂ 12 09:33	♂ 23 21:41	♂ 25 21:41	Nov. -434j	♂ 11 16:32	♂ 21 02:33	♂ 14 05:52	♂ 2 16:47
Sept. -437j	♂ 13 06:09	♂ 22 14:03	♂ 4 00:31	♂ 14 09:39	♂ 16 17:12	♂ 19 20:11	♂ 1 05:55	♂ 13 17:10	♂ 23 03:56	♂ 16 23:59	♂ 4 18:25
♂ 3 19:03	♂ 15 05:30	♂ 24 13:50	♂ 6 01:30	♂ 18 17:58	♂ 21 02:59	♂ 23 14:25	♂ 3 06:27	♂ 15 18:35	♂ 25 06:42	♂ 19 08:57	♂ 6 07:49
♂ 5 19:20	♂ 17 06:29	♂ 26 16:27	♂ 8 05:38	♂ 25 06:32	♂ 27 14:50	♂ 30 01:26	♂ 5 08:49	♂ 17 22:04	♂ 27 11:26	♂ 21 12:46	♂ 23 15:53
♂ 7 22:16	♂ 19 10:57	♂ 28 23:01	♂ 10 13:24	♂ 12 09:33	♂ 15 10:53	♂ 18 17:21	♂ 7 13:58	♂ 20 04:07	♂ 29 01:21	♂ 23 11:31	♂ 25 07:25
♂ 10 05:16	♂ 21 19:35		♂ 13 00:06	♂ 16 18:18	♂ 21 07:28	♂ 24 03:49	♂ 9 22:01	♂ 22 12:36	♂ 31 05:28	♂ 25 20:41	♂ 27 10:01
♂ 12 16:11	♂ 24 07:19	Oct. -436j	♂ 1								

with clock times in UT/GMT. The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

Sept. -431j	March -430j	Sept. -430j	Apr. -429j	Oct. -429j	Apr. -428j	Nov. -428j	May -427j	Nov. -427j	June -426j	Dec. -426j	June -425j
2 10:42	II 15 01:28	III 24 14:44	II 1 04:18	III 11 17:43	II 22 08:21	III 1 21:53	II 14 11:47	III 24 01:21	II 3 03:34	III 13 18:17	II 25 08:53
4 22:31	III 17 12:30	III 27 00:39	III 3 17:02	III 14 06:33	III 24 20:34	III 4 09:11	III 16 22:29	III 26 11:47	III 5 15:37	III 16 06:02	III 27 20:09
7 07:23	III 19 20:15	III 29 06:45	III 6 04:53	III 16 17:16	III 27 06:02	III 6 17:44	III 19 06:48	III 28 20:01	III 8 01:45	III 18 15:48	III 30 05:27
9 12:25	III 22 00:10		III 8 13:35	III 19 00:21	III 29 12:17	III 8 23:46	III 21 12:56		III 10 09:35	III 20 23:20	
11 14:08	III 24 01:09	Oct. -430j	III 10 18:25	III 21 04:15		III 11 04:08	III 23 17:19	Dec. -427j	III 12 15:07	III 23 04:32	July -425j
13 14:01	III 26 00:56	III 1 09:21	III 12 20:23	III 23 06:26	May -428j	III 13 07:35	III 25 20:25	III 1 02:08	III 14 18:36	III 25 07:25	III 2 12:18
15 13:56	III 28 01:29	III 3 09:56	III 14 21:16	III 25 08:28	III 1 16:10	III 15 10:33	III 27 22:47	III 3 06:23	III 16 20:33	III 27 08:34	III 4 16:22
17 15:43	III 30 04:28	III 5 10:30	III 16 22:50	III 27 11:23	III 3 18:57	III 17 13:27	III 30 01:12	III 5 09:10	III 18 21:52	III 29 09:10	III 6 17:51
19 20:37		III 7 12:42	III 19 02:09	III 29 15:32	III 5 21:36	III 19 17:02		III 7 11:06	III 20 23:51	III 31 10:57	III 8 17:54
22 04:54	Apr. -430j	III 9 17:28	III 21 07:35	III 31 21:02	III 8 00:40	III 21 22:23	June -427j	III 9 13:13	III 23 03:59		III 10 18:16
24 15:51	III 1 10:41	III 12 00:47	III 23 14:59		III 10 04:33	III 24 06:29	III 1 04:48	III 11 16:51	III 25 11:26	Jan. -425j	III 12 20:58
27 04:17	III 3 19:51	III 14 10:10	III 26 00:20	Nov. -429j	III 12 09:51	III 26 17:31	III 3 10:46	III 13 23:13	III 27 22:16	III 2 15:41	III 15 03:32
29 17:07	III 6 07:05	III 16 21:13	III 28 11:38	III 3 04:15	III 14 17:24	III 29 06:11	III 5 19:46	III 16 08:55	III 30 10:57	III 5 00:24	III 17 14:03
	III 8 19:27	III 19 09:35		III 5 13:45	III 17 03:44		III 8 07:22	III 18 21:05		III 7 12:27	III 20 02:49
	III 11 08:07	III 21 22:18	May -429j	III 8 01:39	III 19 16:14	Dec. -428j	III 10 19:49	III 21 09:31	July -426j	III 10 01:29	III 22 15:23
	III 13 19:49	III 24 09:24	III 1 00:24	III 10 14:42	III 22 04:49	Dec. -428j	III 1 18:03	III 23 20:01	III 2 23:02	III 12 13:05	III 25 02:14
	III 4 15:15	III 16 04:55	III 3 12:53	III 13 02:21	III 24 15:01	III 4 03:03	III 6 08:44	III 15 14:59	III 5 08:45	III 14 22:08	III 27 10:59
	III 6 22:00	III 18 10:15	III 5 22:42	III 15 10:23	III 26 21:34	III 6 08:44	III 8 11:55	III 17 20:17	III 7 15:44	III 17 04:54	III 29 17:51
	III 9 01:04	III 20 11:55	III 8 04:24	III 17 14:26	III 29 00:57	III 8 11:55	III 10 13:55	III 19 23:33	III 9 20:36	III 19 09:58	III 31 22:48
	III 11 01:18	III 22 11:20	III 10 06:25	III 19 15:44	III 31 02:32	III 10 13:55	III 12 15:58	III 22 01:53	III 12 00:09	III 21 13:46	
	III 13 00:26	III 24 10:38	III 12 06:24	III 21 16:12	June -428j	III 14 19:00	III 14 19:00	III 26 07:36	III 14 03:02	III 23 16:30	Aug. -425j
	III 15 00:35	III 26 11:56	III 1 19:45	III 23 17:34	III 2 03:51	III 16 23:35	III 16 23:35	III 28 12:20	III 16 05:43	III 25 18:36	III 3 01:48
	III 17 03:44	III 28 16:48	III 3 20:10	III 25 20:56	III 4 06:07	III 19 06:04	III 19 06:04	III 30 18:59	III 18 08:48	III 27 21:07	III 5 03:17
	III 19 10:57		III 5 23:29	III 28 02:42	III 6 10:05	III 21 14:43	III 21 14:43	III 31 18:59	III 20 13:16	III 30 01:33	III 7 04:23
	III 21 21:45	May -430j	III 8 06:18	III 30 10:44	III 8 16:07	III 24 01:38	III 24 01:38	III 31 18:59	III 22 20:15	III 31 06:52	
	III 24 10:25	III 1 01:28	III 10 16:01	Dec. -429j	III 11 00:26	III 26 14:07	III 26 14:07	III 31 18:59	III 25 06:24	III 11 12:26	
	III 26 23:11	III 3 12:52	III 13 03:32	III 2 20:51	III 13 11:04	III 29 02:30	III 29 02:30	III 31 18:59	III 27 18:54	III 13 21:54	
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Nov. -431j	III 13 11:44	III 23 01:26	June -429j	III 10 10:14	III 12 19:43	Jan. -427j	III 2 19:07	III 15 05:32	Aug. -426j	III 8 21:16	
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III 9 11:51	III 21 21:11		III 10 16:15	III 21 02:27	III 21 02:27	III 11 00:54	III 11 00:54	III 23 12:59	III 8 05:54	III 17 19:07	
III 11 11:30	III 23 21:25	Dec. -430j	III 12 16:38	III 23 03:59	III 25 08:30	III 13 04:59	III 13 04:59	III 25 18:13	III 10 08:29	III 19 09:58	
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III 23 05:44	June -430j	III 10 09:32	III 22 00:01	III 23 03:59	Jan. -428j	III 25 08:30	III 25 08:30	III 31 11:18	III 20 07:36	III 29 17:51	
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Dec. -431j	III 12 00:51	III 22 14:20	July -429j	III 1 21:09	III 11 10:10	Feb. -427j	III 2 19:07	III 15 05:32	III 1 17:11	III 11 06:08	
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III 23 00:39	July -430j	III 7 21:58	III 22 00:01	III 5 13:01	III 12 16:38	III 22 00:01	III 22 00:01	III 31 11:18	III 23 12:59	III 5 03:17	
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	III 9 06:15	III 17 22:10		III 22 14:20	III 20 07:44				III 31 11:18	III 13 21:54	
Jan. -430j	III 11 11:21	III 20 07:50	III 22 10:13	III 24 16:12	III 26 18:11	III 24 16:12	III 24 16:12	III 31 11:18	III 31 11:18	III 16 10:12	
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III 7 09:42	III 19 20:09	III 28 17:49				III 31 11:18	III 31 11:18	III 31 11:18	III 31 11:18	III 24 10:38	
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III 24 00:40	Aug. -430j	III 31 14:23	III 14 19:45	III 27 16:20	III 4 04:15	III 31 11:18	III 31 11:18	III 31 11:18	III 31 11:18	III 31 11:18	
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III 28 07:40	III 5 12:29										

with clock times in UT/GMT. The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

Jan. -424j 2 11:17 4 23:38 7 10:47 9 19:54 12 02:02 14 04:47 16 04:56 18 04:12 20 04:50 22 08:49 24 17:05 27 04:45 29 17:39	July -424j 14 01:40 16 13:56 19 00:47 21 08:45 23 12:56 25 13:47 27 12:58 29 12:39 31 14:56	Jan. -423j 23 16:50 26 05:14 28 15:28 30 21:57	Aug. -423j 2 18:21 5 07:22 7 19:06 10 03:30 12 07:46 14 08:44 16 08:11 18 08:12 20 10:29 22 16:01 25 00:46 27 11:57 30 00:33	Feb. -422j 12 09:47 14 22:36 17 09:13 19 16:04 21 19:04 23 19:30 25 19:12 27 19:59	Aug. -422j 24 23:50 27 11:45 29 20:44 Sept. -422j 1 01:54 3 03:56 5 04:20 7 04:51 9 07:03 11 11:53 13 19:38 15 05:51 17 17:51 19 06:40 21 09:03 23 19:03 26 05:16 28 11:58 30 14:56	March -421j 1 13:56 4 01:52 6 14:28 9 01:36 11 09:31 13 13:47 15 15:20 17 15:47 19 16:55 21 20:04 24 01:56 26 10:24 28 20:56 31 08:57	Sept. -421j 11 02:54 13 15:08 16 03:27 18 13:32 20 20:05 22 23:23 25 00:51 27 02:09 29 04:41	March -420j 22 17:03 25 05:39 27 17:38 30 02:43	Oct. -420j 2 06:11 4 19:03 7 06:06 9 13:52 11 18:41 13 21:51 16 00:37 18 03:43 20 07:25 22 12:01 24 18:12 27 02:54 29 14:23	Apr. -419j 13 20:55 16 09:21 18 19:21 21 02:25 23 07:15 25 10:53 27 13:59 29 16:53	Oct. -419j 24 10:33 26 22:13 29 07:28 31 14:30	Nov. -419j 2 19:52 4 23:57 7 02:54 9 05:09 11 07:42 13 11:59 15 19:19 18 06:01 20 18:40 22 06:41 24 16:04 26 22:16 28 02:35	Dec. -419j 2 05:34 4 08:16 6 11:18 8 15:11 10 20:34 12 03:13 14 15:43 16 02:52 18 18:02 20 15:18 22 03:11 24 05:08 26 11:50 28 13:25 31 14:35	Jan. -418j 2 16:44 4 20:46 7 03:05 9 11:38 11 22:15 14 10:26 16 23:06 18 10:21 20 18:24 22 23:36 24 25:44 26 23:31 29 23:54	Feb. -418j 1 02:37 3 08:33 5 17:35 8 04:46 10 17:07 13 05:46 15 17:33 18 02:58 20 08:44 22 10:48 24 10:25 26 09:36 28 10:32	Mar. -418j 2 14:57 4 23:19 7 10:37 9 13:23 11 14:47 13 11:47 15 12:47 17 09:32 19 16:45 21 21:12 23 20:29 25 20:29 27 20:30 29 23:20	Apr. -418j 1 06:13 3 16:51 5 11:59 7 17:02 9 11:59 11 16:30 13 11:59 15 12:59 17 10:06 19 16:30 21 21:12 23 20:29 25 20:29 27 20:30 29 23:20	May -419j 1 20:03 4 00:20 6 06:55 8 16:37 11 04:52 13 17:33 16 04:01 18 11:04 20 15:09 22 17:34 24 19:37 26 22:16 28 02:01 31 07:17	June -419j 2 14:37 5 00:27 7 12:33 10 01:26 12 12:43 14 20:35 17 00:47 19 02:25 21 03:05 23 04:22 25 07:26 27 12:55 29 20:57	July -419j 2 07:19 4 19:32 7 08:30 9 20:29 12 05:37 14 10:57 16 12:53 18 12:50 20 12:39 22 14:08 24 18:36 26 02:31 29 13:18	Aug. -419j 1 01:47 3 14:44 6 02:58 8 13:08 10 20:03 12 23:22 14 23:50 16 23:03 18 23:06 20 01:54 22 08:40 24 19:10 26 23:35 28 07:48 30 20:43	Sept. -419j 2 08:42 4 19:04 7 03:05 9 08:08 11 10:11 13 10:10 15 09:50 17 11:20 19 16:30 21 01:54 23 13:17 25 01:34 27 19:47	Oct. -419j 2 00:39 4 08:35 6 14:31 8 18:12 10 19:50 12 20:29 14 21:55 16 17:02 18 10:06 20 21:41	Nov. -419j 2 00:39 4 08:35 6 14:31 8 18:12 10 19:50 12 20:29 14 21:55 16 17:02 18 10:06 20 21:41	Dec. -419j 2 00:39 4 08:35 6 14:31 8 18:12 10 19:50 12 20:29 14 21:55 16 17:02 18 10:06 20 21:41
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with clock times in UT/GMT. The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

May -418j	Nov. -418j	May -417j	Dec. -417j	June -416j	Dec. -416j	July -415j	Jan. -414j	July -414j	Feb. -413j	Aug. -413j	Feb. -412j
♈ 1 00:11	♈ 10 13:34	♈ 23 04:04	♈ 2 18:40	♈ 13 09:48	♈ 24 00:57	♈ 3 02:52	♈ 12 17:40	♈ 25 07:41	♈ 1 10:18	♈ 13 23:55	♈ 23 14:38
♈ 3 12:17	♈ 13 02:08	♈ 25 16:51	♈ 5 07:44	♈ 15 22:40	♈ 26 13:34	♈ 5 15:22	♈ 15 06:23	♈ 27 20:42	♈ 3 22:52	♈ 16 12:40	♈ 26 03:13
♈ 6 00:48	♈ 15 14:35	♈ 28 05:16	♈ 7 20:02	♈ 18 10:30	♈ 29 01:12	♈ 8 03:52	♈ 17 19:00	♈ 30 08:36	♈ 6 11:46	♈ 19 00:43	♈ 28 14:28
♈ 8 11:58	♈ 18 01:40	♈ 30 16:11	♈ 10 06:37	♈ 20 20:23	♈ 31 10:39	♈ 10 14:59	♈ 20 05:26	♈ 12 23:06	♈ 8 22:34	♈ 21 09:51	♈ 30 16:11
♈ 10 21:07	♈ 20 10:53	♈ 12 14:48	♈ 12 14:48	♈ 23 03:28	♈ 15 03:14	♈ 12 23:06	♈ 22 11:58	♈ 22 11:58	♈ 11 05:32	♈ 23 15:20	♈ 31 10:39
♈ 13 04:14	♈ 22 17:55	♈ 24 22:35	♈ 14 20:05	♈ 25 07:22	♈ 15 03:14	♈ 15 03:14	♈ 24 14:23	♈ 26 14:06	♈ 1 17:10	♈ 25 17:54	♈ 1 22:39
♈ 15 09:25	♈ 24 22:35	♈ 2 00:54	♈ 16 22:34	♈ 27 08:29	♈ 2 16:45	♈ 17 03:59	♈ 26 14:06	♈ 28 13:15	♈ 3 21:33	♈ 27 19:01	♈ 4 03:26
♈ 17 12:46	♈ 27 01:05	♈ 4 06:58	♈ 18 23:02	♈ 29 08:08	♈ 4 19:13	♈ 19 03:06	♈ 30 14:01	♈ 22 05:09	♈ 5 22:41	♈ 29 20:14	♈ 6 05:45
♈ 19 14:43	♈ 29 02:12	♈ 6 10:25	♈ 20 23:00	♈ 1 08:11	♈ 6 19:01	♈ 21 02:48	♈ 23 05:09	♈ 12 01:26	♈ 7 22:26	♈ 31 22:48	♈ 8 07:02
♈ 21 16:17	♈ 1 11:50	♈ 8 11:50	♈ 22 00:21	♈ 3 10:40	♈ 8 18:03	♈ 23 05:09	♈ 25 11:17	♈ 14 06:58	♈ 9 22:50	♈ 12 12:00	♈ 10 08:46
♈ 23 18:54	♈ 10 12:24	♈ 10 12:24	♈ 25 04:50	♈ 5 17:03	♈ 10 18:33	♈ 25 11:17	♈ 27 20:57	♈ 16 15:19	♈ 12 01:26	♈ 14 17:21	♈ 12 12:00
♈ 26 00:02	♈ 1 03:22	♈ 12 13:42	♈ 27 13:24	♈ 8 03:21	♈ 12 22:30	♈ 27 20:57	♈ 30 08:48	♈ 19 01:56	♈ 26 05:53	♈ 16 12:40	♈ 14 17:21
♈ 28 08:33	♈ 3 06:11	♈ 14 17:20	♈ 30 01:21	♈ 10 16:01	♈ 15 06:41	♈ 30 08:48	♈ 1 11:45	♈ 21 14:09	♈ 28 17:01	♈ 19 10:38	♈ 16 12:40
♈ 30 19:59	♈ 5 12:04	♈ 17 00:29	♈ 1 11:50	♈ 13 04:50	♈ 20 07:05	♈ 1 11:45	♈ 3 23:47	♈ 24 03:09	♈ 19 01:56	♈ 21 09:51	♈ 19 10:38
♈ 7 21:33	♈ 7 21:33	♈ 19 11:08	♈ 19 11:08	♈ 15 16:18	♈ 22 19:35	♈ 3 23:47	♈ 8 23:47	♈ 26 15:31	♈ 21 14:09	♈ 23 15:20	♈ 21 22:14
♈ 10 09:39	♈ 10 09:39	♈ 21 23:46	♈ 14 28:02	♈ 18 01:55	♈ 25 06:52	♈ 4 09:43	♈ 11 23:32	♈ 28 17:01	♈ 24 03:09	♈ 25 17:54	♈ 23 15:20
♈ 12 22:12	♈ 12 22:12	♈ 24 12:08	♈ 4 02:32	♈ 20 09:27	♈ 29 23:46	♈ 6 21:02	♈ 14 01:07	♈ 30 08:36	♈ 26 15:31	♈ 27 19:01	♈ 4 03:26
♈ 14 28:02	♈ 15 09:08	♈ 26 22:35	♈ 6 12:29	♈ 22 14:38	♈ 1 08:11	♈ 9 06:08	♈ 16 12:11	♈ 31 22:48	♈ 28 17:01	♈ 29 20:14	♈ 6 05:45
♈ 16 12:46	♈ 17 17:34	♈ 29 06:36	♈ 8 20:14	♈ 24 17:23	♈ 3 10:40	♈ 11 11:53	♈ 18 20:11	♈ 1 10:18	♈ 30 08:36	♈ 31 22:48	♈ 8 07:02
♈ 18 10:20	♈ 19 23:39	♈ 1 12:24	♈ 11 02:01	♈ 26 18:14	♈ 5 17:03	♈ 13 14:08	♈ 20 02:00	♈ 3 22:52	♈ 1 10:18	♈ 12 12:00	♈ 10 08:46
♈ 20 03:16	♈ 22 03:57	♈ 3 16:27	♈ 13 05:55	♈ 28 18:38	♈ 8 03:21	♈ 15 13:58	♈ 21 00:20	♈ 5 22:41	♈ 3 22:52	♈ 14 17:21	♈ 12 12:00
♈ 22 08:54	♈ 24 07:08	♈ 5 19:11	♈ 15 08:10	♈ 30 20:28	♈ 10 16:01	♈ 17 13:21	♈ 22 01:12	♈ 7 22:26	♈ 5 22:41	♈ 16 12:40	♈ 14 17:21
♈ 24 17:10	♈ 26 09:45	♈ 7 21:11	♈ 17 09:27	♈ 1 08:11	♈ 13 04:50	♈ 19 14:26	♈ 23 01:12	♈ 9 22:50	♈ 7 22:26	♈ 18 10:20	♈ 16 12:40
♈ 26 04:05	♈ 28 12:26	♈ 9 23:22	♈ 19 11:05	♈ 3 10:40	♈ 15 06:41	♈ 21 02:48	♈ 24 03:09	♈ 11 05:32	♈ 9 22:50	♈ 20 03:16	♈ 18 10:20
♈ 28 16:31	♈ 30 16:06	♈ 11 02:01	♈ 21 14:48	♈ 5 17:03	♈ 20 07:05	♈ 23 05:09	♈ 26 15:31	♈ 13 14:08	♈ 11 05:32	♈ 22 08:54	♈ 20 03:16
♈ 1 00:11	♈ 1 03:22	♈ 12 13:42	♈ 23 22:03	♈ 7 20:02	♈ 22 19:35	♈ 25 11:17	♈ 28 17:01	♈ 15 03:14	♈ 13 14:08	♈ 24 17:20	♈ 22 08:54
♈ 3 12:17	♈ 3 06:11	♈ 14 17:20	♈ 26 09:02	♈ 9 11:46	♈ 25 06:52	♈ 17 13:21	♈ 30 08:48	♈ 16 15:19	♈ 15 03:14	♈ 26 04:05	♈ 24 17:20
♈ 5 07:55	♈ 5 12:04	♈ 17 00:29	♈ 1 11:50	♈ 13 04:50	♈ 29 23:46	♈ 19 14:26	♈ 1 11:45	♈ 16 15:19	♈ 16 15:19	♈ 28 08:33	♈ 26 04:05
♈ 7 20:02	♈ 7 21:33	♈ 19 11:08	♈ 3 10:40	♈ 15 16:18	♈ 1 08:11	♈ 21 02:48	♈ 3 23:47	♈ 17 03:59	♈ 17 20:16	♈ 30 19:59	♈ 28 14:28
♈ 9 06:08	♈ 9 23:39	♈ 21 23:46	♈ 5 17:03	♈ 18 01:55	♈ 3 10:40	♈ 23 05:09	♈ 8 23:47	♈ 19 01:56	♈ 19 01:56	♈ 1 10:18	♈ 30 19:59
♈ 11 15:05	♈ 11 02:01	♈ 24 12:08	♈ 9 23:22	♈ 20 09:27	♈ 5 17:03	♈ 25 11:17	♈ 11 23:32	♈ 21 14:09	♈ 21 14:09	♈ 3 22:52	♈ 3 22:52
♈ 13 18:09	♈ 13 05:55	♈ 26 22:35	♈ 15 08:10	♈ 22 14:38	♈ 8 03:21	♈ 27 20:57	♈ 14 01:07	♈ 24 03:09	♈ 24 03:09	♈ 5 22:41	♈ 5 22:41
♈ 15 20:44	♈ 15 08:10	♈ 29 06:36	♈ 17 09:27	♈ 24 17:23	♈ 10 16:01	♈ 29 08:08	♈ 16 12:11	♈ 26 15:31	♈ 26 15:31	♈ 7 22:26	♈ 7 22:26
♈ 17 23:30	♈ 17 09:27	♈ 1 12:24	♈ 19 11:05	♈ 26 18:14	♈ 13 04:50	♈ 31 22:48	♈ 18 20:11	♈ 28 17:01	♈ 28 17:01	♈ 9 22:50	♈ 9 22:50
♈ 19 14:43	♈ 19 11:05	♈ 3 16:27	♈ 21 14:48	♈ 28 18:38	♈ 15 06:41	♈ 1 11:45	♈ 20 02:00	♈ 30 08:36	♈ 30 08:36	♈ 11 05:32	♈ 11 05:32
♈ 21 16:17	♈ 21 14:48	♈ 5 19:11	♈ 23 22:03	♈ 30 20:28	♈ 20 07:05	♈ 3 10:40	♈ 21 00:20	♈ 1 10:18	♈ 1 10:18	♈ 13 14:08	♈ 13 14:08
♈ 23 18:54	♈ 23 22:03	♈ 7 21:11	♈ 26 09:02	♈ 1 08:11	♈ 25 06:52	♈ 19 14:26	♈ 22 01:12	♈ 3 22:52	♈ 3 22:52	♈ 15 03:14	♈ 15 03:14
♈ 26 00:02	♈ 26 09:02	♈ 9 23:22	♈ 1 11:50	♈ 3 10:40	♈ 29 23:46	♈ 21 02:48	♈ 23 01:12	♈ 5 22:41	♈ 5 22:41	♈ 17 03:59	♈ 17 03:59
♈ 28 08:33	♈ 28 12:26	♈ 11 02:01	♈ 3 10:40	♈ 5 17:03	♈ 1 08:11	♈ 23 05:09	♈ 24 03:09	♈ 7 22:26	♈ 7 22:26	♈ 19 01:56	♈ 19 01:56
♈ 30 19:59	♈ 30 16:06	♈ 13 05:55	♈ 5 17:03	♈ 8 03:21	♈ 3 10:40	♈ 25 11:17	♈ 26 15:31	♈ 9 22:50	♈ 9 22:50	♈ 21 09:51	♈ 21 09:51
♈ 1 00:11	♈ 1 03:22	♈ 15 08:10	♈ 7 21:11	♈ 10 16:01	♈ 5 17:03	♈ 27 20:57	♈ 28 17:01	♈ 11 05:32	♈ 11 05:32	♈ 23 15:20	♈ 23 15:20
♈ 3 12:17	♈ 3 06:11	♈ 17 09:27	♈ 9 23:22	♈ 13 04:50	♈ 8 03:21	♈ 29 08:08	♈ 30 08:48	♈ 13 14:08	♈ 13 14:08	♈ 25 17:54	♈ 25 17:54
♈ 5 07:55	♈ 5 12:04	♈ 19 11:05	♈ 11 02:01	♈ 15 16:18	♈ 10 16:01	♈ 31 22:48	♈ 1 11:45	♈ 15 03:14	♈ 15 03:14	♈ 27 19:01	♈ 27 19:01
♈ 7 20:02	♈ 7 21:33	♈ 21 14:48	♈ 13 05:55	♈ 18 01:55	♈ 13 04:50	♈ 1 11:45	♈ 3 23:47	♈ 16 15:19	♈ 16 15:19	♈ 29 20:14	♈ 29 20:14
♈ 9 06:08	♈ 9 23:39	♈ 23 18:54	♈ 15 08:10	♈ 20 09:27	♈ 15 06:41	♈ 3 10:40	♈ 8 23:47	♈ 19 01:56	♈ 19 01:56	♈ 31 22:48	♈ 31 22:48
♈ 11 15:05	♈ 11 02:01	♈ 26 04:05	♈ 17 09:27	♈ 22 14:38	♈ 20 07:05	♈ 5 17:03	♈ 11 23:32	♈ 21 14:09	♈ 21 14:09	♈ 1 10:18	♈ 1 10:18
♈ 13 18:09	♈ 13 05:55	♈ 28 08:33	♈ 19 11:05	♈ 24 17:23	♈ 25 06:52	♈ 7 20:02	♈ 14 01:07	♈ 24 03:09	♈ 24 03:09	♈ 3 22:52	♈ 3 22:52
♈ 15 20:44	♈ 15 08:10	♈ 30 19:59	♈ 21 14:48	♈ 26 18:14	♈ 29 23:46	♈ 9 06:08	♈ 16 12:11	♈ 26 15:31	♈ 26 15:31	♈ 5 22:41	♈ 5 22:41
♈ 17 23:30	♈ 17 09:27	♈ 1 12:24	♈ 23 22:03	♈ 28 18:38	♈ 1 08:11	♈ 11 11:53	♈ 18 20:11	♈ 28 17:01	♈ 28 17:01	♈ 7 22:26	♈ 7 22:26
♈ 19 14:43	♈ 19 11:05	♈ 3 16:27	♈ 26 09:02	♈ 30 20:28	♈ 3 10:40	♈ 13 14:08	♈ 20 02:00	♈ 30 08:36	♈ 30 08:36	♈ 9 22:50	♈ 9 22:50
♈ 21 16:17	♈ 21 14:48	♈ 5 19:11	♈ 1 11:50	♈ 1 08:11	♈ 5 17:03	♈ 15 13:58	♈ 21 00:20	♈ 1 10:18	♈ 1 10:18	♈ 11 05:32	♈ 11 05:32
♈ 23 18:54	♈ 23 22:03	♈ 7 21:11	♈ 3 10:40	♈ 3 10:40	♈ 8 03:21	♈ 17 13:21	♈ 22 01:12	♈ 3 22:52	♈ 3 22:52	♈ 13 14:08	♈ 13 14:08
♈ 26 00:02	♈ 26 09:02	♈ 9 23:22	♈ 5 17:03	♈ 5 17:03	♈ 10 16:01	♈ 19 14:26	♈ 23 01:12	♈ 5 22:41	♈ 5 22:41	♈ 15 03:14	♈ 15 03:14
♈ 28 08:33	♈ 28 12:26	♈ 11 02:01	♈ 7 21:11	♈ 8 03:21	♈ 13 04:50	♈ 21 02:48	♈ 24 03:09	♈ 7 22:26	♈ 7 22:26	♈ 17 03:59	♈ 17 03:59
♈ 30 19:59	♈ 30 16:06	♈ 13 05:55	♈ 9 23:22	♈ 10 16:01	♈ 15 06:41	♈ 23 05:09	♈ 26 15:31	♈ 9 22:50	♈ 9 22:50	♈ 19 01:56	♈ 19 01:56
♈ 1 00:11	♈ 1 03:22	♈ 15 08:10	♈ 11 02:01	♈ 13 04:50	♈ 20 07:05	♈ 25 11:17	♈ 28 17:01	♈ 11 05:32	♈ 11 05:32	♈ 21 09:51	♈ 21 09:51
♈ 3 12:17	♈ 3 06:11	♈ 17 09:27	♈ 13 05:55	♈ 15 16:18	♈ 25 06:52	♈ 27 20:57	♈ 30 08:48	♈ 13 14:08	♈ 13 14:08	♈ 23 15:20	♈ 23 15:20
♈ 5 07:55	♈ 5 12:04	♈ 19 11:05	♈ 15 08:10	♈ 18 01:55	♈ 29 23:46	♈ 29 08:08	♈ 1 11:45	♈ 15 03:14	♈ 15 03:14	♈ 25 17:54	♈ 25 17:54
♈ 7 20:02	♈ 7 21:33	♈ 21 14:48	♈ 17 09:27	♈ 20 09:27	♈ 1 08:11	♈ 31 22:48	♈ 3 23:47	♈ 16 15:19	♈ 16 15:19	♈ 27 19:01	♈ 27 19:01
♈ 9 06:08	♈ 9 23:39	♈ 23 18:54	♈ 19 11:05	♈ 22 14:38	♈ 3 10:40	♈ 1 11:45	♈ 8 23:47	♈ 19 01:56	♈ 19 01:56	♈ 29 20:14	♈ 29 20:14
♈ 11 15:05	♈ 11 02:01	♈ 26 04:05	♈ 21 14:48	♈ 24 17:23	♈ 5 17:03	♈ 3 10:40	♈ 11 23:32	♈ 21 14:09	♈ 21 14:09	♈ 31 22:48	♈ 31 22:48
♈ 13 18:09	♈ 13 05:55	♈ 28 08:33	♈ 23 22:03	♈ 26 18:14	♈ 8 03:21	♈ 5 17:03	♈ 14 01:07	♈ 24 03:09	♈ 24 03:09	♈ 1 10:18	♈ 1 10:18
♈ 15 20:44	♈ 15 08:10	♈ 30 19:59	♈ 26 09:02	♈ 28 18:38	♈ 10 16:01	♈ 7 20:02	♈ 16 12:11	♈ 26 15:31			



with clock times in UT/GMT. The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

Sept. -412j	March -411j	Sept. -411j	Apr. -410j	Oct. -410j	Apr. -409j	Nov. -409j	May -408j	Nov. -408j	June -407j	Dec. -407j	June -406j
1 15:37	II 14 05:40	III 23 18:41	II 2 20:59	II 13 10:27	II 25 01:21	II 2 02:56	II 13 17:39	II 23 08:16	II 2 11:04	II 13 02:08	II 24 16:37
4 03:42	III 16 18:10	III 26 07:35	III 5 09:32	III 15 23:24	III 27 14:00	III 4 15:24	III 16 06:18	III 25 21:17	III 4 23:26	III 15 14:34	III 27 04:54
6 16:02	III 19 06:18	III 28 19:02	III 7 22:12	III 18 11:26	III 30 01:38	III 7 04:01	III 18 18:59	III 28 09:59	III 7 12:22	III 18 03:19	III 29 17:30
9 02:22	III 21 15:53		III 10 08:48	III 20 21:27		III 9 15:42	III 21 06:34	III 30 21:15	III 10 00:38	III 20 15:17	
11 09:30	III 23 22:14	Oct. -411j	III 12 16:45	III 23 05:27	May -409j	III 12 01:47	III 23 16:01		III 12 10:57	III 23 00:55	July -406j
13 13:43	III 26 02:04	III 1 03:35	III 14 22:35	III 25 11:43	III 2 11:34	III 14 09:33	III 25 22:29	Dec. -408j	III 14 18:11	III 25 06:57	III 2 04:48
15 16:10	III 28 04:40	III 3 09:27	III 17 02:59	III 27 16:13	III 4 19:36	III 16 14:25	III 28 01:48	III 3 05:53	III 16 21:56	III 27 09:14	III 4 13:00
17 18:13	III 30 07:11	III 5 13:37	III 19 06:21	III 29 18:57	III 7 01:24	III 18 16:30	III 30 02:43	III 5 11:08	III 18 22:47	III 29 08:55	III 6 17:12
19 20:56		III 7 16:58	III 21 08:55	III 31 20:26	III 9 04:49	III 20 16:51		III 7 13:11	III 20 22:13	III 31 07:58	III 8 18:03
22 00:58	Apr. -411j	III 9 20:02	III 23 11:17		III 11 06:18	III 22 17:12	June -408j	III 9 13:07	III 22 22:12		III 10 17:22
24 06:37	III 1 10:22	III 11 23:06	III 25 14:35	Nov. -410j	III 13 07:03	III 24 19:24	III 1 02:40	III 11 12:42	III 25 00:40	Jan. -406j	III 12 17:19
26 14:09	III 3 14:34	III 14 02:42	III 27 20:16	III 2 21:59	III 15 08:48	III 27 00:58	III 3 03:27	III 13 13:51	III 27 06:55	III 2 08:36	III 14 19:49
28 23:53	III 5 20:08	III 16 07:54	III 30 05:22	III 5 01:21	III 17 13:15	III 29 10:20	III 5 06:47	III 15 18:16	III 29 16:59	III 4 12:37	III 16 17:01
	III 8 03:43	III 18 15:51		III 7 08:04	III 19 21:23		III 7 13:45	III 18 02:45	III 2 20:42	III 6 20:42	III 19 11:12
Oct. -412j	III 10 13:51	III 21 02:56	May -410j	III 9 18:30	III 22 08:41	Dec. -409j	III 10 00:14	III 20 14:32	July -407j	III 9 07:58	III 21 22:40
1 11:41	III 13 02:09	III 23 15:50	III 2 17:25	III 12 07:08	III 24 21:14	III 1 22:24	III 12 12:47	III 23 03:38	III 2 05:27	III 11 20:40	III 24 11:04
4 00:20	III 15 14:42	III 26 03:47	III 5 06:10	III 14 19:22	III 27 08:50	III 4 11:03	III 15 01:24	III 25 16:08	III 4 18:23	III 14 09:21	III 26 23:38
6 11:34	III 18 00:58	III 28 12:33	III 7 17:00	III 17 05:14	III 29 18:19	III 6 22:28	III 17 12:33	III 28 02:55	III 7 06:25	III 16 21:11	III 28 11:22
8 19:25	III 20 07:28	III 30 17:47	III 10 00:41	III 19 12:26		III 9 07:49	III 19 21:33	III 30 11:34	III 9 16:45	III 19 07:24	III 31 20:47
10 23:26	III 22 10:36		III 12 05:37	III 21 17:37	June -409j	III 11 14:59	III 22 04:11		III 12 00:49	III 21 14:56	
13 00:46	III 24 11:54	Nov. -411j	III 14 08:56	III 23 21:33	III 1 01:32	III 13 20:07	III 24 08:34	Jan. -407j	III 14 06:05	III 23 19:04	Aug. -406j
15 01:14	III 26 13:10	III 1 20:40	III 16 11:43	III 26 00:44	III 3 06:48	III 15 23:29	III 26 11:01	III 1 17:51	III 16 08:30	III 25 20:03	III 3 02:34
17 02:42	III 28 15:44	III 3 22:47	III 18 14:35	III 28 03:31	III 5 10:30	III 18 01:35	III 28 12:18	III 3 21:41	III 18 08:50	III 27 19:21	III 5 04:37
19 06:22	III 30 20:13	III 6 01:22	III 20 17:56	III 30 06:33	III 7 13:03	III 20 03:19	III 30 13:39	III 5 23:21	III 20 08:42	III 29 19:06	III 7 04:11
21 12:35		III 8 04:58	III 22 22:20		III 9 15:11	III 22 05:58		III 7 23:52	III 22 10:06	III 31 21:27	III 9 03:20
23 20:59	May -411j	III 10 09:44	III 25 04:38	Dec. -410j	III 11 17:57	III 24 10:54	July -408j	III 10 00:47	III 24 14:54		III 11 04:19
26 07:12	III 3 02:39	III 12 15:57	III 27 13:39	III 2 10:49	III 13 23:36	III 26 19:05	III 2 16:33	III 12 03:59	III 26 23:51	Feb. -406j	III 13 08:49
28 18:59	III 5 10:58	III 15 00:14	III 30 01:21	III 4 17:29	III 16 06:09	III 29 06:21	III 4 22:25	III 14 10:55	III 29 11:57	III 3 03:53	III 15 17:15
31 07:44	III 7 21:18	III 17 11:04		III 7 03:13	III 18 16:45	III 31 19:00	III 7 07:53	III 16 21:45		III 5 14:18	III 18 04:35
Nov. -412j	III 10 09:32	III 19 23:52	June -410j	III 9 15:23	III 21 05:06		III 9 20:04	III 19 10:42	Aug. -407j	III 8 02:56	III 20 17:08
2 19:51	III 12 22:26	III 22 12:27	III 1 14:12	III 12 03:54	III 23 16:59	Jan. -408j	III 12 08:43	III 21 23:11	III 1 00:53	III 10 15:37	III 23 05:33
5 05:07	III 15 09:39	III 24 22:14	III 4 01:39	III 14 14:20	III 26 02:32	III 3 06:36	III 14 19:40	III 24 09:29	III 3 12:38	III 13 03:05	III 25 17:03
7 10:13	III 17 17:09	III 27 03:58	III 6 09:50	III 16 21:32	III 28 09:08	III 5 15:35	III 17 03:56	III 26 17:20	III 5 22:26	III 15 12:55	III 28 02:49
9 11:36	III 19 20:35	III 29 06:20	III 8 14:31	III 19 01:48	III 30 13:19	III 7 21:43	III 19 09:48	III 28 23:14	III 8 06:17	III 17 20:48	III 30 09:53
11 11:03	III 21 21:16		III 10 16:50	III 21 04:18		III 9 10:48	III 21 13:59	III 30 03:39	III 10 12:11	III 20 02:12	
13 10:47	III 23 21:11	Dec. -411j	III 12 18:16	III 23 06:21	July -409j	III 12 04:51	III 23 17:10		III 12 16:00	III 22 04:57	Sept. -406j
15 12:47	III 25 22:15	III 1 07:04	III 14 20:09	III 25 08:55	III 2 16:05	III 14 07:40	III 25 19:48	III 27 22:26	III 14 17:55	III 24 05:41	III 1 13:38
17 18:08	III 28 01:46	III 3 07:59	III 16 23:21	III 27 12:43	III 4 18:29	III 16 10:48	III 27 22:26	III 16 18:48	III 16 18:48	III 26 05:58	III 3 14:36
20 02:40	III 30 08:06	III 5 10:30	III 19 04:23	III 29 18:11	III 6 21:19	III 18 14:47	III 30 01:58	III 18 20:18	III 18 20:18	III 28 07:46	III 5 14:16
22 13:25		III 7 15:12	III 21 11:33		III 9 01:14	III 20 20:17		III 6 10:52	III 21 00:16		III 7 14:41
25 01:28	June -411j	III 9 22:10	III 23 21:04	Jan. -409j	III 11 06:49	III 23 04:08	Aug. -408j	III 8 14:07	III 23 08:02	March -406j	III 9 17:47
27 14:09	III 1 16:56	III 12 07:15	III 26 08:46	III 1 01:42	III 13 14:36	III 25 14:45	III 1 07:35	III 10 20:13	III 25 19:23	III 2 12:51	III 12 00:45
30 02:33	III 4 03:45	III 14 18:23	III 28 21:41	III 3 11:32	III 16 00:53	III 28 03:15	III 3 16:18	III 13 05:59	III 28 08:13	III 4 21:57	III 14 11:17
	III 6 16:07	III 17 07:06		III 5 23:24	III 18 13:03	III 30 15:23	III 6 03:59	III 15 18:30	III 30 19:59	III 7 09:57	III 16 23:44
Dec. -412j	III 9 05:08	III 19 20:02	July -410j	III 8 12:04	III 21 01:23		III 8 16:47	III 18 07:08		III 9 22:38	III 19 12:06
2 13:00	III 11 17:05	III 22 06:58	III 10 23:25	III 12 03:25	III 23 11:37	Feb. -408j	III 11 04:00	III 20 17:28	Sept. -407j	III 12 09:56	III 21 23:08
4 19:52	III 14 01:55	III 24 14:09	III 13 07:34	III 15 12:03	III 25 18:25	III 2 00:47	III 13 12:01	III 23 00:42	III 2 05:19	III 14 19:09	III 24 08:22
6 22:39	III 16 06:38	III 26 17:22	III 16 00:32	III 17 13:42	III 27 21:55	III 4 06:35	III 15 16:57	III 25 05:32	III 4 12:18	III 17 02:20	III 26 15:29
8 22:30	III 18 07:51	III 28 17:50	III 19 04:23	III 19 14:10	III 29 23:23	III 6 09:32	III 17 19:59	III 27 09:06	III 6 17:35	III 19 07:40	III 28 20:18
10 21:29	III 20 07:17	III 30 17:27	III 21 11:33	III 23 18:09	Aug. -409j	III 8 11:11	III 22 32:32		III 8 21:38	III 21 11:18	III 30 22:55
12 21:49	III 22 07:02		III 25 04:50	III 27 12:43	III 1 00:30	III 12 16:20	III 23 04:08	III 25 05:07	III 11 00:39	III 23 13:31	Oct. -406j
15 01:20	III 24 08:54	Jan. -410j	III 28 17:18	III 30 18:38	III 3 02:42	III 14 21:14	III 25 14:45	III 26 09:48	III 13 03:02	III 25 15:12	III 3 00:07
17 08:42	III 26 14:03	III 1 18:07	III 31 03:13		III 5 06:55	III 17 03:48	III 28 03:15	III 31 00:41	III 15 05:38	III 27 17:41	III 5 01:16
19 19:17	III 28 22:32	III 3 21:18	III 3 19:05	Feb. -409j	III 7 13:21	III 19 12:12	III 3 16:18		III 17 09:51	III 29 22:30	III 7 04:02
22 07:35		III 6 03:42	III 6 00:32	III 5 23:24	III 9 21:54	III 21 22:43	III 6 03:59	III 18 07:08	III 22 03:17		III 9 09:51
25 20:15	July -411j	III 8 13:07	III 9 09:48	III 10 23:25	III 12 08:22	III 24 11:04	III 8 16:47	III 20 17:28	III 24 16:16	Apr. -406j	III 11 19:15
27 08:24	III 1 09:36	III 11 00:45	III 12 03:28	III 13 07:34	III 14 20:28	III 26 23:41	III 11 04:00	III 23 00:42	III 26 16:03	III 3 17:52	III 14 07:14
29 19:04	III 3 22:09	III 13 13:34	III 16 02:27	III 16 00:32	III 17 09:09	III 29 10:06	III 13 12:01	III 25 05:32	III 28 08:13	III 6 06:23	III 16 19:43
	III 6 11:06	III 16 02:27	III 19 04:23	III 19 14:10	III 20 01:08		III 15 16:57	III 27 09:06	III 30 19:59	III 8 17:54	III 19 06:38
Jan. -411j	III 8 23:13	III 18 13:56	III 21 11:33	III 23 18:09	III 25 18:25	III 28 03:15	III 17 19:59	III 29 09:06	III 22 02:17	III 11 02:54	III 21 15:08
3 03:05	III 11 08:59	III 20 22:34	III 24 14:09	III 27 12:43	III 30 18:38	III 3 11:32	III 20 07:15	III 31 00:41	III 24 05:07	III 13 03:02	III 23 03:08
5 09:12	III 13 15:16	III 23 03:30	III 26 17:22	III 31 03:13		III 6 03:59	III 22 04:19	III 15 18:30	III 26 16:03	III 15 18:30	III 25 17:03
7 18:56	III 15 17:57	III 25 05:07	III 28 17:50	III 3 19:05	III 6 00:32	III 9 21:54	III 23 11:37	III 18 07:08	III 28 08:13	III 18 07:08	III 28 02:49
9 08:51	III 17 18:08	III 27 04:46	III 30 17:27	III 10 03:07	III 12 03:28	III 14 20:28	III 25 18:25	III 20 17:28	III 30 19:59	III 21 11:18	III 30 09:53
11 10:55	III 19 17:34	III 31 05:43	III 1 18:07	III 13 07:34	III 16 00:32	III 17 09:09	III 27 21:55	III 22 32:32	III 3 21:18	III 23 13:31	III 3 00:07
13 16:34	III 21 18:12		III 4 03:42	III 16 02:27	III 19 14:10	III 20 01:08	III 29 23:23	III 25 05:32	III 6 17:35	III 25 15:12	III 5 01:16
16 02:01	III 23 21:43	Feb. -410j	III 8 13:07	III 9 09:48	III 12 03:28	III 15 12:03	III 30 09:22	III 27 09:06	III 10 05:14	III 27 17:41	III 7 04:02
18 14:05	III 26 04:58	III 2 10:27	III 11 00:45	III 13 13:34	III 16 00:32	III 19 14:10	III 31 03:13	III 29 09:06	III 12 16:00	III 29 22:30	III 9 09:51
21 02:49	III 28 15:38	III 4 19:05	III 14 02:42	III 16 02:27	III 17 13:42	III 20 01:08	III 3 11:32	III 30 19:59	III 14 17:55	III 31 00:41	III 11 19:15
23 14:39	III 30 04:15	III 6 03:42	III 17 07:06	III 19 04:23	III 21 11:33	III 23 18:09	III 6 03:59	III 3 16:18	III 18 20:18	III 3 21:18	III 14 07:14
26 00:45		III 8 13:07	III 20 22:34	III 22 06:58	III 24 14:09	III 27 12:43	III 9 21:54	III 6 03:59	III 21 00:16	III 6 06:23	III 16 19

with clock times in UT/GMT. The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

Jan. -405j ♈ 1 20:02 ♈ 4 07:08 ♈ 6 19:42 ♈ 9 08:23 ♈ 11 18:58 ♈ 14 01:35 ♈ 16 04:08 ♈ 18 04:05 ♈ 20 03:35 ♈ 22 04:43 ♈ 24 08:50 ♈ 26 16:10 ♈ 29 20:02 ♈ 31 13:35	July -405j ♈ 14 09:16 ♈ 16 20:49 ♈ 19 09:43 ♈ 21 21:46 ♈ 24 06:32 ♈ 26 11:13 ♈ 28 12:46 ♈ 30 13:03 Aug. -405j ♈ 1 13:58 ♈ 3 16:52 ♈ 5 22:17 ♈ 8 06:04 ♈ 10 15:57 ♈ 13 03:41 ♈ 15 16:38 ♈ 18 05:13 ♈ 20 15:15 ♈ 22 21:15 ♈ 24 23:25 ♈ 26 23:17 ♈ 28 22:53 ♈ 31 00:06	Jan. -404j ♈ 23 23:26 ♈ 26 11:41 ♈ 29 00:37 ♈ 31 11:35 Feb. -404j ♈ 2 18:49 ♈ 4 22:24 ♈ 6 23:46 ♈ 9 00:39 ♈ 11 02:33 ♈ 13 06:18 ♈ 15 12:14 ♈ 17 20:23 ♈ 20 06:43 ♈ 22 18:59 ♈ 25 08:01 ♈ 27 19:51 March -404j ♈ 1 04:23 ♈ 3 08:58 ♈ 5 10:21 ♈ 7 10:13 ♈ 9 10:26 ♈ 11 12:37 ♈ 13 17:45 ♈ 16 02:02 ♈ 18 12:54 ♈ 21 01:25 ♈ 23 14:27 ♈ 26 02:37 ♈ 28 12:19 ♈ 30 18:29 Apr. -404j ♈ 1 21:04 ♈ 3 21:10 ♈ 5 20:33 ♈ 7 21:08 ♈ 10 00:38 ♈ 12 07:56 ♈ 14 18:42 ♈ 17 07:25 ♈ 19 20:26 ♈ 22 08:26 ♈ 24 18:32 ♈ 27 01:55 ♈ 29 06:10 May -404j ♈ 1 07:37 ♈ 3 07:25 ♈ 5 07:22 ♈ 7 09:27 ♈ 9 15:14 ♈ 12 01:06 ♈ 14 13:39 ♈ 17 02:39 ♈ 19 14:20 ♈ 22 00:03 ♈ 24 07:39 ♈ 26 12:59 ♈ 28 16:01 ♈ 30 17:11 June -404j ♈ 1 17:43 ♈ 3 19:23 ♈ 6 00:02 ♈ 8 08:42 ♈ 10 20:40 ♈ 13 09:35 ♈ 15 21:07 ♈ 18 06:15 ♈ 20 13:11 ♈ 22 18:25 ♈ 24 22:14 ♈ 27 00:48 ♈ 29 02:39 July -404j ♈ 1 04:59 ♈ 3 09:26 ♈ 5 17:15 ♈ 8 04:29 ♈ 10 17:18 ♈ 13 04:59 ♈ 15 13:55 ♈ 17 20:03 ♈ 20 00:18 ♈ 22 03:35 ♈ 24 06:31 ♈ 26 09:28 ♈ 28 13:01 ♈ 30 18:09	Aug. -404j ♈ 2 01:55 ♈ 4 12:40 ♈ 7 01:20 ♈ 9 13:29 ♈ 11 22:54 ♈ 14 04:52 ♈ 16 08:10 ♈ 18 10:08 ♈ 20 12:05 ♈ 22 14:54 ♈ 24 19:11 ♈ 27 01:20 ♈ 29 09:44 ♈ 31 20:30 Sept. -404j ♈ 3 09:01 ♈ 5 21:38 ♈ 8 08:04 ♈ 10 14:54 ♈ 12 18:11 ♈ 14 19:09 ♈ 16 19:32 ♈ 18 20:57 ♈ 21 00:38 ♈ 23 07:07 ♈ 25 16:14 ♈ 28 03:27 ♈ 30 15:59 Oct. -404j ♈ 3 04:45 ♈ 5 16:09 ♈ 8 00:29 ♈ 10 04:59 ♈ 12 06:12 ♈ 14 05:40 ♈ 16 05:25 ♈ 18 07:23 ♈ 20 12:52 ♈ 22 21:58 ♈ 25 09:35 ♈ 27 22:18 ♈ 30 10:57 Nov. -404j ♈ 1 22:36 ♈ 4 08:08 ♈ 6 14:26 ♈ 8 17:10 ♈ 10 17:11 ♈ 12 16:17 ♈ 14 16:40 ♈ 16 20:21 ♈ 19 04:15 ♈ 21 15:39 ♈ 24 04:31 ♈ 26 17:02 ♈ 29 04:19 Dec. -404j ♈ 1 13:58 ♈ 3 21:22 ♈ 6 01:55 ♈ 8 03:38 ♈ 10 03:35 ♈ 12 03:40 ♈ 14 06:02 ♈ 16 12:19 ♈ 18 22:39 ♈ 21 11:18 ♈ 23 23:50 ♈ 26 10:44 ♈ 28 19:41 ♈ 31 02:48 Jan. -403j ♈ 2 08:03 ♈ 4 11:19 ♈ 6 12:58 ♈ 8 14:08 ♈ 10 16:31 ♈ 12 21:51 ♈ 15 06:57 ♈ 17 18:59 ♈ 20 07:35 ♈ 22 18:31 ♈ 25 02:54 ♈ 27 08:59 ♈ 29 13:29 ♈ 31 16:53 Feb. -403j ♈ 2 19:36 ♈ 4 22:15 ♈ 7 01:46 ♈ 9 07:21	Feb. -403j ♈ 11 15:52 ♈ 14 03:13 ♈ 16 15:49 ♈ 19 03:14 ♈ 21 11:47 ♈ 23 17:15 ♈ 25 20:29 ♈ 27 22:41 March -403j ♈ 2 00:58 ♈ 4 04:08 ♈ 6 08:47 ♈ 8 15:20 ♈ 11 00:10 ♈ 13 11:16 ♈ 15 23:47 ♈ 18 11:48 ♈ 20 21:15 ♈ 23 03:06 ♈ 25 05:45 ♈ 27 06:36 ♈ 29 07:23 ♈ 31 09:37 Apr. -403j ♈ 2 14:17 ♈ 4 21:33 ♈ 7 07:06 ♈ 9 18:27 ♈ 12 06:56 ♈ 14 19:23 ♈ 17 05:56 ♈ 19 12:59 ♈ 21 16:12 ♈ 23 16:35 ♈ 25 16:03 ♈ 27 16:40 ♈ 29 20:06 May -403j ♈ 2 03:02 ♈ 4 12:56 ♈ 7 00:40 ♈ 9 13:14 ♈ 12 01:47 ♈ 14 13:03 ♈ 16 21:32 ♈ 19 02:09 ♈ 21 03:17 ♈ 23 02:28 ♈ 25 01:54 ♈ 27 03:42 ♈ 29 09:17 ♈ 31 18:39 June -403j ♈ 3 06:29 ♈ 5 19:10 ♈ 8 07:34 ♈ 10 18:54 ♈ 13 04:10 ♈ 15 10:18 ♈ 17 12:59 ♈ 19 13:06 ♈ 21 12:27 ♈ 23 13:14 ♈ 25 17:17 ♈ 28 01:24 ♈ 30 12:44 July -403j ♈ 3 01:23 ♈ 5 13:38 ♈ 8 00:33 ♈ 10 09:40 ♈ 12 16:28 ♈ 14 20:34 ♈ 16 22:15 ♈ 18 22:40 ♈ 20 23:35 ♈ 23 02:49 ♈ 25 09:37 ♈ 27 20:01 ♈ 30 08:24 Aug. -403j ♈ 1 20:39 ♈ 4 07:11 ♈ 6 15:34 ♈ 8 21:51 ♈ 11 02:17 ♈ 13 05:09 ♈ 15 07:05 ♈ 17 09:09 ♈ 19 12:39 ♈ 21 18:50	Aug. -403j ♈ 24 04:17 ♈ 26 16:14 ♈ 29 04:38 ♈ 31 15:17 Sept. -403j ♈ 2 23:09 ♈ 5 04:23 ♈ 7 07:52 ♈ 9 10:34 ♈ 11 13:18 ♈ 13 16:40 ♈ 15 21:17 ♈ 18 03:50 ♈ 20 12:54 ♈ 23 00:24 ♈ 25 12:59 ♈ 28 00:19 ♈ 30 08:29 Oct. -403j ♈ 2 13:10 ♈ 4 15:21 ♈ 6 16:41 ♈ 8 18:41 ♈ 10 22:20 ♈ 13 03:55 ♈ 15 11:26 ♈ 17 20:51 ♈ 20 08:11 ♈ 22 20:50 ♈ 25 08:59 ♈ 27 18:21 ♈ 29 23:38 Nov. -403j ♈ 1 01:24 ♈ 3 01:22 ♈ 5 01:40 ♈ 7 04:02 ♈ 9 09:21 ♈ 11 17:26 ♈ 14 03:32 ♈ 16 15:07 ♈ 19 03:43 ♈ 21 16:19 ♈ 24 02:59 ♈ 26 09:51 ♈ 28 12:35 ♈ 30 12:24 Dec. -403j ♈ 2 11:28 ♈ 4 12:01 ♈ 6 15:42 ♈ 8 23:04 ♈ 11 09:21 ♈ 13 21:18 ♈ 16 09:56 ♈ 18 22:27 ♈ 21 09:39 ♈ 23 18:01 ♈ 25 22:33 ♈ 27 23:40 ♈ 29 22:56 ♈ 31 22:31 Jan. -402j ♈ 3 00:28 ♈ 5 06:07 ♈ 7 15:32 ♈ 10 03:27 ♈ 12 16:11 ♈ 15 04:25 ♈ 17 15:19 ♈ 20 00:03 ♈ 22 05:56 ♈ 24 08:52 ♈ 26 09:38 ♈ 28 09:44 ♈ 30 11:03 Feb. -402j ♈ 1 15:13 ♈ 3 23:09 ♈ 6 10:22 ♈ 8 23:05 ♈ 11 11:13 ♈ 13 21:33 ♈ 16 05:37 ♈ 18 11:30 ♈ 20 15:24 ♈ 22 17:46 ♈ 24 19:22 ♈ 26 21:23 March -402j ♈ 1 01:13 ♈ 3 08:04 ♈ 5 18:18 ♈ 8 06:44 ♈ 10 19:02 ♈ 13 05:11 ♈ 15 12:28 ♈ 17 17:21 ♈ 19 20:47 ♈ 21 23:37 ♈ 24 02:27 ♈ 26 05:48 ♈ 28 10:22 ♈ 30 17:06 Apr. -402j ♈ 2 02:42 ♈ 4 14:46 ♈ 7 03:21 ♈ 9 13:54 ♈ 11 21:01 ♈ 14 00:59 ♈ 16 03:11 ♈ 18 05:07 ♈ 20 07:55 ♈ 22 12:03 ♈ 24 17:40 ♈ 27 01:04 ♈ 29 10:41 May -402j ♈ 1 22:32 ♈ 4 11:22 ♈ 6 22:44 ♈ 9 06:32 ♈ 11 10:25 ♈ 13 11:41 ♈ 15 12:12 ♈ 17 13:45 ♈ 19 17:24 ♈ 21 23:24 ♈ 24 07:32 ♈ 26 17:38 ♈ 29 05:33 ♈ 31 18:32 June -402j ♈ 3 06:40 ♈ 5 15:42 ♈ 7 20:32 ♈ 9 21:52 ♈ 11 21:31 ♈ 13 21:35 ♈ 15 23:45 ♈ 18 04:56 ♈ 20 13:06 ♈ 22 23:39 ♈ 25 11:50 ♈ 28 00:49 ♈ 30 13:18 July -402j ♈ 2 23:26 ♈ 5 05:48 ♈ 7 08:19 ♈ 9 08:16 ♈ 11 07:35 ♈ 13 08:15 ♈ 15 11:50 ♈ 17 19:02 ♈ 20 05:26 ♈ 22 17:48 ♈ 25 06:46 ♈ 27 19:05 ♈ 30 05:35 Aug. -402j ♈ 1 13:10 ♈ 3 17:22 ♈ 5 18:42 ♈ 7 18:31 ♈ 9 18:36 ♈ 11 20:47 ♈ 14 02:27 ♈ 16 11:56 ♈ 19 00:08 ♈ 21 13:05 ♈ 24 01:04 ♈ 26 11:07 ♈ 28 18:53 ♈ 31 00:12 Sept. -402j ♈ 2 03:13 ♈ 4 04:32 ♈ 6 05:18 ♈ 8 07:06 Oct. -402j ♈ 1 12:10 ♈ 3 14:27 ♈ 5 17:05 ♈ 7 21:23 ♈ 10 04:42 ♈ 12 15:28 ♈ 15 04:17 ♈ 17 16:26 ♈ 20 01:45 ♈ 22 07:51 ♈ 24 11:45 ♈ 26 14:45 ♈ 28 17:44 ♈ 30 21:07 Nov. -402j ♈ 2 01:06 ♈ 4 06:17 ♈ 6 13:38 ♈ 8 23:53 ♈ 11 12:29 ♈ 14 01:08 ♈ 16 11:09 ♈ 18 17:19 ♈ 20 20:20 ♈ 22 21:51 ♈ 24 23:32 ♈ 27 02:27 ♈ 29 06:59 Dec. -402j ♈ 1 13:14 ♈ 3 21:23 ♈ 6 07:46 ♈ 8 20:11 ♈ 11 09:11 ♈ 13 20:18 ♈ 16 03:36 ♈ 18 06:57 ♈ 20 07:44 ♈ 22 07:50 ♈ 24 09:02 ♈ 26 12:32 ♈ 28 18:47 ♈ 31 03:36 Jan. -401j ♈ 2 14:33 ♈ 5 03:04 ♈ 7 16:06 ♈ 10 03:56 ♈ 12 12:44 ♈ 14 17:35 ♈ 16 19:01 ♈ 18 18:38 ♈ 20 18:20 ♈ 22 19:58 ♈ 25 00:51 ♈ 27 09:17 ♈ 29 20:33 Feb. -401j ♈ 1 09:19 ♈ 3 22:15 ♈ 6 10:07 ♈ 8 19:47 ♈ 11 02:16 ♈ 13 05:23 ♈ 15 05:56 ♈ 17 05:26 ♈ 19 05:48 ♈ 21 08:54 ♈ 23 15:57 ♈ 26 02:42 ♈ 28 15:33 March -401j ♈ 3 04:25 ♈ 5 15:56 ♈ 8 01:27 ♈ 10 08:39 ♈ 12 13:18 ♈ 14 15:31 ♈ 16 16:06 ♈ 18 16:31 ♈ 20 18:40 Apr. -401j ♈ 1 22:27 ♈ 4 07:19 ♈ 6 14:05 ♈ 8 19:06 ♈ 10 22:33 ♈ 13 00:39 ♈ 15 02:12 ♈ 17 04:36 ♈ 19 09:32 ♈ 21 18:08 ♈ 24 05:58 ♈ 26 18:50 ♈ 29 06:05 May -401j ♈ 1 14:30 ♈ 3 20:22 ♈ 6 00:36 ♈ 8 03:59 ♈ 10 06:56 ♈ 12 09:45 ♈ 14 13:13 ♈ 16 18:29 ♈ 19 02:42 ♈ 21 14:01 ♈ 24 02:50 ♈ 26 14:30 ♈ 28 23:06 ♈ 31 04:27 June -401j ♈ 2 07:36 ♈ 4 09:52 ♈ 6 12:17 ♈ 8 15:29 ♈ 10 19:55 ♈ 13 02:07 ♈ 15 10:41 ♈ 17 21:50 ♈ 20 10:37 ♈ 22 22:52 ♈ 25 08:18 ♈ 27 14:02 ♈ 29 16:41 July -401j ♈ 1 17:43 ♈ 3 18:43 ♈ 5 21:00 ♈ 8 01:24 ♈ 10 08:15 ♈ 12 17:31 ♈ 15 04:55 ♈ 17 17:42 ♈ 20 06:21 ♈ 22 16:55 ♈ 24 23:53 ♈ 27 03:08 ♈ 29 03:46 ♈ 31 03:28 Aug. -401j ♈ 2 04:08 ♈ 4 07:17 ♈ 6 13:46 ♈ 8 23:23 ♈ 11 11:12 ♈ 14 00:03 ♈ 16 12:46 ♈ 19 00:03 ♈ 21 08:29 ♈ 23 13:18 ♈ 25 14:46 ♈ 27 14:14 ♈ 29 13:40 ♈ 31 15:06 Sept. -401j ♈ 2 20:10 ♈ 5 05:12 ♈ 7 17:08 ♈ 10 06:06 ♈ 12 18:38 ♈ 15 05:52 ♈ 17 15:06 ♈ 19 21:32 ♈ 22 00:44 ♈ 24 01:18 ♈ 26 00:44 ♈ 28 01:08 ♈ 30 04:33 Oct. -401j ♈ 2 12:11 ♈ 4 23:33 ♈ 7 12:30 ♈ 10 00:54 ♈ 12 11:39 ♈ 14 20:34 ♈ 17 03:32 ♈ 19 08:13 ♈ 21 10:35 ♈ 23 11:19 ♈ 25 12:01 ♈ 27 14:38 ♈ 29 20:53 Nov. -401j ♈ 1 07:07 ♈ 3 19:47 ♈ 6 08:13 ♈ 8 18:40 ♈ 11 02:45 ♈ 13 08:58 ♈ 15 13:43 ♈ 17 17:09 ♈ 19 19:31 ♈ 21 21:36 ♈ 24 00:46 ♈ 26 06:33 ♈ 28 15:48 Dec. -401j ♈ 1 03:50 ♈ 3 16:27 ♈ 6 03:11 ♈ 8 10:56 ♈ 10 16:05 ♈ 12 19:38 ♈ 14 22:29 ♈ 17 01:19 ♈ 19 04:40 ♈ 21 09:09 ♈ 23 15:34 ♈ 26 00:36 ♈ 28 12:08 ♈ 31 00:48
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