

with clock times in UT/GMT. The year -700 astronomical counting style corresponds to year 701 B.C.E historical counting style.

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with clock times in UT/GMT. The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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15 23:59	25 14:46	2 07:54	16 09:54	25 23:00	28 04:54	15 16:46	27 05:35	1 22:21	28 05:41	30 08:47	
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with clock times in UT/GMT. The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

Sept. -688j	March -687j	Sept. -687j	Apr. -686j	Oct. -686j	Apr. -685j	Nov. -685j	May -684j	Nov. -684j	June -683j	Dec. -683j	June -682j
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18 02:12	30 13:45	17 12:16	17 12:16		6 04:43	20 23:52	29 11:17	6 14:55	19 07:37	30 18:27	5 22:39
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22 06:47	Aug. -687j	21 15:44	21 15:44		10 14:11	24 02:42	Oct. -684j	10 22:40	23 07:37	May -682j	10 03:45
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with clock times in UT/GMT. The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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with clock times in UT/GMT. The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

May -675j	Nov. -675j	May -674j	Dec. -674j	June -673j	Dec. -673j	July -672j	Jan. -671j	July -671j	Feb. -670j	Aug. -670j	Feb. -669j
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23 02:24	Apr. -674j	10 21:32	24 08:30	Nov. -673j	11 02:56	22 13:36	June -671j	8 04:13	22 04:03	Jan. -669j	11 17:54
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Oct. -675j	10 17:49	21 05:59	May -673j	10 02:01	21 16:26	Dec. -672j	10 12:36	18 20:41	21 01:52	9 21:50	22 08:46
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with clock times in UT/GMT. The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

Sept. -669j	March -668j	Sept. -668j	Apr. -667j	Oct. -667j	Apr. -666j	Nov. -666j	May -665j	Nov. -665j	June -664j	Dec. -664j	June -663j
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24 16:08	Apr. -668j	12 07:50	24 22:09	Nov. -667j	14 12:58	24 02:58	June -665j	13 19:08	24 09:35	Jan. -663j	11 13:48
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Nov. -669j	11 18:02	23 03:58	June -667j	10 23:47	26 15:14	Jan. -665j	12 07:50	21 21:31	Aug. -664j	9 19:47	22 07:55
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25 14:10	Aug. -668j	16 01:41	4 16:03	9 20:30	24 11:53	1 17:18	9 02:19	24 22:34	28 00:08	5 08:08	15 19:16
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Feb. -668j	10 02:43	26 20:18	14 01:41	20 10:24	2 00:02	12 16:16	21 11:14	2 06:18	11 16:02	29 10:35	2 20:06
3 03:15											

with clock times in UT/GMT. The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

Jan. -662j 1 11:51 3 20:02 6 00:05 8 00:56 10 00:25 12 00:33 14 02:57 16 08:35 18 17:26 21 04:44 23 17:27 26 06:28 28 18:27 31 03:51	July -662j 14 00:09 16 06:28 18 09:14 20 09:50 22 10:00 24 11:25 26 15:16 28 22:06 31 07:40	Jan. -661j II 23 13:11 III 25 18:22 IV 27 20:25 V 29 20:51 VI 31 21:27	Aug. -661j I 2 16:28 II 5 00:03 III 7 04:11 IV 9 05:55 V 11 06:54 VI 13 08:41 VII 15 12:21 VIII 17 18:20 IX 20 02:32 X 22 12:42 XI 25 00:32 XII 27 13:12 I 30 00:57	Feb. -660j I 12 06:04 II 14 12:35 III 16 15:54 IV 18 17:29 V 20 19:00 VI 22 21:45 VII 25 02:17 VIII 27 08:41 IX 29 16:56	Aug. -660j I 23 17:27 II 25 22:55 III 28 02:09 IV 30 04:32	March -659j I 2 22:30 II 5 06:17 III 7 11:19 IV 9 14:47 V 11 17:46 VI 13 20:48 VII 16 00:12 VIII 18 04:27 IX 20 10:27 X 22 19:12 XI 25 06:48 XII 27 19:43 I 30 07:14	Sept. -659j I 12 10:24 II 14 17:43 III 16 23:08 IV 19 03:19 V 21 06:36 VI 23 09:13 VII 25 11:49 VIII 27 15:38 IX 29 22:05	March -658j I 25 00:02 II 27 07:23 III 29 12:55 IV 31 16:51	Oct. -658j I 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with clock times in UT/GMT. The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

May -656j	Nov. -656j	May -655j	Dec. -655j	June -654j	Dec. -654j	July -653j	Jan. -652j	July -652j	Feb. -651j	Aug. -651j	Feb. -650j
2 12:33	12 03:02	24 17:18	1 20:32	13 10:48	24 01:12	3 03:06	12 17:06	2 05:17	2 18:56	15 06:50	24 20:10
4 23:01	14 13:06	27 02:26	4 07:48	15 20:43	26 09:30	5 13:22	15 02:12	26 13:17	5 02:06	17 13:18	27 02:12
7 06:57	16 20:12	29 08:00	6 15:43	18 02:35	28 13:38	7 19:55	17 07:44	28 18:09	7 06:22	19 17:33	
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13 14:09	22 23:33	June -655j	12 18:40	24 04:10	Jan. -653j	14 01:02	23 12:58	Aug. -652j	13 14:01	26 02:44	3 10:07
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17 15:39	27 02:04	4 08:45	16 21:13	28 10:10	3 15:13	18 06:51	27 20:23	4 00:51	17 23:32	30 11:27	7 15:50
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27 02:03	4 12:09	14 21:47	28 11:15	3 17:42	16 06:20	27 22:48	4 03:58	14 17:31	30 09:41	5 18:57	18 05:42
29 02:59	6 13:15	16 22:58	30 13:41	5 20:31	18 09:45		6 08:34	16 21:26		7 20:39	20 06:02
	8 13:52	19 00:32		7 23:18	20 12:46		8 11:21	18 23:23	July -651j	9 20:50	22 05:33
Oct. -656j	10 15:37	21 03:40	May -654j	10 02:37	22 15:40	Dec. -653j	10 12:58	21 00:23	2 10:12	11 21:09	24 06:11
1 06:02	12 19:38	23 08:55	2 17:30	12 06:39	24 19:02	2 03:48	12 14:35	23 01:58	4 12:04	13 23:28	26 09:52
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5 20:36	17 11:29	28 01:27	7 05:59	16 18:47	29 07:24	6 12:02	17 00:00	27 12:53	9 01:17	18 15:09	31

with clock times in UT/GMT. The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

Sept. -650j	March -649j	Sept. -649j	Apr. -648j	Oct. -648j	Apr. -647j	Nov. -647j	May -646j	Nov. -646j	June -645j	Dec. -645j	June -644j
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8 14:44	21 04:46	30 17:59	9 02:08	19 14:52		8 10:35	20 22:08	30 09:05	9 16:15	20 03:07	30 13:05
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23 20:30	Apr. -649j	11 04:11	24 02:36	Nov. -648j	11 10:22	23 09:22	June -646j	10 18:26	24 18:13	Jan. -644j	11 04:25
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21 02:26		7 08:29	21 09:50	Jan. -647j	7 14:53	22 15:15		8 20:03	21 20:09		7 01:38
23 10:48	Aug. -649j	9 20:32	23 16:58	2 23:03	9 22:21	24 22:15	Oct. -646j	11 07:29	24 03:41	May -644j	9 13:00
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31 15:56	9 01:25	18 11:38	31 20:56	10 13:14	18 16:57		8 14:33	20 03:22		9 02:02	18 15:06
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Feb. -649j	13 00:44	22 12:52	Sept. -648j	13 09:53	22 21:48	2 07:36	12 19:52	24 09:27	1 18:49	13 07:27	22 18:50
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4 22:47	17 11:45	27 02:35	5 07:09	17 21:36	27 11:11	6 17:28	17 06:46	28 2			

with clock times in UT/GMT. The year -643 astronomical counting style corresponds to year 644 B.C.E historical counting style.

Jan. -643j 3 05:47 5 15:09 7 21:12 10 00:40 12 02:50 14 04:55 16 07:49 18 12:07 20 18:15 23 02:35 25 13:14 28 01:39 30 14:09	July -643j 15 18:08 18 02:40 20 08:25 22 12:06 24 14:45 26 17:15 28 20:22 31 00:42 Aug. -643j 2 06:53 4 15:28 7 02:30 9 14:59 12 02:49 14 11:57 16 17:34 18 20:16 20 21:31 22 22:56 25 01:47 27 06:43 29 13:51 31 23:02	Jan. -642j 25 07:53 27 15:50 29 21:09 Feb. -642j 1 00:44 3 03:33 5 06:21 7 09:42 9 14:09 11 20:28 14 05:21 16 16:49 19 05:27 21 16:49 24 00:59 26 05:41 28 07:59 March -642j 2 09:31 4 11:43 6 15:25 8 20:53 11 04:07 13 13:19 16 00:37 18 13:18 21 01:24 23 10:33 25 15:40 27 17:25 29 17:38 31 18:18 Apr. -642j 2 20:58 5 02:19 7 10:09 9 19:59 12 07:30 14 20:13 17 08:49 19 19:10 22 01:33 24 03:56 26 03:46 28 03:11 30 04:13 May -642j 2 08:15 4 15:38 7 01:44 9 13:36 12 02:22 14 15:03 17 02:07 19 09:56 21 13:48 23 14:29 25 13:44 27 13:38 29 16:03 31 22:04 June -642j 3 07:35 5 19:30 8 08:20 10 20:49 13 07:52 15 16:26 17 21:47 20 00:03 22 00:18 24 00:14 26 01:41 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17:21 20 22:36 23 02:27 25 05:09 27 07:10 March -641j 1 09:29 3 13:39 5 21:02 8 07:56 10 20:48 13 08:51 15 18:06 18 00:21 20 04:34 22 07:49 24 10:50 26 13:57 28 17:32 30 22:27 Apr. -641j 2 05:47 5 04:11 7 04:49 9 17:16 12 02:59 14 09:08 16 12:27 18 14:25 20 16:25 22 19:20 24 23:35 27 05:29 29 13:29 May -641j 1 23:56 4 12:27 7 01:15 9 11:54 11 18:49 13 22:08 15 23:12 17 23:46 20 01:21 22 04:59 24 11:09 26 19:49 29 06:44 31 19:19 June -641j 3 08:18 5 19:48 8 04:01 10 08:23 12 09:38 14 09:21 16 09:26 18 11:32 20 16:48 23 01:26 25 12:45 28 01:30 30 14:28 July -641j 3 02:18 5 11:40 7 17:37 9 20:07 11 20:11 13 19:33 15 20:11 17 23:52 20 07:31 22 18:39 25 07:31 27 20:22 30 07:59 Aug. -641j 1 17:41 4 00:50 6 05:02 8 06:32 10 06:26 12 06:33 14 08:53 16 15:03 19 01:17 21 14:01	Aug. -641j 24 02:48 26 14:01 28 23:11 31 06:24 Sept. -641j 2 11:38 4 14:46 6 16:10 8 17:01 10 19:04 13 00:08 15 09:11 17 21:23 20 10:11 22 21:17 25 05:47 27 12:07 29 16:58 Oct. -641j 1 20:42 3 23:30 6 01:50 8 04:46 10 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21:50 31 10:01 Feb. -639j 2 19:24 5 00:39 7 02:12 9 01:49 11 01:42 13 03:44 15 08:57 17 17:13 20 03:43 22 15:38 25 04:19 27 16:46 March -639j 2 03:14 4 10:04 6 12:53 8 12:49 10 11:56 12 12:24 14 15:55 16 23:08 19 09:29 21 21:38	March -639j 24 10:21 26 22:38 29 09:24 31 17:22 Apr. -639j 2 21:50 4 23:10 6 22:51 8 22:47 11 00:56 13 06:35 15 15:57 18 03:54 20 16:39 23 04:39 25 15:00 27 23:05 30 04:31 May -639j 2 07:25 4 08:33 6 09:12 8 11:02 10 15:34 12 23:41 15 10:59 17 23:39 20 11:34 22 21:22 25 04:44 27 09:58 29 13:32 31 15:59 June -639j 2 18:02 4 20:38 7 01:02 9 08:21 11 18:52 14 07:23 16 19:30 19 05:09 21 11:45 23 15:58 25 18:56 27 21:39 30 00:43 July -639j 2 04:32 4 09:41 6 16:58 9 03:02 11 15:22 14 03:53 16 14:02 18 20:32 20 23:51 23 01:33 25 03:15 27 06:06 29 10:34 31 16:41 Aug. -639j 3 00:38 5 10:45 7 22:58 10 11:54 12 23:02 15 06:22 17 09:43 19 10:31 21 10:44 23 12:11 25 15:58 27 22:20 30 06:58 Sept. -639j 1 17:34 4 05:50 6 18:56 9 06:57 11 15:44 13 20:17 15 21:21 17 20:46 19 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with clock times in UT/GMT. The year -637 astronomical counting style corresponds to year 638 B.C.E historical counting style.

May -637j	Nov. -637j	May -636j	Dec. -636j	June -635j	Dec. -635j	July -634j	Jan. -633j	July -633j	Feb. -632j	Aug. -632j	Feb. -631j
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26 03:26	Feb. -636j	11 07:19	22 11:30	2 13:14	9 20:53	Oct. -634j	Apr. -633j	11 23:07	12 08:12	11 19:00	20 06:56
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18 18:27	30 08:39	4 21:20	15 11:30	29 14:46	May -634j	1 11:16	28 09:16	3 02:05	28 17:20	30 15:52	18 10:21
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Oct. -637j	10 19:41	21 08:08	30 06:08	10 07:03	16 11:17	16 11:17	8 18:26	17 18:01	20 03:20	20 05:48	
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with clock times in UT/GMT. The year -631 astronomical counting style corresponds to year 632 B.C.E historical counting style.

Sept. -631j	March -630j	Sept. -630j	Apr. -629j	Oct. -629j	Apr. -628j	Nov. -628j	May -627j	Nov. -627j	June -626j	Dec. -626j	June -625j
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13 00:33	25 12:36	Oct. -630j	12 02:26	22 13:57		12 12:03	24 22:52	Dec. -627j	11 12:29	22 00:49	July -625j
15 02:59	27 13:40	2 19:52	14 07:15	24 17:13	May -628j	14 13:38	27 00:31	2 06:22	13 17:50	24 06:15	1 06:02
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Oct. -631j	12 06:07	22 20:48	May -629j	9 01:25	20 16:17	Dec. -628j	11 20:41	22 11:23	July -626j	8 14:55	20 21:06
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with clock times in UT/GMT. The year -624 astronomical counting style corresponds to year 625 B.C.E historical counting style.

Jan. -624j	July -624j	Jan. -623j	Aug. -623j	Feb. -622j	Aug. -622j	March -621j	Sept. -621j	March -620j	Oct. -620j	Apr. -619j	Oct. -619j
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31 03:28	6 02:54	17 15:44	28 04:25	4 21:53	14 11:55	29 08:54	3 03:39	14 16:31	28 21:32	5 18:52	18 09:27
	8 10:43	19 21:42	30 09:10	7 08:26	16 21:38		5 14:10	17 01:43		8 03:32	20 17:59
June -624j	10 14:30	22 00:07		9 15:31	19 03:32	31 13:32	7 21:14	19 08:08	25 23:33	10 10:11	23 00:14
2 05:16	12 15:09	24 00:19	Jan. -622j	11 19:01	21 06:08	Aug. -621j	10 01:26	21 12:38	28 05:29	12 14:56	25 04:19
4 04:50	14 14:30	26 00:05	1 10:45	23 20:03	23 07:04	2 15:53	12 04:11	23 16:09	3 11:39	14 17:59	27 06:37
6 04:14	16 14:32	3 10:43	3 10:43	25 08:10	25 08:10	4 17:36	14 06:45	25 19:13	5 05:56	16 19:54	29 08:00
8 05:26	18 17:01	5 10:59	5 10:59	27 15:52	27 10:53	6 20:00	16 09:50	27 22:09	7 11:02	18 21:44	31 09:42
10 09:53	20 22:56	7 13:16	7 13:16	29 01:40	29 01:40	8 23:45	18 13:44	30 01:31	9 11:40	21 00:53	
12											

with clock times in UT/GMT. The year -618 astronomical counting style corresponds to year 619 B.C.E historical counting style.

May -618j	Nov. -618j	May -617j	Dec. -617j	June -616j	Dec. -616j	July -615j	Jan. -614j	July -614j	Feb. -613j	Aug. -613j	Feb. -612j
2 04:44	11 16:38	24 05:22	1 08:56	11 21:41	22 11:20	1 14:54	11 04:37	23 18:30	2 09:50	15 00:13	24 15:05
4 13:58	14 03:03	26 16:59	3 18:48	14 08:43	24 23:09	4 01:01	13 15:49	26 06:27	4 22:01	17 12:17	27 03:09
7 01:48	16 15:46	29 05:53	6 07:19	16 21:22	27 11:51	6 13:20	16 04:38	28 19:26	7 10:43	20 00:59	29 15:58
9 14:24	19 04:08	31 17:28	8 19:56	19 09:30	29 23:51	9 02:12	18 17:31	31 08:07	9 23:01	22 13:10	
12 01:15	21 13:50		11 06:39	21 20:02		11 14:17	21 05:15		12 09:48	24 23:04	March -612j
14 08:51	23 20:19	June -617j	13 15:02	24 04:37	Jan. -615j	14 00:35	23 14:55	Aug. -614j	14 17:44	27 05:10	3 03:46
16 13:19	26 00:29	3 02:19	15 21:31	26 11:11	1 10:18	16 08:19	25 21:48	2 19:24	16 21:59	29 07:20	5 12:26
18 15:53	28 03:36	5 08:38	18 02:28	28 15:36	3 18:46	18 13:05	28 01:36	5 04:09	18 22:58	31 06:55	7 16:55
20 18:00	30 06:37	7 13:14	20 06:04	30 18:01	6 00:50	20 15:10	30 02:50	7 09:35	20 22:10		9 17:54
22 20:45		9 16:50	22 08:28		8 04:23	22 15:35		9 11:46	22 21:43	Sept. -613j	11 17:15
25 00:37	Dec. -618j	11 19:46	24 10:26	July -616j	10 05:55	24 15:56	Feb. -614j	11 11:40	24 23:48	2 06:01	13 17:11
27 05:52	2 09:56	13 22:24	26 13:19	2 19:12	12 06:37	26 17:57	1 02:44	13 11:05	27 05:48	4 06:51	15 19:32
29 12:51	4 13:47	16 01:30	28 18:41	4 20:37	14 08:09	28 23:09	3 03:04	15 12:01		6 11:04	18 01:14
31 22:04	6 18:43	18 06:18	31 03:32	6 23:55	16 12:09	31 08:08	5 05:43	17 16:19	March -613j	8 19:07	20 10:04
	9 01:42	20 14:02		9 06:27	18 19:42		7 12:08	20 00:46	1 15:43	11 06:01	22 21:07
June -618j	11 11:35	23 01:01	Jan. -616j	11 16:31	21 06:36	Aug. -615j	9 22:27	22 12:31	2 04:01	13 18:20	25 09:25
3 09:38	13 23:59	25 13:48	2 15:23	14 04:47	23 19:12	2 20:03	12 11:11	25 01:34	6 16:48	16 06:59	27 22:11
5 22:25	16 12:47	28 01:43	5 04:04	16 17:01	26 07:14	5 08:54	15 00:03	27 14:02	9 04:53	18 19:11	30 10:16
8 09:58	18 23:11	30 10:43	7 15:05	19 03:22	28 17:15	7 20:42	17 11:21	30 00:59	11 15:36	21 05:50	
10 18:10	21 05:48		9 23:11	21 11:14	31 00:49	10 06:23	19 20:30		14 00:16	23 13:31	Apr. -612j
12 22:29	23 09:08	July -617j	12 04:40	23 16:55	Feb. -615j	12 13:45	22 03:29	Sept. -614j	16 06:03	25 17:25	1 20:02
15 00:06	25 10:48	2 16:28	14 08:26	25 20:58	2 06:16	14 18:58	24 08:21	1 09:59	18 08:41	27 18:03	4 02:05
17 00:51	27 12:28	4 19:59	16 11:24	27 23:55	4 10:06	16 22:22	26 11:15	3 16:37	20 08:57	29 17:09	6 04:22
19 02:28	29 15:15	6 22:33	18 14:13	30 02:22	6 12:50	19 00:23	28 12:39	5 20:31	22 08:32		8 04:09
21 06:00	31 19:36	9 01:08	20 17:24		8 15:07	21 01:54		7 21:56	24 09:36	Oct. -613j	10 03:27
23 11:44		11 04:18	22 21:35	Aug. -616j	10 17:49	23 04:10	March -614j	9 21:59	26 14:04	1 16:54	12 04:19
25 19:30	Jan. -617j	13 08:27	25 03:39	1 05:06	12 22:04	25 08:39	2 13:40	11 22:30	28 22:41	3 19:25	14 08:22
28 05:13	3 01:35	15 14:11	27 12:20	3 09:09	15 04:56	27 16:30	4 15:56	14 01:31	31 10:28	6 01:55	16 16:10
30 16:50	5 09:26	17 22:15	29 23:40	5 15:35	17 14:56	30 03:42	6 21:09	16 08:30		8 12:09	19 02:59
	7 19:30	20 09:00		8 00:59	20 12:48		9 06:16	18 19:26	Apr. -613j	11 00:29	21 15:27
July -618j	10 07:43	22 21:41	Feb. -616j	13 01:14	13 01:14	Sept. -615j	11 18:29	21 08:21	2 23:15	13 13:08	24 04:09
3 05:41	12 20:47	25 10:05	3 23:59	15 11:58	15 11:58	1 16:31	14 07:22	23 20:45	5 11:09	16 06:59	26 16:01
5 17:59	15 08:12	27 19:52	6 08:42	17 19:41	17 19:41	4 04:22	16 18:32	26 07:12	7 21:22	18 11:24	29 02:01
8 03:20	17 15:55	30 01:57	8 13:59	20 00:27	20 00:27	6 13:36	19 03:01	28 15:32	10 05:44	20 19:41	
10 08:32	19 19:38		10 16:40	22 03:16	22 03:16	8 20:01	21 09:10	30 22:04	12 12:01	23 01:08	May -612j
12 10:09	21 20:38	Aug. -617j	12 18:09	24 05:23	24 05:23	11 00:27	23 13:45		14 15:57	25 03:37	1 09:09
14 09:59	23 20:47	1 04:55	14 19:50	26 07:54	26 07:54	13 03:51	25 17:16	Oct. -614j	16 17:47	27 04:02	3 13:03
16 10:05	25 21:52	3 06:13	16 22:48	28 11:32	28 11:32	15 06:50	27 20:00	3 02:51	18 18:30	29 04:06	5 14:14
18 12:12	28 01:08	5 07:25	20 17:24	30 16:44	30 16:44	17 09:47	29 22:24	5 05:53	20 19:50	31 05:47	7 14:08
20 17:14	30 07:04	7 09:45	22 10:46			19 13:14		7 07:31	22 23:35		9 14:36
23 01:09		9 14:00	24 20:04	Sept. -616j	12 06:26	21 18:04	Apr. -614j	9 08:53	25 06:59	Nov. -613j	11 22:22
25 11:22	Feb. -617j	11 20:30	26 20:04	1 23:52	14 13:38	23 01:28	1 01:26	11 11:43	27 17:54	2 10:45	13 23:42
27 23:15	1 15:33	14 05:18	28 19:59	4 09:15	16 23:18	26 11:59	3 06:31	13 17:42	30 06:28	4 19:37	16 09:38
30 12:08	4 02:14	16 16:20		6 20:47	19 11:14	29 00:40	5 14:52	16 03:31		7 07:25	18 21:55
	6 14:35	19 04:57	March -616j	9 09:23	21 23:53		8 02:26	18 16:01	May -613j	9 20:06	21 10:35
Aug. -618j	9 03:41	21 17:43	2 08:13	11 20:56	14 05:24	Oct. -615j	10 15:19	21 04:34	2 18:23	12 07:44	23 22:06
2 00:44	11 15:47	24 04:33	4 18:04	14 05:24	16 10:07	1 12:58	13 02:45	23 14:56	5 04:15	14 17:29	26 07:36
4 11:12	14 00:55	26 11:52	16 06:05	18 11:57	20 12:33	3 22:27	15 11:05	25 22:33	7 11:50	17 01:08	28 14:46
6 17:55	16 06:05	28 15:25	9 02:54	22 13:45	24 16:55	6 04:21	17 16:25	28 04:02	9 17:28	19 06:45	30 19:33
8 20:41	18 07:44	30 16:15	11 03:21	26 22:36	29 06:37	8 07:36	19 19:53	30 08:12	11 21:31	21 10:27	
10 20:44	20 07:26		13 03:26	30 06:37		10 09:45	21 22:41		14 00:18	23 12:36	June -612j
12 20:01	22 07:06	Sept. -617j	15 04:55	22 13:45	Apr. -615j	12 12:10	23 01:33	Nov. -614j	16 02:25	25 14:08	1 22:13
14 20:36	24 08:33	1 16:06	17 09:08	26 22:36	2 00:23	14 15:34	26 04:33	1 11:34	18 04:53	27 16:23	3 23:33
16 10:05	26 13:06	3 16:47	19 16:27	29 06:37	4 02:36	16 20:07	28 09:04	3 14:27	20 08:59	29 20:49	6 00:45
18 12:12	28 21:09	5 19:50	22 02:23		6 06:43	18 22:50	30 14:53	5 17:18	22 15:56		8 03:17
20 17:14	30 07:04	8 02:02	24 14:05	Oct. -616j	10 20:52	20 05:52	May -614j	10 03:09	25 02:04	Dec. -613j	10 08:35
23 01:09		11 20:30	26 20:04	1 23:52	14 13:38	23 01:28	1 01:26	11 11:43	27 17:54	2 10:45	13 23:42
25 11:22	Feb. -617j	14 05:18	28 19:59	4 09:15	16 23:18	26 11:59	3 06:31	13 17:42	30 06:28	4 19:37	16 09:38
27 23:15	1 15:33	16 16:20		6 20:47	19 11:14	29 00:40	5 14:52	16 03:31		7 07:25	18 21:55
30 12:08	4 02:14	19 04:57	March -616j	9 09:23	21 23:53		8 02:26	18 16:01	May -613j	9 20:06	21 10:35
	6 14:35	21 17:43	2 08:13	11 20:56	14 05:24	Oct. -615j	10 15:19	21 04:34	2 18:23	12 07:44	23 22:06
Aug. -618j	9 03:41	24 04:33	4 18:04	14 05:24	16 10:07	1 12:58	13 02:45	23 14:56	5 04:15	14 17:29	26 07:36
2 00:44	11 15:47	26 11:52	16 06:05	18 11:57	20 12:33	3 22:27	15 11:05	25 22:33	7 11:50	17 01:08	28 14:46
4 11:12	14 00:55	28 15:25	9 02:54	22 13:45	24 16:55	6 04:21	17 16:25	28 04:02	9 17:28	19 06:45	30 19:33
6 17:55	16 06:05	30 16:15	11 03:21	26 22:36	29 06:37	8 07:36	19 19:53	30 08:12	11 21:31	21 10:27	
8 20:41	18 07:44		13 03:26	30 06:37		10 09:45	21 22:41		14 00:18	23 12:36	June -612j
10 20:44	20 07:26	Sept. -617j	15 04:55	22 13:45	Apr. -615j	12 12:10	23 01:33	Nov. -614j	16 02:25	25 14:08	1 22:13
12 20:01	22 07:06	1 16:06	17 09:08	26 22:36	2 00:23	14 15:34	26 04:33	1 11:34	18 04:53	27 16:23	3 23:33
14 20:36	24 08:33	3 16:47	19 16:27	29 06:37	4 02:36	16 20:07	28 09:04	3 14:27	20 08:59	29 20:49	6 00:45
16 10:05	26 13:06	5 19:50	22 02:23		6 06:43	18 22:50	30 14:53	5 17:18	22 15:56		8 03:17
18 12:12	28 21:09	8 02:02	24 14:05	Oct. -616j	10 20:52	20 05:52	May -614j	10 03:09	25 02:04	Dec. -613j	10 08:35
20 17:14	30 07:04	11 20:30	26 20:04	1 23:52	14 13:38	23 01:28	1 01:26	11 11:43	27 17:54	2 10:45	13 23:42
23 01:09		14 05:18	28 19:59	4 09:15	16 23:18	26 11:59	3 06:31	13 17:42	30 06:28	4 19:37	16 09:38
25 11:22	Feb. -617j	16 16:20		6 20:47	19 11:14	29 00:40	5 14:52	16 03:31		7 07:25	18 21:55
27 23:15	1 15:33	19 04:57	March -616j	9 09:23	21 23:53		8 02:26	18 16:01	May -613j	9 20:06	21 10:35
30 12:08	4 02:14	21 17:43	2 08:13	11 20:56	14 05:24	Oct. -615j	10 15:19	21 04:34	2 18:23	12 07:44	23 22:06
	6 14:35	24 04:33	4 18:04	14 05:24	16 10:07	1 12:58	13 02:45	23 14:56	5 04:15	14 17:29	26 07:36
Aug. -618j	9 03:41	26 11:52	16 06:05	18 11:57	20 12:33	3 22:27	15 11:05	25 22:33	7 11:50	17 01:08	28 14:46
2 00:44	11 15:47	28 15:25	9 02:54	22 13:45	24 16:55	6 04:21	17 16:25	28 04:02	9 17:28	19 06:45	30 19:33
4 11:12	14 00:55	30 16:15	11 03:21	26 22:36	29 06:37	8 07:36	19 19:53	30 08:12	11 21:31	21 10:27	
6 17:55	16 06:05		13 03:26	30 06:37		10 09:45	21 22:41		14 00:18	23 12:36	June -

with clock times in UT/GMT. The year -612 astronomical counting style corresponds to year 613 B.C.E historical counting style.

Sept. -612j	March -611j	Sept. -611j	Apr. -610j	Oct. -610j	Apr. -609j	Nov. -609j	May -608j	Nov. -608j	June -607j	Dec. -607j	June -606j
♂ 2 17:46	♂ 15 07:56	♂ 24 21:07	♂ 1 17:35	♂ 12 05:22	♂ 23 17:58	♂ 3 05:30	♂ 14 18:18	♂ 24 07:42	♂ 1 03:42	♂ 11 15:56	♂ 23 04:59
♂ 5 04:39	♂ 17 19:22	♂ 17 09:16	♂ 4 01:03	♂ 14 13:30	♂ 26 02:45	♂ 5 15:39	♂ 17 05:43	♂ 26 20:12	♂ 3 11:03	♂ 14 00:53	♂ 25 14:54
♂ 7 17:19	♂ 20 08:16	♂ 29 22:03	♂ 6 11:21	♂ 17 00:32	♂ 28 14:23	♂ 8 04:17	♂ 19 18:43	♂ 29 08:59	♂ 5 21:59	♂ 16 12:34	♂ 28 02:57
♂ 10 06:10	♂ 22 20:25		♂ 8 23:37	♂ 19 13:03		♂ 10 16:50	♂ 22 06:43		♂ 8 10:37	♂ 19 01:14	♂ 30 15:50
♂ 12 16:43	♂ 25 05:29	Oct. -611j	♂ 11 11:48	♂ 22 00:42	May -609j	♂ 13 03:07	♂ 24 16:22	Dec. -608j	♂ 10 23:02	♂ 21 13:34	
♂ 14 23:12	♂ 27 10:39	♂ 2 08:55	♂ 13 21:45	♂ 24 09:39	♂ 1 03:01	♂ 15 10:35	♂ 26 23:39	♂ 1 20:15	♂ 13 10:11	♂ 24 00:45	July -606j
♂ 17 01:47	♂ 29 12:42	♂ 4 16:19	♂ 16 04:27	♂ 26 15:30	♂ 3 14:14	♂ 17 15:50	♂ 29 05:07	♂ 4 05:31	♂ 15 19:37	♂ 26 10:01	♂ 3 04:21
♂ 19 02:02	♂ 31 13:20	♂ 6 20:19	♂ 18 08:16	♂ 28 19:01	♂ 5 22:33	♂ 19 19:47	♂ 31 09:08	♂ 6 12:57	♂ 18 02:54	♂ 28 16:33	♂ 5 15:20
♂ 21 01:59		♂ 8 22:11	♂ 20 10:22	♂ 30 21:25	♂ 8 04:01	♂ 21 23:03		♂ 8 18:35	♂ 20 07:33	♂ 30 19:59	♂ 7 23:34
♂ 23 03:29	Apr. -611j	♂ 10 23:26	♂ 22 12:05		♂ 10 07:34	♂ 24 01:59	June -608j	♂ 10 22:14	♂ 22 09:40		♂ 10 04:22
♂ 25 07:37	♂ 2 14:14	♂ 13 01:25	♂ 24 14:35	Nov. -610j	♂ 12 10:18	♂ 26 04:57	♂ 2 11:55	♂ 13 00:07	♂ 24 10:11	Jan. -606j	♂ 12 06:04
♂ 27 14:35	♂ 4 16:46	♂ 15 05:02	♂ 26 18:37	♂ 1 23:53	♂ 14 13:04	♂ 28 08:50	♂ 4 13:54	♂ 15 01:12	♂ 26 10:47	♂ 1 20:55	♂ 14 05:57
♂ 29 23:58	♂ 6 21:37	♂ 17 10:42	♂ 29 00:37	♂ 4 03:10	♂ 16 16:23	♂ 30 14:57	♂ 6 16:04	♂ 17 03:07	♂ 28 13:23	♂ 3 20:51	♂ 16 05:49
	♂ 9 04:57	♂ 19 18:36		♂ 6 07:43	♂ 18 20:42		♂ 8 19:57	♂ 19 07:43	♂ 30 19:28	♂ 5 21:42	♂ 18 07:33
	♂ 11 14:38	♂ 22 04:45	May -610j	♂ 8 13:55	♂ 21 02:44	Dec. -609j	♂ 11 03:01	♂ 21 16:09		♂ 8 01:17	♂ 20 12:37
Oct. -612j	♂ 14 02:20	♂ 24 16:49	♂ 1 08:48	♂ 10 22:11	♂ 23 11:14	♂ 3 00:16	♂ 13 13:38	♂ 24 03:53	July -607j	♂ 10 08:40	♂ 22 21:28
♂ 4 23:58	♂ 16 15:14	♂ 27 05:44	♂ 3 19:10	♂ 13 08:50	♂ 25 22:25	♂ 5 12:27	♂ 16 02:22	♂ 26 16:41	♂ 3 05:20	♂ 12 19:31	♂ 25 09:14
♂ 7 13:00	♂ 19 03:46	♂ 29 17:32	♂ 6 07:16	♂ 15 21:15	♂ 28 11:05	♂ 8 01:18	♂ 18 14:32	♂ 29 04:02	♂ 5 17:36	♂ 15 08:05	♂ 27 22:07
♂ 10 00:32	♂ 21 13:57		♂ 8 19:46	♂ 18 09:33	♂ 30 22:49	♂ 10 11:59	♂ 21 00:05	♂ 31 12:49	♂ 8 05:59	♂ 17 20:23	♂ 29 10:22
♂ 12 08:38	♂ 23 20:25	Nov. -611j	♂ 11 06:35	♂ 20 19:24		♂ 12 19:12	♂ 23 06:40		♂ 10 16:52	♂ 20 07:04	
♂ 14 12:36	♂ 25 23:11	♂ 1 02:16	♂ 13 14:06	♂ 22 03:28	June -609j	♂ 14 23:24	♂ 25 11:08	Jan. -607j	♂ 13 01:37	♂ 22 15:39	Aug. -606j
♂ 16 13:18	♂ 27 23:32	♂ 3 07:07	♂ 15 17:59	♂ 25 04:11	♂ 2 07:25	♂ 17 02:01	♂ 27 14:31	♂ 2 19:15	♂ 15 08:19	♂ 24 22:04	♂ 1 20:55
♂ 18 12:34	♂ 29 23:15	♂ 5 08:45	♂ 17 19:13	♂ 27 05:05	♂ 4 12:25	♂ 19 04:27	♂ 29 17:31	♂ 5 00:02	♂ 17 13:09	♂ 27 02:23	♂ 4 05:11
♂ 20 12:28		♂ 7 08:43	♂ 19 19:31	♂ 29 06:01	♂ 6 14:51	♂ 21 07:31		♂ 7 03:44	♂ 19 16:18	♂ 29 04:56	♂ 6 10:56
♂ 22 14:46	May -611j	♂ 9 08:55	♂ 21 20:40		♂ 8 16:23	♂ 23 11:32	July -608j	♂ 9 06:39	♂ 21 18:17	♂ 31 06:28	♂ 8 14:13
♂ 24 20:31	♂ 2 00:09	♂ 11 11:02	♂ 24 00:03	Dec. -610j	♂ 10 18:28	♂ 25 16:40	♂ 1 20:28	♂ 11 09:14	♂ 23 20:06		♂ 10 15:39
♂ 27 05:40	♂ 4 03:40	♂ 13 16:09	♂ 26 06:17	♂ 1 08:32	♂ 12 21:59	♂ 27 23:29	♂ 3 23:52	♂ 13 12:23	♂ 25 23:08	Feb. -606j	♂ 12 16:21
♂ 29 17:18	♂ 6 10:31	♂ 16 00:27	♂ 28 15:08	♂ 3 13:23	♂ 15 03:10	♂ 30 08:43	♂ 6 04:34	♂ 15 17:22	♂ 28 04:46	♂ 2 08:11	♂ 14 17:54
	♂ 8 20:28	♂ 18 11:13	♂ 31 01:59	♂ 5 20:30	♂ 17 10:05		♂ 8 11:41	♂ 18 01:16	♂ 30 13:42	♂ 4 11:33	♂ 16 21:52
	♂ 11 08:31	♂ 20 23:32		♂ 8 05:34	♂ 19 18:58	Jan. -608j	♂ 10 21:51	♂ 20 12:15		♂ 6 17:52	♂ 19 05:25
Nov. -612j	♂ 13 21:28	♂ 23 12:24	June -610j	♂ 10 16:23	♂ 22 06:02	♂ 1 20:33	♂ 13 10:20	♂ 23 00:53	Aug. -607j	♂ 9 03:35	♂ 22 16:27
♂ 3 19:02	♂ 16 10:02	♂ 26 00:38	♂ 2 14:09	♂ 13 04:41	♂ 24 08:45	♂ 4 09:34	♂ 15 22:51	♂ 25 12:41	♂ 2 01:23	♂ 11 15:46	♂ 24 05:14
♂ 6 06:44	♂ 18 20:51	♂ 28 10:42	♂ 5 02:46	♂ 15 17:26	♂ 27 07:06	♂ 6 21:09	♂ 18 08:54	♂ 27 21:44	♂ 4 13:51	♂ 14 04:12	♂ 26 17:26
♂ 8 15:57	♂ 21 04:40	♂ 30 17:17	♂ 7 14:22	♂ 18 04:30	♂ 29 16:40	♂ 9 05:07	♂ 20 15:27	♂ 30 03:39	♂ 7 00:52	♂ 16 14:48	♂ 29 03:26
♂ 10 21:45	♂ 23 08:57		♂ 9 23:11	♂ 20 11:52		♂ 11 09:13	♂ 22 19:06		♂ 9 09:14	♂ 18 22:40	♂ 31 10:55
♂ 13 00:07	♂ 25 10:13	Dec. -611j	♂ 12 04:09	♂ 22 15:06	July -609j	♂ 13 10:47	♂ 24 21:14	Feb. -607j	♂ 11 14:58	♂ 21 04:03	Sept. -606j
♂ 15 00:11	♂ 27 09:50	♂ 2 20:05	♂ 14 05:36	♂ 24 15:23	♂ 1 22:10	♂ 15 11:38	♂ 26 23:10	♂ 1 07:14	♂ 13 18:49	♂ 23 07:47	♂ 2 16:19
♂ 16 23:40	♂ 29 09:39	♂ 4 20:07	♂ 16 05:08	♂ 26 14:49	♂ 4 00:12	♂ 17 13:20	♂ 29 01:51	♂ 3 09:40	♂ 15 21:41	♂ 25 10:41	♂ 4 20:13
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♂ 23 12:15	June -611j	♂ 10 22:51	♂ 22 11:58	Jan. -609j	♂ 10 03:37	♂ 24 06:14	Aug. -608j	♂ 9 19:18	♂ 22 07:35	March -606j	♂ 11 03:45
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♂ 28 12:29	♂ 5 02:23	♂ 15 17:03	♂ 27 07:58	♂ 4 11:31	♂ 14 16:02	♂ 29 03:56	♂ 4 19:23	♂ 14 09:41	♂ 26 22:21	♂ 6 03:07	♂ 15 14:26
	♂ 7 14:30	♂ 18 05:39	♂ 29 20:20	♂ 6 22:51	♂ 17 01:33	♂ 31 16:59	♂ 7 05:39	♂ 16 20:26	♂ 29 09:32	♂ 8 12:12	♂ 18 00:35
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♂ 3 12:27	♂ 15 02:36	♂ 25 17:06	♂ 2 08:55	♂ 4 20:48	♂ 24 14:23	♂ 3 05:17	♂ 14 17:48	♂ 24 07:09	♂ 3 09:40	♂ 15 23:33	♂ 25 11:33
♂ 5 21:37	♂ 17 11:05	♂ 28 01:07	♂ 4 20:48	♂ 7 06:40	♂ 27 01:04	♂ 5 14:35	♂ 17 01:15	♂ 28 13:35	♂ 5 18:26	♂ 18 07:23	♂ 27 18:18
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♂ 10 08:29	♂ 21 19:38		♂ 9 13:11	♂ 11 15:55	♂ 31 10:41	♂ 9 21:31	♂ 21 06:20	♂ 23 06:48	♂ 10 02:26	♂ 22 14:24	
♂ 12 10:21	♂ 23 20:17	Jan. -610j	♂ 13 15:52	♂ 15 14:57	Aug. -609j	♂ 13 21:31	♂ 15 23:22	♂ 25 08:03	♂ 12 03:56	♂ 24 16:16	Oct. -606j
♂ 14 10:53	♂ 25 20:11	♂ 1 07:18	♂ 15 14:57	♂ 17 15:24	♂ 2 10:47	♂ 15 15:23	♂ 27 11:19	♂ 29 17:13	♂ 14 05:45	♂ 26 18:48	♂ 2 01:39
♂ 16 11:27	♂ 27 21:12	♂ 3 06:46	♂ 17 15:24	♂ 19 19:07	♂ 25 01:53	♂ 18 04:03	♂ 31 05:51	♂ 6 20:35	♂ 16 08:58	♂ 28 22:39	♂ 4 04:32
♂ 18 14:31	♂ 30 01:15	♂ 5 06:15	♂ 19 19:07	♂ 21 02:44	♂ 27 02:15	♂ 22 11:49		♂ 9 00:45	♂ 18 14:05	♂ 31 04:01	♂ 6 07:47
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♂ 23 06:47	July -611j	♂ 9 13:36	♂ 24 13:51	♂ 25 01:15	Feb. -609j	♂ 26 16:04	♂ 27 07:06	♂ 28 13:35	♂ 29 09:32	Apr. -606j	♂ 10 16:32
♂ 25 19:31	♂ 2 09:23	♂ 11 23:25	♂ 27 02:21	♂ 29 14:50	♂ 3 04:43	♂ 5 19:03	♂ 6 00:57	♂ 11 07:29	♂ 12 03:42	♂ 2 11:06	♂ 12 23:24
♂ 28 08:16	♂ 4 21:00	♂ 14 11:54	♂ 30 17:06		♂ 5 17:19	♂ 8 05:59	♂ 9 18:07	♂ 13 16:37	♂ 14 05:45	♂ 4 20:18	♂ 15 09:04
♂ 30 19:07	♂ 7 09:59	♂ 17 00:47		Aug. -610j	♂ 9 22:09	♂ 10 17:46	♂ 11 01:38	♂ 16 03:42	♂ 18 16:06	♂ 7 07:44	♂ 17 21:18
	♂ 9 22:09	♂ 19 12:32		♂ 1 02:30	♂ 12 08:36	♂ 13 03:29	♂ 14 17:48	♂ 20 20:36	♂ 21 04:42	♂ 9 20:29	♂ 20 10:08
Jan. -611j	♂ 14 16:33	♂ 26 12:49	♂ 28 01:07	♂ 3 12:36	♂ 5 20:13	♂ 7 12:46	♂ 9 21:31	♂ 10 08:36	♂ 12 03:56	♂ 14 05:45	♂ 22 20:48
♂ 2 03:29	♂ 16 22:43	♂ 28 16:04	♂ 30 17:06	♂ 5 20:13	♂ 7 12:46	♂ 9 21:31	♂ 10 08:36	♂ 12 03:56	♂ 14 05:45	♂ 16 21:31	♂ 25 03:41
♂ 4 09:44	♂ 19 02:51	♂ 31 17:06		♂ 7 12:46	♂ 9 21:31	♂ 10 08:36	♂ 12 03:56	♂ 14 05:45	♂ 16 21:31	♂ 18 23:10	♂ 27 07:11
♂ 6 14:21	♂ 21 05:05	♂ 23 06:07	Feb. -610j	♂ 12 01:43	♂ 13 03:29	♂ 15 09:55	♂ 17 12:46	♂ 19 12:59	♂ 21 06:20	♂ 23 00:50	♂ 29 08:51
♂ 8 17:38	♂ 23 06:07	♂ 25 07:23	♂ 1 17:16	♂ 14 01:46	♂ 15 09:55	♂ 17 12:46	♂ 19 12:59	♂ 21 06:20	♂ 23 00:50	♂ 25 04:02	♂ 31 10:25
♂ 10 19:52	♂ 27 07:23	♂ 29 17:42	♂ 3 18:32	♂ 16 04:14	♂ 17 12:46	♂ 19 12:59	♂ 21 06:20	♂ 23 00:50	♂ 25 04:02	♂ 27 09:39	♂ 2 13:07
♂ 12 21:47	♂ 31 10:45		♂ 5 22:51	♂ 18 10:30	♂ 20 03:34						

with clock times in UT/GMT. The year -605 astronomical counting style corresponds to year 606 B.C.E historical counting style.

Jan. -605j	July -605j	Jan. -604j	Aug. -604j	Feb. -603j	Aug. -603j	March -602j	Sept. -602j	March -601j	Oct. -601j
2 18:56	II 15 08:53	II 25 00:05	II 3 04:11	II 12 18:55	II 25 07:39	II 2 07:33	II 11 18:59	II 24 07:36	II 1 14:15
5 05:43	III 17 20:18	III 27 11:44	III 5 14:11	III 15 04:47	III 27 17:52	III 4 13:18	III 14 00:57	III 26 14:13	III 3 18:38
7 18:14	III 20 09:04	III 30 00:19	III 8 01:49	III 17 16:27	III 30 06:15	III 6 21:23	III 16 09:58	III 29 00:02	III 6 02:15
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12 19:29	III 25 09:39	Feb. -604j	III 13 02:44	III 22 17:08	Sept. -603j	III 11 21:02	III 21 10:38		III 11 01:34
15 05:43	III 27 18:38	III 1 12:51	III 15 12:43	III 25 01:57	III 1 19:07	III 14 09:18	III 23 21:42	Apr. -601j	III 13 13:23
17 12:48	III 29 23:59	III 3 23:54	III 17 18:52	III 27 06:38	III 4 05:47	III 16 18:40	III 26 05:30	III 3 00:30	III 15 22:52
19 16:22		III 6 07:53	III 19 21:10		III 6 12:33	III 19 00:14	III 28 10:11	III 5 10:46	III 18 05:39
21 17:09	Aug. -605j	III 8 12:03	III 21 21:00	March -603j	III 8 15:33	III 21 02:52	III 30 12:56	III 7 18:04	III 20 10:16
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25 16:46	III 3 01:42	III 12 12:13	III 25 21:37	III 3 07:40	III 12 16:59	III 25 05:45	Oct. -602j	III 12 01:49	III 24 16:22
27 19:22	III 5 01:06	III 14 11:56	III 28 01:56	III 5 08:01	III 14 18:59	III 27 08:37	III 2 15:04	III 14 04:15	III 26 19:15
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Feb. -605j	III 11 14:43	III 21 05:46	Sept. -604j	III 12 00:43	III 21 14:23		III 9 02:04	III 20 15:28	
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March -605j	III 10 08:35	III 21 23:51	Oct. -604j	III 10 16:57	III 21 07:12		III 7 15:15	III 17 21:35	
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15 05:49	III 24 18:50	Apr. -604j	III 13 16:28	III 25 04:04	Nov. -603j	III 12 18:59	III 22 06:59	III 2 19:36	III 12 01:06
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23 15:35		III 9 09:08	III 21 19:10	May -603j	III 8 13:23	III 20 23:53	III 30 09:59	III 11 10:49	III 20 21:54
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