

Jan. -200j	July -200j	Jan. -199j	Aug. -199j	Feb. -198j	Aug. -198j	March -197j	Sept. -197j	March -196j	Oct. -196j	Apr. -195j	Oct. -195j
0 1 07:29	0 12 19:57	0 22 09:41	0 1 14:48	0 11 05:38	0 23 19:35	0 3 00:29	0 12 14:17	0 24 04:18	0 1 08:05	0 12 21:55	0 23 10:06
0 3 13:52	0 15 02:35	0 24 16:27	0 3 23:32	0 13 13:45	0 26 02:34	0 5 09:34	0 14 22:14	0 26 11:03	0 3 16:55	0 15 05:06	0 25 15:20
0 5 18:29	0 17 07:36	0 26 21:15	0 6 05:47	0 15 19:01	0 28 06:16	0 7 15:30	0 17 02:28	0 28 13:53	0 5 21:32	0 17 08:16	0 27 17:20
0 7 22:11	0 19 11:10	0 29 00:07	0 8 09:21	0 17 21:32	0 30 07:20	0 9 18:11	0 19 03:27	0 30 13:53	0 7 22:33	0 19 08:47	0 29 17:52
0 10 01:22	0 21 13:30	0 31 01:36	0 10 10:44	0 19 22:11	0 11 18:28	0 11 18:28	0 21 02:39	0 1 21:50	0 9 21:50	0 21 08:39	0 31 18:47
0 12 04:16	0 23 15:18	0 0 15:58	0 12 11:11	0 21 22:31	Sept. -198j	0 13 17:57	0 23 02:11	Apr. -196j	0 11 21:38	0 23 09:46	0 23 09:46
0 14 07:26	0 25 17:56	Feb. -199j	0 14 12:29	0 24 00:16	0 1 07:06	0 15 18:38	0 25 04:09	0 1 12:59	0 13 23:53	0 25 13:26	Nov. -195j
0 16 12:02	0 27 23:00	0 2 02:58	0 16 16:20	0 26 05:02	0 3 07:23	0 17 22:22	0 27 09:59	0 3 13:24	0 16 05:33	0 27 20:21	0 2 21:24
0 18 19:21	0 30 07:36	0 4 05:56	0 18 23:48	0 28 13:32	0 5 10:00	0 20 06:10	0 29 19:46	0 5 16:59	0 18 14:24	0 30 05:06	0 5 02:20
0 21 05:58	0 0 11:59	0 6 11:59	0 21 10:38	0 0 11:59	0 7 16:19	0 22 17:31	0 0 11:59	0 8 00:27	0 21 01:25	0 0 11:59	0 7 09:38
0 23 23:45	Aug. -200j	0 8 21:41	0 23 23:09	March -198j	0 10 02:27	0 25 06:30	Oct. -197j	0 10 11:04	0 23 13:40	May -195j	0 9 19:07
0 26 07:01	0 1 19:20	0 11 09:53	0 26 11:13	0 3 01:09	0 12 15:03	0 27 19:08	0 2 08:02	0 12 23:19	0 26 02:27	0 2 16:10	0 12 06:37
0 28 16:24	0 4 08:04	0 13 22:17	0 28 21:24	0 5 13:57	0 15 03:58	0 30 06:12	0 4 20:56	0 15 11:55	0 28 14:45	0 5 04:38	0 14 19:32
0 30 22:21	0 6 19:15	0 16 08:49	0 31 05:20	0 8 01:53	0 17 15:34	0 0 11:59	0 7 09:12	0 18 00:02	0 31 00:52	0 7 17:34	0 17 08:23
0 0 11:59	0 9 03:36	0 18 16:48	0 0 11:59	0 10 11:45	0 20 01:06	0 0 11:59	0 9 20:09	0 20 10:43	0 0 11:59	0 10 05:15	0 19 18:59
Feb. -200j	0 11 09:20	0 20 22:32	Sept. -199j	0 12 19:17	0 22 08:22	0 1 15:15	0 12 05:02	0 22 18:44	Nov. -196j	0 12 13:47	0 22 04:30
0 2 01:48	0 13 13:21	0 23 02:40	0 2 11:10	0 15 00:39	0 24 13:20	0 3 22:02	0 14 10:59	0 24 23:12	0 2 07:15	0 14 18:17	0 24 04:30
0 4 04:12	0 15 16:31	0 25 05:46	0 4 15:13	0 17 04:13	0 26 16:09	0 6 02:16	0 16 13:43	0 27 00:23	0 4 09:39	0 16 19:23	0 26 04:43
0 6 06:43	0 17 19:22	0 27 08:22	0 6 17:54	0 19 06:28	0 28 17:22	0 8 04:08	0 18 13:55	0 28 23:44	0 6 09:18	0 18 18:50	0 28 04:15
0 8 09:56	0 19 22:21	0 0 11:59	0 8 19:53	0 21 08:10	0 30 18:12	0 10 04:32	0 20 13:19	0 30 23:25	0 8 08:17	0 20 18:41	0 30 04:59
0 10 14:11	0 22 02:11	March -199j	0 10 22:15	0 23 10:28	Oct. -198j	0 12 05:06	0 22 14:05	May -196j	0 10 08:51	0 22 20:44	Dec. -195j
0 12 19:53	0 24 07:51	0 1 11:10	0 12 02:12	0 25 14:45	0 2 20:17	0 14 07:47	0 24 18:13	0 3 01:31	0 12 12:42	0 25 02:04	0 2 08:24
0 15 03:42	0 26 16:15	0 3 15:07	0 15 08:56	0 27 22:11	0 5 01:18	0 16 14:10	0 27 02:40	0 5 07:29	0 14 20:27	0 27 10:46	0 4 15:10
0 17 14:09	0 29 03:29	0 5 21:18	0 17 18:52	0 30 08:57	0 7 10:12	0 19 00:33	0 29 14:28	0 7 17:16	0 17 07:18	0 29 22:03	0 7 00:59
0 20 02:42	0 31 16:12	0 8 06:23	0 20 07:03	0 0 11:59	0 9 22:18	0 21 13:18	0 24 01:54	0 10 05:25	0 19 19:46	0 22 08:28	0 12 05:57
0 22 15:24	Sept. -200j	0 10 18:03	0 22 19:22	Apr. -198j	0 12 11:16	0 26 12:35	Nov. -197j	0 12 18:02	0 22 08:30	June -195j	0 12 01:54
0 25 01:42	0 3 03:57	0 13 06:32	0 25 05:36	0 1 21:37	0 14 22:40	0 17 07:28	0 3 15:28	0 15 05:53	0 27 06:54	0 3 23:32	0 14 14:43
0 27 08:14	0 5 12:45	0 15 17:33	0 27 12:53	0 4 09:40	0 16 19:15	0 29 17:35	0 6 01:52	0 17 16:17	0 29 14:34	0 6 11:19	0 17 01:59
0 29 11:23	0 7 18:11	0 20 06:36	0 29 17:35	0 6 19:15	0 18 11:59	0 0 11:59	0 8 10:29	0 20 00:39	0 8 20:42	0 8 20:42	0 19 10:16
March -200j	0 9 21:07	0 22 09:28	Oct. -199j	0 11 06:22	0 21 18:45	0 11 06:22	0 10 17:07	0 22 06:18	Dec. -196j	0 11 02:42	0 21 14:52
0 2 12:35	0 11 22:55	0 24 11:27	0 1 20:43	0 13 09:37	0 23 22:26	0 3 08:13	0 12 21:24	0 24 09:05	0 1 18:51	0 13 05:18	0 23 16:14
0 4 13:31	0 14 00:51	0 26 13:42	0 3 23:22	0 15 12:27	0 25 01:13	0 5 11:23	0 14 23:24	0 26 09:44	0 3 20:07	0 15 05:33	0 25 15:44
0 6 15:34	0 16 03:52	0 28 17:10	0 5 02:16	0 17 15:24	0 27 03:32	0 7 13:15	0 17 00:01	0 28 09:52	0 5 19:49	0 17 05:10	0 27 15:17
0 8 19:35	0 18 08:32	0 30 22:14	0 8 05:59	0 19 18:55	0 29 06:21	0 9 14:47	0 19 00:58	0 30 11:27	0 7 19:53	0 19 06:03	0 29 16:51
0 11 01:53	0 20 15:13	0 0 11:59	0 10 10:59	0 21 23:48	0 0 11:59	0 11 17:33	0 21 04:14	0 0 11:59	0 9 22:15	0 21 09:49	0 31 21:56
0 13 10:32	0 23 00:09	Apr. -199j	0 12 17:56	0 24 07:01	Nov. -198j	0 13 23:12	0 23 11:14	June -196j	0 12 04:16	0 23 17:20	Jan. -194j
0 15 21:23	0 25 11:19	0 2 05:16	0 15 03:25	0 26 17:11	0 1 11:04	0 16 08:36	0 25 22:02	0 1 16:09	0 14 14:04	0 26 04:11	0 3 06:58
0 18 09:55	0 27 23:57	0 4 14:33	0 17 15:15	0 29 05:36	0 3 19:03	0 18 20:52	0 28 10:44	0 4 00:42	0 17 02:20	0 28 16:53	0 5 18:59
0 20 22:50	0 30 12:18	0 7 01:57	0 20 03:52	0 0 11:59	0 6 06:24	0 21 09:30	0 30 22:53	0 6 12:15	0 19 15:04	0 22 02:43	0 8 08:05
0 23 10:05	Oct. -200j	0 9 14:30	0 22 14:50	May -198j	0 8 19:22	0 23 20:10	Dec. -197j	0 9 00:49	0 22 02:43	July -195j	0 8 08:05
0 25 17:55	0 2 22:14	0 12 02:14	0 24 22:21	0 1 18:02	0 11 07:05	0 26 04:02	0 3 08:53	0 11 12:31	0 25 22:02	0 1 05:36	0 10 20:40
0 27 21:54	0 4 04:28	0 14 11:07	0 27 02:21	0 4 03:57	0 13 15:42	0 28 09:34	0 5 16:38	0 13 22:22	0 26 20:08	0 3 17:02	0 13 07:43
0 29 22:57	0 6 07:14	0 16 16:19	0 30 04:07	0 6 10:18	0 15 21:13	0 30 13:39	0 7 22:32	0 16 06:29	0 29 01:22	0 6 02:22	0 15 16:36
0 31 22:46	0 7 07:53	0 18 18:26	0 0 11:59	0 8 13:45	0 18 00:50	0 0 11:59	0 8 10:29	0 18 11:52	0 31 04:22	0 8 09:08	0 17 22:44
Apr. -200j	0 9 07:53	0 20 19:03	Nov. -199j	0 10 15:47	0 20 03:47	June -197j	0 10 08:07	0 22 06:18	Jan. -195j	0 10 13:13	0 20 01:57
0 2 23:09	0 11 08:11	0 22 19:56	0 12 17:52	0 22 17:52	0 22 06:51	0 1 16:55	0 12 06:06	0 22 17:41	0 2 05:47	0 12 15:02	0 22 02:49
0 5 01:42	0 13 09:48	0 24 22:35	0 14 20:56	0 14 20:56	0 24 10:19	0 3 19:43	0 14 08:21	0 24 19:07	0 4 06:48	0 14 15:36	0 24 02:40
0 7 07:23	0 15 13:59	0 27 03:48	0 16 17:45	0 16 17:45	0 26 14:58	0 5 22:32	0 16 10:39	0 26 21:17	0 6 08:59	0 16 16:25	0 26 03:21
0 9 16:15	0 17 21:05	0 29 11:35	0 19 07:12	0 19 07:12	0 28 19:59	0 8 02:15	0 18 14:20	0 29 01:38	0 8 13:50	0 18 19:12	0 28 06:49
0 12 03:35	0 20 06:46	May -199j	0 21 14:56	0 21 14:56	Dec. -198j	0 10 08:07	0 20 20:47	0 20 20:47	0 10 13:13	0 20 21:02	0 30 14:20
0 14 16:19	0 22 18:18	0 1 21:30	0 23 22:59	0 23 22:59	0 1 03:55	0 12 17:03	0 25 18:50	0 25 18:50	0 12 22:16	0 23 11:17	Feb. -194j
0 16 19:54	0 25 06:53	0 4 09:03	0 16 11:47	0 16 11:47	0 3 14:45	0 15 04:49	0 28 07:12	0 28 07:12	0 14 14:04	0 25 23:45	0 2 01:38
0 19 16:58	0 27 19:30	0 6 21:37	0 18 23:42	0 18 23:42	0 6 03:36	0 17 17:34	0 30 17:29	0 30 17:29	0 15 22:35	0 28 12:27	0 4 14:42
0 22 02:03	0 30 06:31	0 9 09:54	0 21 08:25	0 21 08:25	0 8 15:55	0 20 04:41	0 0 11:59	0 8 20:14	0 18 10:13	0 30 23:29	0 7 03:11
0 24 07:35	Nov. -200j	0 11 19:59	0 23 12:57	0 23 12:57	0 11 01:14	0 22 12:37	Jan. -196j	0 11 05:50	0 20 19:24	0 23 02:43	0 9 13:42
0 26 09:41	0 1 14:20	0 14 02:18	0 25 14:09	0 25 14:09	0 13 06:44	0 24 17:30	0 2 00:48	0 13 12:49	0 25 06:03	0 26 08:44	0 11 22:04
0 28 09:33	0 3 18:16	0 16 04:48	0 27 13:58	0 27 13:58	0 15 09:22	0 26 20:25	0 4 05:34	0 15 17:36	0 27 10:11	0 4 14:34	0 14 04:27
0 30 08:57	0 5 19:00	0 18 04:47	0 29 14:30	0 29 14:30	0 17 10:49	0 28 22:37	0 6 08:48	0 17 20:57	0 29 15:30	0 16 08:54	0 16 08:54
May -200j	0 7 18:15	0 20 04:16	Dec. -199j	0 11 02:37	0 19 12:35	July -197j	0 10 14:15	0 22 02:17	Feb. -195j	0 18 19:27	0 18 11:29
0 2 09:53	0 11 20:35	0 22 05:21	0 1 17:22	0 1 17:22	0 21 15:40	0 1 01:05	0 12 17:48	0 24 05:41	0 2 18:43	0 20 12:45	0 22 13:58
0 4 14:01	0 13 09:48	0 24 22:35	0 3 23:12	0 3 23:12	0 23 20:26	0 3 04:26	0 14 22:44	0 26 21:17	0 4 23:38	0 22 13:58	0 24 16:54
0 6 22:05	0 15 13:59	0 27 03:48	0 6 17:45	0 6 17:45	0 26 14:58	0 5 22:32	0 16 10:39	0 28 18:03	0 6 08:59	0 26 03:21	0 28 06:49
0 9 09:24	0 17 21:05	0 29 11:35	0 19 07:12	0 19 07:12	0 28 19:59	0 8 02:15	0 18 14:20	0 30 17:29	0 8 13:50	0 30 23:29	0 7 03:11
0 11 22:18	0 20 06:46	May -199j	0 21 14:56	0 21 14:56	Dec. -198j	0 10 08:07	0 20 20:47	0 20 20:47	0 10 13:13	0 20 21:02	0 30 14:20
0 14 16:19	0 22 18:18	0 1 21:30	0 23 22:59	0 23 22:59	0 1 03:55	0 12 17:03	0 25 18:50	0 25 18:50	0 12 22:16	0 23 11:17	Feb. -194j
0 16 19:54	0 25 06:53	0 4 09:03	0 16 11:47	0 16 11:47	0 3 14:45	0 15 04:49	0 28 07:12	0 28 07:12	0 14 14:04	0 25 23:45	0 2 01:38
0 19 16:58	0 27 19:30	0 6 21:37	0 18 23:42	0 18 23:42	0 6 03:36	0 17 17:34	0 30 17:29	0 30 17:29	0 15 22:35	0 28 12:27	0 4 14:42
0 22 02:03	0 30 06:31	0 9 09:54	0 21 08:25	0 21 08:25	0 8 15:55	0 20 04:41	0 0 11:59	0 8 20:14	0 18 10:13	0 30 23:29	0 7 03:11
0 24 07:35	Nov. -200j	0 11 19:59	0 23 12:57	0 23 12:57	0 11 01:14	0 22 12:37					

with clock times in UT/GMT. The year -194 astronomical counting style corresponds to year 195 B.C.E historical counting style.

May -194j	Nov. -194j	May -193j	Dec. -193j	June -192j	Dec. -192j	July -191j	Jan. -190j	July -190j	Feb. -189j	Aug. -189j	Feb. -188j
2 14:02	12 02:21	14 14:50	1 18:48	12 08:01	22 21:16	2 00:57	11 15:02	24 05:15	2 20:16	15 10:16	25 00:07
4 21:57	14 09:04	16 21:07	4 03:17	14 15:55	25 04:41	4 10:28	14 00:32	26 14:42	5 04:59	17 17:26	27 06:02
7 02:23	16 12:56	18 00:57	6 08:56	16 21:24	27 10:16	6 18:00	16 08:05	28 21:23	7 10:24	19 20:56	29 08:29
9 04:28	18 15:08	20 03:27	8 12:39	19 01:20	29 14:30	8 23:38	18 13:15	31 00:51	9 12:34	21 21:35	
11 05:44	20 17:01	22 05:43	10 15:32	21 04:25	31 17:35	11 03:16	20 15:52		11 12:38	23 21:01	March -188j
13 07:32	22 19:38	24 05:32	12 18:23	23 07:07		13 05:07	22 16:39	Aug. -190j	13 12:23	25 21:08	2 08:31
15 10:48	24 23:40	26 05:32	14 21:45	25 09:56	Jan. -191j	15 06:08	24 17:09	2 01:43	15 13:45	27 23:45	4 07:54
17 16:05	27 05:32	29 13:30	16 02:03	27 13:44	2 19:49	17 07:54	26 19:20	4 01:29	17 18:20	30 06:01	6 08:36
19 23:37	29 13:30		18 07:56	29 19:41	4 22:01	19 12:14	29 00:53	6 02:10	20 02:46		8 12:22
22 09:28			21 16:13		7 01:39	21 20:23	31 10:22	8 05:36	22 14:16	Sept. -189j	10 20:03
24 21:21	Dec. -194j		24 03:12	July -192j	9 08:15	24 07:55		10 12:52	25 03:04	1 15:59	13 07:08
27 10:12	1 23:43		26 15:51	2 04:43	11 18:29	26 20:45	Feb. -190j	12 23:37	27 15:22	4 04:22	15 19:58
29 22:08	4 11:51		29 03:48	4 16:35	14 07:11	29 08:18	2 22:34	15 12:07		6 17:24	18 08:49
	7 00:32		31 12:45	7 05:22	16 19:39	31 17:21	5 11:07	18 00:26	March -189j	9 05:34	20 20:31
June -194j	9 11:37		20 23:54	9 16:21	19 05:31		7 22:07	20 11:18	2 02:03	11 15:57	23 06:15
1 07:09	11 19:22		23 06:25	12 00:01	21 12:14	Aug. -191j	10 06:55	22 20:12	4 10:32	13 23:53	25 13:24
3 12:24	13 23:22		25 09:38	14 04:36	23 16:39	3 00:02	12 13:41	25 02:57	6 16:35	16 04:58	27 17:32
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11 16:54	22 05:06	July -193j	11 03:15	22 16:28		11 14:07	21 02:23		15 00:20	24 09:43	Apr. -188j
13 21:35	24 11:11	1 14:04	13 08:29	24 21:22	Feb. -191j	13 16:58	23 05:17	Sept. -190j	17 04:01	26 14:27	2 18:58
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18 15:44	29 06:45	6 01:12	18 00:13	29 12:55	5 10:26	18 05:13	27 19:07	4 15:38	21 21:41		7 03:29
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23 16:45		10 20:43	22 23:40	Aug. -192j	8 03:01	23 04:44	March -190j	9 07:30	26 22:37	1 11:08	12 02:22
26 05:01	Jan. -193j	13 08:54	25 12:15	1 00:30	10 15:20	25 16:39	2 06:34	11 19:38	29 08:53	4 00:10	14 15:12
28 15:07	3 07:40	15 21:31	27 22:21	3 13:25	13 04:06	28 01:51	4 19:07	14 08:02	31 16:34	6 12:05	17 02:31
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	8 04:47	20 16:11		8 09:22	17 21:34		9 14:58	19 02:54	Apr. -189j	11 05:18	21 19:04
July -194j	10 10:10	22 19:47		10 13:48	20 01:19	Sept. -191j	11 20:50	21 08:42	2 22:02	13 10:50	24 00:12
3 00:54	12 11:52	24 20:26	Feb. -192j	12 15:36	22 03:17	3 14:32	14 00:43	23 12:48	5 01:54	15 14:37	26 03:12
5 01:16	14 11:23	26 20:05	3 06:51	14 16:35	24 05:00	5 17:05	16 03:33	25 15:50	7 04:45	17 16:54	28 04:29
7 00:38	16 10:46	28 20:47	5 07:06	16 18:22	26 07:32	7 20:06	18 06:09	27 18:25	9 07:06	19 18:22	30 05:15
9 01:00	18 12:08	31 00:08	7 09:07	18 21:51	28 11:29	10 00:06	20 09:11	29 21:15	11 09:43	21 20:16	
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13 13:07	23 01:31	Aug. -193j	11 21:13	23 10:45	March -191j	14 13:42	24 19:19	Oct. -190j	15 20:09	26 07:46	2 07:16
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18 09:55	28 01:12	4 15:59	16 17:58	28 07:50	5 00:48	19 12:45	29 14:46	4 07:15	20 18:08	31 07:51	6 21:23
20 22:47	30 13:52	7 03:08	19 06:33	30 20:50	7 10:50	22 01:10		6 16:11	23 06:40		9 09:31
23 10:57		9 15:25	21 19:26		9 23:00	24 11:12	Apr. -190j	9 03:47	25 17:02	Nov. -189j	11 22:20
25 21:30	Feb. -193j	12 04:54	24 06:36	Sept. -192j	12 11:57	26 17:42	1 03:14	11 16:23	28 00:10	2 19:53	14 09:31
28 05:29	2 01:54	14 15:54	26 14:06	2 09:15	14 23:23	28 20:59	3 15:02	14 03:32	30 04:36	5 05:11	16 18:12
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	6 19:13	20 05:56		7 00:04	19 11:32		8 05:54	18 16:26		9 16:21	21 05:36
Aug. -194j	8 22:31	21 07:15	March -192j	9 01:53	21 12:56		10 08:47	20 19:12	May -189j	11 20:02	23 09:15
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5 11:05	14 21:41	27 07:33	5 17:15	15 04:05	27 17:04	5 01:34	16 14:35	27 03:41	8 16:56	18 05:26	29 16:40
7 12:47	16 17:00	29 12:49	7 20:19	17 08:49	29 22:35	7 05:41	18 19:23	29 08:52	10 21:53	20 09:55	31 21:35
9 18:14	19 07:52	31 21:42	9 12:49	19 16:26		9 12:09	21 02:19	31 15:43	13 04:42	22 16:59	
12 03:47	21 18:39		12 12:22	22 02:31	Apr. -191j	11 20:56	23 11:22		15 14:07	25 03:20	June -188j
14 16:06	24 07:14	Sept. -193j	15 00:00	24 14:26	1 06:51	14 07:47	25 22:23	Nov. -190j	18 02:04	27 16:03	3 05:53
17 04:58	26 19:53	3 09:02	17 12:43	27 04:34	3 17:29	16 20:10	28 10:47	3 00:40	20 14:52	30 04:30	5 17:23
19 16:50		5 21:29	20 01:33	30 16:06	6 05:49	19 08:52	30 23:08	5 11:54	23 01:51		8 06:09
22 03:04	March -193j	8 10:03	22 13:09	Oct. -192j	8 18:49	21 20:01		8 00:36	25 09:14	Dec. -189j	10 17:34
24 11:22	1 07:38	10 21:54	24 21:56	2 02:42	11 06:38	24 03:50	May -190j	10 12:33	27 13:06	2 14:10	13 02:04
26 17:19	3 17:54	13 07:47	27 02:54	4 09:40	13 16:06	26 07:49	3 09:18	12 21:27	29 14:50	4 20:17	15 07:47
28 20:36	6 01:54	15 14:25	29 04:26	6 12:46	15 21:37	28 08:47	5 15:49	15 02:22	31 16:12	6 23:46	17 11:38
30 21:38	8 06:50	17 17:22	31 03:58	8 13:05	17 23:40	30 08:27	7 18:40	17 04:11		9 02:07	19 14:38
	10 08:44	19 17:33		10 12:25	19 23:35		9 19:08	19 04:43	June -189j	11 04:36	21 17:26
Sept. -194j	12 08:39	21 16:48	Apr. -192j	12 12:45	21 23:11	Nov. -191j	11 19:10	21 05:53	13 07:52	15 12:10	23 20:29
1 21:46	14 08:31	23 17:18	2 03:31	14 15:45	24 00:22	1 08:49	13 20:37	23 09:02	15 12:10	17 17:49	26 00:23
3 22:56	16 10:25	25 20:53	4 05:01	16 22:22	26 04:35	3 11:34	16 00:48	25 14:38	19 01:27	20 01:27	28 06:02
6 03:06	18 15:59	28 04:25	6 09:52	19 08:21	28 12:26	5 17:40	18 07:59	27 22:24	21 05:53	22 11:38	30 14:19
8 11:21	21 01:34	30 15:16	8 18:28	21 20:34	30 23:19	8 02:54	20 17:39	30 08:00	23 05:02	25 00:05	July -188j
10 23:04	23 13:46		11 05:57	24 09:34		10 14:18	25 05:02		14 09:31	27 12:56	3 01:25
13 11:54	26 02:25	Oct. -193j	13 18:47	26 22:04	May -191j	13 02:47	27 17:29	Dec. -190j	16 22:31	29 23:34	5 14:08
15 23:38	28 13:54	3 03:47	16 07:27	29 08:58	3 11:56	15 15:28	28 06:05	2 19:19	19 10:19		8 02:05
18 09:16	30 23:36	5 16:15	18 18:49	31 17:11	6 00:55	18 03:12	30 17:14	5 07:58	21 18:43	Jan. -188j	10 11:07
20 16:53		8 03:40	21 03:57		8 13:01	20 12:30		7 20:34	23 23:00	1 06:23	12 16:43
22 22:48	Apr. -193j	10 13:22	23 10:09	Nov. -192j	10 23:06	22 18:11	June -190j	10 06:47	26 00:15	3 09:37	14 19:39
25 03:02	2 07:20	12 20:43	25 13:20	2 22:07	13 06:07	24 20:49	2 01:08	12 12:58	28 00:21	5 10:46	16 21:20
27 05:38	4 12:53	15 01:14	27 14:15	4 23:59	15 09:40	26 19:41	4 05:00	14 15:08	30 01:12	7 11:36	18 23:05
29 07:13	6 16:11	17 03:10	29 17:03	6 23:55	17 10:24	28 18:48	6 05:36	16 14:54		9 13:35	20 01:53
	8 17:40	19 03:37		8 23:39	19 09:47	30 19:43	8 04:45	18 14:27	July -189j	11 17:34	23 06:23
Oct. -194j	10 18:36	21 04:15	May -192j	11 01:07	21 09:47		10 04:42	20 15:49	2 04:09	13 23:49	25 12:58
1 09:06	12 20:38	23 06:53	1 15:14	13 05:59	23 12:23	Dec. -191j	12 07:20	22 20:17	4 09:44	16 08:19	27 21:51
3 12:58	15 01:24	25 12:56	3 18:45	15 14:54	25 18:54	3 00:11	14 13:38	25 03:57	6 17:51	18 18:58	30 08:59
5 20:14	17 09:46	27 22:40	5 01:55	18 02:56	28 05:16	5 08:42	16 23:16	27 14:05	9 04:07	21 07:22	
8 07:01	19 21:14	30 10:52	8 12:38	20 16:01	30 17						

with clock times in UT/GMT. The year -188 astronomical counting style corresponds to year 189 B.C.E historical counting style.

Sept. -188j	March -187j	Sept. -187j	Apr. -186j	Oct. -186j	Apr. -185j	Nov. -185j	May -184j	Nov. -184j	June -183j	Dec. -183j	June -182j
3 04:15	15 18:03	25 06:13	1 23:55	12 13:31	24 02:54	1 04:50	12 18:17	22 07:41	1 10:15	12 00:39	23 14:46
5 12:13	18 00:51	27 11:01	4 11:04	14 23:03	26 11:13	3 15:10	15 04:07	24 16:56	3 21:32	14 11:16	26 01:05
7 16:22	20 03:47	29 12:24	6 18:32	17 04:43	28 16:17	5 22:29	17 11:15	26 23:40	6 06:24	16 19:41	28 09:24
9 17:18	22 03:57		8 22:05	19 07:21	30 19:10	8 03:15	19 16:07	29 04:27	8 12:54	19 02:06	30 15:27
11 16:39	24 03:20	Oct. -187j	10 23:06	21 08:40		10 06:29	21 19:29		10 17:31	21 06:40	
13 16:26	26 04:03	1 12:11	12 23:32	23 10:18	May -185j	12 09:10	23 22:08	Dec. -184j	12 20:40	23 09:27	July -182j
15 18:36	28 07:45	3 12:30	15 01:08	25 13:17	2 21:14	14 11:59	26 00:47	1 07:56	14 22:52	25 10:56	2 18:59
18 00:24	30 15:01	5 15:04	17 04:57	27 18:02	4 23:35	16 15:32	28 04:08	3 10:42	17 00:51	27 12:15	4 20:20
20 09:52		7 20:41	19 11:12	30 00:35	7 02:52	18 20:23	30 09:02	5 13:19	19 03:45	29 15:05	6 20:38
22 21:46	Apr. -187j	10 05:04	21 19:37		9 07:33	21 03:16		7 16:34	21 08:57	31 21:07	8 21:43
25 10:34	2 01:13	12 15:28	24 05:59	Nov. -186j	11 14:07	23 12:45	June -184j	9 21:29	23 17:30		11 01:30
27 23:10	4 13:06	15 03:18	26 18:04	1 09:09	13 23:03	26 00:35	1 16:16	12 05:06	26 05:09	Jan. -182j	13 09:17
30 10:38	7 01:39	17 16:04	29 07:01	3 19:58	16 10:24	28 13:15	4 02:14	14 15:45	28 17:57	3 07:02	15 20:41
	9 14:02	20 04:35		6 08:38	18 23:11		6 14:17	17 04:18		5 19:41	18 09:35
Oct. -188j	12 01:06	22 14:53	May -186j	8 21:35	21 11:15	Dec. -185j	9 02:34	19 16:22	July -183j	8 08:20	20 21:33
2 19:51	14 09:19	24 21:17	1 18:57	11 08:19	23 20:27	1 00:26	11 12:51	22 01:44	1 05:19	10 18:46	23 07:20
5 01:47	16 13:44	26 23:34	4 03:40	13 15:07	26 01:58	3 08:22	13 19:54	24 07:46	3 13:45	13 02:23	25 14:59
7 04:11	18 14:44	28 23:09	6 08:15	15 18:03	28 04:24	5 12:50	15 23:54	26 11:15	5 19:19	15 07:50	27 20:51
9 04:01	20 13:55	30 22:13	8 09:26	17 18:33	30 05:16	7 14:50	18 02:02	28 13:36	7 23:04	17 12:01	30 01:07
11 03:08	22 13:28		10 09:04	19 18:34		9 15:55	20 03:44	30 16:04	10 02:05	19 15:27	
13 03:45	24 15:31	Nov. -187j	12 09:10	21 19:51	June -185j	11 17:35	22 06:13		12 05:00	21 18:20	Aug. -182j
15 07:49	26 21:25	1 22:58	14 11:26	23 23:34	1 06:10	13 20:57	24 10:15	Jan. -183j	14 08:14	23 21:05	1 03:51
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22 16:45	May -187j	8 21:17	21 11:59		7 20:11	20 20:26		6 05:55	21 02:02	30 15:43	7 11:10
25 05:10	1 19:00	11 09:26	24 00:19	Dec. -186j	10 05:47	22 08:12	July -184j	8 13:47	23 13:11		9 18:06
27 16:16	4 07:38	13 22:09	26 13:15	1 02:40	12 17:24	25 20:55	1 10:05	11 00:04	26 02:01	Feb. -182j	12 04:38
30 01:39	6 19:51	16 10:37	29 01:29	3 15:24	15 06:10	17 18:38	3 21:58	13 12:26	18 13:53	2 03:48	14 17:16
	9 06:53	18 21:35	31 11:16	6 04:26	17 18:38	20 04:56	6 10:32	16 01:02	20 22:34	4 16:39	17 05:23
Nov. -188j	11 15:50	21 05:33		8 16:02	20 04:56	22 11:41	8 21:41	18 11:17		7 03:29	19 15:05
1 08:45	13 21:42	23 09:41	June -186j	11 00:27	22 11:41	24 14:47	11 05:30	20 17:40	Aug. -183j	9 10:58	21 21:59
3 12:59	16 00:26	25 10:32	1 12:33	13 04:55	24 14:47	26 15:18	13 09:31	22 20:30	2 03:39	11 15:30	24 02:51
5 14:28	18 00:26	27 09:45	4 19:46	15 06:03	26 15:18	28 14:59	15 10:45	24 21:26	4 06:17	13 18:23	26 06:29
7 14:23	20 00:00	29 09:28	6 19:45	17 05:30	28 14:59	30 15:41	17 11:01	26 22:22	6 08:04	15 20:54	28 09:30
9 14:39	22 01:07		8 19:11	19 05:12	30 15:41		19 12:12	29 00:50	8 10:23	17 23:48	30 12:18
11 17:24	24 05:31	Dec. -187j	10 20:02	21 06:59	July -185j	12 08:00	21 15:40	31 05:29	10 13:53	20 03:28	Sept. -182j
14 00:08	26 13:54	1 11:42	12 23:50	23 12:12	2 18:59	14 16:10	23 21:52		12 18:48	22 08:17	1 15:31
16 10:49	29 01:23	3 17:44	15 07:15	25 21:03	5 01:44	17 02:47	26 06:29	Feb. -183j	15 01:20	24 14:55	3 20:04
18 23:35	31 13:59	6 03:28	17 17:52	28 08:40	7 11:38	19 14:52	28 16:59	2 12:17	17 09:56	27 00:06	6 03:03
21 11:58		8 15:37	20 06:20	30 21:37	9 23:37	21 13:38	31 04:55	4 20:59	19 20:58		8 13:03
23 22:37	June -187j	11 04:24	22 19:13		12 12:27	23 37:37	22 03:33	7 07:32	22 09:47	March -182j	10 11:21
26 07:17	3 02:03	13 16:32	25 07:15	Jan. -185j	15 00:57	17 11:55	24 15:52	9 19:49	24 22:18	1 11:51	13 13:49
28 14:09	5 12:38	16 03:11	27 17:19	4 22:11	17 11:55	19 20:05	27 02:20	12 08:44	27 07:57	4 00:47	16 00:04
30 19:10	7 21:19	18 11:36	30 00:32	7 07:34	21 20:05	22 00:41	29 09:26	14 20:05	29 13:33	6 12:21	18 06:59
	10 03:44	20 17:11		9 13:47	24 02:03	26 01:33	31 12:37	17 03:43	31 15:46	8 20:35	20 10:59
Dec. -188j	12 07:36	22 19:54	July -186j	11 16:41	28 02:03	30 02:48		19 10:10		11 01:07	22 13:16
2 22:16	14 09:19	24 20:36	1 20:43	13 17:03	31 01:07		Feb. -184j	21 07:40	Sept. -183j	13 03:06	24 15:10
4 23:52	16 09:59	26 20:49	4 05:55	15 16:30	28 01:07		2 12:44	23 07:14	2 16:19	15 04:07	26 17:42
7 01:10	18 11:17	28 22:21	6 05:54	17 16:57	30 02:48		4 11:42	25 07:57	4 17:06	17 05:41	28 21:34
9 03:53	20 14:57	31 02:50	8 06:15	19 20:19		Aug. -185j	6 11:45	27 11:17	6 19:31	19 08:49	
11 09:38	22 22:09		10 08:44	22 03:45		1 08:11	8 14:52	20 03:30	9 00:15	21 14:03	Oct. -182j
13 19:07	25 08:44	Jan. -186j	12 14:43	24 14:53	3 17:31	5 05:35	10 21:59	22 12:06	11 07:22	23 21:33	1 03:13
16 07:18	27 21:09	2 11:07	15 00:27	26 17:46	6 05:35	8 18:30	13 08:31	24 23:01	13 16:41	26 07:20	3 10:59
18 18:50	30 09:12	4 22:36	17 12:46	28 27:03	11 06:47	13 17:42	15 20:53	27 11:10	16 03:59	28 19:10	5 21:06
21 06:29		7 11:23	20 01:38	29 16:41	14 03:56	16 02:34	18 09:36	29 23:50	18 16:47	31 08:06	8 09:11
23 14:32	July -187j	9 23:24	22 13:17	Feb. -185j	17 06:47	19 08:41	20 21:46		21 05:41		10 21:55
25 20:19	2 19:25	12 09:24	24 22:53	1 03:56	21 06:47	22 11:52	23 08:36	Sept. -184j	23 16:30	Apr. -182j	13 09:08
28 00:34	5 03:21	14 17:08	27 06:11	3 13:10	24 22:53	26 12:36	25 16:58	1 12:03	25 23:32	2 20:20	15 17:03
30 03:51	7 09:10	16 22:44	29 11:11	5 20:10	28 08:41	31 00:31	27 21:55	3 22:19	28 02:34	5 05:45	17 17:15
	9 13:14	19 02:30	31 14:07	8 00:41	30 11:43		29 23:28	6 05:02	30 02:54	7 11:20	19 22:41
Jan. -187j	11 15:58	21 04:53	Aug. -186j	10 02:50	32 12:16			8 07:48	20 18:36	9 13:30	21 23:01
1 06:36	13 18:04	23 06:38	1 21:53	12 03:24	24 11:52		March -184j	10 07:42	22 17:59	11 13:43	23 23:59
3 09:25	15 20:29	25 08:52	4 16:35	14 03:54	26 12:36		2 22:55	12 06:44	14 17:31	13 13:45	25 03:02
5 13:14	18 00:29	27 12:57	6 18:45	16 06:15	28 16:27		4 22:21	14 07:08	26 19:06	15 15:18	28 08:52
7 19:11	20 07:08	29 20:07	8 23:39	18 12:10	30 00:31		6 23:58	16 10:44	29 00:03	17 19:37	30 17:25
10 04:03	22 16:56		10 08:14	20 22:09			9 05:24	18 18:14	31 08:31	20 03:07	
12 15:36	25 04:59	Feb. -186j	11 08:14	22 22:09		Sept. -185j	11 14:53	21 04:55	21 05:41	22 13:24	Nov. -182j
15 04:11	27 17:16	1 06:37	13 20:03	23 10:49		2 12:04	14 03:02	23 17:15	23 10:16	25 01:35	2 04:06
17 15:23	30 03:36	3 19:11	16 08:54	25 23:37		5 00:59	16 15:47	26 05:51	15 23:08	27 14:33	4 16:16
19 23:37		6 07:23	18 20:26	28 10:32		7 13:06	19 13:43	28 17:49	18 11:59	30 03:00	7 05:01
22 04:43	Aug. -187j	8 17:12	21 05:23			9 23:29	21 10:10		20 23:24		9 16:58
24 07:38	1 11:02	11 00:03	23 11:52	March -185j	12 08:02	14 14:39	23 22:42	Oct. -184j	23 07:53	May -182j	12 02:21
26 09:40	3 15:48	13 04:36	25 16:35	2 19:04	15 16:04		26 04:44	1 04:16	25 12:41	2 13:25	14 07:58
28 11:57	5 18:53	15 07:52	27 20:09	5 01:34	18 19:04		28 07:56	3 12:07	27 14:11	4 20:30	16 09:54
30 15:20	7 21:22	17 10:44	29 22:57	7 06:27	20 01:07		30 08:53	5 16:39	29 04:48	6 23:55	18 09:34
	10 00:07	19 13:45		9 09:51				7 18:08	31 13:22	9 00:30	20 08:57
Feb. -187j	12 03:45	21 17:21	Sept. -186j	11 12:00	22 22:06		Apr. -184j	9 17:55		10 23:51	22 10:10
1 20:19	14 08:46	23 22:12	1 01:24	13 13:42	25 23:07		1 09:02	11 17:56	Nov. -183j	12 23:57	2 12:36
4 03:15	16 15:47	26 05:13	3 04:22	15 16:20	28 02:14		3 10:19	13 20:11	2 14:52	15 02:38	4 11:16
6 12:23	19 01:16	28 15:04	5 09:07	17 21:35	30 06:30		5 14:32	16 02:04	4 19:47	17 09:03	6 23:19
8 23:40	21 13:01		7 16:56	20 06:30			7 22:39	18 11:43	7 04:35	19 19:08	

with clock times in UT/GMT. The year -181 astronomical counting style corresponds to year 182 B.C.E historical counting style.

Jan. -181j	July -181j	Jan. -180j	Aug. -180j	Feb. -179j	Aug. -179j	March -178j	Sept. -178j	March -177j	Oct. -177j	Apr. -176j	Oct. -176j
3 05:07	15 19:37	25 10:40	1 00:56	10 16:21	23 06:33	2 08:32	11 22:13	24 12:39	1 13:34	12 04:01	22 17:26
5 15:23	18 05:38	27 19:50	3 13:44	13 04:34	25 17:49	4 20:57	14 10:12	26 23:59	4 02:07	14 15:45	25 04:09
7 23:33	20 12:34	30 01:16	6 00:35	15 14:13	28 01:50	7 07:25	16 19:17	29 07:50	6 11:59	17 00:35	27 12:11
10 04:51	22 15:54		8 07:51	17 20:07	30 06:00	9 14:21	19 00:27	31 11:59	8 18:15	19 06:25	29 17:56
12 07:08	24 16:20	Feb. -180j	10 11:13	22 22:26		11 17:31	21 02:26		10 21:43	21 10:12	31 22:12
14 07:16	26 15:37	1 03:07	12 11:39	21 22:26	Sept. -179j	13 18:08	23 02:56	Apr. -177j	12 23:57	23 13:06	
16 07:05	28 15:54	3 02:45	14 10:59	23 21:58	1 07:09	15 18:02	25 03:53	2 13:44	15 02:17	25 15:53	Nov. -176j
18 08:42	30 19:06	5 02:09	16 11:09	25 22:55	3 06:52	17 19:10	27 06:44	4 14:52	17 05:29	27 19:00	3 01:33
20 13:56		7 03:23	18 13:54	28 02:50	5 07:06	19 22:59	29 12:08	6 16:56	19 09:49	29 22:57	5 04:23
22 23:18	Aug. -181j	9 07:58	20 20:10		7 09:33	22 05:56		8 20:47	21 15:29		7 07:14
25 11:28	2 02:16	11 16:21	23 05:53	March -179j	9 15:17	24 15:32	Oct. -178j	11 02:32	23 23:03	May -176j	9 10:59
28 00:10	4 12:54	14 03:42	25 17:57	2 10:22	12 00:16	27 02:53	1 19:51	13 10:08	26 09:07	2 04:29	11 16:49
30 11:38	7 01:22	16 16:25	28 06:57	4 21:03	14 11:37	29 15:16	4 05:30	15 19:43	28 21:31	4 12:29	14 01:36
	9 13:53	19 05:00	30 19:36	7 09:34	17 00:13		6 16:50	18 07:20	31 10:28	6 23:18	16 13:09
Feb. -181j	12 01:21	21 16:23		9 22:32	19 13:00	Apr. -178j	9 05:27	20 20:13		9 11:57	19 01:50
1 21:15	14 11:08	24 01:43	Sept. -180j	12 10:43	22 00:50	1 03:48	11 18:04	23 08:17	Nov. -177j	12 00:09	21 13:08
4 04:59	16 18:37	26 08:16	2 06:40	14 20:59	24 10:14	3 15:07	14 04:28	25 17:13	2 21:21	14 09:37	23 21:24
6 10:44	18 23:21	28 11:51	4 15:04	17 04:21	26 16:04	5 23:28	16 10:55	27 22:01	5 04:21	16 15:32	26 02:00
8 14:23	21 01:27		6 20:09	19 08:20	28 18:16	8 03:53	18 13:18	29 23:29	7 07:38	18 18:35	28 05:25
10 16:12	23 01:58	March -180j	8 22:08	21 09:24	30 17:57	10 04:52	20 13:07		9 08:42	20 20:11	30 07:26
12 17:16	25 02:32	1 13:02	10 22:08	23 08:57		12 04:06	22 12:31	May -177j	11 09:24	22 21:46	
14 19:11	27 05:00	3 13:11	12 21:53	25 08:51	Oct. -179j	14 03:46	24 13:37	1 23:30	13 11:16	25 00:23	Dec. -176j
16 23:41	29 10:48	5 14:02	14 23:16	27 11:06	2 17:04	16 05:56	26 17:49	4 00:02	15 15:11	27 04:43	2 09:43
19 07:48	31 20:19	7 17:18	17 03:53	29 17:09	4 17:47	18 11:47	29 01:22	6 02:37	17 21:24	29 11:07	4 13:04
21 19:09		10 00:10	19 12:28		6 21:54	20 21:10	31 11:29	8 07:57	20 05:49	31 19:49	6 17:59
24 07:45	Sept. -181j	12 10:37	22 00:16	Apr. -179j	9 06:06	23 08:49		10 15:56	22 16:22		9 00:51
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with clock times in UT/GMT. The year -175 astronomical counting style corresponds to year 176 B.C.E historical counting style.

May -175j ♈ 1 19:02 ♈ 4 07:13 ♈ 6 17:36 ♈ 9 01:38 ♈ 11 07:32 ♈ 13 11:42 ♈ 15 14:34 ♈ 17 16:45 ♈ 19 19:11 ♈ 21 23:03 ♈ 24 05:29 ♈ 26 14:59 ♈ 29 02:54 ♈ 31 15:14	Nov. -175j ♏ 11 08:52 ♏ 13 20:49 ♏ 16 06:51 ♏ 18 14:40 ♏ 20 20:25 ♏ 23 00:18 ♏ 25 02:46 ♏ 27 04:32 ♏ 29 06:45 Dec. -175j ♏ 11 04:58 ♏ 13 14:51 ♏ 15 21:48 ♏ 18 02:24 ♏ 20 05:40 ♏ 22 08:31 ♏ 24 11:34 ♏ 26 15:14 ♏ 28 20:08 ♏ 31 03:08 Jan. -174j ♏ 2 12:53 ♏ 5 01:01 ♏ 7 13:37 ♏ 10 00:06 ♏ 12 06:59 ♏ 14 10:38 ♏ 16 12:28 ♏ 18 14:09 ♏ 20 16:56 ♏ 22 21:19 ♏ 25 03:21 ♏ 27 11:07 ♏ 29 20:57 Feb. -174j ♏ 1 08:52 ♏ 3 21:45 ♏ 6 09:12 ♏ 8 17:02 ♏ 10 20:49 ♏ 12 21:46 ♏ 14 21:55 ♏ 16 23:09 ♏ 19 02:43 ♏ 21 08:55 ♏ 23 17:26 ♏ 26 03:49 ♏ 28 15:50 March -174j ♏ 3 04:47 ♏ 5 16:59 ♏ 8 02:13 ♏ 10 07:14 ♏ 12 08:36 ♏ 14 08:04 ♏ 16 07:47 ♏ 18 09:38 ♏ 20 14:41 ♏ 22 22:58 ♏ 25 09:44 ♏ 27 22:02 ♏ 30 10:58 Apr. -174j ♏ 1 23:21 ♏ 4 09:32 ♏ 6 16:09 ♏ 8 18:57 ♏ 10 19:03 ♏ 12 18:20 ♏ 14 18:49 ♏ 16 22:10 ♏ 19 05:12 ♏ 21 15:36 ♏ 24 04:01 ♏ 26 16:57 ♏ 29 05:05 May -174j ♏ 1 15:23 ♏ 3 22:57 ♏ 6 03:20 ♏ 8 04:59 ♏ 10 05:05 ♏ 12 05:20 ♏ 14 07:31 ♏ 16 13:03 ♏ 18 22:23 ♏ 21 10:29	May -174j ♏ 23 23:24 ♏ 26 11:14 ♏ 28 21:01 ♏ 31 04:27 June -174j ♏ 2 09:35 ♏ 4 12:40 ♏ 6 14:17 ♏ 8 15:26 ♏ 10 17:34 ♏ 12 22:11 ♏ 15 06:21 ♏ 17 17:49 ♏ 20 06:39 ♏ 22 18:26 ♏ 25 03:40 ♏ 27 10:17 ♏ 29 14:58 July -174j ♏ 1 18:27 ♏ 3 21:13 ♏ 5 23:46 ♏ 8 02:48 ♏ 10 07:30 ♏ 12 15:02 ♏ 15 01:49 ♏ 17 14:33 ♏ 20 02:37 ♏ 22 11:50 ♏ 24 17:45 ♏ 26 21:19 ♏ 28 23:56 ♏ 31 02:40 Aug. -174j ♏ 2 06:00 ♏ 4 10:13 ♏ 6 15:46 ♏ 8 23:28 ♏ 11 09:54 ♏ 13 22:31 ♏ 16 11:05 ♏ 18 20:59 ♏ 21 03:01 ♏ 23 05:51 ♏ 25 07:08 ♏ 27 08:35 ♏ 29 11:22 ♏ 31 15:57 Sept. -174j ♏ 1 05:57 ♏ 3 18:56 ♏ 6 05:55 ♏ 9 17:13 ♏ 12 16:51 ♏ 15 16:50 ♏ 18 16:50 ♏ 21 16:51 ♏ 24 16:50 ♏ 27 17:59 ♏ 29 27:13 ♏ 30 03:57 Oct. -174j ♏ 2 12:56 ♏ 5 00:03 ♏ 7 12:38 ♏ 10 01:41 ♏ 12 13:28 ♏ 14 22:07 ♏ 17 02:48 ♏ 19 04:05 ♏ 21 03:36 ♏ 23 03:18 ♏ 25 05:02 ♏ 27 10:04 ♏ 29 18:41 Nov. -174j ♏ 1 06:04 ♏ 3 18:53 ♏ 6 07:46 ♏ 8 19:34 ♏ 11 05:08 ♏ 13 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00:49 June -173j ♏ 1 00:17 ♏ 3 01:35 ♏ 5 06:24 ♏ 7 15:16 ♏ 10 03:11 July -173j ♏ 2 14:56 ♏ 4 22:27 ♏ 7 09:42 ♏ 9 22:39 ♏ 12 10:59 ♏ 14 21:31 ♏ 16 06:04 ♏ 19 12:40 ♏ 21 17:12 ♏ 23 19:39 ♏ 25 20:40 ♏ 27 21:43 ♏ 30 00:38 Aug. -173j ♏ 1 07:02 ♏ 3 17:17 ♏ 6 05:54 ♏ 8 18:17 ♏ 11 04:32 ♏ 13 12:20 ♏ 15 18:11 ♏ 17 22:37 ♏ 20 01:54 ♏ 22 04:20 ♏ 24 06:40 ♏ 26 10:10 ♏ 28 16:15 ♏ 31 01:43 Sept. -173j ♏ 2 13:52 ♏ 5 02:25 ♏ 7 12:58 ♏ 9 20:27 ♏ 12 01:19 ♏ 14 04:35 ♏ 16 07:16 ♏ 18 10:03 ♏ 20 13:29 ♏ 22 18:10 ♏ 25 00:52 ♏ 27 10:12 ♏ 29 21:58 Oct. -173j ♏ 2 10:41 ♏ 4 22:00 ♏ 7 06:07 ♏ 9 10:45 ♏ 11 12:53 ♏ 13 14:03 ♏ 15 15:41 ♏ 17 18:54 ♏ 20 00:17 ♏ 22 07:58 ♏ 24 17:49 ♏ 27 05:33 ♏ 29 18:17 Nov. -173j ♏ 1 06:21 ♏ 3 15:47 ♏ 5 21:25 ♏ 7 23:32 ♏ 9 23:35 ♏ 11 23:30 ♏ 14 01:08 ♏ 16 05:47 ♏ 18 13:43 ♏ 21 00:13 ♏ 23 12:15 ♏ 26 00:56 ♏ 28 13:17 ♏ 30 23:53 Dec. -173j ♏ 3 07:12 ♏ 5 10:40 ♏ 7 11:01 ♏ 9 10:02 ♏ 11 09:57 ♏ 13 12:46 ♏ 15 19:37 ♏ 18 06:01 ♏ 20 18:22	June -173j ♏ 12 16:12 ♏ 15 04:40 ♏ 17 15:41 ♏ 20 00:38 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09:48 ♏ 8 20:13 ♏ 11 03:18 ♏ 13 06:30 ♏ 15 06:40 ♏ 17 05:41 ♏ 19 05:49 ♏ 21 08:57 ♏ 23 16:02 ♏ 26 02:32 ♏ 28 14:52 ♏ 31 03:30 Aug. -172j ♏ 2 15:29 ♏ 5 01:59 ♏ 7 10:02 ♏ 9 14:51 ♏ 11 16:35 ♏ 13 16:28 ♏ 15 16:25 ♏ 17 18:25 ♏ 19 23:59 ♏ 22 09:23 ♏ 24 21:24 ♏ 27 10:01 ♏ 29 21:42 Sept. -172j ♏ 1 07:38 ♏ 3 15:30 ♏ 5 21:03 ♏ 8 00:17 ♏ 10 01:48 ♏ 12 02:47 ♏ 14 04:49 ♏ 16 09:28 ♏ 18 17:37 ♏ 21 04:54 ♏ 23 17:30 ♏ 26 05:11 ♏ 28 14:36 ♏ 30 21:31 Oct. -172j ♏ 3 02:26 ♏ 5 05:58 ♏ 7 08:40 ♏ 9 11:12 ♏ 11 14:22 ♏ 13 19:12 ♏ 16 02:43 ♏ 18 13:13 ♏ 21 01:40 ♏ 23 13:46 ♏ 25 23:19 ♏ 28 05:36 ♏ 30 09:16 Nov. -172j ♏ 1 11:39 ♏ 3 14:02 ♏ 5 17:16 ♏ 7 21:42 ♏ 10 03:36 ♏ 12 11:25 ♏ 14 21:35 ♏ 17 09:48 ♏ 19 22:25 ♏ 22 08:52 ♏ 24 15:33 ♏ 26 18:36 ♏ 28 19:35 ♏ 30 20:25 Dec. -172j ♏ 2 22:42 ♏ 5 03:15 ♏ 7 10:00 ♏ 9 18:40 ♏ 12 05:07 ♏ 14 17:14 ♏ 17 06:07 ♏ 19 17:40 ♏ 22 01:42 ♏ 24 05:28 ♏ 26 06:04 ♏ 28 05:32 ♏ 30 06:01 Jan. -171j ♏ 1 09:08 ♏ 3 15:28 ♏ 6 00:33 ♏ 8 11:33 Jan. -171j ♏ 10 23:49 ♏ 13 12:40 ♏ 16 00:47 ♏ 18 10:13 ♏ 20 15:39 ♏ 22 17:17 ♏ 24 16:42 ♏ 26 16:02 ♏ 28 17:20 ♏ 30 22:01 Feb. -171j ♏ 2 06:21 ♏ 4 17:27 ♏ 7 05:57 ♏ 9 18:43 ♏ 12 06:41 ♏ 14 16:41 ♏ 16 23:34 ♏ 19 02:59 ♏ 21 03:40 ♏ 23 03:15 ♏ 25 03:40 ♏ 27 06:44 March -171j ♏ 1 13:30 ♏ 3 23:51 ♏ 6 12:19 ♏ 9 01:04 ♏ 11 12:38 ♏ 13 22:15 ♏ 16 05:28 ♏ 18 10:08 ♏ 20 12:30 ♏ 22 13:27 ♏ 24 14:20 ♏ 26 16:48 ♏ 28 22:16 ♏ 31 07:25 Apr. -171j ♏ 2 19:27 ♏ 5 08:12 ♏ 7 19:34 ♏ 10 04:30 ♏ 12 11:02 ♏ 14 15:38 ♏ 16 18:53 ♏ 18 21:17 ♏ 20 23:29 ♏ 23 02:31 ♏ 25 07:39 ♏ 27 15:54 ♏ 30 03:16 May -171j ♏ 2 16:02 ♏ 5 03:35 ♏ 7 12:14 ♏ 9 17:51 ♏ 11 21:28 ♏ 14 00:15 ♏ 16 03:05 ♏ 18 06:24 ♏ 20 10:34 ♏ 22 16:16 ♏ 25 00:23 ♏ 27 11:18 ♏ 30 00:02 June -171j ♏ 1 12:06 ♏ 3 21:09 ♏ 6 02:30 ♏ 8 05:05 ♏ 10 06:36 ♏ 12 08:34 ♏ 14 11:51 ♏ 16 16:46 ♏ 18 23:22 ♏ 21 07:59 ♏ 23 18:53 ♏ 26 07:36 ♏ 28 20:15 July -171j ♏ 1 06:17 ♏ 3 12:17 ♏ 5 14:41 ♏ 7 15:09 ♏ 9 15:37 ♏ 11 17:40 ♏ 13 22:09 ♏ 16 05:08 ♏ 18 14:24 ♏ 21 01:39 Aug. -171j ♏ 2 01:10 ♏ 4 01:36 ♏ 6 01:04 ♏ 8 01:31 ♏ 10 04:29 ♏ 12 10:44 ♏ 14 20:06 ♏ 17 07:43 ♏ 19 20:34 ♏ 22 09:30 ♏ 24 21:06 ♏ 27 05:49 ♏ 29 10:49 ♏ 31 12:28 Sept. -171j ♏ 2 12:09 ♏ 4 11:42 ♏ 6 13:03 ♏ 8 17:41 ♏ 11 02:10 ♏ 13 13:43 ♏ 16 02:41 ♏ 18 15:25 ♏ 21 02:46 ♏ 23 11:56 ♏ 25 18:19 ♏ 27 21:47 ♏ 29 22:53 Oct. -171j ♏ 1 22:53 ♏ 3 23:33 ♏ 6 02:43 ♏ 8 09:41 ♏ 10 20:29 ♏ 13 09:22 ♏ 15 22:02 ♏ 18 08:51 ♏ 20 17:26 ♏ 22 23:56 ♏ 25 04:32 ♏ 27 07:22 ♏ 29 08:55 ♏ 31 10:16 Nov. -171j ♏ 2 13:01 ♏ 4 18:48 ♏ 7 04:26 ♏ 9 16:57 ♏ 12 05:43 ♏ 14 16:22 ♏ 17 00:10 ♏ 19 05:41 ♏ 21 09:52 ♏ 23 13:20 ♏ 25 16:18 ♏ 27 19:09 ♏ 29 22:43 Dec. -171j ♏ 2 04:23 ♏ 4 13:14 ♏ 7 01:08 ♏ 9 14:04 ♏ 12 01:11 ♏ 14 08:53 ♏ 16 13:29 ♏ 18 16:20 ♏ 20 18:48 ♏ 22 21:45 ♏ 25 01:30 ♏ 27 06:21 ♏ 29 12:51 ♏ 31 21:45 Jan. -170j ♏ 3 09:17 ♏ 5 22:16 ♏ 8 10:08 ♏ 10 18:41 ♏ 12 23:25 ♏ 15 01:23 ♏ 17 02:18 ♏ 19 03:47 ♏ 21 06:52 ♏ 23 12:04 ♏ 25 19:28 ♏ 28 05:04 ♏ 30 16:43 Feb. -170j ♏ 2 05:38 ♏ 4 18:04 ♏ 7 03:53 ♏ 9 09:49 ♏ 11 12:11 ♏ 13 12:24 ♏ 15 12:19 ♏ 17 13:40 ♏ 19 17:45 ♏ 22 01:02 ♏ 24 11:09 ♏ 26 23:13 March -170j ♏ 1 12:08 ♏ 3 11:21 ♏ 6 11:21 ♏ 8 18:50 ♏ 10 22:39 ♏ 12 23:30 ♏ 14 22:56 ♏ 16 22:52 ♏ 19 01:12 ♏ 21 07:13 ♏ 23 16:58 ♏ 26 05:13 ♏ 28 18:14 ♏ 31 06:35 Apr. -170j ♏ 2 17:21 ♏ 5 01:44 ♏ 7 07:09 ♏ 9 09:34 ♏ 11 09:49 ♏ 13 09:30 ♏ 15 10:38 ♏ 17 15:04 ♏ 19 23:39 ♏ 22 11:32 ♏ 25 00:34 ♏ 27 12:42 ♏ 29 23:01 May -170j ♏ 2 07:18 ♏ 4 13:27 ♏ 6 17:19 ♏ 8 19:05 ♏ 10 19:43 ♏ 12 20:49 ♏ 15 00:20 ♏ 17 07:39 ♏ 19 18:43 ♏ 22 07:34 ♏ 24 19:41 ♏ 27 05:33 ♏ 29 13:07 ♏ 31 18:50 June -170j ♏ 2 23:06 ♏ 5 02:04 ♏ 7 04:06 ♏ 9 06:11 ♏ 11 09:50 ♏ 13 16:30 ♏ 16 02:44 ♏ 18 15:16 ♏ 21 03:33 ♏ 23 13:26 ♏ 25 20:24 ♏ 28 01:08 ♏ 30 04:36 July -170j ♏ 2 07:31 ♏ 4 10:22 ♏ 6 13:40 ♏ 8 18:15 ♏ 11 01:09 ♏ 13 10:59 ♏ 15 23:14 ♏ 18 11:48 ♏ 20 22:17 ♏ 23 05:23 ♏ 25 09:26 ♏ 27 11:39 ♏ 29 13:23 ♏ 31 15:45 Aug. -170j ♏ 2 19:27 ♏ 5 00:58 ♏ 7 08:40 ♏ 9 18:45 ♏ 12 06:51 Sept. -170j ♏ 1 06:30 ♏ 3 14:50 ♏ 6 01:30 ♏ 8 13:43 ♏ 11 02:35 ♏ 13 14:38 ♏ 16 00:08 ♏ 18 05:55 ♏ 20 08:04 ♏ 22 07:51 ♏ 24 07:14 ♏ 26 08:14 ♏ 28 12:27 ♏ 30 20:27 Oct. -170j ♏ 3 07:25 ♏ 5 19:56 ♏ 8 08:44 ♏ 10 20:53 ♏ 13 07:17 ♏ 15 14:45 ♏ 17 18:35 ♏ 19 19:15 ♏ 21 18:21 ♏ 23 18:02 ♏ 25 20:27 ♏ 28 02:59 ♏ 30 13:26 Nov. -170j ♏ 2 02:03 ♏ 4 14:50 ♏ 7 02:38 ♏ 9 12:57 ♏ 11 21:15 ♏ 14 02:46 ♏ 16 05:16 ♏ 18 05:32 ♏ 20 05:16 ♏ 22 06:38 ♏ 24 11:31 ♏ 26 20:38 ♏ 29 08:47 Dec. -170j ♏ 1 21:36 ♏ 4 09:10 ♏ 6 18:50 ♏ 9 02:39 ♏ 11 08:36 ♏ 13 13:30 ♏ 15 14:32 ♏ 17 15:37 ♏ 19 17:21 ♏ 21 21:31 ♏ 24 05:21 ♏ 26 16:35 ♏ 29 05:16 ♏ 31 16:58 Jan. -169j ♏ 3 02:16 ♏ 5 09:08 ♏ 7 14:09 ♏ 9 17:54 ♏ 11 20:49 ♏ 13 23:23 ♏ 16 02:28 ♏ 18
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with clock times in UT/GMT. The year -169 astronomical counting style corresponds to year 170 B.C.E historical counting style.

Sept. -169j	March -168j	Sept. -168j	Apr. -167j	Oct. -167j	Apr. -166j	Nov. -166j	May -165j	Nov. -165j	June -164j	Dec. -164j	June -163j
3 10:52	15 01:14	24 14:39	1 03:45	11 17:28	23 07:54	2 21:54	15 12:43	25 03:36	3 05:48	13 20:45	25 11:17
5 22:53	17 12:46	27 00:57	3 16:35	14 06:10	25 20:19	5 10:09	18 01:03	27 15:35	5 18:34	16 09:13	27 23:44
8 08:13	19 21:07	29 07:59	6 04:38	16 17:19	28 07:15	7 20:57	20 11:39	30 01:42	8 06:08	18 20:31	30 10:23
10 13:57	22 02:02		8 14:04	19 02:09	30 16:11	10 05:47	22 19:54		10 15:34	21 05:19	
12 16:44	24 04:40	Oct. -168j	10 20:46	21 08:56		12 12:19	25 01:24	Dec. -165j	12 21:59	23 10:31	July -163j
14 18:07	26 06:35	1 12:28	13 01:32	23 14:08	May -166j	14 16:24	27 04:17	2 09:16	15 01:08	25 12:09	2 17:34
16 19:43	28 09:05	3 15:38	15 05:12	25 17:57	2 23:04	16 18:23	29 05:18	4 13:53	17 01:38	27 11:31	4 20:43
18 22:45	30 12:46	5 18:33	17 08:16	27 20:33	5 03:53	18 19:18	31 05:44	6 15:44	19 01:02	29 10:41	6 20:48
21 03:42		7 21:46	19 11:03	29 22:36	7 06:48	20 20:36		8 15:50	21 01:21	31 11:57	8 19:49
23 10:36	Apr. -168j	10 01:29	21 14:09		9 08:25	22 23:59	June -165j	10 15:52	23 04:36		10 20:01
25 19:23	1 17:51	12 06:10	23 18:38	Nov. -167j	11 09:56	25 06:41	2 07:15	12 17:46	25 11:57	Jan. -163j	12 23:13
28 06:08	4 00:32	14 12:44	26 01:41	1 01:17	13 12:51	27 16:55	4 11:27	14 23:14	27 23:01	2 17:01	15 06:14
30 18:33	6 09:16	16 22:05	28 12:01	3 06:08	15 18:34	30 05:21	6 19:22	17 08:48	30 11:55	5 02:11	17 16:29
	8 20:23	19 10:08		5 14:17	18 03:42		9 06:39	19 21:17		7 14:08	20 04:34
Oct. -169j	11 09:06	21 23:06	May -167j	8 01:37	20 15:29	Dec. -166j	11 19:32	22 10:17	July -164j	10 02:55	22 17:13
3 07:10	13 21:18	24 10:08	1 00:32	10 14:18	23 03:56	2 17:43	14 07:42	24 21:54	3 00:34	12 15:10	25 05:35
5 17:39	16 06:29	26 17:30	3 12:53	13 01:48	25 14:53	5 04:10	16 17:46	27 07:23	5 11:47	15 02:14	27 16:39
8 00:15	18 11:40	28 21:22	5 22:42	15 10:32	27 23:18	7 12:07	19 01:25	29 14:48	7 21:09	17 11:30	30 01:05
10 02:58	20 13:39	30 23:12	8 05:10	17 16:27	30 05:15	9 17:50	21 06:56	31 20:15	10 04:19	19 18:09	
12 03:15	22 14:16		10 08:59	19 20:23		11 21:55	23 10:43		12 08:56	21 21:36	Aug. -163j
14 03:13	24 15:20	Nov. -168j	12 11:28	21 23:21	June -166j	14 00:57	25 13:11	Jan. -164j	14 11:01	23 22:21	1 05:53
16 04:47	26 18:13	2 00:42	14 13:43	24 02:07	1 09:21	16 03:28	27 14:58	2 23:45	16 11:25	25 21:56	3 07:18
18 09:06	28 23:24	4 03:08	16 16:34	26 05:13	3 12:19	18 06:10	29 17:07	5 01:34	18 11:46	27 22:29	5 06:43
20 16:19		6 07:05	18 20:29	28 09:16	5 14:51	20 10:02		7 02:36	20 14:06	30 01:59	7 06:16
23 01:49	May -168j	8 12:44	21 02:00	30 15:01	7 17:39	22 16:14	July -165j	9 04:25	22 20:05		9 08:01
25 12:58	1 06:46	10 20:14	23 09:42		9 21:35	25 01:32	1 21:01	11 08:49	25 06:07	Feb. -163j	11 13:28
28 01:22	3 16:09	13 05:55	25 19:58	Dec. -167j	12 03:34	28 03:34	4 03:59	13 17:03	27 18:43	1 09:37	13 22:47
30 14:14	6 03:27	15 17:50	28 08:17	2 23:11	14 12:15	30 02:06	6 14:26	16 04:47	30 07:20	3 20:50	16 10:41
	8 16:12	18 06:56	30 20:57	5 10:01	16 23:32		9 03:06	18 17:48		6 09:33	18 23:22
Nov. -169j	11 04:51	20 18:55		7 22:34	19 11:59	Jan. -165j	11 15:24	21 05:25	Aug. -164j	8 21:44	21 11:28
2 01:48	13 15:09	23 03:31	June -167j	10 10:40	21 23:24	1 12:53	14 01:14	23 14:21	1 18:12	11 08:18	23 22:12
4 09:59	15 21:29	25 08:02	2 07:34	12 20:10	24 07:57	3 20:26	16 08:05	25 20:48	4 02:54	13 17:02	26 06:53
6 13:56	17 23:56	27 09:27	4 14:40	15 02:09	26 13:17	6 01:02	18 12:41	28 01:38	6 09:41	15 23:47	28 12:53
8 14:26	20 00:01	29 09:33	6 18:21	17 05:11	28 16:12	8 03:52	20 16:04	30 05:26	8 14:46	18 04:21	30 15:58
10 13:29	22 23:47		8 19:49	19 06:36	30 18:05	10 06:18	22 19:03		10 18:07	20 06:46	
12 13:19	24 01:05	Dec. -168j	10 20:40	21 07:59	July -166j	12 09:14	24 22:02	Feb. -164j	12 20:02	22 07:50	Sept. -163j
14 15:52	26 05:09	1 10:13	12 22:20	23 10:34	2 20:13	14 13:08	27 01:25	1 08:28	14 21:29	24 09:01	1 16:52
16 22:03	28 12:17	3 12:50	15 01:54	25 15:08	4 23:32	16 18:14	29 05:59	3 11:03	17 00:02	26 12:07	3 17:03
19 07:28	30 22:03	5 18:10	17 07:52	27 21:55	6 04:29	18 01:01	31 12:49	5 13:56	19 05:20	28 18:34	5 18:23
21 19:01		8 02:12	19 16:20	30 06:52	9 11:20	20 10:06		7 18:30	21 14:21		7 22:34
24 07:34	June -168j	10 12:34	22 03:01	Jan. -166j	11 20:16	23 21:39	Aug. -165j	10 02:05	22 14:21	March -163j	10 06:30
26 20:19	2 09:43	13 00:42	24 15:22	3 17:48	14 07:21	26 10:27	2 22:42	12 13:02	24 02:22	3 04:39	12 17:42
29 08:11	4 22:31	15 13:46	27 04:11	4 06:12	16 19:50	18 06:10	5 11:05	15 01:53	26 15:02	5 16:59	15 06:19
	7 11:17	18 02:15	29 15:38	6 18:45	19 07:53		7 23:43	17 13:52	28 01:38	8 05:16	17 18:19
Dec. -169j	9 22:22	20 12:14		9 05:26	21 17:18	Feb. -165j	10 09:57	19 22:54	10 02:05	10 15:40	20 04:28
1 17:40	12 06:05	22 18:23	July -167j	11 12:35	23 22:55	2 10:29	12 16:35	22 04:44	12 13:02	12 23:39	22 12:27
3 23:27	14 09:56	24 20:47	1 23:59	13 15:56	25 16:33	4 12:09	14 20:13	24 08:21	14 20:13	15 05:31	24 18:20
6 01:29	16 10:42	26 20:45	4 04:35	15 16:33	28 01:47	6 13:02	16 22:22	26 11:05	16 22:22	17 09:44	26 22:18
8 01:05	18 10:07	28 20:08	6 06:02	17 16:19	30 02:31	8 14:49	18 19:03	28 13:50	18 19:03	19 12:46	29 00:46
10 00:18	20 10:10		8 05:54	19 17:11		10 18:31	20 03:31		20 03:31	21 15:10	
12 01:15	22 12:36	Jan. -167j	10 06:01	21 20:41	Aug. -166j	13 00:19	23 07:45	March -164j	23 07:45	23 17:43	Oct. -163j
14 05:34	24 18:30	2 00:33	12 08:09	24 03:27	1 05:00	15 08:02	25 13:22	1 17:04	25 13:22	25 21:34	1 02:29
16 16:48	26 03:51	4 07:52	14 13:26	27 06:17	3 10:02	17 17:37	27 20:49	3 21:10	27 20:49	28 03:51	3 04:37
19 01:06	29 15:40	6 18:24	16 22:02	30 13:01	5 17:35	19 05:09	30 06:41	6 02:44	30 06:41	30 13:11	5 08:35
21 13:47		8 06:54	19 09:11	29 00:28	8 03:10	22 18:00		8 10:36	21 14:21		7 15:32
24 02:23	July -168j	9 06:54	21 21:44	31 12:55	10 14:26	25 06:19	Sept. -165j	10 21:15	22 23:16	Apr. -163j	10 01:47
26 13:52	2 04:32	11 19:57	23 04:32		13 02:55	18 05:28	1 18:52	13 09:53	25 10:43	2 01:01	12 14:09
28 23:28	4 17:08	14 08:21	26 22:23	Feb. -166j	15 15:28	21 17:18	4 07:51	15 22:22	27 19:10	4 13:25	15 02:22
31 06:22	7 04:17	16 18:55	29 07:55	3 01:34	18 05:03	24 11:47	6 18:59	18 08:10	30 00:25	7 00:10	17 12:24
	9 12:52	19 02:35	31 14:03	5 13:04	21 12:35	27 05:19	9 02:21	20 14:17		9 07:59	19 19:34
Jan. -168j	11 18:14	21 06:50	Aug. -167j	7 21:47	24 11:47	30 08:55	11 05:54	22 17:18	Oct. -164j	11 12:56	22 00:20
2 10:14	13 20:32	23 08:05	2 16:38	10 02:34	27 11:47	3 22:29	13 07:03	24 18:42	2 20:37	13 15:58	24 03:41
4 11:34	15 20:48	25 07:38	4 16:40	12 03:48	30 11:47	5 22:17	15 07:40	26 20:02	4 05:31	15 18:13	26 06:29
6 11:40	17 20:41	27 07:22	6 15:55	14 02:59	26 11:01	7 22:25	17 09:23	28 22:29	6 07:47	17 20:42	28 09:26
8 12:18	19 22:00	29 09:17	8 16:30	16 02:22	30 15:51	10 00:37	19 13:08	31 02:44	8 11:01	20 00:11	30 13:00
10 15:18	22 02:23	31 14:55	10 16:30	18 04:03		12 05:44	21 19:11		10 15:45	22 05:10	
12 21:53	24 10:35		12 20:14	20 09:28	Sept. -166j	14 13:41	24 03:26	Apr. -164j	12 22:25	24 12:09	Nov. -163j
15 08:08	26 22:02	Feb. -167j	13 03:58	22 18:40	1 23:07	16 23:52	26 13:47	2 09:06	15 07:21	26 21:27	1 17:51
17 20:39	29 10:55	3 00:37	15 15:04	25 06:22	4 09:05	19 11:42	29 01:59	4 17:45	17 18:35	29 08:58	4 00:46
20 09:14	31 23:19	5 13:04	18 03:48	27 19:01	6 20:43	22 00:34		7 04:39	20 07:14		6 10:23
22 20:19		8 02:11	20 16:30		9 09:14	25 13:14	Oct. -165j	9 17:15	22 19:23	May -163j	8 22:24
25 05:11	Aug. -168j	10 14:15	23 04:10	March -166j	11 21:52	28 23:44	1 15:06	12 06:02	25 04:53	1 21:30	11 10:58
27 11:49	3 09:59	13 00:32	25 14:08	2 07:33	14 09:15	31 09:09	4 03:06	14 16:51	27 10:41	4 08:56	13 21:38
29 16:24	5 18:26	15 08:38	27 21:35	4 19:10	16 17:38		6 11:53	17 00:06	29 13:13	6 17:22	16 04:47
31 19:16	8 00:31	17 14:15	30 01:53	7 04:48	18 21:59		8 16:32	19 03:37	31 13:55	8 22:12	18 08:37
	10 04:18	19 17:17		9 11:15	20 22:51	Apr. -165j	10 17:50	21 04:32		11 00:15	20 10:31
Feb. -168j	12 06:10	21 18:15	Sept. -167j	11 14:04	22 21:56	2 09:08	12 17:32	23 04:31	Nov. -164j	13 01:06	22 12:09
2 21:02	14 07:03	23 18:25	1 03:14	13 14:07	25 05:28	4 08:23	14 17:35	25 05:22	2 14:32	15 02:27	24 14:48
4 22:43	16 08:22	25 19:39	3 02:53	15 13:15	28 23:37	6 08:58	16 14:35	27 08:27	4 16:38	17 05:34	26 19:06
7 01:42	18 11:49	27 23:51	5 02:46	17 13:40	31 05:58	8 12:26</					

with clock times in UT/GMT. The year -162 astronomical counting style corresponds to year 163 B.C.E historical counting style.

Jan. -162j	July -162j	Jan. -161j	Aug. -161j	Feb. -160j	Aug. -160j	March -159j	Sept. -159j	March -158j	Oct. -158j	Apr. -157j	Oct. -157j
Ω 2 13:20	♂ 15 03:39	♂ 24 18:38	♂ 1 08:00	♂ 10 22:15	♂ 22 11:05	♂ 1 13:59	♂ 11 02:15	♂ 23 16:25	♂ 3 06:19	♂ 14 21:03	♂ 25 11:13
♂ 5 02:11	♂ 17 16:40	♂ 27 07:12	♂ 3 19:44	♂ 13 10:09	♂ 24 23:26	♂ 4 01:03	♂ 13 14:31	♂ 26 05:17	♂ 5 19:09	♂ 17 09:39	♂ 27 23:43
♂ 7 14:30	♂ 20 03:56	♂ 29 17:11	♂ 6 08:30	♂ 15 22:37	♂ 27 11:30	♂ 6 13:45	♂ 16 03:17	♂ 28 17:39	♂ 8 06:45	♂ 19 21:07	♂ 30 11:11
♂ 10 00:08	♂ 22 11:28	♂ 31 23:16	♂ 8 19:59	♂ 18 09:20	♂ 29 21:11	♂ 9 01:33	♂ 18 14:06	♂ 31 03:46	♂ 10 16:23	♂ 22 06:53	
♂ 12 05:35	♂ 24 14:57		♂ 11 04:17	♂ 20 16:51		♂ 11 10:30	♂ 20 22:02		♂ 13 00:09	♂ 24 14:37	Nov. -157j
♂ 14 07:11	♂ 26 15:38	Feb. -161j	♂ 13 09:04	♂ 22 21:06	Sept. -160j	♂ 13 16:19	♂ 23 03:33	Apr. -158j	♂ 15 06:08	♂ 26 19:55	♂ 1 20:53
♂ 16 06:39	♂ 28 15:28	♂ 3 01:53	♂ 15 11:16	♂ 24 23:12	♂ 1 03:38	♂ 15 19:57	♂ 25 07:37	♂ 2 11:24	♂ 17 10:11	♂ 28 22:44	♂ 4 04:00
♂ 18 06:09	♂ 30 16:20	♂ 5 02:32	♂ 17 12:22	♂ 27 00:38	♂ 3 07:24	♂ 17 22:39	♂ 27 10:58	♂ 4 17:06	♂ 19 12:24	♂ 30 23:45	♂ 6 08:06
♂ 20 07:43		♂ 7 03:02	♂ 19 13:50	♂ 29 02:45	♂ 5 09:44	♂ 20 01:26	♂ 29 13:57	♂ 6 21:26	♂ 21 13:36		♂ 8 09:34
♂ 22 12:33	Aug. -162j	♂ 9 04:54	♂ 21 16:49		♂ 7 11:57	♂ 22 04:47		♂ 9 00:36	♂ 23 15:18	May -157j	♂ 10 09:41
♂ 24 20:45	♂ 1 19:34	♂ 11 09:07	♂ 23 21:58	March -160j	♂ 9 14:58	♂ 24 09:03	Oct. -159j	♂ 11 02:53	♂ 25 19:20	♂ 3 00:25	♂ 12 10:16
♂ 27 07:26	♂ 4 01:43	♂ 13 16:01	♂ 26 05:29	♂ 2 06:29	♂ 11 19:17	♂ 26 14:44	♂ 1 16:54	♂ 13 05:06	♂ 28 02:59	♂ 5 02:31	♂ 14 13:09
♂ 29 19:37	♂ 6 10:33	♂ 16 01:24	♂ 28 15:18	♂ 4 12:16	♂ 14 01:13	♂ 28 22:38	♂ 3 20:35	♂ 15 08:35	♂ 30 14:07	♂ 7 07:39	♂ 16 19:38
	♂ 8 21:35	♂ 18 12:50	♂ 31 03:04	♂ 6 20:09	♂ 16 09:05	♂ 31 09:14	♂ 6 02:12	♂ 17 14:52		♂ 9 16:30	♂ 19 05:46
Feb. -162j	♂ 11 10:08	♂ 21 01:35		♂ 9 06:07	♂ 18 19:15		♂ 8 10:54	♂ 20 00:40	Nov. -158j	♂ 12 04:14	♂ 21 18:10
♂ 1 08:25	♂ 13 23:14	♂ 23 14:22	Sept. -161j	♂ 11 17:51	♂ 21 07:25	Apr. -159j	♂ 10 22:40	♂ 22 13:05	♂ 2 02:51	♂ 14 16:47	♂ 24 06:41
♂ 3 20:50	♂ 16 11:11	♂ 26 01:19	♂ 2 15:53	♂ 14 06:26	♂ 23 19:59	♂ 2 21:49	♂ 13 11:36	♂ 25 01:36	♂ 4 14:36	♂ 17 04:08	♂ 26 17:44
♂ 6 07:19	♂ 18 20:07	♂ 28 08:53	♂ 5 04:04	♂ 16 17:59	♂ 26 06:34	♂ 5 10:05	♂ 15 22:53	♂ 27 11:50	♂ 6 23:54	♂ 19 13:20	♂ 29 02:40
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♂ 10 17:38	♂ 23 02:31		♂ 9 19:27	♂ 21 07:19	♂ 30 16:43	♂ 10 01:20	♂ 20 11:25		♂ 11 11:45	♂ 24 01:19	Dec. -157j
♂ 12 17:56	♂ 25 02:04	♂ 2 12:37	♂ 11 21:44	♂ 23 08:54		♂ 12 04:02	♂ 22 14:10	May -158j	♂ 13 15:34	♂ 26 04:43	♂ 1 09:27
♂ 14 17:10	♂ 27 01:40	♂ 4 13:26	♂ 13 21:53	♂ 25 08:59	Oct. -160j	♂ 14 05:24	♂ 24 16:30	♂ 1 23:43	♂ 15 18:35	♂ 28 07:02	♂ 3 14:11
♂ 16 17:24	♂ 29 03:12	♂ 6 12:59	♂ 15 21:46	♂ 27 09:30	♂ 2 17:45	♂ 16 07:05	♂ 26 19:22	♂ 4 03:05	♂ 17 21:14	♂ 30 09:04	♂ 5 17:10
♂ 18 20:27	♂ 31 07:57	♂ 8 13:11	♂ 17 23:11	♂ 29 12:08	♂ 4 18:26	♂ 18 10:10	♂ 28 23:09	♂ 6 05:58	♂ 20 00:19		♂ 7 19:00
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♂ 23 13:26	Sept. -162j	♂ 12 21:43	♂ 22 11:08	Apr. -160j	♂ 9 00:46	♂ 22 21:39	Nov. -159j	♂ 10 12:14	♂ 24 12:14	♂ 1 11:59	♂ 11 23:39
♂ 26 01:44	♂ 2 16:16	♂ 15 07:07	♂ 24 21:31	♂ 3 02:11	♂ 11 07:27	♂ 25 06:10	♂ 2 10:30	♂ 12 16:46	♂ 26 22:38	♂ 3 17:02	♂ 14 05:12
♂ 28 14:33	♂ 5 03:28	♂ 17 18:57	♂ 27 09:37	♂ 5 12:44	♂ 13 16:09	♂ 27 16:50	♂ 4 19:18	♂ 14 23:27	♂ 29 11:05	♂ 6 01:08	♂ 16 14:10
	♂ 7 16:13	♂ 20 07:50	♂ 29 22:25	♂ 8 00:40	♂ 16 02:38	♂ 30 05:19	♂ 7 06:44	♂ 17 08:59		♂ 8 12:10	♂ 19 01:59
March -162j	♂ 10 05:11	♂ 22 20:32	Oct. -161j	♂ 10 13:15	♂ 18 14:44	May -159j	♂ 9 19:45	Dec. -158j	♂ 11 00:37	♂ 11 00:37	♂ 12 14:38
♂ 3 02:40	♂ 12 17:10	♂ 25 07:49	♂ 2 10:51	♂ 13 01:20	♂ 21 03:36	♂ 2 18:03	♂ 12 07:50	♂ 1 23:17	♂ 13 12:12	♂ 15 12:12	♂ 16 14:38
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♂ 7 20:57	♂ 17 09:28	♂ 29 21:57	♂ 7 05:00	♂ 17 17:15	♂ 25 23:32	♂ 7 11:06	♂ 16 21:26	♂ 6 15:32	♂ 20 07:25	♂ 22 10:09	♂ 24 15:46
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♂ 12 03:44	♂ 21 13:14	Apr. -161j	♂ 11 09:11	♂ 21 19:15	♂ 31 04:15	Nov. -160j	♂ 21 00:08	♂ 10 21:49	♂ 13 12:12	♂ 15 12:12	♂ 16 14:38
♂ 14 04:02	♂ 23 12:47	♂ 1 00:05	♂ 13 08:16	♂ 23 18:32	♂ 1 03:38	♂ 3 03:53	♂ 23 01:29	♂ 12 23:59	♂ 15 02:49	♂ 18 03:28	♂ 20 06:06
♂ 16 04:16	♂ 25 13:10	♂ 3 00:00	♂ 15 08:03	♂ 25 19:31	♂ 5 06:44	♂ 7 12:54	♂ 25 04:31	♂ 17 06:56	♂ 19 12:45	♂ 21 20:41	♂ 23 07:02
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♂ 20 11:29	♂ 29 23:07	♂ 7 00:31	♂ 19 17:05	♂ 30 07:46	♂ 14 21:14	♂ 20 03:16	♂ 29 17:03	♂ 23 07:02	♂ 25 19:42	♂ 27 02:52	♂ 29 04:36
♂ 22 20:29		♂ 9 04:53	♂ 22 03:17	May -160j	♂ 17 09:28	♂ 22 12:24	Dec. -159j	♂ 24 15:26	♂ 26 22:34	♂ 28 08:25	♂ 30 17:10
♂ 25 08:23	Oct. -162j	♂ 11 13:17	♂ 24 15:39	♂ 2 18:32	♂ 5 06:45	♂ 24 23:29	♂ 4 14:06	♂ 27 09:41	♂ 29 11:05	♂ 31 18:27	
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♂ 30 09:05	♂ 4 22:32	♂ 16 13:58	♂ 29 16:44	Nov. -161j	♂ 10 07:28	♂ 17 10:04	♂ 9 15:45	Jan. -157j	♂ 3 01:45	♂ 13 20:42	♂ 15 12:12
	♂ 7 11:25	♂ 19 02:29		♂ 12 17:59	♂ 15 01:31	♂ 22 08:02	♂ 12 01:53	♂ 14 08:02	♂ 5 05:28	♂ 17 15:31	♂ 19 16:55
Apr. -162j	♂ 9 22:57	♂ 21 13:31	♂ 1 03:40	♂ 17 17:15	♂ 19 05:54	♂ 26 15:36	♂ 10 00:15	♂ 16 20:23	♂ 7 06:43	♂ 19 16:55	♂ 21 18:18
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♂ 4 02:26	♂ 14 15:40	♂ 26 05:02	♂ 5 17:52	♂ 23 04:59	♂ 25 07:40	♂ 30 14:06	♂ 12 00:29	♂ 20 10:19	♂ 11 08:39	♂ 23 05:59	♂ 25 05:59
♂ 6 07:43	♂ 16 20:24	♂ 28 08:48	♂ 7 19:59	♂ 27 04:29	♂ 30 00:31	Dec. -160j	♂ 14 03:07	♂ 24 15:26	♂ 26 22:34	♂ 28 08:25	♂ 30 17:10
♂ 8 11:02	♂ 18 22:48	♂ 30 10:07	♂ 9 19:45	♂ 29 16:44	Nov. -161j	♂ 1 03:38	♂ 16 09:00	♂ 27 09:41	♂ 29 11:05	♂ 31 18:27	
♂ 10 12:54	♂ 20 23:36		♂ 11 10:35	♂ 31 00:31	June -160j	♂ 3 03:53	♂ 18 18:04	♂ 31 20:35	♂ 3 23:31	♂ 5 17:02	♂ 7 19:00
♂ 12 14:16	♂ 23 00:12	May -161j	♂ 13 08:16	♂ 3 12:22	♂ 5 06:45	♂ 7 12:54	♂ 20 03:16	♂ 23 01:29	♂ 25 04:31	♂ 27 09:41	♂ 29 17:03
♂ 14 16:27	♂ 25 02:21	♂ 2 10:09	♂ 15 08:03	♂ 5 06:45	♂ 9 21:58	♂ 12 08:59	♂ 22 12:24	♂ 24 15:26	♂ 26 22:34	♂ 28 08:25	♂ 30 17:10
♂ 16 20:55	♂ 27 07:46	♂ 4 10:42	♂ 17 10:35	♂ 7 19:20	♂ 14 21:14	♂ 20 03:16	♂ 24 23:29	♂ 27 09:41	♂ 29 11:05	♂ 31 18:27	
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♂ 21 15:55		♂ 8 20:48	♂ 22 03:17	♂ 11 13:17	♂ 14 00:58	♂ 16 13:58	♂ 19 02:29	♂ 22 20:32	♂ 24 15:39	♂ 27 04:29	♂ 29 16:44
♂ 24 04:40	Nov. -162j	♂ 11 07:40	♂ 20 21:57	♂ 24 15:39	♂ 27 04:29	♂ 29 16:44	♂ 31 00:31	♂ 3 12:22	♂ 5 17:52	♂ 7 19:59	♂ 9 19:45
♂ 26 16:34	♂ 1 05:36	♂ 13 20:33	♂ 25 22:50	♂ 30 07:46	♂ 3 12:22	♂ 5 06:45	♂ 7 12:54	♂ 9 21:58	♂ 11 10:35	♂ 13 08:16	♂ 15 08:03
♂ 29 01:57	♂ 3 18:32	♂ 16 08:59	♂ 28 09:17	♂ 5 06:45	♂ 7 12:54	♂ 9 21:58	♂ 12 08:59	♂ 14 21:14	♂ 16 13:58	♂ 19 02:29	♂ 21 13:14
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May -162j	♂ 8 14:31	♂ 21 04:03	♂ 23 10:35	♂ 25 22:50	♂ 27 04:29	♂ 29 16:44	♂ 31 00:31	♂ 3 12:22	♂ 5 17:52	♂ 7 19:59	♂ 9 19:45
♂ 1 08:36	♂ 10 21:05	♂ 23 10:35	Dec. -161j	♂ 3 12:22	♂ 5 06:45	♂ 7 12:54	♂ 9 21:58	♂ 11 10:35	♂ 13 08:16	♂ 15 08:03	♂ 17 10:35
♂ 3 13:12	♂ 13 02:02	♂ 25 15:14	♂ 5 04:22	♂ 7 12:54	♂ 9 21:58	♂ 11 10:35	♂ 13 08:16	♂ 15 08:03	♂ 17 10:35	♂ 19 02:29	♂ 21 13:14
♂ 5 16:35	♂ 15 05:39	♂ 27 18:01	♂ 7 05:51	♂ 9 06:07	♂ 11 07:02	♂ 13 10:35	♂ 15 15:14	♂ 17 10:35	♂ 19 02:29	♂ 21 13:14	♂ 23 00:12
♂ 7 19:24	♂ 17 08:09	♂ 29 19:25	♂ 9 06:07	♂ 11 07:02	♂ 13 10:35	♂ 15 15:14	♂ 17 10:35	♂ 19 02:29	♂ 21 13:14	♂ 23 00:12	♂ 25 02:21
♂ 9 22:07	♂ 19 10:07	♂ 31 20:40	♂ 13 10:35	♂ 15 15:14	♂ 17 10:35	♂ 19 02:29	♂ 21 13:14	♂ 23 00:12	♂ 25 02:21	♂ 27 07:46	♂ 29 1

with clock times in UT/GMT. The year -156 astronomical counting style corresponds to year 157 B.C.E historical counting style.

May -156j	Nov. -156j	May -155j	Dec. -155j	June -154j	Dec. -154j	July -153j	Jan. -152j	July -152j	Feb. -151j	Aug. -151j	Feb. -150j
1 01:40	10 15:53	23 06:50	2 21:54	14 12:19	25 02:40	1 18:52	11 08:27	22 21:05	1 10:57	13 23:44	23 13:37
3 13:22	13 04:13	25 19:27	5 10:21	17 00:48	27 15:24	4 04:39	13 18:49	25 08:25	3 22:41	16 11:57	26 02:19
6 02:14	15 17:13	28 08:22	7 22:59	19 13:21	30 03:51	6 16:42	16 07:22	27 21:09	6 11:11	19 00:08	28 14:23
8 14:55	18 05:41	30 20:23	10 10:35	22 00:10		9 05:41	18 20:03	30 08:46	8 22:08	21 10:15	
11 02:15	20 16:26		12 19:30	24 07:26	Jan. -153j	11 17:06	21 06:13		11 06:07	23 17:32	March -150j
13 11:08	23 00:19	June -155j	15 00:36	26 10:40	1 13:35	14 00:52	23 12:35	Aug. -152j	13 11:11	25 22:22	3 00:01
15 16:52	25 04:44	2 06:08	17 02:04	28 10:56	3 19:10	16 04:41	25 15:41	1 17:24	15 14:15	28 01:40	5 06:51
17 19:29	27 06:08	4 12:37	19 01:24	30 10:12	5 20:57	18 05:50	27 17:00	3 22:45	17 16:32	30 04:22	7 11:31
19 19:56	29 05:47	6 15:33	21 00:41		7 20:43	20 06:14	29 18:13	6 01:45	19 19:02		9 14:56
21 19:49		8 15:50	23 02:07	July -154j	9 20:39	22 07:37	31 20:36	8 03:44	21 22:29	Sept. -151j	11 17:48
23 20:55	Dec. -156j	10 15:07	25 07:14	1 2 10:38	11 22:36	24 11:04		10 05:50	24 03:24	1 07:10	13 20:38
26 00:53	1 05:31	12 15:25	27 16:13	4 13:57	14 03:34	26 16:58	Feb. -152j	12 08:55	26 10:16	3 10:42	15 23:58
28 08:38	3 07:20	14 18:38	30 03:53	6 20:51	16 11:28	29 01:09	3 00:50	14 13:31	28 19:25	5 15:35	18 04:41
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	7 22:12	19 12:39	Jan. -154j	11 18:24	21 09:19		7 15:39	19 04:58	March -151j	10 08:09	22 21:57
June -156j	10 10:29	22 01:25	1 16:33	14 06:57	23 22:02	Aug. -153j	10 20:20	21 16:12	1 06:45	12 20:04	25 10:21
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4 21:10	15 11:42	27 02:05	6 16:39	19 07:01	28 21:33	5 12:41	15 03:42	26 17:10	5 19:19	17 19:20	30 08:39
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14 02:45	24 15:19	1 19:41	15 12:47	27 20:50	2 07:51	14 16:25	26 03:14	Sept. -152j	14 23:03	26 10:07	3 18:41
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20 07:11	30 17:58	8 01:50	21 15:27		8 07:23	20 17:48	March -152j	6 12:45	21 03:52		10 02:19
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27 03:12	1 21:56	14 09:24	28 22:50	5 12:34	15 03:22	27 17:26	3 12:38	Oct. -152j	13 02:03	5 06:21	16 20:00
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	6 17:32	19 07:46		10 12:56	20 04:09		8 08:46	17 23:12	17 23:12	10 03:50	21 18:12
July -156j	9 06:36	21 20:37	Feb. -154j	13 01:21	22 16:40	Sept. -153j	10 21:24	20 11:53	2 02:37	12 16:37	24 06:57
2 04:19	11 18:38	24 08:04	5 08:00	15 12:44	25 03:45	1 18:54	13 10:17	23 00:30	4 14:49	15 04:20	26 17:39
4 14:49	14 04:23	26 17:38	7 15:27	17 22:04	27 12:06	4 07:19	15 21:59	25 11:20	7 00:45	17 12:44	29 00:34
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9 04:16	18 17:33	31 06:46	11 22:16	22 07:12	March -153j	9 00:07	20 12:17	29 22:23	11 09:25	21 18:11	May -150j
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20 19:47		7 04:01	24 13:35	1 14:26	10 17:44	21 06:14		6 14:34	24 02:25	Dec. -151j	10 08:32
23 07:47	March -155j	9 11:55	27 02:04	4 02:46	13 04:43	23 18:31	26 07:34	8 23:29	26 15:01	1 04:51	12 19:23
25 20:33	2 09:59	11 23:05	29 13:07	6 15:08	15 17:28	26 07:34	28 19:22	11 11:24	29 03:15	3 17:01	15 07:45
28 07:52	4 22:29	14 11:47	31 21:35	9 01:43	18 05:41	29 05:04	31 05:04	14 09:44	31 14:18	5 06:47	17 20:44
30 15:36	7 11:03	16 23:27		11 09:50	20 15:51	22 23:32		6 22:28		8 18:17	20 08:48
	9 21:10	19 08:22	Apr. -154j	13 15:43	22 23:32	25 05:03	Nov. -153j	9 09:43	18 23:47	11 05:03	22 18:08
Sept. -156j	12 03:46	21 14:24	3 03:29	15 19:54	25 05:03	28 08:53	2 12:36	11 19:02	21 09:09	13 12:30	24 23:33
1 19:43	14 07:30	23 18:24	5 07:32	17 22:56	28 08:53	31 11:31	4 18:06	14 02:14	23 16:00	15 16:01	27 01:24
3 21:36	16 09:45	25 21:24	7 10:31	20 01:23	29 11:31		6 21:40	16 07:06	25 19:43	17 16:24	29 01:07
5 22:59	18 11:50	28 00:09	9 13:06	22 03:59	May -153j	2 04:07	8 23:34	18 09:36	27 20:40	19 15:29	
8 01:13	20 14:37	30 03:12	11 16:01	24 07:48	4 06:42	10 10:10	11 00:40	20 10:23	29 20:15	21 15:27	July -150j
10 05:02	22 18:36		13 20:00	26 13:54	1 13:33	13 04:43	13 02:26	22 10:55	1 05:26	23 18:11	1 00:41
12 10:34	25 00:11	Oct. -155j	16 01:57	28 23:04	3 15:53	15 06:38	17 14:34	24 13:05	3 05:46	26 00:45	3 01:59
14 17:56	27 07:50	2 07:07	18 10:32	31 10:53	5 19:48	18 20:58	20 02:05	26 18:39	5 05:54	28 10:51	5 06:23
17 03:27	29 17:58	4 12:41	20 21:43	Nov. -154j	8 10:23	21 06:14	23 18:31	29 04:15	7 06:10	30 23:08	7 10:13
19 15:11		6 20:41	23 10:11	1 23:28	10 12:40	26 07:34	28 19:22	31 05:04	9 05:54		9 14:20
22 04:13	Apr. -155j	9 07:24	25 21:45	4 02:46	13 04:43	23 18:31	26 07:34		11 19:02	13 12:30	12 13:47
24 16:23	1 06:14	11 19:57	28 06:30	6 15:08	15 17:28	26 07:34	28 19:22	31 05:04	14 02:14	15 16:01	15 02:42
27 01:17	3 19:05	14 08:09	30 11:59	9 01:43	18 05:41	20 15:51	22 23:32	25 05:03	16 07:06	17 16:24	17 14:42
29 06:05	6 06:03	16 17:49		11 09:50	20 15:51	22 23:32	25 05:03	28 08:53	18 23:47	19 15:29	20 00:35
	8 13:30	18 23:57	May -154j	13 15:43	22 23:32	25 05:03	28 08:53	31 11:31	21 09:09	23 18:11	22 07:23
Oct. -156j	10 17:19	21 03:07	2 14:54	4 02:46	13 04:43	23 18:31	26 07:34		14 02:14	15 16:01	24 23:33
1 07:38	12 18:42	23 04:40	4 16:37	6 15:08	15 17:28	26 07:34	28 19:22	31 05:04	16 07:06	17 16:24	29 01:07
3 07:45	14 19:19	25 06:04	6 18:31	9 01:43	18 05:41	20 15:51	22 23:32	25 05:03	18 23:47	19 15:29	
5 08:20	16 20:42	27 08:34	8 21:37	11 09:50	20						

with clock times in UT/GMT. The year -150 astronomical counting style corresponds to year 151 B.C.E historical counting style.

Sept. -150j	March -149j	Sept. -149j	Apr. -148j	Oct. -148j	Apr. -147j	Nov. -147j	May -146j	Nov. -146j	June -145j	Dec. -145j	June -144j
2 15:03	15 05:18	24 19:27	2 22:10	13 12:23	25 03:10	2 06:04	14 20:51	11 11:36	1 06:17	11 20:19	22 08:54
5 03:12	17 18:09	27 08:20	5 10:26	16 00:45	27 15:51	4 17:53	17 09:02	26 23:45	3 15:06	14 04:58	24 17:55
7 16:04	20 06:49	29 20:22	7 23:08	18 13:23	30 04:45	7 06:47	19 21:59	29 12:28	6 01:50	16 15:47	27 05:32
10 03:26	22 17:37		10 11:04	21 01:25		9 19:36	22 10:17		8 14:04	19 04:20	29 18:27
12 12:18	25 02:11	Oct. -149j	12 21:35	23 11:48	May -147j	12 06:47	24 20:18	Dec. -146j	11 02:39	21 16:50	
14 18:52	27 08:46	2 06:47	15 06:01	25 19:19	2 16:38	14 14:50	27 02:47	2 00:14	13 13:33	24 02:42	July -144j
16 23:43	29 13:35	4 15:25	17 11:38	27 23:17	5 02:01	16 19:04	29 05:39	4 09:10	15 20:59	26 08:32	2 06:01
19 03:17	31 16:40	6 21:59	19 14:15	30 00:14	7 07:53	18 20:07	31 05:54	6 14:14	18 00:28	28 10:46	4 14:08
21 05:52		9 02:03	21 14:41	31 23:44	9 10:15	20 19:33		8 15:47	20 01:07	30 11:07	6 18:29
23 07:59	Apr. -149j	11 03:47	23 14:38		11 10:18	22 19:17	June -146j	10 15:22	22 00:51		8 20:19
25 10:42	2 18:22	13 04:12	25 16:05	Nov. -148j	13 09:48	24 21:13	2 05:17	12 15:01	24 01:41	Jan. -144j	10 21:26
27 15:30	4 19:42	15 05:06	27 20:49	2 23:50	15 10:42	27 02:42	4 05:47	14 16:46	26 05:09	1 11:39	12 23:20
29 23:39	6 22:19	17 08:29	30 05:28	5 02:27	17 14:35	29 11:58	6 09:05	16 21:56	28 11:46	3 14:01	15 02:55
	9 03:54	19 15:45		7 08:51	19 22:15		8 16:08	18 06:37	30 21:06	5 18:59	17 08:23
Oct. -150j	11 13:19	22 02:46	May -148j	9 18:55	22 09:12	Dec. -147j	11 02:35	21 17:48		8 02:24	19 15:47
2 11:07	14 01:38	24 15:31	2 17:09	12 07:14	24 21:56	1 23:58	13 15:02	24 06:12	3 08:16	10 11:49	22 01:15
5 00:03	16 14:20	27 03:34	5 05:48	14 19:52	27 10:44	4 12:59	16 03:59	26 18:50	5 20:36	12 22:56	24 12:53
7 11:38	19 01:05	29 13:31	7 17:33	17 07:29	29 22:18	7 01:34	18 16:16	29 06:51	8 09:19	15 11:27	27 01:53
9 20:10	21 09:02	31 21:19	10 03:31	19 17:22		9 12:41	21 02:49	31 16:57	10 21:02	18 00:16	29 14:13
12 01:45	23 14:43		12 11:28	22 01:03	June -147j	11 21:31	23 10:38		12 05:50	20 11:19	31 23:29
14 05:32	25 18:58	Nov. -149j	14 17:17	24 06:14	1 07:44	13 03:26	15 15:06	Jan. -145j	15 10:37	22 18:37	
16 08:38	27 22:19	3 03:21	16 20:58	26 08:59	3 14:30	16 06:21	17 16:29	2 23:47	17 11:46	24 21:43	Aug. -144j
18 11:44	30 01:06	5 07:51	18 22:55	28 10:05	5 18:25	18 06:56	29 16:02	5 02:48	19 10:59	26 21:52	3 04:36
20 15:07		7 10:55	21 00:08	30 10:53	7 19:59	20 06:40		7 02:51	21 10:59	28 21:10	5 06:18
22 19:06	May -149j	9 12:57	23 02:06		9 20:19	22 07:28	July -146j	9 01:48	22 10:27	30 21:45	7 06:21
25 00:32	2 03:47	11 15:01	25 06:21	Dec. -148j	11 21:03	24 11:13	1 15:40	11 01:57	23 12:17		9 06:42
27 08:28	4 07:19	13 18:35	27 13:58	2 13:03	13 23:52	26 19:03	3 17:28	13 05:17	25 17:43	Feb. -144j	11 08:54
29 19:25	6 13:00	16 01:07	30 00:48	4 18:08	16 06:08	29 06:31	5 23:03	15 12:45	28 02:43	2 01:10	13 13:49
	8 21:51	18 11:08		7 02:52	18 16:09	31 19:36	8 08:42	17 23:43	30 14:07	4 07:57	15 21:30
Nov. -150j	11 09:37	20 23:32	June -148j	9 14:35	21 04:38	Jan. -146j	10 21:06	20 12:18	22 02:36	6 17:36	18 07:33
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3 20:30	16 09:29	25 21:56	4 01:06	14 14:49	26 04:34	5 18:34	15 22:02	25 12:38	7 03:07	11 17:47	23 08:28
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8 10:55	20 22:25	30 09:59	8 17:54	19 06:47	30 19:56	10 09:25	20 16:40	30 06:50	11 19:19	16 18:08	28 07:38
10 13:34	23 01:31		10 22:53	21 11:38		12 13:46	22 22:27		13 21:58	19 02:49	30 14:18
12 15:12	25 03:55	Dec. -149j	12 22:23	23 15:07	July -147j	14 16:09	25 01:29	Feb. -145j	15 11:37	21 07:36	
14 17:15	27 06:31	2 13:27	15 05:02	25 17:43	3 00:31	16 17:12	27 02:17	1 11:37	13 21:58	23 08:55	Sept. -144j
16 20:32	29 09:51	4 16:18	17 07:32	27 20:06	5 03:27	18 18:19	29 02:16	3 13:18	15 23:54	25 08:20	1 17:04
19 01:21	31 14:27	6 19:10	19 10:42	29 23:08	7 05:18	20 21:17	31 03:25	5 13:03	17 21:03	27 07:55	3 17:11
21 07:51		8 22:37	21 15:30		9 06:57			7 12:50	19 21:38	29 09:37	5 16:33
23 16:24	June -149j	11 03:21	23 22:50	Jan. -147j	11 09:45	23 03:45	Aug. -146j	9 14:50	22 01:26		7 17:06
26 03:18	2 20:57	13 10:14	26 09:01	3 11:52	13 15:10	25 14:09	2 07:40	11 20:39	24 09:11	March -144j	9 20:25
28 16:05	5 05:58	15 19:50	28 21:13	5 22:48	16 00:10	28 02:57	4 16:03	14 06:29	26 20:11	2 14:46	11 03:15
	7 17:29	18 07:47		8 11:27	18 12:09	30 15:28	7 03:51	16 18:49	29 08:43	4 23:36	14 13:19
Dec. -150j	10 06:15	20 20:22	July -148j	10 11:27	21 00:57	Feb. -146j	9 16:45	19 07:27	31 21:15	7 11:09	17 01:31
1 04:51	12 18:00	23 07:13	1 09:22	12 23:20	23 12:04	2 01:42	12 04:34	21 18:52		9 23:54	19 14:33
3 15:07	15 02:43	25 14:48	3 19:19	13 08:25	25 20:17	4 09:18	14 14:19	24 04:34	Sept. -145j	12 12:31	22 03:10
5 21:23	17 07:49	27 19:06	6 02:06	15 14:20	28 01:55	6 14:56	16 22:05	26 12:21	3 08:46	14 23:53	24 14:06
8 00:00	19 10:10	29 21:10	8 06:04	17 17:56	30 05:54	8 19:15	19 04:03	28 17:56	5 18:34	17 09:02	26 22:10
10 00:33	21 11:14		10 08:24	19 20:33		10 22:36	21 08:11		8 01:52	19 15:10	29 02:43
12 00:53	23 12:32	Jan. -148j	12 10:26	21 23:15	Aug. -147j	13 01:11	23 10:34	March -145j	10 06:10	21 18:11	
14 02:37	25 15:16	3 00:34	14 13:12	24 02:39	1 09:06	15 03:36	25 11:52	2 21:09	12 07:46	23 18:55	Oct. -144j
16 06:45	27 20:08	5 04:13	16 17:19	26 07:42	3 12:01	17 07:05	27 13:33	4 22:30	14 07:54	25 18:52	1 04:12
18 13:35	30 03:25	7 09:56	18 23:09	28 12:09	5 15:01	7 18:44	30 17:21	6 23:16	16 08:23	27 19:50	3 03:54
20 22:53		9 17:47	21 06:59	30 20:40	7 18:44	10 00:17	19 13:07	9 01:13	18 11:05	29 23:31	5 03:37
23 10:14	July -149j	11 03:21	23 22:50	Feb. -147j	10 00:17	12 08:43	21 22:38	11 06:03	20 17:21		7 05:19
25 23:00	2 13:03	13 10:14	26 09:01	2 07:08	13 15:10	14 20:12	24 10:57	13 14:36	23 03:18	Apr. -144j	9 10:29
28 11:58	5 00:42	15 15:32	28 21:13	4 19:38	16 00:10	17 09:04	26 23:39	16 02:13	25 15:35	1 06:55	11 19:38
30 23:16	7 13:28	17 04:13		7 08:04	18 12:09	19 20:38		18 14:48	28 04:06	3 17:46	14 07:44
	10 01:46	19 15:58	Jan. -148j	9 17:52	20 03:32	22 04:52	March -146j	20 12:13	30 15:15	6 06:28	16 20:50
Jan. -149j	12 11:36	22 00:47	3 00:34	11 23:50	24 02:39	26 09:46	1 10:08	23 11:23		8 18:59	19 09:08
2 07:08	14 17:47	24 05:44	5 04:13	14 13:12	26 07:42	28 12:33	3 17:23	25 18:18	Oct. -145j	11 05:53	21 19:42
4 11:03	16 20:26	26 07:25	7 09:56	16 17:19	28 12:09	30 17:21	5 21:59	27 23:20	3 00:20	13 14:34	24 04:03
6 11:52	18 20:48	28 07:24	9 17:47	20 07:59	30 20:40		8 01:09	30 02:53	5 07:16	15 20:54	26 09:56
8 11:19	20 20:40	30 07:41	11 03:21	22 12:46	22 21:52		10 03:56		7 12:08	18 01:02	28 13:15
10 11:18	22 21:52		13 10:14	24 02:39	26 09:46	28 12:33	12 06:56	Apr. -145j	9 15:10	20 03:20	30 14:30
12 13:37	25 01:47	Feb. -148j	15 05:12	26 07:42	30 17:21	22 12:49	14 10:28	1 05:24	11 16:59	22 04:37	
14 19:21	27 08:59	3 15:21	17 13:48	28 12:09	30 17:21	24 19:34	16 15:07	3 07:37	13 18:37	24 06:07	Nov. -144j
17 04:34	29 19:07	5 23:43	21 06:59	30 20:40	3 11:52	5 22:48	18 21:43	5 10:35	15 21:27	26 09:18	1 14:51
19 16:19		8 10:20	23 22:50	Feb. -147j	7 08:04	9 17:52	21 07:03	7 15:32	18 02:53	28 15:34	3 15:58
22 05:16	Aug. -149j	10 01:46	26 09:01	2 07:08	11 23:50	13 08:25	24 10:57	9 23:27	20 11:41		5 19:44
24 18:07	2 13:03	13 10:14	28 21:13	4 19:38	14 13:12	16 17:19	17 09:04	11 06:03	23 03:18	Apr. -144j	8 03:25
27 05:40	5 00:42	15 15:32	30 07:41	7 08:04	18 20:40	20 07:59	22 04:52	13 14:36	25 15:35	1 06:55	10 10:29
29 14:44	7 13:28	17 04:13		9 17:52	24 02:39	26 09:46	19 20:38	16 02:13	28 04:06	3 17:46	14 07:44
31 20:27	10 01:46	19 15:58	Jan. -148j	11 23:50	26 07:42	28 12:33	22 04:52	18 14:48	30 15:15	6 06:28	16 20:50
	12 11:36	22 00:47	3 00:34	14 13:12	26 07:42	28 12:33	24 10:57	20 12:13		8 18:59	19 09:08
Feb. -149j	14 17:47	24 05:44	5 04:13	16 17:19	28 12:09	30 17:21	26 23:39	23 11:23	Oct. -145j	11 05:53	21 19:42
2 22:48	16 20:26	26 07:25	7 09:56	20 07:59	30 17:21	22 12:49		25 18:18	3 00:20	13 14:34	24 04:03
4 22:48	18 20:48	28 07:24	9 17:47	22 12:46	24 02:39	26 09:46	10 03:56	30 02:53	5 07:16	15 20:54	26 09:56
6 22:11	20 20:40	30 07:41	11 03:21	24 02:39	26 0						

with clock times in UT/GMT. The year -143 astronomical counting style corresponds to year 144 B.C.E historical counting style.

Jan. -143j ♌ 1 21:49 ♍ 4 07:33 ♎ 6 19:55 ♏ 9 08:40 ♐ 11 19:06 ♑ 14 01:56 ♒ 16 05:42 ♓ 18 07:52 ♈ 20 09:53 ♉ 22 12:41 ♊ 24 16:45 ♋ 26 22:18 ♌ 29 05:48 ♍ 31 15:40	July -143j ♈ 14 10:03 ♉ 16 21:02 ♊ 19 09:42 ♋ 21 21:32 ♌ 24 06:36 ♍ 26 12:41 ♎ 28 16:37 ♏ 30 19:29	Jan. -142j ♈ 23 23:35 ♉ 26 11:10 ♊ 28 23:46 ♋ 31 10:59	Aug. -142j ♈ 3 02:35 ♉ 5 12:26 ♊ 8 00:37 ♋ 10 12:55 ♌ 12 23:32 ♍ 15 07:43 ♎ 17 13:39 ♏ 19 17:49 ♐ 21 20:49 ♑ 23 23:14 ♒ 26 01:52 ♓ 28 05:42 ♈ 30 11:50	Feb. -141j ♈ 12 15:38 ♉ 15 02:22 ♊ 17 15:03 ♋ 20 03:23 ♌ 22 13:44 ♍ 24 21:36 ♎ 27 03:16	Aug. -141j ♈ 25 04:09 ♉ 27 16:08 ♊ 30 05:05 ♋ 8 07:16 ♌ 10 20:11 ♍ 13 07:38 ♎ 15 17:05 ♏ 18 00:26 ♐ 20 05:33 ♑ 22 08:23 ♒ 24 09:27 ♓ 26 10:02 ♈ 28 11:57 ♉ 30 16:59	March -140j ♈ 1 01:49 ♉ 3 08:08 ♊ 5 18:29 ♋ 8 07:16 ♌ 10 20:11 ♍ 13 07:38 ♎ 15 17:05 ♏ 18 00:26 ♐ 20 05:33 ♑ 22 08:23 ♒ 24 09:27 ♓ 26 10:02 ♈ 28 11:57 ♉ 30 16:59	Sept. -140j ♈ 10 12:40 ♉ 12 21:12 ♊ 15 08:53 ♋ 17 21:46 ♌ 20 10:09 ♍ 22 21:16 ♎ 25 06:36 ♏ 27 13:32 ♐ 29 17:29	March -139j ♈ 23 02:12 ♉ 25 12:00 ♊ 28 00:05 ♋ 30 12:48 ♌ 10 03:07 ♍ 12 15:33 ♎ 15 02:25 ♏ 17 10:09 ♐ 19 13:58 ♑ 21 14:32 ♒ 23 13:39 ♓ 25 13:30 ♈ 27 16:04 ♉ 29 22:29	Oct. -139j ♈ 2 15:49 ♉ 5 02:24 ♊ 7 14:28 ♋ 10 03:07 ♌ 12 15:33 ♍ 15 02:25 ♎ 17 10:09 ♏ 19 13:58 ♐ 21 14:32 ♑ 23 13:39 ♒ 25 13:30 ♓ 27 16:04 ♈ 29 22:29	Apr. -138j ♈ 14 06:20 ♉ 16 17:10 ♊ 19 05:30 ♋ 21 18:30 ♌ 24 06:47 ♍ 26 16:32 ♎ 28 22:27	Oct. -138j ♈ 24 20:25 ♉ 27 07:35 ♊ 29 20:14 ♋ 21 18:30 ♌ 24 06:47 ♍ 26 16:32 ♎ 28 22:27	Nov. -138j ♈ 1 09:15 ♉ 3 20:45 ♊ 6 04:53 ♋ 8 08:59 ♌ 10 09:55 ♍ 12 09:23 ♎ 14 09:21 ♏ 16 11:34 ♐ 18 17:09 ♑ 21 02:09 ♒ 23 13:42 ♓ 26 02:33 ♈ 28 15:25	Dec. -138j ♈ 1 03:08 ♉ 3 12:24 ♊ 5 18:20 ♋ 7 20:52 ♌ 9 20:59 ♍ 11 20:24 ♎ 13 21:05 ♏ 16 00:50 ♐ 18 08:35 ♑ 20 19:52 ♒ 23 08:51 ♓ 25 21:35 ♈ 28 08:53 ♉ 30 18:11	Jan. -137j ♈ 2 01:07 ♉ 4 05:25 ♊ 6 07:18 ♋ 8 07:39 ♌ 10 08:06 ♍ 12 10:35 ♎ 14 16:45 ♏ 17 02:59 ♐ 19 15:45 ♑ 22 04:30 ♒ 24 15:24 ♓ 26 23:58 ♈ 29 06:32 ♉ 31 11:26	Feb. -137j ♈ 2 14:46 ♉ 4 16:47 ♊ 6 18:19 ♋ 8 18:21 ♌ 10 12:11 ♍ 12 12:17 ♎ 14 16:45 ♏ 17 02:59 ♐ 19 15:45 ♑ 22 04:30 ♒ 24 15:24 ♓ 26 23:58 ♈ 29 06:32 ♉ 31 11:26	July -138j ♈ 2 23:23 ♉ 5 04:21 ♊ 7 13:02 ♋ 10 00:52 ♌ 12 13:45 ♍ 15 01:22 ♎ 17 10:29 ♏ 19 17:09 ♐ 21 21:57 ♑ 24 01:27 ♒ 26 04:03 ♓ 28 06:16 ♈ 30 09:03	Jan. -138j ♈ 2 12:03 ♉ 4 21:46 ♊ 7 04:40 ♋ 9 09:22 ♌ 11 12:48 ♍ 13 15:42 ♎ 15 18:37 ♏ 17 22:04 ♐ 19 11:01 ♑ 21 13:06 ♒ 23 17:14 ♓ 26 00:37 ♈ 28 11:21 ♉ 30 23:58	Feb. -138j ♈ 1 06:47 ♉ 3 13:22 ♊ 5 16:58 ♋ 7 19:03 ♌ 9 21:06 ♍ 12 00:10 ♎ 14 04:35 ♏ 16 10:28 ♐ 18 18:07 ♑ 20 01:00 ♒ 22 13:05 ♓ 24 16:05 ♈ 26 04:55 ♉ 28 15:58	March -138j ♈ 2 23:15 ♉ 5 02:40 ♊ 7 03:40 ♋ 9 04:10 ♌ 11 05:56 ♍ 13 09:56 ♎ 15 16:17 ♏ 18 00:44 ♐ 20 11:06 ♑ 22 23:12 ♒ 24 12:11 ♓ 28 00:06 ♈ 30 08:41	Apr. -138j ♈ 1 13:04 ♉ 3 14:06 ♊ 5 13:39 ♋ 7 13:48 ♌ 9 16:15 ♍ 11 21:48	May -139j ♈ 1 17:52 ♉ 4 02:41 ♊ 6 09:08 ♋ 8 12:56 ♌ 10 14:27 ♍ 12 14:54 ♎ 14 16:02 ♏ 16 19:39 ♐ 19 02:54 ♑ 21 13:35 ♒ 24 02:04 ♓ 26 14:10 ♈ 29 00:28 ♉ 31 08:33	June -139j ♈ 2 14:32 ♉ 4 18:41 ♊ 6 21:21 ♋ 8 23:14 ♌ 11 01:26 ♍ 13 05:16 ♎ 15 11:53 ♏ 17 21:43 ♐ 20 09:48 ♑ 22 22:04 ♒ 25 08:24 ♓ 27 15:56 ♈ 29 20:55	July -139j ♈ 2 00:13 ♉ 4 02:48 ♊ 6 05:28 ♋ 8 08:54 ♌ 10 13:43 ♍ 12 20:37 ♎ 15 06:04 ♏ 17 17:48 ♐ 20 06:18 ♑ 22 17:14 ♒ 25 00:57 ♓ 27 05:17 ♈ 29 07:21 ♉ 31 08:44	Aug. -139j ♈ 2 10:51 ♉ 4 14:39 ♊ 6 20:24 ♋ 9 04:07 ♌ 11 13:49 ♍ 14 01:25 ♎ 16 14:05 ♏ 19 01:53 ♐ 21 10:36 ♑ 23 15:20 ♒ 25 16:48 ♓ 27 16:49 ♈ 29 17:25 ♉ 31 20:13	Sept. -139j ♈ 3 01:54 ♉ 5 10:13 ♊ 7 20:31 ♋ 10 08:16 ♌ 12 20:58 ♍ 15 09:21 ♎ 17 19:26 ♏ 20 10:13 ♐ 22 03:40 ♑ 24 03:15 ♒ 26 02:30 ♓ 28 03:34 ♈ 30 07:55	Oct. -139j ♈ 3 01:54 ♉ 5 10:13 ♊ 7 20:31 ♋ 10 08:16 ♌ 12 20:58 ♍ 15 09:21 ♎ 17 19:26 ♏ 20 10:13 ♐ 22 03:40 ♑ 24 03:15 ♒ 26 02:30 ♓ 28 03:34 ♈ 30 07:55	Nov. -139j ♈ 3 01:54 ♉ 5 10:13 ♊ 7 20:31 ♋ 10 08:16 ♌ 12 20:58 ♍ 15 09:21 ♎ 17 19:26 ♏ 20 10:13 ♐ 22 03:40 ♑ 24 03:15 ♒ 26 02:30 ♓ 28 03:34 ♈ 30 07:55	Dec. -139j ♈ 3 01:54 ♉ 5 10:13 ♊ 7 20:31 ♋ 10 08:16 ♌ 12 20:58 ♍ 15 09:21 ♎ 17 19:26 ♏ 20 10:13 ♐ 22 03:40 ♑ 24 03:15 ♒ 26 02:30 ♓ 28 03:34 ♈ 30 07:55	Jan. -137j ♈ 2 01:07 ♉ 4 05:25 ♊ 6 07:18 ♋ 8 07:39 ♌ 10 08:06 ♍ 12 10:35 ♎ 14 16:45 ♏ 17 02:59 ♐ 19 15:45 ♑ 22 04:30 ♒ 24 15:24 ♓ 26 23:58 ♈ 29 06:32 ♉ 31 11:26	Feb. -137j ♈ 2 14:46 ♉ 4 16:47 ♊ 6 18:19 ♋ 8 18:21 ♌ 10 12:11 ♍ 12 12:17 ♎ 14 16:45 ♏ 17 02:59 ♐ 19 15:45 ♑ 22 04:30 ♒ 24 15:24 ♓ 26 23:58 ♈ 29 06:32 ♉ 31 11:26	March -137j ♈ 1 20:16 ♉ 3 23:15 ♊ 6 02:11 ♋ 8 05:50 ♌ 10 11:24 ♍ 12 19:59 ♎ 15 07:35 ♏ 17 20:27 ♐ 20 07:51 ♑ 22 16:02 ♒ 24 21:00 ♓ 26 23:55 ♈ 29 02:06 ♉ 31 04:36	Apr. -137j ♈ 2 07:59 ♉ 4 12:40 ♊ 6 19:10 ♋ 9 04:04 ♌ 11 15:28 ♍ 14 04:19 ♎ 16 16:21 ♏ 19 19:25 ♐ 21 06:45 ♑ 23 09:06 ♒ 25 09:59 ♓ 27 11:02 ♈ 29 13:29
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with clock times in UT/GMT. The year -137 astronomical counting style corresponds to year 138 B.C.E historical counting style.

May -137j ♈ 1 18:09 ♈ 4 01:20 ♈ 6 10:54 ♈ 8 22:33 ♈ 11 11:23 ♈ 13 23:53 ♈ 16 10:03 ♈ 18 16:36 ♈ 20 19:31 ♈ 22 19:57 ♈ 24 19:41 ♈ 26 20:32 ♈ 29 00:00 ♈ 31 06:50	Nov. -137j ♏ 11 07:39 ♏ 13 15:20 ♏ 16 01:11 ♏ 18 12:55 ♏ 21 01:38 ♏ 23 13:29 ♏ 25 22:29 ♏ 28 03:38 ♏ 30 05:29	May -136j ♊ 22 21:12 ♊ 25 05:06 ♊ 27 15:10 ♊ 30 03:07 June -136j ♊ 1 15:40 ♊ 4 02:40 ♊ 6 10:19 ♊ 8 14:15 ♊ 10 15:31 ♊ 12 15:54 ♊ 14 17:12 ♊ 16 20:45 ♊ 19 02:58 ♊ 21 11:35 ♊ 23 22:06 ♊ 26 10:06 ♊ 28 22:49	Dec. -136j ♐ 2 10:37 ♐ 4 18:23 ♐ 7 04:40 ♐ 9 17:02 ♐ 12 05:32 ♐ 14 15:36 ♐ 16 21:51 ♐ 19 00:44 ♐ 21 01:53 ♐ 23 03:08 ♐ 25 05:53 ♐ 27 10:40 ♐ 29 17:25	June -135j ♊ 23 22:45 ♊ 16 07:01 ♊ 18 18:14 ♊ 21 07:03 ♊ 23 18:49 ♊ 26 03:24 ♊ 28 08:28 ♊ 30 11:09 July -135j ♊ 2 13:03 ♊ 4 15:26 ♊ 6 18:57 ♊ 8 23:51 ♊ 11 06:20 ♊ 13 14:55 ♊ 16 01:59 ♊ 18 14:49 ♊ 21 03:14 ♊ 23 12:42 ♊ 25 18:08 ♊ 27 20:18 ♊ 29 20:55 ♊ 31 21:52	Dec. -135j ♐ 24 10:59 ♐ 26 20:11 ♐ 29 08:20 ♐ 31 21:12 Jan. -134j ♈ 3 07:58 ♈ 5 15:24 ♈ 7 20:02 ♈ 9 23:09 ♈ 12 01:56 ♈ 14 05:00 ♈ 16 08:40 ♈ 18 13:20 ♈ 20 19:45 ♈ 23 04:48 ♈ 25 16:32 ♈ 28 05:27 ♈ 30 16:58	July -134j ♈ 1 12:13 ♈ 3 15:56 ♈ 5 22:58 ♈ 8 09:37 ♈ 10 22:17 ♈ 13 10:20 ♈ 15 19:58 ♈ 18 02:53 ♈ 20 07:48 ♈ 22 11:30 ♈ 24 14:32 ♈ 26 17:16 ♈ 28 20:21 ♈ 31 00:48	Jan. -133j ♏ 10 23:30 ♏ 13 03:58 ♏ 15 12:13 ♏ 17 23:44 ♏ 20 12:25 ♏ 22 23:58 ♏ 25 09:12 ♏ 27 16:10 ♏ 29 21:20 Feb. -133j ♏ 1 01:06 ♏ 3 03:50 ♏ 5 06:09 ♏ 7 09:02 ♏ 9 13:46 ♏ 11 21:24 ♏ 14 08:04 ♏ 16 20:31 ♏ 19 08:24 ♏ 21 17:49 ♏ 24 00:12 ♏ 26 04:11 ♏ 28 06:50	July -133j ♏ 23 09:37 ♏ 25 15:38 ♏ 28 01:20 ♏ 30 13:26 Aug. -133j ♏ 2 01:53 ♏ 4 13:01 ♏ 6 22:07 ♏ 9 05:04 ♏ 11 09:59 ♏ 13 13:06 ♏ 15 14:59 ♏ 17 16:42 ♏ 19 19:34 ♏ 22 00:58 ♏ 24 09:39 ♏ 26 21:12 ♏ 29 09:42 ♏ 31 20:56	Feb. -132j ♏ 1 21:36 ♏ 4 04:41 ♏ 6 15:20 ♏ 9 03:59 ♏ 11 16:34 ♏ 14 03:37 ♏ 16 12:29 ♏ 18 19:04 ♏ 20 23:27 ♏ 23 01:59 ♏ 25 03:23 ♏ 27 04:51 ♏ 29 07:51 March -132j ♏ 2 13:47 ♏ 4 23:16 ♏ 7 11:27 ♏ 10 00:07 ♏ 12 11:00 ♏ 14 19:10 ♏ 17 00:50 ♏ 19 04:50 ♏ 21 07:56 ♏ 23 10:38 ♏ 25 13:30 ♏ 27 17:17 ♏ 29 23:05	Aug. -132j ♏ 13 08:47 ♏ 15 17:34 ♏ 18 05:21 ♏ 20 18:19 ♏ 23 06:39 ♏ 25 17:18 ♏ 28 01:42 ♏ 30 07:38 Sept. -132j ♏ 1 11:03 ♏ 3 12:29 ♏ 5 13:01 ♏ 7 14:15 ♏ 9 17:56 ♏ 12 01:22 ♏ 14 12:26 ♏ 17 01:20 ♏ 19 13:36 ♏ 21 23:41 ♏ 24 07:21 ♏ 26 13:04 ♏ 28 17:15 ♏ 30 20:11	Feb. -131j ♏ 22 21:51 ♏ 25 08:00 ♏ 27 20:38 March -131j ♏ 2 09:41 ♏ 4 21:42 ♏ 7 07:56 ♏ 9 15:53 ♏ 11 21:07 ♏ 13 23:37 ♏ 16 00:06 ♏ 18 00:04 ♏ 20 01:30 ♏ 22 06:13 ♏ 24 15:06 ♏ 27 03:15 ♏ 29 16:17																																											
June -137j ♊ 2 16:45 ♊ 5 04:46 ♊ 7 17:41 ♊ 10 06:16 ♊ 12 17:12 ♊ 15 01:10 ♊ 17 05:31 ♊ 19 06:43 ♊ 21 06:09 ♊ 23 05:46 ♊ 25 07:36 ♊ 27 13:07 ♊ 29 22:33	July -137j ♊ 2 10:40 ♊ 4 23:39 ♊ 7 12:03 ♊ 9 23:03 ♊ 12 07:51 ♊ 14 13:44 ♊ 16 16:30 ♊ 18 16:51 ♊ 20 16:22 ♊ 22 17:08 ♊ 24 21:07 ♊ 27 05:19 ♊ 29 16:59	Aug. -137j ♊ 1 05:57 ♊ 3 18:10 ♊ 6 04:41 ♊ 8 13:19 ♊ 10 19:54 ♊ 13 00:07 ♊ 15 02:04 ♊ 17 02:39 ♊ 19 03:32 ♊ 21 06:40 ♊ 23 13:34 ♊ 26 00:18 ♊ 28 13:03 ♊ 31 01:16	Sept. -137j ♊ 2 11:23 ♊ 4 19:14 ♊ 7 01:16 ♊ 9 05:48 ♊ 11 08:56 ♊ 13 11:03 ♊ 15 13:05 ♊ 17 16:31 ♊ 19 22:49 ♊ 22 08:37 ♊ 24 20:58 ♊ 27 09:22 ♊ 29 19:38	Oct. -137j ♊ 2 02:58 ♊ 4 07:55 ♊ 6 11:25 ♊ 8 14:19 ♊ 10 17:10 ♊ 12 20:31 ♊ 15 01:06 ♊ 17 07:48 ♊ 19 17:15 ♊ 22 05:09 ♊ 24 17:48 ♊ 27 04:48 ♊ 29 12:32 ♊ 31 16:57	Nov. -137j ♊ 2 19:09 ♊ 4 20:35 ♊ 6 22:36 ♊ 9 02:07	Jan. -136j ♈ 2 16:08 ♈ 4 19:36 ♈ 7 02:59 ♈ 9 13:39 ♈ 12 01:59 ♈ 14 14:38 ♈ 17 02:48 ♈ 19 13:35 ♈ 21 21:49 ♈ 24 02:32 ♈ 26 03:51 ♈ 28 03:10 ♈ 30 02:37	Feb. -136j ♈ 1 04:25 ♈ 3 10:08 ♈ 5 19:53 ♈ 8 08:08 ♈ 10 20:52 ♈ 13 08:44 ♈ 15 19:12 ♈ 18 03:43 ♈ 20 09:44 ♈ 22 12:47 ♈ 24 13:34 ♈ 26 13:34 ♈ 28 14:49	March -136j ♈ 1 19:10 ♈ 4 03:30 ♈ 6 15:04 ♈ 9 03:44 ♈ 11 15:30 ♈ 14 01:25 ♈ 16 09:18 ♈ 18 15:14 ♈ 20 19:12 ♈ 22 21:28 ♈ 24 22:54 ♈ 27 00:53 ♈ 29 04:57 ♈ 31 12:18	April -136j ♈ 2 22:57 ♈ 5 11:23 ♈ 7 23:18 ♈ 10 09:02 ♈ 12 16:09 ♈ 14 21:05 ♈ 17 00:35 ♈ 19 03:17 ♈ 21 05:53 ♈ 23 09:08 ♈ 25 13:57 ♈ 27 21:12 ♈ 30 07:16	May -136j ♈ 2 19:24 ♈ 5 07:37 ♈ 7 17:46 ♈ 10 00:44 ♈ 12 04:45 ♈ 14 06:59 ♈ 16 08:48 ♈ 18 11:21 ♈ 20 15:22	June -136j ♈ 1 15:40 ♈ 4 02:40 ♈ 6 10:19 ♈ 8 14:15 ♈ 10 15:31 ♈ 12 15:54 ♈ 14 17:12 ♈ 16 20:45 ♈ 19 02:58 ♈ 21 11:35 ♈ 23 22:06 ♈ 26 10:06 ♈ 28 22:49	July -136j ♈ 1 10:39 ♈ 3 19:35 ♈ 6 00:28 ♈ 8 01:47 ♈ 10 01:15 ♈ 12 01:02 ♈ 14 03:05 ♈ 16 08:30 ♈ 18 17:11 ♈ 21 04:07 ♈ 23 16:20 ♈ 26 05:03 ♈ 28 17:16 ♈ 31 03:22	Aug. -136j ♈ 2 09:49 ♈ 4 12:20 ♈ 6 12:04 ♈ 8 11:05 ♈ 10 11:37 ♈ 12 15:25 ♈ 14 23:07 ♈ 17 09:55 ♈ 19 22:18 ♈ 22 10:57 ♈ 24 22:59 ♈ 27 09:28 ♈ 29 17:12 ♈ 31 21:26	Sept. -136j ♈ 2 22:35 ♈ 4 22:07 ♈ 6 22:05 ♈ 9 00:28 ♈ 11 06:36 ♈ 13 16:28 ♈ 16 04:41 ♈ 18 17:20 ♈ 21 05:00 ♈ 23 14:59 ♈ 25 22:51 ♈ 28 04:11 ♈ 30 07:03	Oct. -136j ♈ 2 08:10 ♈ 4 08:54 ♈ 6 10:56 ♈ 8 15:51 ♈ 11 00:25 ♈ 13 12:01 ♈ 16 00:41 ♈ 18 12:15 ♈ 20 21:36 ♈ 23 04:34 ♈ 25 09:34 ♈ 28 23:04 ♈ 31 04:11	Nov. -136j ♈ 2 20:57 ♈ 5 01:46 ♈ 7 09:28 ♈ 9 20:15 ♈ 12 08:48 ♈ 14 20:45 ♈ 17 06:02 ♈ 19 12:10 ♈ 21 15:55 ♈ 23 18:33 ♈ 25 21:12 ♈ 28 00:32 ♈ 30 04:52	Dec. -136j ♈ 2 10:37 ♈ 4 18:23 ♈ 7 04:40 ♈ 9 17:02 ♈ 12 05:32 ♈ 14 15:36 ♈ 16 21:51 ♈ 19 00:44 ♈ 21 01:53 ♈ 23 03:08 ♈ 25 05:53 ♈ 27 10:40 ♈ 29 17:25	Jan. -135j ♈ 1 01:58 ♈ 3 12:25 ♈ 6 00:38 ♈ 8 13:29 ♈ 11 00:41 ♈ 13 08:06 ♈ 15 11:24 ♈ 17 11:52 ♈ 19 11:35 ♈ 21 12:36 ♈ 23 16:16 ♈ 25 22:55 ♈ 28 08:03 ♈ 30 19:02	Feb. -135j ♈ 4 20:15 ♈ 7 08:09 ♈ 9 17:03 ♈ 11 21:49 ♈ 13 22:59 ♈ 15 22:18 ♈ 17 21:55 ♈ 19 23:46 ♈ 22 05:02 ♈ 24 13:44 ♈ 27 00:57	March -135j ♈ 1 13:30 ♈ 4 02:18 ♈ 6 14:14 ♈ 8 23:57 ♈ 11 06:17 ♈ 13 09:05 ♈ 15 09:21 ♈ 17 08:51 ♈ 19 09:31 ♈ 21 13:05 ♈ 23 20:26 ♈ 26 07:08 ♈ 28 19:44 ♈ 31 08:28	April -135j ♈ 2 20:02 ♈ 5 05:35 ♈ 7 12:36 ♈ 9 16:51 ♈ 11 18:45 ♈ 13 19:19 ♈ 15 20:05 ♈ 17 22:45 ♈ 20 04:41 ♈ 22 14:20 ♈ 25 02:36 ♈ 27 15:20 ♈ 30 02:35	May -135j ♈ 2 11:29 ♈ 4 18:03 ♈ 6 22:39 ♈ 9 01:44 ♈ 11 03:48 ♈ 13 05:41 ♈ 15 08:35 ♈ 17 13:52 ♈ 19 22:32 ♈ 22 10:14 ♈ 24 23:01 ♈ 27 10:18 ♈ 29 18:43	June -135j ♈ 1 00:21 ♈ 3 04:10 ♈ 5 07:12 ♈ 7 10:05 ♈ 9 13:13 ♈ 11 17:08	July -135j ♈ 2 13:03 ♈ 4 15:26 ♈ 6 18:57 ♈ 8 23:51 ♈ 11 06:20 ♈ 13 14:55 ♈ 16 01:59 ♈ 18 14:49 ♈ 21 03:14 ♈ 23 12:42 ♈ 25 18:08 ♈ 27 20:18 ♈ 29 20:55 ♈ 31 21:52	Aug. -135j ♈ 3 00:28 ♈ 5 05:19 ♈ 7 12:26 ♈ 9 21:42 ♈ 12 08:59 ♈ 14 21:51 ♈ 17 10:43 ♈ 19 21:22 ♈ 22 04:06 ♈ 24 06:53 ♈ 26 07:07 ♈ 28 06:45 ♈ 30 07:40	Sept. -135j ♈ 1 11:13 ♈ 3 17:57 ♈ 6 03:33 ♈ 8 15:15 ♈ 11 04:09 ♈ 13 17:05 ♈ 16 04:28 ♈ 18 12:44 ♈ 20 17:09 ♈ 22 18:18 ♈ 24 17:45 ♈ 26 17:26 ♈ 28 19:12	Oct. -135j ♈ 1 00:26 ♈ 3 09:26 ♈ 5 21:16 ♈ 8 10:16 ♈ 10 22:59 ♈ 13 10:17 ♈ 15 19:18 ♈ 18 01:20 ♈ 20 04:58 ♈ 22 04:44 ♈ 24 05:28 ♈ 26 09:02 ♈ 30 16:34	Nov. -135j ♈ 2 03:48 ♈ 4 16:50 ♈ 7 05:24 ♈ 9 16:09 ♈ 12 00:46 ♈ 14 07:16 ♈ 16 11:42 ♈ 18 14:10 ♈ 20 15:19 ♈ 22 16:25 ♈ 24 19:14 ♈ 27 01:24 ♈ 29 11:31	Dec. -135j ♈ 2 00:15 ♈ 4 12:54 ♈ 6 23:21 ♈ 9 07:06 ♈ 11 12:46 ♈ 13 17:08 ♈ 15 20:35 ♈ 17 23:19 ♈ 20 01:50 ♈ 22 05:14	Jan. -134j ♈ 3 07:58 ♈ 5 15:24 ♈ 7 20:02 ♈ 9 23:09 ♈ 12 01:56 ♈ 14 05:00 ♈ 16 08:40 ♈ 18 13:20 ♈ 20 19:45 ♈ 23 04:48 ♈ 25 16:32 ♈ 28 05:27 ♈ 30 16:58	Feb. -134j ♈ 2 01:03 ♈ 4 05:31 ♈ 6 07:33 ♈ 8 08:48 ♈ 10 10:40 ♈ 12 14:04 ♈ 14 19:22 ♈ 17 02:45 ♈ 19 12:22 ♈ 22 00:05 ♈ 24 12:59 ♈ 27 01:10	March -134j ♈ 1 10:27 ♈ 3 15:52 ♈ 5 17:56 ♈ 7 18:11 ♈ 9 18:26 ♈ 11 20:18 ♈ 14 00:51 ♈ 16 08:26 ♈ 18 18:39 ♈ 21 06:43 ♈ 23 19:38 ♈ 26 08:03 ♈ 28 18:22 ♈ 31 01:17	April -134j ♈ 2 04:33 ♈ 4 05:03 ♈ 6 04:28 ♈ 8 04:45 ♈ 10 07:40 ♈ 12 14:17 ♈ 15 00:25 ♈ 17 12:46 ♈ 20 01:43 ♈ 22 14:01 ♈ 25 00:39 ♈ 27 08:44 ♈ 29 13:37	May -134j ♈ 1 15:27 ♈ 3 15:18 ♈ 5 14:58 ♈ 7 16:29 ♈ 9 21:34 ♈ 12 06:45 ♈ 14 18:55 ♈ 17 07:54 ♈ 19 19:57 ♈ 22 06:15 ♈ 24 14:31 ♈ 26 20:28 ♈ 28 23:53 ♈ 31 01:07	June -134j ♈ 2 01:22 ♈ 4 02:29 ♈ 6 06:24 ♈ 8 14:19 ♈ 11 01:49 ♈ 13 14:42 ♈ 16 02:38 ♈ 18 12:25 ♈ 20 20:05 ♈ 23 01:56 ♈ 25 06:09 ♈ 27 08:47 ♈ 29 10:24	July -134j ♈ 1 12:13 ♈ 3 15:56 ♈ 5 22:58 ♈ 8 09:37 ♈ 10 22:17 ♈ 13 10:20 ♈ 15 19:58 ♈ 18 02:53 ♈ 20 07:48 ♈ 22 11:30 ♈ 24 14:32 ♈ 26 17:16 ♈ 28 20:21 ♈ 31 00:48	Aug. -134j ♈ 2 07:48 ♈ 4 17:54 ♈ 7 06:17 ♈ 9 18:41 ♈ 12 04:45 ♈ 14 11:33 ♈ 16 15:33 ♈ 18 17:59 ♈ 20 20:04 ♈ 22 22:43 ♈ 25 02:33 ♈ 27 08:05 ♈ 29 15:46	Sept. -134j ♈ 1 01:54 ♈ 3 14:05 ♈ 6 02:48 ♈ 8 13:48 ♈ 10 21:26 ♈ 13 01:27 ♈ 15 02:55 ♈ 17 03:27 ♈ 19 04:43 ♈ 21 07:58 ♈ 23 13:50 ♈ 25 22:19 ♈ 28 08:58 ♈ 30 21:11	Oct. -134j ♈ 3 10:01 ♈ 5 21:53 ♈ 8 06:56 ♈ 10 12:09 ♈ 12 13:52 ♈ 14 13:32 ♈ 16 13:08 ♈ 18 14:39 ♈ 20 19:31 ♈ 23 03:57 ♈ 25 15:04 ♈ 28 03:33 ♈ 30 16:18	Nov. -134j ♈ 2 04:24 ♈ 4 14:37 ♈ 6 21:38 ♈ 9 00:51 ♈ 11 01:04 ♈ 13 00:01 ♈ 14 23:57 ♈ 17 02:58 ♈ 19 10:08 ♈ 21 20:59 ♈ 24 09:38 ♈ 26 22:21 ♈ 29 10:10	Dec. -134j ♈ 1 20:31 ♈ 4 04:38 ♈ 6 09:42 ♈ 8 11:38 ♈ 10 11:28 ♈ 12 11:07 ♈ 14 12:47 ♈ 16 18:13 ♈ 19 03:50 ♈ 21 16:12 ♈ 24 04:57 ♈ 26 16:27 ♈ 29 02:11 ♈ 31 10:05	Jan. -133j ♈ 2 15:56 ♈ 4 19:29 ♈ 6 21:02 ♈ 8 21:48	Feb. -133j ♈ 1 01:06 ♈ 3 03:50 ♈ 5 06:09 ♈ 7 09:02 ♈ 9 13:46 ♈ 11 21:24 ♈ 14 08:04 ♈ 16 20:31 ♈ 19 08:24 ♈ 21 17:49 ♈ 24 00:12 ♈ 26 04:11 ♈ 28 06:50	March -133j ♈ 2 09:13 ♈ 4 12:09 ♈ 6 16:14 ♈ 8 22:01 ♈ 11 05:59 ♈ 13 16:22 ♈ 16 04:33 ♈ 18 16:50 ♈ 21 03:02 ♈ 23 09:47 ♈ 25 13:13 ♈ 27 14:34 ♈ 29 15:31 ♈ 31 17:36	April -133j ♈ 2 21:48 ♈ 5 04:22 ♈ 7 13:08 ♈ 9 23:47 ♈ 12 11:54 ♈ 15 00:28 ♈ 17 11:36 ♈ 19 19:30 ♈ 21 23:28 ♈ 24 00:23 ♈ 26 00:03 ♈ 28 00:33 ♈ 30 03:34	May -133j ♈ 2 09:50 ♈ 4 19:01 ♈ 7 06:09 ♈ 9 18:24 ♈ 12 07:00 ♈ 14 18:46 ♈ 17 03:57 ♈ 19 09:19 ♈ 21 10:58 ♈ 23 10:23 ♈ 25 09:43 ♈ 27 11:07 ♈ 29 16:03	June -133j ♈ 1 00:42 ♈ 3 11:58 ♈ 6 00:24 ♈ 8 12:56 ♈ 11 00:43 ♈ 13 10:38 ♈ 15 17:26 ♈ 17 20:37 ♈ 19 20:57 ♈ 21 20:14 ♈ 23 20:37 ♈ 26 00:02 ♈ 28 07:23 ♈ 30 18:07	July -133j ♈ 3 06:33 ♈ 5 19:00 ♈ 8 06:26 ♈ 10 16:12 ♈ 12 33:28 ♈ 14 16:48 ♈ 16 27:40 ♈ 19 06:31 ♈ 21 07:03	Aug. -132j ♈ 2 05:26 ♈ 4 12:33 ♈ 6 15:45 ♈ 8 16:08 ♈ 10 15:32 ♈ 12 15:56 ♈ 14 18:57 ♈ 17 01:25 ♈ 19 11:09 ♈ 21 23:07 ♈ 24 12:02 ♈ 27 00:38 ♈ 29 11:40 ♈ 31 19:56	Sept. -132j ♈ 2 11:03 ♈ 5 19:32 ♈ 8 05:06 ♈ 10 17:23 ♈ 13 06:14 ♈ 15 16:53 ♈ 17 23:51 ♈ 20 03:37 ♈ 22 05:39 ♈ 24 07:33 ♈ 26 10:19 ♈ 28 14:25 ♈ 30 20:00	Oct. -132j ♈ 2 22:15 ♈ 5 00:21 ♈ 7 03:53 ♈ 9 10:24 ♈ 11 20:32 ♈ 14 09:11 ♈ 16 21:41 ♈ 19 07:41 ♈ 21 14:35 ♈ 23 19:10 ♈ 25 22:38 ♈ 28 01:47 ♈ 30 04:59	Nov. -132j ♈ 1 08:29 ♈ 3 12:58 ♈ 5 19:32 ♈ 8 05:06 ♈ 10 17:23 ♈ 13 06:14 ♈ 15 16:53 ♈ 17 23:51 ♈ 20 03:37 ♈ 22 05:39 ♈ 24 07:33 ♈ 26 10:19 ♈ 28 14:25 ♈ 30 20:00	Dec. -132j ♈ 3 03:26 ♈ 5 13:11 ♈ 8 01:14 ♈ 10 14:18 ♈ 13 01:55 ♈ 15 09:59 ♈ 17 14:06 ♈ 19 15:25 ♈ 21 15:45 ♈ 23 16:50 ♈ 25 19:54 ♈ 28 01:31 ♈ 30 09:41	Jan. -131j ♈ 1 20:05 ♈ 4 08:16 ♈ 6 21:21 ♈ 9 09:37 ♈ 11 19

with clock times in UT/GMT. The year -131 astronomical counting style corresponds to year 132 B.C.E historical counting style.

Sept. -131j	March -130j	Sept. -130j	Apr. -129j	Oct. -129j	Apr. -128j	Nov. -128j	May -127j	Nov. -127j	June -126j	Dec. -126j	June -125j
2 02:54	14 16:38	24 06:32	1 07:29	11 20:21	22 09:51	1 22:56	14 11:58	24 00:37	1 04:40	11 16:32	23 02:26
4 11:14	17 02:10	26 16:35	3 12:59	14 02:32	24 16:14	4 05:33	16 18:53	26 07:33	3 07:40	13 19:00	25 05:25
6 22:36	19 13:54	29 04:12	5 21:04	16 10:47	27 00:53	6 14:31	19 04:17	28 17:22	5 12:23	16 00:02	27 11:57
9 11:19	22 02:30		8 07:14	18 21:11	29 11:52	9 01:50	21 15:56		7 20:01	18 08:46	29 22:20
11 23:58	24 15:02	Oct. -130j	10 19:06	21 09:29		11 14:29	24 04:26	Dec. -127j	10 06:52	20 20:47	
14 11:38	27 02:37	1 16:46	13 08:02	23 22:34	May -128j	14 02:24	26 15:33	1 05:33	12 19:35	23 09:44	July -125j
16 21:32	29 11:56	4 05:26	15 20:35	26 10:15	2 00:31	16 11:30	28 23:33	3 18:04	15 07:34	25 20:55	2 10:58
19 04:38	31 17:46	6 16:37	18 06:35	28 18:29	4 13:06	18 16:55	31 04:06	6 04:23	17 16:43	28 05:06	4 23:18
21 08:23		9 00:28	20 12:35	30 22:36	6 23:27	20 19:18		8 11:14	19 22:39	30 10:42	7 09:31
23 09:11	Apr. -130j	11 04:10	22 14:44		9 06:08	22 20:07	June -127j	10 14:59	22 02:19		9 17:20
25 08:31	2 19:56	13 04:33	24 14:31	Nov. -129j	11 09:17	24 21:05	2 06:10	12 17:06	24 05:00	Jan. -125j	11 23:13
27 08:30	4 19:33	15 03:33	26 13:59	1 23:38	13 10:09	26 23:38	4 07:20	14 19:06	26 07:44	1 14:48	14 03:40
29 11:15	6 18:41	17 03:25	28 15:04	3 23:24	15 10:24	29 07:12	6 09:07	16 22:04	28 11:02	3 18:14	16 06:54
	8 19:32	19 06:06	30 19:09	5 23:50	17 11:43	31 19:59	8 12:37	19 02:27	30 15:11	5 21:22	18 09:13
Oct. -131j	10 23:55	21 12:33		8 02:26	19 15:20		10 18:15	21 08:20		8 00:27	20 11:25
1 18:09	13 08:21	23 22:22	May -129j	10 08:02	21 21:49	Dec. -128j	12 12:05	23 15:56	July -126j	10 04:06	22 14:52
4 04:54	15 19:50	26 10:14	3 02:38	12 16:37	24 07:04	3 21:48	15 11:47	26 01:40	2 20:42	12 09:29	24 20:59
6 17:38	18 08:31	28 22:53	5 12:58	15 03:35	26 18:29	6 09:15	17 23:23	28 13:33	5 04:25	14 17:44	27 06:35
9 06:12	20 20:56	31 11:21	8 01:09	17 16:05	29 07:12	8 21:50	20 12:01	31 02:23	7 14:54	17 05:05	29 18:49
11 17:28	23 08:15		10 14:06	20 05:06	31 19:59	11 10:15	22 23:55		10 03:31	19 18:00	
14 03:03	25 17:48	Nov. -130j	13 02:40	22 17:15		13 20:38	25 08:58	Jan. -126j	12 16:00	22 05:43	Aug. -125j
16 10:42	28 00:43	2 22:42	15 13:20	25 02:49	June -128j	16 03:26	27 14:05	2 13:40	15 01:46	24 14:11	1 07:19
18 15:54	30 04:30	5 07:38	17 20:46	27 08:41	3 07:11	18 06:23	29 15:48	4 21:20	17 07:42	26 19:16	3 17:44
20 18:29		7 13:08	20 00:28	29 10:57	5 15:15	20 06:36		7 01:01	19 10:32	28 22:07	5 01:09
22 19:08	May -130j	9 15:11	22 01:13		7 19:34	22 06:02	July -127j	9 02:02	21 11:55	31 00:13	8 06:04
24 19:25	2 05:34	11 14:59	24 00:40	Dec. -129j	9 20:43	24 06:45	1 15:46	11 02:24	23 13:30		10 09:28
26 21:25	4 05:21	13 14:30	26 00:45	1 10:50	11 20:16	26 10:24	3 16:02	13 03:57	25 16:24	Feb. -125j	12 12:16
29 02:53	6 05:51	15 15:48	28 03:14	3 10:12	13 20:07	28 17:38	5 18:22	15 07:48	27 21:00	2 02:42	14 15:04
31 12:24	8 08:59	17 20:28	30 09:17	5 10:59	15 22:08	31 03:49	7 23:40	17 14:08	30 03:25	4 06:09	16 18:24
	10 15:59	20 05:03		7 14:51	18 03:36		10 07:51	19 22:36		6 10:53	18 22:57
Nov. -131j	13 02:35	22 16:37	June -129j	9 22:33	20 12:42	Jan. -127j	12 18:12	22 08:51	Aug. -126j	8 17:18	20 05:35
3 00:44	15 15:04	25 05:20	1 18:59	12 09:31	23 00:25	2 15:43	15 06:00	24 20:46	1 11:47	11 01:58	23 14:58
5 13:21	18 03:25	27 17:35	4 07:09	14 22:17	25 13:17	5 04:19	17 18:41	27 09:40	3 22:24	13 13:07	26 02:50
8 00:22	20 14:20	30 04:25	6 20:08	17 11:13	28 01:59	7 16:45	20 07:05	29 21:47	6 10:58	16 01:55	28 15:33
10 09:13	22 23:20		9 08:26	19 23:09	30 13:29	10 03:55	22 17:22		8 23:54	18 14:14	31 02:40
12 16:10	25 06:14	Dec. -130j	11 18:59	22 09:09		12 12:18	24 23:53	Feb. -126j	11 10:42	20 23:42	
14 21:27	27 10:51	2 13:14	14 03:03	24 16:25	July -128j	14 16:54	27 02:23	1 06:50	13 17:36	23 05:20	Sept. -125j
17 01:08	29 13:23	4 19:36	16 08:09	26 20:34	2 22:39	16 17:59	29 02:09	3 11:39	15 20:37	25 07:47	2 10:33
19 03:26	31 14:36	6 23:20	18 10:32	28 21:55	5 04:34	18 17:08	31 01:17	5 12:53	17 21:12	27 08:36	4 15:05
21 05:09		9 00:55	20 11:06	30 21:43	7 07:05	20 16:31		7 12:22	19 21:19		6 17:18
23 07:43	June -130j	11 01:31	22 11:20		9 07:07	22 18:20	Aug. -127j	9 12:15	21 22:43	March -125j	8 18:41
25 12:42	2 15:53	13 02:46	24 12:59	Jan. -128j	11 06:24	25 00:32	2 01:58	11 14:24	24 02:29	1 09:29	10 20:34
27 21:11	4 18:51	15 06:20	26 17:37	3 23:59	13 07:02	27 09:09	4 05:52	13 19:45	26 08:59	3 11:47	12 23:54
30 08:45	7 00:53	17 13:25	29 02:06	6 06:01	15 10:54	29 21:43	6 13:27	16 04:12	28 17:57	5 16:20	15 05:14
	9 10:25	20 00:02		8 16:05	17 18:56		8 23:56	18 14:57	31 05:02	7 23:22	17 12:48
Dec. -131j	11 22:27	22 12:37	July -129j	1 13:47	20 06:23	Feb. -127j	11 12:01	21 03:09		10 08:47	19 22:37
2 21:25	14 10:50	25 00:55	4 02:44	11 04:46	22 19:20	1 10:26	14 00:42	23 16:00	Sept. -126j	12 20:15	22 10:24
5 08:41	16 21:38	27 11:17	6 14:49	13 17:43	25 07:54	3 22:40	16 13:07	26 04:21	2 17:39	15 09:01	24 23:13
7 17:15	19 05:59	29 19:14	9 00:49	16 05:14	27 19:06	6 09:46	19 00:05	28 14:29	5 06:45	17 21:40	27 11:10
9 23:11	21 12:01		18 14:44	18 14:44	30 04:28	8 18:54	21 08:04		7 18:27	20 08:12	29 20:17
12 03:19	23 16:14	Jan. -129j	20 22:09	20 22:09		11 01:05	23 12:13	March -126j	10 02:50	22 15:10	
14 06:29	25 19:14	1 01:01	23 13:59	23 03:26	Aug. -128j	13 03:56	25 13:02	2 20:56	12 07:09	24 18:25	Oct. -125j
16 09:18	27 21:38	3 05:07	15 17:36	25 06:34	1 11:28	15 04:11	27 12:11	4 23:33	14 08:11	26 19:01	2 01:35
18 12:19	30 00:15	5 08:01	17 19:43	27 07:55	3 15:38	17 03:37	29 11:52	6 23:30	16 07:39	28 18:42	4 03:33
20 16:14		7 10:17	19 21:08	29 08:39	5 17:08	19 04:23	31 14:08	8 22:46	18 07:30	30 19:19	6 03:42
22 21:55	July -130j	9 12:44	21 23:04	31 10:28	7 17:06	21 08:27		10 23:23	20 09:32		8 03:53
25 06:11	2 04:02	11 16:31	24 03:05		9 17:23	23 16:39	Sept. -127j	13 03:00	22 14:52	Apr. -125j	10 05:50
27 17:10	4 10:01	13 22:51	26 10:28	Feb. -128j	11 20:02	26 04:09	2 20:13	15 10:19	24 23:37	1 22:27	12 10:41
30 05:43	6 18:55	16 08:27	28 21:22	2 15:13	14 02:38	28 16:53	5 05:59	17 20:50	27 11:01	4 04:55	14 18:39
	9 06:25	18 20:38	31 10:10	4 23:59	16 13:12		7 18:04	20 09:12	29 23:49	6 14:36	17 05:07
Jan. -130j	11 18:54	21 09:10		7 12:03	19 01:58	March -127j	10 06:46	22 22:03		9 02:29	19 17:10
1 17:36	14 06:02	23 19:42	Aug. -129j	10 01:01	21 14:28	3 04:59	12 18:54	25 10:10	Oct. -126j	11 15:21	22 05:56
4 02:45	16 14:17	26 03:03	2 22:18	12 12:26	24 01:14	5 15:36	15 05:41	27 20:29	2 12:48	14 03:58	24 18:19
6 08:29	18 19:29	28 07:41	5 07:54	14 21:16	26 10:01	8 00:24	17 14:16	30 03:59	5 00:42	16 15:04	27 04:43
8 11:30	20 22:32	30 10:44	7 14:42	17 03:51	28 16:56	10 07:03	19 19:54		7 10:10	18 23:23	29 11:40
10 13:09	23 00:42		9 19:28	19 08:50	30 21:57	12 11:15	21 22:28	Apr. -126j	9 16:15	21 04:11	31 14:45
12 14:51	25 03:09	Feb. -129j	11 23:04	21 12:37		14 13:10	23 22:54	1 08:16	11 18:53	23 05:47	
14 17:45	27 06:36	1 13:24	14 02:06	23 15:24	Sept. -128j	16 13:50	25 22:53	3 09:43	13 19:04	25 05:26	Nov. -125j
16 22:27	29 11:31	3 16:26	16 04:54	25 17:36	2 00:59	18 14:55	28 00:20	5 09:42	15 18:29	27 05:01	2 14:54
19 05:14	31 18:15	5 20:13	18 08:00	27 20:15	4 02:28	20 18:15	30 04:56	7 09:56	17 19:05	29 06:31	4 13:57
21 14:08		8 01:08	20 12:25		6 03:36	23 01:10		9 12:15	19 22:37		6 14:06
24 01:05	Aug. -130j	10 07:49	22 19:23	March -128j	8 06:07	25 11:38	Oct. -127j	11 18:00	22 06:06	May -125j	8 17:16
26 13:30	3 03:10	12 17:02	25 05:35	1 00:53	10 11:45	28 00:06	2 13:21	14 03:30	24 17:09	1 11:32	11 00:22
29 01:55	5 14:22	15 04:47	27 18:10	3 08:48	12 21:13	30 12:14	5 00:53	16 15:40	27 06:04	3 20:31	13 10:54
31 12:12	8 02:55	17 17:34	30 06:38	5 20:06	15 09:28		7 13:34	19 04:30	29 18:55	6 08:25	15 23:17
	10 14:45	20 04:47		8 08:58	17 22:03	Apr. -127j	10 01:31	21 16:19		8 21:24	18 12:04
Feb. -130j	12 23:42	22 12:29	Sept. -129j	10 20:40	20 08:45	1 22:32	12 11:41	24 02:07	Nov. -126j	11 09:51	21 00:18
2 18:52	15 04:53	24 16:33	1 16:28	13 05:24	22 16:52	4 06:34	14 19:43	26 09:36	1 06:24	13 20:51	23 01:35
4 21:51	17 07:01	26 18:19	3 22:48	15 11:11	24 22:49	6 12:33	17 01:35	28 14:42	3 15:53	16 05:43	25 19:37
6 22:26	19 07:47	28 19:35	6 02:28	17 15:01	27 03:17	8 16:48	19 05:24	30 17:40	5 22:57	18	

with clock times in UT/GMT. The year -124 astronomical counting style corresponds to year 125 B.C.E historical counting style.

Jan. -124j	July -124j	Jan. -123j	Aug. -123j	Feb. -122j	Aug. -122j	March -121j	Sept. -121j	March -120j	Oct. -120j	Apr. -119j	Oct. -119j
2 13:03	13 23:08	23 11:02	2 17:49	12 05:44	24 17:37	1 22:59	11 09:49	22 23:10	2 12:17	14 01:38	24 14:04
4 16:59	16 04:55	18 05:05	4 22:45	14 11:59	27 01:39	4 01:33	13 14:18	25 04:28	4 17:48	16 07:05	26 19:34
7 01:01	18 14:29	28 04:39	7 07:22	16 21:54	29 12:33	6 07:31	15 21:30	27 11:54	7 01:06	18 14:44	29 03:39
9 12:29	21 02:32	30 17:12	9 18:53	19 10:13	19 10:13	8 16:37	18 06:52	29 21:17	9 10:39	21 01:00	31 14:32
12 01:16	23 15:05		12 07:44	21 23:17	Sept. -122j	11 03:51	20 17:55		11 22:32	23 13:24	
14 13:09	26 02:43	Feb. -123j	14 20:27	24 11:46	1 00:59	13 16:12	23 06:16	Apr. -120j	14 11:35	26 02:04	Nov. -119j
16 23:06	28 12:40	2 05:58	17 07:49	26 22:39	3 13:45	16 04:52	25 19:03	1 08:36	16 23:25	28 12:36	3 03:07
19 07:04	30 20:33	4 17:38	19 16:55		6 01:51	18 16:45	28 06:24	3 21:22	19 07:46	30 19:32	5 15:07
21 13:10		7 03:26	21 23:07	March -122j	8 12:06	21 02:18	30 08:08	6 10:02	21 12:06		8 00:24
23 17:26	Aug. -124j	9 10:46	24 02:17	1 07:01	10 19:16	23 08:08		8 20:15	23 13:30	May -119j	10 06:17
25 19:59	2 02:02	11 15:22	26 03:09	3 12:15	12 22:48	25 10:11	Oct. -121j	11 02:23	25 13:49	2 23:06	12 09:25
27 21:32	4 05:06	13 17:30	28 03:05	5 14:24	14 23:19	27 09:42	2 18:02	13 04:40	27 14:50	5 00:34	14 11:09
29 23:23	6 06:24	15 18:09	30 03:54	7 14:24	16 22:28	29 08:47	4 18:27	15 04:40	29 17:49	7 01:31	16 12:53
	8 07:14	17 18:49		9 13:59	18 22:23	31 09:40	6 17:37	17 04:27	31 23:20	9 03:21	18 15:43
Feb. -124j	10 09:16	19 21:12	Sept. -123j	11 15:09	21 01:08		8 17:45	19 05:52		11 07:02	20 20:17
1 03:10	12 14:05	22 02:47	1 07:20	13 19:42	23 07:56	Apr. -121j	10 20:39	21 10:07	Nov. -120j	13 13:02	22 02:53
3 10:10	14 22:28	24 12:06	3 14:35	16 04:26	25 18:30	2 14:03	13 03:06	23 17:23	3 07:19	15 21:27	25 11:39
5 20:37	17 09:52	27 00:13	6 01:28	18 16:26	28 07:04	4 22:22	15 12:37	26 03:13	5 17:31	18 08:09	27 22:31
8 09:03	19 22:25		8 14:19	21 05:33	30 19:49	7 09:37	18 00:05	28 14:55	8 05:33	20 20:33	30 10:55
10 21:08	22 09:58	March -123j	11 02:54	23 17:49		9 22:11	20 12:33		10 18:36	23 09:25	
13 06:59	24 19:22	1 12:59	13 13:45	26 04:16	Oct. -122j	12 10:46	23 01:15	May -120j	13 07:01	25 20:49	Dec. -119j
15 14:12	27 02:24	4 00:26	15 22:26	28 12:40	3 07:37	14 22:36	25 13:04	1 03:44	15 16:47	28 04:58	2 23:25
17 19:13	29 07:26	6 09:31	18 04:55	30 18:50	5 17:56	17 08:42	27 22:22	3 16:34	17 22:36	30 09:21	5 09:52
19 22:49	31 10:57	8 16:14	20 09:21		8 02:06	19 15:56	30 03:50	6 03:38	20 00:43		7 16:44
22 01:39		10 21:00	22 11:55	Apr. -122j	10 07:21	21 19:37		8 11:15	22 00:36	June -119j	9 19:55
24 04:21	Sept. -124j	13 00:15	24 13:14	1 22:34	12 09:33	23 20:17	Nov. -121j	10 14:52	24 00:10	1 10:41	11 20:36
26 07:36	2 13:31	15 02:29	26 14:29	4 00:08	14 09:37	25 19:35	1 05:34	12 15:26	26 01:18	3 10:34	13 20:39
28 12:18	4 15:49	17 04:28	28 17:19	6 00:34	16 09:19	27 19:40	3 04:59	14 14:45	28 05:23	5 10:50	15 21:54
	6 18:49	19 07:18	30 23:20	8 01:33	18 10:50	29 22:32	5 04:15	16 14:49	30 12:57	7 13:08	18 01:44
March -124j	8 23:40	21 12:21	Oct. -123j	10 05:01	20 16:01		7 05:27	18 17:24		9 18:31	20 08:36
1 19:20	11 07:20	23 20:38	1 09:11	12 12:23	23 01:25	May -121j	9 10:10	20 23:27	Dec. -120j	12 03:09	22 18:07
4 05:10	13 18:00	26 08:02	3 09:11	14 23:32	25 13:41	2 05:23	11 18:44	23 08:56	3 23:40	14 14:19	25 05:27
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9 05:32	18 18:23	31 08:22	8 10:24	20 00:40	30 13:58	7 04:21	16 18:45	28 09:43	8 00:53	19 15:48	30 06:29
11 15:56	21 03:46		10 21:00	23 10:39		9 16:54	19 07:16	30 22:25	10 13:18	22 03:40	
13 23:09	23 10:03	Apr. -123j	13 04:51	26 04:16	Nov. -122j	12 04:23	21 18:47		12 23:50	24 13:03	Jan. -118j
16 03:20	25 13:53	2 17:05	15 10:30	29 00:13	1 23:40	14 14:12	24 04:24	June -120j	15 07:17	26 18:56	1 17:52
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22 09:45		9 05:38	21 21:00	May -122j	8 17:15	21 05:04	30 15:48	6 23:24	21 11:35		8 07:53
24 13:39	Oct. -124j	11 08:30	23 23:39	1 07:25	10 19:01	23 05:37		9 01:27	23 11:27	July -119j	10 07:07
26 19:25	2 12:09	13 11:43	26 03:07	3 09:17	12 19:51	25 06:06	Dec. -121j	11 01:30	25 13:41	2 20:29	12 06:41
28 09:34	4 02:26	15 15:44	28 08:47	5 11:11	14 21:29	27 08:22	2 15:40	13 01:17	27 19:41	4 21:13	14 08:42
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	8 16:02	20 05:17		9 21:17	19 09:49	31 23:18	6 19:30	17 07:10		9 08:58	18 23:48
Apr. -124j	11 02:18	22 16:10	Nov. -123j	12 07:31	21 21:18	23 01:18	9 02:27	19 15:30	Jan. -119j	11 20:07	21 11:31
3 00:59	13 14:35	25 04:51	2 05:50	14 20:06	24 10:01	26 13:36	11 12:58	22 03:01	1 18:05	14 08:54	24 00:07
5 13:31	16 03:05	27 16:53	4 18:44	17 08:25	28 21:36	3 11:16	14 01:31	24 15:57	4 07:08	16 21:42	26 12:36
8 00:46	18 13:16	30 01:56	7 05:40	19 18:22	30 06:49	5 23:48	16 14:01	27 04:27	6 19:13	19 09:29	29 00:11
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12 13:09	22 22:46	May -123j	11 17:52	25 06:19	Dec. -122j	10 20:16	21 10:01		11 13:38	24 02:40	
14 14:37	24 23:54	2 07:21	13 20:52	28 09:56	1 13:44	13 03:19	23 16:46	July -120j	13 19:06	26 06:41	Feb. -118j
16 14:55	27 00:59	4 10:05	15 23:33	30 15:46	3 18:55	15 08:20	25 21:21	2 13:49	15 21:53	28 07:48	2 15:59
18 15:55	29 03:31	6 11:47	18 12:38		5 22:49	17 11:35	30 00:03	4 05:52	17 22:46	30 07:19	4 18:35
20 19:05	31 08:09	8 13:54	20 06:23	June -122j	8 01:43	19 13:35	21 15:20	6 09:26	19 22:40		6 18:28
23 01:03		10 17:16	22 11:06	1 18:55	10 04:08	23 18:07	25 15:20	8 11:02	21 23:58	Aug. -119j	8 17:33
25 09:33	Nov. -124j	12 12:08	24 17:29	3 23:18	12 07:00	14 11:36	28 23:18	10 11:42	24 04:23	1 07:14	10 18:06
27 20:03	2 14:53	15 04:38	27 02:22	6 06:02	14 11:36	16 19:05	30 19:02	12 12:56	26 12:55	3 09:38	12 22:03
30 07:57	4 23:29	17 13:06	30 14:00	8 15:50	16 05:43	19 05:43		14 16:26	29 00:53	5 16:02	15 06:10
	7 09:56	19 23:53		11 04:03	21 18:14	24 06:13	July -121j	16 23:28	31 13:57	8 02:27	17 17:34
May -124j	9 22:07	22 12:30	Dec. -123j	13 16:36	24 06:13	28 03:48	3 05:58	19 10:09	19 10:09	10 15:08	20 06:17
2 20:34	12 10:59	25 01:04	2 03:01	16 03:02	26 15:41	30 16:22	5 11:46	12 21:22	22 11:22	13 03:53	22 18:39
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7 17:49	17 06:03	29 16:59	6 23:04	20 14:18	30 16:42		9 03:48	16 16:59	26 21:43	18 00:54	27 15:28
9 23:15	19 09:33	31 19:26	9 03:35	22 16:42			11 09:57	19 22:43	29 05:32	20 08:33	
12 01:01	21 10:03		11 05:31	24 18:40	Jan. -121j	10 09:57	12 14:03	20 22:44	31 11:15	22 13:51	March -118j
14 00:37	23 09:37	June -123j	13 06:36	26 21:09	2 04:40	12 14:03	16 16:58	24 05:51		24 16:38	1 22:41
16 00:12	25 10:21	2 20:02	15 08:22	28 12:58	4 07:04	18 22:29	20 21:27	26 08:39	2 15:22	26 17:29	4 02:56
18 01:49	27 13:47	4 20:42	17 11:44	30 15:46	6 10:01	21 02:27	23 08:11	28 11:38	4 18:17	28 17:50	6 04:26
20 06:45	29 20:21	6 22:57	19 17:03	July -122j	8 14:06	24 09:55	26 16:22	30 15:31	6 20:26	30 19:39	8 04:24
22 15:07		9 03:33	22 00:24	1 06:12	10 19:51	28 03:48	30 15:31		8 22:37		10 04:47
25 01:59	Dec. -124j	11 10:31	24 09:55	3 13:43	13 03:46	15 14:06	18 02:21	Feb. -120j	11 02:09	18 10:24	12 07:34
27 14:09	2 05:31	13 19:39	26 21:34	5 23:40	15 14:06	18 02:21	20 14:47	13 08:26	11 10:29	20 23:06	14 14:11
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	9 17:42	17 08:17	30 16:06	11 00:29	20 14:47	22 04:03	24 04:03	17 19:06	15 18:14	24 16:38	18 04:26
June -124j	12 05:48	19 16:16	Jan. -122j	13 11:43	22 02:16	24 04:03	26 16:58	19 22:43	18 10:24	26 17:29	20 04:08
1 14:52	14 15:03	21 23:33	3 08:38	15 19:42	26 06:19	28 03:48	30 15:31	20 19:17	20 23:06	28 17:50	31 08:59
4 01:10	16 20:09	23 06:12	5 14:14	18 00:02	28 11:50	30 15:31		22 05:36	22 13:51		
6 08:06	18 21:27	25 20:40	7 16:20	20 01:42	30 15:31			24 11:22	24 16:38		
8 11:11	20 20:40	27 02:34	9 16:27	22 02:16				26 17:26	26 17:26		
10 11:18	22 20:01	29 11:11	11 16:31	24 03:22	Feb. -121j	2 15:33	4 12:45	28 11:38	28 11:38		
12 10:23	24 21:33										

with clock times in UT/GMT. The year -118 astronomical counting style corresponds to year 119 B.C.E historical counting style.

May -118j ♈ 1 19:58 ♈ 3 22:41 ♈ 6 02:31 ♈ 8 08:28 ♈ 10 17:15 ♈ 13 04:37 ♈ 15 17:05 ♈ 18 04:22 ♈ 20 12:48 ♈ 22 18:07 ♈ 24 21:08 ♈ 26 23:08 ♈ 29 01:21 ♈ 31 04:39	Nov. -118j ♏ 11 08:15 ♏ 13 10:38 ♏ 15 14:19 ♏ 17 20:32 ♏ 20 05:58 ♏ 22 18:01 ♏ 25 06:34 ♏ 27 17:14 ♏ 30 00:48	May -117j ♊ 23 19:48 ♊ 25 21:54 ♊ 28 01:53 ♊ 30 08:59	Dec. -117j ♐ 1 06:05 ♐ 3 06:51 ♐ 5 08:33 ♐ 7 13:02 ♐ 9 21:28 ♐ 12 09:21 ♐ 14 22:24 ♐ 17 10:01 ♐ 19 19:02 ♐ 22 01:41 ♐ 24 06:43 ♐ 26 10:36 ♐ 28 13:34 ♐ 30 15:54	June -116j ♊ 11 16:06 ♊ 13 16:29 ♊ 15 18:56 ♊ 18 01:04 ♊ 20 11:14 ♊ 22 23:51 ♊ 25 12:26 ♊ 27 23:17 ♊ 30 07:59	Dec. -116j ♐ 22 02:03 ♐ 24 02:33 ♐ 26 06:12 ♐ 28 14:05 ♐ 31 01:31	July -115j ♊ 1 11:17 ♊ 3 10:54 ♊ 5 12:51 ♊ 7 18:31 ♊ 10 03:59 ♊ 12 15:54 ♊ 15 04:31 ♊ 17 16:33 ♊ 20 03:16 ♊ 22 11:55 ♊ 24 17:47 ♊ 26 20:41 ♊ 28 21:23 ♊ 30 21:29	Jan. -114j ♏ 10 21:12 ♏ 12 21:30 ♏ 15 00:47 ♏ 17 07:53 ♏ 19 18:18 ♏ 22 06:40 ♏ 24 19:31 ♏ 27 07:43 ♏ 29 18:17	July -114j ♊ 23 06:20 ♊ 25 08:08 ♊ 27 13:08 ♊ 29 21:33	Feb. -113j ♒ 1 17:31 ♒ 3 20:21 ♒ 6 02:35 ♒ 8 12:06 ♒ 10 23:57 ♒ 13 12:53 ♒ 16 01:41 ♒ 18 13:04 ♒ 20 21:44 ♒ 23 02:53 ♒ 25 04:43 ♒ 27 04:26	Aug. -113j ♌ 14 04:17 ♌ 16 08:46 ♌ 18 16:22 ♌ 21 02:36 ♌ 23 14:36 ♌ 26 03:22 ♌ 28 15:45 ♌ 31 02:14	Feb. -112j ♒ 23 16:59 ♒ 25 22:44 ♒ 28 07:13																														
June -118j ♊ 2 09:33 ♊ 4 16:20 ♊ 7 01:19 ♊ 9 12:28 ♊ 12 00:58 ♊ 14 12:54 ♊ 16 22:08 ♊ 19 03:38 ♊ 21 05:57 ♊ 23 06:37 ♊ 25 07:30 ♊ 27 10:04 ♊ 29 15:08	Dec. -118j ♐ 2 05:36 ♐ 4 08:45 ♐ 6 11:24 ♐ 8 14:23 ♐ 10 18:09 ♐ 12 23:02 ♐ 15 05:39 ♐ 17 14:42 ♐ 20 02:16 ♐ 22 15:01 ♐ 25 02:26 ♐ 27 10:26 ♐ 29 14:44 ♐ 31 16:33	June -117j ♊ 1 19:32 ♊ 4 08:10 ♊ 6 20:24 ♊ 9 06:12 ♊ 11 13:06 ♊ 13 17:45 ♊ 15 21:11 ♊ 18 00:07 ♊ 20 03:01 ♊ 22 06:19 ♊ 24 10:52 ♊ 26 17:45 ♊ 29 03:42	Jan. -116j ♏ 1 18:33 ♏ 3 22:58 ♏ 6 06:32 ♏ 8 17:33 ♏ 11 06:28 ♏ 13 18:25 ♏ 16 03:25 ♏ 18 09:16 ♏ 20 13:05 ♏ 22 16:04 ♏ 24 19:01 ♏ 26 22:20 ♏ 29 02:19 ♏ 31 07:40	July -116j ♊ 2 14:47 ♊ 4 19:48 ♊ 6 23:03 ♊ 9 00:50 ♊ 11 02:11 ♊ 13 04:43 ♊ 15 10:07 ♊ 17 19:17 ♊ 20 07:22 ♊ 22 20:00 ♊ 25 06:51 ♊ 27 15:00 ♊ 29 20:52	Feb. -115j ♒ 1 09:59 ♒ 3 20:23 ♒ 6 04:28 ♒ 8 10:32 ♒ 10 14:58 ♒ 12 18:06 ♒ 14 20:22 ♒ 16 22:41 ♒ 19 02:18 ♒ 21 08:28 ♒ 23 17:50 ♒ 26 05:43 ♒ 28 18:09	Aug. -115j ♌ 1 22:52 ♌ 4 03:16 ♌ 6 11:26 ♌ 8 22:45 ♌ 11 11:19 ♌ 13 23:13 ♌ 16 09:22 ♌ 18 17:26 ♌ 20 23:21 ♌ 23 03:15 ♌ 25 05:30 ♌ 27 06:59 ♌ 29 09:00 ♌ 31 13:01	Sept. -115j ♏ 2 20:10 ♏ 5 06:36 ♏ 7 18:59 ♏ 10 07:04 ♏ 12 16:59 ♏ 15 00:12 ♏ 17 05:08 ♏ 19 08:37 ♏ 21 11:26 ♏ 23 14:13 ♏ 25 17:35 ♏ 27 22:19 ♏ 30 05:17	March -115j ♈ 3 04:50 ♈ 5 12:38 ♈ 7 17:42 ♈ 9 20:58 ♈ 11 23:28 ♈ 14 02:06 ♈ 16 05:31 ♈ 18 10:20 ♈ 20 17:07 ♈ 23 02:20 ♈ 25 13:49 ♈ 28 02:19 ♈ 30 13:40	Oct. -115j ♐ 2 15:04 ♐ 5 03:09 ♐ 7 15:37 ♐ 10 02:02 ♐ 12 09:03 ♐ 14 12:57 ♐ 16 15:04 ♐ 18 16:55 ♐ 20 19:42 ♐ 22 23:58 ♐ 25 05:51 ♐ 27 13:30 ♐ 29 23:15	Apr. -114j ♈ 1 22:01 ♈ 3 23:54 ♈ 6 11:18 ♈ 8 19:11 ♈ 11 23:54 ♈ 14 01:17 ♈ 16 13:54 ♈ 19 05:35 ♈ 21 15:08 ♈ 23 21:21 ♈ 26 01:02 ♈ 28 03:35 ♈ 30 06:09	May -114j ♊ 2 09:24 ♊ 4 13:37 ♊ 6 19:10 ♊ 9 02:44 ♊ 11 12:54 ♊ 14 01:17 ♊ 16 13:54 ♊ 19 00:07 ♊ 21 06:32 ♊ 23 09:36 ♊ 25 10:54 ♊ 27 12:12 ♊ 29 14:47 ♊ 31 19:14	June -114j ♊ 3 01:35 ♊ 5 09:53 ♊ 7 20:17 ♊ 10 08:36 ♊ 12 21:33 ♊ 15 08:42 ♊ 17 16:09 ♊ 19 19:35 ♊ 21 11:36 ♊ 23 20:05 ♊ 26 06:22 ♊ 28 18:15	Dec. -115j ♐ 1 07:08 ♐ 3 19:25 ♐ 6 04:46 ♐ 8 09:53 ♐ 10 11:14 ♐ 12 10:36 ♐ 14 10:13 ♐ 16 12:04 ♐ 18 17:15 ♐ 21 01:40 ♐ 23 12:26 ♐ 26 00:36 ♐ 28 13:26 ♐ 31 01:55	Jan. -114j ♏ 2 12:23 ♏ 4 19:16 ♏ 6 22:09 ♏ 8 22:08	Feb. -114j ♒ 1 02:12 ♒ 3 06:51 ♒ 5 08:32 ♒ 7 08:31 ♒ 9 08:34 ♒ 11 10:34 ♒ 13 15:58 ♒ 16 01:11 ♒ 18 13:13 ♒ 21 02:05 ♒ 23 14:00 ♒ 25 23:59 ♒ 28 07:42	March -114j ♈ 2 13:05 ♈ 4 16:18 ♈ 6 17:56 ♈ 8 19:03 ♈ 10 21:03 ♈ 13 01:30 ♈ 15 09:26 ♈ 17 20:40 ♈ 20 09:27 ♈ 22 21:23 ♈ 25 06:52 ♈ 27 13:42 ♈ 29 18:29 ♈ 31 21:59	Apr. -114j ♈ 3 00:46 ♈ 5 03:20 ♈ 7 06:24 ♈ 9 11:01 ♈ 11 18:20 ♈ 14 04:48 ♈ 16 17:23 ♈ 19 05:35 ♈ 21 15:08 ♈ 23 21:21 ♈ 26 01:02 ♈ 28 03:35 ♈ 30 06:09	May -114j ♊ 2 09:24 ♊ 4 13:37 ♊ 6 19:10 ♊ 9 02:44 ♊ 11 12:54 ♊ 14 01:17 ♊ 16 13:54 ♊ 19 00:07 ♊ 21 06:32 ♊ 23 09:36 ♊ 25 10:54 ♊ 27 12:12 ♊ 29 14:47 ♊ 31 19:14	June -114j ♊ 3 01:35 ♊ 5 09:53 ♊ 7 20:17 ♊ 10 08:36 ♊ 12 21:33 ♊ 15 08:42 ♊ 17 16:09 ♊ 19 19:35 ♊ 21 11:36 ♊ 23 20:05 ♊ 26 06:22 ♊ 28 18:15	July -114j ♊ 2 15:52 ♊ 5 02:44 ♊ 7 15:11 ♊ 10 04:12 ♊ 12 16:04 ♊ 15 00:50 ♊ 17 15:36 ♊ 19 06:58 ♊ 21 06:33	Aug. -114j ♌ 1 08:39 ♌ 3 21:18 ♌ 6 10:13 ♌ 8 22:10 ♌ 11 07:49 ♌ 13 14:08 ♌ 15 17:03 ♌ 17 17:28 ♌ 19 17:02 ♌ 21 17:37 ♌ 23 20:59 ♌ 26 04:08 ♌ 28 14:49 ♌ 31 03:32	Sept. -114j ♏ 2 16:21 ♏ 5 03:55 ♏ 7 13:29 ♏ 9 20:36 ♏ 12 01:05 ♏ 14 03:11 ♏ 16 03:47 ♏ 18 04:22 ♏ 20 06:42 ♏ 22 12:23 ♏ 24 22:02 ♏ 27 10:28 ♏ 29 23:19	Oct. -114j ♐ 2 10:31 ♐ 4 19:21 ♐ 7 02:01 ♐ 9 06:57 ♐ 11 10:25 ♐ 13 12:40 ♐ 15 14:26 ♐ 17 16:58 ♐ 19 21:54 ♐ 22 06:26 ♐ 24 18:17 ♐ 27 07:13 ♐ 29 18:32	Nov. -114j ♏ 1 02:51 ♏ 3 08:28 ♏ 5 12:29 ♏ 7 15:50 ♏ 9 18:59 ♏ 11 22:11 ♏ 14 01:56 ♏ 16 07:16 ♏ 18 15:22 ♏ 21 02:35 ♏ 23 15:32 ♏ 26 03:26 ♏ 28 12:05 ♏ 30 17:12	Dec. -114j ♐ 2 19:57 ♐ 4 21:55 ♐ 7 00:21 ♐ 9 03:50 ♐ 11 08:38 ♐ 13 15:02 ♐ 15 23:35 ♐ 18 10:37 ♐ 20 23:28 ♐ 23 12:01 ♐ 25 21:48 ♐ 28 03:35 ♐ 30 05:59	Jan. -113j ♏ 1 06:40 ♏ 3 07:22 ♏ 5 09:33 ♏ 7 14:01 ♏ 9 21:01 ♏ 12 06:21 ♏ 14 17:45 ♏ 17 06:33 ♏ 19 19:25 ♏ 22 06:19 ♏ 24 13:37 ♏ 26 17:02 ♏ 28 17:37 ♏ 30 17:09	Feb. -113j ♒ 1 03:51 ♒ 3 04:59 ♒ 5 05:15 ♒ 7 16:01 ♒ 9 23:42 ♒ 12 04:41 ♒ 14 08:01 ♒ 16 10:38 ♒ 18 13:28 ♒ 20 16:46 ♒ 22 21:15 ♒ 25 03:43 ♒ 27 12:51 ♒ 30 00:32	July -113j ♊ 2 16:36 ♊ 5 05:15 ♊ 7 16:01 ♊ 9 23:42 ♊ 12 04:41 ♊ 14 08:01 ♊ 16 10:38 ♊ 18 13:28 ♊ 20 16:46 ♊ 22 21:15 ♊ 25 03:43 ♊ 27 12:51 ♊ 30 00:32	Aug. -113j ♌ 1 08:48 ♌ 3 18:11 ♌ 5 23:49 ♌ 8 11:26 ♌ 10 22:54 ♌ 13 07:14 ♌ 15 11:46 ♌ 17 13:16 ♌ 19 13:26 ♌ 21 14:08	Sept. -113j ♏ 2 09:25 ♏ 4 12:49 ♏ 6 13:17 ♏ 8 12:30 ♏ 10 12:36 ♏ 12 15:27 ♏ 14 22:10 ♏ 17 08:24 ♏ 19 20:41 ♏ 22 09:29 ♏ 24 21:44 ♏ 27 08:36 ♏ 29 17:05	Oct. -113j ♐ 1 22:17 ♐ 4 00:07 ♐ 5 23:45 ♐ 7 23:06 ♐ 10 00:26 ♐ 12 05:29 ♐ 14 14:45 ♐ 17 02:54 ♐ 19 15:45 ♐ 22 03:43 ♐ 24 14:12 ♐ 26 22:53 ♐ 29 05:17 ♐ 31 08:55	Nov. -113j ♏ 2 10:08 ♏ 4 10:12 ♏ 6 11:05 ♏ 8 14:49 ♏ 10 22:38 ♏ 13 09:59 ♏ 15 22:48 ♏ 18 10:43 ♏ 20 20:38 ♏ 23 04:32 ♏ 25 10:41 ♏ 27 15:07 ♏ 29 17:54	Dec. -113j ♐ 1 19:35 ♐ 3 21:24 ♐ 6 01:02 ♐ 8 07:51 ♐ 10 18:12 ♐ 13 06:41 ♐ 15 18:51 ♐ 18 04:44 ♐ 20 11:54 ♐ 22 16:53 ♐ 24 20:32 ♐ 26 23:29 ♐ 29 02:17 ♐ 31 05:35	Jan. -112j ♏ 2 10:12 ♏ 4 17:08 ♏ 7 02:53 ♏ 9 14:56 ♏ 12 03:24 ♏ 14 13:57 ♏ 16 21:14 ♏ 19 01:25 ♏ 21 03:39 ♏ 23 05:18 ♏ 25 07:38 ♏ 27 11:29 ♏ 29 17:13	Feb. -112j ♒ 1 01:01 ♒ 3 10:58 ♒ 5 22:48 ♒ 8 11:26 ♒ 10 22:54 ♒ 13 07:14 ♒ 15 11:46 ♒ 17 13:16 ♒ 19 13:26 ♒ 21 14:08	March -112j ♈ 1 17:47 ♈ 4 05:46 ♈ 6 18:26 ♈ 9 06:31 ♈ 11 16:11 ♈ 13 22:04 ♈ 16 00:08 ♈ 17 23:46 ♈ 19 23:04 ♈ 22 00:11 ♈ 24 04:38 ♈ 26 12:45 ♈ 28 23:38 ♈ 31 11:54	Apr. -112j ♈ 3 00:34 ♈ 5 12:45 ♈ 7 23:17 ♈ 10 06:41 ♈ 12 10:16 ♈ 14 10:41 ♈ 16 09:43 ♈ 18 09:36 ♈ 20 12:22 ♈ 22 19:08 ♈ 25 05:30 ♈ 27 17:51 ♈ 30 06:30	May -112j ♊ 2 18:28 ♊ 5 05:00 ♊ 7 13:13 ♊ 9 18:19 ♊ 11 20:18 ♊ 13 20:17 ♊ 15 20:07 ♊ 17 21:54 ♊ 20 03:11 ♊ 22 12:23 ♊ 25 00:19 ♊ 27 12:57 ♊ 30 00:40	June -112j ♊ 1 10:41 ♊ 3 18:40 ♊ 6 00:21 ♊ 8 03:41 ♊ 10 05:12 ♊ 12 06:05 ♊ 14 07:59 ♊ 16 12:30 ♊ 18 20:32 ♊ 21 07:42 ♊ 23 20:14 ♊ 26 07:56 ♊ 28 17:30	July -112j ♊ 1 00:40 ♊ 3 05:46 ♊ 5 09:19 ♊ 7 11:53 ♊ 9 14:10 ♊ 11 17:08 ♊ 13 21:53 ♊ 16 05:22 ♊ 18 15:49 ♊ 21 04:09 ♊ 23 16:10 ♊ 26 01:49 ♊ 28 08:23 ♊ 30 12:23	Aug. -112j ♌ 1 14:57 ♌ 3 17:17 ♌ 5 20:14 ♌ 8 00:22 ♌ 10 06:04 ♌ 12 13:50 ♌ 14 23:59 ♌ 17 12:07 ♌ 20 00:35 ♌ 22 10:59 ♌ 24 17:49 ♌ 26 21:11 ♌ 28 22:27 ♌ 30 23:25

with clock times in UT/GMT. The year -112 astronomical counting style corresponds to year 113 B.C.E historical counting style.

Sept. -112j	March -111j	Sept. -111j	Apr. -110j	Oct. -110j	Apr. -109j	Nov. -109j	May -108j	Nov. -108j	June -107j	Dec. -107j	June -106j
2 01:39	14 15:10	24 04:15	1 11:00	11 23:42	23 12:05	2 23:33	14 10:35	23 20:48	1 06:39	11 16:53	23 01:28
4 05:59	16 20:05	26 08:56	3 13:58	14 02:08	25 13:59	5 00:57	16 11:55	25 21:59	3 06:30	13 15:54	25 00:59
6 12:33	19 02:43	28 15:13	5 17:18	16 04:54	27 16:49	7 03:46	18 15:17	28 02:08	5 06:27	15 16:10	27 02:54
8 21:06	21 11:13	30 23:55	7 21:46	18 09:19	29 21:52	9 09:25	20 21:59	30 10:22	7 08:34	17 19:43	29 08:32
11 07:29	23 21:53		10 04:23	20 16:35		11 18:34	23 08:18		9 14:27	20 03:33	
13 19:32	26 10:25	Oct. -111j	12 13:57	23 03:05	May -109j	14 06:31	25 20:53	Dec. -108j	12 00:25	22 14:53	July -106j
16 08:18	28 23:09	3 11:19	15 02:04	25 15:36	2 06:04	16 19:09	28 09:21	2 22:09	14 12:57	25 03:41	1 17:50
18 19:46	31 09:32	6 00:18	17 14:48	28 03:42	4 17:13	19 06:12	30 19:50	5 11:15	17 01:45	27 16:10	4 05:32
21 03:47		8 12:15	20 01:33	30 13:19	7 05:41	21 14:37		7 23:20	19 13:12	30 03:28	6 18:06
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Moon sign changes from year -200 to -101 (Julian Calendar)

with clock times in UT/GMT. The year -105 astronomical counting style corresponds to year 106 B.C.E historical counting style.

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17 12:50	28 01:23	4 08:56	16 00:00	28 12:24	4 22:48	15 08:27	24 21:35	2 03:07	
19 16:27	30 05:48	6 11:12	18 03:27	30 15:41	7 01:30	17 10:46	26 23:08	4 06:56	
21 22:21		8 14:19	20 08:16		9 04:42	19 12:37		6 08:22	
24 06:26	Jan. -104j	10 18:47	22 15:00	Aug. -103j	10 04:29	21 15:12	March -101j	8 08:32	
26 16:35	1 12:07	13 01:09	25 00:10	1 20:21	11 09:21	23 20:00	1 00:22	10 09:21	
29 04:36	3 20:32	15 09:53	27 11:39	4 03:14	13 16:32	26 04:14	3 02:58	12 12:48	
	6 07:11	17 21:03	30 00:15	6 12:52	16 02:48	28 15:46	5 08:38	14 20:16	
July -105j	8 19:43	20 09:43		9 00:47	18 15:17	31 04:41	7 18:12	17 07:25	
1 17:38	11 08:40	22 21:53	Feb. -103j	11 13:14	21 03:36		10 06:37	19 20:16	
4 05:43	13 19:45	25 07:24	1 11:46	13 23:51	23 13:23	Sept. -102j	12 19:20	22 08:20	
6 14:40	16 03:07	27 13:16	3 20:18	16 07:12	25 19:45	2 16:14	15 06:01	24 18:22	
8 19:31	18 06:37	29 15:59	6 01:15	18 11:23	27 23:23	5 00:51	17 13:56	27 02:19	
10 20:56	20 07:27	31 16:57	8 03:27	20 13:35		7 06:38	19 19:39	29 08:30	
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