

with clock times in UT/GMT. The year -3200 astronomical counting style corresponds to year 3201 B.C.E historical counting style.

Table with 12 columns representing months from Jan. -3200j to Oct. -3195j. Each cell contains a moon sign symbol and a time value. The symbols are combinations of letters and numbers, such as '2 02:21', '13 14:18', etc.

with clock times in UT/GMT. The year -3194 astronomical counting style corresponds to year 3195 B.C.E historical counting style.

Table with 13 columns representing months from May to Feb and 13 rows representing years from -3194 to -3101. Each cell contains moon sign changes with clock times in UT/GMT.

Sept. -3188j	March -3187j	Sept. -3187j	Apr. -3186j	Oct. -3186j	Apr. -3185j	Nov. -3185j	May -3184j	Nov. -3184j	June -3183j	Dec. -3183j	June -3182j
1 10:03	13 22:27	H 23 09:49	I 2 18:33	U 13 06:22	Q 24 20:05	Q 2 04:20	U 13 17:54	U 23 07:08	U 2 15:32	U 13 03:45	U 24 14:00
3 14:16	16 04:03	U 25 16:58	4 23:26	U 15 12:43	U 27 03:05	U 4 09:50	U 15 23:10	U 25 12:08	U 4 18:41	U 15 06:53	U 26 17:29
5 22:25	18 13:05	U 28 03:04	7 07:26	U 17 21:46	U 29 12:18	U 6 17:09	U 18 06:10	U 27 19:16	U 6 23:39	U 17 12:28	U 29 00:06
8 09:35	U 21 00:35	U 30 15:08	9 18:05	U 20 08:51		U 9 02:19	U 20 15:28	U 30 05:20	U 9 07:37	U 19 21:23	
10 22:08	U 23 13:16		U 12 06:26	U 22 21:15	May -3185j	U 11 13:28	U 23 03:13		U 11 18:43	U 22 09:09	July -3182j
13 10:43	U 26 01:59	Oct. -3187j	U 14 19:21	U 25 10:42	U 1 23:19	U 14 02:08	U 25 16:05	Dec. -3184j	U 14 07:28	U 24 21:44	U 1 10:07
15 22:30	U 28 13:33	U 3 04:08	U 17 07:30	U 27 12:10	U 4 11:38	U 16 14:33	U 28 03:36	U 2 17:50	U 16 19:14	U 27 08:43	U 3 22:20
18 08:36	U 30 22:43	U 5 16:53	U 19 17:21	U 30 06:30	U 7 00:07	U 19 00:17	U 31 11:35	U 5 06:35	U 19 04:06	U 29 16:52	U 6 10:34
20 15:57		U 8 03:56	U 21 23:45		U 9 10:54	U 21 05:54		U 7 16:51	U 21 09:50	U 31 22:18	U 8 20:56
22 19:56	Apr. -3187j	U 10 11:51	U 24 02:37	Nov. -3186j	U 11 18:13	U 23 07:50	June -3184j	U 9 23:21	U 23 13:20	U 11 04:44	
24 21:00	U 2 04:31	U 12 16:02	U 26 02:54	U 1 11:26	U 13 21:38	U 25 07:49	U 1 15:44	U 12 02:38	U 25 15:50	Jan. -3182j	U 13 10:15
26 20:39	U 4 06:59	U 14 17:04	U 28 02:19	U 3 12:50	U 15 22:10	U 27 08:00	U 3 17:16	U 14 04:18	U 27 18:18	U 3 01:54	U 15 14:06
28 20:52	U 6 07:11	U 16 16:29	U 30 02:50	U 5 12:15	U 17 21:45	U 29 10:10	U 5 18:02	U 16 05:55	U 29 21:23	U 5 04:40	U 7 16:58
30 23:36	U 8 06:52	U 18 16:12		U 7 11:44	U 19 22:25		U 7 19:43	U 18 08:36		U 7 07:21	U 9 19:31
	U 10 07:55	U 20 18:08	May -3186j	U 9 13:20	U 22 01:50	Dec. -3185j	U 9 23:17	U 20 12:52	July -3183j	U 9 10:34	U 21 22:28
Oct. -3188j	U 12 11:58	U 22 23:40	U 2 06:10	U 11 18:30	U 24 08:35	U 1 15:12	U 12 05:01	U 22 18:52	U 2 01:35	U 11 14:59	U 24 02:43
3 06:07	U 14 19:46	U 25 09:05	U 4 13:18	U 14 03:24	U 26 18:11	U 3 22:59	U 14 12:47	U 25 02:53	U 4 07:31	U 13 21:17	U 26 09:14
5 16:20	U 17 06:49	U 27 21:14	U 6 23:53	U 16 14:54	U 29 05:37	U 6 08:53	U 16 22:35	U 27 13:09	U 6 15:49	U 16 06:06	U 28 18:36
8 04:44	U 19 19:31	U 30 10:20	U 8 12:26	U 19 03:33	U 31 18:01	U 8 20:21	U 19 10:22	U 30 01:30	U 9 02:43	U 18 17:24	U 31 06:24
10 17:19	U 22 08:06		U 10 21:21	U 21 16:13		U 11 08:59	U 21 23:21		U 11 15:21	U 21 05:58	
13 04:40	U 24 19:17	Nov. -3187j	U 14 13:22	U 24 04:04	June -3185j	U 13 21:46	U 24 11:35	July -3184j	U 14 03:39	U 23 17:36	Aug. -3182j
15 14:10	U 27 04:19	U 1 22:48	U 16 23:36	U 26 13:59	U 3 06:35	U 16 08:43	U 26 20:47	U 1 14:30	U 16 13:21	U 26 02:23	U 2 18:52
17 21:31	U 29 10:48	U 4 09:40	U 19 07:13	U 28 20:43	U 5 18:04	U 18 15:56	U 29 01:50	U 4 01:48	U 18 19:26	U 28 07:41	U 5 05:40
20 02:32		U 6 18:14	U 21 11:41	U 30 23:45	U 8 02:47	U 20 18:57		U 6 09:26	U 20 22:24	U 30 10:15	U 7 13:19
22 05:21	May -3187j	U 9 00:02	U 23 13:14	Dec. -3186j	U 10 07:35	U 22 18:57	July -3184j	U 8 13:12	U 22 23:37	U 9 17:54	
24 06:40	U 1 14:41	U 11 02:59	U 25 13:01	U 2 23:52	U 12 08:48	U 24 18:02	U 1 03:24	U 10 14:15	U 25 00:39	U 11 20:29	
26 07:46	U 3 16:26	U 13 03:43	U 27 12:52	U 4 22:50	U 14 08:02	U 16 07:29	U 3 03:15	U 12 14:23	U 27 02:53	U 13 22:27	
28 10:15	U 5 17:07	U 15 03:40	U 29 14:48	U 6 22:57	U 16 07:29	U 18 09:17	U 5 03:25	U 14 15:22	U 29 07:09	U 15 15:57	
30 15:34	U 7 18:13	U 17 04:38	U 31 20:29	U 9 02:15	U 18 09:17	U 20 14:46	U 7 05:33	U 16 18:28	U 31 13:49	U 17 13:32	
	U 9 21:21	U 19 08:31		U 11 09:46	U 22 03:55	U 24 14:46	U 9 10:32	U 19 00:20		U 19 04:17	
Nov. -3188j	U 12 03:52	U 21 16:26	June -3186j	U 13 20:54	U 25 11:29	U 27 23:55	Jan. -3184j	U 21 08:56	Aug. -3183j	U 20 10:16	
2 00:29	U 14 13:59	U 24 03:59	U 3 06:14	U 16 09:40	U 28 00:01	U 30 12:27	U 2 14:35	U 23 19:49	U 2 22:52	U 22 13:42	
4 12:17	U 17 02:28	U 26 17:05	U 5 18:40	U 19 05:40	U 31 18:01		U 5 02:26	U 26 08:18	U 5 10:01	U 25 01:00	
7 00:57	U 19 15:01	U 29 05:24	U 8 07:33	U 22 17:17			U 7 15:09	U 29 05:46	U 7 22:36	U 28 17:32	
9 12:15	U 22 01:49		U 10 19:15	U 25 11:29	July -3185j	U 28 00:01	U 10 03:51	U 31 18:20	U 9 31:09	U 30 03:02	
11 21:03	U 24 10:10	Dec. -3187j	U 13 05:09	U 30 23:45	U 3 00:00	U 28 00:01	U 12 15:15	U 24 04:39	U 12 22:05	U 27 14:22	
14 03:24	U 26 16:14	U 1 15:39	U 15 13:01	U 23 19:44	U 5 18:38	U 30 12:27	U 14 23:50	U 26 11:15	U 15 05:27	U 30 03:02	Sept. -3182j
16 07:54	U 28 20:30	U 3 23:42	U 17 18:37	U 26 03:27	U 8 02:47		U 17 04:37	U 28 14:02	U 17 09:02	U 1 11:31	U 11 20:29
18 11:13	U 30 23:27	U 5 05:47	U 19 21:45	U 29 14:48	U 10 07:35	U 31 18:01	U 19 05:58	U 30 14:10	U 19 09:49	U 3 13:01	U 13 22:27
20 13:55		U 8 10:02	U 21 22:53	U 31 20:29	U 12 08:48		U 21 05:23	U 1 03:24	U 21 09:31	U 5 15:57	U 15 15:57
22 16:37	June -3187j	U 10 12:34	U 23 23:15	U 1 20:29	U 14 08:02	U 16 07:29	U 23 04:56	U 3 03:15	U 23 10:02	U 7 20:59	U 17 13:32
24 20:05	U 2 01:34	U 12 13:57	U 26 00:44	U 4 22:50	U 16 07:29	U 18 09:17	U 25 06:36	U 5 03:25	U 25 00:39	U 9 10:34	U 19 04:17
27 01:24	U 4 03:42	U 14 15:26	U 28 05:14	U 7 17:59	U 18 09:17	U 20 14:46	U 27 11:47	U 7 05:33	U 27 02:53	U 11 14:59	U 21 05:58
29 09:31	U 6 07:01	U 16 18:42	U 30 13:47	U 10 03:55	U 20 06:38	U 22 18:57	U 29 20:45	U 9 10:32	U 29 07:09	U 13 21:17	U 23 17:36
	U 8 12:51	U 19 01:20		U 13 05:09	U 22 03:55	U 24 14:46		U 11 18:26	U 31 13:49	U 15 15:57	U 25 01:00
Dec. -3188j	U 10 22:05	U 21 11:48	July -3186j	U 15 13:01	U 16 09:40	U 19 05:40	U 13 18:08	U 18 26:11	U 16 18:28	U 17 13:32	U 27 14:22
1 20:35	U 13 10:08	U 24 00:39	U 3 01:40	U 17 18:37	U 22 17:17	U 25 11:29	U 15 18:50	U 20 10:35	U 19 09:49	U 19 04:17	U 29 05:46
4 09:13	U 15 22:50	U 26 13:04	U 5 14:30	U 19 21:45	U 28 00:01	U 30 12:27	U 17 22:45	U 22 12:53	U 21 09:31	U 20 10:16	U 31 03:02
6 20:58	U 18 09:39	U 28 23:04	U 8 02:03	U 21 22:53	U 31 18:01		U 20 06:38	U 24 04:39	U 23 10:02	U 22 13:42	
9 05:48	U 20 17:26	U 31 06:15	U 10 11:21	U 23 23:15	U 1 20:29	U 4 22:50	U 22 17:45	U 26 11:15	U 25 00:39	U 25 01:00	
11 11:20	U 22 22:31		U 12 18:33	U 26 00:44	U 4 22:50	U 7 17:59	U 25 06:18	U 28 14:02	U 27 02:53	U 27 14:22	
13 14:32	U 25 01:59	Jan. -3186j	U 15 00:05	U 28 05:14	U 7 17:59	U 10 03:55	U 27 18:36	U 30 14:10	U 29 09:49	U 28 20:45	U 1 11:31
15 16:47	U 27 04:55	U 2 11:25	U 17 04:04	U 30 13:47	U 10 03:55	U 13 05:09	U 30 05:43	U 1 03:24	U 31 04:49	U 28 20:45	U 3 13:01
17 19:20	U 29 07:54	U 4 15:24	U 19 06:39	U 1 10:22	U 12 18:33	U 15 04:58	U 30 05:43	U 3 03:15	U 1 03:24	U 5 15:57	U 5 15:57
19 22:51		U 6 18:42	U 21 08:23	U 3 09:59	U 15 00:05	U 18 09:17	U 30 05:43	U 5 03:25	U 3 13:01	U 7 20:59	U 7 13:32
22 03:37	July -3187j	U 8 21:32	U 23 10:33	U 5 12:05	U 17 18:37	U 20 06:38	U 30 05:43	U 7 05:33	U 5 15:57	U 9 10:34	U 9 10:34
24 09:54	U 1 11:17	U 10 00:23	U 25 14:47	U 7 17:59	U 19 21:45	U 22 08:52	U 30 05:43	U 9 10:32	U 7 20:59	U 11 14:59	U 11 14:59
26 18:10	U 3 15:35	U 13 04:18	U 27 22:26	U 9 18:38	U 21 22:53	U 24 14:15	U 30 05:43	U 11 18:26	U 9 10:34	U 13 21:17	U 13 21:17
29 04:50	U 5 21:40	U 15 10:40	U 30 09:32	U 11 18:47	U 23 23:15	U 26 03:27	U 30 05:43	U 13 18:08	U 11 14:59	U 15 01:00	U 15 01:00
U 29 31 17:21	U 8 06:30	U 17 20:21		U 15 18:47	U 26 00:44	U 28 05:14	U 30 05:43	U 15 18:50	U 13 21:17	U 16 06:06	U 16 06:06
	U 10 18:09	U 19 08:43	Aug. -3186j	U 17 22:45	U 28 05:14	U 30 10:04	U 30 05:43	U 17 22:45	U 11 14:59	U 18 17:24	U 18 17:24
Jan. -3187j	U 13 07:02	U 22 21:23	U 1 22:17	U 20 06:38	U 30 10:04	U 30 10:04	U 30 05:43	U 19 05:58	U 9 10:34	U 20 10:16	U 20 10:16
3 05:43	U 15 18:24	U 25 07:44	U 4 10:02	U 22 08:52	U 31 20:29	U 1 20:29	U 30 05:43	U 21 05:23	U 11 14:59	U 22 13:42	U 22 13:42
5 15:23	U 18 02:21	U 27 14:41	U 6 19:08	U 24 14:15	U 3 01:40	U 5 12:05	U 30 05:43	U 23 04:56	U 13 21:17	U 25 01:00	U 25 01:00
7 21:08	U 20 06:47	U 29 18:51	U 9 01:30	U 26 17:32	U 7 17:59	U 9 18:38	U 30 05:43	U 25 06:36	U 15 01:00	U 27 14:22	U 27 14:22
9 23:34	U 22 09:03	U 31 21:35	U 11 05:59	U 28 19:08	U 10 11:21	U 11 18:47	U 30 05:43	U 27 11:47	U 17 13:32	U 29 05:46	U 29 05:46
12 00:22	U 24 10:47		U 13 09:26	U 30 20:13	U 12 18:33	U 13 18:08	U 30 05:43	U 29 20:45	U 19 04:17	U 31 03:02	U 31 03:02
14 01:27	U 26 13:15	Feb. -3186j	U 15 12:24	U 1 10:22	U 15 00:05	U 15 18:50	U 30 05:43	U 31 04:49	U 21 09:31	U 3 13:01	U 3 13:01
16 04:14	U 28 17:03	U 3 00:06	U 17 15:18	U 3 09:59	U 17 18:37	U 17 22:45	U 30 05:43	U 1 03:24	U 23 10:02	U 5 15:57	U 5 15:57
18 09:15	U 30 22:19	U 5 03:05	U 19 18:46	U 5 12:05	U 19 21:45	U 18 09:17	U 30 05:43	U 3 03:15	U 25 00:39	U 7 20:59	U 7 20:59
20 16:24		U 7 06:55	U 21 23:45	U 7 17:59	U 21 22:53	U 19 05:40	U 30 05:43	U 5 03:25	U 27 02:53	U 9 10:34	U 9 10:34
23 01:25											

with clock times in UT/GMT. The year -3181 astronomical counting style corresponds to year 3182 B.C.E historical counting style.

Table with 12 columns representing months from Jan. to Oct. and 12 rows representing years from -3181j to -3176j. Each cell contains moon sign change data including time and sign symbols.

with clock times in UT/GMT. The year -3175 astronomical counting style corresponds to year 3176 B.C.E historical counting style.

Table with 14 columns representing months and years from May -3175j to Feb. -3169j. Each cell contains a moon sign symbol and a time value. The table is organized into vertical columns for each month/year, with some entries spanning across columns.

with clock times in UT/GMT. The year -3169 astronomical counting style corresponds to year 3170 B.C.E historical counting style.

Table with 12 columns representing months from Sept. -3169j to June -3163j. Each cell contains a moon sign symbol (e.g., ♉, ♋, ♌) and a time value. The table is organized into vertical columns for each month, with some months having multiple entries. The symbols and times vary across the months, representing the progression of moon sign changes over time.

with clock times in UT/GMT. The year -3162 astronomical counting style corresponds to year 3163 B.C.E historical counting style.

Jan. -3162j	July -3162j	Jan. -3161j	Aug. -3161j	Feb. -3160j	Aug. -3160j	March -3159j	Sept. -3159j	March -3158j	Oct. -3158j	Apr. -3157j	Oct. -3157j
2 00:52	14 09:12	23 19:52	1 04:26	10 15:24	22 00:27	1 10:45	10 21:35	23 10:55	2 23:07	14 12:13	25 00:48
4 00:14	16 08:42	25 19:53	3 04:36	12 15:45	24 01:49	3 12:55	13 00:27	25 13:47	5 02:02	16 14:39	27 02:35
6 00:17	18 09:53	27 22:22	5 04:32	14 16:42	26 04:17	5 15:05	15 03:14	27 16:22	7 04:31	18 16:37	29 03:46
8 02:53	20 14:20	30 04:23	7 06:09	16 19:39	28 08:26	7 18:02	17 06:27	29 19:21	9 07:20	20 19:05	31 05:54
10 09:13	22 22:31		9 10:38	19 01:08	30 14:22	9 22:15	19 10:40	31 23:35	11 11:32	22 23:23	
12 19:15	25 09:41	Feb. -3161j	11 18:07	21 08:55		12 04:06	21 16:41		13 18:11	25 06:41	Nov. -3157j
15 07:41	27 22:21	1 13:43	14 03:56	23 18:39	Sept. -3160j	14 12:07	24 01:13	Apr. -3158j	16 03:55	27 17:19	2 10:42
17 20:43	30 11:12	4 01:13	16 15:21	26 06:08	1 12:10	16 22:38	26 12:24	3 05:55	18 16:02	30 05:57	4 19:19
20 08:58		6 13:41	19 03:51	28 18:53	4 08:08	19 11:06	29 01:06	5 14:57	21 04:30		7 07:16
22 19:32	Aug. -3162j	9 02:14	21 16:35		6 20:14	21 23:46		8 02:27	23 14:53	May -3157j	9 20:15
25 03:40	1 23:10	11 13:53	24 03:49	March -3160j	9 09:22	24 10:13	Oct. -3159j	10 14:54	25 22:03	2 18:05	12 07:38
27 08:51	4 09:13	13 23:16	26 11:38	2 07:27	11 21:08	26 17:01	1 13:01	13 02:05	28 02:21	5 03:41	14 16:14
29 11:07	6 16:15	16 05:06	28 15:15	4 17:35	14 05:21	28 20:21	3 22:04	15 10:18	30 05:01	7 10:14	16 22:20
31 11:22	8 19:46	18 07:14	30 15:34	6 23:42	16 09:26	30 21:33	6 03:34	17 15:19		9 14:29	19 02:53
	10 20:20	20 06:50		9 01:55	18 10:31		8 06:16	19 17:59	Nov. -3158j	11 17:35	21 06:32
Feb. -3162j	12 19:32	22 05:57	Sept. -3161j	11 01:47	20 10:29	Apr. -3159j	10 07:35	21 19:41	1 07:23	13 20:24	23 09:37
2 11:12	14 19:28	24 06:51	1 14:34	13 01:25	22 11:14	1 12:14	12 09:02	23 21:45	3 10:21	15 23:27	25 12:22
4 12:33	16 22:12	26 11:14	3 14:31	15 02:43	24 14:08	3 23:56	14 11:49	26 01:07	5 14:25	18 03:08	27 15:33
6 17:14	19 05:02	28 19:40	5 17:19	17 06:59	26 19:49	6 03:40	16 16:36	28 06:18	7 19:49	20 08:07	29 20:26
9 02:04	21 15:43	7 23:50	7 23:50	19 14:26	29 04:10	8 09:53	18 23:37	30 13:30	9 12:59	22 15:21	
11 14:07	24 04:28	10 09:37	10 09:37	22 00:31		10 18:37	21 08:51		12 12:26	25 01:29	Dec. -3157j
14 03:12	26 17:15	12 21:23	12 21:23	24 12:21	Oct. -3160j	13 05:34	23 20:06	May -3158j	15 00:13	27 13:54	2 04:20
16 15:13	29 04:53	15 09:58	15 09:58	27 01:09	1 14:41	15 18:05	26 08:42	2 22:49	17 12:58	30 02:25	4 15:32
19 01:15	31 14:52	18 08:09	18 08:09	29 13:47	4 03:04	18 06:55	28 21:11	5 10:10	20 00:15		7 04:29
21 09:12		10 19:38	20 10:12		6 16:07	20 18:12	31 07:31	7 22:40	22 08:00	June -3157j	9 16:19
23 15:04	Sept. -3162j	13 05:25	22 19:21	Apr. -3160j	9 04:30	23 02:17	Oct. -3159j	10 10:31	24 11:57	1 12:25	12 01:00
25 18:49	2 22:45	15 12:30	25 00:48	1 00:41	11 14:10	25 06:35	1 24:11	12 19:38	26 13:21	3 18:47	14 06:24
27 20:40	5 03:56	17 16:16	27 02:34	3 08:14	13 19:53	27 07:51	3 24:11	15 00:59	28 14:06	5 22:07	16 09:39
	7 06:15	19 17:11	29 02:02	5 11:54	15 21:53	29 07:38	5 17:08	17 03:06	30 15:55	7 23:59	18 12:11
March -3162j	9 06:31	21 16:44		7 12:32	17 21:38		6 17:34	19 03:32		10 01:54	20 14:58
1 12:30	11 06:26	23 16:59	Oct. -3161j	9 11:53	19 21:03	May -3159j	8 17:20	21 04:11	Dec. -3158j	12 04:54	22 18:26
3 22:53	13 08:07	25 19:59	1 10:17	11 11:59	21 22:04	1 07:48	10 18:21	23 06:39	1 19:49	14 09:19	24 22:51
6 02:39	15 13:23	28 02:58	3 02:29	13 14:36	24 02:08	3 10:03	12 22:08	25 11:48	5 01:58	16 15:16	27 04:45
8 10:12	17 22:52	30 13:35	5 07:14	15 20:46	26 09:51	5 15:30	15 05:12	27 19:37	7 10:04	18 23:06	29 12:54
10 21:26	20 11:14		7 15:55	18 06:22	28 20:38	8 00:18	17 15:05	30 05:33	9 19:59	21 09:15	31 23:26
13 10:22	23 00:02	Apr. -3161j	10 10:30	20 18:19	31 09:13	10 11:40	20 02:48		12 07:42	23 21:32	
15 22:22	25 11:21	2 02:05	12 16:11	23 07:10		13 00:22	22 15:24	June -3158j	14 20:33	26 10:26	Jan. -3156j
18 07:58	27 20:40	4 14:29	15 04:36	25 19:37	Nov. -3160j	15 13:09	25 04:01	1 17:05	17 08:44	3 12:34	3 12:34
20 15:07	30 04:08	7 01:35	18 15:50	28 06:31	2 22:16	18 00:49	27 15:17	4 05:37	19 17:50	5 22:07	6 01:00
22 20:28		9 10:56	20 10:10	30 14:51	5 10:34	20 10:02	29 23:37	6 17:58	21 22:41	7 23:59	8 10:33
25 00:31	Oct. -3162j	11 18:12	22 07:50		7 20:55	22 15:52		8 04:16	23 23:58	9 04:26	10 16:16
27 03:29	2 09:48	13 23:01	24 11:27	May -3160j	10 04:16	24 18:17	Dec. -3159j	11 10:50	25 23:33	3 07:42	12 18:52
29 09:54	4 13:34	16 01:28	26 12:36	2 20:00	12 08:09	26 18:19	2 04:04	13 13:30	27 23:37	5 08:37	14 19:59
31 08:08	6 15:34	18 02:21	28 12:39	4 22:10	14 09:08	28 17:42	4 05:03	15 13:28	30 01:57	7 09:05	16 21:15
	8 16:44	20 03:12	30 13:28	6 22:27	16 08:38	30 18:28	6 04:11	17 12:50		9 10:48	18 23:51
Apr. -3162j	10 18:41	22 05:49		8 22:28	18 08:34		8 03:37	19 13:43	Jan. -3157j	11 14:43	20 04:24
2 12:06	12 23:12	24 11:40	Nov. -3161j	11 00:03	20 10:50	June -3159j	10 05:30	21 17:40	1 07:23	13 21:02	23 11:07
4 19:04	15 07:27	26 21:12	1 16:50	13 04:44	22 16:52	1 22:23	12 11:14	24 01:09	3 15:45	16 05:34	25 20:04
7 05:30	17 19:01	29 09:14	3 23:55	15 13:11	25 02:53	4 06:18	14 20:46	26 11:24	6 02:16	18 16:09	28 07:11
9 18:09	20 07:47		6 10:33	18 00:45	27 15:29	6 17:33	17 08:46	28 23:16	8 14:15	21 04:29	30 19:55
12 06:23	22 19:13	May -3161j	8 23:08	20 13:36	30 04:33	9 06:24	19 21:32		11 03:06	23 17:33	
14 16:01	25 04:06	1 21:39	11 11:32	23 01:50		11 19:04	22 09:59	July -3158j	13 15:38	26 05:22	Feb. -3156j
16 22:36	27 10:34	4 08:34	13 22:16	25 12:15	Dec. -3160j	14 06:33	24 21:22	1 11:49	16 01:59	28 13:49	2 08:43
18 05:27	29 15:19	6 17:16	16 06:51	27 20:23	2 16:29	16 16:09	27 06:43	4 00:16	18 08:28	30 18:08	4 19:23
21 06:05	31 18:59	8 23:48	18 13:16	30 02:09	5 02:31	18 23:12	29 12:56	6 11:20	20 10:57		7 02:20
23 08:54		11 04:28	20 17:41		7 10:20	20 03:16	31 15:37	8 19:23	22 10:43	Aug. -3157j	9 05:30
25 11:51	Nov. -3162j	13 07:38	22 20:27	June -3160j	9 15:41	23 04:38		10 23:31	24 09:51	1 19:10	11 06:08
27 15:24	2 21:56	15 09:50	24 22:12	1 05:41	11 18:33	25 04:23	Jan. -3158j	13 00:16	26 10:28	3 18:46	13 06:00
29 20:19	5 00:37	17 11:59	27 00:01	3 07:30	13 19:30	27 04:32	2 15:37	16 23:22	28 14:11	5 18:53	15 06:53
	7 03:52	19 15:15	30 03:18	5 08:32	15 19:50	30 07:07	4 14:45	19 01:22	30 21:34	7 21:13	17 10:11
May -3162j	9 08:52	21 20:53		7 10:12	17 21:20		6 15:18	22 07:42		9 24:11	19 16:35
2 03:33	11 16:40	24 05:38	Dec. -3161j	9 14:02	20 01:52	July -3159j	8 19:14	24 07:31	Feb. -3157j	12 11:15	22 01:58
4 13:40	14 03:29	26 17:06	1 09:22	11 21:19	22 10:28	1 13:38	11 03:25	26 17:17	2 08:01	14 22:16	24 13:34
7 02:04	16 16:03	29 05:33	3 18:50	14 08:06	24 22:29	4 00:07	13 14:56	28 05:14	4 20:16	17 10:48	27 02:25
9 14:37	19 03:59	31 16:43	6 06:57	16 20:49	27 11:34	6 12:49	16 03:47	30 17:51	7 09:08	20 23:48	29 15:16
12 00:53	21 13:14		8 19:30	19 09:02	29 23:19	9 01:27	18 16:05		9 21:32	22 11:56	
14 07:39	23 19:16	June -3161j	11 06:15	21 18:59		11 12:30	21 03:03	July -3158j	12 08:16	24 21:35	March -3156j
16 11:21	25 22:48	3 01:11	13 14:08	24 02:20	Jan. -3159j	13 21:39	23 12:18	1 11:49	16 02:02	27 03:36	3 02:38
18 13:17	28 01:05	5 06:50	15 19:26	26 07:33	1 08:41	16 04:52	25 19:19	4 00:16	16 20:15	29 06:00	5 10:59
20 14:52	30 03:18	7 10:26	17 23:06	28 11:23	3 15:49	18 10:01	27 23:35	6 11:20	18 21:24	31 05:59	7 15:39
22 17:14		9 13:01	20 02:03	30 14:19	5 21:13	20 12:56	30 01:16	8 19:23	20 20:59		9 17:04
24 21:05	Dec. -3162j	11 15:32	22 04:57	July -3160j	8 01:09	22 14:08		10 30:06	22 20:57	2 05:23	11 16:39
26 27:02	2 06:18	13 18:42	24 08:16	1 16:47	10 03:44	24 14:54	Feb. -3158j	11 10:13	24 23:09		

with clock times in UT/GMT. The year -3156 astronomical counting style corresponds to year 3157 B.C.E historical counting style.

May -3156j 1 06:03 3 10:28 5 12:34 7 13:08 9 13:46 11 16:23 13 22:37 16 08:50 18 21:30 21 10:05 23 20:44 26 05:03 28 11:26 30 16:12	Nov. -3156j 10 19:34 12 22:51 14 23:32 16 23:11 18 23:53 21 03:42 23 11:43 25 23:15 28 12:06	May -3155j 23 07:36 25 08:58 27 08:26 29 08:06 31 10:03	Dec. -3155j 2 19:07 4 19:13 6 18:21 8 18:41 10 22:02 13 05:15 15 15:49 18 04:15 20 16:58 23 04:51 25 15:03 27 22:45 30 03:23	June -3154j 14 04:09 16 03:37 18 03:18 20 05:02 22 10:03 24 18:37 27 05:58 29 18:44	Dec. -3154j 24 14:46 26 14:12 28 14:30 30 17:20	July -3153j 1 21:15 3 23:18 5 23:22 7 23:18 9 23:38 11 20:51 13 13:09 14 23:45 16 23:45 19 12:02 22 00:57 24 13:16 26 23:36 29 06:39 31 09:59	Jan. -3152j 11 09:05 13 10:24 15 10:21 17 10:53 19 13:38 21 19:30 24 04:17 26 15:10 29 03:19 31 15:56	July -3152j 22 18:20 24 19:13 26 19:50 28 21:51 31 02:16	Feb. -3151j 1 05:44 3 06:50 5 08:24 7 11:34 9 16:43 11 23:46 14 08:40 16 19:33 19 08:06 21 20:44 24 07:04 26 13:23 28 15:52	Aug. -3151j 13 15:32 15 17:41 17 20:31 20 00:26 22 05:36 24 12:25 26 21:33 29 09:12 31 22:14	Feb. -3150j 23 04:31 25 07:18 27 10:21	March -3150j 1 14:01 3 18:54 6 01:53 8 11:40 10 23:53 13 12:36 15 23:17 18 06:26 20 10:18 22 12:12 24 13:37 26 15:49 28 19:58 31 01:11	Apr. -3150j 2 09:01 4 19:10 7 07:19 9 20:10 12 07:39 14 15:53 16 20:20 18 21:53 20 22:07 22 22:47 24 22:47 27 06:39 29 14:54	May -3150j 2 01:36 4 13:56 7 02:50 9 14:49 12 00:15 14 06:05 16 08:25 18 08:26 20 07:57 22 08:54 24 12:52 26 20:34 29 07:26 31 20:01	June -3150j 3 08:52 6 01:50 8 07:28 11 19:58 14 16:58 18 18:31 20 20:56 22 03:17 24 12:06 26 18:35 28 02:09 30 14:57	July -3150j 3 02:37 5 12:34 7 20:25 10 01:45 12 04:22 14 04:58 16 05:04 18 06:40 20 08:07 22 09:19 24 11:58 26 15:08 28 18:31 30 09:09	Aug. -3150j 1 18:28 3 01:50 6 07:28 8 11:19 11 18:31 14 16:50 16 21:52 18 21:08 20 16:40 22 05:26 24 16:51	Sept. -3150j 1 19:19 3 20:18 5 21:35 8 01:01 10 08:07 12 15:51 14 23:17 16 30:42 18 08:07 20 15:51 22 23:05 24 30:21 26 07:36 28 15:08 30 22:32	Oct. -3150j 1 19:19 3 20:18 5 21:35 8 01:01 10 08:07 12 15:51 14 23:17 16 30:42 18 08:07 20 15:51 22 23:05 24 30:21 26 07:36 28 15:08 30 22:32	Nov. -3150j 1 19:19 3 20:18 5 21:35 8 01:01 10 08:07 12 15:51 14 23:17 16 30:42 18 08:07 20 15:51 22 23:05 24 30:21 26 07:36 28 15:08 30 22:32	Dec. -3150j 1 19:19 3 20:18 5 21:35 8 01:01 10 08:07 12 15:51 14 23:17 16 30:42 18 08:07 20 15:51 22 23:05 24 30:21 26 07:36 28 15:08 30 22:32
---	---	--	---	---	---	--	---	---	--	---	---	--	---	--	--	--	---	--	---	---	---

with clock times in UT/GMT. The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

Table with columns for months and years (e.g., Sept. -3150j, March -3149j, Sept. -3149j, Apr. -3148j, Oct. -3148j, Apr. -3147j, Nov. -3147j, May -3146j, Nov. -3146j, June -3145j, Dec. -3145j, June -3144j) and rows of moon sign changes with associated times.

with clock times in UT/GMT. The year -3143 astronomical counting style corresponds to year 3144 B.C.E historical counting style.

Table with 12 columns representing months from Jan. to Oct. and 12 rows representing years from -3143 to -3101. Each cell contains moon sign change data including time and sign symbols.

with clock times in UT/GMT. The year -3137 astronomical counting style corresponds to year 3138 B.C.E historical counting style.

May -3137j 1 23:28 4 08:02 6 12:39 8 13:44 10 12:55 12 12:24 14 14:17 16 19:53 19 05:07 21 16:45 24 05:21 26 17:52 29 05:28 31 14:57	Nov. -3137j 11 13:27 13 20:25 15 23:11 17 23:06 19 22:18 21 22:57 24 02:39 26 09:51 28 19:53	May -3136j 23 01:53 25 06:46 27 08:15 29 08:07 31 08:23	June -3136j 2 10:40 4 15:47 6 23:44 9 10:01 11 22:03 14 11:05 16 23:40 19 09:53 21 16:16 23 18:48 25 18:47 27 18:09 29 18:50	Dec. -3137j 1 07:39 3 20:16 6 08:56 8 20:20 11 04:48 13 09:21 15 10:25 17 09:41 19 09:15 21 11:09 23 16:41 26 01:55 28 13:42 31 02:28	June -3137j 2 21:07 4 23:41 6 23:37 8 22:52 10 23:35 13 03:37 15 11:38 17 22:51 20 11:28 22 23:51 25 11:05 27 20:33 30 03:33	July -3137j 2 07:39 4 09:10 6 09:21 8 10:02 10 13:03 12 19:42 15 05:58 17 18:19 20 06:41 22 17:31 25 02:18 27 08:57 29 13:35 31 16:26	Aug. -3137j 2 18:12 4 19:57 6 23:06 9 04:58 11 14:12 14 02:04 16 14:33 19 01:26 21 09:37 23 15:14 25 19:52 27 02:17 30 00:42	Sept. -3137j 1 03:52 3 08:06 5 14:14 7 22:57 10 10:17 12 22:54 15 10:23 17 18:48 19 23:44 22 02:14 24 03:51 26 06:03 28 09:41 30 15:02	Oct. -3137j 2 22:08 5 07:09 7 18:15 10 06:53 12 19:09 15 04:40 17 10:06 19 12:02 21 12:14 23 12:45 25 15:16 27 20:30 30 04:18	Nov. -3137j 1 14:02 4 01:23 6 13:57 9 02:40	Nov. -3137j 11 13:27 13 20:25 15 23:11 17 23:06 19 22:18 21 22:57 24 02:39 26 09:51 28 19:53	May -3136j 23 01:53 25 06:46 27 08:15 29 08:07 31 08:23	June -3136j 2 10:40 4 15:47 6 23:44 9 10:01 11 22:03 14 11:05 16 23:40 19 09:53 21 16:16 23 18:48 25 18:47 27 18:09 29 18:50	July -3136j 2 21:07 4 23:41 6 23:37 8 22:52 10 23:35 13 03:37 15 11:38 17 22:51 20 11:28 22 23:51 25 11:05 27 20:33 30 03:33	Aug. -3136j 2 18:12 4 19:57 6 23:06 9 04:58 11 14:12 14 02:04 16 14:33 19 01:26 21 09:37 23 15:14 25 19:52 27 02:17 30 00:42	Sept. -3136j 1 03:52 3 08:06 5 14:14 7 22:57 10 10:17 12 22:54 15 10:23 17 18:48 19 23:44 22 02:14 24 03:51 26 06:03 28 09:41 30 15:02	Oct. -3136j 2 22:08 5 07:09 7 18:15 10 06:53 12 19:09 15 04:40 17 10:06 19 12:02 21 12:14 23 12:45 25 15:16 27 20:30 30 04:18	Nov. -3136j 1 14:02 4 01:23 6 13:57 9 02:40	Dec. -3136j 2 13:55 4 17:30 6 18:34 8 18:55 10 20:15 12 23:42 15 05:44 17 14:17 20 00:59 22 13:22 25 02:23 27 14:16 29 23:10	Jan. -3135j 1 04:08 3 05:43 5 05:26 7 05:12 9 06:51 11 11:38 13 19:55 16 07:01 18 19:40 21 08:37 23 20:37 26 06:25 28 13:01 30 16:11	Feb. -3135j 1 16:41 3 16:06 5 16:22 7 19:24 10 02:21 12 13:01 15 01:49 17 14:43 20 02:24 22 12:11 24 19:38 27 00:22	March -3135j 1 02:28 3 02:49 5 02:59 7 04:57 9 10:25 11 19:59 14 08:26 16 21:20 18 08:43 21 17:55 24 01:05 26 06:22 28 09:49 30 11:41	Apr. -3135j 1 12:53 3 14:56 5 19:37 8 04:06 10 15:52 13 04:44 15 16:06 18 00:49 20 07:07 22 11:47 24 15:24 26 18:15 28 20:46 30 23:49	May -3135j 3 04:44 5 12:43 7 23:53 10 12:38 13 00:21 15 09:09 17 14:52 19 18:27 21 21:04 23 23:38 26 02:43 28 06:50 30 12:40	June -3135j 1 20:55 4 07:50 6 20:31 9 08:45 11 18:18	July -3135j 1 15:08 4 03:47 6 16:26 9 03:05 11 10:11 13 13:35 15 14:20 17 14:11 19 14:57 21 18:09 24 00:33 26 09:59 28 21:34 31 10:17	Aug. -3135j 2 23:02 5 10:28 7 19:04 9 23:57 12 01:24 14 00:50 16 00:14 18 01:40 20 06:44 22 15:42 25 03:30 27 16:22 30 04:58	Sept. -3135j 1 16:27 4 01:58 6 08:32 8 11:43 10 12:07 12 11:21 14 11:36 16 14:55 18 22:30 20 09:46 22 22:41 24 11:09 26 22:10 28 22:10	Oct. -3135j 1 07:28 3 14:46 5 19:33 7 21:46 9 22:14 11 22:38 14 01:01 16 07:06 18 17:12 21 05:47 23 18:18 26 04:59 28 13:30 30 20:09	Nov. -3135j 2 01:11 4 04:38 6 06:47 8 08:33 10 11:23 12 16:52 15 01:53 17 13:46 20 02:23 22 13:18 24 21:26 27 03:01 29 06:55	Dec. -3135j 1 09:59 3 12:47 5 15:55 7 20:03 9 10:59	Jan. -3134j 1 21:25 4 02:26 6 09:33 8 18:47 11 06:01 13 18:30 16 06:40 18 16:26 20 22:29 23 01:01 25 01:26 27 01:37 29 03:21 31 07:52	Feb. -3134j 2 15:22 5 01:19 7 12:53 10 01:22 12 13:48 15 00:36 17 08:07 19 11:41 21 12:09 23 11:20 25 11:26 27 14:22	March -3134j 1 21:00 4 07:02 6 18:56 9 07:31 11 19:53 14 07:06 16 15:50 18 21:01 20 22:41 22 22:09 24 21:30 26 22:55 29 04:02 31 13:06	Apr. -3134j 3 00:54 5 13:34 8 01:45 10 12:44 12 21:49 15 04:11 17 07:27 19 08:13 21 08:02 23 08:56 25 12:45 27 20:30 30 07:35	May -3134j 2 20:09 5 08:14 7 18:45 10 03:19 12 09:47 14 14:01 16 16:15 18 17:25 20 18:55 22 22:24 25 05:08 27 15:17 30 03:32	June -3134j 1 15:42 4 02:00 6 09:51 8 15:28 10 19:25 12 22:16 15 00:41 17 03:27 19 07:36 21 14:09 23 23:38 26 11:30 28 23:53	July -3134j 1 10:32 3 18:08 5 22:48 8 01:33 10 03:41 12 06:16 14 09:59 16 15:15 18 22:25 21 07:49 23 19:25 26 08:03 28 19:29 31 03:45	Aug. -3134j 2 08:14 4 09:56 6 10:35 8 11:59 10 15:23 12 21:11 15 05:13 17 15:07 20 02:43 22 15:26 25 03:43 27 13:17 29 18:46 31 20:28	Sept. -3134j 2 20:06 4 19:51 6 21:40 9 02:41 11 10:51 13 21:19 16 09:12 18 21:54 20 10:29 23 21:16 26 04:27 28 07:30 30 07:27	Oct. -3134j 2 06:22 4 06:30 6 09:43 8 16:47 11 03:06 13 15:15 16 03:58 18 16:21 21 03:25 23 11:53 25 16:48 27 18:22 29 17:58 31 17:35	Nov. -3134j 2 19:17 5 00:33 7 09:42 9 21:37 12 10:24 14 22:30 17 09:03 19 17:30 21 23:26 24 02:47 26 04:07 28 04:42 30 06:12	Dec. -3134j 2 10:15 4 17:55 7 04:58 9 17:40 12 05:46 14 15:47 16 23:21 19 04:49 21 08:41 23 11:26 25 13:40 27 16:15 29 20:22	Jan. -3133j 1 03:12 3 13:16 6 01:39 8 14:01	Feb. -3133j 2 09:46 4 22:26 7 09:10 9 16:16 11 19:54 13 21:31 15 22:52 18 01:21 20 05:36 22 11:41 24 19:34 27 05:26	March -3133j 1 17:20 4 06:12 6 17:48 9 01:56 11 05:57 13 06:59 15 07:01 17 07:58 19 11:11 21 17:09 24 01:34 26 12:00 29 00:03 31 12:58	Apr. -3133j 3 01:11 5 10:33 7 15:52 9 17:32 11 17:10 13 16:51 15 18:26 17 23:09 20 07:10 22 17:50 25 06:09 27 19:03 30 07:20	May -3133j 2 17:30 5 00:16 7 03:24 9 03:50 11 03:18 13 03:45 15 06:53 17 13:38 19 23:51 22 12:13 25 01:06 27 13:05 29 23:13	June -3133j 1 06:46 3 11:22 5 13:22 7 13:48 9 14:12 11 16:20 13 21:41 16 06:51 18 18:53 21 07:45 23 19:27 26 04:59 28 12:13 30 17:22	July -3133j 1 07:06 3 15:01 6 02:26 8 15:16 10 07:06 12 09:53 14 11:03 16 11:50 18 14:00 20 19:20 23 04:41 25 17:04 28 05:57 30 17:01	Aug. -3133j 1 05:16 3 08:08 5 11:27 7 16:17 9 23:50 12 10:35 14 23:23 17 11:31 19 20:42 22 02:25 24 05:41 26 08:01 28 10:36 30 14:02	Sept. -3133j 1 18:30 4 00:20 6 08:12 8 18:42 11 07:22 13 20:06 16 06:13 18 12:21 20 15:04 22 16:02 24 17:04 26 19:30 28 23:59	Oct. -3133j 1 06:36 3 15:18 6 02:06 8 14:41 11 03:46 13 15:01 15 22:34 18 02:02 20 02:39 22 02:19 24 02:56 26 05:58 28 12:05 30 21:10	Nov. -3133j 2 08:30 4 21:14 7 10:16 9 22:08 12 07:10 14 12:25 16 14:10 18 13:48 20 13:12 22 14:20 24 18:45 27 03:03 29 14:27	Dec. -3133j 2 03:24 4 16:17 7 03:59 9 13:36 11 20:23 14 00:01 16 01:02 18 00:43 20 00:57 22 03:41 24 10:21 26 20:57 29 09:51 31 22:43	Jan. -3132j 3 09:58 5 19:08 8 02:12 10 07:06 12 09:53 14 11:03 16 11:50 18 14:00 20 19:20 23 04:41 25 17:04 28 05:57 30 17:01	Feb. -3132j 2 01:29 4 07:46 6 12:31 8 16:07 10 18:44 12 20:55 14 23:46 17 04:51 19 13:19 22 01:01 24 13:52 27 01:11 29 09:26	March -3132j 2 14:51 4 18:31 6 21:29 9 00:24 11 03:37 13 07:40 15 13:27 17 21:52 20 09:07 22 17:45 25 09:44 27 12:48 29 23:45	Apr. -3132j 1 02:28 3 04:07 5 06:00 7 09:02 9 13:43 11 20:24 14 05:24 16 16:40 19 05:25 21 17:45 24 03:32 26 09:35 28 12:16 30 12:58	May -3132j 2 13:22 4 15:04 6 19:10 9 02:07 11 11:44 13 23:22 16 12:08 19 00:44 21 11:28 23 18:54 25 22:36 27 23:25 29 22:56 31 23:06	June -3132j 3 01:42 5 07:50 7 17:27 10 05:25 12 18:16 15 06:48 17 17:55 20 02:34 22 07:53 24 09:54 26 09:43 28 09:09 30 10:17	July -3132j 2 14:53 4 23:37 7 11:27 10 00:23 12 12:42 14 23:34 17 08:31 19 15:03 21 18:46 23 19:58 25 19:54 27 20:29 29 23:46	Aug. -3132j 1 20:21 3 20:59 5 20:00 7 19:35 9 21:54 12 04:14 14 14:22 17 02:42 19 15:27 22 03:36 24 14:27 26 23:09 29 04:47 31 07:06	Sept. -3132j 2 14:40 5 03:02 7 13:14 9 20:50 12 02:25 14 06:39 16 10:59 18 18:11 21 10:22 23 11:34 25 13:50 27 15:86 29 17:42 31 19:16	Oct. -3132j 2 11:27 4 22:10 7 05:43 9 10:22 11 13:14 13 15:30 15 18:06 17 21:42 20 09:50 22 19:16 24 06:58 26 19:42	Nov. -3132j 1 07:17 3 15:46 5 20:34 7 22:31 9 23:10 12 00:14 14 03:06 16 08:29 18 16:26 20 21:02 23 14:19 26 03:01 28 15:16	Dec. -3132j 1 01:09 3 07:17 5 09:39 7 09:34 9 09:00 11 10:02 13 14:12 15 21:58 18 08:34 20 20:44 23 09:25 25 21:46 28 08:35 30 16:23	Jan. -3131j 1 20:21 3 20:59 5 20:00 7 19:35 9 21:54 12 04:14 14 14:22 17 02:42 19 15:27 22 03:36 24 14:27 26 23:09 29 04:47 31 07:06	Feb. -3131j 2 07:04 4 06:32 6 07:42 8 12:23 10 21:12 13 09:04 15 21:51 18 09:47 20 20:08	March -3131j 1 16:15 3 16:50 5 18:08 7 21:58 9 25:29 12 16:26 15 10:59 18 12:48 21 14:07 24 16:18 27 16:56 30 20:54	Apr. -3131j 2 03:25 4 07:32 6 14:30 9 00:36 11 02:48 14 00:57 16 10:59 18 18:11 21 10:22 23 11:34 25 13:50 27 15:86 29 17:42 31 19:16	May -3131j 1 15:47 3 23:04 6 08:51 8 20:45 11 09:10 13 19:50 16 03:15 18 07:20 20 09:13 22 10:26 24 12:30 26 16:20 28 22:18 31 06:22	June -3131j 2 16:25 4 04:13 7 16:50 10 04:23 12 12:48 14 17:18 16 18:38 18 18:34 20 19:07 22 21:57 25 03:47 27 12:22 29 22:58	July -3131j 2 10:54 4 23:35 7 11:44 9 21:28 12 03:19 14 05:16 16 04:48 18 05:16 20 05:16 22 09:49 24 17:59 27 04:49 29 17:01	Aug. -3131j 1 05:38 3 17:51 6 04:24 8 11:48 10 15:22 12 15:49 14 14:56 16 14:57 18 17:49 20 10:36 23 10:54 25 23:10 28 11:46 30 23:38
--	---	--	---	---	---	---	---	--	--	---	---	--	---	---	---	--	--	---	---	--	---	---	---	---	---	---	---	--	--	---	--	---	--	--	--	---	---	---	---	--	---	---	---	---	---	--	---	--	--	---	--	--	---	---	---	--	---	--	--	--	--	--	--	--	---	--	--	--	---	---	---	--	--	---	---

with clock times in UT/GMT. The year -3131 astronomical counting style corresponds to year 3132 B.C.E historical counting style.

Table with 12 columns representing months from Sept. -3131j to June -3125j. Each cell contains moon sign change data including time and sign symbols.

with clock times in UT/GMT. The year -3124 astronomical counting style corresponds to year 3125 B.C.E historical counting style.

Jan. -3124j 2 13:18 4 21:07 7 02:31 9 06:21 11 09:22 13 12:08 15 15:12 17 19:19 20 01:29 22 10:33 24 22:20 27 11:01 29 22:01	July -3124j 14 01:59 16 09:21 18 14:44 20 18:37 22 21:24 24 23:33 27 01:55 29 05:53 31 12:48	Jan. -3123j 23 15:57 25 23:12 28 04:38 30 08:20	Aug. -3123j 2 19:50 5 05:05 7 12:20 9 17:15 11 19:42 13 20:25 15 20:55 17 23:13 20 05:02 22 14:53	Feb. -3122j 12 10:36 14 19:51 17 02:36 19 06:20 21 07:27 23 07:19 25 07:56 27 11:15	Aug. -3122j 25 00:47 27 09:25 29 14:37 31 16:26	March -3121j 1 16:46 4 05:11 6 15:42 8 22:58 11 02:32 13 03:11 15 02:35 17 02:44 19 05:25 21 11:45	Sept. -3121j 11 07:32 13 19:32 16 04:48 18 10:15 20 12:09 22 11:53 24 11:19 26 12:25 28 16:41	March -3120j 22 22:45 25 09:48 27 17:37 29 21:42 31 22:42	Oct. -3120j 2 12:42 4 22:43 7 05:03 9 07:38 11 07:43 13 07:12 15 08:08 17 12:04 19 19:34 22 06:01	Apr. -3119j 14 02:39 16 11:27 18 16:21 20 17:54 22 17:45 24 17:57 26 20:16 29 01:42	Oct. -3119j 24 15:53 26 23:09 29 02:30 31 03:18	Nov. -3119j 2 03:35 4 05:12 6 09:16 8 15:56 11 00:45 13 11:17 15 23:20 18 12:12 21 00:09 23 08:54 25 13:24 27 14:21 29 13:38	May -3119j 1 10:08 3 20:47 6 08:49 8 21:29 11 09:41 13 19:42 16 02:01 18 04:24 20 04:07 22 03:15 24 03:59 26 07:59 28 15:46 31 02:30	June -3119j 2 14:46 5 03:26 7 15:38 10 02:18 12 10:00 14 13:59 16 14:45 18 13:57 20 13:45 22 16:13 24 22:34 26 08:36 29 20:49	July -3119j 2 09:28 4 21:23 7 07:51 9 16:07 11 21:30 13 23:55 16 00:20 18 00:26 20 02:09 22 07:07 24 15:54 27 03:37 29 16:15	Aug. -3119j 1 03:57 3 13:48 5 21:33 8 03:10 10 06:47 12 08:49 14 10:15 16 12:26 18 16:52 21 00:33 23 11:26 25 23:58 28 11:49 30 21:20	Sept. -3119j 2 04:09 4 08:49 6 12:10 8 14:57 10 17:47 12 21:19 15 02:19 17 09:41 19 19:53 22 08:11 24 20:30 27 12:55	Oct. -3119j 1 16:27 3 18:25 5 20:22 7 23:22 10 03:54 12 10:03 14 18:01 17 04:05 19 16:09 22 04:54
---	---	---	---	---	---	--	--	--	---	---	---	---	--	--	---	---	--	---

with clock times in UT/GMT. The year -3118 astronomical counting style corresponds to year 3119 B.C.E historical counting style.

May -3118j 1 06:28 3 18:49 6 04:24 8 10:06 10 12:40 12 13:47 14 15:11 16 18:04 18 22:52 21 05:36 23 14:18 26 01:09 31 02:37	Nov. -3118j 10 20:37 13 08:09 15 16:15 17 20:55 19 23:26 22 01:23 24 03:56 26 07:38 28 12:40 30 19:23	May -3117j 23 10:14 25 20:26 28 03:32 30 08:04	Dec. -3117j 2 23:42 5 09:10 7 15:57 9 20:41 12 00:10 14 03:03 16 05:53 18 09:19 20 14:15 22 21:36 25 07:46 27 20:00 30 08:18	June -3116j 13 12:36 15 21:40 18 04:23 20 09:09 22 12:30 24 14:59 26 17:21 28 20:35	Dec. -3116j 24 02:43 26 11:30 28 17:59 30 22:36	July -3115j 3 05:29 5 16:08 8 00:31 10 06:41 12 10:48 14 13:13 16 14:36 18 16:08 20 19:23 23 01:48 25 11:53 28 00:27 30 12:58	Jan. -3114j 12 20:19 15 06:33 17 14:40 19 20:35 22 00:13 24 01:49 26 02:24 28 03:37 30 07:21	July -3114j 25 10:05 27 20:04 30 03:50	Feb. -3113j 1 13:26 4 01:02 6 10:53 8 17:56 10 21:33 12 22:13 14 21:34 16 21:42 19 00:43 21 07:48 23 18:34 26 07:11 28 19:40	Aug. -3113j 14 03:42 16 15:15 19 00:13 21 05:23 23 06:55 25 06:16 27 05:36 29 07:03 31 12:08	Feb. -3112j 23 19:11 26 06:07 28 13:34	March -3112j 1 17:02 3 17:26 5 16:39 7 16:45 9 19:28 12 01:48 14 11:32 16 23:33 19 12:27 22 00:59 24 12:02 26 20:25 29 01:27 31 03:24	Sept. -3113j 2 21:03 5 08:40 7 21:17 10 09:38 12 20:55 15 06:16 17 12:48 19 16:09 21 16:59 23 16:50 25 17:39 27 21:14 30 04:39	Apr. -3112j 2 03:27 4 03:19 6 04:53 8 09:39 10 18:13 13 05:52 15 18:46 18 07:06 20 17:41 23 01:59 25 07:46 27 11:11 29 12:46	May -3112j 1 13:35 3 15:07 5 18:56 8 02:15 10 13:04 13 01:49 15 14:06 18 00:13 20 07:46 22 13:10 24 17:01 26 19:49 28 22:03 31 00:32	June -3112j 2 04:27 4 11:05 6 21:06 8 31:07 10 41:08 13 51:09 16 01:10 19 11:11 22 21:12 25 31:13 28 41:14 31 51:15	July -3111j 1 06:26 3 06:52 5 07:33 7 10:18 9 16:36 12 02:50 14 15:32 17 04:17 19 15:09 21 23:38 24 06:00 26 10:42 28 13:58 30 16:05	Nov. -3118j 1 05:48 3 11:29 5 20:03 8 07:39	Nov. -3117j 10 20:37 13 08:09 15 16:15 17 20:55 19 23:26 22 01:23 24 03:56 26 07:38 28 12:40 30 19:23	June -3117j 1 11:10 3 13:49 5 16:39 7 20:09 10 00:57 12 07:54 14 17:35 17 05:40 19 18:22 22 05:18 24 12:50 26 17:02 28 19:02 30 20:18	July -3117j 2 22:11 5 01:37 7 07:07 9 14:54 12 01:00 14 13:03 17 01:55 19 13:40 22 22:25 24 03:20 26 05:05 28 05:11 30 05:26	Aug. -3117j 1 07:33 3 12:34 5 20:43 8 07:24 10 19:40 13 08:32 15 20:46 18 06:48 20 13:19 22 16:05 24 16:08 26 15:18 28 15:40 30 19:05	Sept. -3117j 2 02:28 4 13:12 7 01:45 9 14:35 12 02:43 14 13:18 16 21:19 19 01:56 21 03:17 23 02:40 25 02:08 27 03:55 29 09:38	Oct. -3117j 1 19:30 4 07:59 6 20:50 9 08:37 11 18:50 14 03:13 16 09:12 18 12:25 20 13:20 22 13:23 24 14:33 26 18:50 29 03:15 31 15:02	Nov. -3117j 3 03:53 5 15:33 8 01:09 10 08:45 12 14:38 14 18:48 16 21:22 18 22:59 21 00:59 23 05:01 25 12:22 27 23:10 30 11:46	May -3117j 3 01:08 5 05:18 7 08:28 9 10:55 11 13:23 13 17:08 15 23:34 18 09:24 20 21:45	June -3116j 1 11:21 3 16:30 6 01:13 8 12:48 11 01:17	Dec. -3116j 1 12:32 3 16:58 5 18:58 7 19:34 9 20:20 11 21:00 13 00:55 15 03:53 17 04:41 19 04:46 21 05:52 23 09:40 25 17:12 28 04:14 30 17:02	Jan. -3115j 2 01:46 4 04:01 6 06:09 8 09:16 10 14:40 12 23:17 15 10:52 17 23:35 20 10:55 22 19:18 25 00:47 27 04:20 29 07:08 31 10:00	Feb. -3115j 2 13:25 4 17:45 6 23:41 9 08:01 11 19:04 14 07:45 16 19:38 19 04:27 21 09:33 23 11:59 25 13:27 27 15:27	March -3115j 1 18:55 4 00:05 6 06:59 8 15:47 11 02:46 13 15:24 15 24:53 18 13:40 20 19:25 22 21:36 24 21:57 26 22:27 28 22:02 31 05:29	Apr. -3115j 2 12:48 4 22:15 7 09:33 9 22:13 11 11:01 14 21:50 17 04:54 19 07:57 21 08:13 23 07:42 25 08:23 27 11:45 29 18:23	May -3115j 2 03:58 4 15:37 7 04:23 9 17:09 12 04:29 14 12:49 16 17:24 18 18:45 20 18:21 22 18:08 24 19:58 27 01:09 29 09:59 31 21:36	June -3115j 3 10:27 5 23:02 8 10:11 10 19:01 13 00:55 15 03:53 17 04:41 19 04:46 21 05:52 23 09:40 25 17:12 28 04:14 30 17:02	July -3115j 3 05:29 5 16:08 8 00:31 10 06:41 12 10:48 14 13:13 16 14:36 18 16:08 20 19:23 23 01:48 25 11:53 28 00:27 30 12:58	Aug. -3115j 1 23:20 4 06:54 6 12:15 8 16:14 10 19:28 12 22:15 15 01:05 17 04:53 19 10:59 21 20:18 24 08:29 26 21:16 29 07:57 31 15:12	Sept. -3115j 2 19:31 4 22:17 7 00:49 9 03:54 11 07:49 13 12:48 15 19:30 18 04:42 20 16:32 23 05:35 25 17:06 28 01:01 30 05:08	Oct. -3115j 2 06:46 4 07:44 6 09:35 8 13:11 10 18:48 13 02:26 15 12:11 18 00:00 20 13:05 23 01:26 25 10:44 27 15:55 29 17:37 31 17:33	Nov. -3115j 2 17:38 4 19:33 7 00:18 9 08:06 11 18:28 14 06:37 16 19:40 19 08:17 21 18:45 24 01:40 26 04:47 28 05:06 30 04:22	Dec. -3115j 2 04:34 4 07:28 6 14:05 9 00:16 11 12:43 14 01:48 16 14:12 19 00:55 21 09:02 23 14:00 25 15:57 27 15:55 29 15:37 31 17:00	Jan. -3114j 2 21:52 5 06:53 7 19:03 10 08:12	Feb. -3114j 1 14:57 4 02:17 6 15:17 9 03:23 11 13:05 13 20:26 16 01:58 18 06:07 20 09:03 22 11:08 24 13:19 26 17:06 28 23:56	March -3114j 3 10:22 5 23:03 8 11:19 10 21:01 13 03:43 15 08:13 17 11:34 19 14:32 21 17:30 23 20:56 26 01:37 28 08:39 30 18:39	Apr. -3114j 2 07:01 4 19:34 7 05:49 9 12:37 11 16:25 13 18:32 15 20:21 17 22:52 20 02:44 22 08:22 24 16:10 27 02:22 29 14:35	May -3114j 2 03:22 4 14:28 6 22:09 9 02:12 11 03:39 13 04:06 15 05:12 17 08:15 19 13:56 21 22:21 24 09:05 26 21:12 29 10:16 31 22:03	June -3114j 3 07:01 5 12:16 7 14:08 9 14:00 11 13:43 13 15:10 15 19:47 18 03:59 20 15:02 23 03:37 25 16:25 28 04:21 30 14:16	July -3114j 2 21:04 5 00:22 7 00:51 9 00:08 11 00:16 13 03:15 15 10:17 17 20:59 20 09:41 22 22:26	Aug. -3114j 1 08:46 3 10:51 5 10:58 7 10:53 9 12:43 11 18:13 14 03:54 16 16:18 19 05:03 21 16:22 24 01:44 26 09:16 30 18:30	Sept. -3114j 1 20:15 3 21:13 5 23:05 8 03:41 10 12:08 12 23:53 15 12:38 17 23:58 20 08:49 22 15:23 24 20:19 27 00:06 29 03:00	Oct. -3114j 1 05:29 3 08:31 5 13:22 7 21:13 10 08:13 12 20:51 15 08:40 17 17:43 19 23:40 22 03:20 24 05:53 26 08:21 28 11:27 30 15:42	Nov. -3114j 1 21:40 4 05:52 6 16:32 9 04:59 11 17:22 14 03:24 16 09:50 18 12:57 20 14:06 22 14:55 24 16:57 26 21:12 29 03:58	Dec. -3114j 1 13:02 4 00:01 6 12:23 9 01:02 11 12:11 13 20:03 15 23:58 18 00:46 20 00:14 22 00:26 24 03:12 26 09:26 28 18:51 31 06:22	Jan. -3113j 2 18:52 5 07:31 7 19:13 10 04:31 12 10:07 14 11:59 16 11:25 18 10:29 20 11:28 22 16:02 25 00:40 27 12:12 30 00:55	Feb. -3113j 1 13:26 4 01:02 6 10:53 8 17:56 10 21:33 12 22:13 14 21:34 16 21:42 19 00:43 21 07:48 23 18:34 26 07:11 28 19:40	March -3113j 3 06:53 5 16:23 7 23:46 10 04:37 12 06:56 14 07:35 16 08:12 18 10:40 20 16:30 23 02:06 25 14:14 28 02:43 30 13:43	Apr. -3113j 1 22:03 4 05:17 6 10:06 8 13:18 10 15:23 12 17:17 14 20:20 17 01:50 19 10:33 21 22:03 24 10:30 26 21:41 29 06:14	May -3113j 1 12:05 3 15:55 5 18:41 7 21:13 10 04:14 12 04:25 14 10:30 16 19:03 19 06:06 21 18:33 24 06:15 26 15:12 28 20:44 30 23:31	June -3113j 2 01:00 4 02:42 6 05:45 8 10:42 10 17:42 13 02:44 15 13:43 18 02:09 20 14:27 23 00:25 25 06:36 29 09:32	July -3113j 1 09:44 3 11:34 5 16:08 7 23:33 10 09:13 12 20:31 15 08:57 17 21:35 20 08:38 22 16:14 24 19:42 26 20:02 28 19:11 30 19:23	Aug. -3113j 1 09:50 3 12:34 5 16:15 7 20:07 9 22:09 11 23:00 13 00:42 15 06:19 17 14:08 19 23:51 22 11:19 25 00:07 27 12:41 29 22:44	Sept. -3113j 2 21:03 5 04:05 7 16:23 10 03:07 12 11:50 14 18:23 16 22:47 19 01:20 21 02:46 23 04:21 25 07:36 27 13:51 29 23:34	Oct. -3113j 2 15:30 5 04:05 7 16:23 10 03:07 12 11:50 14 18:23 16 22:47 19 01:20 21 02:46 23 04:21 25 07:36 27 13:51 29 23:34	Nov. -3113j 1 11:47 4 00:16 6 10:53 8 18:47 11 00:17 13 04:09 15 07:12 17 10:00 19 13:07 21 17:15 23 23:24 26 08:22 28 20:03	Dec. -3113j 1 08:44 3 19:53 6 03:44 8 08:19 10 10:48 12 12:46 14 15:25 16 19:20 19 00:42 21 07:42 23 16:45 26 04:06 28 16:53 31 04:52	Jan. -3112j 2 13:37 4 18:20 6 20:58 8 19:24 10 21:32 13 00:42 15 06:19 17 14:08 19 23:51 22 11:19 25 00:07 27 12:41 29 22:44	Feb. -3112j 1 04:39 3 06:41 5 06:27 7 06:05 9 07:33 11 12:00 13 19:38 16 05:47 18 17:38 21 06:27	March -3112j 1 17:02 3 17:26 5 16:39 7 16:45 9 19:28 12 01:48 14 11:32 16 23:33 19 12:27 22 00:59 24 12:02 26 20:25 29 01:27 31 03:24	Apr. -3112j 2 03:27 4 03:19 6 04:53 8 09:39 10 18:13 13 05:52 15 18:46 18 07:06 20 17:41 23 01:59 25 07:46 27 11:11 29 12:46	May -3112j 1 13:35 3 15:07 5 18:56 8 02:15 10 13:04 13 01:49 15 14:06 18 00:13 20 07:46 22 13:10 24 17:01 26 19:49 28 22:03 31 00:32	June -3112j 2 04:27 4 11:05 6 21:06 8 31:07 10 41:08 13 51:09 16 01:10 19 11:11 22 21:12 25 31:13 28 41:14 31 51:15	July -3112j 1 19:45 4 05:21 6 17:31 9 06:19 11 17:01 14 00:02 16 03:42 18 15:30 20 22:07 22 09:45 24 13:53 26 19:40 29 03:16 31 13:05	Aug. -3112j 3 01:07 5 14:10 8 01:48 10 09:50 12 13:49 14 14:58 16 15:10 18 16:14 20 19:26 23 01:12 25 09:27 27 19:50 30 07:59
--	---	--	---	---	---	--	---	---	---	---	---	---	---	---	--	---	--	---	---	---	---	---	--	---	--	--	---	--	---	---	--	---	--	--	--	---	--	---	---	---	--	---	---	---	--	---	---	--	--	---	---	---	--	---	---	---	--	---	---	--	---	--	---	---	---	--	---	---	--	---	---	--

with clock times in UT/GMT. The year -3112 astronomical counting style corresponds to year 3113 B.C.E historical counting style.

Sept. -3112j	March -3111j	Sept. -3111j	Apr. -3110j	Oct. -3110j	Apr. -3109j	Nov. -3109j	May -3108j	Nov. -3108j	June -3107j	Dec. -3107j	June -3106j
1 21:05	14 12:15	H 24 01:55	3 03:57	13 17:34	25 07:32	2 09:04	13 22:57	23 12:32	2 14:13	13 04:39	24 18:59
4 09:23	16 23:32	H 26 11:59	5 15:43	16 04:40	27 17:28	4 20:50	16 09:37	25 22:35	5 01:55	15 16:19	27 06:22
6 18:49	19 07:28	H 28 18:23	8 00:42	18 12:16	29 23:49	7 05:29	18 17:27	28 06:16	7 11:45	18 02:03	29 15:39
9 00:14	21 11:34	H 30 21:13	10 05:57	20 16:15		9 10:59	20 22:56	30 12:04	9 19:29	20 09:33	
11 02:01	23 12:42		12 08:03	22 17:53	May -3109j	11 14:28	23 02:58		12 01:08	22 14:47	July -3106j
13 01:44	25 12:29	Oct. -3111j	14 08:34	24 18:58	2 03:12	13 17:18	25 06:11	Dec. -3108j	14 04:51	24 17:54	1 22:27
15 01:22	27 12:45	2 21:47	16 09:21	26 21:06	4 05:10	15 20:18	27 08:59	2 16:24	16 07:03	26 19:30	4 02:39
17 02:46	29 15:09	4 21:53	18 11:55	29 01:09	6 07:11	17 23:47	29 11:52	4 19:33	18 08:37	28 20:42	6 04:36
19 07:13	31 20:43	6 23:19	20 17:06	31 07:14	8 10:13	20 04:02	31 15:40	6 21:55	20 10:52	30 22:57	8 05:16
21 15:06		9 03:23	23 00:54		10 14:36	22 09:41		9 00:22	22 15:14		10 06:06
24 01:50	Apr. -3111j	11 10:30	25 10:50	Nov. -3110j	12 20:31	24 17:39	June -3108j	11 04:11	24 22:46	Jan. -3106j	12 08:49
26 14:17	3 05:34	13 20:15	27 22:24	2 15:10	15 04:18	27 04:28	2 21:35	13 10:39	27 09:28	2 03:44	14 14:53
29 03:17	5 16:56	16 07:49	30 10:58	5 00:56	17 14:27	29 17:16	5 06:33	15 20:22	29 21:53	4 12:00	17 00:45
	8 05:40	18 20:23		7 12:34	20 02:46		7 18:18	18 08:30		6 23:27	19 13:12
Oct. -3112j	10 18:34	H 21 08:59	May -3110j	10 01:23	22 15:36	Dec. -3109j	10 07:02	20 20:53	July -3107j	9 12:12	22 01:56
1 15:37	13 06:17	H 23 20:07	2 23:18	12 13:24	25 02:25	2 05:39	12 18:10	23 07:16	2 09:44	11 23:54	24 12:56
4 01:56	15 15:26	H 26 04:09	5 09:27	14 22:17	27 09:22	4 15:04	15 02:08	25 14:38	4 19:21	14 09:04	26 21:30
6 09:01	17 21:05	H 28 08:17	7 15:51	17 02:57	29 12:35	6 20:40	17 07:01	27 19:21	7 02:15	16 15:37	28 03:52
8 12:33	19 23:17	H 30 09:07	9 18:24	19 04:10	31 13:32	8 23:18	19 09:52	29 22:25	9 06:57	18 20:11	31 08:29
10 13:14	21 23:11		11 18:22	21 03:54		11 00:37	21 11:59		11 10:14	20 23:33	
12 12:40	23 22:34	Nov. -3111j	13 17:47	23 04:16	June -3109j	13 02:13	23 14:22	Jan. -3107j	13 12:55	23 02:20	Aug. -3106j
14 12:44	25 23:24	1 08:18	15 18:47	25 06:57	2 14:08	15 05:08	25 17:42	1 00:54	15 15:40	25 05:03	2 11:43
16 15:21	28 03:27	3 07:59	17 22:51	27 12:39	4 15:58	17 09:50	27 22:30	3 03:38	17 19:11	27 08:24	4 13:57
18 21:46	30 11:27	5 10:15	20 06:24	29 21:05	6 19:59	19 16:28	30 05:17	5 07:15	20 00:14	29 13:22	6 15:53
21 07:58		7 16:18	22 16:40		9 02:19	22 01:13		7 12:18	22 07:37	31 21:00	8 18:47
23 20:32	May -3111j	10 01:59	25 04:34	Dec. -3110j	11 10:49	24 12:10	July -3108j	9 19:23	24 17:45		11 00:09
26 09:32	2 22:45	12 13:56	27 17:11	2 07:30	13 21:22	27 00:51	2 14:30	12 04:56	27 05:57	Feb. -3106j	13 09:01
28 21:30	5 11:39	15 02:39	30 05:40	4 19:21	16 09:43	29 13:37	5 02:06	14 16:39	29 18:14	3 07:41	15 20:58
31 07:38	8 00:27	17 15:05		7 08:08	18 22:48		7 14:53	17 05:12		5 20:17	18 09:49
	10 12:03	H 20 02:28	June -3110j	9 20:38	20 20:31	Jan. -3108j	10 02:46	19 16:21	Aug. -3107j	8 08:21	20 20:54
Nov. -3112j	12 21:41	H 22 11:43	1 16:40	12 06:51	23 18:46	1 00:11	12 11:38	22 00:20	1 04:18	10 17:38	23 04:55
2 15:27	15 04:38	H 24 17:41	4 00:34	14 13:07	25 22:53	3 06:56	14 16:49	24 04:48	3 10:59	12 23:32	25 10:15
4 20:37	17 08:28	H 26 20:05	6 04:29	16 15:23	27 23:48	5 09:58	16 19:03	26 06:45	5 14:41	15 02:55	27 13:59
6 23:10	19 09:35	H 28 19:52	8 05:04	18 15:01	29 23:25	7 10:35	18 19:49	28 07:42	7 16:39	17 05:14	29 17:10
8 23:50	21 09:15	H 30 18:59	10 04:06	20 14:12		9 10:38	20 20:44	30 09:17	9 18:25	19 07:43	31 20:16
11 00:01	23 09:23		12 03:49	22 15:04	July -3109j	11 11:50	22 23:11		11 21:10	21 11:04	
13 01:37	25 12:00	Dec. -3111j	14 06:16	24 19:07	1 23:42	13 15:27	25 04:03	Feb. -3107j	14 01:30	23 15:35	Sept. -3106j
15 06:24	27 18:35	2 19:41	16 12:34	27 02:47	4 02:14	15 22:01	27 11:32	1 12:40	16 07:37	25 21:30	2 23:35
17 15:17	30 05:09	4 23:55	18 22:26	29 13:19	6 07:51	18 07:21	29 21:24	3 18:23	18 15:38	28 05:25	5 03:36
20 03:26		7 08:23	21 10:27		8 16:28	20 18:49		6 02:23	20 21:44		7 09:17
22 16:29	June -3111j	9 20:05	23 23:07	Jan. -3109j	11 03:28	23 07:33	Aug. -3108j	8 12:25	23 13:45	March -3106j	9 17:43
25 04:12	1 17:55	12 08:54	26 11:25	1 01:31	13 15:59	25 20:23	1 09:10	11 00:08	26 02:28	2 15:48	12 05:10
28 13:38	4 06:39	14 21:11	28 22:32	3 14:17	16 05:04	28 07:43	3 21:59	13 12:43	30 21:03	5 04:15	14 18:07
29 20:54	6 17:52	17 08:09		6 02:40	18 17:13	30 15:57	6 10:23	16 00:35		7 16:46	17 05:49
	9 03:09	19 17:27	July -3110j	8 13:25	21 02:45		8 20:32	18 09:47		10 02:49	19 14:08
Dec. -3112j	11 10:25	22 00:27	1 07:21	10 21:08	23 08:28	Feb. -3108j	11 03:02	20 15:08	Sept. -3107j	12 08:59	21 18:53
2 02:23	13 15:27	24 04:36	3 12:52	12 13:09	25 10:34	1 20:25	13 05:50	22 17:01	2 00:38	14 11:45	23 21:21
4 06:15	15 18:09	26 06:04	5 15:00	15 02:04	27 10:22	3 21:41	15 06:04	24 16:55	4 01:32	16 12:47	25 23:10
6 08:39	17 19:07	28 06:04	7 14:53	17 01:30	29 09:46	5 21:15	17 05:34	26 16:53	6 01:43	18 13:54	28 01:37
8 10:12	19 19:43	30 06:33	9 14:26	19 01:28	31 10:42	7 21:01	19 06:19	28 18:48	8 03:05	20 16:29	30 05:17
10 12:11	21 21:49		11 15:44	21 03:51		9 22:51	21 09:55		10 06:53	22 21:08	
12 16:19	24 03:14	Jan. -3110j	13 20:28	23 09:53	Aug. -3109j	12 04:07	23 17:04	March -3107j	12 13:24	25 03:51	Oct. -3106j
14 23:59	26 12:40	1 09:33	16 05:10	25 19:35	2 14:42	14 13:04	26 03:20	2 23:51	14 22:12	27 12:29	2 10:20
17 11:16	29 00:59	3 16:27	18 16:47	28 07:43	4 22:26	17 00:47	28 15:28	5 08:05	17 08:46	29 23:07	4 17:01
20 00:15		6 03:09	21 05:27	30 20:33		7 09:21	30 13:43	7 18:41	19 20:48		7 01:49
22 12:07	July -3111j	8 15:47	23 17:32		9 22:03	9 22:03	22 02:25	10 06:40	22 09:40	Apr. -3106j	9 13:05
24 21:11	1 13:42	11 04:04	26 10:10	Feb. -3109j	12 11:01	12 11:01	24 13:49	12 19:15	24 21:42	1 11:30	12 02:03
27 03:30	4 00:41	13 14:38	28 12:51	2 08:38	14 22:59	14 22:59	26 22:55	15 07:27	27 06:42	4 00:22	14 14:29
29 08:01	6 09:19	15 23:12	30 19:08	4 19:02	17 08:57	17 08:57	29 04:58	17 17:44	29 11:28	6 11:23	16 23:56
31 11:37	8 15:54	18 05:52		7 03:06	19 16:02	19 16:02		20 00:35		8 18:39	19 05:18
	10 20:54	20 10:38	Aug. -3110j	9 08:24	21 19:55	March -3108j	21 19:55	22 03:32	22 03:32	10 21:53	21 07:20
Jan. -3111j	13 00:30	22 13:32	1 22:48	11 11:02	23 21:09	2 07:48	23 21:09	24 03:34	3 11:48	12 22:25	23 07:42
2 14:47	15 02:54	24 15:09	4 00:19	13 11:53	25 20:59	4 08:13	25 20:59	26 02:39	5 11:27	14 22:15	25 08:31
4 17:45	17 04:48	26 16:41	6 00:54	15 12:20	27 21:14	6 07:44	27 21:14	28 03:01	7 13:31	16 23:17	27 10:56
6 21:02	19 07:31	28 19:44	8 02:14	17 14:06	29 23:43	8 08:22	29 23:43	30 06:31	9 19:02	19 02:51	29 15:45
9 01:43	21 12:37	31 01:47	10 06:02	19 18:46		10 11:59			11 03:53	21 09:19	31 23:03
11 09:04	23 21:11		12 13:23	22 03:08	Sept. -3109j	12 19:40	22 09:13	Apr. -3107j	12 03:49	23 18:23	
13 19:39	26 08:52	Feb. -3110j	15 00:09	24 14:40	1 05:53	15 06:58	24 21:29	1 13:52	14 14:51	26 05:29	Nov. -3106j
16 08:24	28 21:36	2 11:22	17 12:39	27 03:29	3 15:56	17 19:56	27 10:23	4 00:25	17 03:07	28 17:58	3 08:37
18 20:41	31 08:48	4 23:29	20 00:45		6 04:33	20 08:31	29 22:37	6 12:39	19 15:54		5 20:10
21 06:08		7 11:52	22 10:56	March -3109j	8 17:28	22 19:32		9 01:15	22 04:14	May -3106j	8 09:05
23 12:07	Aug. -3111j	9 22:27	24 18:47	1 15:25	11 05:01	25 04:33	Oct. -3108j	11 13:21	24 14:26	1 06:55	10 21:56
25 15:32	2 17:09	12 06:27	27 00:31	4 01:14	13 14:28	27 11:20	2 09:32	14 00:03	26 21:01	3 18:37	13 08:38

with clock times in UT/GMT. The year -3105 astronomical counting style corresponds to year 3106 B.C.E historical counting style.

Jan. -3105j 1 21:36 4 10:09 6 21:08 9 05:59 11 12:13 13 15:37 15 16:41 17 16:38 19 17:18 21 20:39 24 04:01 26 15:12 29 04:15 31 16:42	July -3105j 14 12:08 17 00:17 19 10:51 21 18:56 23 23:49 26 01:32 28 01:13 30 00:47	Jan. -3104j 24 03:17 26 15:19 29 01:36 31 08:48	Aug. -3104j 2 04:48 4 17:30 7 05:23 9 14:31 11 19:40 13 21:04 15 20:19 17 19:38 19 21:10 22 02:18 24 11:06 26 22:26 29 10:53 31 23:28	Feb. -3103j 11 20:00 14 08:54 16 20:06 19 03:43 21 07:09 23 07:31 25 06:46 27 07:01	Aug. -3103j 24 10:21 26 22:50 29 08:26 31 13:54	March -3102j 1 00:21 3 12:31 6 01:27 8 12:54 10 20:59 13 01:16 15 02:43 17 02:59 19 03:47 21 06:30 23 11:56 25 20:12 28 06:52 30 19:14	Sept. -3102j 10 13:55 13 02:22 15 14:49 18 01:00 20 07:37 22 10:55 24 12:11 26 13:04 28 15:01 30 19:05	March -3101j 23 04:19 25 16:44 28 04:36 30 13:49	Oct. -3101j 2 17:27 5 06:06 7 17:21 10 01:27 12 06:15 14 08:52 16 10:49 18 13:22 20 17:11 22 22:29 25 05:25 27 01:22 30 14:34	Feb. -3105j 3 03:11 5 11:29 7 17:50 9 22:18 12 00:59 14 02:22 16 03:41 18 06:38 20 12:53 22 22:59 25 11:39 28 00:11	Sept. -3105j 13 06:13 15 16:25 18 00:44 20 06:47 22 10:13 24 11:24 26 11:36 28 12:44 30 16:49	March -3104j 2 22:17 4 22:19 6 22:16 9 00:10 11 05:40 13 15:07 16 03:14 18 15:51 21 03:21 23 13:01 25 20:42 28 02:13 30 05:31	Sept. -3104j 13 22:02 15 07:17 17 15:16 20 07:09 22 12:07 24 17:43 26 17:17 28 18:43 30 23:26	Oct. -3104j 5 10:09 7 14:48 9 16:56 11 17:34 13 18:17 15 20:52 18 02:45 20 12:19 23 00:29 25 13:03 28 00:11 30 09:02	Apr. -3103j 2 07:54 4 19:20 7 08:10 9 20:51 12 08:10 14 17:15 16 23:28 19 02:45 21 03:47 23 03:56 25 04:53 27 08:20 29 15:25	May -3103j 2 02:05 4 14:46 7 03:22 9 14:14 11 22:47 14 05:02 16 09:15 18 11:47 20 13:19 22 14:56 24 18:05 27 00:10 29 09:50 31 22:10	Nov. -3103j 2 13:47 4 15:06 6 19:45 9 04:31 11 16:31 14 05:37 16 17:48 19 04:07 21 12:19 23 18:22 25 22:11 28 00:01 30 00:45	Dec. -3103j 2 01:58 4 05:30 6 12:48 8 23:54 11 12:54 14 01:07 16 10:56 18 18:15 20 23:45 23 03:57 25 07:06 27 09:28 29 11:48 31 15:30	June -3102j 3 01:56 5 07:05 7 09:29 9 09:53 11 09:51 13 11:27 15 16:29 18 01:41 20 13:55 23 02:49 25 14:20 27 23:49 30 07:20	July -3102j 2 12:59 4 16:41 6 18:38 8 19:43 10 21:32 13 01:52 15 09:57 17 21:27 20 10:15 22 21:49 25 06:51 27 13:29 29 18:25 31 22:11	Aug. -3102j 3 01:07 5 03:37 7 06:34 9 11:15 11 18:53 14 05:42 16 18:20 19 06:17 21 15:32 23 21:39 26 01:24 28 04:01 30 06:28	Sept. -3102j 1 09:29 3 13:35 5 19:20 8 03:22	Oct. -3102j 3 01:37 5 10:30 7 21:24 10 09:45 12 22:27 15 09:42 17 17:45 19 21:53 21 22:53 23 22:26 25 22:35 28 01:09 30 07:08	Nov. -3102j 1 16:22 4 03:49 6 16:18 9 04:57 11 16:43 14 02:11 16 08:05 18 10:15 20 09:51 22 08:53 24 09:37 26 13:53 28 22:16	Dec. -3102j 1 09:45 3 22:28 6 10:59 8 22:33 11 08:29 13 15:49 15 19:51 17 20:51 19 20:17 21 20:16 23 22:55 26 05:40 28 16:16 31 04:55	Jan. -3101j 2 17:25 5 04:35 7 14:02 9 21:32 12 02:43 14 05:27 16 06:23 18 07:01 20 09:15 22 14:45 25 00:06 27 12:11 30 00:43	Feb. -3101j 1 11:45 3 20:32 6 03:13 8 08:08 10 11:33 12 13:53 14 15:57 16 18:59 19 00:18 21 08:48 23 20:11 26 08:42 28 20:00	March -3101j 3 04:39 5 10:30 7 14:16 9 16:58 11 19:29 13 22:32 16 02:46 18 08:51 20 17:21	Apr. -3101j 12 08:43 14 15:42 17 00:48 19 11:49 22 00:13 24 12:35 26 22:51 29 05:27	May -3101j 1 08:18 3 08:44 5 08:41 7 10:02 9 14:09 11 21:19 14 06:59 16 18:23 19 06:50 21 19:28 24 06:41 26 14:40 28 18:37 30 19:14	June -3101j 1 18:22 3 18:14 5 20:47 8 03:02 10 12:36 13 00:18 15 12:51 18 01:26 21 12:30 24 22:12 26 03:46 28 05:39 29 05:11	July -3101j 1 04:25 3 05:32 5 10:12 7 18:47 10 06:16 12 18:54 15 07:18 17 18:37 20 04:05 22 10:49 24 14:24 26 15:24 28 15:16 30 15:57	Aug. -3101j 1 19:18 4 02:27 6 13:06 9 01:36 11 13:56 14 00:46 16 09:37 18 16:19 20 20:50 22 23:25 25 00:50 27 02:20 29 05:29 31 11:34	Sept. -3101j 2 21:08 5 09:14 7 21:41 10 08:26 12 16:32 14 22:13 17 02:12 19 05:14 21 07:57 23 10:57 25 15:00 27 21:04 30 05:55	Oct. -3101j 1 14:16 4 02:21 6 11:24 8 16:24 10 18:11 12 18:55 14 19:34 16 22:34 19 04:07 21 11:55 23 21:34 26 08:53 28 21:33	Nov. -3101j 1 14:16 4 02:21 6 11:24 8 16:24 10 18:11 12 18:55 14 19:34 16 22:34 19 04:07 21 11:55 23 21:34 26 08:53 28 21:33	Dec. -3101j 1 10:11 3 20:33 6 02:54 8 05:12 10 04:59 12 04:26 14 05:38 16 09:54 18 17:26 21 03:33 23 15:17 26 03:57 28 16:39
---	---	---	---	---	---	--	--	--	--	---	--	--	--	--	---	--	---	---	---	---	---	--	--	---	---	---	---	--	---	---	---	---	---	---	---	---	---