

with clock times in UT/GMT. The year -100 astronomical counting style corresponds to year 101 B.C.E historical counting style.

Jan. -100j	July -100j	Jan. -99j	Aug. -99j	Feb. -98j	Aug. -98j	March -97j	Sept. -97j	March -96j	Oct. -96j	Apr. -95j	Oct. -95j
II 2 04:52	III 13 18:51	II 23 09:09	II 2 13:11	II 12 02:33	II 24 14:28	II 1 15:25	II 11 01:46	II 22 13:55	II 2 00:12	II 13 12:40	II 24 01:11
4 15:22	III 16 05:19	II 25 19:38	II 4 21:49	II 14 11:47	II 27 00:50	II 3 20:13	II 13 07:22	II 24 20:14	II 4 08:09	II 15 22:10	II 26 12:20
7 03:19	III 18 17:21	II 28 07:58	II 7 09:05	II 16 23:43	II 29 13:19	II 6 04:06	II 15 16:25	II 27 06:10	II 6 19:40	II 18 10:35	II 29 01:07
9 15:57	III 21 06:05	II 30 20:46	II 9 22:00	II 19 12:33	II 31 15:12	II 8 15:02	II 18 04:13	II 29 18:36	II 9 08:40	II 20 23:34	II 31 13:37
12 04:06	III 23 17:39		II 12 10:07	II 21 23:40	Sept. -98j	II 11 03:31	II 20 16:44		II 9 20:49	II 23 11:14	
14 14:02	III 26 02:01	Feb. -99j	II 14 19:02	II 24 07:20	II 1 01:32	II 13 15:12	II 23 03:49	Apr. -96j	II 14 06:48	II 25 20:53	Nov. -95j
16 20:16	III 28 06:16	II 2 07:30	II 17 00:01	II 26 11:37	II 3 11:15	II 16 00:24	II 25 12:19	II 1 07:11	II 16 14:31	II 28 04:31	II 3 00:53
18 22:38	III 30 07:14	II 4 14:21	II 19 02:04	II 28 13:48	II 5 17:49	II 18 06:44	II 27 18:19	II 3 17:56	II 18 20:19	II 30 10:06	II 5 10:33
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22 21:38	Aug. -100j	II 8 17:41	II 23 04:23	March -98j	II 10 00:33	II 22 13:42		II 8 07:47	II 23 03:07	May -95j	II 9 22:57
24 22:28	II 1 06:46	II 10 17:45	II 25 07:26	II 2 15:24	II 12 02:57	II 24 16:14	Oct. -97j	II 10 11:52	II 25 04:48	II 2 13:31	II 12 01:00
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II 14 03:54	II 24 14:25	II 2 23:22	II 17 11:28	June -98j	II 3 06:49	II 5 15:15	II 16 15:20	II 25 01:33	II 19 08:54	II 27 11:52	II 1 19:48
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with clock times in UT/GMT. The year -94 astronomical counting style corresponds to year 095 B.C.E historical counting style.

May -94j	Nov. -94j	May -93j	Dec. -93j	June -92j	Dec. -92j	July -91j	Jan. -90j	July -90j	Feb. -89j	Aug. -89j	Feb. -88j
1 01:31	10 12:49	23 02:01	2 15:22	13 05:05	23 19:33	3 01:25	12 15:26	25 03:18	1 10:40	13 21:04	23 09:28
3 06:36	12 19:48	25 09:53	5 00:09	15 14:25	26 05:13	5 09:05	14 22:55	27 11:06	3 16:04	16 03:28	25 16:51
5 15:34	15 05:52	27 20:23	7 11:11	18 01:52	28 16:40	7 18:50	17 08:44	29 21:51	6 00:35	18 13:26	28 03:36
8 03:15	17 17:48	30 08:36	9 23:43	20 14:34	31 05:14	10 06:29	19 20:48	21 01:36	8 12:12	21 01:50	31 02:10
10 15:54	20 06:28	June -93j	12 12:43	23 03:15	Jan. -91j	12 19:09	22 09:33	Aug. -90j	11 01:06	23 14:11	March -88j
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10 01:50	19 14:25	Sept. -93j	12 16:02	3 02:09	3 02:09	2 15:38	2 15:38	28 17:55	28 17:55	11 16:05	30 07:25
12 05:03	21 17:41	1 02:26	14 19:42	5 07:48	5 07:48	4 21:04	4 21:04	30 18:30	30 18:30	13 03:35	3 13:53
14 14:30	23 20:31	3 06:11	16 22:07	9 09:49	9 09:49	7 00:25	7 00:25	31 07:25	31 07:25	15 14:53	5 07:05
16 10:09	25 23:33	5 09:09	18 23:55	11 09:11	11 09:11	9 02:08	9 02:08	March -90j	1 14:53	17 16:19	8 20:58
18 13:39	28 03:08	7 11:41	21 02:24	13 10:19	13 10:19	11 03:11	11 03:11	5 08:58	3 13:53	19 18:38	10 22:29
20 18:27	31 01:05	9 14:29	24 03:37	15 14:59	15 14:59	13 04:59	13 04:59	7 20:17	5 13:53	21 01:33	12 02:10
23 01:05	2 07:50	11 18:48	26 06:58	17 23:46	17 23:46	15 09:13	15 09:13	9 04:49	3 13:53	23 13:20	14 07:25
25 10:03	4 14:30	14 01:58	19 20:29	20 11:30	20 11:30	17 17:03	17 17:03	11 03:27	5 13:53	25 17:34	16 16:06
27 21:24	6 23:54	16 12:32	22 06:58	22 11:25	22 11:25	19 20:29	19 20:29	13 05:21	7 20:17	27 20:31	18 02:25
30 10:00	9 11:52	19 01:18	25 05:15	24 03:37	24 03:37	21 02:24	21 02:24	15 09:13	9 04:49	30 07:25	20 10:09
Sept. -94j	12 00:36	21 13:34	27 14:40	26 06:18	26 06:18	23 03:56	23 03:56	17 16:19	11 03:27	31 07:25	22 20:08
1 21:36	14 11:26	23 23:01	29 21:29	28 12:55	28 12:55	25 12:16	25 12:16	19 18:38	13 03:35	Oct. -89j	25 08:02
4 06:05	16 18:43	26 05:09	31 07:57	3 02:09	3 02:09	27 23:07	27 23:07	21 01:33	15 14:53	1 01:15	27 20:31
6 10:53	18 22:38	28 08:56	Jan. -92j	5 07:48	5 07:48	29 22:43	29 22:43	23 13:20	17 16:19	3 03:29	30 07:25
8 12:58	21 00:36	30 11:43	2 15:38	9 09:49	9 09:49	31 23:02	31 23:02	25 17:34	19 18:38	5 07:05	3 13:53
10 14:01	23 02:16	Oct. -93j	11 03:11	11 09:11	11 09:11	1 14:12	1 14:12	27 03:37	21 01:33	7 12:31	5 07:05
12 15:41	25 04:54	2 14:34	13 04:59	13 10:19	13 10:19	3 17:56	3 17:56	29 07:01	23 13:20	9 20:04	8 20:58
14 19:07	27 09:01	4 17:54	15 06:58	15 14:59	15 14:59	5 23:03	5 23:03	31 07:25	25 17:34	11 16:05	10 22:29
17 00:41	29 14:44	6 21:59	17 17:03	17 23:46	17 23:46	7 19:38	7 19:38	March -89j	27 20:31	13 03:35	12 02:10
19 08:14	31 22:12	9 03:16	19 20:29	20 11:30	20 11:30	9 22:43	9 22:43	5 08:58	29 00:11	15 14:53	14 07:25
21 17:40	Jan. -93j	11 10:40	22 06:58	22 11:25	22 11:25	11 22:25	11 22:25	7 20:17	31 07:25	17 16:19	16 16:06
24 04:58	3 07:47	13 20:52	25 05:15	24 03:37	24 03:37	13 10:19	13 10:19	9 04:49	1 14:53	19 18:38	18 02:25
26 17:37	5 19:35	15 09:24	27 14:40	26 06:18	26 06:18	15 09:13	15 09:13	11 03:27	3 13:53	21 01:33	20 10:09
29 05:57	8 08:30	18 22:09	29 21:29	28 12:55	28 12:55	17 17:03	17 17:03	13 05:21	5 13:53	23 13:20	22 20:08
Oct. -94j	10 20:11	21 08:23	31 07:57	3 02:09	3 02:09	19 20:29	19 20:29	15 09:13	7 20:17	25 17:34	24 03:37
1 15:40	13 04:21	23 14:47	Jan. -92j	5 07:48	5 07:48	21 02:24	21 02:24	17 16:19	9 04:49	27 20:31	26 06:18
3 21:17	15 08:30	25 17:52	2 15:38	9 09:49	9 09:49	23 03:56	23 03:56	19 18:38	11 03:27	29 00:11	28 12:55
5 23:11	17 09:44	27 19:16	4 21:04	11 09:11	11 09:11	25 12:16	25 12:16	21 01:33	13 03:35	31 07:25	3 13:53
7 23:04	19 10:01	29 20:40	6 23:54	13 10:19	13 10:19	27 23:07	27 23:07	23 13:20	15 14:53	Oct. -89j	5 07:05
9 23:06	21 11:11	31 23:17	9 11:52	15 14:59	15 14:59	29 22:43	29 22:43	25 17:34	17 16:19	1 01:15	7 12:31
12 01:07	23 14:27	Nov. -93j	11 10:40	17 23:46	17 23:46	31 23:02	31 23:02	27 20:31			

with clock times in UT/GMT. The year -88 astronomical counting style corresponds to year 089 B.C.E historical counting style.

Sept. -88j	March -87j	Sept. -87j	Apr. -86j	Oct. -86j	Apr. -85j	Nov. -85j	May -84j	Nov. -84j	June -83j	Dec. -83j	June -82j
♈ 1 15:16	♈ 14 03:16	♈ 23 13:37	♈ 2 21:06	♈ 13 07:39	♈ 24 20:56	♈ 2 03:33	♈ 13 17:09	♈ 23 06:42	♈ 2 14:05	♈ 13 03:35	♈ 16 16:29
♈ 3 20:24	♈ 16 09:18	♈ 25 21:27	♈ 5 02:18	♈ 15 15:06	♈ 27 05:43	♈ 4 10:28	♈ 16 00:41	♈ 25 14:46	♈ 4 20:12	♈ 15 10:10	♈ 26 23:10
♈ 6 05:14	♈ 18 19:06	♈ 28 08:46	♈ 7 11:37	♈ 18 02:01	♈ 29 17:06	♈ 6 20:10	♈ 18 10:35	♈ 28 01:00	♈ 7 04:38	♈ 17 18:54	♈ 29 08:10
♈ 8 16:56	♈ 21 07:27	♈ 30 21:44	♈ 9 23:54	♈ 20 14:38		♈ 9 07:38	♈ 20 22:19	♈ 30 13:06	♈ 9 15:22	♈ 20 05:47	
♈ 11 05:30	♈ 23 20:14		♈ 12 12:58	♈ 23 03:19	May -85j	♈ 11 20:07	♈ 23 11:12		♈ 12 03:49	♈ 22 18:14	July -82j
♈ 13 16:59	♈ 26 07:34	Oct. -87j	♈ 15 01:08	♈ 25 15:08	♈ 2 05:37	♈ 14 08:53	♈ 25 23:59	Dec. -84j	♈ 14 16:35	♈ 25 06:34	♈ 1 19:27
♈ 16 02:20	♈ 28 16:38	♈ 3 10:15	♈ 17 11:35	♈ 28 01:27	♈ 4 18:13	♈ 16 20:36	♈ 28 10:39	♈ 3 02:09	♈ 17 03:35	♈ 27 16:38	♈ 4 07:59
♈ 18 09:26	♈ 30 23:23	♈ 5 21:03	♈ 19 19:56	♈ 30 09:24	♈ 7 06:03	♈ 19 05:27	♈ 30 17:35	♈ 5 14:21	♈ 19 11:11	♈ 29 23:03	♈ 6 19:40
♈ 20 14:32		♈ 8 05:44	♈ 22 01:49		♈ 9 15:57	♈ 21 10:18		♈ 7 23:37	♈ 21 15:04		♈ 9 04:26
♈ 22 18:02	Apr. -87j	♈ 10 12:11	♈ 24 05:03	Nov. -86j	♈ 11 22:39	♈ 23 11:29	June -84j	♈ 10 04:52	♈ 23 16:11	Jan. -82j	♈ 11 09:31
♈ 24 20:24	♈ 2 04:04	♈ 12 16:24	♈ 26 06:05	♈ 1 14:11	♈ 14 01:38	♈ 25 10:42	♈ 1 20:34	♈ 12 06:38	♈ 25 16:13	♈ 1 01:57	♈ 13 11:43
♈ 26 22:27	♈ 4 07:04	♈ 14 18:34	♈ 28 06:11	♈ 3 15:48	♈ 16 01:47	♈ 27 10:07	♈ 3 20:47	♈ 14 06:27	♈ 27 16:55	♈ 3 02:39	♈ 15 12:38
♈ 29 01:16	♈ 6 08:57	♈ 16 19:28	♈ 30 07:13	♈ 5 15:27	♈ 18 00:56	♈ 29 11:48	♈ 5 20:08	♈ 16 06:16	♈ 29 19:47	♈ 5 02:59	♈ 17 13:58
	♈ 8 10:37	♈ 18 20:31		♈ 7 15:06	♈ 20 01:17		♈ 7 20:38	♈ 18 07:51		♈ 7 04:43	♈ 19 17:03
Oct. -88j	♈ 10 13:22	♈ 20 23:28	May -86j	♈ 9 16:58	♈ 22 04:46	Dec. -85j	♈ 9 23:49	♈ 20 12:27	July -83j	♈ 9 08:59	♈ 21 22:24
♈ 1 06:07	♈ 12 18:36	♈ 23 05:54	♈ 2 11:07	♈ 11 22:45	♈ 24 12:15	♈ 1 17:05	♈ 12 06:26	♈ 22 20:24	♈ 2 01:40	♈ 11 16:08	♈ 24 05:56
♈ 3 14:01	♈ 15 03:18	♈ 25 16:14	♈ 4 19:07	♈ 14 08:39	♈ 26 23:08	♈ 4 02:04	♈ 14 16:15	♈ 25 07:07	♈ 4 10:34	♈ 14 01:40	♈ 26 15:27
♈ 6 00:58	♈ 17 15:02	♈ 28 05:01	♈ 7 06:41	♈ 16 21:07	♈ 29 11:40	♈ 6 13:38	♈ 17 04:15	♈ 27 19:33	♈ 6 21:47	♈ 16 12:56	♈ 28 02:46
♈ 8 13:31	♈ 20 03:49	♈ 30 17:35	♈ 9 19:40	♈ 19 09:49		♈ 9 02:18	♈ 19 17:13	♈ 30 08:32	♈ 9 10:22	♈ 19 01:20	♈ 31 15:22
♈ 11 01:17	♈ 22 15:10		♈ 12 07:42	♈ 21 21:16	June -85j	♈ 11 14:52	♈ 22 05:55		♈ 11 23:13	♈ 21 13:53	
♈ 13 10:27	♈ 24 23:42	Nov. -87j	♈ 14 17:37	♈ 24 07:02	♈ 1 00:11	♈ 14 02:24	♈ 24 16:59	Jan. -83j	♈ 14 10:53	♈ 24 01:01	Aug. -82j
♈ 15 16:37	♈ 27 05:31	♈ 2 03:59	♈ 17 01:24	♈ 26 14:59	♈ 3 11:42	♈ 16 11:52	♈ 27 01:09	♈ 1 20:52	♈ 16 19:50	♈ 26 08:56	♈ 3 03:43
♈ 17 20:33	♈ 29 09:31	♈ 4 11:49	♈ 19 07:21	♈ 28 20:49	♈ 5 21:34	♈ 18 18:16	♈ 29 05:45	♈ 4 07:07	♈ 19 01:07	♈ 28 12:53	♈ 5 13:39
♈ 19 23:24		♈ 6 17:37	♈ 21 11:32		♈ 8 05:00	♈ 20 21:19		♈ 6 14:05	♈ 21 02:55	♈ 30 13:36	♈ 7 19:39
♈ 22 02:07	May -87j	♈ 8 22:02	♈ 23 14:02	Dec. -86j	♈ 10 09:28	♈ 22 21:52	July -84j	♈ 8 17:27	♈ 23 02:35		♈ 9 21:50
♈ 24 05:21	♈ 1 12:37	♈ 11 01:25	♈ 25 15:28	♈ 1 00:10	♈ 12 11:11	♈ 24 21:33	♈ 1 07:15	♈ 10 17:59	♈ 25 01:59	Feb. -82j	♈ 11 21:47
♈ 26 09:31	♈ 3 15:28	♈ 13 03:57	♈ 27 17:06	♈ 3 01:28	♈ 14 11:19	♈ 26 22:19	♈ 3 06:59	♈ 12 17:19	♈ 27 03:13	♈ 1 12:50	♈ 13 21:36
♈ 28 15:08	♈ 5 18:28	♈ 15 06:15	♈ 29 20:42	♈ 5 02:00	♈ 16 11:42	♈ 29 01:56	♈ 5 06:47	♈ 14 17:25	♈ 29 07:47	♈ 3 12:48	♈ 15 23:14
♈ 30 22:55	♈ 7 22:13	♈ 17 09:34		♈ 7 03:38	♈ 18 14:15	♈ 31 09:22	♈ 7 08:30	♈ 16 20:09	♈ 31 16:14	♈ 5 15:26	♈ 18 03:51
	♈ 10 03:41	♈ 19 15:23	June -86j	♈ 9 08:14	♈ 20 20:22		♈ 9 13:36	♈ 19 02:44		♈ 7 21:44	♈ 20 11:34
Nov. -88j	♈ 12 11:54	♈ 22 00:44	♈ 1 03:43	♈ 11 16:46	♈ 23 06:11	Jan. -84j	♈ 11 22:31	♈ 21 13:05	Aug. -83j	♈ 10 07:23	♈ 22 21:38
♈ 2 09:21	♈ 14 23:04	♈ 24 13:02	♈ 3 14:24	♈ 14 04:30	♈ 25 18:22	♈ 2 20:16	♈ 14 20:21	♈ 24 01:42	♈ 3 03:38	♈ 12 19:06	♈ 25 09:16
♈ 4 21:47	♈ 17 11:50	♈ 27 01:50	♈ 6 03:07	♈ 16 17:13	♈ 28 06:52	♈ 5 08:55	♈ 16 23:21	♈ 26 14:42	♈ 5 16:25	♈ 15 07:38	♈ 27 21:53
♈ 7 10:08	♈ 19 23:35	♈ 29 12:28	♈ 8 15:14	♈ 19 04:39	♈ 30 18:04	♈ 7 21:25	♈ 19 11:48	♈ 29 02:43	♈ 8 05:09	♈ 17 20:07	♈ 30 10:32
♈ 9 19:57	♈ 22 08:12		♈ 11 00:56	♈ 21 13:49		♈ 10 08:26	♈ 21 22:35	♈ 31 12:59	♈ 10 16:54	♈ 20 07:39	
♈ 12 02:01	♈ 24 13:24	Dec. -87j	♈ 13 07:58	♈ 23 20:51	July -85j	♈ 12 17:24	♈ 24 07:03		♈ 13 02:42	♈ 22 16:51	Sept. -82j
♈ 14 04:56	♈ 26 16:16	♈ 1 19:48	♈ 15 13:03	♈ 26 02:10	♈ 3 03:18	♈ 15 00:04	♈ 26 12:50	Feb. -83j	♈ 15 09:33	♈ 24 22:30	♈ 1 21:35
♈ 16 06:16	♈ 28 18:20	♈ 4 00:29	♈ 17 16:53	♈ 28 06:03	♈ 5 10:25	♈ 17 04:25	♈ 28 15:59	♈ 2 20:53	♈ 17 12:58	♈ 27 00:28	♈ 4 05:08
♈ 18 07:47	♈ 30 20:49	♈ 6 03:46	♈ 19 19:56	♈ 30 08:44	♈ 7 15:22	♈ 19 06:44	♈ 30 17:07	♈ 5 01:57	♈ 19 13:32	♈ 28 23:59	♈ 6 08:31
♈ 20 10:43		♈ 8 06:44	♈ 21 22:34		♈ 9 18:21	♈ 21 07:54		♈ 7 04:13	♈ 21 12:47		♈ 8 08:43
♈ 22 15:34	June -87j	♈ 10 09:55	♈ 24 01:27	Jan. -85j	♈ 11 20:00	♈ 23 09:12	Aug. -84j	♈ 9 04:31	♈ 23 12:50	March -82j	♈ 10 07:42
♈ 24 22:16	♈ 2 00:21	♈ 12 13:32	♈ 26 05:43	♈ 1 10:52	♈ 13 21:27	♈ 25 12:13	♈ 1 17:28	♈ 11 04:26	♈ 25 15:47	♈ 2 23:08	♈ 12 07:44
♈ 27 06:45	♈ 4 05:08	♈ 14 18:03	♈ 28 12:35	♈ 3 13:33	♈ 16 00:11	♈ 18 05:35	♈ 3 18:41	♈ 13 05:58	♈ 27 22:53	♈ 5 00:09	♈ 14 10:40
♈ 29 17:12	♈ 6 11:29	♈ 17 00:22	♈ 30 22:40	♈ 5 18:11	♈ 8 01:54	♈ 10 14:22	♈ 5 22:29	♈ 15 10:54	♈ 30 09:46	♈ 7 04:46	♈ 16 17:23
	♈ 8 19:56	♈ 19 09:25		♈ 8 01:54	♈ 12 02:47	♈ 14 05:58	♈ 8 06:04	♈ 17 20:02		♈ 9 13:27	♈ 19 03:20
Dec. -88j	♈ 11 06:54	♈ 21 21:16	July -86j	♈ 10 12:47	♈ 23 01:58	Feb. -84j	♈ 10 17:14	♈ 20 08:17	Sept. -83j	♈ 12 01:03	♈ 21 15:15
♈ 2 05:29	♈ 13 19:39	♈ 24 10:14	♈ 3 11:03	♈ 13 01:20	♈ 25 14:28	♈ 4 04:57	♈ 13 06:09	♈ 22 21:19	♈ 1 22:34	♈ 14 13:43	♈ 24 03:54
♈ 4 18:20	♈ 16 07:59	♈ 26 21:37	♈ 5 23:26	♈ 15 13:07	♈ 28 01:42	♈ 6 15:46	♈ 15 18:29	♈ 25 09:04	♈ 4 11:13	♈ 17 02:04	♈ 26 16:27
♈ 7 05:19	♈ 18 17:24	♈ 29 05:28	♈ 8 09:28	♈ 17 22:21	♈ 30 10:25	♈ 8 23:56	♈ 20 12:33	♈ 27 18:45	♈ 6 22:35	♈ 19 13:21	♈ 29 03:50
♈ 9 12:26	♈ 20 22:50	♈ 31 09:45	♈ 10 16:17	♈ 20 04:40	Aug. -85j	♈ 11 05:43	♈ 22 18:21	March -83j	♈ 9 08:16	♈ 24 05:44	Oct. -82j
♈ 11 15:29	♈ 23 01:05		♈ 12 20:26	♈ 22 08:44	♈ 1 16:35	♈ 13 09:50	♈ 24 22:27	♈ 2 02:22	♈ 13 20:51	♈ 26 09:24	♈ 1 12:39
♈ 13 15:54	♈ 25 01:53	Jan. -86j	♈ 14 23:05	♈ 24 11:36	♈ 3 20:49	♈ 15 12:57	♈ 27 01:08	♈ 4 08:02	♈ 15 23:07	♈ 28 10:20	♈ 3 17:50
♈ 15 15:45	♈ 27 03:02	♈ 2 11:48	♈ 17 01:22	♈ 26 14:10	♈ 5 23:53	♈ 17 15:35	♈ 30 02:54	♈ 6 11:45	♈ 17 23:28	♈ 30 10:01	♈ 5 19:30
♈ 17 17:02	♈ 29 05:48	♈ 4 13:14	♈ 19 19:06	♈ 28 17:09	♈ 8 02:30	♈ 19 18:17	♈ 31 04:49	♈ 8 13:42	♈ 19 23:37		♈ 7 19:01
♈ 19 20:59		♈ 6 15:23	♈ 21 07:51	♈ 30 21:09	♈ 10 05:19	♈ 21 21:59		♈ 10 14:42	♈ 22 01:38	Apr. -82j	♈ 9 18:27
♈ 22 03:51	July -87j	♈ 8 18:59	♈ 23 13:10	Feb. -85j	♈ 12 09:06	♈ 14 14:45	Sept. -84j	♈ 12 16:21	♈ 24 07:16	♈ 1 10:29	♈ 11 19:53
♈ 24 24:13	♈ 1 10:41	♈ 11 00:22	♈ 25 20:40	♈ 2 02:49	♈ 4 10:44	♈ 16 23:04	♈ 4 14:54	♈ 14 20:26	♈ 26 17:00	♈ 3 13:45	♈ 14 00:52
♈ 26 23:59	♈ 3 17:44	♈ 13 07:41	♈ 28 06:42	♈ 6 21:12	♈ 9 09:30	♈ 19 10:05	♈ 7 01:08	♈ 17 04:18	♈ 29 05:26	♈ 5 20:57	♈ 16 09:45
♈ 29 12:19	♈ 6 02:51	♈ 15 17:13	♈ 30 18:52	♈ 11 21:46	♈ 13 01:20	♈ 25 14:28	♈ 9 13:48	♈ 19 15:45		♈ 8 07:42	♈ 18 21:27
	♈ 8 14:01	♈ 18 04:58		♈ 14 07:46	♈ 16 14:19	♈ 29 00:44	♈ 11 15:57	♈ 22 04:41	Oct. -83j	♈ 10 20:15	♈ 21 10:11
Jan. -87j	♈ 11 02:46	♈ 20 17:58	Aug. -86j	♈ 17 22:21	♈ 20 04:40	♈ 22 08:44	♈ 13 18:21	♈ 24 22:27	♈ 1 18:06	♈ 13 08:33	♈ 23 22:28
♈ 1 01:17	♈ 13 15:33	♈ 23 06:07	♈ 2 07:32	♈ 15 13:07	♈ 17 22:21	♈ 20 04:40	♈ 15 18:29	♈ 27 01:08	♈ 4 05:09	♈ 15 19:25	♈ 26 09:26
♈ 3 13:10	♈ 16 02:04	♈ 25 15:13	♈ 4 18:24	♈ 18 14:19	♈ 21 13:49	♈ 22 08:44	♈ 16 23:04	♈ 31 03:45	♈ 6 14:08	♈ 18 04:25	♈ 28 18:23
♈ 5 21:52	♈ 18 08:39	♈ 27 20:20	♈ 7 01:53	♈ 20 19:06	♈ 22 20:15	♈ 24 22:32	♈ 19 10:05		♈ 8 21:15	♈ 20 11:20	♈ 31 00:42
♈ 8 02:19	♈ 20 11:22	♈ 29 22:11	♈ 9 05:53	♈ 22 08:44	♈ 24 11:36	♈ 26 14:10	♈ 27 01:08	♈ 30 02:54	♈ 10 16:54	♈ 22 16:51	
♈ 10 03:12	♈ 22 11:39	♈ 31 22:24	♈ 11 07:31	♈ 24 11:36	♈ 26 14:10	♈ 28 17:09	♈ 31 04:49	♈ 8 13:42	♈ 19 23:37	♈ 24 05:44	Oct. -82j
♈ 12 02:22	♈ 24 11:28		♈ 13 08:20	♈ 26 14:10	♈ 28 17:09	♈ 30 21:09	♈ 31 04:49	♈ 10 14:42	♈ 22 01:38		

with clock times in UT/GMT. The year -81 astronomical counting style corresponds to year 082 B.C.E historical counting style.

Jan. -81j	July -81j	Jan. -80j	Aug. -80j	Feb. -79j	Aug. -79j	March -78j	Sept. -78j	March -77j	Oct. -77j	Apr. -76j	Oct. -76j
II 2 01:13	II 14 12:47	II 24 00:53	II 2 08:09	II 11 19:23	II 24 04:45	II 1 14:13	II 10 22:38	II 23 09:31	II 2 18:38	II 13 06:37	II 23 18:47
III 4 05:54	III 16 17:12	III 26 05:23	III 4 10:42	III 13 22:39	III 26 09:36	III 3 14:20	III 12 23:29	III 25 11:09	III 4 22:09	III 15 11:41	III 26 01:29
IV 6 12:27	IV 19 00:15	IV 28 13:18	IV 6 16:28	IV 16 05:39	IV 28 18:17	IV 5 16:42	IV 15 03:23	IV 27 16:20	IV 7 05:27	IV 17 20:11	IV 28 10:36
V 8 21:39	V 21 10:32	V 31 00:41	V 9 02:06	V 18 16:18	V 31 05:54	V 7 22:38	V 17 11:07	V 30 01:27	V 9 15:59	V 20 07:07	V 30 21:28
VI 11 09:25	VI 23 23:08		VI 11 14:26	VI 21 04:52		VI 10 08:19	VI 29 22:13		VI 12 04:17	VI 22 19:21	
VII 13 22:10	VII 26 11:30	Feb. -80j	VII 14 02:57	VII 23 17:03	Sept. -79j	VII 12 20:34	VII 22 11:02	Apr. -77j	VII 14 17:01	VII 25 08:00	Nov. -76j
VIII 16 09:15	VIII 28 21:14	2 13:37	VIII 16 13:34	VIII 26 03:23	2 18:31	VIII 15 09:28	VIII 24 23:50	1 13:27	VIII 17 05:16	VIII 27 20:11	2 09:40
IX 18 16:51	IX 31 03:33	5 01:18	IX 18 21:41	IX 28 11:33	5 06:23	IX 17 21:21	IX 27 11:22	4 02:30	IX 19 16:04	IX 30 06:24	3 42:32
X 20 20:57		7 10:02	X 21 03:43		7 16:33	X 20 07:20	X 29 20:52	6 15:04	X 22 00:14		4 71:30
XI 22 22:54	Aug. -81j	9 15:53	XI 23 08:16	March -79j	9 10:40	XI 22 14:57		9 02:11	XI 24 04:52	May -76j	5 91:30
Dec. -80j	2 07:17	11 19:55	Dec. -80j	2 17:43	Dec. -80j	Dec. -80j	Oct. -78j	Dec. -80j	Dec. -80j	2 13:11	Dec. -80j
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II 29 07:02	6 12:27	16 02:14	II 29 16:43	7 01:01	7 01:01	7 16:12	4 07:54	4 07:54	4 07:54	6 16:02	6 16:02
III 31 12:48	8 15:41	18 05:23	III 31 20:04	9 02:58	9 02:58	9 13:17	6 09:32	6 09:32	6 09:32	8 15:03	8 15:03
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Feb. -81j	13 01:12	22 14:22	Feb. -81j	13 08:37	13 08:37	13 19:19	10 10:14	10 10:14	10 10:14	12 18:47	12 18:47
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March -81j	9 07:31	20 21:30	March -81j	31 30:11	31 30:11		31 20:45	31 20:45	31 20:45	7 01:36	7 01:36
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13 01:42	23 13:07	May -80j	13 01:42	31 30:11	31 30:11		31 66:10	31 66:10	31 66:10	16 03:15	16 03:15
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12 13:09	22 01:07		12 13:09	31 30:11	31 30:11		31 99:10	31 99:10	31 99:10	13 14:41	13 14:41
14 15:22	24 02:05	June -80j	14 15:22	31 30:11	31 30:11		31 101:22	31 101:22	31 101:22	16 03:15	16 03:15
16 15:48	26 01:39	2 11:43	16 15:48	31 30:11	31 30:11		31 103:34	31 103:34	31 103:34	18 14:51	18 14:51
18 16:01	28 01:41	4 11:44	18 16:01	31 30:11	31 30:11		31 105:46	31 105:46	31 105:46	20 03:15	20 03:15
20 17:46	30 04:09	6 11:07	20 17:46	31 30:11	31 30:11		31 107:58	31 107:58	31 107:58	22 03:15	22 03:15
22 22:37		8 11:56	22 22:37	31 30:11	31 30:11		31 110:10	31 110:10	31 110:10	24 03:15	24 03:15
25 07:15	Dec. -81j	10 16:01	25 07:15	31 30:11	31 30:11		31 112:22	31 112:22	31 112:22	26 03:15	26 03:15
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	7 09:32	18 00:32		31 30:11	31 30:11		31 118:58	31 118:58	31 118:58		
June -81j	9 22:32	20 13:04	June -81j	31 30:11	31 30:11		31 121:10	31 121:10	31 121:10	Sept. -76j	Sept. -76j
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4 05:56	14 19:49	25 09:34	4 05:56	31 30:11	31 30:11		31 125:34	31 125:34	31 125:34	5 06:56	5 06:56
6 13:38	17 03:20	27 16:25	6 13:38	31 30:11	31 30:11		31 127:46	31 127:46	31 127:46	7 13:56	7 13:56
8 19:06	19 08:32	29 20:24	8 19:06	31 30:11	31 30:11		31 129:58	31			

with clock times in UT/GMT. The year -75 astronomical counting style corresponds to year 076 B.C.E historical counting style.

May -75j	Nov. -75j	May -74j	Dec. -74j	June -73j	Dec. -73j	July -72j	Jan. -71j	July -71j	Feb. -70j	Aug. -70j	Feb. -69j
1 01:32	10 13:16	23 02:16	2 15:10	14 03:29	24 16:24	3 01:12	12 13:14	24 22:21	1 08:52	13 17:06	23 04:03
3 03:55	12 16:51	25 05:58	4 19:05	16 07:20	26 20:02	5 03:19	14 14:47	27 00:16	3 09:05	15 18:22	25 06:21
5 08:38	14 22:11	27 11:18	7 00:34	18 13:02	29 01:43	7 06:53	16 18:34	29 05:34	5 11:53	17 23:04	27 12:17
7 15:40	17 05:22	29 18:44	9 08:19	20 21:17	31 10:22	9 13:18	19 02:01	31 14:56	7 18:39	20 07:39	
10 00:49	19 14:42		11 18:39	23 08:11		11 23:12	21 13:12		10 05:14	22 19:10	March -69j
12 11:55	22 02:15	June -74j	14 06:56	25 20:38	Jan. -72j	14 11:39	24 02:11	Aug. -71j	12 17:50	25 07:46	1 21:53
15 00:36	24 15:15	1 04:41	16 19:19	28 08:24	2 21:55	17 00:11	26 14:12	3 03:12	15 06:16	27 19:59	4 09:58
17 13:29	27 03:36	3 16:49	19 05:30	30 17:31	5 10:38	19 10:26	28 23:38	5 15:54	17 17:11	29 06:54	6 22:53
20 00:24	29 12:59	6 05:35	21 12:13		7 21:58	21 17:38	31 06:27	8 03:02	20 02:15		9 11:15
22 07:28		8 16:44	23 15:42	July -73j	10 06:08	23 22:23		10 11:59	22 09:22	Sept. -70j	11 22:02
24 10:32	Dec. -75j	11 00:31	25 17:13	2 23:16	12 11:08	26 01:49	Feb. -71j	12 19:00	24 14:18	1 15:55	14 06:23
26 10:52	1 18:20	13 04:43	27 18:22	5 02:21	14 14:06	28 04:49	2 11:29	15 00:19	26 17:06	3 22:23	16 11:46
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12 19:59	25 09:35	Oct. -74j	16 09:59	26 20:01	3 04:18	3 04:18	14 16:05	27 01:50	13 20:54	26 06:48	3 15:07
14 23:18	27 12:25	2 18:36	18 10:24	28 19:37	5 06:12	5 06:12	16 15:24	29 01:16	17 20:43	28 07:23	5 16:27
17 01:52	29 14:11	4 22:08	20 10:48	30 20:12	7 06:09	7 06:09	18 15:23	31 02:12	19 21:57	30 10:11	7 17:26
19 04:15	31 15:59	6 23:35	22 13:06		9 05:57	9 05:57	20 17:55		22 02:06		9 19:32
21 07:32		9 00:08	24 18:50	Nov. -73j	11 07:28	11 07:28	23 00:16	June -71j	24 09:29	Jan. -69j	11 23:31
23 13:12	Apr. -74j	11 01:37	26 04:20	1 23:37	13 12:11	13 12:11	25 10:22	2 06:18	26 19:27	3 15:48	14 05:33
25 22:16	2 19:27	13 05:57	29 16:25	4 06:53	15 20:42	15 20:42	27 22:55	4 14:15	29 07:01	5 23:56	16 13:36
28 10:21	5 02:07	15 14:12		6 17:38	18 08:14	18 08:14	30 11:59	7 01:23		7 10:03	18 23:47
30 23:13	7 12:28	18 01:51	May -73j	9 06:14	20 21:07	20 21:07		9 14:06	20 05:05	8 21:45	21 11:55
	10 01:08	20 14:37	2 04:54	11 18:44	23 09:33	23 09:33	Dec. -72j	12 02:52	22 17:40	11 10:35	24 00:58
Oct. -75j	12 13:26	23 02:11	4 16:06	14 05:51	26 20:23	26 20:23	3 00:11	14 14:36	25 05:18	13 23:13	26 12:44
3 10:06	14 23:19	25 11:27	7 01:17	16 15:01	28 04:57	28 04:57	5 10:40	16 15:24	17 27:14	16 09:31	28 21:05
5 17:42	17 06:21	27 18:32	9 08:23	18 21:55	30 10:56	30 10:56	7 18:46	18 00:01	19 07:32	18 15:47	30 01:19
7 22:30	19 11:16	29 23:57									

with clock times in UT/GMT. The year -69 astronomical counting style corresponds to year 070 B.C.E historical counting style.

Sept. -69j	March -68j	Sept. -68j	Apr. -67j	Oct. -67j	Apr. -66j	Nov. -66j	May -65j	Nov. -65j	June -64j	Dec. -64j	June -63j
♌ 2 12:35	♌ 13 23:43	♌ 23 09:28	♌ 2 19:48	♌ 13 06:36	♌ 24 19:49	♌ 2 05:25	♌ 14 18:36	♌ 24 07:22	♌ 2 16:57	♌ 13 05:27	♌ 24 16:17
♌ 4 13:34	♌ 16 01:35	♌ 25 13:08	♌ 4 21:51	♌ 15 10:27	♌ 27 00:21	♌ 4 08:59	♌ 16 21:53	♌ 26 10:23	♌ 4 19:07	♌ 15 07:12	♌ 26 17:36
♌ 6 17:35	♌ 18 06:48	♌ 27 20:11	♌ 7 02:53	♌ 17 16:44	♌ 29 06:44	♌ 6 13:40	♌ 19 02:18	♌ 28 14:44	♌ 6 21:58	♌ 17 09:52	♌ 28 20:28
♌ 9 01:13	♌ 20 15:39	♌ 30 06:10	♌ 9 10:55	♌ 20 01:06		♌ 8 19:51	♌ 21 08:42	♌ 30 21:32	♌ 9 02:43	♌ 19 14:48	
♌ 11 11:58	♌ 23 03:14		♌ 11 21:14	♌ 22 11:15	May -66j	♌ 11 04:14	♌ 23 17:52		♌ 11 10:18	♌ 21 23:03	July -63j
♌ 14 00:32	♌ 25 16:07	Oct. -68j	♌ 14 09:02	♌ 24 23:04	♌ 1 15:01	♌ 13 15:14	♌ 26 05:37	Dec. -65j	♌ 13 20:53	♌ 24 10:24	♌ 1 02:23
♌ 16 13:30	♌ 28 04:57	♌ 2 18:00	♌ 16 21:39	♌ 27 11:54	♌ 4 01:25	♌ 16 04:05	♌ 28 18:23	♌ 3 07:20	♌ 16 09:13	♌ 26 23:08	♌ 3 11:58
♌ 19 01:38	♌ 30 16:36	♌ 5 06:41	♌ 19 10:01	♌ 30 00:01	♌ 6 13:46	♌ 18 16:33	♌ 31 05:42	♌ 5 19:30	♌ 18 21:08	♌ 29 10:44	♌ 6 00:18
♌ 21 11:47		♌ 7 19:12	♌ 21 20:27		♌ 9 02:42	♌ 21 02:06		♌ 8 07:55	♌ 21 06:40	♌ 31 19:37	♌ 8 12:59
♌ 23 19:00	Apr. -68j	♌ 10 06:20	♌ 24 03:19	Nov. -67j	♌ 11 13:47	♌ 23 07:40	June -65j	♌ 10 18:18	♌ 23 13:14		♌ 10 23:49
♌ 25 22:55	♌ 2 01:55	♌ 12 14:35	♌ 26 06:12	♌ 1 09:06	♌ 13 21:04	♌ 25 10:02	♌ 2 13:47	♌ 13 01:27	♌ 25 17:19	Jan. -63j	♌ 13 07:58
♌ 28 00:03	♌ 4 08:02	♌ 14 19:04	♌ 28 06:11	♌ 3 13:57	♌ 16 00:22	♌ 27 10:52	♌ 4 18:29	♌ 15 05:43	♌ 27 20:01	♌ 3 01:38	♌ 15 13:45
♌ 29 23:46	♌ 6 10:46	♌ 16 20:08	♌ 30 05:17	♌ 5 15:10	♌ 18 01:03	♌ 29 11:55	♌ 6 20:50	♌ 17 08:12	♌ 29 22:24	♌ 5 05:39	♌ 17 17:58
	♌ 8 10:59	♌ 18 19:20		♌ 7 14:37	♌ 20 01:04		♌ 8 22:17	♌ 19 10:12		♌ 7 08:44	♌ 19 21:12
Oct. -69j	♌ 10 10:20	♌ 20 18:48	May -67j	♌ 9 14:32	♌ 22 02:17	Dec. -66j	♌ 11 00:08	July -64j	♌ 21 12:48	♌ 9 11:38	♌ 21 23:51
♌ 1 23:53	♌ 12 10:50	♌ 22 20:40	♌ 2 05:42	♌ 11 16:45	♌ 24 05:53	♌ 1 14:29	♌ 13 03:20	♌ 2 01:18	♌ 23 16:40	♌ 11 14:50	♌ 24 02:25
♌ 4 02:17	♌ 14 14:22	♌ 25 02:23	♌ 4 09:14	♌ 13 22:15	♌ 26 12:13	♌ 3 19:11	♌ 15 08:24	♌ 4 05:19	♌ 25 22:14	♌ 13 18:48	♌ 26 05:53
♌ 6 08:23	♌ 16 22:00	♌ 27 11:58	♌ 6 16:31	♌ 16 06:48	♌ 28 21:02	♌ 6 02:10	♌ 17 15:41	♌ 6 10:58	♌ 28 05:50	♌ 16 00:14	♌ 28 11:30
♌ 8 18:23	♌ 19 09:13	♌ 30 00:03	♌ 9 02:55	♌ 18 17:30	♌ 31 07:55	♌ 8 11:20	♌ 20 01:19	♌ 8 18:45	♌ 30 15:41	♌ 18 08:05	♌ 30 20:21
♌ 11 06:55	♌ 21 22:12		♌ 11 15:01	♌ 21 05:34		♌ 10 22:35	♌ 22 13:03	♌ 11 04:59		♌ 20 18:47	
♌ 13 19:53	♌ 24 10:55	Nov. -68j	♌ 23 18:21	♌ 26 06:47	June -66j	♌ 13 11:22	♌ 25 01:54	♌ 13 17:10	♌ 25 03:31	♌ 23 07:24	Aug. -63j
♌ 16 07:36	♌ 26 22:16	♌ 1 12:49	♌ 16 16:01	♌ 28 17:07	♌ 2 20:23	♌ 16 00:12	♌ 27 13:54	♌ 16 05:31	♌ 4 16:09	♌ 25 19:32	♌ 2 08:11
♌ 18 17:21	♌ 29 07:41	♌ 4 01:08	♌ 19 03:00	♌ 30 23:43	♌ 5 09:26	♌ 18 10:57	♌ 29 23:04	♌ 18 15:45	♌ 7 03:27	♌ 28 04:48	♌ 4 21:01
♌ 21 00:55		♌ 6 12:18	♌ 21 11:12		♌ 7 21:17	♌ 20 17:58		♌ 20 22:27	♌ 9 11:33	♌ 30 10:25	♌ 7 08:06
♌ 23 06:09	May -68j	♌ 8 21:30	♌ 23 15:40	Dec. -67j	♌ 10 05:55	♌ 22 21:06	July -65j	♌ 23 01:49	♌ 11 15:55	♌ 25 03:13	♌ 9 15:57
♌ 25 09:06	♌ 1 14:44	♌ 11 03:43	♌ 25 16:44	♌ 3 02:17	♌ 12 10:28	♌ 24 21:34	♌ 2 04:29	♌ 13 17:29	♌ 15 17:53	♌ 27 04:21	♌ 11 20:48
♌ 27 10:17	♌ 3 19:04	♌ 13 06:32	♌ 27 15:59	♌ 5 02:04	♌ 14 11:38	♌ 26 21:14	♌ 4 06:40	♌ 15 17:53	♌ 17 18:56	♌ 29 06:41	♌ 13 23:54
♌ 29 10:54	♌ 5 20:48	♌ 15 06:43	♌ 29 15:33	♌ 7 01:07	♌ 16 11:08	♌ 28 21:57	♌ 6 07:03	♌ 19 19:42	♌ 19 22:04	♌ 31 11:02	♌ 16 02:33
♌ 31 12:41	♌ 7 20:56	♌ 17 06:00	♌ 31 17:33	♌ 9 01:39	♌ 18 10:59	♌ 31 01:12	♌ 8 07:22	♌ 22 08:33	♌ 20 09:15		♌ 18 05:32
	♌ 9 21:12	♌ 19 06:37		♌ 11 05:20	♌ 20 12:57		♌ 10 09:15	♌ 24 20:57	♌ 22 03:57	Feb. -63j	♌ 20 09:10
Nov. -69j	♌ 11 23:38	♌ 21 10:35	June -67j	♌ 13 12:47	♌ 22 18:07	Jan. -65j	♌ 12 13:50	♌ 26 21:14	♌ 22 03:57	♌ 1 13:15	♌ 22 13:45
♌ 2 17:24	♌ 14 05:50	♌ 23 18:49	♌ 2 23:22	♌ 15 23:23	♌ 25 02:38	♌ 2 07:42	♌ 14 21:27	♌ 28 21:57	♌ 24 12:23	♌ 3 14:57	♌ 24 19:59
♌ 5 02:06	♌ 16 16:05	♌ 26 06:26	♌ 5 08:57	♌ 18 11:42	♌ 27 13:47	♌ 4 17:15	♌ 17 07:40	♌ 31 01:12	♌ 26 22:50	♌ 5 17:02	♌ 27 04:42
♌ 7 14:07	♌ 19 04:47	♌ 28 19:16	♌ 7 20:59	♌ 21 00:27	♌ 30 02:26	♌ 7 05:00	♌ 19 19:42	♌ 20 03:31	♌ 28 05:50	♌ 7 20:25	♌ 29 06:41
♌ 10 03:07	♌ 21 17:28		♌ 9 01:39	♌ 23 12:39		♌ 9 17:52	♌ 22 08:33	♌ 31 23:22	♌ 29 10:44	♌ 10 00:35	♌ 13 23:54
♌ 12 14:40	♌ 24 04:26	Dec. -68j	♌ 12 21:47	♌ 25 23:15	July -66j	♌ 12 06:39	♌ 24 20:57	♌ 31 23:22	♌ 20 09:15	♌ 12 13:19	♌ 16 02:33
♌ 14 23:43	♌ 26 13:17	♌ 1 07:25	♌ 15 08:35	♌ 28 07:05	♌ 2 15:26	♌ 14 18:01	♌ 27 07:15	♌ 31 17:17	♌ 26 22:50	♌ 15 00:34	♌ 18 05:32
♌ 17 06:29	♌ 28 20:10	♌ 3 18:04	♌ 17 17:16	♌ 30 11:30	♌ 5 03:28	♌ 17 02:31	♌ 29 14:08	♌ 3 11:22	♌ 28 05:40	♌ 17 08:19	♌ 20 09:10
♌ 19 11:36	♌ 31 01:12	♌ 6 03:00	♌ 19 23:03		♌ 7 13:03	♌ 19 07:22	♌ 31 17:17	♌ 5 20:51	♌ 29 10:44	♌ 19 12:02	♌ 22 13:45
♌ 21 15:28		♌ 8 09:54	♌ 22 01:44	Jan. -66j	♌ 9 19:10	♌ 21 08:56		♌ 8 02:30	♌ 31 23:22	♌ 21 12:45	♌ 24 14:10
♌ 23 18:16	June -68j	♌ 10 14:19	♌ 24 02:13	♌ 1 12:54	♌ 11 21:47	♌ 23 08:33	Aug. -65j	♌ 10 04:26	♌ 31 23:22	♌ 23 12:29	♌ 26 06:03
♌ 25 20:23	♌ 2 04:19	♌ 12 16:17	♌ 26 02:07	♌ 3 12:38	♌ 13 21:58	♌ 25 08:04	♌ 2 17:38	♌ 12 04:05	♌ 31 23:22	♌ 25 13:15	♌ 28 09:33
♌ 27 22:53	♌ 4 05:56	♌ 14 16:48	♌ 28 03:28	♌ 5 12:38	♌ 15 21:28	♌ 27 09:29	♌ 4 16:55	♌ 14 03:34	♌ 31 23:22	♌ 14 03:34	♌ 30 10:25
♌ 30 03:17	♌ 6 07:06	♌ 16 17:35	♌ 30 07:55	♌ 7 14:48	♌ 17 22:09	♌ 29 14:22	♌ 6 17:12	♌ 16 04:57	♌ 31 23:22	♌ 16 04:57	♌ 31 11:02
	♌ 8 09:30	♌ 18 20:37		♌ 9 20:33	♌ 20 01:42	♌ 31 23:12	♌ 8 20:16	♌ 18 09:41		♌ 18 09:41	
Dec. -69j	♌ 10 14:51	♌ 21 03:23	July -67j	♌ 12 06:04	♌ 22 09:02	Feb. -65j	♌ 11 03:08	♌ 20 17:58	Sept. -64j	♌ 1 08:06	♌ 2 08:11
♌ 2 10:59	♌ 13 00:02	♌ 23 13:55	♌ 2 16:14	♌ 14 18:12	♌ 24 19:48	♌ 3 11:01	♌ 13 13:25	♌ 26 22:50	♌ 1 08:06	♌ 13 22:50	♌ 4 21:01
♌ 4 22:13	♌ 15 12:11	♌ 26 02:32	♌ 5 03:39	♌ 17 16:16	♌ 27 08:32	♌ 6 00:03	♌ 16 01:44	♌ 28 05:40	♌ 3 19:01	♌ 16 09:47	♌ 6 01:21
♌ 7 11:10	♌ 18 00:52	♌ 28 14:45	♌ 7 16:16	♌ 19 18:52	♌ 30 21:26	♌ 8 12:39	♌ 18 14:36		♌ 6 07:13	♌ 18 22:15	♌ 8 12:59
♌ 9 23:01	♌ 20 11:46	♌ 31 01:03	♌ 10 04:14	♌ 22 04:54	Aug. -66j	♌ 10 23:51	♌ 21 02:57	♌ 31 04:28	♌ 8 20:03	♌ 21 11:08	♌ 10 08:00
♌ 12 07:52	♌ 22 20:03		♌ 12 14:30	♌ 24 12:42	♌ 1 09:08	♌ 13 08:55	♌ 23 13:48	♌ 30 04:28	♌ 10 04:26	♌ 23 12:29	♌ 12 08:00
♌ 14 13:43	♌ 25 02:04	Jan. -67j	♌ 14 22:43	♌ 26 18:05	♌ 3 18:47	♌ 15 15:15	♌ 25 22:05	♌ 31 04:28	♌ 12 04:05	♌ 25 13:15	♌ 14 11:07
♌ 16 17:39	♌ 27 06:33	♌ 2 09:08	♌ 17 04:43	♌ 28 07:05	♌ 5 03:28	♌ 17 18:36	♌ 28 02:55		♌ 14 03:34	♌ 16 04:57	♌ 16 14:34
♌ 18 20:49	♌ 29 09:59	♌ 4 15:20	♌ 19 08:31	♌ 30 22:33	♌ 7 13:03	♌ 19 19:29	♌ 30 04:28	♌ 31 17:17	♌ 16 04:57	♌ 18 09:41	♌ 18 05:32
♌ 20 23:55		♌ 6 19:54	♌ 21 10:32		♌ 9 19:10	♌ 21 08:56			♌ 18 09:41	♌ 20 17:58	♌ 20 09:10
♌ 23 03:14	July -68j	♌ 8 23:02	♌ 23 11:45	Feb. -66j	♌ 10 07:51	♌ 23 08:33	Sept. -65j	♌ 10 15:12	♌ 20 17:58	♌ 23 04:51	♌ 24 14:10
♌ 25 07:06	♌ 1 12:42	♌ 11 01:11	♌ 25 13:35	♌ 1 12:38	♌ 12 08:12	♌ 25 08:04	♌ 3 10:57	♌ 12 14:13	♌ 23 04:51	♌ 25 13:15	♌ 26 06:03
♌ 27 12:19	♌ 3 15:11	♌ 13 03:17	♌ 27 17:33	♌ 3 12:38	♌ 14 08:42	♌ 27 09:29	♌ 6 17:12	♌ 14 03:34	♌ 25 13:15	♌ 26 06:03	♌ 28 09:33
♌ 29 19:58	♌ 5 18:30	♌ 15 06:45	♌ 30 00:48	♌ 5 12:38	♌ 16 11:08	♌ 29 14:22	♌ 8 20:16	♌ 16 04:57	♌ 26 06:03	♌ 27 04:42	♌ 30 10:25
	♌ 7 23:58	♌ 17 12:56		♌ 7 14:48	♌ 18 17:00	♌ 31 23:12	♌ 10 03:08	♌ 18 09:41	♌ 28 05:40	♌ 29 06:41	♌ 31 11:02
Jan. -68j	♌ 10 08:35	♌ 19 22:29	Aug. -67j	♌ 9 20:33	♌ 20 01:42	Feb. -65j	♌ 11 03:08	♌ 20 17:58	♌ 31 23:12	♌ 21 12:45	♌ 22 13:45
♌ 1 06:37	♌ 12 20:11	♌ 22 10:33	♌ 1 11:20	♌ 11 01:35	♌ 22 18:07	♌ 3 11:01	♌ 13 13:25	♌ 26 22:50	♌ 31 23:12	♌ 23 12:29	♌ 24 14:10
♌ 3 19:24	♌ 15 08:52	♌ 24 22:58	♌ 3 23:45	♌ 13 12:42	♌ 25 02:38	♌ 6 00:03	♌ 16 01:44	♌ 28 05:40	♌ 31 23:12	♌ 25 13:15	♌ 26 06:03
♌ 6 07:47	♌ 17 20:09	♌ 27 09:30	♌ 6 11:47	♌ 16 02:12	♌ 27 08:32	♌ 8 12:39	♌ 18 14:36		♌ 31 23:12	♌ 26 06:03	♌ 28 09:33
♌ 8 17:18	♌ 20 04:25	♌ 29 17:10	♌ 8 21:46	♌ 18 11:40	♌ 30 21:26	♌ 10 23:51	♌ 21 02:57	♌ 31 04:28	♌ 31 23:12	♌ 27 04:42	♌ 30 10:25
♌ 10 23:07	♌ 22 09:44	♌ 31 22:16	♌ 11 05:09	♌ 20 18:35		♌ 12 14:25	♌ 23				

with clock times in UT/GMT. The year -62 astronomical counting style corresponds to year 063 B.C.E historical counting style.

Jan. -62j	July -62j	Jan. -61j	Aug. -61j	Feb. -60j	Aug. -60j	March -59j	Sept. -59j	March -58j	Oct. -58j	Apr. -57j	Oct. -57j
II 2 03:14	II 14 12:38	II 23 22:56	II 1 08:20	II 10 18:57	II 22 03:04	II 1 14:10	II 10 23:00	II 23 10:22	II 2 20:28	II 14 09:04	II 24 21:46
III 4 03:37	III 16 12:26	III 25 22:44	III 3 07:50	III 12 18:06	III 24 02:47	III 3 14:03	III 12 23:21	III 25 11:09	III 4 22:36	III 16 11:59	III 27 01:06
III 6 04:28	III 18 13:55	III 28 01:19	III 5 07:05	III 14 17:58	III 26 04:05	III 5 14:17	III 15 00:48	III 27 13:32	III 7 02:23	III 18 16:09	III 29 04:59
III 8 07:44	III 20 18:54	III 30 07:58	III 7 08:15	III 16 20:23	III 28 08:15	III 7 16:29	III 17 04:35	III 29 18:22	III 9 08:02	III 20 21:43	III 31 10:07
III 10 14:53	III 23 04:03		III 9 12:56	III 19 02:23	III 30 15:42	III 9 21:43	III 19 11:12		III 11 15:29	III 23 05:04	
III 13 01:55	III 25 16:13	Feb. -61j	III 11 21:26	III 21 11:50	Sept. -60j	III 12 06:09	III 21 20:27	Apr. -58j	III 14 00:51	III 25 14:44	Nov. -57j
III 15 14:56	III 28 05:04	II 1 18:30	III 14 08:44	III 23 23:38	II 2 01:59	III 14 17:10	III 24 07:40	II 1 01:46	III 16 12:13	III 28 02:43	II 2 17:33
III 18 03:18	III 30 16:43	II 4 07:04	III 16 21:16	III 26 12:27	II 4 14:09	III 17 05:43	III 26 20:09	II 3 11:19	III 19 00:57	III 30 15:36	II 5 03:58
III 20 13:28		II 6 19:41	III 19 09:43	III 29 01:09	II 6 03:09	III 19 18:41	III 29 08:50	II 5 22:36	III 21 13:07		II 7 16:39
III 22 21:16	Aug. -62j	II 9 07:10	III 21 21:17	III 21 21:17	II 9 15:43	III 22 06:43		II 8 11:03	III 23 22:20	May -57j	II 10 05:13
III 25 03:14	II 2 02:30	II 11 17:04	III 24 07:00	March -60j	II 12 02:35	III 24 16:20	Oct. -59j	III 10 23:31	III 26 03:24	II 3 02:52	II 12 15:00
III 27 07:42	II 4 10:23	II 14 00:57	III 26 13:53	II 2 12:35	II 12 02:35	III 26 22:26	II 1 20:10	III 13 10:04	III 28 05:00	II 5 10:27	II 14 21:01
III 29 10:47	II 6 16:17	II 16 06:13	III 28 17:26	II 4 21:31	II 14 09:44	III 29 00:59	II 4 04:27	III 15 17:02	III 30 04:59	II 7 14:12	II 17 00:03
III 31 12:47	II 8 20:01	II 18 08:47	III 30 18:16	II 7 03:02	II 16 13:27	III 31 01:02	II 6 08:51	III 17 20:03		II 9 15:26	II 19 01:41
	II 10 21:45	II 20 09:24		II 9 05:14	II 18 14:13		II 8 09:57	III 19 20:18	Nov. -58j	II 11 16:05	II 21 03:30
Feb. -62j	II 12 22:32	II 22 09:41	Sept. -61j	II 11 05:16	II 20 13:40	Apr. -59j	II 10 09:20	III 21 19:45	II 1 05:26	III 13 17:47	II 23 06:27
II 2 14:39	II 15 00:04	II 24 11:37	II 1 17:59	II 13 04:55	II 22 13:41	II 2 00:21	II 12 09:06	III 23 20:29	II 3 08:02	III 15 21:30	II 25 10:57
II 4 17:54	II 17 04:12	II 26 16:54	II 3 18:32	II 15 06:05	II 24 16:07	II 4 00:55	II 14 11:12	III 26 00:08	II 5 13:29	III 18 03:29	II 27 17:10
II 7 00:09	II 19 12:10		II 5 21:47	II 17 10:23	II 26 22:12	II 6 04:31	II 16 16:54	III 28 07:13	II 7 21:33	III 20 11:35	II 30 01:22
II 9 10:07	II 21 23:37	March -61j	II 8 04:50	II 19 18:32	II 29 07:59	II 8 12:01	II 19 02:10	III 30 17:09	II 10 07:35	II 22 21:44	
II 11 22:43	II 24 12:22	II 1 02:05	II 10 15:24	II 22 05:53		II 10 22:57	II 21 13:49		II 12 19:10	II 25 09:46	Dec. -57j
II 14 11:15	II 27 00:01	II 3 14:05	II 13 03:50	II 24 18:45	Oct. -60j	II 13 11:43	II 24 02:27	May -58j	II 15 07:52	II 27 22:49	II 2 11:53
II 16 21:25	II 29 09:19	II 6 02:42	II 15 16:15	II 27 07:18	II 1 20:17	II 16 00:39	II 26 15:02	II 3 04:50	II 17 20:31	II 30 10:51	II 5 00:24
II 19 04:34	II 31 16:21	II 8 14:01	II 18 03:20	II 29 18:18	II 4 09:18	II 18 12:33	II 29 02:41	II 5 17:22	II 20 07:03		II 7 13:19
II 21 09:28		II 10 23:16	II 20 12:32		II 6 21:34	II 20 22:36	II 31 12:12	II 8 05:56	II 22 13:40	June -57j	II 10 00:14
II 23 13:08	Sept. -62j	II 13 06:27	II 22 19:33	Apr. -60j	II 9 08:08	II 23 05:58		II 10 17:15	II 24 16:10	II 1 19:40	II 12 07:20
II 25 16:17	II 2 21:41	II 15 11:44	II 25 00:11	II 1 03:06	II 11 16:20	II 25 10:11	Nov. -59j	II 13 01:38	II 26 15:56	II 4 00:19	II 14 10:38
II 27 19:18	II 5 01:41	II 17 15:14	II 27 02:42	II 3 09:22	II 13 21:41	II 27 11:32	II 2 18:24	II 15 06:05	II 28 15:06	II 6 01:37	II 16 11:27
	II 7 04:35	II 19 17:22	II 29 03:54	II 5 13:04	II 16 00:13	II 29 11:14	II 4 20:57	II 17 07:02	II 30 15:51	II 8 01:21	II 18 11:39
March -62j	II 9 06:50	II 21 19:03		II 7 14:44	II 18 00:46		II 6 20:47	II 19 06:09		II 10 01:32	II 20 12:55
II 1 22:31	II 11 09:26	II 23 21:38	Oct. -61j	II 9 15:25	II 20 00:46	May -59j	II 8 19:49	II 21 05:40	Dec. -58j	II 12 03:48	II 22 16:28
II 4 02:47	II 13 13:46	II 26 02:34	II 1 05:07	II 11 16:37	II 22 02:07	II 1 11:07	II 10 20:20	II 23 07:40	II 2 19:43	II 14 08:59	II 24 22:46
II 6 09:14	II 15 21:09	II 28 10:46	II 3 07:59	II 13 19:57	II 24 06:35	II 3 13:16	II 13 00:15	II 25 13:26	II 5 03:09	II 16 17:11	II 27 07:40
II 8 18:42	II 18 07:48	II 30 21:59	II 5 13:51	II 16 02:43	II 26 15:07	II 5 19:16	II 15 08:24	II 27 22:52	II 7 13:25	II 19 03:47	II 29 18:45
II 11 06:49	II 20 20:24		II 7 23:17	II 18 13:07	II 29 02:59	II 8 05:19	II 17 19:52	II 30 10:39	II 10 01:23	II 21 16:04	
II 13 19:33	II 23 08:22	Apr. -61j	II 10 11:19	II 21 01:45	II 31 16:03	II 10 17:57	II 20 08:39		II 12 14:05	II 24 05:07	Jan. -56j
II 16 06:16	II 25 17:48	II 2 10:29	II 12 23:50	II 23 14:16		II 13 06:51	II 22 21:05	June -58j	II 15 02:40	II 26 17:32	II 1 07:18
II 18 13:33	II 28 00:13	II 4 21:59	II 15 10:46	II 26 00:52	Nov. -60j	II 15 18:25	II 25 08:23	II 1 23:18	II 17 13:49	II 29 03:28	II 3 20:17
II 20 17:45	II 30 04:23	II 7 06:59	II 17 19:12	II 28 08:57	II 3 04:05	II 18 04:06	II 27 18:05	II 4 11:44	II 19 21:59		II 6 07:59
II 22 20:09		II 9 13:19	II 20 01:16	II 30 14:46	II 5 14:01	II 20 11:44	II 30 01:27	II 6 23:07	II 22 02:17	July -57j	II 8 16:37
II 24 22:06	Oct. -62j	II 11 17:34	II 22 05:35		II 7 21:47	II 22 17:05		II 9 08:20	II 24 03:16	II 1 09:39	II 10 21:22
II 27 00:39	II 2 07:20	II 13 20:36	II 24 08:46	May -60j	II 10 03:37	II 24 20:02	Dec. -59j	II 11 14:18	II 26 02:33	II 3 12:06	II 12 22:47
II 29 04:22	II 5 09:58	II 15 23:12	II 26 11:23	II 2 18:53	II 12 07:36	II 26 21:03	II 2 05:50	II 13 16:47	II 28 02:16	II 5 12:05	II 14 22:22
II 31 09:39	II 6 12:56	II 18 02:03	II 28 14:06	II 4 21:45	II 14 09:55	II 28 21:29	II 4 07:20	II 15 16:47	II 30 04:21	II 7 11:28	II 16 22:05
	II 8 16:46	II 20 05:52	II 30 17:45	II 6 23:55	II 16 11:13	II 30 23:11	II 6 07:09	II 17 16:12		II 9 12:12	II 18 23:46
Apr. -62j	II 10 22:10	II 22 11:27		II 9 02:09	II 18 12:50		II 8 07:17	II 19 17:08	Jan. -57j	II 11 15:50	II 20 04:45
II 2 16:56	II 13 05:51	II 24 19:30	Nov. -61j	II 11 05:39	II 20 16:30	June -59j	II 10 09:50	II 21 21:22	II 1 10:07	II 13 23:05	II 23 13:21
II 5 02:39	II 15 16:10	II 27 06:11	II 1 23:27	II 13 11:45	II 22 23:44	II 2 04:00	II 12 16:21	II 24 05:33	II 3 19:35	II 16 09:34	II 26 00:47
II 7 14:35	II 18 04:30	II 29 18:32	II 4 08:03	II 15 21:15	II 25 10:43	II 4 12:52	II 15 02:48	II 26 16:53	II 6 07:32	II 18 22:03	II 28 13:35
II 10 03:25	II 20 16:58		II 6 19:30	II 18 09:26	II 27 23:40	II 7 00:55	II 17 15:24	II 29 05:31	II 8 20:21	II 21 11:04	II 31 02:27
II 12 14:54	II 23 03:14	May -61j	II 9 08:10	II 20 22:06	II 30 11:48	II 9 13:46	II 20 03:51		II 10 08:38	II 23 23:20	
II 14 23:07	II 25 10:01	II 2 06:28	II 11 19:32	II 23 08:43		II 12 01:10	II 22 14:44	July -58j	II 13 19:30	II 26 09:40	Feb. -56j
II 17 03:38	II 27 13:34	II 4 15:54	II 14 03:51	II 25 16:13	Dec. -60j	II 14 10:15	II 24 23:45	II 1 17:48	II 16 04:06	II 28 17:06	II 2 14:13
II 19 05:23	II 29 15:07	II 6 21:59	II 16 08:58	II 27 21:03	II 2 21:21	II 16 17:14	II 27 06:54	II 4 04:46	II 18 09:49	II 30 21:13	II 4 23:46
II 21 05:59	II 31 16:15	II 9 01:15	II 18 11:57	II 30 00:22	II 5 04:10	II 18 22:32	II 29 12:05	II 6 13:52	II 20 12:39		II 7 06:12
II 23 07:04		II 11 02:59	II 20 14:13		II 7 09:08	II 21 02:18	II 31 15:11	II 8 20:32	II 22 13:23	Aug. -57j	II 9 09:17
II 25 09:53	Nov. -62j	II 13 04:42	II 22 16:54	June -60j	II 9 13:03	II 23 04:44		II 10 00:27	II 24 13:32	II 1 22:33	II 11 09:45
II 27 15:11	II 2 18:21	II 15 07:32	II 24 20:36	II 1 03:13	II 11 16:19	II 25 06:29	Jan. -58j	II 13 02:01	II 26 14:54	II 3 22:22	II 13 09:10
II 29 23:08	II 4 22:22	II 17 12:07	II 27 01:33	II 3 06:12	II 13 19:09	II 27 08:49	II 2 16:41	II 15 02:28	II 28 19:08	II 5 22:28	II 15 09:30
	II 7 04:40	II 19 18:41	II 29 08:04	II 5 09:40	II 15 22:05	II 29 13:23	II 4 17:49	II 17 03:29	II 31 03:08	II 8 00:40	II 17 12:42
May -62j	II 9 13:13	II 22 03:17		II 7 14:08	II 18 02:15		II 6 20:20	II 19 06:50		II 10 06:25	II 19 19:57
II 2 09:27	II 11 23:49	II 24 13:56	Dec. -61j	II 9 20:29	II 20 09:02	July -59j	II 9 01:50	II 21 13:44	Feb. -57j	II 12 16:01	II 22 06:54
II 4 21:33	II 14 12:02	II 27 02:11	II 1 16:40	II 12 05:35	II 22 19:12	II 1 21:24	II 11 03:03	II 24 00:07	II 2 14:26	II 15 04:21	II 24 19:49
II 7 10:24	II 17 00:46	II 29 14:34	II 4 03:42	II 14 17:24	II 25 07:50	II 4 08:43	II 13 23:04	II 26 12:30	II 5 03:14	II 17 17:22	II 27 08:36
II 9 22:27	II 19 12:07		II 6 16:25	II 17 06:13	II 27 20:22	II 6 21:28	II 16 11:36	II 29 00:47	II 7 15:25	II 20 05:16	II 29 19:59
II 12 07:52	II 21 20:15	June -61j	II 9 04:33	II 19 17:22	II 30 06:14	II 9 09:01	II 18 22:30	II 31 11:22	II 10 01:41	II 22 15:12	
II 14 13:36	II 24 00:28	II 1 00:57	II 11 13:41	II 22 01:00		II 11 17:53	II 21 06:54		II 12 09:39	II 24 22:51	March -56j
II 16 15:52	II 26 01:33	II 3 07:42	II 13 18:51	II 24 05:13	Jan. -59j	II 14 00:03	II 23 13:02	Aug. -58j	II 14 15:26	II 27 04:07	II 3 05:27
II 18 15:57	II 28 01:15	II 5 10:48	II 15 20:52	II 26 07:21	II 1 12:40	II 16 04:22	II 25 17:29	II 2 19:43	II 16 19:18	II 29 07:08	II 5 12:40
II 20 15:40	II 30 01:32	II 7 11:31	II 17 21:34	II 28 09:04	II 3 16:28	II 18 10:30	II 27 20:48	II 5 01:55	II 18 21:41	II 31 08:25	II 7 17:19
II 22 16:53		II 9 11:47	II 19 22:49	II 30 11:33	II 5 19:05	II 20 10:30	II 29 23:27	II 7 06:13	II 20 23:18		II 9 19:28
II 24 21:03	Dec. -62j	II 11 13:23	II 22								

with clock times in UT/GMT. The year -56 astronomical counting style corresponds to year 057 B.C.E historical counting style.

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

with clock times in UT/GMT. The year -50 astronomical counting style corresponds to year 051 B.C.E historical counting style.

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

[illegible]

with clock times in UT/GMT. The year -37 astronomical counting style corresponds to year 038 B.C.E historical counting style.

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

with clock times in UT/GMT. The year -31 astronomical counting style corresponds to year 032 B.C.E historical counting style.

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

with clock times in UT/GMT. The year -24 astronomical counting style corresponds to year 025 B.C.E historical counting style.

Jan. -24j II 2 20:13 III 5 01:01 III 7 03:01 III 9 04:01 III 11 05:44 III 13 09:13 III 15 14:43 III 17 22:06 III 20 07:18 III 22 18:30 III 25 07:15 III 27 19:50 III 30 05:45	July -24j II 14 07:08 III 16 11:14 III 18 13:36 III 20 15:43 III 22 18:33 III 24 22:31 III 27 03:49 III 29 10:52 III 31 20:18	Jan. -23j II 23 19:08 III 25 23:05 III 28 01:59 III 30 04:49	Aug. -23j II 3 00:25 III 5 06:38 III 7 11:10 III 9 14:39 III 11 17:29 III 13 20:09 III 15 23:31 III 18 04:43 III 20 12:48 III 22 23:52 III 25 12:30 III 28 00:16 III 30 09:13	Feb. -22j II 12 13:50 III 14 20:05 III 17 00:38 III 19 03:53 III 21 06:20 III 23 08:43 III 25 12:12 III 27 17:57	Aug. -22j II 25 02:48 III 27 09:02 III 29 13:15 III 31 15:48	March -21j II 1 22:42 III 4 08:55 III 6 16:53 III 8 22:34 III 11 02:11 III 13 04:12 III 15 05:29 III 17 07:21 III 19 11:18 III 21 18:35 III 24 05:18 III 26 18:00 III 29 06:12 III 31 16:04	Sept. -21j II 11 12:37 III 13 22:32 III 16 06:06 III 18 11:08 III 20 13:44 III 22 14:35 III 24 15:02 III 26 16:51 III 28 21:45	March -20j II 23 03:22 III 25 12:46 III 27 19:45 III 29 23:56	Oct. -20j II 2 17:26 III 5 02:30 III 7 08:24 III 9 10:52 III 11 10:46 III 13 09:58 III 15 10:42 III 17 14:54 III 19 23:24 III 22 11:11 III 25 00:05 III 27 12:17 III 29 23:04	Apr. -19j II 14 08:01 III 16 16:06 III 18 20:27 III 20 21:25 III 22 20:37 III 24 20:15 III 26 22:25 III 29 04:26	Oct. -19j II 24 21:57 III 27 04:11 III 29 06:24 III 31 05:58	Nov. -19j II 2 05:00 III 4 05:44 III 6 09:45 III 8 17:32 III 11 04:16 III 13 16:36 III 16 05:22 III 18 17:40 III 21 04:20 III 23 12:03 III 25 16:09 III 27 17:09 III 29 16:35	May -19j II 1 14:10 III 4 02:14 III 6 14:51 III 9 02:55 III 11 13:41 III 13 22:20 III 16 04:01 III 18 06:36 III 20 06:57 III 22 06:49 III 24 08:12 III 26 12:49 III 28 21:19 III 31 08:49	Dec. -19j II 1 16:30 III 3 18:51 III 6 00:54 III 8 10:42 III 10 22:57 III 13 11:46 III 15 23:41 III 18 09:53 III 20 17:51 III 22 23:13 III 25 02:03 III 27 03:06 III 29 03:43 III 31 05:34	Jan. -18j II 2 10:14 III 4 18:37 III 7 06:11 III 9 19:00 III 12 06:50 III 14 16:23 III 16 23:31 III 19 04:38 III 21 08:16 III 23 10:52 III 25 13:03 III 27 15:45 III 29 20:14	Feb. -18j II 1 03:39 III 3 14:19 III 6 02:59 III 8 15:04 III 11 00:31 III 13 06:49 III 15 10:47 III 17 13:40 III 19 16:28 III 21 19:44 III 23 23:46 III 26 05:06 III 28 12:32	March -18j II 2 22:42 III 5 11:05 III 7 23:37 III 10 09:40 III 12 15:57 III 14 19:03 III 16 20:34 III 18 22:11 III 21 01:05 III 23 05:41 III 25 12:00 III 27 20:09 III 30 06:26	Apr. -18j II 1 18:41 III 4 07:33 III 6 18:33 III 9 01:45 III 11 05:01 III 13 05:45 III 15 05:55 III 17 07:21 III 19 11:09 III 21 17:35 III 24 02:21 III 26 13:07 III 29 01:28	Oct. -19j II 24 21:57 III 27 04:11 III 29 06:24 III 31 05:58	Nov. -19j II 2 05:00 III 4 05:44 III 6 09:45 III 8 17:32 III 11 04:16 III 13 16:36 III 16 05:22 III 18 17:40 III 21 04:20 III 23 12:03 III 25 16:09 III 27 17:09 III 29 16:35	Dec. -19j II 1 16:30 III 3 18:51 III 6 00:54 III 8 10:42 III 10 22:57 III 13 11:46 III 15 23:41 III 18 09:53 III 20 17:51 III 22 23:13 III 25 02:03 III 27 03:06 III 29 03:43 III 31 05:34	Jan. -18j II 2 10:14 III 4 18:37 III 7 06:11 III 9 19:00 III 12 06:50 III 14 16:23 III 16 23:31 III 19 04:38 III 21 08:16 III 23 10:52 III 25 13:03 III 27 15:45 III 29 20:14	Feb. -18j II 1 03:39 III 3 14:19 III 6 02:59 III 8 15:04 III 11 00:31 III 13 06:49 III 15 10:47 III 17 13:40 III 19 16:28 III 21 19:44 III 23 23:46 III 26 05:06 III 28 12:32	March -18j II 2 22:42 III 5 11:05 III 7 23:37 III 10 09:40 III 12 15:57 III 14 19:03 III 16 20:34 III 18 22:11 III 21 01:05 III 23 05:41 III 25 12:00 III 27 20:09 III 30 06:26	Apr. -18j II 1 18:41 III 4 07:33 III 6 18:33 III 9 01:45 III 11 05:01 III 13 05:45 III 15 05:55 III 17 07:21 III 19 11:09 III 21 17:35 III 24 02:21 III 26 13:07 III 29 01:28
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with clock times in UT/GMT. The year -18 astronomical counting style corresponds to year 019 B.C.E historical counting style.

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

with clock times in UT/GMT. The year -12 astronomical counting style corresponds to year 013 B.C.E historical counting style.

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

with clock times in UT/GMT. The year -05 astronomical counting style corresponds to year 006 B.C.E historical counting style.

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