Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

conjunction	-11399 Feb 09 j 02:32	28°♏57'58	-1°06'35
minimum elong	-11399 Feb 09 j 03:52	29°♏00'07	1°07'06
	-11399 Feb 10 j 16:56	0°♐	
max. Earth dist.	-11399 Feb 18 j 11:03	5°♐00'06	2.65045 AU
morning rise	-11399 Mar 29 j 09:08	29°♐55'51	
	-11399 Mar 29 j 11:44	0°♑	
	-11399 May 15 j 13:10	0°♒	
asc. node	-11399 Jun 26 j 13:40	26°♒48'49	
	-11399 Jul 01 j 13:32	0°♓	
	-11399 Aug 17 j 19:37	0°♈	
	-11399 Oct 05 j 17:12	0°♉	
	-11399 Dec 01 j 15:21	0°♊	
retrograde	-11398 Jan 17 j 06:26	11°♊24'13	
opposition	-11398 Feb 17 j 00:46	6°♊15'06	6°04'19
greatest brilliancy	-11398 Feb 17 j 19:33	6°♊02'21	-2.8m
min. Earth dist.	-11398 Feb 19 j 21:35	5°♊28'30	0.38966 AU
direct	-11398 Mar 20 j 10:30	0°♊48'06	
desc. node	-11398 May 17 j 04:04	18°♊27'28	
	-11398 Jun 06 j 22:07	0°♋	
	-11398 Jul 24 j 11:05	0°♌	
	-11398 Sep 07 j 12:20	0°♍	
	-11398 Oct 22 j 14:14	0°♎	
	-11398 Dec 07 j 11:08	0°♏	
	-11397 Jan 23 j 03:19	0°♐	
evening set	-11397 Jan 31 j 13:01	5°♐22'13	
	-11397 Mar 11 j 02:33	0°♑	
max. Earth dist.	-11397 Mar 15 j 05:39	2°♑38'35	2.66239 AU
conjunction	-11397 Mar 20 j 17:20	6°♑09'32	-0°31'38
minimum elong	-11397 Mar 20 j 18:30	6°♑11'26	0°32'16
	-11397 Apr 26 j 15:57	0°♒	
morning rise	-11397 May 06 j 13:22	6°♒26'52	
asc. node	-11397 May 14 j 05:58	11°♒28'58	
	-11397 Jun 11 j 05:52	0°♓	
	-11397 Jul 25 j 14:55	0°♈	
	-11397 Sep 06 j 22:59	0°♉	
	-11397 Oct 19 j 17:14	0°♊	
	-11397 Dec 01 j 22:10	0°♋	
	-11396 Jan 17 j 11:14	0°♌	
retrograde	-11396 Mar 29 j 06:16	26°♌14'48	
desc. node	-11396 Apr 03 j 07:14	26°♌03'59	
min. Earth dist.	-11396 Apr 25 j 17:14	21°♌20'24	0.43172 AU
opposition	-11396 May 03 j 05:42	18°♌56'08	-2°04'36
greatest brilliancy	-11396 May 02 j 14:19	19°♌08'31	-2.6m
direct	-11396 Jun 04 j 01:54	12°♌52'10	
	-11396 Aug 02 j 10:03	0°♍	
	-11396 Sep 26 j 12:30	0°♎	
	-11396 Nov 15 j 07:13	0°♏	
	-11395 Jan 02 j 20:11	0°♐	
	-11395 Feb 19 j 14:47	0°♑	
evening set	-11395 Mar 10 j 22:44	12°♑19'41	
asc. node	-11395 Mar 31 j 01:09	25°♑18'09	
	-11395 Apr 07 j 06:04	0°♒	
max. Earth dist.	-11395 Apr 08 j 12:05	0°♒49'04	2.62125 AU
conjunction	-11395 Apr 28 j 07:17	13°♒52'30	0°17'09
minimum elong	-11395 Apr 28 j 06:34	13°♒51'20	0°16'40
	-11395 May 22 j 06:59	0°♓	
morning rise	-11395 Jun 15 j 08:53	16°♓33'18	
	-11395 Jul 04 j 12:36	0°♈	
	-11395 Aug 15 j 02:49	0°♉	
	-11395 Sep 24 j 12:00	0°♊	
	-11395 Nov 03 j 08:26	0°♋	
	-11395 Dec 13 j 15:16	0°♌	
	-11394 Jan 24 j 22:08	0°♍	
desc. node	-11394 Feb 19 j 06:28	16°♍33'09	
	-11394 Mar 14 j 04:06	0°♎	
retrograde	-11394 May 17 j 23:06	21°♎22'50	
min. Earth dist.	-11394 Jun 19 j 01:56	14°♎28'12	0.55270 AU
opposition	-11394 Jun 25 j 20:18	11°♎52'29	-5°22'26
greatest brilliancy	-11394 Jun 24 j 14:25	12°♎21'11	-1.9m
direct	-11394 Jul 31 j 11:50	3°♎53'30	
	-11394 Oct 19 j 01:57	0°♏	
	-11394 Dec 12 j 09:01	0°♐	
	-11393 Jan 31 j 05:52	0°♑	
asc. node	-11393 Feb 16 j 01:13	9°♑50'55	
	-11393 Mar 19 j 14:39	0°♒	
evening set	-11393 Apr 21 j 10:15	21°♒42'12	
	-11393 May 03 j 15:39	0°♓	
max. Earth dist.	-11393 May 09 j 13:15	4°♓02'55	2.53131 AU
conjunction	-11393 Jun 11 j 14:00	27°♓14'37	1°01'58
minimum elong	-11393 Jun 11 j 12:08	27°♓11'18	1°01'52
	-11393 Jun 15 j 10:11	0°♈	
	-11393 Jul 26 j 05:52	0°♉	
morning rise	-11393 Aug 03 j 21:31	6°♉30'41	
	-11393 Sep 03 j 16:14	0°♊	
	-11393 Oct 12 j 11:21	0°♋	
	-11393 Nov 20 j 12:05	0°♌	
	-11393 Dec 30 j 17:52	0°♍	
desc. node	-11392 Jan 07 j 00:06	5°♍15'21	
	-11392 Feb 11 j 10:50	0°♎	
	-11392 Mar 30 j 00:21	0°♏	
	-11392 Jun 06 j 23:39	0°♐	
retrograde	-11392 Jun 24 j 17:49	1°♐57'12	
	-11392 Jul 11 j 13:16	30°℞♏	
min. Earth dist.	-11392 Jul 31 j 11:49	23°♏18'38	0.63871 AU
opposition	-11392 Aug 03 j 16:35	22°♏01'33	-4°51'36
greatest brilliancy	-11392 Aug 03 j 04:42	22°♏13'29	-1.5m
direct	-11392 Sep 11 j 05:46	12°♏52'17	
	-11392 Nov 12 j 04:48	0°♐	
asc. node	-11391 Jan 03 j 05:16	27°♐02'23	
	-11391 Jan 08 j 09:24	0°♑	
	-11391 Feb 26 j 21:34	0°♒	
	-11391 Apr 13 j 14:15	0°♓	
	-11391 May 26 j 09:15	0°♈	
evening set	-11391 Jun 08 j 05:54	9°♈21'38	
max. Earth dist.	-11391 Jun 30 j 23:49	26°♈16'38	2.41347 AU
	-11391 Jul 05 j 22:12	0°♉	
conjunction	-11391 Aug 04 j 17:27	22°♉50'14	1°07'23
minimum elong	-11391 Aug 04 j 19:34	22°♉54'20	1°07'51
	-11391 Aug 13 j 22:50	0°♊	
	-11391 Sep 21 j 07:38	0°♋	
morning rise	-11391 Oct 06 j 11:37	11°♋50'43	
	-11391 Oct 29 j 22:05	0°♌	
desc. node	-11391 Nov 23 j 18:00	18°♌53'59	
	-11391 Dec 08 j 14:56	0°♍	
	-11390 Jan 19 j 06:01	0°♎	
	-11390 Mar 04 j 16:24	0°♏	
	-11390 Apr 22 j 13:35	0°♐	
	-11390 Jun 23 j 22:27	0°♑	
retrograde	-11390 Jul 30 j 02:00	6°♑58'07	
	-11390 Sep 01 j 00:40	30°℞♐	
opposition	-11390 Sep 07 j 16:22	27°♐21'49	-2°49'49
greatest brilliancy	-11390 Sep 07 j 18:23	27°♐19'47	-1.4m
min. Earth dist.	-11390 Sep 08 j 06:15	27°♐07'51	0.66506 AU
direct	-11390 Oct 17 j 23:40	17°♐33'48	
asc. node	-11390 Nov 21 j 10:34	23°♐48'50	
	-11390 Dec 07 j 22:35	0°♑	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11389 Feb 04 j 05:06	0°♒	
	-11389 Mar 24 j 02:49	0°♓	
	-11389 May 06 j 14:22	0°♈	
	-11389 Jun 16 j 07:09	0°♉	
	-11389 Jul 25 j 07:11	0°♊	
evening set	-11389 Aug 08 j 03:28	10°♊49'13	
	-11389 Sep 01 j 14:31	0°♋	
conjunction	-11389 Oct 09 j 23:08	29°♋50'45	0°01'15
minimum elong	-11389 Oct 09 j 23:18	29°♋51'05	0°01'49
behind sun begin	-11389 Oct 08 j 20:33	28°♋59'36	
behind sun end	-11389 Oct 11 j 02:03	0°♌42'31	
	-11389 Oct 10 j 03:57	0°♌	
desc. node	-11389 Oct 11 j 13:25	1°♌04'23	
	-11389 Nov 18 j 19:40	0°♍	
max. Earth dist.	-11389 Nov 22 j 14:24	2°♍47'55	2.42627 AU
morning rise	-11389 Dec 11 j 23:26	16°♍56'55	
	-11389 Dec 30 j 06:09	0°♎	
	-11388 Feb 11 j 22:54	0°♏	
	-11388 Mar 29 j 07:17	0°♐	
	-11388 May 18 j 06:53	0°♑	
	-11388 Jul 16 j 20:47	0°♒	
retrograde	-11388 Sep 03 j 22:10	11°♒39'05	
asc. node	-11388 Oct 08 j 14:33	4°♒10'07	
opposition	-11388 Oct 12 j 03:18	2°♒47'42	0°08'59
greatest brilliancy	-11388 Oct 12 j 03:49	2°♒47'11	-1.5m
min. Earth dist.	-11388 Oct 16 j 09:25	1°♒07'31	0.62979 AU
	-11388 Oct 19 j 07:30	30°♑℞	
direct	-11388 Nov 21 j 22:08	22°♑50'14	
	-11388 Dec 28 j 07:30	0°♒	
	-11387 Feb 26 j 12:33	0°♓	
	-11387 Apr 13 j 16:54	0°♈	
	-11387 May 25 j 09:17	0°♉	
	-11387 Jul 03 j 20:46	0°♊	
	-11387 Aug 11 j 12:09	0°♋	
desc. node	-11387 Aug 28 j 11:29	13°♋09'44	
	-11387 Sep 19 j 09:07	0°♌	
evening set	-11387 Oct 10 j 21:18	16°♌16'59	
	-11387 Oct 29 j 08:12	0°♍	
conjunction	-11387 Dec 07 j 23:48	28°♍34'35	-1°02'20
minimum elong	-11387 Dec 07 j 21:30	28°♍30'30	1°02'16
	-11387 Dec 10 j 00:21	0°♎	
max. Earth dist.	-11386 Jan 10 j 12:00	21°♎45'41	2.54688 AU
	-11386 Jan 22 j 16:51	0°♏	
morning rise	-11386 Feb 01 j 00:57	6°♏14'13	
	-11386 Mar 09 j 09:27	0°♐	
	-11386 Apr 25 j 23:04	0°♑	
	-11386 Jun 14 j 19:07	0°♒	
	-11386 Aug 09 j 01:22	0°♓	
asc. node	-11386 Aug 26 j 13:51	8°♓00'30	
retrograde	-11386 Oct 18 j 01:53	21°♓07'37	
opposition	-11386 Nov 22 j 18:16	13°♓32'05	3°56'38
greatest brilliancy	-11386 Nov 23 j 16:48	13°♓11'31	-1.9m
min. Earth dist.	-11386 Nov 30 j 05:03	10°♓49'31	0.53796 AU
direct	-11385 Jan 01 j 01:44	4°♓19'48	
	-11385 Mar 15 j 00:00	0°♈	
	-11385 Apr 30 j 12:50	0°♉	
	-11385 Jun 10 j 23:35	0°♊	
desc. node	-11385 Jul 16 j 14:03	26°♊47'11	
	-11385 Jul 20 j 19:57	0°♋	
	-11385 Aug 29 j 15:45	0°♌	
	-11385 Oct 09 j 10:20	0°♍	
	-11385 Nov 20 j 18:27	0°♎	
evening set	-11385 Dec 03 j 18:20	8°♎57'42	
	-11384 Jan 03 j 21:30	0°♏	

conjunction	-11384 Jan 24 j 17:05	13°♏46'07	-1°13'17
minimum elong	-11384 Jan 24 j 17:46	13°♏47'15	1°13'41
max. Earth dist.	-11384 Feb 09 j 08:18	23°♏58'55	2.63128 AU
	-11384 Feb 18 j 15:07	0°♐	
morning rise	-11384 Mar 14 j 06:30	15°♐50'42	
	-11384 Apr 05 j 11:32	0°♑	
	-11384 May 22 j 23:11	0°♒	
	-11384 Jul 10 j 00:58	0°♓	
asc. node	-11384 Jul 13 j 08:27	2°♓02'33	
	-11384 Aug 28 j 18:44	0°♈	
	-11384 Oct 24 j 12:16	0°♉	
retrograde	-11384 Dec 17 j 19:38	14°♉19'34	
opposition	-11383 Jan 18 j 13:55	8°♉39'41	6°56'50
greatest brilliancy	-11383 Jan 20 j 03:52	8°♉11'16	-2.6m
min. Earth dist.	-11383 Jan 25 j 02:55	6°♉42'47	0.41969 AU
direct	-11383 Feb 21 j 16:14	2°♉04'06	
	-11383 May 07 j 13:12	0°♊	
desc. node	-11383 Jun 02 j 19:47	16°♊38'11	
	-11383 Jun 22 j 16:25	0°♋	
	-11383 Aug 04 j 19:48	0°♌	
	-11383 Sep 16 j 19:29	0°♍	
	-11383 Oct 30 j 16:46	0°♎	
	-11383 Dec 14 j 20:38	0°♏	
evening set	-11382 Jan 15 j 20:37	20°♏48'08	
	-11382 Jan 30 j 03:23	0°♐	
conjunction	-11382 Mar 05 j 13:54	22°♐04'03	-0°47'36
minimum elong	-11382 Mar 05 j 15:25	22°♐06'28	0°48'13
max. Earth dist.	-11382 Mar 05 j 18:31	22°♐11'26	2.66419 AU
	-11382 Mar 17 j 23:24	0°♑	
morning rise	-11382 Apr 21 j 16:08	22°♑15'58	
	-11382 May 03 j 15:45	0°♒	
asc. node	-11382 May 31 j 00:44	17°♒47'20	
	-11382 Jun 18 j 15:36	0°♓	
	-11382 Aug 02 j 19:46	0°♈	
	-11382 Sep 16 j 11:28	0°♉	
	-11382 Oct 31 j 10:02	0°♊	
	-11382 Dec 18 j 01:26	0°♋	
retrograde	-11381 Mar 05 j 01:27	28°♋35'25	
min. Earth dist.	-11381 Apr 01 j 21:22	23°♋57'21	0.39591 AU
opposition	-11381 Apr 06 j 17:17	22°♋34'14	1°05'51
greatest brilliancy	-11381 Apr 06 j 13:48	22°♋36'44	-2.8m
desc. node	-11381 Apr 20 j 23:44	18°♋56'37	
direct	-11381 May 07 j 05:16	17°♋14'47	
	-11381 Jun 25 j 11:09	0°♌	
	-11381 Aug 20 j 03:46	0°♍	
	-11381 Oct 07 j 22:43	0°♎	
	-11381 Nov 24 j 15:06	0°♏	
	-11380 Jan 11 j 05:36	0°♐	
evening set	-11380 Feb 24 j 15:12	28°♐06'26	
	-11380 Feb 27 j 14:32	0°♑	
max. Earth dist.	-11380 Mar 29 j 08:58	19°♑44'26	2.64376 AU
conjunction	-11380 Apr 12 j 15:05	28°♑59'45	-0°02'34
minimum elong	-11380 Apr 12 j 15:13	28°♑59'58	0°03'08
behind sun begin	-11380 Apr 11 j 19:43	28°♑28'12	
behind sun end	-11380 Apr 13 j 10:42	29°♑31'45	
	-11380 Apr 14 j 04:00	0°♒	
asc. node	-11380 Apr 16 j 18:54	1°♒42'47	
morning rise	-11380 May 29 j 19:55	0°♓18'55	
	-11380 May 29 j 08:43	0°♓	
	-11380 Jul 11 j 22:58	0°♈	
	-11380 Aug 23 j 01:36	0°♉	
	-11380 Oct 03 j 02:25	0°♊	
	-11380 Nov 12 j 17:42	0°♋	
	-11380 Dec 24 j 03:29	0°♌	
	-11379 Feb 06 j 20:20	0°♍	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

desc. node	-11379 Mar 08 j 00:07	16°♍38'02	
	-11379 Apr 10 j 23:57	0°♎	
retrograde	-11379 Apr 30 j 13:12	2°♎32'27	
	-11379 May 19 j 08:44	30°℞♍	
min. Earth dist.	-11379 May 30 j 14:57	26°♍26'40	0.50631 AU
greatest brilliancy	-11379 Jun 06 j 01:03	24°♍05'38	-2.1m
opposition	-11379 Jun 07 j 08:58	23°♍36'17	-4°46'47
direct	-11379 Jul 11 j 14:08	16°♍16'41	
	-11379 Sep 02 j 12:58	0°♎	
	-11379 Oct 30 j 18:13	0°♏	
	-11379 Dec 20 j 20:49	0°♐	
	-11378 Feb 07 j 16:23	0°♑	
asc. node	-11378 Mar 04 j 16:27	15°♑48'30	
	-11378 Mar 26 j 16:27	0°♒	
evening set	-11378 Apr 04 j 18:08	5°♒56'15	
max. Earth dist.	-11378 Apr 26 j 09:10	20°♒18'41	2.57202 AU
	-11378 May 10 j 16:29	0°♓	
conjunction	-11378 May 24 j 09:51	9°♓26'19	0°46'40
minimum elong	-11378 May 24 j 08:05	9°♓23'15	0°46'24
	-11378 Jun 22 j 14:38	0°♈	
morning rise	-11378 Jul 14 j 00:36	15°♈29'28	
	-11378 Aug 02 j 16:26	0°♉	
	-11378 Sep 11 j 10:09	0°♊	
	-11378 Oct 20 j 12:41	0°♋	
	-11378 Nov 28 j 21:11	0°♌	
	-11377 Jan 08 j 13:55	0°♍	
desc. node	-11377 Jan 23 j 21:39	10°♍50'23	
	-11377 Feb 21 j 07:12	0°♎	
	-11377 Apr 13 j 16:40	0°♏	
retrograde	-11377 Jun 11 j 09:45	17°♏23'37	
min. Earth dist.	-11377 Jul 16 j 11:46	9°♏21'46	0.61162 AU
greatest brilliancy	-11377 Jul 20 j 08:36	7°♏49'29	-1.6m
opposition	-11377 Jul 21 j 04:04	7°♏30'08	-5°18'24
	-11377 Aug 13 j 21:38	30°℞♎	
direct	-11377 Aug 27 j 17:30	28°♎43'51	
	-11377 Sep 11 j 08:32	0°♏	
	-11377 Nov 26 j 02:08	0°♐	
	-11376 Jan 18 j 02:10	0°♑	
asc. node	-11376 Jan 20 j 18:39	1°♑36'28	
	-11376 Mar 06 j 12:19	0°♒	
	-11376 Apr 20 j 20:56	0°♓	
evening set	-11376 May 19 j 00:43	19°♓34'13	
	-11376 Jun 02 j 14:54	0°♈	
max. Earth dist.	-11376 Jun 04 j 09:01	1°♈16'03	2.45954 AU
conjunction	-11376 Jul 12 j 14:07	29°♈30'30	1°13'17
minimum elong	-11376 Jul 12 j 14:02	29°♈30'20	1°13'33
	-11376 Jul 13 j 05:46	0°♉	
	-11376 Aug 21 j 09:30	0°♊	
morning rise	-11376 Sep 09 j 13:49	14°♊55'32	
	-11376 Sep 28 j 21:23	0°♋	
	-11376 Nov 06 j 14:32	0°♌	
desc. node	-11376 Dec 10 j 14:48	25°♌41'47	
	-11376 Dec 16 j 10:22	0°♍	
	-11375 Jan 27 j 07:05	0°♎	
	-11375 Mar 13 j 09:47	0°♏	
	-11375 May 03 j 19:43	0°♐	
retrograde	-11375 Jul 16 j 10:26	23°♐49'01	
min. Earth dist.	-11375 Aug 24 j 09:49	14°♐23'27	0.66201 AU
opposition	-11375 Aug 25 j 07:18	14°♐01'48	-3°44'33
greatest brilliancy	-11375 Aug 25 j 05:15	14°♐03'52	-1.4m
direct	-11375 Oct 04 j 01:35	4°♐25'49	
asc. node	-11375 Dec 08 j 00:15	22°♐58'10	
	-11375 Dec 22 j 08:17	0°♑	
	-11374 Feb 13 j 08:52	0°♒	
	-11374 Apr 01 j 02:48	0°♓	
	-11374 May 14 j 05:41	0°♈	
	-11374 Jun 23 j 19:47	0°♉	
evening set	-11374 Jul 14 j 01:04	15°♉27'20	
	-11374 Aug 01 j 19:09	0°♊	
	-11374 Sep 09 j 02:05	0°♋	
conjunction	-11374 Sep 13 j 18:33	3°♋40'22	0°33'05
minimum elong	-11374 Sep 13 j 21:21	3°♋45'52	0°33'40
max. Earth dist.	-11374 Oct 07 j 12:23	22°♋11'31	2.38755 AU
	-11374 Oct 17 j 14:50	0°♌	
desc. node	-11374 Oct 28 j 08:15	8°♌13'39	
morning rise	-11374 Nov 17 j 13:22	23°♌31'28	
	-11374 Nov 26 j 05:49	0°♍	
	-11373 Jan 06 j 16:17	0°♎	
	-11373 Feb 19 j 12:35	0°♏	
	-11373 Apr 07 j 11:07	0°♐	
	-11373 May 29 j 15:07	0°♑	
retrograde	-11373 Aug 21 j 02:52	28°♑05'17	
opposition	-11373 Sep 29 j 00:02	18°♑53'20	-1°06'35
greatest brilliancy	-11373 Sep 29 j 03:12	18°♑50'12	-1.4m
min. Earth dist.	-11373 Oct 01 j 20:02	17°♑45'47	0.65082 AU
asc. node	-11373 Oct 26 j 05:23	10°♑08'00	
direct	-11373 Nov 08 j 18:43	8°♑55'23	
	-11372 Jan 16 j 14:39	0°♒	
	-11372 Mar 08 j 17:33	0°♓	
	-11372 Apr 22 j 10:20	0°♈	
	-11372 Jun 02 j 14:06	0°♉	
	-11372 Jul 11 j 19:19	0°♊	
	-11372 Aug 19 j 06:01	0°♋	
desc. node	-11372 Sep 14 j 05:24	20°♋12'22	
evening set	-11372 Sep 16 j 11:25	21°♋56'47	
	-11372 Sep 26 j 22:29	0°♌	
	-11372 Nov 05 j 17:14	0°♍	
conjunction	-11372 Nov 16 j 06:06	7°♍44'57	-0°43'46
minimum elong	-11372 Nov 16 j 03:23	7°♍39'58	0°43'27
	-11372 Dec 17 j 05:37	0°♎	
max. Earth dist.	-11372 Dec 26 j 13:38	6°♎32'49	2.50203 AU
morning rise	-11371 Jan 13 j 08:53	18°♎50'26	
	-11371 Jan 29 j 20:28	0°♏	
	-11371 Mar 16 j 16:11	0°♐	
	-11371 May 03 j 20:24	0°♑	
	-11371 Jun 24 j 15:54	0°♒	
	-11371 Aug 30 j 05:45	0°♓	
asc. node	-11371 Sep 12 j 07:03	3°♓13'17	
retrograde	-11371 Sep 29 j 12:51	4°♓57'00	
	-11371 Oct 27 j 11:29	30°℞♒	
opposition	-11371 Nov 05 j 08:49	26°♒47'05	2°23'38
greatest brilliancy	-11371 Nov 05 j 20:24	26°♒36'06	-1.7m
min. Earth dist.	-11371 Nov 11 j 16:50	24°♒23'19	0.57977 AU
direct	-11371 Dec 15 j 13:52	17°♒07'23	
	-11370 Feb 03 j 00:43	0°♓	
	-11370 Mar 28 j 06:41	0°♈	
	-11370 May 10 j 20:26	0°♉	
	-11370 Jun 20 j 04:51	0°♊	
	-11370 Jul 29 j 09:44	0°♋	
desc. node	-11370 Aug 02 j 06:24	2°♋57'47	
	-11370 Sep 06 j 17:35	0°♌	
	-11370 Oct 17 j 02:10	0°♍	
evening set	-11370 Nov 14 j 06:40	20°♍16'58	
	-11370 Nov 28 j 01:54	0°♎	
conjunction	-11369 Jan 07 j 07:13	27°♎32'47	-1°14'32
minimum elong	-11369 Jan 07 j 06:51	27°♎32'10	1°14'47
	-11369 Jan 10 j 23:02	0°♏	
max. Earth dist.	-11369 Jan 29 j 18:45	12°♏30'03	2.60399 AU
	-11369 Feb 25 j 14:21	0°♐	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

morning rise	-11369 Feb 27 j 14:06	1°♐17'07	
	-11369 Apr 13 j 14:46	0°♑	
	-11369 May 31 j 17:37	0°♒	
	-11369 Jul 20 j 10:55	0°♓	
asc. node	-11369 Jul 31 j 03:29	6°♓12'42	
	-11369 Sep 13 j 03:59	0°♈	
retrograde	-11369 Nov 21 j 21:08	21°♈13'55	
opposition	-11369 Dec 25 j 04:40	14°♈46'53	6°13'28
greatest brilliancy	-11369 Dec 26 j 19:58	14°♈14'31	-2.3m
min. Earth dist.	-11368 Jan 02 j 05:12	12°♈08'57	0.46400 AU
direct	-11368 Jan 30 j 21:49	6°♈55'43	
	-11368 Apr 06 j 12:53	0°♉	
	-11368 May 23 j 04:43	0°♊	
desc. node	-11368 Jun 19 j 10:27	19°♊15'47	
	-11368 Jul 04 j 07:05	0°♋	
	-11368 Aug 14 j 12:50	0°♌	
	-11368 Sep 25 j 08:18	0°♍	
	-11368 Nov 07 j 10:38	0°♎	
	-11368 Dec 22 j 02:10	0°♏	
evening set	-11368 Dec 30 j 12:46	5°♏33'56	
	-11367 Feb 06 j 01:54	0°♐	
conjunction	-11367 Feb 18 j 04:18	7°♐47'26	-1°00'40
minimum elong	-11367 Feb 18 j 05:49	7°♐49'52	1°01'13
max. Earth dist.	-11367 Feb 24 j 03:32	11°♐37'26	2.65771 AU
	-11367 Mar 24 j 20:28	0°♑	
morning rise	-11367 Apr 06 j 21:55	8°♑20'48	
	-11367 May 10 j 17:58	0°♒	
asc. node	-11367 Jun 16 j 19:58	23°♒51'33	
	-11367 Jun 26 j 08:06	0°♓	
	-11367 Aug 11 j 16:39	0°♈	
	-11367 Sep 27 j 13:29	0°♉	
	-11367 Nov 16 j 08:15	0°♊	
retrograde	-11366 Feb 03 j 20:28	28°♊26'36	
opposition	-11366 Mar 06 j 17:00	23°♊14'54	4°38'15
greatest brilliancy	-11366 Mar 06 j 22:17	23°♊11'21	-2.9m
min. Earth dist.	-11366 Mar 06 j 19:23	23°♊13'18	0.38356 AU
direct	-11366 Apr 06 j 08:16	18°♊06'13	
desc. node	-11366 May 07 j 16:51	23°♊59'11	
	-11366 May 22 j 16:26	0°♋	
	-11366 Jul 16 j 00:37	0°♌	
	-11366 Sep 01 j 01:41	0°♍	
	-11366 Oct 17 j 02:01	0°♎	
	-11366 Dec 02 j 11:08	0°♏	
	-11365 Jan 18 j 09:50	0°♐	
evening set	-11365 Feb 09 j 09:52	14°♐00'10	
	-11365 Mar 06 j 12:01	0°♑	
max. Earth dist.	-11365 Mar 20 j 19:45	9°♑10'18	2.65807 AU
conjunction	-11365 Mar 29 j 10:05	14°♑41'56	-0°21'23
minimum elong	-11365 Mar 29 j 10:56	14°♑43'17	0°22'00
	-11365 Apr 22 j 01:19	0°♒	
asc. node	-11365 May 04 j 12:16	8°♒08'32	
morning rise	-11365 May 15 j 06:12	15°♒12'49	
	-11365 Jun 06 j 11:39	0°♓	
	-11365 Jul 20 j 13:25	0°♈	
	-11365 Sep 01 j 09:22	0°♉	
	-11365 Oct 13 j 09:45	0°♊	
	-11365 Nov 24 j 09:21	0°♋	
	-11364 Jan 07 j 03:22	0°♌	
	-11364 Feb 28 j 16:59	0°♍	
desc. node	-11364 Mar 24 j 19:20	8°♍38'54	
retrograde	-11364 Apr 10 j 18:44	10°♍35'54	
min. Earth dist.	-11364 May 08 j 23:25	5°♍18'33	0.45712 AU
opposition	-11364 May 16 j 22:22	2°♍36'37	-3°21'56
greatest brilliancy	-11364 May 15 j 21:29	2°♍57'52	-2.4m
	-11364 May 24 j 23:45	30°℞♌	

direct	-11364 Jun 18 j 15:04	26°♌04'25	
	-11364 Jul 14 j 11:57	0°♍	
	-11364 Sep 18 j 20:16	0°♎	
	-11364 Nov 09 j 12:41	0°♏	
	-11364 Dec 28 j 19:02	0°♐	
	-11363 Feb 14 j 21:25	0°♑	
evening set	-11363 Mar 19 j 20:56	21°♑03'02	
asc. node	-11363 Mar 21 j 08:07	21°♑59'50	
	-11363 Apr 02 j 15:51	0°♒	
max. Earth dist.	-11363 Apr 14 j 18:33	7°♒56'57	2.60581 AU
conjunction	-11363 May 07 j 13:27	23°♒08'17	0°28'22
minimum elong	-11363 May 07 j 12:17	23°♒06'20	0°27'56
	-11363 May 17 j 16:38	0°♓	
morning rise	-11363 Jun 25 j 07:51	26°♓48'36	
	-11363 Jun 29 j 19:48	0°♈	
	-11363 Aug 10 j 05:18	0°♉	
	-11363 Sep 19 j 08:22	0°♊	
	-11363 Oct 28 j 21:12	0°♋	
	-11363 Dec 07 j 17:44	0°♌	
	-11362 Jan 18 j 05:53	0°♍	
desc. node	-11362 Feb 09 j 16:27	15°♍14'50	
	-11362 Mar 05 j 00:46	0°♎	
	-11362 May 11 j 18:44	0°♏	
retrograde	-11362 May 27 j 04:43	1°♏33'56	
	-11362 Jun 11 j 00:47	30°℞♎	
min. Earth dist.	-11362 Jun 29 j 10:16	24°♎14'03	0.57586 AU
greatest brilliancy	-11362 Jul 04 j 09:25	22°♎17'58	-1.7m
opposition	-11362 Jul 05 j 12:07	21°♎51'54	-5°27'57
direct	-11362 Aug 10 j 21:26	13°♎34'17	
	-11362 Oct 09 j 17:10	0°♏	
	-11362 Dec 06 j 09:01	0°♐	
	-11361 Jan 26 j 03:26	0°♑	
asc. node	-11361 Feb 06 j 08:51	6°♑54'31	
	-11361 Mar 14 j 20:33	0°♒	
	-11361 Apr 29 j 00:28	0°♓	
evening set	-11361 May 01 j 10:56	1°♓39'55	
max. Earth dist.	-11361 May 18 j 03:58	13°♓13'42	2.50687 AU
	-11361 Jun 10 j 19:24	0°♈	
conjunction	-11361 Jun 22 j 15:16	8°♈34'13	1°08'21
minimum elong	-11361 Jun 22 j 13:45	8°♈31'26	1°08'23
	-11361 Jul 21 j 13:40	0°♉	
morning rise	-11361 Aug 16 j 18:17	19°♉53'19	
	-11361 Aug 29 j 21:45	0°♊	
	-11361 Oct 07 j 13:55	0°♋	
	-11361 Nov 15 j 10:58	0°♌	
	-11361 Dec 25 j 11:38	0°♍	
desc. node	-11361 Dec 28 j 10:57	2°♍10'23	
	-11360 Feb 05 j 18:09	0°♎	
	-11360 Mar 23 j 01:39	0°♏	
	-11360 May 19 j 09:48	0°♐	
retrograde	-11360 Jul 02 j 18:00	10°♐21'45	
min. Earth dist.	-11360 Aug 09 j 08:41	1°♐25'04	0.64961 AU
opposition	-11360 Aug 11 j 17:43	0°♐27'39	-4°30'06
greatest brilliancy	-11360 Aug 11 j 09:46	0°♐35'40	-1.4m
	-11360 Aug 12 j 21:16	30°℞♏	
direct	-11360 Sep 19 j 18:57	21°♏07'36	
	-11360 Oct 31 j 20:38	0°♐	
asc. node	-11360 Dec 24 j 13:32	25°♐15'01	
	-11359 Jan 02 j 04:49	0°♑	
	-11359 Feb 21 j 16:59	0°♒	
	-11359 Apr 08 j 17:49	0°♓	
	-11359 May 21 j 15:53	0°♈	
evening set	-11359 Jun 20 j 16:06	22°♈03'15	
	-11359 Jul 01 j 05:29	0°♉	
max. Earth dist.	-11359 Jul 24 j 14:01	17°♉51'21	2.39312 AU

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11359 Aug 09 j 05:55	0°♊	
conjunction	-11359 Aug 18 j 19:24	7°♊27'36	0°58'18
minimum elong	-11359 Aug 18 j 22:28	7°♊33'36	0°58'50
	-11359 Sep 16 j 14:02	0°♋	
morning rise	-11359 Oct 21 j 22:57	27°♋32'41	
	-11359 Oct 25 j 03:24	0°♌	
desc. node	-11359 Nov 14 j 04:20	15°♌18'22	
	-11359 Dec 03 j 18:46	0°♍	
	-11358 Jan 14 j 06:45	0°♎	
	-11358 Feb 27 j 09:32	0°♏	
	-11358 Apr 16 j 07:26	0°♐	
	-11358 Jun 11 j 20:04	0°♑	
retrograde	-11358 Aug 06 j 23:57	14°♑53'57	
opposition	-11358 Sep 15 j 09:37	5°♑25'15	-2°14'11
greatest brilliancy	-11358 Sep 15 j 12:50	5°♑22'01	-1.4m
min. Earth dist.	-11358 Sep 16 j 18:59	4°♑51'49	0.66262 AU
	-11358 Sep 29 j 18:53	30°℞♐	
direct	-11358 Oct 25 j 22:45	25°♐32'20	
asc. node	-11358 Nov 11 j 19:45	27°♐11'59	
	-11358 Nov 23 j 11:38	0°♑	
	-11357 Jan 28 j 16:40	0°♒	
	-11357 Mar 18 j 17:25	0°♓	
	-11357 May 01 j 14:05	0°♈	
	-11357 Jun 11 j 10:19	0°♉	
	-11357 Jul 20 j 11:57	0°♊	
evening set	-11357 Aug 22 j 20:22	26°♊05'31	
	-11357 Aug 27 j 20:04	0°♋	
desc. node	-11357 Oct 01 j 22:43	27°♋19'46	
	-11357 Oct 05 j 09:55	0°♌	
conjunction	-11357 Oct 24 j 09:40	14°♌29'53	-0°16'50
minimum elong	-11357 Oct 24 j 08:16	14°♌27'15	0°16'21
	-11357 Nov 14 j 02:00	0°♍	
max. Earth dist.	-11357 Dec 07 j 20:38	17°♍23'55	2.45336 AU
morning rise	-11357 Dec 24 j 18:16	29°♍28'22	
	-11357 Dec 25 j 12:10	0°♎	
	-11356 Feb 07 j 02:56	0°♏	
	-11356 Mar 24 j 04:37	0°♐	
	-11356 May 12 j 07:32	0°♑	
	-11356 Jul 06 j 17:48	0°♒	
retrograde	-11356 Sep 12 j 20:04	20°♒07'34	
asc. node	-11356 Sep 28 j 22:43	18°♒25'54	
opposition	-11356 Oct 20 j 15:00	11°♒29'22	0°56'06
greatest brilliancy	-11356 Oct 20 j 18:34	11°♒25'54	-1.6m
min. Earth dist.	-11356 Oct 25 j 15:41	9°♒32'17	0.61454 AU
direct	-11356 Nov 30 j 07:43	1°♒35'23	
	-11355 Feb 19 j 01:18	0°♓	
	-11355 Apr 07 j 19:49	0°♈	
	-11355 May 20 j 00:43	0°♉	
	-11355 Jun 28 j 18:11	0°♊	
	-11355 Aug 06 j 13:11	0°♋	
desc. node	-11355 Aug 18 j 23:00	9°♋36'11	
	-11355 Sep 14 j 12:40	0°♌	
evening set	-11355 Oct 23 j 22:52	29°♌32'30	
	-11355 Oct 24 j 13:50	0°♍	
	-11355 Dec 05 j 07:22	0°♎	
conjunction	-11355 Dec 19 j 12:52	9°♎55'07	-1°09'02
minimum elong	-11355 Dec 19 j 11:12	9°♎52'14	1°09'07
max. Earth dist.	-11354 Jan 18 j 03:39	0°♏05'32	2.56927 AU
	-11354 Jan 18 j 00:21	0°♏	
morning rise	-11354 Feb 11 j 02:02	15°♏58'31	
	-11354 Mar 04 j 15:16	0°♐	
	-11354 Apr 20 j 22:34	0°♑	
	-11354 Jun 08 j 23:41	0°♒	
	-11354 Jul 31 j 11:20	0°♓	

asc. node	-11354 Aug 16 j 20:44	8°♓29'38	
	-11354 Oct 13 j 05:09	0°♈	
retrograde	-11354 Oct 29 j 18:10	1°♈36'05	
	-11354 Nov 14 j 14:52	30°℞♓	
opposition	-11354 Dec 03 j 16:34	24°♓22'58	4°49'35
greatest brilliancy	-11354 Dec 04 j 21:55	23°♓56'59	-2.0m
min. Earth dist.	-11354 Dec 11 j 14:05	21°♓35'46	0.51249 AU
direct	-11353 Jan 11 j 06:55	15°♓33'38	
	-11353 Mar 03 j 14:21	0°♈	
	-11353 Apr 23 j 04:58	0°♉	
	-11353 Jun 04 j 18:48	0°♊	
desc. node	-11353 Jul 07 j 03:20	23°♊58'05	
	-11353 Jul 15 j 04:54	0°♋	
	-11353 Aug 24 j 09:31	0°♌	
	-11353 Oct 04 j 10:36	0°♍	
	-11353 Nov 15 j 23:14	0°♎	
evening set	-11353 Dec 14 j 05:20	19°♎17'18	
	-11353 Dec 30 j 05:12	0°♏	
conjunction	-11352 Feb 03 j 05:49	23°♏01'38	-1°09'57
minimum elong	-11352 Feb 03 j 06:57	23°♏03'28	1°10'25
	-11352 Feb 13 j 23:50	0°♐	
max. Earth dist.	-11352 Feb 15 j 08:36	0°♐52'57	2.64286 AU
morning rise	-11352 Mar 23 j 00:57	24°♐25'29	
	-11352 Mar 31 j 18:49	0°♑	
	-11352 May 18 j 00:14	0°♒	
asc. node	-11352 Jul 03 j 14:10	29°♒27'51	
	-11352 Jul 04 j 10:34	0°♓	
	-11352 Aug 21 j 14:38	0°♈	
	-11352 Oct 11 j 20:01	0°♉	
retrograde	-11351 Jan 03 j 15:03	29°♉31'37	
opposition	-11351 Feb 03 j 17:41	24°♉12'54	6°42'13
greatest brilliancy	-11351 Feb 04 j 22:58	23°♉52'17	-2.7m
min. Earth dist.	-11351 Feb 08 j 13:16	22°♉51'55	0.40047 AU
direct	-11351 Mar 08 j 05:19	18°♉19'11	
	-11351 Apr 22 j 07:45	0°♊	
desc. node	-11351 May 24 j 08:14	17°♊10'41	
	-11351 Jun 13 j 23:54	0°♋	
	-11351 Jul 29 j 02:03	0°♌	
	-11351 Sep 11 j 01:16	0°♍	
	-11351 Oct 25 j 12:14	0°♎	
	-11351 Dec 10 j 00:11	0°♏	
evening set	-11350 Jan 24 j 22:50	29°♏40'08	
	-11350 Jan 25 j 11:14	0°♐	
max. Earth dist.	-11350 Mar 11 j 09:09	28°♐43'45	2.66422 AU
	-11350 Mar 13 j 08:48	0°♑	
conjunction	-11350 Mar 14 j 07:49	0°♑36'50	-0°38'37
minimum elong	-11350 Mar 14 j 09:10	0°♑39'00	0°39'15
	-11350 Apr 28 j 23:38	0°♒	
morning rise	-11350 Apr 30 j 05:19	0°♒48'07	
asc. node	-11350 May 21 j 06:20	14°♒31'07	
	-11350 Jun 13 j 18:12	0°♓	
	-11350 Jul 28 j 11:47	0°♈	
	-11350 Sep 10 j 08:41	0°♉	
	-11350 Oct 23 j 22:32	0°♊	
	-11350 Dec 07 j 12:49	0°♋	
	-11349 Jan 27 j 05:22	0°♌	
retrograde	-11349 Mar 19 j 21:23	15°♌02'20	
desc. node	-11349 Apr 11 j 11:42	11°♌40'17	
min. Earth dist.	-11349 Apr 16 j 03:40	10°♌20'15	0.41341 AU
opposition	-11349 Apr 22 j 18:53	8°♌19'19	-0°49'52
greatest brilliancy	-11349 Apr 22 j 13:08	8°♌23'42	-2.7m
direct	-11349 May 23 j 22:54	2°♌37'27	
	-11349 Aug 10 j 21:19	0°♍	
	-11349 Oct 01 j 12:29	0°♎	
	-11349 Nov 19 j 06:05	0°♏	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11348 Jan 06 j 08:09	0°♐	
	-11348 Feb 22 j 22:30	0°♑	
evening set	-11348 Mar 04 j 10:14	6°♑40'57	
max. Earth dist.	-11348 Apr 04 j 06:17	26°♑32'49	2.63226 AU
asc. node	-11348 Apr 07 j 01:03	28°♑21'28	
	-11348 Apr 09 j 13:28	0°♒	
conjunction	-11348 Apr 21 j 13:44	7°♒52'36	0°08'52
minimum elong	-11348 Apr 21 j 13:23	7°♒52'01	0°08'20
behind sun begin	-11348 Apr 20 j 20:08	7°♒23'38	
behind sun end	-11348 Apr 22 j 06:38	8°♒20'26	
	-11348 May 24 j 16:47	0°♓	
morning rise	-11348 Jun 08 j 04:24	9°♓52'24	
	-11348 Jul 07 j 03:03	0°♈	
	-11348 Aug 17 j 23:12	0°♉	
	-11348 Sep 27 j 15:21	0°♊	
	-11348 Nov 06 j 19:22	0°♋	
	-11348 Dec 17 j 11:31	0°♌	
	-11347 Jan 29 j 12:19	0°♍	
desc. node	-11347 Feb 26 j 11:50	17°♍31'54	
	-11347 Mar 21 j 16:27	0°♎	
retrograde	-11347 May 10 j 17:05	13°♎59'11	
min. Earth dist.	-11347 Jun 10 j 22:06	7°♎26'32	0.53250 AU
greatest brilliancy	-11347 Jun 16 j 21:20	5°♎11'44	-2.0m
opposition	-11347 Jun 18 j 05:01	4°♎41'50	-5°12'13
	-11347 Jul 02 j 02:47	30°℞♍	
direct	-11347 Jul 23 j 05:44	26°♍59'38	
	-11347 Aug 14 j 23:39	0°♎	
	-11347 Oct 23 j 14:55	0°♏	
	-11347 Dec 15 j 08:50	0°♐	
	-11346 Feb 02 j 18:36	0°♑	
asc. node	-11346 Feb 23 j 00:04	12°♑40'55	
	-11346 Mar 22 j 00:19	0°♒	
evening set	-11346 Apr 14 j 04:34	15°♒14'43	
max. Earth dist.	-11346 May 03 j 15:55	28°♒21'15	2.55022 AU
	-11346 May 06 j 01:51	0°♓	
conjunction	-11346 Jun 03 j 14:31	19°♓47'37	0°55'57
minimum elong	-11346 Jun 03 j 12:36	19°♓44'15	0°55'47
	-11346 Jun 17 j 23:03	0°♈	
morning rise	-11346 Jul 25 j 14:37	27°♈31'43	
	-11346 Jul 28 j 22:07	0°♉	
	-11346 Sep 06 j 12:06	0°♊	
	-11346 Oct 15 j 10:28	0°♋	
	-11346 Nov 23 j 13:50	0°♌	
	-11345 Jan 02 j 22:52	0°♍	
desc. node	-11345 Jan 14 j 06:31	8°♍07'51	
	-11345 Feb 14 j 22:47	0°♎	
	-11345 Apr 04 j 14:23	0°♏	
retrograde	-11345 Jun 19 j 17:31	26°♏16'56	
min. Earth dist.	-11345 Jul 25 j 18:29	17°♏54'15	0.62777 AU
opposition	-11345 Jul 29 j 15:19	16°♏21'27	-5°04'44
greatest brilliancy	-11345 Jul 29 j 00:10	16°♏36'36	-1.5m
direct	-11345 Sep 05 j 19:05	7°♏21'47	
	-11345 Nov 18 j 07:40	0°♐	
asc. node	-11344 Jan 11 j 03:48	29°♐13'03	
	-11344 Jan 12 j 11:56	0°♑	
	-11344 Mar 01 j 13:26	0°♒	
	-11344 Apr 16 j 03:47	0°♓	
	-11344 May 28 j 23:38	0°♈	
evening set	-11344 May 30 j 06:35	0°♈55'49	
max. Earth dist.	-11344 Jun 17 j 15:16	14°♈20'37	2.43339 AU
	-11344 Jul 08 j 14:15	0°♉	
conjunction	-11344 Jul 25 j 09:43	12°♉47'30	1°11'26
minimum elong	-11344 Jul 25 j 10:51	12°♉49'41	1°11'50
	-11344 Aug 16 j 16:38	0°♊	
morning rise	-11344 Sep 24 j 14:33	0°♋23'10	
	-11344 Sep 24 j 02:42	0°♋	
	-11344 Nov 01 j 17:36	0°♌	
desc. node	-11344 Dec 01 j 00:02	22°♌13'41	
	-11344 Dec 11 j 10:35	0°♍	
	-11343 Jan 22 j 02:23	0°♎	
	-11343 Mar 07 j 16:49	0°♏	
	-11343 Apr 26 j 07:49	0°♐	
	-11343 Jul 06 j 19:04	0°♑	
retrograde	-11343 Jul 24 j 06:44	1°♑49'46	
	-11343 Aug 09 j 19:17	30°℞♐	
opposition	-11343 Sep 02 j 01:04	22°♐08'09	-3°13'44
greatest brilliancy	-11343 Sep 02 j 01:33	22°♐07'39	-1.4m
min. Earth dist.	-11343 Sep 01 j 23:17	22°♐09'56	0.66497 AU
direct	-11343 Oct 12 j 03:49	12°♐24'58	
asc. node	-11343 Nov 28 j 09:20	23°♐18'07	
	-11343 Dec 13 j 21:12	0°♑	
	-11342 Feb 07 j 13:53	0°♒	
	-11342 Mar 27 j 00:19	0°♓	
	-11342 May 09 j 09:27	0°♈	
	-11342 Jun 19 j 01:58	0°♉	
evening set	-11342 Jul 28 j 00:34	29°♉56'45	
	-11342 Jul 28 j 02:14	0°♊	
	-11342 Sep 04 j 09:23	0°♋	
conjunction	-11342 Sep 28 j 14:45	18°♋55'49	0°15'22
minimum elong	-11342 Sep 28 j 16:13	18°♋58'40	0°15'58
behind sun begin	-11342 Sep 28 j 11:09	18°♋48'50	
behind sun end	-11342 Sep 28 j 21:16	19°♋08'29	
	-11342 Oct 12 j 21:49	0°♌	
desc. node	-11342 Oct 18 j 19:26	4°♌32'17	
max. Earth dist.	-11342 Nov 07 j 06:55	19°♌21'29	2.40617 AU
	-11342 Nov 21 j 12:05	0°♍	
morning rise	-11342 Dec 01 j 16:44	7°♍31'42	
	-11341 Jan 01 j 21:05	0°♎	
	-11341 Feb 14 j 13:26	0°♏	
	-11341 Apr 02 j 01:23	0°♐	
	-11341 May 22 j 17:22	0°♑	
	-11341 Jul 26 j 03:55	0°♒	
retrograde	-11341 Aug 29 j 12:03	6°♒14'17	
	-11341 Sep 29 j 20:00	30°℞♑	
opposition	-11341 Oct 07 j 01:28	27°♑13'06	-0°23'45
greatest brilliancy	-11341 Oct 07 j 02:59	27°♑11'36	-1.5m
min. Earth dist.	-11341 Oct 10 j 16:40	25°♑47'05	0.64046 AU
asc. node	-11341 Oct 16 j 13:45	23°♑32'08	
direct	-11341 Nov 16 j 21:43	17°♑14'34	
	-11340 Jan 06 j 14:58	0°♒	
	-11340 Mar 02 j 11:18	0°♓	
	-11340 Apr 17 j 00:14	0°♈	
	-11340 May 28 j 11:40	0°♉	
	-11340 Jul 06 j 20:42	0°♊	
	-11340 Aug 14 j 09:55	0°♋	
desc. node	-11340 Sep 04 j 16:49	16°♋32'32	
	-11340 Sep 22 j 04:11	0°♌	
evening set	-11340 Sep 30 j 11:38	6°♌20'41	
	-11340 Nov 01 j 00:18	0°♍	
conjunction	-11340 Nov 28 j 20:35	20°♍15'40	-0°55'25
minimum elong	-11340 Nov 28 j 17:55	20°♍10'54	0°55'14
	-11340 Dec 12 j 13:28	0°♎	
max. Earth dist.	-11339 Jan 04 j 14:50	16°♎02'52	2.52742 AU
morning rise	-11339 Jan 24 j 05:56	29°♎23'27	
	-11339 Jan 25 j 03:41	0°♏	
	-11339 Mar 11 j 20:08	0°♐	
	-11339 Apr 28 j 14:14	0°♑	
	-11339 Jun 18 j 02:11	0°♒	
	-11339 Aug 15 j 06:41	0°♓	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

asc. node	-11339 Sep 02 j 13:40	7♓11'35	
retrograde	-11339 Oct 09 j 19:11	14♓23'31	
opposition	-11339 Nov 15 j 01:13	6♓31'45	3°16'16
greatest brilliancy	-11339 Nov 15 j 18:46	6♓15'27	-1.8m
min. Earth dist.	-11339 Nov 22 j 01:25	3♓55'51	0.55762 AU
	-11339 Dec 04 j 02:08	30°℞♒	
direct	-11339 Dec 24 j 20:35	27°♒05'05	
	-11338 Jan 15 j 13:49	0°♓	
	-11338 Mar 20 j 15:24	0°♈	
	-11338 May 04 j 16:23	0°♉	
	-11338 Jun 14 j 14:21	0°♊	
desc. node	-11338 Jul 23 j 18:38	29°♊43'51	
	-11338 Jul 24 j 03:07	0°♋	
	-11338 Sep 01 j 16:27	0°♌	
	-11338 Oct 12 j 05:17	0°♍	
	-11338 Nov 23 j 08:19	0°♎	
evening set	-11338 Nov 25 j 14:17	1°♎33'58	
	-11337 Jan 06 j 07:22	0°♏	
conjunction	-11337 Jan 17 j 10:02	7°♏23'43	-1°14'30
minimum elong	-11337 Jan 17 j 10:20	7°♏24'12	1°14'51
max. Earth dist.	-11337 Feb 05 j 02:45	19°♏41'57	2.62000 AU
	-11337 Feb 20 j 22:52	0°♐	
morning rise	-11337 Mar 08 j 16:37	10°♐08'36	
	-11337 Apr 08 j 20:10	0°♑	
	-11337 May 26 j 13:19	0°♒	
	-11337 Jul 14 j 05:44	0°♓	
asc. node	-11337 Jul 21 j 09:04	4°♓18'40	
	-11337 Sep 03 j 14:37	0°♈	
	-11337 Nov 09 j 00:58	0°♉	
retrograde	-11337 Dec 06 j 14:16	4°♉13'30	
	-11336 Jan 02 j 02:56	30°℞♈	
opposition	-11336 Jan 08 j 00:23	28°♈12'53	6°45'32
greatest brilliancy	-11336 Jan 09 j 17:00	27°♈40'59	-2.5m
min. Earth dist.	-11336 Jan 15 j 10:44	25°♈53'41	0.43861 AU
direct	-11336 Feb 12 j 08:13	21°♈01'56	
	-11336 Mar 21 j 21:24	0°♉	
	-11336 May 14 j 14:59	0°♊	
desc. node	-11336 Jun 10 j 00:01	17°♊45'31	
	-11336 Jun 27 j 12:08	0°♋	
	-11336 Aug 08 j 15:23	0°♌	
	-11336 Sep 20 j 00:02	0°♍	
	-11336 Nov 02 j 11:07	0°♎	
	-11336 Dec 17 j 08:05	0°♏	
evening set	-11335 Jan 08 j 23:46	14°♏49'15	
	-11335 Feb 01 j 10:49	0°♐	
conjunction	-11335 Feb 27 j 01:53	16°♐27'19	-0°53'29
minimum elong	-11335 Feb 27 j 03:27	16°♐29'49	0°54'04
max. Earth dist.	-11335 Mar 01 j 18:18	18°♐10'29	2.66231 AU
	-11335 Mar 20 j 05:50	0°♑	
morning rise	-11335 Apr 15 j 09:55	16°♑45'32	
	-11335 May 06 j 00:17	0°♒	
asc. node	-11335 Jun 07 j 01:37	20°♒44'51	
	-11335 Jun 21 j 06:18	0°♓	
	-11335 Aug 05 j 21:58	0°♈	
	-11335 Sep 20 j 09:31	0°♉	
	-11335 Nov 05 j 21:47	0°♊	
	-11335 Dec 28 j 01:16	0°♋	
retrograde	-11334 Feb 20 j 17:43	15°♋57'30	
min. Earth dist.	-11334 Mar 21 j 15:04	11°♋11'22	0.38691 AU
opposition	-11334 Mar 24 j 11:09	10°♋24'25	2°41'46
greatest brilliancy	-11334 Mar 24 j 07:44	10°♋26'46	-2.9m
direct	-11334 Apr 23 j 18:45	5°♋15'54	
desc. node	-11334 Apr 28 j 04:38	5°♋23'32	
	-11334 Jul 05 j 10:02	0°♌	
	-11334 Aug 24 j 23:53	0°♍	
	-11334 Oct 11 j 08:21	0°♎	
	-11334 Nov 27 j 08:52	0°♏	
	-11333 Jan 13 j 15:30	0°♐	
evening set	-11333 Feb 18 j 03:57	22°♐31'55	
	-11333 Mar 01 j 21:23	0°♑	
max. Earth dist.	-11333 Mar 26 j 10:56	15°♑44'34	2.65122 AU
conjunction	-11333 Apr 07 j 02:46	23°♑16'30	-0°10'38
minimum elong	-11333 Apr 07 j 03:13	23°♑17'13	0°11'14
behind sun begin	-11333 Apr 06 j 13:04	22°♑54'20	
behind sun end	-11333 Apr 07 j 17:21	23°♑40'07	
	-11333 Apr 17 j 11:07	0°♒	
asc. node	-11333 Apr 24 j 19:02	4°♒47'16	
morning rise	-11333 May 24 j 02:22	24°♒10'10	
	-11333 Jun 01 j 19:02	0°♓	
	-11333 Jul 15 j 14:52	0°♈	
	-11333 Aug 27 j 01:15	0°♉	
	-11333 Oct 07 j 11:38	0°♊	
	-11333 Nov 17 j 14:59	0°♋	
	-11333 Dec 29 j 18:46	0°♌	
	-11332 Feb 14 j 10:48	0°♍	
desc. node	-11332 Mar 15 j 05:05	15°♍02'33	
retrograde	-11332 Apr 22 j 08:42	23°♍54'28	
min. Earth dist.	-11332 May 21 j 13:30	18°♍11'03	0.48430 AU
greatest brilliancy	-11332 May 28 j 06:43	15°♍47'48	-2.2m
opposition	-11332 May 29 j 13:13	15°♍20'34	-4°17'55
direct	-11332 Jul 02 j 01:40	8°♍21'22	
	-11332 Sep 09 j 15:16	0°♎	
	-11332 Nov 03 j 08:50	0°♏	
	-11332 Dec 23 j 14:28	0°♐	
	-11331 Feb 10 j 02:35	0°♑	
asc. node	-11331 Mar 11 j 15:51	18°♑45'47	
evening set	-11331 Mar 28 j 21:56	29°♑55'22	
	-11331 Mar 29 j 00:47	0°♒	
max. Earth dist.	-11331 Apr 21 j 07:50	15°♒20'37	2.58810 AU
	-11331 May 13 j 02:12	0°♓	
conjunction	-11331 May 17 j 01:24	2°♓42'27	0°39'07
minimum elong	-11331 May 16 j 23:52	2°♓39'48	0°38'47
	-11331 Jun 25 j 03:35	0°♈	
morning rise	-11331 Jul 05 j 17:42	7°♈35'09	
	-11331 Aug 05 j 09:37	0°♉	
	-11331 Sep 14 j 07:43	0°♊	
	-11331 Oct 23 j 14:37	0°♋	
	-11331 Dec 02 j 03:16	0°♌	
	-11330 Jan 12 j 01:50	0°♍	
desc. node	-11330 Jan 31 j 03:31	13°♍18'48	
	-11330 Feb 25 j 09:34	0°♎	
	-11330 Apr 20 j 21:17	0°♏	
retrograde	-11330 Jun 05 j 01:47	11°♏14'42	
min. Earth dist.	-11330 Jul 09 j 08:26	3°♏31'14	0.59664 AU
opposition	-11330 Jul 14 j 16:25	1°♏25'05	-5°25'08
greatest brilliancy	-11330 Jul 13 j 17:37	1°♏47'35	-1.6m
	-11330 Jul 18 j 07:49	30°℞♎	
direct	-11330 Aug 20 j 18:26	22°♎50'47	
	-11330 Sep 26 j 16:51	0°♏	
	-11330 Nov 29 j 21:33	0°♐	
	-11329 Jan 20 j 21:15	0°♑	
asc. node	-11329 Jan 27 j 17:09	4°♑08'22	
	-11329 Mar 10 j 00:41	0°♒	
	-11329 Apr 24 j 08:29	0°♓	
evening set	-11329 May 11 j 20:40	12°♓04'07	
max. Earth dist.	-11329 May 27 j 20:45	23°♓20'32	2.48103 AU
	-11329 Jun 06 j 04:03	0°♈	
conjunction	-11329 Jul 04 j 06:20	20°♈33'26	1°12'17
minimum elong	-11329 Jul 04 j 05:30	20°♈31'54	1°12'27

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11329 Jul 16 j 21:23	0°♉	
	-11329 Aug 25 j 03:30	0°♊	
morning rise	-11329 Aug 30 j 11:00	4°♊06'52	
	-11329 Oct 02 j 17:23	0°♋	
	-11329 Nov 10 j 11:44	0°♌	
desc. node	-11329 Dec 18 j 21:26	28°♌55'31	
	-11329 Dec 20 j 08:25	0°♍	
	-11328 Jan 31 j 07:19	0°♎	
	-11328 Mar 16 j 17:50	0°♏	
	-11328 May 08 j 18:05	0°♐	
retrograde	-11328 Jul 10 j 15:58	18°♐35'26	
min. Earth dist.	-11328 Aug 18 j 01:38	9°♐22'13	0.65763 AU
opposition	-11328 Aug 19 j 14:57	8°♐44'38	-4°04'48
greatest brilliancy	-11328 Aug 19 j 10:30	8°♐49'06	-1.4m
	-11328 Sep 17 j 08:52	30°℞♏	
direct	-11328 Sep 28 j 02:34	29°♏15'10	
	-11328 Oct 09 j 06:38	0°♐	
asc. node	-11328 Dec 14 j 22:24	24°♐01'56	
	-11328 Dec 26 j 10:38	0°♑	
	-11327 Feb 16 j 08:11	0°♒	
	-11327 Apr 03 j 19:56	0°♓	
	-11327 May 16 j 21:59	0°♈	
	-11327 Jun 26 j 12:50	0°♉	
evening set	-11327 Jul 03 j 15:27	5°♉23'48	
	-11327 Aug 04 j 13:04	0°♊	
max. Earth dist.	-11327 Aug 31 j 14:32	21°♊10'39	2.38264 AU
conjunction	-11327 Sep 02 j 08:03	22°♊32'03	0°45'16
minimum elong	-11327 Sep 02 j 11:20	22°♊38'30	0°45'51
	-11327 Sep 11 j 20:31	0°♋	
	-11327 Oct 20 j 09:02	0°♌	
desc. node	-11327 Nov 04 j 14:07	11°♌39'28	
morning rise	-11327 Nov 06 j 04:49	12°♌53'04	
	-11327 Nov 28 j 23:07	0°♍	
	-11326 Jan 09 j 08:53	0°♎	
	-11326 Feb 22 j 05:51	0°♏	
	-11326 Apr 10 j 11:00	0°♐	
	-11326 Jun 02 j 21:36	0°♑	
retrograde	-11326 Aug 15 j 01:25	22°♑53'27	
opposition	-11326 Sep 23 j 05:07	13°♑33'34	-1°35'47
greatest brilliancy	-11326 Sep 23 j 08:38	13°♑30'04	-1.4m
min. Earth dist.	-11326 Sep 25 j 09:49	12°♑41'03	0.65728 AU
direct	-11326 Nov 02 j 22:34	3°♑37'15	
asc. node	-11326 Nov 02 j 03:45	3°♑37'29	
	-11325 Jan 21 j 09:11	0°♒	
	-11325 Mar 13 j 02:01	0°♓	
	-11325 Apr 26 j 11:02	0°♈	
	-11325 Jun 06 j 12:30	0°♉	
	-11325 Jul 15 j 16:32	0°♊	
	-11325 Aug 23 j 02:01	0°♋	
evening set	-11325 Sep 06 j 09:42	11°♋11'08	
desc. node	-11325 Sep 22 j 10:25	23°♋37'52	
	-11325 Sep 30 j 16:40	0°♌	
conjunction	-11325 Nov 07 j 03:53	28°♌21'20	-0°33'02
minimum elong	-11325 Nov 07 j 01:28	28°♌16'52	0°32'39
	-11325 Nov 09 j 09:03	0°♍	
max. Earth dist.	-11325 Dec 20 j 00:55	29°♍27'50	2.48040 AU
	-11325 Dec 20 j 19:07	0°♎	
morning rise	-11324 Jan 05 j 18:12	11°♎10'38	
	-11324 Feb 02 j 08:17	0°♏	
	-11324 Mar 19 j 04:56	0°♐	
	-11324 May 06 j 16:11	0°♑	
	-11324 Jun 28 j 14:59	0°♒	
asc. node	-11324 Sep 19 j 05:55	28°♒51'21	
retrograde	-11324 Sep 22 j 04:40	28°♒54'37	
opposition	-11324 Oct 29 j 12:01	20°♒31'25	1°45'41
greatest brilliancy	-11324 Oct 29 j 19:45	20°♒24'01	-1.7m
min. Earth dist.	-11324 Nov 04 j 06:53	18°♒18'32	0.59629 AU
direct	-11324 Dec 09 j 00:03	10°♒44'00	
	-11323 Feb 10 j 01:55	0°♓	
	-11323 Apr 01 j 10:57	0°♈	
	-11323 May 14 j 09:59	0°♉	
	-11323 Jun 23 j 11:43	0°♊	
	-11323 Aug 01 j 11:59	0°♋	
desc. node	-11323 Aug 09 j 11:07	6°♋08'12	
	-11323 Sep 09 j 15:24	0°♌	
	-11323 Oct 19 j 19:28	0°♍	
evening set	-11323 Nov 05 j 07:29	11°♍59'42	
	-11323 Nov 30 j 15:10	0°♎	
conjunction	-11323 Dec 30 j 10:33	20°♎35'07	-1°13'03
minimum elong	-11323 Dec 30 j 09:38	20°♎33'33	1°13'14
	-11322 Jan 13 j 08:59	0°♏	
max. Earth dist.	-11322 Jan 25 j 04:14	7°♏52'34	2.58932 AU
morning rise	-11322 Feb 20 j 16:15	25°♏16'50	
	-11322 Feb 27 j 22:59	0°♐	
	-11322 Apr 16 j 01:13	0°♑	
	-11322 Jun 03 j 12:01	0°♒	
	-11322 Jul 24 j 04:22	0°♓	
asc. node	-11322 Aug 07 j 03:18	7°♓48'18	
	-11322 Sep 20 j 20:42	0°♈	
retrograde	-11322 Nov 11 j 11:01	12°♈48'41	
opposition	-11322 Dec 15 j 12:00	6°♈00'24	5°39'30
greatest brilliancy	-11322 Dec 16 j 23:44	5°♈29'53	-2.2m
min. Earth dist.	-11322 Dec 23 j 14:16	3°♈15'03	0.48565 AU
	-11321 Jan 03 j 15:13	30°℞♓	
direct	-11321 Jan 22 j 03:48	27°♓40'21	
	-11321 Feb 09 j 23:47	0°♈	
	-11321 Apr 14 j 13:37	0°♉	
	-11321 May 28 j 23:51	0°♊	
desc. node	-11321 Jun 27 j 14:28	21°♊27'02	
	-11321 Jul 09 j 05:23	0°♋	
	-11321 Aug 18 j 22:15	0°♌	
	-11321 Sep 29 j 07:53	0°♍	
	-11321 Nov 11 j 02:47	0°♎	
evening set	-11321 Dec 24 j 06:41	29°♎10'07	
	-11321 Dec 25 j 12:44	0°♏	
	-11320 Feb 09 j 09:21	0°♐	
conjunction	-11320 Feb 12 j 11:30	1°♐59'45	-1°05'04
minimum elong	-11320 Feb 12 j 12:55	2°♐02'01	1°05'35
max. Earth dist.	-11320 Feb 21 j 02:56	7°♐34'00	2.65213 AU
	-11320 Mar 27 j 03:31	0°♑	
morning rise	-11320 Mar 31 j 15:19	2°♑51'59	
	-11320 May 13 j 04:11	0°♒	
asc. node	-11320 Jun 23 j 20:31	26°♒38'16	
	-11320 Jun 29 j 02:41	0°♓	
	-11320 Aug 15 j 03:52	0°♈	
	-11320 Oct 02 j 12:06	0°♉	
	-11320 Nov 25 j 20:49	0°♊	
retrograde	-11319 Jan 21 j 06:10	15°♊50'56	
opposition	-11319 Feb 20 j 22:07	10°♊42'55	5°47'52
greatest brilliancy	-11319 Feb 21 j 14:31	10°♊31'50	-2.8m
min. Earth dist.	-11319 Feb 23 j 08:32	10°♊03'30	0.38764 AU
direct	-11319 Mar 24 j 04:49	5°♊20'42	
desc. node	-11319 May 14 j 20:30	19°♊56'21	
	-11319 Jun 02 j 21:16	0°♋	
	-11319 Jul 21 j 12:53	0°♌	
	-11319 Sep 04 j 22:24	0°♍	
	-11319 Oct 20 j 03:32	0°♎	
	-11319 Dec 05 j 01:43	0°♏	
	-11318 Jan 20 j 18:35	0°♐	
evening set	-11318 Feb 02 j 21:47	8°♐23'04	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11318 Mar 08 j 18:32	0°♉	
max. Earth dist.	-11318 Mar 16 j 22:41	5°♉13'50	2.66193 AU
conjunction	-11318 Mar 23 j 00:26	9°♉07'30	-0°28'52
minimum elong	-11318 Mar 23 j 01:31	9°♉09'14	0°29'29
	-11318 Apr 24 j 08:41	0°♒	
morning rise	-11318 May 08 j 19:39	9°♒25'37	
asc. node	-11318 May 11 j 12:34	11°♒11'56	
	-11318 Jun 08 j 23:08	0°♓	
	-11318 Jul 23 j 08:00	0°♈	
	-11318 Sep 04 j 14:39	0°♉	
	-11318 Oct 17 j 05:32	0°♊	
	-11318 Nov 29 j 03:00	0°♋	
	-11317 Jan 13 j 17:46	0°♌	
	-11317 Mar 26 j 03:41	0°♍	
retrograde	-11317 Apr 02 j 07:45	0°♍21'39	
desc. node	-11317 Apr 02 j 00:07	0°♍21'37	
	-11317 Apr 09 j 09:22	30°℞♌	
min. Earth dist.	-11317 Apr 29 j 22:16	25°♌22'41	0.43617 AU
opposition	-11317 May 07 j 12:31	22°♌54'55	-2°25'20
greatest brilliancy	-11317 May 06 j 18:35	23°♌09'34	-2.5m
direct	-11317 Jun 08 j 12:22	16°♌45'37	
	-11317 Jul 29 j 10:38	0°♍	
	-11317 Sep 24 j 11:01	0°♎	
	-11317 Nov 13 j 15:41	0°♏	
	-11316 Jan 01 j 08:38	0°♐	
	-11316 Feb 18 j 05:43	0°♑	
evening set	-11316 Mar 13 j 06:35	15°♑19'07	
asc. node	-11316 Mar 28 j 07:39	25°♑01'27	
	-11316 Apr 04 j 23:12	0°♒	
max. Earth dist.	-11316 Apr 10 j 08:01	3°♒30'30	2.61868 AU
conjunction	-11316 Apr 30 j 15:40	16°♒55'57	0°20'10
minimum elong	-11316 Apr 30 j 14:50	16°♒54'35	0°19'41
	-11316 May 20 j 02:06	0°♓	
morning rise	-11316 Jun 17 j 19:30	19°♓45'48	
	-11316 Jul 02 j 09:09	0°♈	
	-11316 Aug 12 j 23:59	0°♉	
	-11316 Sep 22 j 08:50	0°♊	
	-11316 Nov 01 j 03:48	0°♋	
	-11316 Dec 11 j 07:20	0°♌	
	-11315 Jan 22 j 06:48	0°♍	
desc. node	-11315 Feb 16 j 22:10	16°♍58'32	
	-11315 Mar 10 j 12:32	0°♎	
retrograde	-11315 May 20 j 08:12	24°♎41'53	
min. Earth dist.	-11315 Jun 21 j 16:19	17°♎42'57	0.55731 AU
greatest brilliancy	-11315 Jun 27 j 03:05	15°♎37'22	-1.8m
opposition	-11315 Jun 28 j 08:29	15°♎09'04	-5°25'14
direct	-11315 Aug 03 j 04:14	7°♎06'20	
	-11315 Oct 15 j 09:23	0°♏	
	-11315 Dec 09 j 13:57	0°♐	
	-11314 Jan 28 j 17:48	0°♑	
asc. node	-11314 Feb 13 j 07:38	9°♑39'57	
	-11314 Mar 17 j 06:41	0°♒	
evening set	-11314 Apr 23 j 22:23	24°♒53'46	
	-11314 May 01 j 10:52	0°♓	
max. Earth dist.	-11314 May 11 j 14:37	6°♓58'07	2.52704 AU
	-11314 Jun 13 j 07:54	0°♈	
conjunction	-11314 Jun 14 j 05:30	0°♈38'45	1°03'45
minimum elong	-11314 Jun 14 j 03:42	0°♈35'31	1°03'42
	-11314 Jul 24 j 05:19	0°♉	
morning rise	-11314 Aug 06 j 19:59	10°♉15'10	
	-11314 Sep 01 j 16:25	0°♊	
	-11314 Oct 10 j 11:12	0°♋	
	-11314 Nov 18 j 10:23	0°♌	
	-11314 Dec 28 j 13:05	0°♍	
desc. node	-11313 Jan 04 j 17:06	5°♍12'41	
	-11313 Feb 09 j 00:17	0°♎	
	-11313 Mar 27 j 23:41	0°♏	
	-11313 May 29 j 19:34	0°♐	
retrograde	-11313 Jun 27 j 20:57	4°♐54'11	
	-11313 Jul 24 j 19:36	30°℞♏	
min. Earth dist.	-11313 Aug 03 j 19:49	26°♏11'54	0.64102 AU
opposition	-11313 Aug 06 j 20:40	24°♏58'47	-4°46'13
greatest brilliancy	-11313 Aug 06 j 09:42	25°♏09'48	-1.5m
direct	-11313 Sep 14 j 13:08	15°♏47'09	
	-11313 Nov 08 j 21:14	0°♐	
asc. node	-11312 Jan 01 j 11:54	27°♐08'42	
	-11312 Jan 06 j 13:02	0°♑	
	-11312 Feb 25 j 10:31	0°♒	
	-11312 Apr 11 j 08:09	0°♓	
	-11312 May 24 j 06:28	0°♈	
evening set	-11312 Jun 11 j 04:30	13°♈03'01	
	-11312 Jul 03 j 21:39	0°♉	
max. Earth dist.	-11312 Jul 05 j 18:13	1°♉24'14	2.40932 AU
conjunction	-11312 Aug 07 j 22:58	26°♉52'30	1°05'35
minimum elong	-11312 Aug 08 j 01:19	26°♉57'04	1°06'05
	-11312 Aug 11 j 23:30	0°♊	
	-11312 Sep 19 j 08:31	0°♋	
morning rise	-11312 Oct 09 j 23:56	16°♋07'10	
	-11312 Oct 27 j 22:08	0°♌	
desc. node	-11312 Nov 21 j 10:45	18°♌42'12	
	-11312 Dec 06 j 13:05	0°♍	
	-11311 Jan 17 j 01:03	0°♎	
	-11311 Mar 02 j 06:17	0°♏	
	-11311 Apr 19 j 16:17	0°♐	
	-11311 Jun 18 j 08:37	0°♑	
retrograde	-11311 Aug 01 j 03:35	9°♑47'06	
opposition	-11311 Sep 09 j 18:02	0°♑12'13	-2°40'05
greatest brilliancy	-11311 Sep 09 j 20:20	0°♑09'54	-1.4m
	-11311 Sep 10 j 06:13	30°℞♐	
min. Earth dist.	-11311 Sep 10 j 12:01	29°♐54'11	0.66484 AU
direct	-11311 Oct 20 j 03:31	20°♐23'03	
asc. node	-11311 Nov 18 j 18:18	25°♐08'48	
	-11311 Dec 03 j 00:04	0°♑	
	-11310 Feb 01 j 09:05	0°♒	
	-11310 Mar 21 j 17:39	0°♓	
	-11310 May 04 j 10:17	0°♈	
	-11310 Jun 14 j 05:53	0°♉	
	-11310 Jul 23 j 07:20	0°♊	
evening set	-11310 Aug 11 j 13:22	15°♊02'47	
	-11310 Aug 30 j 15:00	0°♋	
	-11310 Oct 08 j 03:48	0°♌	
desc. node	-11310 Oct 09 j 04:38	0°♌47'50	
conjunction	-11310 Oct 13 j 09:19	4°♌01'21	-0°03'14
minimum elong	-11310 Oct 13 j 09:03	4°♌00'50	0°02'40
behind sun begin	-11310 Oct 12 j 06:31	3°♌09'54	
behind sun end	-11310 Oct 14 j 11:35	4°♌51'42	
	-11310 Nov 16 j 18:05	0°♍	
max. Earth dist.	-11310 Nov 26 j 13:36	7°♍15'06	2.43142 AU
morning rise	-11310 Dec 15 j 02:28	20°♍43'40	
	-11310 Dec 28 j 02:27	0°♎	
	-11309 Feb 09 j 16:16	0°♏	
	-11309 Mar 27 j 20:18	0°♐	
	-11309 May 16 j 10:45	0°♑	
	-11309 Jul 13 j 06:44	0°♒	
retrograde	-11309 Sep 07 j 03:22	14°♒32'11	
asc. node	-11309 Oct 06 j 21:59	8°♒53'32	
opposition	-11309 Oct 15 j 07:39	5°♒43'04	0°21'26
greatest brilliancy	-11309 Oct 15 j 08:52	5°♒41'52	-1.6m
min. Earth dist.	-11309 Oct 19 j 17:56	3°♒59'12	0.62736 AU

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11309 Oct 30 j 18:29	30°℞♉	
direct	-11309 Nov 25 j 03:28	25°♉45'57	
	-11309 Dec 22 j 08:57	0°♒	
	-11308 Feb 24 j 14:45	0°♓	
	-11308 Apr 11 j 08:23	0°♈	
	-11308 May 23 j 06:06	0°♉	
	-11308 Jul 01 j 19:56	0°♊	
	-11308 Aug 09 j 12:00	0°♋	
desc. node	-11308 Aug 26 j 03:46	12°♋55'19	
	-11308 Sep 17 j 08:27	0°♌	
evening set	-11308 Oct 14 j 01:27	20°♌11'55	
	-11308 Oct 27 j 06:11	0°♍	
	-11308 Dec 07 j 20:31	0°♎	
conjunction	-11308 Dec 10 j 21:45	2°♎08'46	-1°04'16
minimum elong	-11308 Dec 10 j 19:35	2°♎04'57	1°04'13
max. Earth dist.	-11307 Jan 12 j 18:41	24°♎49'03	2.55147 AU
	-11307 Jan 20 j 10:57	0°♏	
morning rise	-11307 Feb 03 j 15:50	9°♏28'53	
	-11307 Mar 07 j 01:18	0°♐	
	-11307 Apr 23 j 11:46	0°♑	
	-11307 Jun 12 j 01:02	0°♒	
	-11307 Aug 05 j 07:05	0°♓	
asc. node	-11307 Aug 23 j 20:42	8°♓51'30	
retrograde	-11307 Oct 20 j 19:40	24°♓21'12	
opposition	-11307 Nov 25 j 08:55	16°♓49'53	4°09'28
greatest brilliancy	-11307 Nov 26 j 09:07	16°♓27'57	-1.9m
min. Earth dist.	-11307 Dec 02 j 22:33	14°♓05'36	0.53344 AU
direct	-11306 Jan 03 j 14:39	7°♓41'16	
	-11306 Mar 11 j 10:13	0°♈	
	-11306 Apr 27 j 22:59	0°♉	
	-11306 Jun 08 j 17:06	0°♊	
desc. node	-11306 Jul 14 j 07:50	26°♊42'32	
	-11306 Jul 18 j 16:24	0°♋	
	-11306 Aug 27 j 13:03	0°♌	
	-11306 Oct 07 j 07:09	0°♍	
	-11306 Nov 18 j 14:01	0°♎	
evening set	-11306 Dec 06 j 10:18	12°♎17'47	
	-11305 Jan 01 j 15:31	0°♏	
conjunction	-11305 Jan 27 j 04:47	16°♏53'45	-1°12'29
minimum elong	-11305 Jan 27 j 05:36	16°♏55'06	1°12'55
max. Earth dist.	-11305 Feb 11 j 06:56	26°♏44'12	2.63361 AU
	-11305 Feb 16 j 07:45	0°♐	
morning rise	-11305 Mar 17 j 14:23	18°♐49'36	
	-11305 Apr 04 j 02:58	0°♑	
	-11305 May 21 j 12:58	0°♒	
	-11305 Jul 08 j 10:56	0°♓	
asc. node	-11305 Jul 11 j 15:01	1°♓57'57	
	-11305 Aug 26 j 17:59	0°♈	
	-11305 Oct 20 j 13:26	0°♉	
retrograde	-11305 Dec 22 j 11:09	18°♉23'33	
opposition	-11304 Jan 23 j 03:06	12°♉48'15	6°55'38
greatest brilliancy	-11304 Jan 24 j 15:48	12°♉21'07	-2.6m
min. Earth dist.	-11304 Jan 29 j 10:03	10°♉57'29	0.41565 AU
direct	-11304 Feb 25 j 20:40	6°♉21'14	
	-11304 May 03 j 14:01	0°♊	
desc. node	-11304 May 31 j 12:38	17°♊11'50	
	-11304 Jun 19 j 20:05	0°♋	
	-11304 Aug 02 j 07:53	0°♌	
	-11304 Sep 14 j 10:53	0°♍	
	-11304 Oct 28 j 09:13	0°♎	
	-11304 Dec 12 j 13:04	0°♏	
evening set	-11303 Jan 18 j 05:43	23°♏50'09	
	-11303 Jan 27 j 19:34	0°♐	
conjunction	-11303 Mar 07 j 21:14	25°♐01'55	-0°45'12
minimum elong	-11303 Mar 07 j 22:43	25°♐04'17	0°45'48
max. Earth dist.	-11303 Mar 07 j 09:34	24°♐43'15	2.66441 AU
	-11303 Mar 15 j 15:34	0°♑	
morning rise	-11303 Apr 23 j 22:14	25°♑12'49	
	-11303 May 01 j 08:08	0°♒	
asc. node	-11303 May 28 j 07:08	17°♒30'57	
	-11303 Jun 16 j 07:55	0°♓	
	-11303 Jul 31 j 10:54	0°♈	
	-11303 Sep 13 j 23:14	0°♉	
	-11303 Oct 28 j 13:57	0°♊	
	-11303 Dec 14 j 07:03	0°♋	
	-11302 Feb 14 j 19:26	0°♌	
retrograde	-11302 Mar 08 j 15:26	3°♌04'04	
	-11302 Mar 30 j 12:23	30°℞♋	
min. Earth dist.	-11302 Apr 05 j 05:01	28°♋26'47	0.39856 AU
opposition	-11302 Apr 10 j 10:57	26°♋55'55	0°37'51
greatest brilliancy	-11302 Apr 10 j 08:42	26°♋57'32	-2.8m
desc. node	-11302 Apr 18 j 16:23	24°♋39'20	
direct	-11302 May 11 j 01:39	21°♋33'05	
	-11302 Jun 19 j 01:15	0°♌	
	-11302 Aug 16 j 21:38	0°♍	
	-11302 Oct 05 j 06:00	0°♎	
	-11302 Nov 22 j 03:04	0°♏	
	-11301 Jan 08 j 19:42	0°♐	
	-11301 Feb 25 j 06:05	0°♑	
evening set	-11301 Feb 26 j 22:35	1°♑04'27	
max. Earth dist.	-11301 Apr 01 j 05:56	22°♑26'51	2.64173 AU
	-11301 Apr 12 j 20:56	0°♒	
conjunction	-11301 Apr 15 j 22:50	2°♒00'36	0°00'33
minimum elong	-11301 Apr 15 j 22:51	2°♒00'38	0°00'01
behind sun begin	-11301 Apr 15 j 14:32	1°♒47'05	
behind sun end	-11301 Apr 16 j 07:10	2°♒14'10	
asc. node	-11301 Apr 15 j 00:59	1°♒24'56	
	-11301 May 28 j 03:00	0°♓	
morning rise	-11301 Jun 02 j 05:17	3°♓26'44	
	-11301 Jul 10 j 18:10	0°♈	
	-11301 Aug 21 j 21:02	0°♉	
	-11301 Oct 01 j 21:06	0°♊	
	-11301 Nov 11 j 10:12	0°♋	
	-11301 Dec 22 j 14:44	0°♌	
	-11300 Feb 04 j 16:50	0°♍	
desc. node	-11300 Mar 05 j 17:16	17°♍40'40	
	-11300 Apr 01 j 22:46	0°♎	
retrograde	-11300 May 03 j 01:52	6°♎04'29	
min. Earth dist.	-11300 Jun 02 j 08:44	29°♍54'31	0.51120 AU
	-11300 Jun 02 j 02:37	30°℞♍	
greatest brilliancy	-11300 Jun 08 j 17:38	27°♍33'58	-2.1m
opposition	-11300 Jun 10 j 01:59	27°♍04'08	-4°54'57
direct	-11300 Jul 14 j 10:53	19°♍40'22	
	-11300 Aug 28 j 07:41	0°♎	
	-11300 Oct 27 j 17:08	0°♏	
	-11300 Dec 18 j 06:00	0°♐	
	-11299 Feb 05 j 06:07	0°♑	
asc. node	-11299 Mar 01 j 23:03	15°♑34'26	
	-11299 Mar 24 j 09:13	0°♒	
evening set	-11299 Apr 07 j 03:54	9°♒01'02	
max. Earth dist.	-11299 Apr 28 j 05:54	23°♒03'49	2.56789 AU
	-11299 May 08 j 11:41	0°♓	
conjunction	-11299 May 26 j 22:32	12°♓42'01	0°49'11
minimum elong	-11299 May 26 j 20:43	12°♓38'52	0°48'55
	-11299 Jun 20 j 11:36	0°♈	
morning rise	-11299 Jul 16 j 19:01	19°♈03'19	
	-11299 Jul 31 j 14:28	0°♉	
	-11299 Sep 09 j 08:26	0°♊	
	-11299 Oct 18 j 10:23	0°♋	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11299 Nov 26 j 17:10	0°♌	
	-11298 Jan 06 j 06:17	0°♍	
desc. node	-11298 Jan 21 j 13:07	10°♍52'30	
	-11298 Feb 18 j 15:32	0°♎	
	-11298 Apr 09 j 20:20	0°♏	
retrograde	-11298 Jun 13 j 14:45	20°♏25'37	
min. Earth dist.	-11298 Jul 18 j 21:29	12°♏19'46	0.61493 AU
opposition	-11298 Jul 23 j 10:00	10°♏31'55	-5°15'31
greatest brilliancy	-11298 Jul 22 j 15:30	10°♏50'19	-1.6m
direct	-11298 Aug 30 j 03:08	1°♏42'51	
	-11298 Nov 22 j 18:13	0°♐	
	-11297 Jan 15 j 10:32	0°♑	
asc. node	-11297 Jan 18 j 02:17	1°♑34'41	
	-11297 Mar 05 j 03:10	0°♒	
	-11297 Apr 19 j 15:55	0°♓	
evening set	-11297 May 22 j 16:31	22°♓57'33	
	-11297 Jun 01 j 12:46	0°♈	
max. Earth dist.	-11297 Jun 08 j 03:52	4°♈47'26	2.45452 AU
	-11297 Jul 12 j 05:28	0°♉	
conjunction	-11297 Jul 16 j 12:54	3°♉15'11	1°13'10
minimum elong	-11297 Jul 16 j 13:06	3°♉15'34	1°13'28
	-11297 Aug 20 j 09:56	0°♊	
morning rise	-11297 Sep 13 j 23:40	19°♊08'04	
	-11297 Sep 27 j 21:30	0°♋	
	-11297 Nov 05 j 13:20	0°♌	
desc. node	-11297 Dec 09 j 06:08	25°♌31'31	
	-11297 Dec 15 j 06:47	0°♍	
	-11296 Jan 25 j 23:43	0°♎	
	-11296 Mar 10 j 19:32	0°♏	
	-11296 Apr 30 j 10:03	0°♐	
retrograde	-11296 Jul 18 j 12:32	26°♐40'50	
opposition	-11296 Aug 27 j 09:45	16°♐54'43	-3°36'11
greatest brilliancy	-11296 Aug 27 j 08:19	16°♐56'09	-1.4m
min. Earth dist.	-11296 Aug 26 j 16:30	17°♐12'04	0.66296 AU
direct	-11296 Oct 06 j 06:31	7°♐17'03	
asc. node	-11296 Dec 05 j 07:35	23°♐35'44	
	-11296 Dec 18 j 19:33	0°♑	
	-11295 Feb 10 j 17:34	0°♒	
	-11295 Mar 29 j 19:17	0°♓	
	-11295 May 12 j 02:35	0°♈	
	-11295 Jun 21 j 19:26	0°♉	
evening set	-11295 Jul 17 j 04:25	19°♉24'04	
	-11295 Jul 30 j 20:15	0°♊	
	-11295 Sep 07 j 03:26	0°♋	
conjunction	-11295 Sep 17 j 03:22	7°♋50'00	0°29'07
minimum elong	-11295 Sep 17 j 05:56	7°♋55'01	0°29'42
max. Earth dist.	-11295 Oct 15 j 08:35	29°♋46'59	2.38999 AU
	-11295 Oct 15 j 15:20	0°♌	
desc. node	-11295 Oct 26 j 01:01	7°♌59'41	
morning rise	-11295 Nov 20 j 22:05	27°♌34'01	
	-11295 Nov 24 j 04:26	0°♍	
	-11294 Jan 04 j 12:08	0°♎	
	-11294 Feb 17 j 04:35	0°♏	
	-11294 Apr 04 j 20:57	0°♐	
	-11294 May 26 j 09:07	0°♑	
	-11294 Aug 10 j 16:03	0°♒	
retrograde	-11294 Aug 23 j 06:31	0°♒57'22	
	-11294 Sep 04 j 08:51	30°℞♑	
opposition	-11294 Oct 01 j 03:21	21°♑47'22	-0°54'54
greatest brilliancy	-11294 Oct 01 j 06:07	21°♑44'37	-1.5m
min. Earth dist.	-11294 Oct 04 j 03:39	20°♑35'44	0.64921 AU
asc. node	-11294 Oct 23 j 12:11	14°♑03'49	
direct	-11294 Nov 10 j 23:31	11°♑49'01	
	-11293 Jan 12 j 19:37	0°♒	
	-11293 Mar 07 j 02:26	0°♓	
	-11293 Apr 21 j 03:47	0°♈	
	-11293 Jun 01 j 11:43	0°♉	
	-11293 Jul 10 j 19:02	0°♊	
	-11293 Aug 18 j 06:28	0°♋	
desc. node	-11293 Sep 12 j 21:57	19°♋57'22	
evening set	-11293 Sep 20 j 17:47	26°♋00'04	
	-11293 Sep 25 j 22:34	0°♌	
	-11293 Nov 04 j 16:00	0°♍	
conjunction	-11293 Nov 20 j 07:12	11°♍29'09	-0°46'49
minimum elong	-11293 Nov 20 j 04:25	11°♍24'06	0°46'33
	-11293 Dec 16 j 02:20	0°♎	
max. Earth dist.	-11293 Dec 30 j 01:17	9°♎47'07	2.50681 AU
morning rise	-11292 Jan 17 j 02:40	22°♎13'03	
	-11292 Jan 28 j 14:36	0°♏	
	-11292 Mar 14 j 07:09	0°♐	
	-11292 May 01 j 06:28	0°♑	
	-11292 Jun 21 j 13:53	0°♒	
	-11292 Aug 23 j 10:02	0°♓	
asc. node	-11292 Sep 09 j 12:51	5°♓09'43	
retrograde	-11292 Oct 02 j 00:06	8°♓01'00	
opposition	-11292 Nov 07 j 18:25	29°♒54'26	2°36'58
	-11292 Nov 07 j 12:30	30°℞♒	
greatest brilliancy	-11292 Nov 08 j 07:24	29°♒42'12	-1.8m
min. Earth dist.	-11292 Nov 14 j 06:36	27°♒27'22	0.57591 AU
direct	-11292 Dec 17 j 23:09	20°♒16'36	
	-11291 Jan 29 j 00:11	0°♓	
	-11291 Mar 25 j 11:42	0°♈	
	-11291 May 08 j 12:25	0°♉	
	-11291 Jun 18 j 01:05	0°♊	
	-11291 Jul 27 j 07:36	0°♋	
desc. node	-11291 Jul 30 j 23:07	2°♋47'45	
	-11291 Sep 04 j 15:39	0°♌	
	-11291 Oct 14 j 23:26	0°♍	
evening set	-11291 Nov 17 j 02:06	23°♍47'48	
	-11291 Nov 25 j 21:48	0°♎	
	-11290 Jan 08 j 17:18	0°♏	
conjunction	-11290 Jan 09 j 21:28	0°♏47'12	-1°14'40
minimum elong	-11290 Jan 09 j 21:16	0°♏46'52	1°14'57
max. Earth dist.	-11290 Jan 31 j 17:59	15°♏17'30	2.60721 AU
	-11290 Feb 23 j 06:55	0°♐	
morning rise	-11290 Mar 01 j 23:48	4°♐19'52	
	-11290 Apr 11 j 05:22	0°♑	
	-11290 May 29 j 04:59	0°♒	
	-11290 Jul 17 j 14:37	0°♓	
asc. node	-11290 Jul 28 j 09:04	6°♓19'43	
	-11290 Sep 09 j 04:13	0°♈	
retrograde	-11290 Nov 25 j 04:35	24°♈56'03	
opposition	-11290 Dec 28 j 08:08	18°♈33'35	6°21'35
greatest brilliancy	-11290 Dec 30 j 00:01	18°♈00'55	-2.3m
min. Earth dist.	-11289 Jan 05 j 05:52	15°♈58'58	0.45933 AU
direct	-11289 Feb 02 j 18:58	10°♈49'08	
	-11289 Apr 03 j 10:29	0°♉	
	-11289 May 21 j 09:47	0°♊	
desc. node	-11289 Jun 18 j 03:47	19°♊26'00	
	-11289 Jul 02 j 20:53	0°♋	
	-11289 Aug 13 j 06:01	0°♌	
	-11289 Sep 24 j 02:29	0°♍	
	-11289 Nov 06 j 04:36	0°♎	
	-11289 Dec 20 j 19:24	0°♏	
evening set	-11288 Jan 02 j 23:26	8°♏40'26	
	-11288 Feb 04 j 18:30	0°♐	
conjunction	-11288 Feb 21 j 12:22	10°♐46'44	-0°58'46
minimum elong	-11288 Feb 21 j 13:55	10°♐49'13	0°59'21
max. Earth dist.	-11288 Feb 26 j 18:51	14°♐09'41	2.65878 AU

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11288 Mar 22 j 12:40	0°♉	
morning rise	-11288 Apr 09 j 04:13	11°♉16'51	
	-11288 May 08 j 09:45	0°♒	
asc. node	-11288 Jun 14 j 02:06	23°♒37'28	
	-11288 Jun 23 j 22:33	0°♓	
	-11288 Aug 09 j 03:32	0°♈	
	-11288 Sep 24 j 15:54	0°♉	
	-11288 Nov 12 j 10:30	0°♊	
	-11287 Jan 16 j 04:47	0°♋	
retrograde	-11287 Feb 07 j 16:39	3°♋06'40	
	-11287 Mar 02 j 14:17	30°℞♊	
opposition	-11287 Mar 10 j 17:55	27°♊51'53	4°13'01
min. Earth dist.	-11287 Mar 10 j 05:30	28°♊00'16	0.38357 AU
greatest brilliancy	-11287 Mar 10 j 20:47	27°♊49'57	-2.9m
direct	-11287 Apr 10 j 06:35	22°♊44'19	
desc. node	-11287 May 05 j 08:49	26°♊36'06	
	-11287 May 15 j 12:34	0°♋	
	-11287 Jul 12 j 15:58	0°♌	
	-11287 Aug 29 j 08:44	0°♍	
	-11287 Oct 14 j 14:32	0°♎	
	-11287 Nov 30 j 01:45	0°♏	
	-11286 Jan 16 j 01:24	0°♐	
evening set	-11286 Feb 11 j 17:00	16°♐57'00	
	-11286 Mar 04 j 04:25	0°♉	
max. Earth dist.	-11286 Mar 22 j 12:48	11°♉44'52	2.65706 AU
conjunction	-11286 Mar 31 j 16:15	17°♉37'53	-0°18'30
minimum elong	-11286 Mar 31 j 16:59	17°♉39'05	0°19'06
	-11286 Apr 19 j 18:44	0°♒	
asc. node	-11286 May 01 j 18:55	7°♒50'24	
morning rise	-11286 May 17 j 12:32	18°♒11'51	
	-11286 Jun 04 j 05:59	0°♓	
	-11286 Jul 18 j 08:00	0°♈	
	-11286 Aug 30 j 03:04	0°♉	
	-11286 Oct 11 j 00:56	0°♊	
	-11286 Nov 21 j 19:18	0°♋	
	-11285 Jan 04 j 00:53	0°♌	
	-11285 Feb 23 j 04:51	0°♍	
desc. node	-11285 Mar 23 j 09:59	11°♍18'09	
retrograde	-11285 Apr 14 j 15:53	14°♍35'40	
min. Earth dist.	-11285 May 13 j 01:39	9°♍13'47	0.46230 AU
greatest brilliancy	-11285 May 19 j 23:10	6°♍51'56	-2.4m
opposition	-11285 May 21 j 02:01	6°♍28'49	-3°38'11
	-11285 Jun 18 j 06:34	30°℞♌	
direct	-11285 Jun 22 j 21:12	29°♌51'25	
	-11285 Jun 27 j 13:50	0°♍	
	-11285 Sep 16 j 09:15	0°♎	
	-11285 Nov 07 j 18:41	0°♏	
	-11285 Dec 27 j 06:47	0°♐	
	-11284 Feb 13 j 12:13	0°♉	
asc. node	-11284 Mar 18 j 15:14	21°♉44'33	
evening set	-11284 Mar 22 j 04:37	24°♉02'22	
	-11284 Mar 31 j 09:04	0°♒	
max. Earth dist.	-11284 Apr 16 j 15:20	10°♒40'07	2.60281 AU
conjunction	-11284 May 09 j 22:09	26°♒13'19	0°31'13
minimum elong	-11284 May 09 j 20:54	26°♒11'12	0°30'49
	-11284 May 15 j 12:01	0°♓	
morning rise	-11284 Jun 27 j 19:47	0°♈05'03	
	-11284 Jun 27 j 16:57	0°♈	
	-11284 Aug 08 j 03:31	0°♉	
	-11284 Sep 17 j 06:42	0°♊	
	-11284 Oct 26 j 18:27	0°♋	
	-11284 Dec 05 j 12:17	0°♌	
	-11283 Jan 15 j 18:35	0°♍	
desc. node	-11283 Feb 07 j 09:02	15°♍30'35	
	-11283 Mar 01 j 22:17	0°♎	
	-11283 May 01 j 13:28	0°♏	
retrograde	-11283 May 29 j 13:28	4°♏48'27	
	-11283 Jun 24 j 22:16	30°℞♎	
min. Earth dist.	-11283 Jul 01 j 23:34	27°♎24'18	0.58005 AU
opposition	-11283 Jul 07 j 22:33	25°♎04'48	-5°28'22
greatest brilliancy	-11283 Jul 06 j 20:34	25°♎30'11	-1.7m
direct	-11283 Aug 13 j 12:09	16°♎43'36	
	-11283 Oct 05 j 02:59	0°♏	
	-11283 Dec 03 j 10:21	0°♐	
	-11282 Jan 23 j 14:20	0°♉	
asc. node	-11282 Feb 03 j 15:51	6°♉46'27	
	-11282 Mar 12 j 12:17	0°♒	
	-11282 Apr 26 j 19:33	0°♓	
evening set	-11282 May 04 j 00:06	4°♓54'59	
max. Earth dist.	-11282 May 20 j 10:37	16°♓19'43	2.50216 AU
	-11282 Jun 08 j 16:59	0°♈	
conjunction	-11282 Jun 25 j 08:58	12°♈05'00	1°09'33
minimum elong	-11282 Jun 25 j 07:34	12°♈02'27	1°09'38
	-11282 Jul 19 j 12:59	0°♉	
morning rise	-11282 Aug 19 j 20:41	23°♉48'04	
	-11282 Aug 27 j 21:57	0°♊	
	-11282 Oct 05 j 14:00	0°♋	
	-11282 Nov 13 j 09:52	0°♌	
	-11282 Dec 23 j 07:58	0°♍	
desc. node	-11282 Dec 26 j 03:53	2°♍04'38	
	-11281 Feb 03 j 09:38	0°♎	
	-11281 Mar 21 j 06:39	0°♏	
	-11281 May 15 j 15:24	0°♐	
retrograde	-11281 Jul 05 j 21:07	13°♐16'46	
min. Earth dist.	-11281 Aug 12 j 15:58	4°♐16'38	0.65135 AU
opposition	-11281 Aug 14 j 20:56	3°♐23'23	-4°23'30
greatest brilliancy	-11281 Aug 14 j 13:48	3°♐30'34	-1.4m
	-11281 Aug 23 j 13:31	30°℞♏	
direct	-11281 Sep 23 j 00:30	24°♏01'13	
	-11281 Oct 26 j 16:30	0°♐	
asc. node	-11281 Dec 22 j 20:41	25°♐30'19	
	-11281 Dec 31 j 04:07	0°♉	
	-11280 Feb 20 j 04:49	0°♒	
	-11280 Apr 06 j 11:36	0°♓	
	-11280 May 19 j 13:19	0°♈	
evening set	-11280 Jun 23 j 15:40	25°♈48'38	
	-11280 Jun 29 j 05:10	0°♉	
max. Earth dist.	-11280 Jul 30 j 21:25	24°♉15'53	2.38993 AU
	-11280 Aug 07 j 06:39	0°♊	
conjunction	-11280 Aug 22 j 02:01	11°♊33'36	0°55'34
minimum elong	-11280 Aug 22 j 05:12	11°♊39'49	0°56'07
	-11280 Sep 14 j 14:44	0°♋	
	-11280 Oct 23 j 03:10	0°♌	
morning rise	-11280 Oct 25 j 11:01	1°♌47'33	
desc. node	-11280 Nov 11 j 20:21	15°♌05'16	
	-11280 Dec 01 j 16:42	0°♍	
	-11279 Jan 12 j 01:50	0°♎	
	-11279 Feb 25 j 00:12	0°♏	
	-11279 Apr 13 j 13:25	0°♐	
	-11279 Jun 07 j 17:17	0°♉	
retrograde	-11279 Aug 09 j 02:47	17°♉45'04	
opposition	-11279 Sep 17 j 12:04	8°♉18'11	-2°03'38
greatest brilliancy	-11279 Sep 17 j 15:22	8°♉14'53	-1.4m
min. Earth dist.	-11279 Sep 19 j 01:38	7°♉40'38	0.66184 AU
	-11279 Oct 12 j 12:12	30°℞♐	
direct	-11279 Oct 28 j 02:51	28°♐24'25	
asc. node	-11279 Nov 09 j 02:21	29°♐16'14	
	-11279 Nov 13 j 13:46	0°♉	
	-11278 Jan 25 j 14:26	0°♒	
	-11278 Mar 16 j 06:11	0°♓	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11278 Apr 29 j 09:19	0°♈	
	-11278 Jun 09 j 09:07	0°♉	
	-11278 Jul 18 j 12:32	0°♊	
	-11278 Aug 25 j 21:04	0°♋	
evening set	-11278 Aug 26 j 03:27	0°♋12'30	
desc. node	-11278 Sep 29 j 15:54	27°♋05'54	
	-11278 Oct 03 j 10:12	0°♌	
conjunction	-11278 Oct 27 j 14:53	18°♌27'39	-0°20'50
minimum elong	-11278 Oct 27 j 13:12	18°♌24'27	0°20'21
	-11278 Nov 12 j 00:38	0°♍	
max. Earth dist.	-11278 Dec 11 j 05:51	21°♍21'33	2.45828 AU
	-11278 Dec 23 j 08:28	0°♎	
morning rise	-11278 Dec 27 j 16:47	3°♎04'14	
	-11277 Feb 04 j 20:22	0°♏	
	-11277 Mar 22 j 18:12	0°♐	
	-11277 May 10 j 13:59	0°♑	
	-11277 Jul 04 j 00:11	0°♒	
retrograde	-11277 Sep 16 j 04:05	23°♒06'12	
asc. node	-11277 Sep 27 j 05:07	22°♒19'05	
opposition	-11277 Oct 23 j 21:46	14°♒30'55	1°09'09
greatest brilliancy	-11277 Oct 24 j 02:18	14°♒26'32	-1.6m
min. Earth dist.	-11277 Oct 29 j 02:43	12°♒30'07	0.61127 AU
direct	-11277 Dec 03 j 14:41	4°♒37'54	
	-11276 Feb 16 j 16:52	0°♓	
	-11276 Apr 05 j 07:11	0°♈	
	-11276 May 17 j 19:07	0°♉	
	-11276 Jun 26 j 15:56	0°♊	
	-11276 Aug 04 j 12:20	0°♋	
desc. node	-11276 Aug 16 j 16:07	9°♋24'14	
	-11276 Sep 12 j 11:53	0°♌	
	-11276 Oct 22 j 12:05	0°♍	
evening set	-11276 Oct 26 j 22:12	3°♍14'51	
	-11276 Dec 03 j 03:56	0°♎	
conjunction	-11276 Dec 22 j 06:01	13°♎17'41	-1°10'14
minimum elong	-11276 Dec 22 j 04:33	13°♎15'09	1°10'19
	-11275 Jan 15 j 18:56	0°♏	
max. Earth dist.	-11275 Jan 20 j 04:47	2°♏57'34	2.57321 AU
morning rise	-11275 Feb 13 j 13:26	19°♏05'29	
	-11275 Mar 02 j 07:42	0°♐	
	-11275 Apr 18 j 12:20	0°♑	
	-11275 Jun 06 j 08:27	0°♒	
	-11275 Jul 28 j 05:15	0°♓	
asc. node	-11275 Aug 14 j 03:22	8°♓59'11	
	-11275 Oct 02 j 10:29	0°♈	
retrograde	-11275 Nov 01 j 17:55	4°♈58'15	
	-11275 Nov 30 j 01:53	30°℞♓	
opposition	-11275 Dec 06 j 11:11	27°♓49'55	5°01'44
greatest brilliancy	-11275 Dec 07 j 18:13	27°♓22'36	-2.1m
min. Earth dist.	-11275 Dec 14 j 09:56	25°♓02'24	0.50732 AU
direct	-11274 Jan 13 j 22:02	19°♓05'22	
	-11274 Feb 26 j 12:53	0°♈	
	-11274 Apr 20 j 07:07	0°♉	
	-11274 Jun 02 j 07:56	0°♊	
desc. node	-11274 Jul 04 j 19:00	23°♊55'54	
	-11274 Jul 12 j 22:20	0°♋	
	-11274 Aug 22 j 04:42	0°♌	
	-11274 Oct 02 j 06:08	0°♍	
	-11274 Nov 13 j 18:13	0°♎	
evening set	-11274 Dec 16 j 19:06	22°♎31'37	
	-11274 Dec 27 j 23:12	0°♏	
conjunction	-11273 Feb 05 j 15:09	26°♏03'58	-1°08'45
minimum elong	-11273 Feb 05 j 16:22	26°♏05'55	1°09'14
	-11273 Feb 11 j 16:47	0°♐	
max. Earth dist.	-11273 Feb 17 j 04:00	3°♐32'03	2.64485 AU
morning rise	-11273 Mar 26 j 06:58	27°♐20'41	
	-11273 Mar 30 j 10:52	0°♑	
	-11273 May 16 j 15:11	0°♒	
asc. node	-11273 Jul 01 j 21:24	29°♒19'32	
	-11273 Jul 02 j 23:01	0°♓	
	-11273 Aug 19 j 20:25	0°♈	
	-11273 Oct 09 j 05:12	0°♉	
	-11273 Dec 13 j 21:57	0°♊	
retrograde	-11272 Jan 08 j 13:33	3°♊46'54	
	-11272 Feb 03 j 01:29	30°℞♉	
opposition	-11272 Feb 08 j 11:26	28°♉31'37	6°32'56
greatest brilliancy	-11272 Feb 09 j 14:53	28°♉12'32	-2.7m
min. Earth dist.	-11272 Feb 12 j 23:03	27°♉16'59	0.39727 AU
direct	-11272 Mar 11 j 17:34	22°♉44'59	
	-11272 Apr 15 j 08:47	0°♊	
desc. node	-11272 May 22 j 00:21	18°♊07'55	
	-11272 Jun 10 j 15:56	0°♋	
	-11272 Jul 26 j 09:08	0°♌	
	-11272 Sep 08 j 13:55	0°♍	
	-11272 Oct 23 j 03:04	0°♎	
	-11272 Dec 07 j 15:50	0°♏	
	-11271 Jan 23 j 03:16	0°♐	
evening set	-11271 Jan 27 j 07:27	2°♐40'26	
	-11271 Mar 11 j 01:17	0°♑	
max. Earth dist.	-11271 Mar 12 j 22:47	1°♑12'47	2.66416 AU
conjunction	-11271 Mar 16 j 14:27	3°♑33'06	-0°36'01
minimum elong	-11271 Mar 16 j 15:45	3°♑35'10	0°36'38
	-11271 Apr 26 j 16:41	0°♒	
morning rise	-11271 May 02 j 10:51	3°♒44'08	
asc. node	-11271 May 18 j 13:21	14°♒14'23	
	-11271 Jun 11 j 11:31	0°♓	
	-11271 Jul 26 j 04:31	0°♈	
	-11271 Sep 07 j 23:21	0°♉	
	-11271 Oct 21 j 08:30	0°♊	
	-11271 Dec 04 j 11:42	0°♋	
	-11270 Jan 22 j 08:50	0°♌	
retrograde	-11270 Mar 23 j 02:35	19°♌17'47	
desc. node	-11270 Apr 09 j 05:06	17°♌16'49	
min. Earth dist.	-11270 Apr 19 j 10:26	14°♌32'27	0.41720 AU
opposition	-11270 Apr 26 j 05:55	12°♌26'26	-1°14'12
greatest brilliancy	-11270 Apr 25 j 21:12	12°♌33'11	-2.7m
direct	-11270 May 27 j 14:06	6°♌39'34	
	-11270 Aug 06 j 23:35	0°♍	
	-11270 Sep 28 j 15:48	0°♎	
	-11270 Nov 16 j 16:35	0°♏	
	-11269 Jan 03 j 21:44	0°♐	
	-11269 Feb 20 j 14:09	0°♑	
evening set	-11269 Mar 07 j 17:44	9°♑38'42	
asc. node	-11269 Apr 05 j 07:20	28°♑03'17	
max. Earth dist.	-11269 Apr 07 j 03:34	29°♑15'14	2.63006 AU
	-11269 Apr 08 j 07:04	0°♒	
conjunction	-11269 Apr 24 j 21:26	10°♒53'13	0°11'53
minimum elong	-11269 Apr 24 j 20:58	10°♒52'27	0°11'23
behind sun begin	-11269 Apr 24 j 06:45	10°♒29'01	
behind sun end	-11269 Apr 25 j 11:10	11°♒15'53	
	-11269 May 23 j 12:06	0°♓	
morning rise	-11269 Jun 11 j 13:46	13°♓00'34	
	-11269 Jul 05 j 23:35	0°♈	
	-11269 Aug 16 j 20:08	0°♉	
	-11269 Sep 26 j 11:45	0°♊	
	-11269 Nov 05 j 13:59	0°♋	
	-11269 Dec 16 j 02:15	0°♌	
	-11268 Jan 27 j 17:35	0°♍	
desc. node	-11268 Feb 25 j 04:09	18°♍09'20	
	-11268 Mar 17 j 06:55	0°♎	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

retrograde	-11268 May 13 j 04:16	17°♎22'46		
min. Earth dist.	-11268 Jun 13 j 14:02	10°♎45'40	0.53730 AU	
greatest brilliancy	-11268 Jun 19 j 11:40	8°♎32'06	-1.9m	
opposition	-11268 Jun 20 j 19:04	8°♎02'23	-5°17'05	
direct	-11268 Jul 26 j 00:19	0°♎16'04		
	-11268 Oct 20 j 06:30	0°♏		
	-11268 Dec 12 j 15:56	0°♐		
	-11267 Jan 31 j 07:32	0°♑		
asc. node	-11267 Feb 20 j 06:37	12°♑28'13		
	-11267 Mar 19 j 16:55	0°♒		
evening set	-11267 Apr 16 j 15:45	18°♒22'49		
	-11267 May 03 j 21:23	0°♓		
max. Earth dist.	-11267 May 05 j 16:34	1°♓13'36	2.54615 AU	
conjunction	-11267 Jun 06 j 04:23	23°♓06'30	0°58'05	
minimum elong	-11267 Jun 06 j 02:29	23°♓03'09	0°57'56	
	-11267 Jun 15 j 20:53	0°♈		
	-11267 Jul 26 j 21:28	0°♉		
morning rise	-11267 Jul 28 j 10:04	1°♉08'20		
	-11267 Sep 04 j 12:02	0°♊		
	-11267 Oct 13 j 09:54	0°♋		
	-11267 Nov 21 j 11:35	0°♌		
	-11267 Dec 31 j 17:18	0°♍		
desc. node	-11266 Jan 11 j 23:19	8°♍07'18		
	-11266 Feb 12 j 10:39	0°♎		
	-11266 Apr 01 j 08:14	0°♏		
retrograde	-11266 Jun 21 j 22:14	29°♏16'24		
min. Earth dist.	-11266 Jul 28 j 03:56	20°♏49'28	0.63046 AU	
opposition	-11266 Jul 31 j 20:26	19°♏20'58	-5°00'21	
greatest brilliancy	-11266 Jul 31 j 06:16	19°♏35'09	-1.5m	
direct	-11266 Sep 08 j 02:49	10°♏18'40		
	-11266 Nov 14 j 12:15	0°♐		
asc. node	-11265 Jan 08 j 10:22	29°♐15'10		
	-11265 Jan 09 j 17:21	0°♑		
	-11265 Feb 28 j 02:48	0°♒		
	-11265 Apr 14 j 21:41	0°♓		
	-11265 May 27 j 20:44	0°♈		
evening set	-11265 Jun 03 j 02:44	4°♈30'45		
max. Earth dist.	-11265 Jun 22 j 15:25	18°♈50'13	2.42881 AU	
	-11265 Jul 07 j 13:33	0°♉		
conjunction	-11265 Jul 29 j 12:27	16°♉42'51	1°10'24	
minimum elong	-11265 Jul 29 j 13:53	16°♉45'38	1°10'50	
	-11265 Aug 15 j 17:11	0°♊		
	-11265 Sep 23 j 03:27	0°♋		
morning rise	-11265 Sep 29 j 01:37	4°♋37'54		
	-11265 Oct 31 j 17:28	0°♌		
desc. node	-11265 Nov 29 j 17:00	22°♌03'19		
	-11265 Dec 10 j 08:26	0°♍		
	-11264 Jan 20 j 20:50	0°♎		
	-11264 Mar 05 j 05:29	0°♏		
	-11264 Apr 23 j 06:47	0°♐		
	-11264 Jun 27 j 11:59	0°♑		
retrograde	-11264 Jul 26 j 09:00	4°♑40'01		
	-11264 Aug 21 j 23:07	30°℞♐		
opposition	-11264 Sep 04 j 03:00	24°♐59'45	-3°04'34	
greatest brilliancy	-11264 Sep 04 j 03:57	24°♐58'48	-1.4m	
min. Earth dist.	-11264 Sep 04 j 05:41	24°♐57'03	0.66515 AU	
direct	-11264 Oct 14 j 07:20	15°♐15'02		
asc. node	-11264 Nov 25 j 16:21	24°♐16'37		
	-11264 Dec 09 j 17:00	0°♑		
	-11263 Feb 04 j 19:30	0°♒		
	-11263 Mar 24 j 15:15	0°♓		
	-11263 May 07 j 05:05	0°♈		
	-11263 Jun 17 j 00:20	0°♉		
	-11263 Jul 26 j 02:03	0°♊		
evening set	-11263 Jul 31 j 09:36	4°♊08'32		
	-11263 Sep 02 j 09:36	0°♋		
conjunction	-11263 Oct 02 j 02:11	23°♋11'09	0°10'58	
minimum elong	-11263 Oct 02 j 03:15	23°♋13'12	0°11'32	
behind sun begin	-11263 Oct 01 j 07:52	22°♋35'38		
behind sun end	-11263 Oct 02 j 22:37	23°♋50'46		
	-11263 Oct 10 j 21:30	0°♌		
desc. node	-11263 Oct 16 j 10:28	4°♌15'56		
max. Earth dist.	-11263 Nov 11 j 19:38	24°♌18'36	2.41086 AU	
	-11263 Nov 19 j 10:23	0°♍		
morning rise	-11263 Dec 04 j 22:44	11°♍26'53		
	-11263 Dec 30 j 17:09	0°♎		
	-11262 Feb 12 j 06:19	0°♏		
	-11262 Mar 30 j 13:15	0°♐		
	-11262 May 19 j 17:58	0°♑		
	-11262 Jul 20 j 04:49	0°♒		
retrograde	-11262 Aug 31 j 16:32	9°♒06'35		
opposition	-11262 Oct 09 j 05:03	0°♒07'42	-0°11'40	
greatest brilliancy	-11262 Oct 09 j 05:53	0°♒06'52	-1.5m	
	-11262 Oct 09 j 12:52	30°℞♑		
min. Earth dist.	-11262 Oct 13 j 00:40	28°♑37'34	0.63832 AU	
asc. node	-11262 Oct 13 j 20:37	28°♑18'04		
direct	-11262 Nov 19 j 02:10	20°♑09'01		
	-11261 Jan 01 j 17:25	0°♒		
	-11261 Feb 28 j 16:25	0°♓		
	-11261 Apr 15 j 16:17	0°♈		
	-11261 May 27 j 08:25	0°♉		
	-11261 Jul 05 j 19:38	0°♊		
	-11261 Aug 13 j 09:27	0°♋		
desc. node	-11261 Sep 03 j 08:23	16°♋17'29		
	-11261 Sep 21 j 03:10	0°♌		
evening set	-11261 Oct 04 j 18:35	10°♌24'19		
	-11261 Oct 30 j 21:56	0°♍		
conjunction	-11261 Dec 02 j 21:02	23°♍57'31	-0°57'53	
minimum elong	-11261 Dec 02 j 18:27	23°♍52'56	0°57'45	
	-11261 Dec 11 j 09:13	0°♎		
max. Earth dist.	-11260 Jan 07 j 20:45	19°♎07'06	2.53233 AU	
	-11260 Jan 23 j 21:17	0°♏		
morning rise	-11260 Jan 27 j 22:26	2°♏43'09		
	-11260 Mar 09 j 11:12	0°♐		
	-11260 Apr 26 j 01:35	0°♑		
	-11260 Jun 15 j 05:04	0°♒		
	-11260 Aug 10 j 20:56	0°♓		
asc. node	-11260 Aug 30 j 20:13	8°♓25'27		
retrograde	-11260 Oct 12 j 11:01	17°♓33'08		
opposition	-11260 Nov 17 j 13:36	9°♓45'15	3°29'28	
greatest brilliancy	-11260 Nov 18 j 08:44	9°♓27'34	-1.9m	
min. Earth dist.	-11260 Nov 24 j 16:56	7°♓07'03	0.55332 AU	
direct	-11260 Dec 27 j 07:33	0°♓21'18		
	-11259 Mar 17 j 11:30	0°♈		
	-11259 May 02 j 05:10	0°♉		
	-11259 Jun 12 j 09:00	0°♊		
desc. node	-11259 Jul 21 j 12:01	29°♊37'04		
	-11259 Jul 22 j 00:04	0°♋		
	-11259 Aug 30 j 13:52	0°♌		
	-11259 Oct 10 j 02:00	0°♍		
	-11259 Nov 21 j 03:37	0°♎		
evening set	-11259 Nov 28 j 08:14	5°♎00'15		
	-11258 Jan 04 j 01:04	0°♏		
conjunction	-11258 Jan 19 j 23:16	10°♏35'44	-1°14'05	
minimum elong	-11258 Jan 19 j 23:42	10°♏36'27	1°14'28	
max. Earth dist.	-11258 Feb 07 j 03:10	22°♏31'25	2.62282 AU	
	-11258 Feb 18 j 15:03	0°♐		
morning rise	-11258 Mar 11 j 01:37	13°♐10'21		
	-11258 Apr 06 j 10:57	0°♑		

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11258 May 24 j 01:58	0°♒	
	-11258 Jul 11 j 13:19	0°♓	
asc. node	-11258 Jul 18 j 15:21	4°♓18'35	
	-11258 Aug 31 j 06:55	0°♈	
	-11258 Oct 31 j 17:10	0°♉	
retrograde	-11258 Dec 10 j 01:10	8°♉07'53	
opposition	-11257 Jan 11 j 09:20	2°♉12'05	6°49'14
greatest brilliancy	-11257 Jan 13 j 01:31	1°♉40'54	-2.5m
	-11257 Jan 18 j 12:47	30°♑℞♈	
min. Earth dist.	-11257 Jan 18 j 16:06	29°♈57'30	0.43407 AU
direct	-11257 Feb 15 j 08:59	25°♈09'35	
	-11257 Mar 15 j 00:45	0°♉	
	-11257 May 12 j 07:53	0°♊	
desc. node	-11257 Jun 08 j 16:36	18°♊06'38	
	-11257 Jun 25 j 20:45	0°♋	
	-11257 Aug 07 j 05:44	0°♌	
	-11257 Sep 18 j 16:36	0°♍	
	-11257 Nov 01 j 04:09	0°♎	
	-11257 Dec 16 j 00:45	0°♏	
evening set	-11256 Jan 12 j 09:59	17°♏54'05	
	-11256 Jan 31 j 03:00	0°♐	
conjunction	-11256 Mar 01 j 09:56	19°♐26'41	-0°51'15
minimum elong	-11256 Mar 01 j 11:30	19°♐29'10	0°51'51
max. Earth dist.	-11256 Mar 03 j 10:44	20°♐44'46	2.66293 AU
	-11256 Mar 17 j 21:53	0°♑	
morning rise	-11256 Apr 17 j 16:24	19°♑42'39	
	-11256 May 03 j 16:22	0°♒	
asc. node	-11256 Jun 04 j 07:35	20°♒28'40	
	-11256 Jun 18 j 21:59	0°♓	
	-11256 Aug 03 j 11:48	0°♈	
	-11256 Sep 17 j 18:28	0°♉	
	-11256 Nov 02 j 18:46	0°♊	
	-11256 Dec 23 j 01:16	0°♋	
retrograde	-11255 Feb 24 j 12:33	20°♋32'40	
min. Earth dist.	-11255 Mar 25 j 00:07	15°♋50'11	0.38831 AU
opposition	-11255 Mar 28 j 08:47	14°♋54'25	2°13'05
greatest brilliancy	-11255 Mar 28 j 05:00	14°♋57'02	-2.9m
desc. node	-11255 Apr 25 j 20:37	9°♋45'50	
direct	-11255 Apr 27 j 15:41	9°♋44'35	
	-11255 Jul 01 j 01:15	0°♌	
	-11255 Aug 22 j 00:25	0°♍	
	-11255 Oct 08 j 18:01	0°♎	
	-11255 Nov 24 j 22:01	0°♏	
	-11254 Jan 11 j 06:13	0°♐	
evening set	-11254 Feb 20 j 11:54	25°♐30'29	
	-11254 Feb 27 j 13:15	0°♑	
max. Earth dist.	-11254 Mar 28 j 06:14	18°♑23'40	2.64958 AU
conjunction	-11254 Apr 09 j 10:28	26°♑16'17	-0°07'36
minimum elong	-11254 Apr 09 j 10:47	26°♑16'48	0°08'11
behind sun begin	-11254 Apr 08 j 17:37	25°♑48'59	
behind sun end	-11254 Apr 10 j 03:56	26°♑44'38	
	-11254 Apr 15 j 04:09	0°♒	
asc. node	-11254 Apr 22 j 00:43	4°♒28'25	
morning rise	-11254 May 26 j 10:47	27°♒14'52	
	-11254 May 30 j 13:11	0°♓	
	-11254 Jul 13 j 09:47	0°♈	
	-11254 Aug 24 j 20:08	0°♉	
	-11254 Oct 05 j 05:24	0°♊	
	-11254 Nov 15 j 05:49	0°♋	
	-11254 Dec 27 j 02:33	0°♌	
	-11253 Feb 10 j 19:51	0°♍	
desc. node	-11253 Mar 13 j 22:26	16°♍34'45	
retrograde	-11253 Apr 26 j 00:45	27°♍35'39	
min. Earth dist.	-11253 May 25 j 09:50	21°♍48'29	0.48924 AU
greatest brilliancy	-11253 Jun 01 j 02:42	19°♍24'50	-2.2m
opposition	-11253 Jun 02 j 10:09	18°♍56'38	-4°29'11
direct	-11253 Jul 06 j 02:37	11°♍52'56	
	-11253 Sep 06 j 11:35	0°♎	
	-11253 Nov 01 j 11:21	0°♏	
	-11253 Dec 22 j 00:57	0°♐	
	-11252 Feb 08 j 16:54	0°♑	
asc. node	-11252 Mar 08 j 22:06	18°♑30'03	
	-11252 Mar 26 j 17:49	0°♒	
evening set	-11252 Mar 31 j 06:56	2°♒57'41	
max. Earth dist.	-11252 Apr 23 j 06:30	18°♒07'53	2.58432 AU
	-11252 May 10 j 21:26	0°♓	
conjunction	-11252 May 19 j 12:51	5°♓54'07	0°41'50
minimum elong	-11252 May 19 j 11:13	5°♓51'20	0°41'32
	-11252 Jun 23 j 00:30	0°♈	
morning rise	-11252 Jul 08 j 09:53	11°♈02'29	
	-11252 Aug 03 j 07:31	0°♉	
	-11252 Sep 12 j 05:53	0°♊	
	-11252 Oct 21 j 12:07	0°♋	
	-11252 Nov 29 j 22:53	0°♌	
	-11251 Jan 09 j 17:24	0°♍	
desc. node	-11251 Jan 28 j 19:21	13°♍24'50	
	-11251 Feb 22 j 15:16	0°♎	
	-11251 Apr 16 j 06:04	0°♏	
retrograde	-11251 Jun 07 j 08:37	14°♏19'55	
min. Earth dist.	-11251 Jul 11 j 19:59	6°♏31'42	0.60037 AU
opposition	-11251 Jul 16 j 23:42	4°♏29'35	-5°23'27
greatest brilliancy	-11251 Jul 16 j 01:51	4°♏51'11	-1.6m
	-11251 Jul 29 j 05:14	30°♑℞♎	
direct	-11251 Aug 23 j 05:02	25°♎52'08	
	-11251 Sep 19 j 10:37	0°♏	
	-11251 Nov 26 j 18:41	0°♐	
	-11250 Jan 18 j 07:11	0°♑	
asc. node	-11250 Jan 25 j 00:45	4°♑03'20	
	-11250 Mar 07 j 16:19	0°♒	
	-11250 Apr 22 j 03:50	0°♓	
evening set	-11250 May 14 j 11:02	15°♓22'33	
max. Earth dist.	-11250 May 30 j 09:35	26°♓38'37	2.47598 AU
	-11250 Jun 04 j 02:06	0°♈	
conjunction	-11250 Jul 07 j 03:11	24°♈11'59	1°12'47
minimum elong	-11250 Jul 07 j 02:34	24°♈10'50	1°12'59
	-11250 Jul 14 j 21:06	0°♉	
	-11250 Aug 23 j 03:54	0°♊	
morning rise	-11250 Sep 02 j 18:49	8°♊14'02	
	-11250 Sep 30 j 17:27	0°♋	
	-11250 Nov 08 j 10:28	0°♌	
desc. node	-11250 Dec 16 j 12:11	28°♌45'02	
	-11250 Dec 18 j 04:43	0°♍	
	-11249 Jan 28 j 23:34	0°♎	
	-11249 Mar 15 j 02:14	0°♏	
	-11249 May 06 j 00:40	0°♐	
retrograde	-11249 Jul 13 j 18:45	21°♐27'34	
min. Earth dist.	-11249 Aug 21 j 08:49	12°♐10'44	0.65901 AU
opposition	-11249 Aug 22 j 17:33	11°♐37'47	-3°57'09
greatest brilliancy	-11249 Aug 22 j 13:51	11°♐41'31	-1.4m
direct	-11249 Oct 01 j 07:00	2°♐06'26	
asc. node	-11249 Dec 13 j 05:51	24°♐28'09	
	-11249 Dec 24 j 04:09	0°♑	
	-11248 Feb 14 j 18:34	0°♒	
	-11248 Apr 01 j 13:14	0°♓	
	-11248 May 14 j 19:25	0°♈	
	-11248 Jun 24 j 12:49	0°♉	
evening set	-11248 Jul 06 j 16:49	9°♉14'24	
	-11248 Aug 02 j 14:22	0°♊	
conjunction	-11248 Sep 05 j 16:07	26°♊40'20	0°41'46

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

minimum elong	-11248 Sep 05 j 19:19	26°♊46'37	0°42'21
	-11248 Sep 09 j 21:56	0°♋	
max. Earth dist.	-11248 Sep 10 j 20:49	0°♋44'51	2.38234 AU
	-11248 Oct 18 j 09:25	0°♌	
desc. node	-11248 Nov 02 j 06:49	11°♌26'01	
morning rise	-11248 Nov 09 j 15:32	17°♌02'01	
	-11248 Nov 26 j 21:31	0°♍	
	-11247 Jan 07 j 04:23	0°♎	
	-11247 Feb 19 j 21:14	0°♏	
	-11247 Apr 07 j 19:25	0°♐	
	-11247 May 30 j 09:50	0°♑	
retrograde	-11247 Aug 17 j 04:54	25°♑44'27	
opposition	-11247 Sep 25 j 07:59	16°♑26'34	-1°24'38
greatest brilliancy	-11247 Sep 25 j 11:20	16°♑23'13	-1.4m
min. Earth dist.	-11247 Sep 27 j 17:16	15°♑29'34	0.65609 AU
asc. node	-11247 Oct 30 j 10:47	6°♑41'54	
direct	-11247 Nov 05 j 02:31	6°♑29'30	
	-11246 Jan 17 j 22:59	0°♒	
	-11246 Mar 10 j 12:43	0°♓	
	-11246 Apr 24 j 05:12	0°♈	
	-11246 Jun 04 j 10:29	0°♉	
	-11246 Jul 13 j 16:30	0°♊	
	-11246 Aug 21 j 02:41	0°♋	
evening set	-11246 Sep 09 j 16:25	15°♋16'40	
desc. node	-11246 Sep 20 j 03:30	23°♋23'41	
	-11246 Sep 28 j 16:53	0°♌	
	-11246 Nov 07 j 07:52	0°♍	
conjunction	-11246 Nov 10 j 06:55	2°♍11'42	-0°36'33
minimum elong	-11246 Nov 10 j 04:20	2°♍06'57	0°36'10
	-11246 Dec 18 j 15:46	0°♎	
max. Earth dist.	-11246 Dec 22 j 14:55	2°♎48'10	2.48529 AU
morning rise	-11245 Jan 08 j 14:06	14°♎38'57	
	-11245 Jan 31 j 02:09	0°♏	
	-11245 Mar 17 j 19:18	0°♐	
	-11245 May 05 j 00:52	0°♑	
	-11245 Jun 26 j 08:14	0°♒	
	-11245 Sep 07 j 09:29	0°♓	
asc. node	-11245 Sep 17 j 12:22	1°♓31'09	
retrograde	-11245 Sep 25 j 14:20	1°♓54'56	
	-11245 Oct 12 j 19:51	30°℞♒	
opposition	-11245 Nov 01 j 19:41	23°♒34'51	1°58'47
greatest brilliancy	-11245 Nov 02 j 04:38	23°♒26'18	-1.7m
min. Earth dist.	-11245 Nov 07 j 18:38	21°♒18'25	0.59283 AU
direct	-11245 Dec 12 j 07:20	13°♒48'32	
	-11244 Feb 07 j 01:59	0°♓	
	-11244 Mar 29 j 19:26	0°♈	
	-11244 May 12 j 03:12	0°♉	
	-11244 Jun 21 j 08:33	0°♊	
	-11244 Jul 30 j 10:13	0°♋	
desc. node	-11244 Aug 07 j 03:54	5°♋57'32	
	-11244 Sep 07 j 13:39	0°♌	
	-11244 Oct 17 j 16:52	0°♍	
evening set	-11244 Nov 08 j 04:35	15°♍36'06	
	-11244 Nov 28 j 11:07	0°♎	
conjunction	-11243 Jan 02 j 02:14	23°♎53'46	-1°13'38
minimum elong	-11243 Jan 02 j 01:31	23°♎52'33	1°13'50
	-11243 Jan 11 j 03:12	0°♏	
max. Earth dist.	-11243 Jan 27 j 01:41	10°♏38'06	2.59293 AU
morning rise	-11243 Feb 23 j 03:01	28°♏22'19	
	-11243 Feb 25 j 15:17	0°♐	
	-11243 Apr 13 j 15:13	0°♑	
	-11243 May 31 j 22:05	0°♒	
	-11243 Jul 21 j 04:32	0°♓	
asc. node	-11243 Aug 04 j 09:19	8°♓03'47	
	-11243 Sep 15 j 23:24	0°♈	
retrograde	-11243 Nov 14 j 13:42	16°♈20'20	
opposition	-11243 Dec 18 j 10:24	9°♈36'28	5°49'40
greatest brilliancy	-11243 Dec 19 j 23:14	9°♈05'09	-2.2m
min. Earth dist.	-11243 Dec 26 j 11:38	6°♈52'54	0.48092 AU
direct	-11242 Jan 24 j 20:31	1°♈22'10	
	-11242 Apr 11 j 04:54	0°♉	
	-11242 May 26 j 09:43	0°♊	
desc. node	-11242 Jun 25 j 07:55	21°♊31'51	
	-11242 Jul 06 j 21:25	0°♋	
	-11242 Aug 16 j 16:35	0°♌	
	-11242 Sep 27 j 02:40	0°♍	
	-11242 Nov 08 j 21:01	0°♎	
	-11242 Dec 23 j 06:00	0°♏	
evening set	-11242 Dec 26 j 18:27	2°♏20'03	
	-11241 Feb 07 j 01:45	0°♐	
conjunction	-11241 Feb 14 j 19:59	5°♐00'42	-1°03'27
minimum elong	-11241 Feb 14 j 21:27	5°♐03'03	1°03'59
max. Earth dist.	-11241 Feb 22 j 21:36	10°♐12'18	2.65355 AU
	-11241 Mar 25 j 19:18	0°♑	
morning rise	-11241 Apr 03 j 21:26	5°♑48'11	
	-11241 May 11 j 19:11	0°♒	
asc. node	-11241 Jun 22 j 02:54	26°♒26'56	
	-11241 Jun 27 j 15:48	0°♓	
	-11241 Aug 13 j 12:16	0°♈	
	-11241 Sep 30 j 08:29	0°♉	
	-11241 Nov 21 j 19:25	0°♊	
retrograde	-11240 Jan 26 j 03:18	20°♊24'04	
opposition	-11240 Feb 25 j 21:25	15°♊15'46	5°28'54
greatest brilliancy	-11240 Feb 26 j 10:50	15°♊06'42	-2.8m
min. Earth dist.	-11240 Feb 27 j 17:59	14°♊45'39	0.38624 AU
direct	-11240 Mar 28 j 00:29	9°♊57'21	
desc. node	-11240 May 12 j 13:14	21°♊38'32	
	-11240 May 29 j 10:38	0°♋	
	-11240 Jul 18 j 13:12	0°♌	
	-11240 Sep 02 j 08:33	0°♍	
	-11240 Oct 17 j 17:21	0°♎	
	-11240 Dec 02 j 16:51	0°♏	
	-11239 Jan 18 j 10:16	0°♐	
evening set	-11239 Feb 05 j 04:38	11°♐20'00	
	-11239 Mar 06 j 10:50	0°♑	
max. Earth dist.	-11239 Mar 18 j 12:18	7°♑43'05	2.66127 AU
conjunction	-11239 Mar 25 j 06:14	12°♑02'46	-0°26'05
minimum elong	-11239 Mar 25 j 07:14	12°♑04'22	0°26'42
	-11239 Apr 22 j 01:49	0°♒	
asc. node	-11239 May 08 j 19:15	10°♒54'21	
morning rise	-11239 May 11 j 01:19	12°♒22'57	
	-11239 Jun 06 j 16:55	0°♓	
	-11239 Jul 21 j 01:39	0°♈	
	-11239 Sep 02 j 06:51	0°♉	
	-11239 Oct 14 j 18:21	0°♊	
	-11239 Nov 26 j 08:43	0°♋	
	-11238 Jan 10 j 04:27	0°♌	
	-11238 Mar 10 j 00:23	0°♍	
desc. node	-11238 Mar 30 j 15:21	4°♍16'57	
retrograde	-11238 Apr 05 j 07:39	4°♍30'47	
	-11238 May 01 j 09:43	30°℞♌	
min. Earth dist.	-11238 May 03 j 02:35	29°♌27'49	0.44106 AU
opposition	-11238 May 10 j 19:56	26°♌55'30	-2°45'24
greatest brilliancy	-11238 May 09 j 23:22	27°♌12'28	-2.5m
direct	-11238 Jun 11 j 22:14	20°♌40'47	
	-11238 Jul 23 j 14:29	0°♍	
	-11238 Sep 21 j 07:33	0°♎	
	-11238 Nov 11 j 00:02	0°♏	
	-11238 Dec 29 j 21:25	0°♐	
	-11237 Feb 15 j 21:03	0°♑	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

evening set	-11237 Mar 16 j 13:31	18°♉16'19	
asc. node	-11237 Mar 26 j 14:48	24°♉45'19	
	-11237 Apr 03 j 16:41	0°♒	
max. Earth dist.	-11237 Apr 13 j 05:52	6°♒14'25	2.61606 AU
conjunction	-11237 May 03 j 23:25	19°♒57'48	0°23'06
minimum elong	-11237 May 03 j 22:29	19°♒56'14	0°22'39
	-11237 May 18 j 21:35	0°♓	
morning rise	-11237 Jun 21 j 05:51	22°♓57'21	
	-11237 Jul 01 j 06:16	0°♈	
	-11237 Aug 11 j 21:58	0°♉	
	-11237 Sep 21 j 06:42	0°♊	
	-11237 Oct 31 j 00:19	0°♋	
	-11237 Dec 10 j 00:37	0°♌	
	-11236 Jan 20 j 17:04	0°♍	
desc. node	-11236 Feb 15 j 14:36	17°♍21'53	
	-11236 Mar 07 j 02:00	0°♎	
retrograde	-11236 May 22 j 19:02	28°♎00'47	
min. Earth dist.	-11236 Jun 24 j 07:36	20°♎56'52	0.56184 AU
opposition	-11236 Jun 30 j 20:35	18°♎25'38	-5°27'24
greatest brilliancy	-11236 Jun 29 j 15:49	18°♎53'26	-1.8m
direct	-11236 Aug 05 j 20:40	10°♎18'55	
	-11236 Oct 11 j 11:37	0°♏	
	-11236 Dec 06 j 18:18	0°♐	
	-11235 Jan 26 j 05:59	0°♑	
asc. node	-11235 Feb 10 j 14:51	9°♑29'46	
	-11235 Mar 14 j 23:06	0°♒	
evening set	-11235 Apr 26 j 10:23	28°♒04'38	
	-11235 Apr 29 j 06:20	0°♓	
max. Earth dist.	-11235 May 13 j 20:37	10°♓00'56	2.52250 AU
	-11235 Jun 11 j 05:44	0°♈	
conjunction	-11235 Jun 16 j 21:11	4°♈03'13	1°05'23
minimum elong	-11235 Jun 16 j 19:28	4°♈00'08	1°05'22
	-11235 Jul 22 j 04:47	0°♉	
morning rise	-11235 Aug 09 j 19:00	14°♉00'58	
	-11235 Aug 30 j 16:42	0°♊	
	-11235 Oct 08 j 11:22	0°♋	
	-11235 Nov 16 j 09:18	0°♌	
	-11235 Dec 26 j 09:14	0°♍	
desc. node	-11234 Jan 02 j 10:13	5°♍08'25	
	-11234 Feb 06 j 15:04	0°♎	
	-11234 Mar 25 j 01:49	0°♏	
	-11234 May 23 j 07:40	0°♐	
retrograde	-11234 Jun 30 j 01:21	7°♐50'29	
	-11234 Aug 03 j 20:11	30°℞♏	
min. Earth dist.	-11234 Aug 06 j 04:06	29°♏04'21	0.64312 AU
opposition	-11234 Aug 09 j 00:38	27°♏55'31	-4°40'26
greatest brilliancy	-11234 Aug 08 j 14:32	28°♏05'40	-1.4m
direct	-11234 Sep 16 j 18:55	18°♏41'35	
	-11234 Nov 04 j 03:38	0°♐	
asc. node	-11234 Dec 29 j 19:06	27°♐17'17	
	-11233 Jan 03 j 15:41	0°♑	
	-11233 Feb 22 j 23:32	0°♒	
	-11233 Apr 10 j 02:28	0°♓	
	-11233 May 23 j 04:10	0°♈	
evening set	-11233 Jun 15 j 01:53	16°♈41'42	
	-11233 Jul 02 j 21:27	0°♉	
max. Earth dist.	-11233 Jul 10 j 23:36	6°♉07'31	2.40513 AU
	-11233 Aug 11 j 00:20	0°♊	
conjunction	-11233 Aug 12 j 03:33	0°♊52'54	1°03'35
minimum elong	-11233 Aug 12 j 06:10	0°♊57'59	1°04'05
	-11233 Sep 18 j 09:26	0°♋	
morning rise	-11233 Oct 14 j 12:11	20°♋23'19	
	-11233 Oct 26 j 22:10	0°♌	
desc. node	-11233 Nov 20 j 02:39	18°♌28'45	
	-11233 Dec 05 j 11:17	0°♍	
	-11232 Jan 15 j 20:20	0°♎	
	-11232 Feb 28 j 20:43	0°♏	
	-11232 Apr 16 j 20:30	0°♐	
	-11232 Jun 13 j 11:55	0°♑	
retrograde	-11232 Aug 03 j 06:38	12°♑37'20	
opposition	-11232 Sep 11 j 20:13	3°♑04'09	-2°30'02
greatest brilliancy	-11232 Sep 11 j 22:46	3°♑01'36	-1.4m
min. Earth dist.	-11232 Sep 12 j 18:32	2°♑41'47	0.66451 AU
	-11232 Sep 19 j 14:57	30°℞♐	
direct	-11232 Oct 22 j 06:49	23°♐13'47	
asc. node	-11232 Nov 16 j 00:32	26°♐39'08	
	-11232 Nov 27 j 05:32	0°♑	
	-11231 Jan 29 j 10:51	0°♒	
	-11231 Mar 19 j 07:50	0°♓	
	-11231 May 02 j 06:15	0°♈	
	-11231 Jun 12 j 05:06	0°♉	
	-11231 Jul 21 j 08:10	0°♊	
evening set	-11231 Aug 14 j 20:35	19°♊09'47	
	-11231 Aug 28 j 16:12	0°♋	
desc. node	-11231 Oct 06 j 21:21	0°♌32'57	
	-11231 Oct 06 j 04:15	0°♌	
conjunction	-11231 Oct 16 j 16:52	8°♌05'27	-0°07'28
minimum elong	-11231 Oct 16 j 16:14	8°♌04'16	0°06'57
behind sun begin	-11231 Oct 15 j 15:46	7°♌17'25	
behind sun end	-11231 Oct 17 j 16:43	8°♌51'04	
	-11231 Nov 14 j 16:54	0°♍	
max. Earth dist.	-11231 Nov 30 j 13:31	11°♍42'14	2.43627 AU
morning rise	-11231 Dec 18 j 04:14	24°♍27'19	
	-11231 Dec 25 j 22:57	0°♎	
	-11230 Feb 07 j 09:44	0°♏	
	-11230 Mar 25 j 09:28	0°♐	
	-11230 May 13 j 15:23	0°♑	
	-11230 Jul 09 j 01:06	0°♒	
retrograde	-11230 Sep 09 j 10:45	17°♒28'35	
asc. node	-11230 Oct 04 j 03:52	13°♒31'59	
opposition	-11230 Oct 17 j 13:23	8°♒42'19	0°34'10
greatest brilliancy	-11230 Oct 17 j 15:22	8°♒40'23	-1.6m
min. Earth dist.	-11230 Oct 22 j 03:49	6°♒54'35	0.62445 AU
	-11230 Nov 13 j 17:20	30°℞♑	
direct	-11230 Nov 27 j 09:07	28°♑45'41	
	-11230 Dec 11 j 13:44	0°♒	
	-11229 Feb 21 j 12:39	0°♓	
	-11229 Apr 09 j 21:40	0°♈	
	-11229 May 22 j 01:33	0°♉	
	-11229 Jun 30 j 18:23	0°♊	
	-11229 Aug 08 j 11:41	0°♋	
desc. node	-11229 Aug 24 j 20:50	12°♋42'21	
	-11229 Sep 16 j 08:01	0°♌	
evening set	-11229 Oct 18 j 03:11	24°♌01'13	
	-11229 Oct 26 j 04:37	0°♍	
	-11229 Dec 06 j 17:06	0°♎	
conjunction	-11229 Dec 14 j 16:52	5°♎37'00	-1°05'57
minimum elong	-11229 Dec 14 j 14:51	5°♎33'28	1°05'58
max. Earth dist.	-11228 Jan 15 j 18:53	27°♎40'53	2.55565 AU
	-11228 Jan 19 j 05:19	0°♏	
morning rise	-11228 Feb 07 j 04:34	12°♏39'36	
	-11228 Mar 04 j 17:17	0°♐	
	-11228 Apr 21 j 00:36	0°♑	
	-11228 Jun 09 j 07:36	0°♒	
	-11228 Aug 01 j 17:00	0°♓	
asc. node	-11228 Aug 21 j 03:05	9°♓36'27	
retrograde	-11228 Oct 23 j 16:49	27°♓38'35	
opposition	-11228 Nov 28 j 01:04	20°♓11'45	4°22'25
greatest brilliancy	-11228 Nov 29 j 02:57	19°♓48'24	-2.0m

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

min. Earth dist.	-11228 Dec 05 j 16:18	17°♓26'35	0.52838 AU
direct	-11227 Jan 06 j 03:14	11°♓07'08	
	-11227 Mar 07 j 11:43	0°♈	
	-11227 Apr 25 j 05:42	0°♉	
	-11227 Jun 06 j 08:06	0°♊	
desc. node	-11227 Jul 11 j 23:24	26°♊37'32	
	-11227 Jul 16 j 10:53	0°♋	
	-11227 Aug 25 j 08:51	0°♌	
	-11227 Oct 05 j 03:00	0°♍	
	-11227 Nov 16 j 09:06	0°♎	
evening set	-11227 Dec 09 j 01:33	15°♎36'50	
	-11227 Dec 30 j 09:22	0°♏	
conjunction	-11226 Jan 29 j 15:17	19°♏59'26	-1°11'36
minimum elong	-11226 Jan 29 j 16:13	20°♏00'58	1°12'02
max. Earth dist.	-11226 Feb 13 j 03:47	29°♏26'41	2.63601 AU
	-11226 Feb 14 j 00:21	0°♐	
morning rise	-11226 Mar 19 j 21:09	21°♐46'53	
	-11226 Apr 01 j 18:25	0°♑	
	-11226 May 19 j 02:53	0°♒	
	-11226 Jul 05 j 21:27	0°♓	
asc. node	-11226 Jul 08 j 21:44	1°♓52'35	
	-11226 Aug 23 j 19:13	0°♈	
	-11226 Oct 16 j 03:09	0°♉	
retrograde	-11226 Dec 26 j 06:01	22°♉29'43	
opposition	-11225 Jan 26 j 17:08	16°♉59'08	6°52'53
greatest brilliancy	-11225 Jan 28 j 04:50	16°♉33'10	-2.6m
min. Earth dist.	-11225 Feb 01 j 19:17	15°♉13'24	0.41156 AU
direct	-11225 Mar 01 j 03:56	10°♉40'31	
	-11225 Apr 30 j 04:33	0°♊	
desc. node	-11225 May 30 j 03:57	17°♊49'09	
	-11225 Jun 17 j 20:25	0°♋	
	-11225 Jul 31 j 17:47	0°♌	
	-11225 Sep 13 j 00:36	0°♍	
	-11225 Oct 27 j 00:25	0°♎	
	-11225 Dec 11 j 04:38	0°♏	
evening set	-11224 Jan 21 j 15:12	26°♏53'23	
	-11224 Jan 26 j 11:16	0°♐	
max. Earth dist.	-11224 Mar 08 j 23:45	27°♐14'03	2.66472 AU
conjunction	-11224 Mar 10 j 04:29	28°♐00'01	-0°42'44
minimum elong	-11224 Mar 10 j 05:56	28°♐02'19	0°43'20
	-11224 Mar 13 j 07:32	0°♑	
morning rise	-11224 Apr 26 j 04:01	28°♑09'32	
	-11224 Apr 29 j 00:24	0°♒	
asc. node	-11224 May 25 j 13:46	17°♒15'05	
	-11224 Jun 14 j 00:12	0°♓	
	-11224 Jul 29 j 02:08	0°♈	
	-11224 Sep 11 j 11:29	0°♉	
	-11224 Oct 25 j 19:25	0°♊	
	-11224 Dec 10 j 18:25	0°♋	
	-11223 Feb 04 j 23:30	0°♌	
retrograde	-11223 Mar 12 j 02:26	7°♌30'07	
min. Earth dist.	-11223 Apr 08 j 13:59	2°♌51'32	0.40138 AU
opposition	-11223 Apr 14 j 02:52	1°♌14'19	0°10'24
greatest brilliancy	-11223 Apr 14 j 02:13	1°♌14'49	-2.8m
desc. node	-11223 Apr 16 j 09:32	0°♌34'25	
	-11223 Apr 18 j 09:41	30°℞♋	
direct	-11223 May 14 j 21:27	25°♋47'32	
	-11223 Jun 10 j 11:13	0°♌	
	-11223 Aug 13 j 11:48	0°♍	
	-11223 Oct 02 j 11:52	0°♎	
	-11223 Nov 19 j 14:14	0°♏	
	-11222 Jan 06 j 09:19	0°♐	
	-11222 Feb 22 j 21:27	0°♑	
evening set	-11222 Mar 01 j 06:27	4°♑03'22	
max. Earth dist.	-11222 Apr 03 j 00:58	25°♑06'03	2.63987 AU
	-11222 Apr 10 j 13:57	0°♒	
asc. node	-11222 Apr 12 j 06:58	1°♒06'49	
conjunction	-11222 Apr 18 j 06:23	5°♒01'00	0°03'40
minimum elong	-11222 Apr 18 j 06:13	5°♒00'44	0°03'06
behind sun begin	-11222 Apr 17 j 10:41	4°♒28'47	
behind sun end	-11222 Apr 19 j 01:46	5°♒32'43	
	-11222 May 25 j 21:32	0°♓	
morning rise	-11222 Jun 04 j 13:36	6°♓32'41	
	-11222 Jul 08 j 13:41	0°♈	
	-11222 Aug 19 j 16:47	0°♉	
	-11222 Sep 29 j 16:04	0°♊	
	-11222 Nov 09 j 03:01	0°♋	
	-11222 Dec 20 j 02:42	0°♌	
	-11221 Feb 01 j 15:59	0°♍	
desc. node	-11221 Mar 04 j 09:55	18°♍36'30	
	-11221 Mar 27 j 11:52	0°♎	
retrograde	-11221 May 06 j 16:24	9°♎36'19	
min. Earth dist.	-11221 Jun 06 j 03:21	3°♎21'43	0.51617 AU
greatest brilliancy	-11221 Jun 12 j 10:42	1°♎02'07	-2.0m
opposition	-11221 Jun 13 j 19:07	0°♎32'05	-5°02'23
	-11221 Jun 15 j 06:00	30°℞♍	
direct	-11221 Jul 18 j 09:01	23°♍03'49	
	-11221 Aug 23 j 02:45	0°♎	
	-11221 Oct 25 j 13:37	0°♏	
	-11221 Dec 16 j 14:12	0°♐	
	-11220 Feb 03 j 19:17	0°♑	
asc. node	-11220 Feb 28 j 05:30	15°♑20'52	
	-11220 Mar 22 j 01:43	0°♒	
evening set	-11220 Apr 09 j 13:50	12°♒06'22	
max. Earth dist.	-11220 Apr 30 j 07:22	25°♒56'54	2.56414 AU
	-11220 May 06 j 06:58	0°♓	
conjunction	-11220 May 29 j 10:46	15°♓56'39	0°51'35
minimum elong	-11220 May 29 j 08:56	15°♓53'26	0°51'22
	-11220 Jun 18 j 09:05	0°♈	
morning rise	-11220 Jul 19 j 12:01	22°♈33'41	
	-11220 Jul 29 j 13:23	0°♉	
	-11220 Sep 07 j 07:46	0°♊	
	-11220 Oct 16 j 09:07	0°♋	
	-11220 Nov 24 j 14:06	0°♌	
	-11219 Jan 03 j 23:35	0°♍	
desc. node	-11219 Jan 19 j 05:15	10°♍54'06	
	-11219 Feb 16 j 01:12	0°♎	
	-11219 Apr 06 j 05:40	0°♏	
retrograde	-11219 Jun 15 j 20:57	23°♏28'19	
min. Earth dist.	-11219 Jul 21 j 08:20	15°♏17'34	0.61809 AU
opposition	-11219 Jul 25 j 16:10	13°♏34'09	-5°12'08
greatest brilliancy	-11219 Jul 24 j 22:40	13°♏51'36	-1.5m
direct	-11219 Sep 01 j 11:22	4°♏42'11	
	-11219 Nov 19 j 06:41	0°♐	
	-11218 Jan 12 j 17:40	0°♑	
asc. node	-11218 Jan 15 j 08:42	1°♑32'53	
	-11218 Mar 02 j 17:13	0°♒	
	-11218 Apr 17 j 10:14	0°♓	
evening set	-11218 May 25 j 10:33	26°♓25'59	
	-11218 May 30 j 10:11	0°♈	
max. Earth dist.	-11218 Jun 11 j 12:12	8°♈44'18	2.44981 AU
	-11218 Jul 10 j 05:05	0°♉	
conjunction	-11218 Jul 19 j 13:02	7°♉02'59	1°12'50
minimum elong	-11218 Jul 19 j 13:31	7°♉03'53	1°13'10
	-11218 Aug 18 j 10:45	0°♊	
morning rise	-11218 Sep 17 j 09:01	23°♊18'41	
	-11218 Sep 25 j 22:28	0°♋	
	-11218 Nov 03 j 13:20	0°♌	
desc. node	-11218 Dec 06 j 23:00	25°♌21'33	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11218 Dec 13 j 04:36	0°♍		
	-11217 Jan 23 j 17:52	0°♎		
	-11217 Mar 09 j 07:07	0°♏		
	-11217 Apr 28 j 04:32	0°♐		
retrograde	-11217 Jul 21 j 15:33	29°♐31'31		
opposition	-11217 Aug 30 j 11:52	19°♐46'33	-3°27'35	
greatest brilliancy	-11217 Aug 30 j 11:01	19°♐47'25	-1.4m	
min. Earth dist.	-11217 Aug 29 j 23:03	19°♐59'27	0.66356 AU	
direct	-11217 Oct 09 j 09:45	10°♐07'10		
asc. node	-11217 Dec 03 j 14:17	24°♐17'12		
	-11217 Dec 16 j 02:43	0°♑		
	-11216 Feb 09 j 01:23	0°♒		
	-11216 Mar 27 j 11:13	0°♓		
	-11216 May 09 j 22:51	0°♈		
	-11216 Jun 19 j 18:21	0°♉		
evening set	-11216 Jul 20 j 11:44	23°♉30'08		
	-11216 Jul 28 j 20:34	0°♊		
	-11216 Sep 05 j 04:09	0°♋		
conjunction	-11216 Sep 20 j 14:40	12°♋05'27	0°24'56	
minimum elong	-11216 Sep 20 j 16:55	12°♋09'51	0°25'31	
	-11216 Oct 13 j 15:30	0°♌		
max. Earth dist.	-11216 Oct 22 j 17:40	6°♌59'51	2.39347 AU	
desc. node	-11216 Oct 23 j 16:39	7°♌43'55		
	-11216 Nov 22 j 03:08	0°♍		
morning rise	-11216 Nov 24 j 06:05	1°♍34'52		
	-11215 Jan 02 j 08:30	0°♎		
	-11215 Feb 14 j 21:31	0°♏		
	-11215 Apr 02 j 08:18	0°♐		
	-11215 May 23 j 06:42	0°♑		
	-11215 Jul 30 j 08:19	0°♒		
retrograde	-11215 Aug 25 j 10:48	3°♒47'30		
	-11215 Sep 18 j 13:50	30°℞♑		
opposition	-11215 Oct 03 j 06:17	24°♑39'42	-0°43'13	
greatest brilliancy	-11215 Oct 03 j 08:37	24°♑37'24	-1.5m	
min. Earth dist.	-11215 Oct 06 j 10:49	23°♑23'57	0.64743 AU	
asc. node	-11215 Oct 20 j 19:16	18°♑14'58		
direct	-11215 Nov 13 j 02:58	14°♑40'51		
	-11214 Jan 08 j 18:55	0°♒		
	-11214 Mar 04 j 10:44	0°♓		
	-11214 Apr 18 j 21:08	0°♈		
	-11214 May 30 j 09:15	0°♉		
	-11214 Jul 08 j 18:29	0°♊		
	-11214 Aug 16 j 06:26	0°♋		
desc. node	-11214 Sep 10 j 13:29	19°♋41'29		
	-11214 Sep 23 j 22:02	0°♌		
evening set	-11214 Sep 24 j 02:21	0°♌08'17		
	-11214 Nov 02 j 14:09	0°♍		
conjunction	-11214 Nov 23 j 09:54	15°♍16'50	-0°49'49	
minimum elong	-11214 Nov 23 j 07:08	15°♍11'48	0°49'34	
	-11214 Dec 13 j 22:38	0°♎		
max. Earth dist.	-11213 Jan 01 j 08:00	12°♎53'20	2.51198 AU	
morning rise	-11213 Jan 19 j 20:57	25°♎36'37		
	-11213 Jan 26 j 08:40	0°♏		
	-11213 Mar 12 j 22:27	0°♐		
	-11213 Apr 29 j 17:26	0°♑		
	-11213 Jun 19 j 14:20	0°♒		
	-11213 Aug 18 j 20:46	0°♓		
asc. node	-11213 Sep 07 j 19:58	6°♓52'34		
retrograde	-11213 Oct 05 j 13:23	11°♓04'44		
opposition	-11213 Nov 11 j 04:11	3°♓01'37	2°50'03	
greatest brilliancy	-11213 Nov 11 j 18:35	2°♓48'05	-1.8m	
min. Earth dist.	-11213 Nov 17 j 19:18	0°♓32'06	0.57205 AU	
	-11213 Nov 19 j 06:11	30°℞♒		
direct	-11213 Dec 21 j 07:27	23°♒25'38		
	-11212 Jan 24 j 01:34	0°♓		
	-11212 Mar 22 j 14:53	0°♈		
	-11212 May 06 j 03:58	0°♉		
	-11212 Jun 15 j 21:19	0°♊		
	-11212 Jul 25 j 05:37	0°♋		
desc. node	-11212 Jul 28 j 16:20	2°♋38'23		
	-11212 Sep 02 j 13:50	0°♌		
	-11212 Oct 12 j 20:43	0°♍		
evening set	-11212 Nov 19 j 22:00	27°♍19'09		
	-11212 Nov 23 j 17:35	0°♎		
	-11211 Jan 06 j 11:24	0°♏		
conjunction	-11211 Jan 12 j 12:16	4°♏02'38	-1°14'39	
minimum elong	-11211 Jan 12 j 12:15	4°♏02'37	1°14'57	
max. Earth dist.	-11211 Feb 02 j 16:32	18°♏04'02	2.61049 AU	
	-11211 Feb 20 j 23:25	0°♐		
morning rise	-11211 Mar 04 j 09:46	7°♐23'12		
	-11211 Apr 08 j 20:11	0°♑		
	-11211 May 26 j 17:06	0°♒		
	-11211 Jul 14 j 20:08	0°♓		
asc. node	-11211 Jul 25 j 15:50	6°♓25'21		
	-11211 Sep 05 j 11:18	0°♈		
retrograde	-11211 Nov 28 j 10:46	28°♈38'29		
opposition	-11211 Dec 31 j 11:50	22°♈20'51	6°28'45	
greatest brilliancy	-11210 Jan 02 j 04:04	21°♈48'11	-2.4m	
min. Earth dist.	-11210 Jan 08 j 07:49	19°♈49'23	0.45454 AU	
direct	-11210 Feb 05 j 15:09	14°♈44'10		
	-11210 Mar 29 j 20:34	0°♉		
	-11210 May 18 j 12:14	0°♊		
desc. node	-11210 Jun 15 j 20:58	19°♊38'29		
	-11210 Jun 30 j 09:31	0°♋		
	-11210 Aug 10 j 22:36	0°♌		
	-11210 Sep 21 j 20:23	0°♍		
	-11210 Nov 03 j 22:26	0°♎		
	-11210 Dec 18 j 12:30	0°♏		
evening set	-11209 Jan 05 j 10:23	11°♏47'21		
	-11209 Feb 02 j 10:51	0°♐		
conjunction	-11209 Feb 23 j 20:34	13°♐46'37	-0°56'48	
minimum elong	-11209 Feb 23 j 22:08	13°♐49'07	0°57'21	
max. Earth dist.	-11209 Feb 28 j 14:40	16°♐49'31	2.65975 AU	
	-11209 Mar 21 j 04:37	0°♑		
morning rise	-11209 Apr 12 j 10:14	14°♑13'00		
	-11209 May 07 j 01:28	0°♒		
asc. node	-11209 Jun 12 j 08:16	23°♒22'57		
	-11209 Jun 22 j 13:25	0°♓		
	-11209 Aug 07 j 15:39	0°♈		
	-11209 Sep 22 j 21:06	0°♉		
	-11209 Nov 09 j 20:31	0°♊		
	-11208 Jan 07 j 00:04	0°♋		
retrograde	-11208 Feb 12 j 13:17	7°♋42'09		
opposition	-11208 Mar 14 j 17:02	2°♋24'41	3°47'07	
min. Earth dist.	-11208 Mar 13 j 14:14	2°♋42'44	0.38359 AU	
greatest brilliancy	-11208 Mar 14 j 17:52	2°♋24'07	-2.9m	
	-11208 Mar 24 j 02:37	30°℞♊		
direct	-11208 Apr 14 j 01:17	27°♊18'29		
desc. node	-11208 May 03 j 01:14	29°♊32'57		
	-11208 May 04 j 22:45	0°♋		
	-11208 Jul 09 j 02:35	0°♌		
	-11208 Aug 26 j 13:56	0°♍		
	-11208 Oct 12 j 01:57	0°♎		
	-11208 Nov 27 j 15:33	0°♏		
	-11207 Jan 13 j 16:17	0°♐		
evening set	-11207 Feb 14 j 00:30	19°♐55'19		
	-11207 Mar 01 j 20:08	0°♑		
max. Earth dist.	-11207 Mar 24 j 04:29	14°♑18'22	2.65585 AU	
conjunction	-11207 Apr 02 j 23:21	20°♑36'30	-0°15'32	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

minimum elong	-11207 Apr 02 j 23:59	20°♉37'32	0°16'08
	-11207 Apr 17 j 11:26	0°♒	
asc. node	-11207 Apr 29 j 00:56	7°♒32'30	
morning rise	-11207 May 19 j 19:50	21°♒13'57	
	-11207 Jun 01 j 23:39	0°♓	
	-11207 Jul 16 j 02:11	0°♈	
	-11207 Aug 27 j 20:55	0°♉	
	-11207 Oct 08 j 17:06	0°♊	
	-11207 Nov 19 j 07:29	0°♋	
	-11206 Jan 01 j 03:04	0°♌	
	-11206 Feb 18 j 14:12	0°♍	
desc. node	-11206 Mar 21 j 03:41	13°♍35'28	
retrograde	-11206 Apr 17 j 10:56	18°♍25'55	
min. Earth dist.	-11206 May 16 j 00:03	13°♍00'30	0.46713 AU
greatest brilliancy	-11206 May 22 j 21:44	10°♍37'37	-2.3m
opposition	-11206 May 24 j 02:12	10°♍12'59	-3°52'49
direct	-11206 Jun 26 j 01:28	3°♍30'51	
	-11206 Sep 12 j 18:43	0°♎	
	-11206 Nov 04 j 23:39	0°♏	
	-11206 Dec 24 j 17:55	0°♐	
	-11205 Feb 11 j 02:32	0°♑	
asc. node	-11205 Mar 16 j 21:27	21°♑28'40	
evening set	-11205 Mar 25 j 12:51	27°♑03'19	
	-11205 Mar 30 j 01:45	0°♒	
max. Earth dist.	-11205 Apr 19 j 15:08	13°♒29'08	2.59940 AU
conjunction	-11205 May 13 j 08:35	29°♒22'27	0°34'05
minimum elong	-11205 May 13 j 07:13	29°♒20'08	0°33'42
	-11205 May 14 j 06:45	0°♓	
	-11205 Jun 26 j 13:15	0°♈	
morning rise	-11205 Jul 01 j 10:06	3°♈27'37	
	-11205 Aug 07 j 00:46	0°♉	
	-11205 Sep 16 j 04:08	0°♊	
	-11205 Oct 25 j 15:07	0°♋	
	-11205 Dec 04 j 06:52	0°♌	
	-11204 Jan 14 j 08:23	0°♍	
desc. node	-11204 Feb 06 j 01:32	15°♍43'09	
	-11204 Feb 27 j 23:30	0°♎	
	-11204 Apr 24 j 20:41	0°♏	
retrograde	-11204 May 31 j 21:29	7°♏57'29	
min. Earth dist.	-11204 Jul 04 j 12:22	0°♏28'01	0.58404 AU
	-11204 Jul 05 j 17:14	30°℞♎	
greatest brilliancy	-11204 Jul 09 j 05:46	28°♎37'07	-1.7m
opposition	-11204 Jul 10 j 06:50	28°♎12'31	-5°28'09
direct	-11204 Aug 15 j 23:10	19°♎47'55	
	-11204 Sep 30 j 01:54	0°♏	
	-11204 Nov 30 j 10:50	0°♐	
	-11203 Jan 21 j 01:04	0°♑	
asc. node	-11203 Jan 31 j 23:25	6°♑39'30	
	-11203 Mar 10 j 04:00	0°♒	
	-11203 Apr 24 j 14:41	0°♓	
evening set	-11203 May 06 j 13:16	8°♓10'10	
max. Earth dist.	-11203 May 22 j 20:38	19°♓31'42	2.49711 AU
	-11203 Jun 06 j 14:33	0°♈	
conjunction	-11203 Jun 28 j 03:46	15°♈38'21	1°10'36
minimum elong	-11203 Jun 28 j 02:33	15°♈36'08	1°10'42
	-11203 Jul 17 j 12:06	0°♉	
morning rise	-11203 Aug 23 j 01:26	27°♉48'33	
	-11203 Aug 25 j 21:39	0°♊	
	-11203 Oct 03 j 13:22	0°♋	
	-11203 Nov 11 j 07:59	0°♌	
	-11203 Dec 21 j 03:40	0°♍	
desc. node	-11203 Dec 23 j 18:28	1°♍55'39	
	-11202 Feb 01 j 01:02	0°♎	
	-11202 Mar 18 j 12:57	0°♏	
	-11202 May 11 j 08:58	0°♐	
retrograde	-11202 Jul 08 j 00:43	16°♐10'05	
min. Earth dist.	-11202 Aug 14 j 23:30	7°♐06'07	0.65309 AU
opposition	-11202 Aug 16 j 23:51	6°♐17'25	-4°16'34
greatest brilliancy	-11202 Aug 16 j 17:31	6°♐23'48	-1.4m
	-11202 Sep 03 j 11:17	30°℞♏	
direct	-11202 Sep 25 j 04:47	26°♏53'18	
	-11202 Oct 18 j 18:47	0°♐	
asc. node	-11202 Dec 20 j 04:15	25°♐48'09	
	-11202 Dec 28 j 01:56	0°♑	
	-11201 Feb 17 j 16:15	0°♒	
	-11201 Apr 05 j 05:14	0°♓	
	-11201 May 18 j 10:47	0°♈	
evening set	-11201 Jun 27 j 14:43	29°♈32'54	
	-11201 Jun 28 j 05:06	0°♉	
	-11201 Aug 06 j 07:48	0°♊	
max. Earth dist.	-11201 Aug 08 j 02:58	1°♊23'58	2.38725 AU
conjunction	-11201 Aug 26 j 08:48	15°♊39'10	0°52'40
minimum elong	-11201 Aug 26 j 12:05	15°♊45'35	0°53'13
	-11201 Sep 13 j 15:56	0°♋	
	-11201 Oct 22 j 03:20	0°♌	
morning rise	-11201 Oct 29 j 23:29	6°♌02'17	
desc. node	-11201 Nov 10 j 12:39	14°♌52'02	
	-11201 Nov 30 j 14:50	0°♍	
	-11200 Jan 10 j 21:00	0°♎	
	-11200 Feb 23 j 15:04	0°♏	
	-11200 Apr 10 j 20:23	0°♐	
	-11200 Jun 03 j 21:24	0°♑	
retrograde	-11200 Aug 11 j 06:25	20°♑35'10	
opposition	-11200 Sep 19 j 14:26	11°♑10'04	-1°52'54
greatest brilliancy	-11200 Sep 19 j 17:46	11°♑06'44	-1.4m
min. Earth dist.	-11200 Sep 21 j 08:25	10°♑28'06	0.66109 AU
direct	-11200 Oct 30 j 05:45	1°♑15'15	
asc. node	-11200 Nov 06 j 09:05	1°♑34'11	
	-11199 Jan 22 j 10:17	0°♒	
	-11199 Mar 13 j 18:31	0°♓	
	-11199 Apr 27 j 04:15	0°♈	
	-11199 Jun 07 j 07:39	0°♉	
	-11199 Jul 16 j 13:00	0°♊	
	-11199 Aug 23 j 22:10	0°♋	
evening set	-11199 Aug 29 j 10:47	4°♋19'36	
desc. node	-11199 Sep 27 j 09:01	26°♋51'07	
	-11199 Oct 01 j 10:52	0°♌	
conjunction	-11199 Oct 30 j 20:28	22°♌24'40	-0°24'44
minimum elong	-11199 Oct 30 j 18:30	22°♌20'57	0°24'18
	-11199 Nov 09 j 23:51	0°♍	
max. Earth dist.	-11199 Dec 14 j 01:41	24°♍53'46	2.46322 AU
	-11199 Dec 21 j 05:25	0°♎	
morning rise	-11199 Dec 30 j 15:34	6°♎39'07	
	-11198 Feb 02 j 14:23	0°♏	
	-11198 Mar 20 j 08:22	0°♐	
	-11198 May 07 j 21:31	0°♑	
	-11198 Jun 30 j 11:26	0°♒	
retrograde	-11198 Sep 18 j 13:06	26°♒03'26	
asc. node	-11198 Sep 24 j 11:31	25°♒50'02	
opposition	-11198 Oct 26 j 04:10	17°♒31'01	1°22'05
greatest brilliancy	-11198 Oct 26 j 09:43	17°♒25'40	-1.6m
min. Earth dist.	-11198 Oct 31 j 12:54	15°♒26'43	0.60811 AU
direct	-11198 Dec 05 j 20:21	7°♒38'37	
	-11197 Feb 13 j 05:41	0°♓	
	-11197 Apr 03 j 18:32	0°♈	
	-11197 May 16 j 13:45	0°♉	
	-11197 Jun 25 j 13:46	0°♊	
	-11197 Aug 03 j 11:21	0°♋	
desc. node	-11197 Aug 15 j 08:33	9°♋11'17	
	-11197 Sep 11 j 10:53	0°♌	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11197 Oct 21 j 10:09	0°♍	
evening set	-11197 Oct 30 j 21:34	6°♍57'07	
	-11197 Dec 02 j 00:27	0°♎	
conjunction	-11197 Dec 25 j 23:19	16°♎40'17	-1°11'17
minimum elong	-11197 Dec 25 j 22:02	16°♎38'04	1°11'25
	-11196 Jan 14 j 13:31	0°♏	
max. Earth dist.	-11196 Jan 23 j 00:50	5°♏41'06	2.57709 AU
morning rise	-11196 Feb 17 j 01:09	22°♏12'58	
	-11196 Feb 29 j 00:09	0°♐	
	-11196 Apr 16 j 02:06	0°♑	
	-11196 Jun 03 j 17:29	0°♒	
	-11196 Jul 25 j 01:19	0°♓	
asc. node	-11196 Aug 11 j 09:17	9°♓24'06	
	-11196 Sep 25 j 05:40	0°♈	
retrograde	-11196 Nov 04 j 16:49	8°♈21'48	
opposition	-11196 Dec 09 j 06:12	1°♈17'41	5°13'18
greatest brilliancy	-11196 Dec 10 j 14:36	0°♈49'16	-2.1m
	-11196 Dec 12 j 22:31	30°♓℞	
min. Earth dist.	-11196 Dec 17 j 04:55	28°♓30'57	0.50259 AU
direct	-11195 Jan 16 j 11:44	22°♓38'01	
	-11195 Feb 20 j 13:21	0°♈	
	-11195 Apr 17 j 08:06	0°♉	
	-11195 May 30 j 21:23	0°♊	
desc. node	-11195 Jul 02 j 11:59	23°♊55'13	
	-11195 Jul 10 j 16:16	0°♋	
	-11195 Aug 20 j 00:13	0°♌	
	-11195 Sep 30 j 01:43	0°♍	
	-11195 Nov 11 j 13:01	0°♎	
evening set	-11195 Dec 19 j 08:29	25°♎45'18	
	-11195 Dec 25 j 16:55	0°♏	
conjunction	-11194 Feb 08 j 00:55	29°♏07'15	-1°07'24
minimum elong	-11194 Feb 08 j 02:13	29°♏09'21	1°07'54
	-11194 Feb 09 j 09:29	0°♐	
max. Earth dist.	-11194 Feb 19 j 00:12	6°♐12'46	2.64671 AU
morning rise	-11194 Mar 28 j 13:49	0°♑17'47	
	-11194 Mar 28 j 02:40	0°♑	
	-11194 May 14 j 05:50	0°♒	
asc. node	-11194 Jun 29 j 03:08	29°♒09'19	
	-11194 Jun 30 j 11:06	0°♓	
	-11194 Aug 17 j 02:09	0°♈	
	-11194 Oct 05 j 16:57	0°♉	
	-11194 Dec 04 j 14:21	0°♊	
retrograde	-11193 Jan 12 j 11:41	8°♊10'21	
opposition	-11193 Feb 12 j 07:52	2°♊57'09	6°21'12
greatest brilliancy	-11193 Feb 13 j 08:51	2°♊39'51	-2.8m
min. Earth dist.	-11193 Feb 16 j 08:28	1°♊50'20	0.39470 AU
	-11193 Feb 23 j 09:58	30°℞♉	
direct	-11193 Mar 16 j 09:59	27°♉16'25	
	-11193 Apr 05 j 23:03	0°♊	
desc. node	-11193 May 20 j 17:18	19°♊14'29	
	-11193 Jun 08 j 03:33	0°♋	
	-11193 Jul 24 j 15:20	0°♌	
	-11193 Sep 07 j 02:32	0°♍	
	-11193 Oct 21 j 18:02	0°♎	
	-11193 Dec 06 j 07:30	0°♏	
	-11192 Jan 21 j 19:10	0°♐	
evening set	-11192 Jan 30 j 15:10	5°♐39'14	
	-11192 Mar 08 j 17:35	0°♑	
max. Earth dist.	-11192 Mar 14 j 12:37	3°♑42'23	2.66384 AU
conjunction	-11192 Mar 18 j 21:01	6°♑29'28	-0°33'20
minimum elong	-11192 Mar 18 j 22:14	6°♑31'25	0°33'57
	-11192 Apr 24 j 09:35	0°♒	
morning rise	-11192 May 04 j 16:51	6°♒41'24	
asc. node	-11192 May 15 j 19:20	13°♒56'09	
	-11192 Jun 09 j 04:43	0°♓	
	-11192 Jul 23 j 21:07	0°♈	
	-11192 Sep 05 j 13:45	0°♉	
	-11192 Oct 18 j 18:11	0°♊	
	-11192 Dec 01 j 11:06	0°♋	
	-11191 Jan 17 j 22:02	0°♌	
retrograde	-11191 Mar 26 j 07:02	23°♌38'23	
desc. node	-11191 Apr 06 j 20:25	22°♌42'01	
min. Earth dist.	-11191 Apr 22 j 17:27	18°♌50'11	0.42153 AU
opposition	-11191 Apr 29 j 18:17	16°♌37'59	-1°38'23
greatest brilliancy	-11191 Apr 29 j 06:28	16°♌47'17	-2.7m
direct	-11191 May 31 j 04:29	10°♌45'51	
	-11191 Aug 02 j 16:36	0°♍	
	-11191 Sep 25 j 17:12	0°♎	
	-11191 Nov 14 j 02:26	0°♏	
	-11190 Jan 01 j 11:01	0°♐	
	-11190 Feb 18 j 05:29	0°♑	
evening set	-11190 Mar 10 j 00:38	12°♑35'52	
asc. node	-11190 Apr 02 j 14:13	27°♑46'43	
	-11190 Apr 06 j 00:16	0°♒	
max. Earth dist.	-11190 Apr 08 j 23:20	1°♒55'43	2.62777 AU
conjunction	-11190 Apr 27 j 04:40	13°♒53'43	0°14'53
minimum elong	-11190 Apr 27 j 04:04	13°♒52'43	0°14'23
behind sun begin	-11190 Apr 26 j 19:19	13°♒38'16	
behind sun end	-11190 Apr 27 j 12:49	14°♒07'11	
	-11190 May 21 j 07:06	0°♓	
morning rise	-11190 Jun 13 j 22:46	16°♓08'52	
	-11190 Jul 03 j 19:59	0°♈	
	-11190 Aug 14 j 17:09	0°♉	
	-11190 Sep 24 j 08:21	0°♊	
	-11190 Nov 03 j 08:49	0°♋	
	-11190 Dec 13 j 17:12	0°♌	
	-11189 Jan 24 j 23:37	0°♍	
desc. node	-11189 Feb 22 j 19:53	18°♍43'57	
	-11189 Mar 14 j 05:11	0°♎	
retrograde	-11189 May 16 j 18:01	20°♎49'47	
min. Earth dist.	-11189 Jun 17 j 08:16	14°♎07'08	0.54220 AU
greatest brilliancy	-11189 Jun 23 j 03:04	11°♎55'40	-1.9m
opposition	-11189 Jun 24 j 10:06	11°♎26'08	-5°21'24
direct	-11189 Jul 29 j 19:35	3°♎35'28	
	-11189 Oct 17 j 17:37	0°♏	
	-11189 Dec 10 j 21:42	0°♐	
	-11188 Jan 29 j 19:48	0°♑	
asc. node	-11188 Feb 18 j 13:38	12°♑17'12	
	-11188 Mar 17 j 09:00	0°♒	
evening set	-11188 Apr 19 j 02:20	21°♒30'50	
	-11188 May 01 j 16:22	0°♓	
max. Earth dist.	-11188 May 07 j 22:16	4°♓15'24	2.54194 AU
conjunction	-11188 Jun 08 j 18:09	26°♓26'23	1°00'04
minimum elong	-11188 Jun 08 j 16:17	26°♓23'04	0°59'59
	-11188 Jun 13 j 18:11	0°♈	
	-11188 Jul 24 j 20:23	0°♉	
morning rise	-11188 Jul 31 j 06:12	4°♉47'21	
	-11188 Sep 02 j 11:43	0°♊	
	-11188 Oct 11 j 09:22	0°♋	
	-11188 Nov 19 j 09:38	0°♌	
	-11188 Dec 29 j 12:17	0°♍	
desc. node	-11187 Jan 09 j 16:08	8°♍05'43	
	-11187 Feb 09 j 23:25	0°♎	
	-11187 Mar 29 j 04:58	0°♏	
	-11187 Jun 04 j 21:55	0°♐	
retrograde	-11187 Jun 24 j 03:50	2°♐16'28	
	-11187 Jul 12 j 06:15	30°℞♏	
min. Earth dist.	-11187 Jul 30 j 13:13	23°♏45'17	0.63303 AU
greatest brilliancy	-11187 Aug 02 j 12:02	22°♏34'18	-1.5m

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

opposition	-11187 Aug 03 j 01:18	22°♏20'59	-4°55'27
direct	-11187 Sep 10 j 09:17	13°♏16'15	
	-11187 Nov 10 j 10:21	0°♐	
asc. node	-11186 Jan 05 j 17:12	29°♐19'12	
	-11186 Jan 06 j 21:41	0°♑	
	-11186 Feb 25 j 16:03	0°♒	
	-11186 Apr 12 j 15:47	0°♓	
	-11186 May 25 j 18:02	0°♈	
evening set	-11186 Jun 05 j 22:15	8°♈04'26	
max. Earth dist.	-11186 Jun 26 j 06:47	23°♈03'57	2.42413 AU
	-11186 Jul 05 j 12:56	0°♉	
conjunction	-11186 Aug 01 j 15:00	20°♉38'15	1°09'08
minimum elong	-11186 Aug 01 j 16:43	20°♉41'34	1°09'34
	-11186 Aug 13 j 17:39	0°♊	
	-11186 Sep 21 j 04:00	0°♋	
morning rise	-11186 Oct 02 j 13:27	8°♋54'34	
	-11186 Oct 29 j 17:09	0°♌	
desc. node	-11186 Nov 27 j 08:53	21°♌51'04	
	-11186 Dec 08 j 06:14	0°♍	
	-11185 Jan 18 j 15:26	0°♎	
	-11185 Mar 03 j 18:38	0°♏	
	-11185 Apr 21 j 07:32	0°♐	
	-11185 Jun 21 j 20:50	0°♑	
retrograde	-11185 Jul 29 j 12:24	7°♑31'08	
	-11185 Sep 01 j 20:43	30°℞♐	
opposition	-11185 Sep 07 j 05:04	27°♐52'16	-2°55'02
greatest brilliancy	-11185 Sep 07 j 06:23	27°♐50'57	-1.4m
min. Earth dist.	-11185 Sep 07 j 11:50	27°♐45'28	0.66526 AU
direct	-11185 Oct 17 j 10:08	18°♐06'12	
asc. node	-11185 Nov 23 j 22:33	25°♐22'45	
	-11185 Dec 06 j 02:57	0°♑	
	-11184 Feb 02 j 23:53	0°♒	
	-11184 Mar 22 j 06:13	0°♓	
	-11184 May 05 j 01:20	0°♈	
	-11184 Jun 14 j 23:36	0°♉	
	-11184 Jul 24 j 02:49	0°♊	
evening set	-11184 Aug 03 j 16:01	8°♊13'40	
	-11184 Aug 31 j 10:35	0°♋	
conjunction	-11184 Oct 05 j 10:52	27°♋19'53	0°06'39
minimum elong	-11184 Oct 05 j 11:31	27°♋21'09	0°07'13
behind sun begin	-11184 Oct 04 j 10:57	26°♋33'35	
behind sun end	-11184 Oct 06 j 12:06	28°♋08'42	
	-11184 Oct 08 j 21:40	0°♌	
desc. node	-11184 Oct 14 j 03:09	4°♌01'56	
max. Earth dist.	-11184 Nov 16 j 20:47	29°♌37'25	2.41522 AU
	-11184 Nov 17 j 08:53	0°♍	
morning rise	-11184 Dec 08 j 03:06	15°♍18'23	
	-11184 Dec 28 j 13:15	0°♎	
	-11183 Feb 09 j 23:17	0°♏	
	-11183 Mar 28 j 01:28	0°♐	
	-11183 May 16 j 19:59	0°♑	
	-11183 Jul 15 j 01:40	0°♒	
retrograde	-11183 Sep 02 j 23:37	12°♒01'24	
opposition	-11183 Oct 11 j 09:56	3°♒05'05	0°00'46
asc. node	-11183 Oct 11 j 02:39	3°♒12'14	
greatest brilliancy	-11183 Oct 11 j 10:02	3°♒04'59	-1.5m
min. Earth dist.	-11183 Oct 15 j 09:17	1°♒31'19	0.63586 AU
	-11183 Oct 19 j 07:56	30°℞♑	
direct	-11183 Nov 21 j 06:30	23°♑06'30	
	-11183 Dec 26 j 22:42	0°♒	
	-11182 Feb 25 j 18:50	0°♓	
	-11182 Apr 13 j 07:14	0°♈	
	-11182 May 25 j 04:50	0°♉	
	-11182 Jul 03 j 18:49	0°♊	
	-11182 Aug 11 j 09:39	0°♋	
desc. node	-11182 Sep 01 j 01:50	16°♋04'21	
	-11182 Sep 19 j 03:08	0°♌	
evening set	-11182 Oct 07 j 22:01	14°♌18'53	
	-11182 Oct 28 j 20:39	0°♍	
conjunction	-11182 Dec 05 j 18:15	27°♍31'29	-1°00'05
minimum elong	-11182 Dec 05 j 15:47	27°♍27'06	0°59'59
	-11182 Dec 09 j 05:58	0°♎	
max. Earth dist.	-11181 Jan 09 j 22:16	22°♎02'10	2.53674 AU
	-11181 Jan 21 j 15:44	0°♏	
morning rise	-11181 Jan 30 j 12:53	5°♏57'55	
	-11181 Mar 08 j 03:02	0°♐	
	-11181 Apr 24 j 13:50	0°♑	
	-11181 Jun 13 j 09:41	0°♒	
	-11181 Aug 07 j 19:46	0°♓	
asc. node	-11181 Aug 29 j 02:57	9°♓30'26	
retrograde	-11181 Oct 16 j 04:41	20°♓44'36	
opposition	-11181 Nov 21 j 02:54	13°♓00'41	3°42'38
greatest brilliancy	-11181 Nov 21 j 23:36	12°♓41'36	-1.9m
min. Earth dist.	-11181 Nov 28 j 07:56	10°♓21'15	0.54865 AU
direct	-11181 Dec 30 j 17:12	3°♓39'50	
	-11180 Mar 14 j 02:43	0°♈	
	-11180 Apr 29 j 15:49	0°♉	
	-11180 Jun 10 j 02:15	0°♊	
desc. node	-11180 Jul 19 j 03:59	29°♊29'16	
	-11180 Jul 19 j 20:10	0°♋	
	-11180 Aug 28 j 10:57	0°♌	
	-11180 Oct 07 j 22:55	0°♍	
	-11180 Nov 18 j 23:33	0°♎	
evening set	-11180 Dec 01 j 00:56	8°♎22'41	
	-11179 Jan 01 j 19:38	0°♏	
conjunction	-11179 Jan 22 j 10:56	13°♏43'29	-1°13'33
minimum elong	-11179 Jan 22 j 11:32	13°♏44'28	1°13'57
max. Earth dist.	-11179 Feb 08 j 21:41	25°♏09'45	2.62559 AU
	-11179 Feb 16 j 08:11	0°♐	
morning rise	-11179 Mar 13 j 09:04	16°♐08'10	
	-11179 Apr 04 j 02:43	0°♑	
	-11179 May 21 j 15:45	0°♒	
	-11179 Jul 08 j 22:37	0°♓	
asc. node	-11179 Jul 15 j 22:08	4°♓16'25	
	-11179 Aug 28 j 03:13	0°♈	
	-11179 Oct 25 j 10:51	0°♉	
retrograde	-11179 Dec 13 j 14:56	12°♉01'48	
opposition	-11178 Jan 14 j 18:30	6°♉11'21	6°51'44
greatest brilliancy	-11178 Jan 16 j 10:35	5°♉40'42	-2.5m
min. Earth dist.	-11178 Jan 21 j 22:49	4°♉00'33	0.42935 AU
	-11178 Feb 08 j 07:14	30°℞♈	
direct	-11178 Feb 18 j 11:11	29°♈17'30	
	-11178 Feb 28 j 18:14	0°♉	
	-11178 May 08 j 20:07	0°♊	
desc. node	-11178 Jun 06 j 08:06	18°♊29'40	
	-11178 Jun 23 j 03:25	0°♋	
	-11178 Aug 04 j 18:50	0°♌	
	-11178 Sep 16 j 08:23	0°♍	
	-11178 Oct 29 j 20:47	0°♎	
	-11178 Dec 13 j 17:26	0°♏	
evening set	-11177 Jan 14 j 19:44	20°♏57'35	
	-11177 Jan 28 j 19:30	0°♐	
conjunction	-11177 Mar 04 j 17:02	22°♐23'43	-0°49'01
minimum elong	-11177 Mar 04 j 18:34	22°♐26'10	0°49'35
max. Earth dist.	-11177 Mar 06 j 03:46	23°♐19'16	2.66358 AU
	-11177 Mar 16 j 14:21	0°♑	
morning rise	-11177 Apr 20 j 21:28	22°♑36'59	
	-11177 May 02 j 08:53	0°♒	
asc. node	-11177 Jun 02 j 14:26	20°♒13'11	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11177 Jun 17 j 14:08	0°♓	
	-11177 Aug 02 j 02:22	0°♈	
	-11177 Sep 16 j 04:49	0°♉	
	-11177 Oct 31 j 19:05	0°♊	
	-11177 Dec 19 j 16:06	0°♋	
retrograde	-11176 Feb 29 j 05:02	25°♋03'38	
min. Earth dist.	-11176 Mar 28 j 09:48	20°♋22'47	0.38992 AU
opposition	-11176 Apr 01 j 04:27	19°♋19'37	1°44'45
greatest brilliancy	-11176 Apr 01 j 00:47	19°♋22'10	-2.9m
desc. node	-11176 Apr 23 j 14:02	14°♋32'15	
direct	-11176 May 01 j 13:53	14°♋07'43	
	-11176 Jun 26 j 05:14	0°♌	
	-11176 Aug 18 j 22:54	0°♍	
	-11176 Oct 06 j 02:49	0°♎	
	-11176 Nov 22 j 10:40	0°♏	
	-11175 Jan 08 j 20:44	0°♐	
evening set	-11175 Feb 22 j 19:11	28°♐27'43	
	-11175 Feb 25 j 05:12	0°♑	
max. Earth dist.	-11175 Mar 29 j 21:03	20°♑55'10	2.64811 AU
conjunction	-11175 Apr 11 j 17:18	29°♑14'09	-0°04'37
minimum elong	-11175 Apr 11 j 17:31	29°♑14'31	0°05'10
behind sun begin	-11175 Apr 10 j 22:39	28°♑43'52	
behind sun end	-11175 Apr 12 j 12:24	29°♑45'10	
	-11175 Apr 12 j 21:31	0°♒	
asc. node	-11175 Apr 19 j 07:12	4°♒10'18	
morning rise	-11175 May 28 j 17:55	0°♓17'01	
	-11175 May 28 j 07:47	0°♓	
	-11175 Jul 11 j 05:08	0°♈	
	-11175 Aug 22 j 15:24	0°♉	
	-11175 Oct 02 j 23:34	0°♊	
	-11175 Nov 12 j 21:15	0°♋	
	-11175 Dec 24 j 11:44	0°♌	
	-11174 Feb 07 j 10:19	0°♍	
desc. node	-11174 Mar 11 j 15:36	17°♍55'53	
	-11174 Apr 15 j 08:14	0°♎	
retrograde	-11174 Apr 28 j 17:53	1°♎13'40	
	-11174 May 11 j 19:27	30°℞♍	
min. Earth dist.	-11174 May 28 j 06:21	25°♍21'43	0.49427 AU
greatest brilliancy	-11174 Jun 03 j 21:41	22°♍58'45	-2.2m
opposition	-11174 Jun 05 j 05:41	22°♍29'53	-4°39'23
direct	-11174 Jul 09 j 03:08	15°♍21'22	
	-11174 Sep 01 j 22:54	0°♎	
	-11174 Oct 29 j 12:18	0°♏	
	-11174 Dec 19 j 10:43	0°♐	
	-11173 Feb 06 j 06:48	0°♑	
asc. node	-11173 Mar 07 j 04:43	18°♑15'23	
	-11173 Mar 25 j 10:42	0°♒	
evening set	-11173 Apr 03 j 15:42	5°♒59'48	
max. Earth dist.	-11173 Apr 26 j 07:19	20°♒58'34	2.58088 AU
	-11173 May 09 j 16:52	0°♓	
conjunction	-11173 May 22 j 23:43	9°♓04'29	0°44'27
minimum elong	-11173 May 22 j 22:02	9°♓01'35	0°44'09
	-11173 Jun 21 j 21:57	0°♈	
morning rise	-11173 Jul 12 j 00:45	14°♈26'48	
	-11173 Aug 02 j 06:09	0°♉	
	-11173 Sep 11 j 04:46	0°♊	
	-11173 Oct 20 j 10:15	0°♋	
	-11173 Nov 28 j 19:01	0°♌	
	-11172 Jan 08 j 09:28	0°♍	
desc. node	-11172 Jan 27 j 11:20	13°♍30'01	
	-11172 Feb 20 j 22:12	0°♎	
	-11172 Apr 12 j 01:20	0°♏	
retrograde	-11172 Jun 09 j 15:35	17°♏25'15	
min. Earth dist.	-11172 Jul 14 j 07:25	9°♏31'57	0.60389 AU
greatest brilliancy	-11172 Jul 18 j 09:41	7°♏54'40	-1.6m
opposition	-11172 Jul 19 j 06:35	7°♏33'55	-5°21'21
	-11172 Aug 12 j 16:42	30°℞♎	
direct	-11172 Aug 25 j 13:38	28°♎53'27	
	-11172 Sep 08 j 03:15	0°♏	
	-11172 Nov 23 j 12:51	0°♐	
	-11171 Jan 15 j 15:43	0°♑	
asc. node	-11171 Jan 22 j 07:20	3°♑58'51	
	-11171 Mar 05 j 06:53	0°♒	
	-11171 Apr 19 j 22:18	0°♓	
evening set	-11171 May 17 j 02:57	18°♓45'17	
	-11171 Jun 01 j 23:30	0°♈	
max. Earth dist.	-11171 Jun 02 j 09:02	0°♈17'05	2.47123 AU
conjunction	-11171 Jul 10 j 00:19	27°♈52'10	1°13'06
minimum elong	-11171 Jul 09 j 23:57	27°♈51'30	1°13'20
	-11171 Jul 12 j 20:33	0°♉	
	-11171 Aug 21 j 04:27	0°♊	
morning rise	-11171 Sep 06 j 01:02	12°♊18'02	
	-11171 Sep 28 j 18:01	0°♋	
	-11171 Nov 06 j 09:57	0°♌	
desc. node	-11171 Dec 14 j 05:11	28°♌37'00	
	-11171 Dec 16 j 01:56	0°♍	
	-11170 Jan 26 j 16:50	0°♎	
	-11170 Mar 12 j 12:03	0°♏	
	-11170 May 02 j 12:17	0°♐	
retrograde	-11170 Jul 15 j 22:30	24°♐19'49	
opposition	-11170 Aug 24 j 19:59	14°♐30'50	-3°49'14
min. Earth dist.	-11170 Aug 23 j 15:21	14°♐59'43	0.66002 AU
greatest brilliancy	-11170 Aug 24 j 16:56	14°♐33'55	-1.4m
direct	-11170 Oct 03 j 10:13	4°♐57'45	
asc. node	-11170 Dec 10 j 12:30	24°♐57'50	
	-11170 Dec 20 j 18:04	0°♑	
	-11169 Feb 12 j 03:24	0°♒	
	-11169 Mar 31 j 05:12	0°♓	
	-11169 May 13 j 15:29	0°♈	
	-11169 Jun 23 j 11:28	0°♉	
evening set	-11169 Jul 10 j 21:37	13°♉14'18	
	-11169 Aug 01 j 14:29	0°♊	
	-11169 Sep 08 j 22:29	0°♋	
conjunction	-11169 Sep 10 j 02:31	0°♋54'59	0°38'01
minimum elong	-11169 Sep 10 j 05:34	1°♋00'59	0°38'35
max. Earth dist.	-11169 Sep 20 j 22:23	9°♋24'10	2.38328 AU
	-11169 Oct 17 j 09:23	0°♌	
desc. node	-11169 Oct 31 j 22:59	11°♌12'01	
morning rise	-11169 Nov 14 j 01:27	21°♌09'34	
	-11169 Nov 25 j 19:58	0°♍	
	-11168 Jan 06 j 00:20	0°♎	
	-11168 Feb 18 j 13:29	0°♏	
	-11168 Apr 05 j 05:18	0°♐	
	-11168 May 27 j 02:17	0°♑	
retrograde	-11168 Aug 19 j 09:01	28°♑34'10	
opposition	-11168 Sep 27 j 10:11	19°♑18'14	-1°13'21
greatest brilliancy	-11168 Sep 27 j 13:18	19°♑15'07	-1.4m
min. Earth dist.	-11168 Sep 29 j 23:17	18°♑17'23	0.65470 AU
asc. node	-11168 Oct 27 j 17:44	10°♑03'35	
direct	-11168 Nov 07 j 04:43	9°♑20'25	
	-11167 Jan 14 j 08:50	0°♒	
	-11167 Mar 07 j 22:30	0°♓	
	-11167 Apr 21 j 22:49	0°♈	
	-11167 Jun 02 j 07:53	0°♉	
	-11167 Jul 11 j 15:46	0°♊	
	-11167 Aug 19 j 02:29	0°♋	
evening set	-11167 Sep 13 j 02:43	19°♋30'31	
desc. node	-11167 Sep 17 j 18:46	23°♋07'43	
	-11167 Sep 26 j 16:12	0°♌	
	-11167 Nov 05 j 05:57	0°♍	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

conjunction	-11167 Nov 13 j 12:24	6°♍07'27	-0°40'03
minimum elong	-11167 Nov 13 j 09:43	6°♍02'30	0°39'44
	-11167 Dec 16 j 11:59	0°♎	
max. Earth dist.	-11167 Dec 25 j 01:03	6°♎02'16	2.49064 AU
morning rise	-11166 Jan 11 j 10:41	18°♎08'40	
	-11166 Jan 28 j 19:59	0°♏	
	-11166 Mar 15 j 10:02	0°♐	
	-11166 May 02 j 10:30	0°♑	
	-11166 Jun 23 j 04:26	0°♒	
	-11166 Aug 28 j 19:36	0°♓	
asc. node	-11166 Sep 14 j 19:26	3°♓53'32	
retrograde	-11166 Sep 28 j 01:46	4°♓55'32	
	-11166 Oct 25 j 21:16	30°℞♒	
opposition	-11166 Nov 04 j 03:37	26°♒38'31	2°11'51
greatest brilliancy	-11166 Nov 04 j 13:49	26°♒28'48	-1.7m
min. Earth dist.	-11166 Nov 10 j 05:08	24°♒19'45	0.58929 AU
direct	-11166 Dec 14 j 13:26	16°♒53'29	
	-11165 Feb 02 j 16:57	0°♓	
	-11165 Mar 28 j 02:42	0°♈	
	-11165 May 10 j 20:15	0°♉	
	-11165 Jun 20 j 05:33	0°♊	
	-11165 Jul 29 j 08:39	0°♋	
desc. node	-11165 Aug 05 j 20:28	5°♋46'07	
	-11165 Sep 06 j 12:01	0°♌	
	-11165 Oct 16 j 14:12	0°♍	
evening set	-11165 Nov 12 j 02:52	19°♍14'28	
	-11165 Nov 27 j 06:49	0°♎	
conjunction	-11164 Jan 05 j 18:37	27°♎13'53	-1°14'03
minimum elong	-11164 Jan 05 j 18:04	27°♎12'58	1°14'18
	-11164 Jan 09 j 21:06	0°♏	
max. Earth dist.	-11164 Jan 29 j 22:29	13°♏23'00	2.59656 AU
	-11164 Feb 24 j 07:26	0°♐	
morning rise	-11164 Feb 26 j 13:46	1°♐28'06	
	-11164 Apr 11 j 05:26	0°♑	
	-11164 May 29 j 08:56	0°♒	
	-11164 Jul 18 j 06:48	0°♓	
asc. node	-11164 Aug 01 j 16:03	8°♓16'41	
	-11164 Sep 11 j 14:06	0°♈	
retrograde	-11164 Nov 17 j 15:58	19°♈54'20	
opposition	-11164 Dec 21 j 10:20	13°♈15'04	5°59'14
greatest brilliancy	-11164 Dec 23 j 00:01	12°♈43'16	-2.2m
min. Earth dist.	-11164 Dec 29 j 11:12	10°♈33'24	0.47602 AU
direct	-11163 Jan 27 j 14:02	5°♈07'38	
	-11163 Apr 07 j 14:30	0°♉	
	-11163 May 23 j 17:54	0°♊	
desc. node	-11163 Jun 23 j 01:13	21°♊37'57	
	-11163 Jul 04 j 12:46	0°♋	
	-11163 Aug 14 j 10:43	0°♌	
	-11163 Sep 24 j 21:30	0°♍	
	-11163 Nov 06 j 15:24	0°♎	
	-11163 Dec 20 j 23:26	0°♏	
evening set	-11163 Dec 29 j 06:47	5°♏30'18	
	-11162 Feb 04 j 18:17	0°♐	
conjunction	-11162 Feb 17 j 05:18	8°♐02'38	-1°01'42
minimum elong	-11162 Feb 17 j 06:49	8°♐05'04	1°02'15
max. Earth dist.	-11162 Feb 24 j 19:24	12°♐55'24	2.65495 AU
	-11162 Mar 23 j 11:15	0°♑	
morning rise	-11162 Apr 06 j 03:57	8°♑44'53	
	-11162 May 09 j 10:36	0°♒	
asc. node	-11162 Jun 19 j 08:30	26°♒12'57	
	-11162 Jun 25 j 05:52	0°♓	
	-11162 Aug 10 j 22:30	0°♈	
	-11162 Sep 27 j 08:38	0°♉	
	-11162 Nov 17 j 08:57	0°♊	
retrograde	-11161 Jan 30 j 00:36	24°♊55'48	
opposition	-11161 Mar 01 j 20:21	19°♊47'18	5°08'18
greatest brilliancy	-11161 Mar 02 j 06:53	19°♊40'13	-2.9m
min. Earth dist.	-11161 Mar 03 j 02:55	19°♊26'44	0.38494 AU
direct	-11161 Apr 01 j 17:26	14°♊32'47	
desc. node	-11161 May 11 j 05:39	23°♊33'56	
	-11161 May 25 j 10:03	0°♋	
	-11161 Jul 16 j 10:38	0°♌	
	-11161 Aug 31 j 17:30	0°♍	
	-11161 Oct 16 j 06:35	0°♎	
	-11161 Dec 01 j 07:40	0°♏	
	-11160 Jan 17 j 01:45	0°♐	
evening set	-11160 Feb 08 j 12:45	14°♐19'03	
	-11160 Mar 04 j 02:57	0°♑	
max. Earth dist.	-11160 Mar 20 j 03:50	10°♑15'39	2.66046 AU
conjunction	-11160 Mar 27 j 13:48	15°♑01'10	-0°23'13
minimum elong	-11160 Mar 27 j 14:42	15°♑02'37	0°23'48
	-11160 Apr 19 j 18:45	0°♒	
asc. node	-11160 May 06 j 00:51	10°♒35'18	
morning rise	-11160 May 13 j 08:29	15°♒23'14	
	-11160 Jun 04 j 10:38	0°♓	
	-11160 Jul 18 j 19:35	0°♈	
	-11160 Aug 30 j 23:56	0°♉	
	-11160 Oct 12 j 08:54	0°♊	
	-11160 Nov 23 j 17:33	0°♋	
	-11159 Jan 06 j 21:58	0°♌	
	-11159 Mar 02 j 02:39	0°♍	
desc. node	-11159 Mar 28 j 08:28	7°♍42'03	
retrograde	-11159 Apr 08 j 07:05	8°♍32'12	
min. Earth dist.	-11159 May 06 j 03:44	3°♍26'32	0.44563 AU
greatest brilliancy	-11159 May 13 j 02:03	1°♍08'51	-2.5m
opposition	-11159 May 14 j 00:58	0°♍49'49	-3°04'02
	-11159 May 16 j 13:43	30°℞♌	
direct	-11159 Jun 15 j 06:38	24°♌30'14	
	-11159 Jul 16 j 08:40	0°♍	
	-11159 Sep 18 j 01:34	0°♎	
	-11159 Nov 08 j 07:29	0°♏	
	-11159 Dec 27 j 09:41	0°♐	
	-11158 Feb 13 j 11:57	0°♑	
evening set	-11158 Mar 18 j 21:40	21°♑16'10	
asc. node	-11158 Mar 23 j 20:42	24°♑28'03	
	-11158 Apr 01 j 09:37	0°♒	
max. Earth dist.	-11158 Apr 15 j 03:43	8°♒59'15	2.61301 AU
conjunction	-11158 May 06 j 09:08	23°♒04'08	0°26'05
minimum elong	-11158 May 06 j 08:05	23°♒02'23	0°25'39
	-11158 May 16 j 16:20	0°♓	
morning rise	-11158 Jun 23 j 18:26	26°♓14'42	
	-11158 Jun 29 j 02:28	0°♈	
	-11158 Aug 09 j 19:01	0°♉	
	-11158 Sep 19 j 03:50	0°♊	
	-11158 Oct 28 j 20:34	0°♋	
	-11158 Dec 07 j 18:24	0°♌	
	-11157 Jan 18 j 05:03	0°♍	
desc. node	-11157 Feb 13 j 07:15	17°♍41'16	
	-11157 Mar 04 j 20:54	0°♎	
	-11157 May 12 j 09:43	0°♏	
retrograde	-11157 May 26 j 05:03	1°♏15'22	
	-11157 Jun 08 j 10:41	30°℞♎	
min. Earth dist.	-11157 Jun 27 j 22:29	24°♎05'53	0.56613 AU
greatest brilliancy	-11157 Jul 03 j 03:07	22°♎05'22	-1.8m
opposition	-11157 Jul 04 j 07:11	21°♎38'06	-5°28'54
direct	-11157 Aug 09 j 09:34	13°♎27'47	
	-11157 Oct 08 j 07:54	0°♏	
	-11157 Dec 04 j 21:33	0°♐	
	-11156 Jan 24 j 17:35	0°♑	
asc. node	-11156 Feb 08 j 21:44	9°♑19'59	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11156 Mar 12 j 15:07	0°♒	
	-11156 Apr 27 j 01:28	0°♓	
evening set	-11156 Apr 28 j 22:22	1°♓16'15	
max. Earth dist.	-11156 May 16 j 04:39	13°♓07'56	2.51766 AU
	-11156 Jun 09 j 03:10	0°♈	
conjunction	-11156 Jun 19 j 14:12	7°♈31'14	1°06'54
minimum elong	-11156 Jun 19 j 12:35	7°♈28'19	1°06'55
	-11156 Jul 20 j 03:39	0°♉	
morning rise	-11156 Aug 12 j 20:57	17°♉54'13	
	-11156 Aug 28 j 16:06	0°♊	
	-11156 Oct 06 j 10:28	0°♋	
	-11156 Nov 14 j 07:07	0°♌	
	-11156 Dec 24 j 04:34	0°♍	
desc. node	-11156 Dec 31 j 00:37	5°♍00'29	
	-11155 Feb 04 j 05:42	0°♎	
	-11155 Mar 22 j 05:30	0°♏	
	-11155 May 17 j 23:47	0°♐	
retrograde	-11155 Jul 02 j 05:37	10°♐45'39	
min. Earth dist.	-11155 Aug 08 j 11:48	1°♐55'41	0.64529 AU
opposition	-11155 Aug 11 j 04:01	0°♐51'02	-4°34'19
greatest brilliancy	-11155 Aug 10 j 18:46	1°♐00'21	-1.4m
	-11155 Aug 13 j 06:52	30°℞♏	
direct	-11155 Sep 18 j 23:34	21°♏35'06	
	-11155 Oct 29 j 19:32	0°♐	
asc. node	-11155 Dec 27 j 02:16	27°♐27'59	
	-11155 Dec 31 j 16:46	0°♑	
	-11154 Feb 20 j 11:55	0°♒	
	-11154 Apr 07 j 20:26	0°♓	
	-11154 May 21 j 01:45	0°♈	
evening set	-11154 Jun 17 j 23:06	20°♈20'21	
	-11154 Jun 30 j 21:21	0°♉	
max. Earth dist.	-11154 Jul 15 j 10:00	11°♉00'56	2.40104 AU
	-11154 Aug 09 j 01:19	0°♊	
conjunction	-11154 Aug 15 j 08:58	4°♊54'55	1°01'22
minimum elong	-11154 Aug 15 j 11:46	5°♊00'23	1°01'53
	-11154 Sep 16 j 10:23	0°♋	
morning rise	-11154 Oct 18 j 01:59	24°♋42'37	
	-11154 Oct 24 j 21:59	0°♌	
desc. node	-11154 Nov 17 j 18:23	18°♌15'41	
	-11154 Dec 03 j 09:00	0°♍	
	-11153 Jan 13 j 14:57	0°♎	
	-11153 Feb 26 j 10:37	0°♏	
	-11153 Apr 15 j 01:09	0°♐	
	-11153 Jun 10 j 02:14	0°♑	
retrograde	-11153 Aug 06 j 10:37	15°♑27'56	
opposition	-11153 Sep 14 j 22:24	5°♑56'15	-2°19'49
greatest brilliancy	-11153 Sep 15 j 01:08	5°♑53'30	-1.4m
min. Earth dist.	-11153 Sep 16 j 00:39	5°♑29'54	0.66421 AU
	-11153 Sep 30 j 21:49	30°℞♐	
direct	-11153 Oct 25 j 09:09	26°♐04'47	
asc. node	-11153 Nov 14 j 07:14	28°♐21'15	
	-11153 Nov 21 j 00:55	0°♑	
	-11152 Jan 27 j 10:38	0°♒	
	-11152 Mar 16 j 21:09	0°♓	
	-11152 Apr 30 j 01:36	0°♈	
	-11152 Jun 10 j 03:51	0°♉	
	-11152 Jul 19 j 08:43	0°♊	
evening set	-11152 Aug 18 j 03:27	23°♊16'30	
	-11152 Aug 26 j 17:17	0°♋	
desc. node	-11152 Oct 04 j 14:43	0°♌19'19	
	-11152 Oct 04 j 04:43	0°♌	
conjunction	-11152 Oct 19 j 23:54	12°♌08'11	-0°11'39
minimum elong	-11152 Oct 19 j 22:55	12°♌06'18	0°11'08
behind sun begin	-11152 Oct 19 j 03:15	11°♌28'47	
behind sun end	-11152 Oct 20 j 18:34	12°♌43'47	
	-11152 Nov 12 j 15:45	0°♍	
max. Earth dist.	-11152 Dec 03 j 23:40	15°♍43'45	2.44106 AU
morning rise	-11152 Dec 21 j 05:32	28°♍09'51	
	-11152 Dec 23 j 19:23	0°♎	
	-11151 Feb 05 j 03:02	0°♏	
	-11151 Mar 22 j 22:34	0°♐	
	-11151 May 10 j 20:41	0°♑	
	-11151 Jul 05 j 02:26	0°♒	
retrograde	-11151 Sep 11 j 19:16	20°♒24'43	
asc. node	-11151 Oct 01 j 10:36	17°♒53'45	
opposition	-11151 Oct 19 j 18:56	11°♒41'01	0°46'53
greatest brilliancy	-11151 Oct 19 j 21:44	11°♒38'17	-1.6m
min. Earth dist.	-11151 Oct 24 j 12:39	9°♒50'07	0.62169 AU
direct	-11151 Nov 29 j 13:28	1°♒44'43	
	-11150 Feb 18 j 08:26	0°♓	
	-11150 Apr 07 j 10:32	0°♈	
	-11150 May 19 j 20:43	0°♉	
	-11150 Jun 28 j 16:27	0°♊	
	-11150 Aug 06 j 10:53	0°♋	
desc. node	-11150 Aug 22 j 13:27	12°♋29'28	
	-11150 Sep 14 j 07:08	0°♌	
evening set	-11150 Oct 21 j 04:24	27°♌49'46	
	-11150 Oct 24 j 02:42	0°♍	
	-11150 Dec 04 j 13:30	0°♎	
conjunction	-11150 Dec 17 j 12:00	9°♎05'15	-1°07'30
minimum elong	-11150 Dec 17 j 10:09	9°♎02'02	1°07'31
	-11149 Jan 16 j 23:35	0°♏	
max. Earth dist.	-11149 Jan 17 j 16:14	0°♏28'06	2.55977 AU
morning rise	-11149 Feb 09 j 17:35	15°♏50'58	
	-11149 Mar 03 j 09:09	0°♐	
	-11149 Apr 19 j 13:25	0°♑	
	-11149 Jun 07 j 14:41	0°♒	
	-11149 Jul 30 j 06:37	0°♓	
asc. node	-11149 Aug 19 j 09:16	10°♓15'20	
	-11149 Oct 14 j 23:44	0°♈	
retrograde	-11149 Oct 27 j 11:40	0°♈55'29	
	-11149 Nov 08 j 10:30	30°℞♓	
opposition	-11149 Dec 01 j 16:31	23°♓32'25	4°34'41
greatest brilliancy	-11149 Dec 02 j 19:50	23°♓07'50	-2.0m
min. Earth dist.	-11149 Dec 09 j 08:46	20°♓46'59	0.52388 AU
direct	-11148 Jan 09 j 14:06	14°♓31'46	
	-11148 Mar 03 j 06:17	0°♈	
	-11148 Apr 22 j 12:15	0°♉	
	-11148 Jun 03 j 23:41	0°♊	
desc. node	-11148 Jul 09 j 16:12	26°♊33'49	
	-11148 Jul 14 j 05:54	0°♋	
	-11148 Aug 23 j 04:57	0°♌	
	-11148 Oct 02 j 22:54	0°♍	
	-11148 Nov 14 j 04:05	0°♎	
evening set	-11148 Dec 11 j 16:29	18°♎55'00	
	-11148 Dec 28 j 03:09	0°♏	
conjunction	-11147 Feb 01 j 02:16	23°♏05'44	-1°10'34
minimum elong	-11147 Feb 01 j 03:19	23°♏07'27	1°11'02
	-11147 Feb 11 j 16:58	0°♐	
max. Earth dist.	-11147 Feb 14 j 21:47	2°♐04'30	2.63827 AU
morning rise	-11147 Mar 22 j 04:37	24°♐45'21	
	-11147 Mar 30 j 09:53	0°♑	
	-11147 May 16 j 16:45	0°♒	
	-11147 Jul 03 j 07:58	0°♓	
asc. node	-11147 Jul 06 j 03:28	1°♓45'37	
	-11147 Aug 20 j 21:13	0°♈	
	-11147 Oct 12 j 00:20	0°♉	
retrograde	-11147 Dec 30 j 02:23	26°♉40'50	
opposition	-11146 Jan 30 j 08:53	21°♉14'02	6°48'00

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

greatest brilliancy	-11146 Jan 31 j 19:08	20°♉49'20	-2.7m
min. Earth dist.	-11146 Feb 05 j 02:56	19°♉34'46	0.40807 AU
direct	-11146 Mar 04 j 15:05	15°♉02'36	
	-11146 Apr 25 j 06:19	0°♊	
desc. node	-11146 May 27 j 21:37	18°♊33'17	
	-11146 Jun 14 j 19:30	0°♋	
	-11146 Jul 29 j 04:08	0°♌	
	-11146 Sep 10 j 15:10	0°♍	
	-11146 Oct 24 j 16:25	0°♎	
	-11146 Dec 08 j 20:49	0°♏	
evening set	-11145 Jan 23 j 23:08	29°♏53'10	
	-11145 Jan 24 j 03:23	0°♐	
	-11145 Mar 11 j 23:48	0°♑	
max. Earth dist.	-11145 Mar 11 j 16:21	29°♐48'05	2.66473 AU
conjunction	-11145 Mar 13 j 10:57	0°♑56'12	-0°40'13
minimum elong	-11145 Mar 13 j 12:21	0°♑58'26	0°40'49
	-11145 Apr 27 j 17:01	0°♒	
morning rise	-11145 Apr 29 j 09:24	1°♒05'15	
asc. node	-11145 May 23 j 19:50	16°♒57'43	
	-11145 Jun 12 j 16:49	0°♓	
	-11145 Jul 27 j 17:38	0°♈	
	-11145 Sep 09 j 23:56	0°♉	
	-11145 Oct 24 j 01:20	0°♊	
	-11145 Dec 08 j 08:31	0°♋	
	-11144 Jan 29 j 24:00	0°♌	
retrograde	-11144 Mar 15 j 11:07	11°♌59'42	
min. Earth dist.	-11144 Apr 11 j 22:41	7°♌20'02	0.40486 AU
desc. node	-11144 Apr 14 j 01:32	6°♌42'33	
opposition	-11144 Apr 17 j 19:49	5°♌35'06	-0°17'00
greatest brilliancy	-11144 Apr 17 j 18:04	5°♌36'24	-2.8m
direct	-11144 May 18 j 16:50	0°♌03'40	
	-11144 Aug 09 j 22:08	0°♍	
	-11144 Sep 29 j 17:25	0°♎	
	-11144 Nov 17 j 01:51	0°♏	
	-11143 Jan 03 j 23:33	0°♐	
	-11143 Feb 20 j 13:23	0°♑	
evening set	-11143 Mar 03 j 12:33	6°♑58'23	
max. Earth dist.	-11143 Apr 04 j 16:17	27°♑38'18	2.63794 AU
	-11143 Apr 08 j 07:33	0°♒	
asc. node	-11143 Apr 09 j 14:15	0°♒49'55	
conjunction	-11143 Apr 20 j 12:47	7°♒58'34	0°06'39
minimum elong	-11143 Apr 20 j 12:32	7°♒58'09	0°06'08
behind sun begin	-11143 Apr 19 j 17:58	7°♒27'44	
behind sun end	-11143 Apr 21 j 07:06	8°♒28'34	
	-11143 May 23 j 16:44	0°♓	
morning rise	-11143 Jun 06 j 21:18	9°♓36'42	
	-11143 Jul 06 j 10:01	0°♈	
	-11143 Aug 17 j 13:26	0°♉	
	-11143 Sep 27 j 11:55	0°♊	
	-11143 Nov 06 j 20:39	0°♋	
	-11143 Dec 17 j 15:33	0°♌	
	-11142 Jan 29 j 17:11	0°♍	
desc. node	-11142 Mar 02 j 01:10	19°♍25'37	
	-11142 Mar 22 j 03:52	0°♎	
retrograde	-11142 May 09 j 07:54	13°♎09'01	
min. Earth dist.	-11142 Jun 08 j 23:32	6°♎48'26	0.52135 AU
greatest brilliancy	-11142 Jun 15 j 03:58	4°♎30'41	-2.0m
opposition	-11142 Jun 16 j 12:20	4°♎00'27	-5°09'02
	-11142 Jun 28 j 04:18	30°℞♍	
direct	-11142 Jul 21 j 06:14	26°♍27'24	
	-11142 Aug 14 j 23:14	0°♎	
	-11142 Oct 22 j 08:09	0°♏	
	-11142 Dec 13 j 22:22	0°♐	
	-11141 Feb 01 j 08:47	0°♑	
asc. node	-11141 Feb 25 j 12:51	15°♑08'13	
	-11141 Mar 20 j 18:34	0°♒	
evening set	-11141 Apr 12 j 22:57	15°♒09'48	
max. Earth dist.	-11141 May 03 j 11:05	28°♒53'11	2.56030 AU
	-11141 May 05 j 02:33	0°♓	
conjunction	-11141 Jun 01 j 22:44	19°♓10'30	0°53'52
minimum elong	-11141 Jun 01 j 20:53	19°♓07'15	0°53'40
	-11141 Jun 17 j 06:51	0°♈	
morning rise	-11141 Jul 23 j 05:26	26°♈04'31	
	-11141 Jul 28 j 12:40	0°♉	
	-11141 Sep 06 j 07:41	0°♊	
	-11141 Oct 15 j 08:39	0°♋	
	-11141 Nov 23 j 11:59	0°♌	
	-11140 Jan 02 j 17:59	0°♍	
desc. node	-11140 Jan 17 j 22:08	10°♍54'54	
	-11140 Feb 14 j 12:26	0°♎	
	-11140 Apr 02 j 19:59	0°♏	
retrograde	-11140 Jun 18 j 02:56	26°♏30'09	
min. Earth dist.	-11140 Jul 23 j 17:56	18°♏15'04	0.62108 AU
opposition	-11140 Jul 27 j 21:44	16°♏35'19	-5°08'22
greatest brilliancy	-11140 Jul 27 j 05:04	16°♏52'00	-1.5m
direct	-11140 Sep 03 j 18:44	7°♏40'47	
	-11140 Nov 15 j 15:44	0°♐	
	-11139 Jan 10 j 00:36	0°♑	
asc. node	-11139 Jan 12 j 15:44	1°♑32'13	
	-11139 Feb 28 j 07:41	0°♒	
	-11139 Apr 15 j 05:02	0°♓	
evening set	-11139 May 28 j 03:49	29°♓52'40	
	-11139 May 28 j 07:55	0°♈	
max. Earth dist.	-11139 Jun 14 j 17:55	12°♈36'27	2.44490 AU
	-11139 Jul 08 j 04:47	0°♉	
conjunction	-11139 Jul 22 j 12:32	10°♉49'52	1°12'17
minimum elong	-11139 Jul 22 j 13:19	10°♉51'21	1°12'39
	-11139 Aug 16 j 11:27	0°♊	
morning rise	-11139 Sep 20 j 18:28	27°♊29'55	
	-11139 Sep 23 j 23:17	0°♋	
	-11139 Nov 01 j 13:18	0°♌	
desc. node	-11139 Dec 04 j 15:29	25°♌10'27	
	-11139 Dec 11 j 02:37	0°♍	
	-11138 Jan 21 j 12:31	0°♎	
	-11138 Mar 06 j 19:42	0°♏	
	-11138 Apr 25 j 01:56	0°♐	
	-11138 Jul 03 j 16:43	0°♑	
retrograde	-11138 Jul 23 j 19:10	2°♑22'26	
	-11138 Aug 11 j 13:18	30°℞♐	
opposition	-11138 Sep 01 j 13:55	22°♐38'29	-3°18'44
min. Earth dist.	-11138 Sep 01 j 04:42	22°♐47'46	0.66409 AU
greatest brilliancy	-11138 Sep 01 j 13:31	22°♐38'52	-1.4m
direct	-11138 Oct 11 j 12:26	12°♐57'45	
asc. node	-11138 Nov 30 j 20:58	25°♐04'37	
	-11138 Dec 12 j 04:10	0°♑	
	-11137 Feb 06 j 08:18	0°♒	
	-11137 Mar 26 j 03:12	0°♓	
	-11137 May 08 j 19:37	0°♈	
	-11137 Jun 18 j 17:54	0°♉	
evening set	-11137 Jul 24 j 16:24	27°♉30'16	
	-11137 Jul 27 j 21:29	0°♊	
	-11137 Sep 04 j 05:16	0°♋	
conjunction	-11137 Sep 24 j 23:43	16°♋15'54	0°20'46
minimum elong	-11137 Sep 25 j 01:38	16°♋19'40	0°21'20
	-11137 Oct 12 j 15:48	0°♌	
desc. node	-11137 Oct 22 j 09:16	7°♌29'52	
max. Earth dist.	-11137 Oct 29 j 13:38	12°♌59'55	2.39684 AU
	-11137 Nov 21 j 01:45	0°♍	
morning rise	-11137 Nov 28 j 13:00	5°♍33'26	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11136 Jan 01 j 04:43	0°♎	
	-11136 Feb 13 j 14:26	0°♏	
	-11136 Mar 30 j 19:57	0°♐	
	-11136 May 20 j 05:54	0°♑	
	-11136 Jul 23 j 01:23	0°♒	
retrograde	-11136 Aug 27 j 17:10	6°♒40'18	
	-11136 Sep 29 j 04:04	30°℞♑	
opposition	-11136 Oct 05 j 09:58	27°♑34'46	-0°31'16
greatest brilliancy	-11136 Oct 05 j 11:46	27°♑32'58	-1.5m
min. Earth dist.	-11136 Oct 08 j 17:50	26°♑15'40	0.64546 AU
asc. node	-11136 Oct 18 j 01:25	22°♑45'26	
direct	-11136 Nov 15 j 05:44	17°♑35'46	
	-11135 Jan 04 j 07:17	0°♒	
	-11135 Mar 01 j 16:34	0°♓	
	-11135 Apr 16 j 13:26	0°♈	
	-11135 May 28 j 06:27	0°♉	
	-11135 Jul 06 j 18:11	0°♊	
	-11135 Aug 14 j 07:02	0°♋	
desc. node	-11135 Sep 08 j 06:55	19°♋27'51	
	-11135 Sep 21 j 22:15	0°♌	
evening set	-11135 Sep 27 j 07:46	4°♌08'38	
	-11135 Oct 31 j 12:59	0°♍	
conjunction	-11135 Nov 26 j 09:46	18°♍57'55	-0°52'32
minimum elong	-11135 Nov 26 j 07:01	18°♍52'57	0°52'22
	-11135 Dec 11 j 19:25	0°♎	
max. Earth dist.	-11134 Jan 03 j 13:28	15°♎56'38	2.51657 AU
morning rise	-11134 Jan 22 j 13:32	28°♎56'44	
	-11134 Jan 24 j 02:57	0°♏	
	-11134 Mar 10 j 13:51	0°♐	
	-11134 Apr 27 j 04:36	0°♑	
	-11134 Jun 16 j 15:54	0°♒	
	-11134 Aug 13 j 23:12	0°♓	
asc. node	-11134 Sep 05 j 02:32	8°♓25'01	
retrograde	-11134 Oct 08 j 04:27	14°♓12'33	
opposition	-11134 Nov 13 j 15:24	6°♓12'58	3°03'25
greatest brilliancy	-11134 Nov 14 j 07:13	5°♓58'08	-1.8m
min. Earth dist.	-11134 Nov 20 j 08:20	3°♓42'00	0.56770 AU
	-11134 Dec 01 j 08:55	30°℞♒	
direct	-11134 Dec 23 j 15:00	26°♒39'32	
	-11133 Jan 16 j 01:49	0°♓	
	-11133 Mar 20 j 13:35	0°♈	
	-11133 May 04 j 17:03	0°♉	
	-11133 Jun 14 j 15:53	0°♊	
	-11133 Jul 24 j 02:35	0°♋	
desc. node	-11133 Jul 27 j 08:31	2°♋29'01	
	-11133 Sep 01 j 11:31	0°♌	
	-11133 Oct 11 j 17:55	0°♍	
	-11133 Nov 22 j 13:33	0°♎	
evening set	-11133 Nov 23 j 16:15	0°♎46'50	
	-11132 Jan 05 j 05:42	0°♏	
conjunction	-11132 Jan 16 j 00:56	7°♏13'56	-1°14'30
minimum elong	-11132 Jan 16 j 01:05	7°♏14'11	1°14'49
max. Earth dist.	-11132 Feb 05 j 09:22	20°♏40'55	2.61352 AU
	-11132 Feb 19 j 16:04	0°♐	
morning rise	-11132 Mar 06 j 17:42	10°♐23'06	
	-11132 Apr 06 j 11:08	0°♑	
	-11132 May 24 j 05:33	0°♒	
	-11132 Jul 12 j 02:42	0°♓	
asc. node	-11132 Jul 22 j 22:18	6°♓28'35	
	-11132 Sep 01 j 22:56	0°♈	
	-11132 Nov 11 j 11:11	0°♉	
retrograde	-11132 Dec 01 j 19:47	2°♉24'13	
	-11132 Dec 21 j 12:41	30°℞♈	
opposition	-11131 Jan 03 j 17:14	26°♈12'05	6°35'08
greatest brilliancy	-11131 Jan 05 j 10:01	25°♈39'26	-2.4m
min. Earth dist.	-11131 Jan 11 j 12:46	23°♈43'02	0.44940 AU
direct	-11131 Feb 08 j 14:22	18°♈43'43	
	-11131 Mar 24 j 12:08	0°♉	
	-11131 May 15 j 10:31	0°♊	
desc. node	-11131 Jun 13 j 12:22	19°♊52'40	
	-11131 Jun 27 j 19:37	0°♋	
	-11131 Aug 08 j 13:20	0°♌	
	-11131 Sep 19 j 12:58	0°♍	
	-11131 Nov 01 j 15:27	0°♎	
	-11131 Dec 16 j 05:14	0°♏	
evening set	-11130 Jan 07 j 21:05	14°♏53'56	
	-11130 Jan 31 j 03:09	0°♐	
conjunction	-11130 Feb 26 j 04:22	16°♐45'41	-0°54'44
minimum elong	-11130 Feb 26 j 05:57	16°♐48'13	0°55'19
max. Earth dist.	-11130 Mar 02 j 09:36	19°♐27'52	2.66078 AU
	-11130 Mar 18 j 20:36	0°♑	
morning rise	-11130 Apr 14 j 15:31	17°♑08'05	
	-11130 May 04 j 17:14	0°♒	
asc. node	-11130 Jun 09 j 14:37	23°♒08'29	
	-11130 Jun 20 j 04:28	0°♓	
	-11130 Aug 05 j 04:21	0°♈	
	-11130 Sep 20 j 03:50	0°♉	
	-11130 Nov 06 j 11:24	0°♊	
	-11130 Dec 31 j 00:18	0°♋	
retrograde	-11129 Feb 16 j 11:01	12°♋16'11	
min. Earth dist.	-11129 Mar 18 j 00:52	7°♋21'21	0.38386 AU
opposition	-11129 Mar 19 j 15:09	6°♋55'33	3°20'21
greatest brilliancy	-11129 Mar 19 j 14:39	6°♋55'53	-2.9m
direct	-11129 Apr 18 j 22:41	1°♋49'50	
desc. node	-11129 May 01 j 18:09	2°♋51'59	
	-11129 Jul 06 j 07:34	0°♌	
	-11129 Aug 24 j 17:10	0°♍	
	-11129 Oct 10 j 12:15	0°♎	
	-11129 Nov 26 j 04:41	0°♏	
	-11128 Jan 12 j 06:51	0°♐	
evening set	-11128 Feb 17 j 08:18	22°♐54'00	
	-11128 Feb 28 j 11:54	0°♑	
max. Earth dist.	-11128 Mar 25 j 18:20	16°♑48'36	2.65472 AU
conjunction	-11128 Apr 05 j 06:35	23°♑34'58	-0°12'34
minimum elong	-11128 Apr 05 j 07:06	23°♑35'48	0°13'09
behind sun begin	-11128 Apr 04 j 19:56	23°♑17'47	
behind sun end	-11128 Apr 05 j 18:16	23°♑53'50	
	-11128 Apr 15 j 04:24	0°♒	
asc. node	-11128 Apr 26 j 07:12	7°♒14'33	
morning rise	-11128 May 22 j 02:46	24°♒15'08	
	-11128 May 30 j 17:40	0°♓	
	-11128 Jul 13 j 20:40	0°♈	
	-11128 Aug 25 j 15:01	0°♉	
	-11128 Oct 06 j 09:34	0°♊	
	-11128 Nov 16 j 20:19	0°♋	
	-11128 Dec 29 j 07:15	0°♌	
	-11127 Feb 14 j 10:54	0°♍	
desc. node	-11127 Mar 18 j 20:41	15°♍36'29	
retrograde	-11127 Apr 20 j 07:36	22°♍14'11	
min. Earth dist.	-11127 May 18 j 23:09	16°♍44'20	0.47210 AU
greatest brilliancy	-11127 May 25 j 20:06	14°♍21'13	-2.3m
opposition	-11127 May 27 j 01:43	13°♍55'22	-4°06'28
direct	-11127 Jun 29 j 06:04	7°♍08'05	
	-11127 Sep 08 j 23:12	0°♎	
	-11127 Nov 02 j 03:27	0°♏	
	-11127 Dec 22 j 04:37	0°♐	
	-11126 Feb 08 j 16:43	0°♑	
asc. node	-11126 Mar 14 j 03:47	21°♑12'58	
evening set	-11126 Mar 27 j 21:13	0°♒04'14	
	-11126 Mar 27 j 18:36	0°♒	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

max. Earth dist.	-11126 Apr 21 j 12:57	16°♒14'20	2.59627 AU
	-11126 May 12 j 01:58	0°♓	
conjunction	-11126 May 15 j 18:29	2°♓30'00	0°36'52
minimum elong	-11126 May 15 j 17:02	2°♓27'32	0°36'31
	-11126 Jun 24 j 10:16	0°♈	
morning rise	-11126 Jul 03 j 23:07	6°♈46'59	
	-11126 Aug 04 j 22:51	0°♉	
	-11126 Sep 14 j 02:21	0°♊	
	-11126 Oct 23 j 12:29	0°♋	
	-11126 Dec 02 j 02:02	0°♌	
	-11125 Jan 11 j 22:54	0°♍	
desc. node	-11125 Feb 03 j 17:12	15°♍52'46	
	-11125 Feb 25 j 02:38	0°♎	
	-11125 Apr 20 j 09:49	0°♏	
retrograde	-11125 Jun 04 j 05:57	11°♏07'39	
min. Earth dist.	-11125 Jul 08 j 01:22	3°♏32'57	0.58795 AU
opposition	-11125 Jul 13 j 15:38	1°♏20'56	-5°27'25
greatest brilliancy	-11125 Jul 12 j 15:20	1°♏44'52	-1.7m
	-11125 Jul 17 j 02:50	30°℞♎	
direct	-11125 Aug 19 j 09:48	22°♎53'13	
	-11125 Sep 25 j 04:25	0°♏	
	-11125 Nov 28 j 09:04	0°♐	
	-11124 Jan 19 j 10:45	0°♑	
asc. node	-11124 Jan 30 j 05:32	6°♑31'49	
	-11124 Mar 07 j 19:03	0°♒	
	-11124 Apr 22 j 09:29	0°♓	
evening set	-11124 May 09 j 03:26	11°♓27'37	
max. Earth dist.	-11124 May 25 j 13:07	22°♓55'20	2.49254 AU
	-11124 Jun 04 j 12:11	0°♈	
conjunction	-11124 Jun 30 j 22:28	19°♈11'26	1°11'28
minimum elong	-11124 Jun 30 j 21:26	19°♈09'31	1°11'37
	-11124 Jul 15 j 11:44	0°♉	
	-11124 Aug 23 j 22:16	0°♊	
morning rise	-11124 Aug 26 j 04:45	1°♊45'06	
	-11124 Oct 01 j 13:55	0°♋	
	-11124 Nov 09 j 07:23	0°♌	
	-11124 Dec 19 j 00:37	0°♍	
desc. node	-11124 Dec 21 j 11:10	1°♍48'12	
	-11123 Jan 29 j 17:43	0°♎	
	-11123 Mar 15 j 21:00	0°♏	
	-11123 May 07 j 10:35	0°♐	
retrograde	-11123 Jul 10 j 04:56	19°♐03'52	
min. Earth dist.	-11123 Aug 17 j 06:02	9°♐56'45	0.65456 AU
opposition	-11123 Aug 19 j 02:47	9°♐11'36	-4°09'21
greatest brilliancy	-11123 Aug 18 j 21:09	9°♐17'17	-1.4m
	-11123 Sep 21 j 07:30	30°℞♏	
direct	-11123 Sep 27 j 08:47	29°♏45'42	
	-11123 Oct 03 j 14:09	0°♐	
asc. node	-11123 Dec 17 j 10:17	26°♐07'24	
	-11123 Dec 24 j 21:08	0°♑	
	-11122 Feb 15 j 02:32	0°♒	
	-11122 Apr 02 j 21:56	0°♓	
	-11122 May 16 j 07:22	0°♈	
	-11122 Jun 26 j 04:16	0°♉	
evening set	-11122 Jun 30 j 17:24	3°♉25'41	
	-11122 Aug 04 j 08:26	0°♊	
max. Earth dist.	-11122 Aug 15 j 01:48	8°♊21'16	2.38531 AU
conjunction	-11122 Aug 29 j 18:02	19°♊50'18	0°49'30
minimum elong	-11122 Aug 29 j 21:19	19°♊56'44	0°50'04
	-11122 Sep 11 j 16:59	0°♋	
	-11122 Oct 20 j 03:47	0°♌	
morning rise	-11122 Nov 02 j 11:17	10°♌14'48	
desc. node	-11122 Nov 08 j 05:08	14°♌38'11	
	-11122 Nov 28 j 13:39	0°♍	
	-11121 Jan 08 j 17:07	0°♎	
	-11121 Feb 21 j 07:06	0°♏	
	-11121 Apr 09 j 05:05	0°♐	
	-11121 Jun 01 j 07:22	0°♑	
retrograde	-11121 Aug 14 j 10:37	23°♑24'32	
opposition	-11121 Sep 22 j 16:26	14°♑01'01	-1°42'06
greatest brilliancy	-11121 Sep 22 j 19:42	13°♑57'46	-1.4m
min. Earth dist.	-11121 Sep 24 j 13:42	13°♑15'44	0.66010 AU
direct	-11121 Nov 02 j 07:41	4°♑05'24	
asc. node	-11121 Nov 04 j 15:56	4°♑07'29	
	-11120 Jan 20 j 03:27	0°♒	
	-11120 Mar 11 j 06:06	0°♓	
	-11120 Apr 24 j 22:40	0°♈	
	-11120 Jun 05 j 05:35	0°♉	
	-11120 Jul 14 j 12:40	0°♊	
	-11120 Aug 21 j 22:20	0°♋	
evening set	-11120 Sep 01 j 21:35	8°♋35'04	
desc. node	-11120 Sep 25 j 00:18	26°♋34'38	
	-11120 Sep 29 j 10:35	0°♌	
conjunction	-11120 Nov 03 j 03:47	26°♌25'57	-0°28'41
minimum elong	-11120 Nov 03 j 01:34	26°♌21'48	0°28'15
	-11120 Nov 07 j 22:18	0°♍	
max. Earth dist.	-11120 Dec 16 j 18:23	28°♍20'59	2.46864 AU
	-11120 Dec 19 j 01:57	0°♎	
morning rise	-11119 Jan 02 j 14:14	10°♎14'08	
	-11119 Jan 31 j 08:24	0°♏	
	-11119 Mar 17 j 22:59	0°♐	
	-11119 May 05 j 06:09	0°♑	
	-11119 Jun 27 j 02:40	0°♒	
retrograde	-11119 Sep 20 j 22:57	29°♒01'08	
asc. node	-11119 Sep 21 j 18:37	29°♒00'53	
opposition	-11119 Oct 28 j 10:51	20°♒31'23	1°34'59
greatest brilliancy	-11119 Oct 28 j 17:26	20°♒25'02	-1.6m
min. Earth dist.	-11119 Nov 02 j 21:54	18°♒24'53	0.60493 AU
direct	-11119 Dec 08 j 01:03	10°♒39'58	
	-11118 Feb 09 j 13:26	0°♓	
	-11118 Apr 01 j 04:54	0°♈	
	-11118 May 14 j 08:06	0°♉	
	-11118 Jun 23 j 11:28	0°♊	
	-11118 Aug 01 j 10:14	0°♋	
desc. node	-11118 Aug 13 j 00:42	8°♋58'09	
	-11118 Sep 09 j 09:35	0°♌	
	-11118 Oct 19 j 07:44	0°♍	
evening set	-11118 Nov 02 j 22:14	10°♍42'11	
	-11118 Nov 29 j 20:21	0°♎	
conjunction	-11118 Dec 28 j 17:35	20°♎05'18	-1°12'11
minimum elong	-11118 Dec 28 j 16:30	20°♎03'26	1°12'21
	-11117 Jan 12 j 07:32	0°♏	
max. Earth dist.	-11117 Jan 24 j 23:05	8°♏29'11	2.58109 AU
morning rise	-11117 Feb 19 j 13:04	25°♏21'28	
	-11117 Feb 26 j 16:15	0°♐	
	-11117 Apr 14 j 15:56	0°♑	
	-11117 Jun 02 j 03:13	0°♒	
	-11117 Jul 22 j 23:47	0°♓	
asc. node	-11117 Aug 09 j 16:06	9°♓46'08	
	-11117 Sep 20 j 10:35	0°♈	
retrograde	-11117 Nov 08 j 15:07	11°♈47'12	
opposition	-11117 Dec 13 j 01:54	4°♈47'18	5°24'20
greatest brilliancy	-11117 Dec 14 j 11:28	4°♈18'02	-2.1m
min. Earth dist.	-11117 Dec 21 j 01:47	2°♈01'01	0.49782 AU
	-11117 Dec 27 j 09:25	30°℞♓	
direct	-11116 Jan 20 j 02:28	26°♓13'25	
	-11116 Feb 13 j 14:20	0°♈	
	-11116 Apr 14 j 05:33	0°♉	
	-11116 May 28 j 09:32	0°♊	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

desc. node	-11116 Jun 30 j 05:25	23°♊56'42		
	-11116 Jul 08 j 09:36	0°♋		
	-11116 Aug 17 j 19:30	0°♌		
	-11116 Sep 27 j 21:13	0°♍		
	-11116 Nov 09 j 07:46	0°♎		
evening set	-11116 Dec 21 j 22:16	28°♎59'30		
	-11116 Dec 23 j 10:30	0°♏		
	-11115 Feb 07 j 02:00	0°♐		
conjunction	-11115 Feb 10 j 11:19	2°♐11'41	-1°05'56	
minimum elong	-11115 Feb 10 j 12:41	2°♐13'53	1°06'27	
max. Earth dist.	-11115 Feb 20 j 19:41	8°♐52'39	2.64854 AU	
	-11115 Mar 25 j 18:23	0°♑		
morning rise	-11115 Mar 30 j 20:45	3°♑15'18		
	-11115 May 11 j 20:40	0°♒		
asc. node	-11115 Jun 26 j 08:55	28°♒58'02		
	-11115 Jun 27 j 23:53	0°♓		
	-11115 Aug 14 j 09:36	0°♈		
	-11115 Oct 02 j 09:24	0°♉		
	-11115 Nov 27 j 20:56	0°♊		
retrograde	-11114 Jan 16 j 07:33	12°♊34'31		
opposition	-11114 Feb 16 j 04:26	7°♊23'15	6°07'33	
greatest brilliancy	-11114 Feb 17 j 02:28	7°♊08'04	-2.8m	
min. Earth dist.	-11114 Feb 19 j 16:15	6°♊25'38	0.39218 AU	
direct	-11114 Mar 19 j 23:24	1°♊48'37		
desc. node	-11114 May 18 j 10:16	20°♊30'43		
	-11114 Jun 04 j 08:41	0°♋		
	-11114 Jul 21 j 19:19	0°♌		
	-11114 Sep 04 j 14:03	0°♍		
	-11114 Oct 19 j 08:23	0°♎		
	-11114 Dec 03 j 22:44	0°♏		
	-11113 Jan 19 j 10:40	0°♐		
evening set	-11113 Feb 01 j 23:10	8°♐38'58		
	-11113 Mar 07 j 09:26	0°♑		
max. Earth dist.	-11113 Mar 17 j 06:43	6°♑19'25	2.66341 AU	
conjunction	-11113 Mar 22 j 04:04	9°♑27'16	-0°30'36	
minimum elong	-11113 Mar 22 j 05:13	9°♑29'05	0°31'12	
	-11113 Apr 23 j 02:04	0°♒		
morning rise	-11113 May 07 j 22:57	9°♒39'37		
asc. node	-11113 May 14 j 01:17	13°♒38'26		
	-11113 Jun 07 j 21:46	0°♓		
	-11113 Jul 22 j 14:02	0°♈		
	-11113 Sep 04 j 05:13	0°♉		
	-11113 Oct 17 j 05:58	0°♊		
	-11113 Nov 29 j 14:27	0°♋		
	-11112 Jan 14 j 23:03	0°♌		
retrograde	-11112 Mar 29 j 10:29	27°♌51'52		
desc. node	-11112 Apr 04 j 13:16	27°♌36'08		
min. Earth dist.	-11112 Apr 25 j 20:48	23°♌02'16	0.42563 AU	
opposition	-11112 May 03 j 04:18	20°♌43'39	-2°01'02	
greatest brilliancy	-11112 May 02 j 13:31	20°♌55'21	-2.6m	
direct	-11112 Jun 03 j 17:07	14°♌46'49		
	-11112 Jul 28 j 23:01	0°♍		
	-11112 Sep 22 j 16:34	0°♎		
	-11112 Nov 11 j 11:23	0°♏		
	-11112 Dec 29 j 23:43	0°♐		
	-11111 Feb 15 j 20:21	0°♑		
evening set	-11111 Mar 12 j 08:02	15°♑34'28		
asc. node	-11111 Mar 30 j 20:37	27°♑30'13		
	-11111 Apr 03 j 16:59	0°♒		
max. Earth dist.	-11111 Apr 10 j 16:51	4°♒33'21	2.62514 AU	
conjunction	-11111 Apr 29 j 13:21	16°♒57'33	0°17'54	
minimum elong	-11111 Apr 29 j 12:38	16°♒56'21	0°17'27	
	-11111 May 19 j 01:29	0°♓		
morning rise	-11111 Jun 16 j 09:35	19°♓21'43		
	-11111 Jul 01 j 15:43	0°♈		
	-11111 Aug 12 j 13:37	0°♉		
	-11111 Sep 22 j 04:47	0°♊		
	-11111 Nov 01 j 04:06	0°♋		
	-11111 Dec 11 j 09:29	0°♌		
	-11110 Jan 22 j 08:33	0°♍		
desc. node	-11110 Feb 20 j 12:51	19°♍13'39		
	-11110 Mar 10 j 13:11	0°♎		
retrograde	-11110 May 19 j 05:03	24°♎09'50		
min. Earth dist.	-11110 Jun 20 j 00:26	17°♎21'26	0.54674 AU	
opposition	-11110 Jun 26 j 22:21	14°♎43'10	-5°24'47	
greatest brilliancy	-11110 Jun 25 j 15:46	15°♎12'28	-1.9m	
direct	-11110 Aug 01 j 09:57	6°♎48'40		
	-11110 Oct 14 j 01:46	0°♏		
	-11110 Dec 08 j 03:02	0°♐		
	-11109 Jan 27 j 08:01	0°♑		
asc. node	-11109 Feb 15 j 20:30	12°♑06'02		
	-11109 Mar 16 j 01:09	0°♒		
evening set	-11109 Apr 22 j 13:04	24°♒39'03		
	-11109 Apr 30 j 11:24	0°♓		
max. Earth dist.	-11109 May 11 j 03:03	7°♓15'39	2.53739 AU	
conjunction	-11109 Jun 12 j 09:20	29°♓49'14	1°01'59	
minimum elong	-11109 Jun 12 j 07:32	29°♓46'00	1°01'54	
	-11109 Jun 12 j 15:23	0°♈		
	-11109 Jul 23 j 18:57	0°♉		
morning rise	-11109 Aug 04 j 05:12	8°♉32'56		
	-11109 Sep 01 j 10:50	0°♊		
	-11109 Oct 10 j 08:07	0°♋		
	-11109 Nov 18 j 07:06	0°♌		
	-11109 Dec 28 j 07:05	0°♍		
desc. node	-11108 Jan 08 j 07:16	8°♍01'04		
	-11108 Feb 08 j 12:54	0°♎		
	-11108 Mar 26 j 04:58	0°♏		
	-11108 May 27 j 06:51	0°♐		
retrograde	-11108 Jun 26 j 07:48	5°♐13'00		
	-11108 Jul 24 j 01:01	30°℞♏		
min. Earth dist.	-11108 Aug 01 j 20:36	26°♏38'05	0.63558 AU	
opposition	-11108 Aug 05 j 04:57	25°♏17'20	-4°50'16	
greatest brilliancy	-11108 Aug 04 j 16:29	25°♏29'52	-1.5m	
direct	-11108 Sep 12 j 14:32	16°♏10'30		
	-11108 Nov 06 j 02:19	0°♐		
asc. node	-11107 Jan 03 j 00:41	29°♐24'33		
	-11107 Jan 04 j 01:43	0°♑		
	-11107 Feb 23 j 05:32	0°♒		
	-11107 Apr 10 j 10:16	0°♓		
	-11107 May 23 j 15:51	0°♈		
evening set	-11107 Jun 08 j 17:06	11°♈36'12		
max. Earth dist.	-11107 Jun 29 j 14:46	27°♈03'36	2.41941 AU	
	-11107 Jul 03 j 12:51	0°♉		
conjunction	-11107 Aug 04 j 17:43	24°♉33'23	1°07'40	
minimum elong	-11107 Aug 04 j 19:44	24°♉37'17	1°08'07	
	-11107 Aug 11 j 18:34	0°♊		
	-11107 Sep 19 j 04:48	0°♋		
morning rise	-11107 Oct 06 j 02:29	13°♋13'10		
	-11107 Oct 27 j 16:50	0°♌		
desc. node	-11107 Nov 25 j 00:37	21°♌38'43		
	-11107 Dec 06 j 03:52	0°♍		
	-11106 Jan 16 j 09:55	0°♎		
	-11106 Mar 01 j 08:07	0°♏		
	-11106 Apr 18 j 10:08	0°♐		
	-11106 Jun 16 j 10:45	0°♑		
retrograde	-11106 Jul 31 j 16:10	10°♑21'04		
opposition	-11106 Sep 09 j 07:02	0°♑43'18	-2°45'25	
greatest brilliancy	-11106 Sep 09 j 08:38	0°♑41'42	-1.4m	
min. Earth dist.	-11106 Sep 09 j 17:06	0°♑33'11	0.66541 AU	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11106 Sep 11 j 02:05	30°℞♐		
direct	-11106 Oct 19 j 12:24	20°♐56'12		
asc. node	-11106 Nov 21 j 05:49	26°♐37'03		
	-11106 Dec 01 j 00:50	0°♑		
	-11105 Jan 31 j 03:17	0°♒		
	-11105 Mar 20 j 20:56	0°♓		
	-11105 May 03 j 21:31	0°♈		
	-11105 Jun 13 j 23:00	0°♉		
	-11105 Jul 23 j 03:57	0°♊		
evening set	-11105 Aug 07 j 21:25	12°♊16'08		
	-11105 Aug 30 j 12:10	0°♋		
	-11105 Oct 07 j 22:34	0°♌		
conjunction	-11105 Oct 09 j 18:47	1°♌25'27	0°02'23	
minimum elong	-11105 Oct 09 j 19:04	1°♌26'01	0°02'55	
behind sun begin	-11105 Oct 08 j 16:20	0°♌34'23		
behind sun end	-11105 Oct 10 j 21:49	2°♌17'37		
desc. node	-11105 Oct 12 j 20:37	3°♌47'55		
	-11105 Nov 16 j 08:07	0°♍		
max. Earth dist.	-11105 Nov 22 j 08:24	4°♍28'45	2.41960 AU	
morning rise	-11105 Dec 12 j 07:02	19°♍07'29		
	-11105 Dec 27 j 09:59	0°♎		
	-11104 Feb 08 j 16:47	0°♏		
	-11104 Mar 25 j 14:24	0°♐		
	-11104 May 13 j 23:45	0°♑		
	-11104 Jul 10 j 12:47	0°♒		
retrograde	-11104 Sep 05 j 06:44	14°♒54'34		
asc. node	-11104 Oct 08 j 09:38	8°♒00'44		
opposition	-11104 Oct 13 j 14:09	6°♒00'27	0°13'03	
greatest brilliancy	-11104 Oct 13 j 14:51	5°♒59'46	-1.5m	
min. Earth dist.	-11104 Oct 17 j 16:23	4°♒23'51	0.63351 AU	
	-11104 Oct 29 j 21:27	30°℞♑		
direct	-11104 Nov 23 j 09:36	26°♑02'02		
	-11104 Dec 19 j 19:17	0°♒		
	-11103 Feb 22 j 20:14	0°♓		
	-11103 Apr 10 j 22:06	0°♈		
	-11103 May 23 j 01:13	0°♉		
	-11103 Jul 01 j 17:53	0°♊		
	-11103 Aug 09 j 09:47	0°♋		
desc. node	-11103 Aug 29 j 18:36	15°♋49'55		
	-11103 Sep 17 j 03:10	0°♌		
evening set	-11103 Oct 11 j 01:18	18°♌12'25		
	-11103 Oct 26 j 19:38	0°♍		
	-11103 Dec 07 j 03:07	0°♎		
conjunction	-11103 Dec 08 j 15:34	1°♎04'37	-1°02'08	
minimum elong	-11103 Dec 08 j 13:14	1°♎00'28	1°02'05	
max. Earth dist.	-11102 Jan 11 j 23:59	24°♎56'50	2.54102 AU	
	-11102 Jan 19 j 10:36	0°♏		
morning rise	-11102 Feb 02 j 03:25	9°♏12'10		
	-11102 Mar 05 j 19:12	0°♐		
	-11102 Apr 22 j 02:29	0°♑		
	-11102 Jun 10 j 15:21	0°♒		
	-11102 Aug 04 j 01:00	0°♓		
asc. node	-11102 Aug 26 j 09:01	10°♓26'14		
retrograde	-11102 Oct 18 j 20:30	23°♓55'17		
opposition	-11102 Nov 23 j 15:39	16°♓14'46	3°55'24	
greatest brilliancy	-11102 Nov 24 j 13:45	15°♓54'26	-1.9m	
min. Earth dist.	-11102 Nov 30 j 22:32	13°♓34'15	0.54435 AU	
direct	-11101 Jan 02 j 02:23	6°♓57'10		
	-11101 Mar 11 j 14:54	0°♈		
	-11101 Apr 28 j 02:34	0°♉		
	-11101 Jun 08 j 19:57	0°♊		
desc. node	-11101 Jul 17 j 20:36	29°♊22'08		
	-11101 Jul 18 j 16:33	0°♋		
	-11101 Aug 27 j 08:05	0°♌		
	-11101 Oct 06 j 19:40	0°♍		
	-11101 Nov 17 j 19:11	0°♎		
evening set	-11101 Dec 04 j 17:12	11°♎44'27		
	-11101 Dec 31 j 13:54	0°♏		
conjunction	-11100 Jan 25 j 22:46	16°♏51'44	-1°12'52	
minimum elong	-11100 Jan 25 j 23:29	16°♏52'56	1°13'17	
max. Earth dist.	-11100 Feb 11 j 13:42	27°♏44'30	2.62817 AU	
	-11100 Feb 15 j 01:02	0°♐		
morning rise	-11100 Mar 15 j 16:54	19°♐07'14		
	-11100 Apr 01 j 18:07	0°♑		
	-11100 May 19 j 05:08	0°♒		
	-11100 Jul 06 j 07:42	0°♓		
asc. node	-11100 Jul 13 j 03:38	4°♓12'26		
	-11100 Aug 25 j 00:42	0°♈		
	-11100 Oct 20 j 02:32	0°♉		
retrograde	-11100 Dec 17 j 07:21	16°♉00'58		
opposition	-11099 Jan 18 j 05:43	10°♉15'15	6°52'30	
greatest brilliancy	-11099 Jan 19 j 21:24	9°♉45'15	-2.5m	
min. Earth dist.	-11099 Jan 25 j 05:09	8°♉09'16	0.42517 AU	
direct	-11099 Feb 21 j 17:54	3°♉29'08		
	-11099 May 05 j 03:23	0°♊		
desc. node	-11099 Jun 04 j 01:52	18°♊58'22		
	-11099 Jun 20 j 09:24	0°♋		
	-11099 Aug 02 j 08:07	0°♌		
	-11099 Sep 14 j 00:27	0°♍		
	-11099 Oct 27 j 13:34	0°♎		
	-11099 Dec 11 j 10:02	0°♏		
evening set	-11098 Jan 17 j 04:40	23°♏59'49		
	-11098 Jan 26 j 11:45	0°♐		
conjunction	-11098 Mar 07 j 00:15	25°♐21'20	-0°46'39	
minimum elong	-11098 Mar 07 j 01:45	25°♐23'44	0°47'15	
max. Earth dist.	-11098 Mar 07 j 23:00	25°♐57'42	2.66398 AU	
	-11098 Mar 14 j 06:30	0°♑		
morning rise	-11098 Apr 23 j 03:09	25°♑32'56		
	-11098 Apr 30 j 01:06	0°♒		
asc. node	-11098 May 30 j 20:00	19°♒56'08		
	-11098 Jun 15 j 05:56	0°♓		
	-11098 Jul 30 j 16:27	0°♈		
	-11098 Sep 13 j 14:41	0°♉		
	-11098 Oct 28 j 19:35	0°♊		
	-11098 Dec 15 j 13:16	0°♋		
retrograde	-11097 Mar 04 j 18:38	29°♋40'17		
min. Earth dist.	-11097 Apr 01 j 20:23	25°♋00'10	0.39227 AU	
opposition	-11097 Apr 06 j 01:13	23°♋48'47	1°15'32	
greatest brilliancy	-11097 Apr 05 j 21:59	23°♋51'05	-2.9m	
desc. node	-11097 Apr 22 j 06:17	19°♋51'32		
direct	-11097 May 06 j 13:02	18°♋33'37		
	-11097 Jun 21 j 13:21	0°♌		
	-11097 Aug 16 j 18:43	0°♍		
	-11097 Oct 04 j 10:56	0°♎		
	-11097 Nov 20 j 23:09	0°♏		
	-11096 Jan 07 j 11:08	0°♐		
	-11096 Feb 23 j 20:59	0°♑		
evening set	-11096 Feb 26 j 01:41	1°♑23'48		
max. Earth dist.	-11096 Mar 31 j 11:05	23°♑25'35	2.64646 AU	
	-11096 Apr 10 j 14:45	0°♒		
conjunction	-11096 Apr 14 j 00:01	2°♒12'03	-0°01'35	
minimum elong	-11096 Apr 14 j 00:06	2°♒12'11	0°02'08	
behind sun begin	-11096 Apr 13 j 04:30	1°♒40'20		
behind sun end	-11096 Apr 14 j 19:42	2°♒44'03		
asc. node	-11096 Apr 16 j 13:57	3°♒52'53		
	-11096 May 26 j 02:22	0°♓		
morning rise	-11096 May 31 j 01:20	3°♓19'56		
	-11096 Jul 09 j 00:33	0°♈		
	-11096 Aug 20 j 10:44	0°♉		

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11096 Sep 30 j 17:39	0°♊	
	-11096 Nov 10 j 12:24	0°♋	
	-11096 Dec 21 j 20:45	0°♌	
	-11095 Feb 04 j 02:45	0°♍	
desc. node	-11095 Mar 09 j 06:12	19°♍08'56	
	-11095 Apr 03 j 16:11	0°♎	
retrograde	-11095 May 01 j 11:58	4°♎56'15	
	-11095 May 28 j 05:35	30°℞♍	
min. Earth dist.	-11095 May 31 j 05:24	28°♍58'08	0.49964 AU
greatest brilliancy	-11095 Jun 06 j 18:02	26°♍36'27	-2.1m
opposition	-11095 Jun 08 j 02:27	26°♍06'55	-4°48'58
direct	-11095 Jul 12 j 04:06	18°♍53'10	
	-11095 Aug 27 j 18:57	0°♎	
	-11095 Oct 26 j 11:01	0°♏	
	-11095 Dec 16 j 19:44	0°♐	
	-11094 Feb 03 j 20:15	0°♑	
asc. node	-11094 Mar 04 j 11:47	18°♑02'13	
	-11094 Mar 23 j 03:09	0°♒	
evening set	-11094 Apr 06 j 00:06	9°♒02'01	
max. Earth dist.	-11094 Apr 28 j 07:24	23°♒48'47	2.57739 AU
	-11094 May 07 j 11:51	0°♓	
conjunction	-11094 May 25 j 10:17	12°♓15'14	0°46'57
minimum elong	-11094 May 25 j 08:33	12°♓12'14	0°46'43
	-11094 Jun 19 j 19:03	0°♈	
morning rise	-11094 Jul 14 j 15:52	17°♈52'17	
	-11094 Jul 31 j 04:41	0°♉	
	-11094 Sep 09 j 03:51	0°♊	
	-11094 Oct 18 j 08:48	0°♋	
	-11094 Nov 26 j 15:38	0°♌	
	-11093 Jan 06 j 02:06	0°♍	
desc. node	-11093 Jan 25 j 03:54	13°♍35'11	
	-11093 Feb 18 j 06:09	0°♎	
	-11093 Apr 09 j 03:32	0°♏	
retrograde	-11093 Jun 12 j 22:29	20°♏32'46	
min. Earth dist.	-11093 Jul 17 j 18:27	12°♏35'01	0.60735 AU
opposition	-11093 Jul 22 j 14:02	10°♏40'07	-5°18'40
greatest brilliancy	-11093 Jul 21 j 17:53	11°♏00'10	-1.6m
direct	-11093 Aug 28 j 23:17	1°♏56'57	
	-11093 Nov 21 j 03:43	0°♐	
	-11092 Jan 13 j 23:24	0°♑	
asc. node	-11092 Jan 20 j 13:46	3°♑55'15	
	-11092 Mar 02 j 21:11	0°♒	
	-11092 Apr 17 j 16:38	0°♓	
evening set	-11092 May 19 j 18:38	22°♓08'00	
	-11092 May 30 j 20:43	0°♈	
max. Earth dist.	-11092 Jun 05 j 04:58	3°♈49'53	2.46637 AU
	-11092 Jul 10 j 19:44	0°♉	
conjunction	-11092 Jul 12 j 21:29	1°♉33'17	1°13'12
minimum elong	-11092 Jul 12 j 21:22	1°♉33'03	1°13'29
	-11092 Aug 19 j 04:44	0°♊	
morning rise	-11092 Sep 09 j 08:06	16°♊24'28	
	-11092 Sep 26 j 18:27	0°♋	
	-11092 Nov 04 j 09:30	0°♌	
desc. node	-11092 Dec 11 j 21:54	28°♌27'49	
	-11092 Dec 13 j 23:27	0°♍	
	-11091 Jan 24 j 10:39	0°♎	
	-11091 Mar 09 j 22:53	0°♏	
	-11091 Apr 29 j 03:41	0°♐	
retrograde	-11091 Jul 18 j 01:54	27°♐12'46	
opposition	-11091 Aug 26 j 22:20	17°♐24'25	-3°40'57
min. Earth dist.	-11091 Aug 25 j 20:53	17°♐50'07	0.66098 AU
greatest brilliancy	-11091 Aug 26 j 19:48	17°♐26'59	-1.4m
direct	-11091 Oct 05 j 13:43	7°♐49'57	
asc. node	-11091 Dec 07 j 18:50	25°♐31'45	
	-11091 Dec 17 j 04:04	0°♑	

	-11090 Feb 09 j 11:40	0°♒	
	-11090 Mar 28 j 21:26	0°♓	
	-11090 May 11 j 12:12	0°♈	
	-11090 Jun 21 j 10:50	0°♉	
evening set	-11090 Jul 14 j 01:04	17°♉10'37	
	-11090 Jul 30 j 15:13	0°♊	
	-11090 Sep 06 j 23:25	0°♋	
conjunction	-11090 Sep 13 j 11:52	5°♋06'52	0°34'10
minimum elong	-11090 Sep 13 j 14:43	5°♋12'27	0°34'44
max. Earth dist.	-11090 Sep 30 j 21:16	18°♋43'17	2.38443 AU
	-11090 Oct 15 j 09:32	0°♌	
desc. node	-11090 Oct 29 j 15:10	10°♌57'43	
morning rise	-11090 Nov 17 j 11:06	25°♌16'01	
	-11090 Nov 23 j 18:29	0°♍	
	-11089 Jan 03 j 20:20	0°♎	
	-11089 Feb 16 j 05:55	0°♏	
	-11089 Apr 03 j 15:42	0°♐	
	-11089 May 24 j 21:09	0°♑	
	-11089 Aug 06 j 22:17	0°♒	
retrograde	-11089 Aug 22 j 14:38	1°♒26'26	
	-11089 Sep 06 j 08:56	30°℞♑	
opposition	-11089 Sep 30 j 13:16	22°♑12'17	-1°01'48
greatest brilliancy	-11089 Sep 30 j 16:03	22°♑09'31	-1.4m
min. Earth dist.	-11089 Oct 03 j 05:17	21°♑08'32	0.65319 AU
asc. node	-11089 Oct 25 j 23:49	13°♑47'38	
direct	-11089 Nov 10 j 07:10	12°♑14'12	
	-11088 Jan 11 j 12:19	0°♒	
	-11088 Mar 05 j 06:56	0°♓	
	-11088 Apr 19 j 16:16	0°♈	
	-11088 May 31 j 05:46	0°♉	
	-11088 Jul 09 j 15:55	0°♊	
	-11088 Aug 17 j 03:21	0°♋	
desc. node	-11088 Sep 15 j 11:58	22°♋53'24	
evening set	-11088 Sep 16 j 09:27	23°♋35'02	
	-11088 Sep 24 j 16:34	0°♌	
	-11088 Nov 03 j 04:53	0°♍	
conjunction	-11088 Nov 16 j 14:30	9°♍55'04	-0°43'18
minimum elong	-11088 Nov 16 j 11:44	9°♍50'00	0°43'00
	-11088 Dec 14 j 08:48	0°♎	
max. Earth dist.	-11088 Dec 27 j 13:18	9°♎18'54	2.49544 AU
morning rise	-11087 Jan 14 j 05:30	21°♎34'20	
	-11087 Jan 26 j 14:15	0°♏	
	-11087 Mar 13 j 01:12	0°♐	
	-11087 Apr 29 j 20:51	0°♑	
	-11087 Jun 20 j 02:44	0°♒	
	-11087 Aug 21 j 23:38	0°♓	
asc. node	-11087 Sep 12 j 01:38	6°♓01'53	
retrograde	-11087 Sep 30 j 14:46	7°♓59'58	
	-11087 Nov 05 j 22:37	30°℞♒	
opposition	-11087 Nov 06 j 13:21	29°♒46'01	2°25'09
greatest brilliancy	-11087 Nov 07 j 00:46	29°♒35'09	-1.7m
min. Earth dist.	-11087 Nov 12 j 16:59	27°♒25'29	0.58534 AU
direct	-11087 Dec 16 j 20:10	20°♒03'06	
	-11086 Jan 28 j 16:03	0°♓	
	-11086 Mar 25 j 06:45	0°♈	
	-11086 May 08 j 11:33	0°♉	
	-11086 Jun 18 j 01:35	0°♊	
	-11086 Jul 27 j 06:47	0°♋	
desc. node	-11086 Aug 03 j 13:02	5°♋35'02	
	-11086 Sep 04 j 10:39	0°♌	
	-11086 Oct 14 j 12:13	0°♍	
evening set	-11086 Nov 14 j 23:01	22°♍46'58	
	-11086 Nov 25 j 03:25	0°♎	
	-11085 Jan 07 j 15:54	0°♏	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

conjunction	-11085 Jan 08 j 08:45	0°♏28'25	-1°14'19
minimum elong	-11085 Jan 08 j 08:25	0°♏27'51	1°14'35
max. Earth dist.	-11085 Jan 31 j 17:06	16°♏02'51	2.59989 AU
	-11085 Feb 22 j 00:24	0°♐	
morning rise	-11085 Feb 28 j 22:44	4°♐29'40	
	-11085 Apr 09 j 20:29	0°♑	
	-11085 May 27 j 20:53	0°♒	
	-11085 Jul 16 j 11:07	0°♓	
asc. node	-11085 Jul 30 j 22:17	8°♓25'24	
	-11085 Sep 08 j 13:39	0°♈	
retrograde	-11085 Nov 21 j 20:19	23°♈30'09	
opposition	-11085 Dec 25 j 11:18	16°♈56'12	6°08'16
greatest brilliancy	-11085 Dec 27 j 02:04	16°♈23'51	-2.3m
min. Earth dist.	-11084 Jan 02 j 13:30	14°♈15'22	0.47074 AU
direct	-11084 Jan 31 j 09:48	8°♈56'11	
	-11084 Apr 03 j 16:03	0°♉	
	-11084 May 20 j 23:04	0°♊	
desc. node	-11084 Jun 20 j 16:40	21°♊44'32	
	-11084 Jul 02 j 02:10	0°♋	
	-11084 Aug 12 j 03:30	0°♌	
	-11084 Sep 22 j 15:37	0°♍	
	-11084 Nov 04 j 09:37	0°♎	
	-11084 Dec 18 j 17:08	0°♏	
evening set	-11084 Dec 31 j 18:30	8°♏38'45	
	-11083 Feb 02 j 11:17	0°♐	
conjunction	-11083 Feb 19 j 13:46	11°♐02'15	-0°59'53
minimum elong	-11083 Feb 19 j 15:18	11°♐04'43	1°00'26
max. Earth dist.	-11083 Feb 26 j 12:08	15°♐29'33	2.65637 AU
	-11083 Mar 21 j 03:43	0°♑	
morning rise	-11083 Apr 08 j 09:20	11°♑39'01	
	-11083 May 07 j 02:32	0°♒	
asc. node	-11083 Jun 16 j 15:02	25°♒59'24	
	-11083 Jun 22 j 20:35	0°♓	
	-11083 Aug 08 j 09:54	0°♈	
	-11083 Sep 24 j 11:25	0°♉	
	-11083 Nov 13 j 08:34	0°♊	
retrograde	-11082 Feb 03 j 00:03	29°♊26'38	
opposition	-11082 Mar 05 j 18:49	24°♊17'48	4°46'13
greatest brilliancy	-11082 Mar 06 j 02:54	24°♊12'25	-2.9m
min. Earth dist.	-11082 Mar 06 j 13:15	24°♊05'30	0.38378 AU
direct	-11082 Apr 05 j 10:33	19°♊06'50	
desc. node	-11082 May 08 j 22:16	25°♊44'35	
	-11082 May 19 j 12:03	0°♋	
	-11082 Jul 13 j 04:32	0°♌	
	-11082 Aug 29 j 00:48	0°♍	
	-11082 Oct 13 j 18:50	0°♎	
	-11082 Nov 28 j 21:56	0°♏	
	-11081 Jan 14 j 17:01	0°♐	
evening set	-11081 Feb 10 j 20:15	17°♐17'04	
	-11081 Mar 02 j 19:06	0°♑	
max. Earth dist.	-11081 Mar 22 j 19:33	12°♑48'16	2.65970 AU
conjunction	-11081 Mar 30 j 20:19	17°♑57'40	-0°20'20
minimum elong	-11081 Mar 30 j 21:07	17°♑58'57	0°20'56
	-11081 Apr 18 j 11:51	0°♒	
asc. node	-11081 May 04 j 07:41	10°♒18'00	
morning rise	-11081 May 16 j 14:17	18°♒21'12	
	-11081 Jun 03 j 04:31	0°♓	
	-11081 Jul 17 j 13:42	0°♈	
	-11081 Aug 29 j 17:15	0°♉	
	-11081 Oct 10 j 23:57	0°♊	
	-11081 Nov 22 j 03:31	0°♋	
	-11080 Jan 04 j 19:05	0°♌	
	-11080 Feb 25 j 03:05	0°♍	
desc. node	-11080 Mar 26 j 01:40	10°♍43'21	
retrograde	-11080 Apr 11 j 07:23	12°♍30'41	
min. Earth dist.	-11080 May 09 j 05:11	7°♍21'15	0.45036 AU
greatest brilliancy	-11080 May 16 j 03:57	5°♍02'15	-2.4m
opposition	-11080 May 17 j 04:47	4°♍41'24	-3°21'25
	-11080 Jun 02 j 12:12	30°℞♌	
direct	-11080 Jun 18 j 15:44	28°♌16'35	
	-11080 Jul 05 j 09:06	0°♍	
	-11080 Sep 14 j 16:17	0°♎	
	-11080 Nov 05 j 13:47	0°♏	
	-11080 Dec 24 j 21:21	0°♐	
	-11079 Feb 11 j 02:36	0°♑	
evening set	-11079 Mar 21 j 05:11	24°♑14'57	
asc. node	-11079 Mar 21 j 03:27	24°♑12'11	
	-11079 Mar 30 j 02:40	0°♒	
max. Earth dist.	-11079 Apr 16 j 20:45	11°♒35'52	2.61024 AU
conjunction	-11079 May 08 j 17:48	26°♒08'16	0°28'57
minimum elong	-11079 May 08 j 16:39	26°♒06'19	0°28'34
	-11079 May 14 j 11:29	0°♓	
morning rise	-11079 Jun 26 j 05:37	29°♓28'58	
	-11079 Jun 26 j 23:14	0°♈	
	-11079 Aug 07 j 16:39	0°♉	
	-11079 Sep 17 j 01:28	0°♊	
	-11079 Oct 26 j 17:11	0°♋	
	-11079 Dec 05 j 12:29	0°♌	
	-11078 Jan 15 j 17:39	0°♍	
desc. node	-11078 Feb 10 j 23:14	17°♍57'45	
	-11078 Mar 01 j 18:35	0°♎	
	-11078 May 01 j 14:27	0°♏	
retrograde	-11078 May 28 j 13:50	4°♏29'34	
	-11078 Jun 22 j 21:44	30°℞♎	
min. Earth dist.	-11078 Jun 30 j 12:14	27°♎14'49	0.57035 AU
opposition	-11078 Jul 06 j 17:10	24°♎49'56	-5°29'44
greatest brilliancy	-11078 Jul 05 j 13:41	25°♎16'44	-1.8m
direct	-11078 Aug 11 j 21:45	16°♎36'22	
	-11078 Oct 03 j 18:40	0°♏	
	-11078 Dec 01 j 22:52	0°♐	
	-11077 Jan 22 j 04:11	0°♑	
asc. node	-11077 Feb 06 j 04:07	9°♑10'51	
	-11077 Mar 11 j 06:29	0°♒	
	-11077 Apr 25 j 20:20	0°♓	
evening set	-11077 May 02 j 10:42	4°♓28'57	
max. Earth dist.	-11077 May 19 j 13:46	16°♓17'05	2.51332 AU
	-11077 Jun 08 j 00:46	0°♈	
conjunction	-11077 Jun 23 j 06:29	10°♈57'51	1°08'15
minimum elong	-11077 Jun 23 j 05:01	10°♈55'10	1°08'18
	-11077 Jul 19 j 03:06	0°♉	
morning rise	-11077 Aug 16 j 21:00	21°♉42'52	
	-11077 Aug 27 j 16:25	0°♊	
	-11077 Oct 05 j 10:34	0°♋	
	-11077 Nov 13 j 05:52	0°♌	
	-11077 Dec 23 j 00:41	0°♍	
desc. node	-11077 Dec 29 j 17:40	4°♍55'58	
	-11076 Feb 02 j 21:04	0°♎	
	-11076 Mar 19 j 10:39	0°♏	
	-11076 May 13 j 07:24	0°♐	
retrograde	-11076 Jul 04 j 09:05	13°♐41'12	
min. Earth dist.	-11076 Aug 10 j 18:10	4°♐48'07	0.64721 AU
opposition	-11076 Aug 13 j 07:12	3°♐46'36	-4°27'54
greatest brilliancy	-11076 Aug 12 j 22:39	3°♐55'12	-1.4m
	-11076 Aug 23 j 01:48	30°℞♏	
direct	-11076 Sep 21 j 04:29	24°♏28'48	
	-11076 Oct 23 j 10:48	0°♐	
asc. node	-11076 Dec 24 j 08:35	27°♐40'37	
	-11076 Dec 28 j 15:32	0°♑	
	-11075 Feb 17 j 22:59	0°♒	
	-11075 Apr 05 j 13:15	0°♓	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11075 May 18 j 22:17	0°♈	
evening set	-11075 Jun 20 j 22:37	24°♈05'11	
	-11075 Jun 28 j 20:23	0°♉	
max. Earth dist.	-11075 Jul 21 j 06:55	17°♉02'32	2.39755 AU
	-11075 Aug 07 j 01:50	0°♊	
conjunction	-11075 Aug 18 j 15:13	8°♊59'34	0°58'55
minimum elong	-11075 Aug 18 j 18:12	9°♊05'24	0°59'27
	-11075 Sep 14 j 11:19	0°♋	
morning rise	-11075 Oct 21 j 13:46	28°♋57'10	
	-11075 Oct 22 j 22:15	0°♌	
desc. node	-11075 Nov 15 j 11:40	18°♌04'08	
	-11075 Dec 01 j 07:33	0°♍	
	-11074 Jan 11 j 10:39	0°♎	
	-11074 Feb 24 j 01:50	0°♏	
	-11074 Apr 12 j 07:49	0°♐	
	-11074 Jun 06 j 01:42	0°♑	
retrograde	-11074 Aug 08 j 13:57	18°♑17'37	
opposition	-11074 Sep 17 j 00:08	8°♑47'08	-2°09'29
greatest brilliancy	-11074 Sep 17 j 02:55	8°♑44'19	-1.4m
min. Earth dist.	-11074 Sep 18 j 05:14	8°♑17'54	0.66364 AU
	-11074 Oct 14 j 15:19	30°℞♐	
direct	-11074 Oct 27 j 11:17	28°♐54'52	
	-11074 Nov 10 j 00:42	0°♑	
asc. node	-11074 Nov 11 j 14:32	0°♑15'21	
	-11073 Jan 24 j 08:17	0°♒	
	-11073 Mar 15 j 09:34	0°♓	
	-11073 Apr 28 j 20:10	0°♈	
	-11073 Jun 09 j 01:43	0°♉	
	-11073 Jul 18 j 08:20	0°♊	
evening set	-11073 Aug 22 j 13:37	27°♊31'19	
	-11073 Aug 25 j 17:29	0°♋	
desc. node	-11073 Oct 03 j 06:13	0°♌03'19	
	-11073 Oct 03 j 04:30	0°♌	
conjunction	-11073 Oct 24 j 08:31	16°♌14'27	-0°15'52
minimum elong	-11073 Oct 24 j 07:10	16°♌11'54	0°15'24
behind sun begin	-11073 Oct 23 j 23:06	15°♌56'33	
behind sun end	-11073 Oct 24 j 15:14	16°♌27'14	
	-11073 Nov 11 j 14:19	0°♍	
max. Earth dist.	-11073 Dec 07 j 23:46	19°♍26'39	2.44641 AU
	-11073 Dec 22 j 15:59	0°♎	
morning rise	-11073 Dec 25 j 06:18	1°♎50'54	
	-11072 Feb 03 j 20:57	0°♏	
	-11072 Mar 20 j 12:44	0°♐	
	-11072 May 08 j 03:52	0°♑	
	-11072 Jul 01 j 10:24	0°♒	
retrograde	-11072 Sep 14 j 02:39	23°♒19'22	
asc. node	-11072 Sep 28 j 17:45	21°♒55'17	
opposition	-11072 Oct 21 j 23:47	14°♒37'57	0°59'27
greatest brilliancy	-11072 Oct 22 j 03:25	14°♒34'24	-1.6m
min. Earth dist.	-11072 Oct 26 j 19:54	12°♒44'46	0.61890 AU
direct	-11072 Dec 01 j 16:54	4°♒42'20	
	-11071 Feb 15 j 01:40	0°♓	
	-11071 Apr 04 j 23:06	0°♈	
	-11071 May 17 j 15:58	0°♉	
	-11071 Jun 26 j 14:38	0°♊	
	-11071 Aug 04 j 10:08	0°♋	
desc. node	-11071 Aug 20 j 05:18	12°♋15'06	
	-11071 Sep 12 j 06:09	0°♌	
	-11071 Oct 22 j 00:36	0°♍	
evening set	-11071 Oct 24 j 07:39	1°♍41'53	
	-11071 Dec 02 j 09:43	0°♎	
conjunction	-11071 Dec 20 j 08:22	12°♎35'34	-1°08'54
minimum elong	-11071 Dec 20 j 06:42	12°♎32'40	1°08'59
	-11070 Jan 14 j 17:51	0°♏	
max. Earth dist.	-11070 Jan 19 j 18:34	3°♏23'38	2.56406 AU
morning rise	-11070 Feb 12 j 06:39	19°♏02'09	
	-11070 Mar 01 j 01:19	0°♐	
	-11070 Apr 17 j 02:55	0°♑	
	-11070 Jun 04 j 23:08	0°♒	
	-11070 Jul 27 j 00:05	0°♓	
asc. node	-11070 Aug 16 j 15:55	10°♓48'48	
	-11070 Oct 02 j 12:36	0°♈	
retrograde	-11070 Oct 30 j 06:08	4°♈13'16	
	-11070 Nov 25 j 04:34	30°℞♓	
opposition	-11070 Dec 04 j 08:44	26°♓54'04	4°46'38
greatest brilliancy	-11070 Dec 05 j 13:22	26°♓28'25	-2.0m
min. Earth dist.	-11070 Dec 12 j 03:04	24°♓08'01	0.51931 AU
direct	-11069 Jan 12 j 02:41	17°♓58'06	
	-11069 Feb 27 j 12:37	0°♈	
	-11069 Apr 20 j 17:06	0°♉	
	-11069 Jun 02 j 14:56	0°♊	
desc. node	-11069 Jul 08 j 09:41	26°♊31'10	
	-11069 Jul 13 j 01:06	0°♋	
	-11069 Aug 22 j 01:27	0°♌	
	-11069 Oct 01 j 19:14	0°♍	
	-11069 Nov 12 j 23:24	0°♎	
evening set	-11069 Dec 15 j 07:27	22°♎12'29	
	-11069 Dec 26 j 21:07	0°♏	
conjunction	-11068 Feb 04 j 13:23	26°♏11'49	-1°09'25
minimum elong	-11068 Feb 04 j 14:33	26°♏13'42	1°09'53
	-11068 Feb 10 j 09:43	0°♐	
max. Earth dist.	-11068 Feb 17 j 14:48	4°♐40'32	2.64047 AU
morning rise	-11068 Mar 24 j 11:51	27°♐43'07	
	-11068 Mar 28 j 01:40	0°♑	
	-11068 May 14 j 07:19	0°♒	
	-11068 Jun 30 j 19:48	0°♓	
asc. node	-11068 Jul 03 j 09:22	1°♓36'43	
	-11068 Aug 18 j 01:46	0°♈	
	-11068 Oct 08 j 05:25	0°♉	
	-11068 Dec 21 j 16:27	0°♊	
retrograde	-11067 Jan 02 j 20:55	0°♊54'27	
	-11067 Jan 14 j 21:02	30°℞♉	
opposition	-11067 Feb 03 j 02:05	25°♉31'06	6°41'23
greatest brilliancy	-11067 Feb 04 j 10:10	25°♉08'06	-2.7m
min. Earth dist.	-11067 Feb 08 j 09:58	23°♉59'48	0.40456 AU
direct	-11067 Mar 08 j 01:12	19°♉27'08	
	-11067 Apr 19 j 10:04	0°♊	
desc. node	-11067 May 25 j 14:47	19°♊23'01	
	-11067 Jun 11 j 15:03	0°♋	
	-11067 Jul 26 j 13:09	0°♌	
	-11067 Sep 08 j 05:13	0°♍	
	-11067 Oct 22 j 08:17	0°♎	
	-11067 Dec 06 j 13:03	0°♏	
	-11066 Jan 21 j 19:34	0°♐	
evening set	-11066 Jan 26 j 07:50	2°♐53'54	
	-11066 Mar 09 j 16:06	0°♑	
max. Earth dist.	-11066 Mar 13 j 13:05	2°♑28'38	2.66471 AU
conjunction	-11066 Mar 15 j 18:21	3°♑53'48	-0°37'37
minimum elong	-11066 Mar 15 j 19:41	3°♑55'55	0°38'13
	-11066 Apr 25 j 09:43	0°♒	
morning rise	-11066 May 01 j 15:26	4°♒02'03	
asc. node	-11066 May 21 j 01:27	16°♒39'15	
	-11066 Jun 10 j 09:49	0°♓	
	-11066 Jul 25 j 10:04	0°♈	
	-11066 Sep 07 j 14:07	0°♉	
	-11066 Oct 21 j 10:11	0°♊	
	-11066 Dec 05 j 04:22	0°♋	
	-11065 Jan 24 j 11:29	0°♌	
retrograde	-11065 Mar 19 j 18:55	16°♌23'02	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

desc. node	-11065 Apr 12 j 17:52	12°♌42'36	
min. Earth dist.	-11065 Apr 16 j 04:20	11°♌43'24	0.40817 AU
opposition	-11065 Apr 22 j 10:31	9°♌50'34	-0°43'25
greatest brilliancy	-11065 Apr 22 j 05:41	9°♌54'12	-2.8m
direct	-11065 May 23 j 08:13	4°♌15'06	
	-11065 Aug 07 j 02:55	0°♍	
	-11065 Sep 27 j 21:17	0°♎	
	-11065 Nov 15 j 12:36	0°♏	
	-11064 Jan 02 j 13:12	0°♐	
	-11064 Feb 19 j 04:49	0°♑	
evening set	-11064 Mar 05 j 20:19	9°♑56'47	
max. Earth dist.	-11064 Apr 06 j 08:32	0°♒12'57	2.63565 AU
asc. node	-11064 Apr 06 j 20:11	0°♒31'53	
	-11064 Apr 06 j 00:33	0°♒	
conjunction	-11064 Apr 22 j 21:26	11°♒00'54	0°09'43
minimum elong	-11064 Apr 22 j 21:04	11°♒00'17	0°09'13
behind sun begin	-11064 Apr 22 j 04:35	10°♒33'15	
behind sun end	-11064 Apr 23 j 13:32	11°♒27'19	
	-11064 May 21 j 11:14	0°♓	
morning rise	-11064 Jun 09 j 07:17	12°♓46'06	
	-11064 Jul 04 j 05:41	0°♈	
	-11064 Aug 15 j 09:39	0°♉	
	-11064 Sep 25 j 07:48	0°♊	
	-11064 Nov 04 j 15:00	0°♋	
	-11064 Dec 15 j 06:04	0°♌	
	-11063 Jan 26 j 21:59	0°♍	
desc. node	-11063 Feb 27 j 18:09	20°♍09'00	
	-11063 Mar 17 j 14:56	0°♎	
retrograde	-11063 May 11 j 20:58	16°♎36'31	
min. Earth dist.	-11063 Jun 11 j 18:08	10°♎10'03	0.52608 AU
greatest brilliancy	-11063 Jun 17 j 19:14	7°♎54'22	-2.0m
opposition	-11063 Jun 19 j 03:35	7°♎23'57	-5°14'47
	-11063 Jul 18 j 06:46	30°℞♍	
direct	-11063 Jul 23 j 23:46	29°♍46'50	
	-11063 Jul 29 j 19:54	0°♎	
	-11063 Oct 18 j 23:57	0°♏	
	-11063 Dec 11 j 05:27	0°♐	
	-11062 Jan 29 j 21:32	0°♑	
asc. node	-11062 Feb 22 j 19:02	14°♑54'55	
	-11062 Mar 18 j 10:45	0°♒	
evening set	-11062 Apr 15 j 09:07	18°♒16'09	
	-11062 May 02 j 21:21	0°♓	
max. Earth dist.	-11062 May 05 j 11:52	1°♓45'52	2.55602 AU
conjunction	-11062 Jun 04 j 12:32	22°♓29'23	0°56'05
minimum elong	-11062 Jun 04 j 10:40	22°♓26'07	0°55'57
	-11062 Jun 15 j 03:41	0°♈	
morning rise	-11062 Jul 26 j 01:54	29°♈43'29	
	-11062 Jul 26 j 10:49	0°♉	
	-11062 Sep 04 j 06:22	0°♊	
	-11062 Oct 13 j 07:03	0°♋	
	-11062 Nov 21 j 09:02	0°♌	
	-11062 Dec 31 j 12:05	0°♍	
desc. node	-11061 Jan 15 j 13:47	10°♍53'32	
	-11061 Feb 12 j 00:22	0°♎	
	-11061 Mar 31 j 14:20	0°♏	
retrograde	-11061 Jun 21 j 07:11	29°♏30'18	
min. Earth dist.	-11061 Jul 27 j 02:05	21°♏11'40	0.62404 AU
greatest brilliancy	-11061 Jul 30 j 10:53	19°♏50'47	-1.5m
opposition	-11061 Jul 31 j 02:45	19°♏34'54	-5°04'05
direct	-11061 Sep 07 j 01:49	10°♏38'09	
	-11061 Nov 12 j 19:56	0°♐	
	-11060 Jan 08 j 06:13	0°♑	
asc. node	-11060 Jan 10 j 22:34	1°♑33'07	
	-11060 Feb 26 j 21:21	0°♒	
	-11060 Apr 12 j 23:17	0°♓	
	-11060 May 26 j 05:18	0°♈	
evening set	-11060 May 30 j 21:20	3°♈20'38	
max. Earth dist.	-11060 Jun 17 j 14:07	16°♈12'15	2.43988 AU
	-11060 Jul 06 j 04:10	0°♉	
conjunction	-11060 Jul 25 j 13:29	14°♉40'32	1°11'31
minimum elong	-11060 Jul 25 j 14:33	14°♉42'33	1°11'54
	-11060 Aug 14 j 11:45	0°♊	
	-11060 Sep 21 j 23:30	0°♋	
morning rise	-11060 Sep 24 j 06:40	1°♋47'51	
	-11060 Oct 30 j 12:27	0°♌	
desc. node	-11060 Dec 02 j 06:36	24°♌58'28	
	-11060 Dec 08 j 23:42	0°♍	
	-11059 Jan 19 j 06:22	0°♎	
	-11059 Mar 04 j 07:56	0°♏	
	-11059 Apr 22 j 00:53	0°♐	
	-11059 Jun 25 j 04:27	0°♑	
retrograde	-11059 Jul 25 j 22:08	5°♑13'44	
	-11059 Aug 23 j 00:50	30°℞♐	
opposition	-11059 Sep 03 j 15:56	25°♐30'40	-3°09'36
min. Earth dist.	-11059 Sep 03 j 09:42	25°♐36'58	0.66467 AU
greatest brilliancy	-11059 Sep 03 j 15:56	25°♐30'41	-1.4m
direct	-11059 Oct 13 j 15:31	15°♐48'52	
asc. node	-11059 Nov 28 j 03:52	25°♐59'03	
	-11059 Dec 07 j 21:58	0°♑	
	-11058 Feb 03 j 13:33	0°♒	
	-11058 Mar 23 j 18:13	0°♓	
	-11058 May 06 j 15:42	0°♈	
	-11058 Jun 16 j 17:06	0°♉	
	-11058 Jul 25 j 22:19	0°♊	
evening set	-11058 Jul 27 j 21:03	1°♊30'49	
	-11058 Sep 02 j 06:30	0°♋	
conjunction	-11058 Sep 28 j 08:59	20°♋26'21	0°16'32
minimum elong	-11058 Sep 28 j 10:32	20°♋29'24	0°17'06
	-11058 Oct 10 j 16:15	0°♌	
desc. node	-11058 Oct 20 j 02:01	7°♌15'46	
max. Earth dist.	-11058 Nov 04 j 19:53	19°♌18'00	2.40028 AU
	-11058 Nov 19 j 00:24	0°♍	
morning rise	-11058 Dec 01 j 20:09	9°♍32'03	
	-11058 Dec 30 j 00:45	0°♎	
	-11057 Feb 11 j 06:59	0°♏	
	-11057 Mar 29 j 07:24	0°♐	
	-11057 May 18 j 06:13	0°♑	
	-11057 Jul 18 j 05:29	0°♒	
retrograde	-11057 Aug 30 j 22:51	9°♒33'28	
opposition	-11057 Oct 08 j 13:33	0°♒29'47	-0°19'15
greatest brilliancy	-11057 Oct 08 j 14:45	0°♒28'35	-1.5m
	-11057 Oct 09 j 19:37	30°℞♑	
min. Earth dist.	-11057 Oct 12 j 00:09	29°♑08'01	0.64354 AU
asc. node	-11057 Oct 16 j 08:13	27°♑27'05	
direct	-11057 Nov 18 j 08:55	20°♑30'49	
	-11057 Dec 31 j 07:03	0°♒	
	-11056 Feb 27 j 20:57	0°♓	
	-11056 Apr 14 j 04:58	0°♈	
	-11056 May 26 j 03:00	0°♉	
	-11056 Jul 04 j 17:13	0°♊	
	-11056 Aug 12 j 07:05	0°♋	
desc. node	-11056 Sep 05 j 23:39	19°♋13'39	
	-11056 Sep 19 j 22:08	0°♌	
evening set	-11056 Sep 30 j 12:38	8°♌08'13	
	-11056 Oct 29 j 11:41	0°♍	
conjunction	-11056 Nov 29 j 09:11	22°♍37'58	-0°55'07
minimum elong	-11056 Nov 29 j 06:29	22°♍33'06	0°54'58
	-11056 Dec 09 j 16:12	0°♎	
max. Earth dist.	-11055 Jan 05 j 22:01	19°♎05'06	2.52111 AU

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11055 Jan 21 j 21:15	0°♏	
morning rise	-11055 Jan 25 j 06:00	2°♏16'33	
	-11055 Mar 08 j 05:17	0°♐	
	-11055 Apr 24 j 16:00	0°♑	
	-11055 Jun 13 j 18:42	0°♒	
	-11055 Aug 09 j 13:21	0°♓	
asc. node	-11055 Sep 02 j 08:18	9°♓45'22	
retrograde	-11055 Oct 10 j 17:52	17°♓19'53	
opposition	-11055 Nov 16 j 02:18	9°♓23'23	3°16'22
greatest brilliancy	-11055 Nov 16 j 19:27	9°♓07'20	-1.8m
min. Earth dist.	-11055 Nov 22 j 21:44	6°♓50'42	0.56367 AU
	-11055 Dec 21 j 17:28	30°♒℞	
direct	-11055 Dec 25 j 23:33	29°♒52'38	
	-11055 Dec 30 j 07:05	0°♓	
	-11054 Mar 17 j 10:31	0°♈	
	-11054 May 02 j 06:02	0°♉	
	-11054 Jun 12 j 10:29	0°♊	
	-11054 Jul 21 j 23:27	0°♋	
desc. node	-11054 Jul 25 j 01:00	2°♋20'27	
	-11054 Aug 30 j 08:57	0°♌	
	-11054 Oct 09 j 14:49	0°♍	
	-11054 Nov 20 j 09:16	0°♎	
evening set	-11054 Nov 26 j 10:22	4°♎14'11	
	-11053 Jan 02 j 23:53	0°♏	
conjunction	-11053 Jan 18 j 14:06	10°♏25'58	-1°14'11
minimum elong	-11053 Jan 18 j 14:26	10°♏26'31	1°14'33
max. Earth dist.	-11053 Feb 07 j 02:46	23°♏18'52	2.61646 AU
	-11053 Feb 17 j 08:41	0°♐	
morning rise	-11053 Mar 10 j 02:27	13°♐24'22	
	-11053 Apr 05 j 02:05	0°♑	
	-11053 May 22 j 18:03	0°♒	
	-11053 Jul 10 j 09:48	0°♓	
asc. node	-11053 Jul 21 j 03:42	6°♓29'08	
	-11053 Aug 30 j 13:53	0°♈	
	-11053 Nov 02 j 08:17	0°♉	
retrograde	-11053 Dec 06 j 06:54	6°♉11'11	
opposition	-11052 Jan 07 j 22:57	0°♉04'07	6°40'08
	-11052 Jan 08 j 04:10	30°♓℞	
greatest brilliancy	-11052 Jan 09 j 16:16	29°♈31'24	-2.4m
min. Earth dist.	-11052 Jan 15 j 16:27	27°♈38'01	0.44481 AU
direct	-11052 Feb 12 j 15:47	22°♈43'06	
	-11052 Mar 18 j 01:19	0°♉	
	-11052 May 12 j 07:18	0°♊	
desc. node	-11052 Jun 11 j 05:52	20°♊10'14	
	-11052 Jun 25 j 06:02	0°♋	
	-11052 Aug 06 j 04:44	0°♌	
	-11052 Sep 17 j 06:10	0°♍	
	-11052 Oct 30 j 08:56	0°♎	
	-11052 Dec 13 j 22:16	0°♏	
evening set	-11051 Jan 10 j 07:13	17°♏58'54	
	-11051 Jan 28 j 19:42	0°♐	
conjunction	-11051 Feb 28 j 12:17	19°♐44'27	-0°52'35
minimum elong	-11051 Feb 28 j 13:51	19°♐46'58	0°53'10
max. Earth dist.	-11051 Mar 04 j 03:01	22°♐03'21	2.66160 AU
	-11051 Mar 16 j 12:51	0°♑	
morning rise	-11051 Apr 16 j 21:17	20°♑03'38	
	-11051 May 02 j 09:14	0°♒	
asc. node	-11051 Jun 06 j 20:28	22°♒52'55	
	-11051 Jun 17 j 19:39	0°♓	
	-11051 Aug 02 j 17:06	0°♈	
	-11051 Sep 17 j 10:51	0°♉	
	-11051 Nov 03 j 04:25	0°♊	
	-11051 Dec 25 j 06:20	0°♋	
retrograde	-11050 Feb 20 j 05:46	16°♋54'52	
min. Earth dist.	-11050 Mar 21 j 12:19	12°♋03'24	0.38485 AU
opposition	-11050 Mar 23 j 14:29	11°♋29'13	2°52'12
greatest brilliancy	-11050 Mar 23 j 12:48	11°♋30'22	-2.9m
direct	-11050 Apr 22 j 23:37	6°♋22'33	
desc. node	-11050 Apr 29 j 10:53	6°♋38'48	
	-11050 Jul 02 j 05:59	0°♌	
	-11050 Aug 21 j 19:42	0°♍	
	-11050 Oct 07 j 23:00	0°♎	
	-11050 Nov 23 j 18:28	0°♏	
	-11049 Jan 09 j 22:02	0°♐	
evening set	-11049 Feb 19 j 14:27	25°♐49'06	
	-11049 Feb 26 j 04:09	0°♑	
max. Earth dist.	-11049 Mar 28 j 10:16	19°♑21'17	2.65341 AU
conjunction	-11049 Apr 08 j 12:33	26°♑30'36	-0°09'37
minimum elong	-11049 Apr 08 j 12:57	26°♑31'15	0°10'11
behind sun begin	-11049 Apr 07 j 21:37	26°♑06'29	
behind sun end	-11049 Apr 09 j 04:16	26°♑56'01	
	-11049 Apr 13 j 21:52	0°♒	
asc. node	-11049 Apr 24 j 14:07	6°♒56'50	
morning rise	-11049 May 25 j 09:07	27°♒14'38	
	-11049 May 29 j 12:16	0°♓	
	-11049 Jul 12 j 15:49	0°♈	
	-11049 Aug 24 j 09:43	0°♉	
	-11049 Oct 05 j 02:28	0°♊	
	-11049 Nov 15 j 09:28	0°♋	
	-11049 Dec 27 j 12:10	0°♌	
	-11048 Feb 11 j 13:53	0°♍	
desc. node	-11048 Mar 16 j 11:26	17°♍24'40	
retrograde	-11048 Apr 23 j 04:27	26°♍05'23	
min. Earth dist.	-11048 May 22 j 00:51	20°♍29'20	0.47754 AU
greatest brilliancy	-11048 May 28 j 19:26	18°♍06'48	-2.3m
opposition	-11048 May 30 j 02:07	17°♍39'42	-4°19'15
direct	-11048 Jul 02 j 11:03	10°♍46'48	
	-11048 Sep 04 j 21:00	0°♎	
	-11048 Oct 30 j 06:25	0°♏	
	-11048 Dec 19 j 15:26	0°♐	
	-11047 Feb 06 j 07:15	0°♑	
asc. node	-11047 Mar 11 j 11:13	20°♑58'30	
	-11047 Mar 25 j 11:48	0°♒	
evening set	-11047 Mar 30 j 04:35	3°♒02'53	
max. Earth dist.	-11047 Apr 23 j 07:53	18°♒54'12	2.59313 AU
	-11047 May 09 j 21:31	0°♓	
conjunction	-11047 May 18 j 03:28	5°♓35'34	0°39'32
minimum elong	-11047 May 18 j 01:57	5°♓32'58	0°39'13
	-11047 Jun 22 j 07:47	0°♈	
morning rise	-11047 Jul 06 j 12:00	10°♈05'26	
	-11047 Aug 02 j 21:39	0°♉	
	-11047 Sep 12 j 01:30	0°♊	
	-11047 Oct 21 j 10:52	0°♋	
	-11047 Nov 29 j 22:13	0°♌	
	-11046 Jan 09 j 14:26	0°♍	
desc. node	-11046 Feb 01 j 09:42	16°♍01'52	
	-11046 Feb 22 j 07:35	0°♎	
	-11046 Apr 15 j 16:03	0°♏	
retrograde	-11046 Jun 06 j 12:41	14°♏18'00	
min. Earth dist.	-11046 Jul 10 j 12:56	6°♏39'00	0.59185 AU
greatest brilliancy	-11046 Jul 15 j 00:38	4°♏52'49	-1.7m
opposition	-11046 Jul 16 j 00:16	4°♏29'29	-5°26'06
	-11046 Jul 28 j 08:21	30°♐℞	
direct	-11046 Aug 21 j 21:10	25°♎58'52	
	-11046 Sep 17 j 18:10	0°♏	
	-11046 Nov 25 j 05:31	0°♐	
	-11045 Jan 16 j 20:18	0°♑	
asc. node	-11045 Jan 27 j 12:17	6°♑25'14	
	-11045 Mar 06 j 10:18	0°♒	
	-11045 Apr 21 j 04:27	0°♓	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

evening set	-11045 May 12 j 17:15	14°♓44'17	
max. Earth dist.	-11045 May 29 j 00:09	26°♓09'25	2.48784 AU
	-11045 Jun 03 j 09:53	0°♈	
conjunction	-11045 Jul 04 j 17:04	22°♈44'36	1°12'09
minimum elong	-11045 Jul 04 j 16:14	22°♈43'04	1°12'21
	-11045 Jul 14 j 11:21	0°♉	
	-11045 Aug 22 j 22:55	0°♊	
morning rise	-11045 Aug 30 j 08:27	5°♊42'42	
	-11045 Sep 30 j 14:38	0°♋	
	-11045 Nov 08 j 07:09	0°♌	
	-11045 Dec 17 j 22:08	0°♍	
desc. node	-11045 Dec 20 j 04:39	1°♍41'04	
	-11044 Jan 28 j 11:09	0°♎	
	-11044 Mar 13 j 06:23	0°♏	
	-11044 May 03 j 18:22	0°♐	
retrograde	-11044 Jul 12 j 07:10	21°♐57'07	
min. Earth dist.	-11044 Aug 19 j 11:25	12°♐47'26	0.65597 AU
opposition	-11044 Aug 21 j 05:15	12°♐05'14	-4°01'47
greatest brilliancy	-11044 Aug 21 j 00:13	12°♐10'18	-1.4m
direct	-11044 Sep 29 j 13:15	2°♐37'49	
asc. node	-11044 Dec 14 j 17:13	26°♐30'50	
	-11044 Dec 21 j 13:54	0°♑	
	-11043 Feb 12 j 12:35	0°♒	
	-11043 Mar 31 j 14:55	0°♓	
	-11043 May 14 j 04:22	0°♈	
	-11043 Jun 24 j 03:46	0°♉	
evening set	-11043 Jul 03 j 18:07	7°♉14'32	
	-11043 Aug 02 j 09:13	0°♊	
max. Earth dist.	-11043 Aug 24 j 02:47	16°♊57'24	2.38357 AU
conjunction	-11043 Sep 02 j 01:36	23°♊58'20	0°46'12
minimum elong	-11043 Sep 02 j 04:52	24°♊04'45	0°46'45
	-11043 Sep 09 j 17:59	0°♋	
	-11043 Oct 18 j 04:04	0°♌	
morning rise	-11043 Nov 05 j 22:13	14°♌25'44	
desc. node	-11043 Nov 05 j 21:31	14°♌24'24	
	-11043 Nov 26 j 12:19	0°♍	
	-11042 Jan 06 j 13:14	0°♎	
	-11042 Feb 18 j 23:21	0°♏	
	-11042 Apr 06 j 14:27	0°♐	
	-11042 May 28 j 20:53	0°♑	
retrograde	-11042 Aug 16 j 14:32	26°♑15'34	
opposition	-11042 Sep 24 j 18:46	16°♑53'30	-1°31'00
greatest brilliancy	-11042 Sep 24 j 21:52	16°♑50'24	-1.4m
min. Earth dist.	-11042 Sep 26 j 18:45	16°♑05'31	0.65909 AU
asc. node	-11042 Nov 01 j 22:34	6°♑59'54	
direct	-11042 Nov 04 j 10:13	6°♑57'31	
	-11041 Jan 16 j 16:13	0°♒	
	-11041 Mar 09 j 16:31	0°♓	
	-11041 Apr 23 j 16:53	0°♈	
	-11041 Jun 04 j 03:51	0°♉	
	-11041 Jul 13 j 12:58	0°♊	
	-11041 Aug 20 j 23:15	0°♋	
evening set	-11041 Sep 06 j 04:44	12°♋41'49	
desc. node	-11041 Sep 23 j 17:22	26°♋20'19	
	-11041 Sep 28 j 10:55	0°♌	
	-11041 Nov 06 j 21:09	0°♍	
conjunction	-11041 Nov 07 j 07:52	0°♍20'01	-0°32'21
minimum elong	-11041 Nov 07 j 05:27	0°♍15'30	0°31'59
	-11041 Dec 17 j 22:40	0°♎	
max. Earth dist.	-11041 Dec 20 j 14:30	1°♎53'39	2.47359 AU
morning rise	-11040 Jan 06 j 11:22	13°♎46'01	
	-11040 Jan 30 j 02:29	0°♏	
	-11040 Mar 15 j 13:43	0°♐	
	-11040 May 02 j 15:16	0°♑	
	-11040 Jun 23 j 20:21	0°♒	
	-11040 Sep 04 j 12:40	0°♓	
asc. node	-11040 Sep 19 j 00:43	1°♓54'58	
retrograde	-11040 Sep 23 j 09:02	2°♓01'59	
	-11040 Oct 11 j 00:14	30°℞♒	
opposition	-11040 Oct 30 j 18:22	23°♒34'58	1°48'05
greatest brilliancy	-11040 Oct 31 j 02:01	23°♒27'37	-1.6m
min. Earth dist.	-11040 Nov 05 j 08:00	21°♒26'18	0.60142 AU
direct	-11040 Dec 10 j 06:47	13°♒45'14	
	-11039 Feb 05 j 12:17	0°♓	
	-11039 Mar 29 j 12:29	0°♈	
	-11039 May 12 j 00:54	0°♉	
	-11039 Jun 21 j 08:24	0°♊	
	-11039 Jul 30 j 08:58	0°♋	
desc. node	-11039 Aug 10 j 17:52	8°♋46'55	
	-11039 Sep 07 j 08:39	0°♌	
	-11039 Oct 17 j 05:58	0°♍	
evening set	-11039 Nov 05 j 20:25	14°♍20'53	
	-11039 Nov 27 j 16:58	0°♎	
conjunction	-11039 Dec 31 j 09:23	23°♎24'37	-1°12'53
minimum elong	-11039 Dec 31 j 08:28	23°♎23'04	1°13'05
	-11038 Jan 10 j 02:10	0°♏	
max. Earth dist.	-11038 Jan 26 j 21:52	11°♏17'09	2.58465 AU
morning rise	-11038 Feb 21 j 23:00	28°♏25'58	
	-11038 Feb 24 j 08:48	0°♐	
	-11038 Apr 12 j 06:10	0°♑	
	-11038 May 30 j 13:36	0°♒	
	-11038 Jul 20 j 00:09	0°♓	
asc. node	-11038 Aug 06 j 22:12	10°♓03'48	
	-11038 Sep 15 j 10:13	0°♈	
retrograde	-11038 Nov 11 j 15:02	15°♈15'30	
opposition	-11038 Dec 15 j 23:01	8°♈20'36	5°35'06
greatest brilliancy	-11038 Dec 17 j 10:00	7°♈50'25	-2.1m
min. Earth dist.	-11038 Dec 24 j 01:10	5°♈34'01	0.49256 AU
	-11037 Jan 18 j 16:35	30°℞♓	
direct	-11037 Jan 22 j 19:28	29°♓52'59	
	-11037 Jan 26 j 23:20	0°♈	
	-11037 Apr 11 j 21:36	0°♉	
	-11037 May 26 j 18:54	0°♊	
desc. node	-11037 Jun 28 j 21:12	23°♊58'50	
	-11037 Jul 07 j 01:02	0°♋	
	-11037 Aug 16 j 13:31	0°♌	
	-11037 Sep 26 j 16:02	0°♍	
	-11037 Nov 08 j 02:18	0°♎	
	-11037 Dec 22 j 04:12	0°♏	
evening set	-11037 Dec 25 j 10:32	2°♏10'42	
	-11036 Feb 05 j 18:45	0°♐	
conjunction	-11036 Feb 13 j 20:01	5°♐12'52	-1°04'24
minimum elong	-11036 Feb 13 j 21:27	5°♐15'11	1°04'55
max. Earth dist.	-11036 Feb 23 j 10:00	11°♐23'50	2.65029 AU
	-11036 Mar 23 j 10:21	0°♑	
morning rise	-11036 Apr 02 j 02:14	6°♑10'06	
	-11036 May 09 j 11:52	0°♒	
asc. node	-11036 Jun 23 j 15:33	28°♒46'59	
	-11036 Jun 25 j 13:21	0°♓	
	-11036 Aug 11 j 18:26	0°♈	
	-11036 Sep 29 j 05:35	0°♉	
	-11036 Nov 22 j 09:02	0°♊	
retrograde	-11035 Jan 20 j 06:14	16°♊59'18	
opposition	-11035 Feb 20 j 01:24	11°♊50'05	5°52'10
greatest brilliancy	-11035 Feb 20 j 20:46	11°♊36'54	-2.8m
min. Earth dist.	-11035 Feb 23 j 02:19	11°♊00'34	0.38973 AU
direct	-11035 Mar 23 j 12:37	6°♊21'34	
desc. node	-11035 May 16 j 02:17	21°♊56'18	
	-11035 May 31 j 05:39	0°♋	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11035 Jul 18 j 20:31	0°♌	
	-11035 Sep 01 j 23:59	0°♍	
	-11035 Oct 16 j 21:47	0°♎	
	-11035 Dec 01 j 13:33	0°♏	
	-11034 Jan 17 j 02:08	0°♐	
evening set	-11034 Feb 04 j 07:07	11°♐38'23	
	-11034 Mar 05 j 01:28	0°♑	
max. Earth dist.	-11034 Mar 19 j 01:10	8°♑56'36	2.66303 AU
conjunction	-11034 Mar 24 j 10:41	12°♑23'58	-0°27'50
minimum elong	-11034 Mar 24 j 11:44	12°♑25'40	0°28'25
	-11034 Apr 20 j 18:50	0°♒	
morning rise	-11034 May 10 j 04:37	12°♒36'50	
asc. node	-11034 May 11 j 07:53	13°♒21'22	
	-11034 Jun 05 j 15:06	0°♓	
	-11034 Jul 20 j 07:19	0°♈	
	-11034 Sep 01 j 21:15	0°♉	
	-11034 Oct 14 j 18:48	0°♊	
	-11034 Nov 26 j 20:07	0°♋	
	-11033 Jan 11 j 07:49	0°♌	
	-11033 Mar 16 j 08:00	0°♍	
retrograde	-11033 Apr 02 j 14:51	2°♍00'36	
desc. node	-11033 Apr 03 j 06:25	2°♍00'26	
	-11033 Apr 19 j 15:14	30°℞♌	
min. Earth dist.	-11033 Apr 30 j 00:20	27°♌08'19	0.42983 AU
opposition	-11033 May 07 j 12:23	24°♌44'56	-2°22'29
greatest brilliancy	-11033 May 06 j 18:58	24°♌58'52	-2.6m
direct	-11033 Jun 08 j 05:49	18°♌43'07	
	-11033 Jul 24 j 14:12	0°♍	
	-11033 Sep 20 j 13:52	0°♎	
	-11033 Nov 09 j 19:36	0°♏	
	-11033 Dec 28 j 12:12	0°♐	
	-11032 Feb 14 j 11:22	0°♑	
evening set	-11032 Mar 14 j 15:50	18°♑33'10	
asc. node	-11032 Mar 28 j 02:48	27°♑12'46	
	-11032 Apr 01 j 10:08	0°♒	
max. Earth dist.	-11032 Apr 12 j 07:58	7°♒06'16	2.62262 AU
conjunction	-11032 May 01 j 21:51	20°♒00'16	0°20'53
minimum elong	-11032 May 01 j 21:01	19°♒58'53	0°20'26
	-11032 May 16 j 20:30	0°♓	
morning rise	-11032 Jun 18 j 19:50	22°♓32'45	
	-11032 Jun 29 j 12:07	0°♈	
	-11032 Aug 10 j 10:43	0°♉	
	-11032 Sep 20 j 01:43	0°♊	
	-11032 Oct 29 j 23:47	0°♋	
	-11032 Dec 09 j 02:18	0°♌	
	-11031 Jan 19 j 18:40	0°♍	
desc. node	-11031 Feb 18 j 05:05	19°♍39'01	
	-11031 Mar 07 j 02:28	0°♎	
retrograde	-11031 May 21 j 14:59	27°♎29'28	
min. Earth dist.	-11031 Jun 22 j 15:54	20°♎35'51	0.55122 AU
greatest brilliancy	-11031 Jun 28 j 04:21	18°♎28'54	-1.9m
opposition	-11031 Jun 29 j 10:37	17°♎59'49	-5°27'32
direct	-11031 Aug 04 j 00:48	10°♎01'51	
	-11031 Oct 10 j 04:29	0°♏	
	-11031 Dec 05 j 07:06	0°♐	
	-11030 Jan 24 j 19:37	0°♑	
asc. node	-11030 Feb 13 j 02:31	11°♑54'22	
	-11030 Mar 13 j 16:59	0°♒	
evening set	-11030 Apr 25 j 00:21	27°♒48'16	
	-11030 Apr 28 j 06:29	0°♓	
max. Earth dist.	-11030 May 13 j 06:02	10°♓12'41	2.53324 AU
	-11030 Jun 10 j 13:01	0°♈	
conjunction	-11030 Jun 14 j 23:52	3°♈10'31	1°03'44
minimum elong	-11030 Jun 14 j 22:07	3°♈07'23	1°03'42
	-11030 Jul 21 j 18:19	0°♉	
morning rise	-11030 Aug 07 j 02:38	12°♉14'31	
	-11030 Aug 30 j 10:57	0°♊	
	-11030 Oct 08 j 07:57	0°♋	
	-11030 Nov 16 j 05:33	0°♌	
	-11030 Dec 26 j 02:44	0°♍	
desc. node	-11029 Jan 05 j 23:53	7°♍57'33	
	-11029 Feb 06 j 03:17	0°♎	
	-11029 Mar 24 j 06:58	0°♏	
	-11029 May 21 j 22:31	0°♐	
retrograde	-11029 Jun 29 j 11:13	8°♐10'49	
	-11029 Aug 04 j 00:37	30°℞♏	
min. Earth dist.	-11029 Aug 05 j 03:51	29°♏32'47	0.63799 AU
opposition	-11029 Aug 08 j 09:18	28°♏14'56	-4°44'38
greatest brilliancy	-11029 Aug 07 j 21:36	28°♏26'41	-1.5m
direct	-11029 Sep 15 j 21:33	19°♏06'04	
	-11029 Nov 02 j 06:39	0°♐	
asc. node	-11028 Jan 01 j 06:29	29°♐30'35	
	-11028 Jan 02 j 03:30	0°♑	
	-11028 Feb 21 j 17:36	0°♒	
	-11028 Apr 08 j 03:36	0°♓	
	-11028 May 21 j 12:43	0°♈	
evening set	-11028 Jun 11 j 14:37	15°♈14'33	
	-11028 Jul 01 j 12:12	0°♉	
max. Earth dist.	-11028 Jul 03 j 16:05	1°♉37'21	2.41513 AU
conjunction	-11028 Aug 07 j 21:52	28°♉31'57	1°05'57
minimum elong	-11028 Aug 08 j 00:08	28°♉36'20	1°06'26
	-11028 Aug 09 j 19:22	0°♊	
	-11028 Sep 17 j 05:59	0°♋	
morning rise	-11028 Oct 09 j 14:28	17°♋28'37	
	-11028 Oct 25 j 17:20	0°♌	
desc. node	-11028 Nov 22 j 17:38	21°♌26'49	
	-11028 Dec 04 j 02:35	0°♍	
	-11027 Jan 14 j 05:35	0°♎	
	-11027 Feb 26 j 22:53	0°♏	
	-11027 Apr 15 j 14:47	0°♐	
	-11027 Jun 11 j 17:04	0°♑	
retrograde	-11027 Aug 02 j 18:30	13°♑11'08	
opposition	-11027 Sep 11 j 08:52	3°♑34'25	-2°35'32
greatest brilliancy	-11027 Sep 11 j 10:41	3°♑32'35	-1.4m
min. Earth dist.	-11027 Sep 11 j 21:50	3°♑21'22	0.66525 AU
	-11027 Sep 20 j 11:48	30°℞♐	
direct	-11027 Oct 21 j 15:45	23°♐46'24	
asc. node	-11027 Nov 18 j 12:28	28°♐00'35	
	-11027 Nov 25 j 01:45	0°♑	
	-11026 Jan 28 j 04:28	0°♒	
	-11026 Mar 18 j 10:19	0°♓	
	-11026 May 01 j 16:28	0°♈	
	-11026 Jun 11 j 21:07	0°♉	
	-11026 Jul 21 j 03:49	0°♊	
evening set	-11026 Aug 11 j 07:27	16°♊30'01	
	-11026 Aug 28 j 12:39	0°♋	
	-11026 Oct 05 j 22:40	0°♌	
desc. node	-11026 Oct 10 j 11:48	3°♌30'56	
conjunction	-11026 Oct 13 j 05:20	5°♌37'14	-0°02'07
minimum elong	-11026 Oct 13 j 05:08	5°♌36'51	0°01'34
behind sun begin	-11026 Oct 12 j 02:17	4°♌45'08	
behind sun end	-11026 Oct 14 j 07:59	6°♌28'32	
	-11026 Nov 14 j 06:57	0°♍	
max. Earth dist.	-11026 Nov 26 j 00:44	8°♍44'18	2.42468 AU
morning rise	-11026 Dec 15 j 10:29	22°♍55'37	
	-11026 Dec 25 j 06:42	0°♎	
	-11025 Feb 06 j 10:37	0°♏	
	-11025 Mar 24 j 03:59	0°♐	
	-11025 May 12 j 05:00	0°♑	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11025 Jul 07 j 09:20	0°♒	
retrograde	-11025 Sep 08 j 12:22	17°♒47'40	
asc. node	-11025 Oct 06 j 16:25	12°♒41'29	
opposition	-11025 Oct 16 j 18:05	8°♒55'34	0°25'25
greatest brilliancy	-11025 Oct 16 j 19:27	8°♒54'13	-1.5m
min. Earth dist.	-11025 Oct 20 j 23:10	7°♒16'18	0.63107 AU
	-11025 Nov 14 j 01:43	30°℞♉	
direct	-11025 Nov 26 j 13:08	28°♉57'35	
	-11025 Dec 09 j 15:22	0°♒	
	-11024 Feb 20 j 19:18	0°♓	
	-11024 Apr 08 j 12:07	0°♈	
	-11024 May 20 j 20:57	0°♉	
	-11024 Jun 29 j 16:13	0°♊	
	-11024 Aug 07 j 08:59	0°♋	
desc. node	-11024 Aug 27 j 09:54	15°♋34'37	
	-11024 Sep 15 j 02:06	0°♌	
evening set	-11024 Oct 14 j 06:56	22°♌12'02	
	-11024 Oct 24 j 17:28	0°♍	
	-11024 Dec 04 j 23:16	0°♎	
conjunction	-11024 Dec 11 j 14:13	4°♎41'29	-1°04'05
minimum elong	-11024 Dec 11 j 12:01	4°♎37'36	1°04'04
max. Earth dist.	-11023 Jan 14 j 07:30	28°♎02'31	2.54574 AU
	-11023 Jan 17 j 04:45	0°♏	
morning rise	-11023 Feb 04 j 18:13	12°♏27'45	
	-11023 Mar 03 j 11:04	0°♐	
	-11023 Apr 19 j 15:15	0°♑	
	-11023 Jun 07 j 21:53	0°♒	
	-11023 Jul 31 j 10:53	0°♓	
asc. node	-11023 Aug 23 j 15:18	11°♓15'34	
retrograde	-11023 Oct 21 j 11:57	27°♓07'55	
opposition	-11023 Nov 26 j 05:20	19°♓30'56	4°07'53
greatest brilliancy	-11023 Nov 27 j 04:51	19°♓09'25	-1.9m
min. Earth dist.	-11023 Dec 03 j 14:57	16°♓48'59	0.54003 AU
direct	-11022 Jan 04 j 13:32	10°♓17'07	
	-11022 Mar 07 j 20:35	0°♈	
	-11022 Apr 25 j 11:38	0°♉	
	-11022 Jun 06 j 12:55	0°♊	
desc. node	-11022 Jul 15 j 13:48	29°♊16'56	
	-11022 Jul 16 j 12:32	0°♋	
	-11022 Aug 25 j 04:55	0°♌	
	-11022 Oct 04 j 16:03	0°♍	
	-11022 Nov 15 j 14:21	0°♎	
evening set	-11022 Dec 07 j 10:07	15°♎07'51	
	-11022 Dec 29 j 07:35	0°♏	
conjunction	-11021 Jan 28 j 11:16	20°♏01'50	-1°12'02
minimum elong	-11021 Jan 28 j 12:08	20°♏03'15	1°12'29
	-11021 Feb 12 j 17:22	0°♐	
max. Earth dist.	-11021 Feb 13 j 07:56	0°♐23'42	2.63080 AU
morning rise	-11021 Mar 19 j 01:05	22°♐07'25	
	-11021 Mar 31 j 09:18	0°♑	
	-11021 May 17 j 18:45	0°♒	
	-11021 Jul 04 j 17:42	0°♓	
asc. node	-11021 Jul 11 j 09:46	4°♓07'47	
	-11021 Aug 23 j 00:44	0°♈	
	-11021 Oct 16 j 09:51	0°♉	
retrograde	-11021 Dec 21 j 23:12	20°♉02'45	
opposition	-11020 Jan 22 j 17:45	14°♉21'30	6°51'52
greatest brilliancy	-11020 Jan 24 j 08:24	13°♉52'28	-2.6m
min. Earth dist.	-11020 Jan 29 j 09:59	12°♉21'46	0.42094 AU
direct	-11020 Feb 25 j 23:01	7°♉43'13	
	-11020 May 01 j 02:13	0°♊	
desc. node	-11020 Jun 01 j 18:58	19°♊31'04	
	-11020 Jun 17 j 12:44	0°♋	
	-11020 Jul 30 j 20:04	0°♌	
	-11020 Sep 11 j 15:48	0°♍	
	-11020 Oct 25 j 05:57	0°♎	
	-11020 Dec 09 j 02:22	0°♏	
evening set	-11019 Jan 19 j 14:24	27°♏03'33	
	-11019 Jan 24 j 03:45	0°♐	
conjunction	-11019 Mar 09 j 08:03	28°♐20'15	-0°44'13
minimum elong	-11019 Mar 09 j 09:31	28°♐22'36	0°44'48
max. Earth dist.	-11019 Mar 09 j 17:56	28°♐36'03	2.66439 AU
	-11019 Mar 11 j 22:25	0°♑	
morning rise	-11019 Apr 25 j 09:00	28°♑29'31	
	-11019 Apr 27 j 17:13	0°♒	
asc. node	-11019 May 28 j 01:56	19°♒39'31	
	-11019 Jun 12 j 22:00	0°♓	
	-11019 Jul 28 j 07:25	0°♈	
	-11019 Sep 11 j 02:20	0°♉	
	-11019 Oct 25 j 23:26	0°♊	
	-11019 Dec 11 j 19:22	0°♋	
	-11018 Feb 10 j 12:35	0°♌	
retrograde	-11018 Mar 08 j 06:45	4°♌12'36	
	-11018 Apr 03 j 15:41	30°℞♋	
min. Earth dist.	-11018 Apr 05 j 03:38	29°♋34'46	0.39450 AU
opposition	-11018 Apr 09 j 20:17	28°♋14'11	0°46'55
greatest brilliancy	-11018 Apr 09 j 17:54	28°♋15'54	-2.9m
desc. node	-11018 Apr 19 j 22:34	25°♋32'15	
direct	-11018 May 10 j 07:44	22°♋56'13	
	-11018 Jun 14 j 12:40	0°♌	
	-11018 Aug 13 j 10:52	0°♍	
	-11018 Oct 01 j 17:37	0°♎	
	-11018 Nov 18 j 10:50	0°♏	
	-11017 Jan 05 j 00:59	0°♐	
	-11017 Feb 21 j 12:15	0°♑	
evening set	-11017 Feb 28 j 08:56	4°♑21'48	
max. Earth dist.	-11017 Apr 03 j 04:56	26°♑02'58	2.64461 AU
	-11017 Apr 09 j 07:24	0°♒	
asc. node	-11017 Apr 14 j 20:06	3°♒35'30	
conjunction	-11017 Apr 17 j 07:38	5°♒12'25	0°01'31
minimum elong	-11017 Apr 17 j 07:33	5°♒12'18	0°01'00
behind sun begin	-11017 Apr 16 j 11:55	4°♒40'20	
behind sun end	-11017 Apr 18 j 03:11	5°♒44'17	
	-11017 May 24 j 20:24	0°♓	
morning rise	-11017 Jun 03 j 09:47	6°♓25'41	
	-11017 Jul 07 j 19:41	0°♈	
	-11017 Aug 19 j 06:14	0°♉	
	-11017 Sep 29 j 12:33	0°♊	
	-11017 Nov 09 j 05:11	0°♋	
	-11017 Dec 20 j 08:32	0°♌	
	-11016 Feb 02 j 00:52	0°♍	
desc. node	-11016 Mar 06 j 23:32	20°♍13'26	
	-11016 Mar 27 j 14:05	0°♎	
retrograde	-11016 May 04 j 03:08	8°♎32'10	
min. Earth dist.	-11016 Jun 03 j 02:14	2°♎28'10	0.50453 AU
greatest brilliancy	-11016 Jun 09 j 11:52	0°♎07'53	-2.1m
	-11016 Jun 09 j 20:27	30°℞♍	
opposition	-11016 Jun 10 j 20:45	29°♍37'41	-4°57'20
direct	-11016 Jul 15 j 00:45	22°♍19'31	
	-11016 Aug 21 j 19:32	0°♎	
	-11016 Oct 23 j 08:04	0°♏	
	-11016 Dec 14 j 04:15	0°♐	
	-11015 Feb 01 j 09:31	0°♑	
asc. node	-11015 Mar 01 j 18:02	17°♑47'59	
	-11015 Mar 20 j 19:29	0°♒	
evening set	-11015 Apr 08 j 09:21	12°♒05'46	
max. Earth dist.	-11015 Apr 30 j 03:44	26°♒33'06	2.57344 AU
	-11015 May 05 j 06:36	0°♓	
conjunction	-11015 May 27 j 22:26	15°♓29'30	0°49'26

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

minimum elong	-11015 May 27 j 20:39	15°♓26'26	0°49'13
	-11015 Jun 17 j 15:45	0°♈	
morning rise	-11015 Jul 17 j 09:42	21°♈24'04	
	-11015 Jul 29 j 02:40	0°♉	
	-11015 Sep 07 j 02:24	0°♊	
	-11015 Oct 16 j 07:01	0°♋	
	-11015 Nov 24 j 12:25	0°♌	
	-11014 Jan 03 j 19:38	0°♍	
desc. node	-11014 Jan 22 j 20:19	13°♍37'44	
	-11014 Feb 15 j 16:20	0°♎	
	-11014 Apr 05 j 13:49	0°♏	
retrograde	-11014 Jun 15 j 02:28	23°♏34'53	
min. Earth dist.	-11014 Jul 20 j 02:49	15°♏33'45	0.61067 AU
opposition	-11014 Jul 24 j 19:45	13°♏41'25	-5°15'34
greatest brilliancy	-11014 Jul 24 j 00:22	14°♏00'41	-1.6m
direct	-11014 Aug 31 j 07:57	4°♏55'46	
	-11014 Nov 17 j 16:34	0°♐	
	-11013 Jan 11 j 07:03	0°♑	
asc. node	-11013 Jan 17 j 20:53	3°♑52'41	
	-11013 Mar 01 j 11:46	0°♒	
	-11013 Apr 16 j 11:23	0°♓	
evening set	-11013 May 23 j 10:27	25°♓30'18	
	-11013 May 29 j 18:24	0°♈	
max. Earth dist.	-11013 Jun 08 j 17:15	7°♈08'29	2.46123 AU
	-11013 Jul 09 j 19:15	0°♉	
conjunction	-11013 Jul 16 j 20:04	5°♉16'50	1°13'06
minimum elong	-11013 Jul 16 j 20:14	5°♉17'08	1°13'25
	-11013 Aug 18 j 05:05	0°♊	
morning rise	-11013 Sep 13 j 17:39	20°♊36'10	
	-11013 Sep 25 j 18:40	0°♋	
	-11013 Nov 03 j 08:39	0°♌	
desc. node	-11013 Dec 10 j 13:06	28°♌16'30	
	-11013 Dec 12 j 20:35	0°♍	
	-11012 Jan 23 j 04:22	0°♎	
	-11012 Mar 07 j 10:28	0°♏	
	-11012 Apr 25 j 22:53	0°♐	
	-11012 Jul 17 j 06:40	0°♑	
retrograde	-11012 Jul 20 j 03:33	0°♑03'13	
	-11012 Jul 22 j 23:39	30°℞♐	
min. Earth dist.	-11012 Aug 28 j 01:38	20°♐38'22	0.66200 AU
opposition	-11012 Aug 29 j 00:10	20°♐15'38	-3°32'31
greatest brilliancy	-11012 Aug 28 j 22:09	20°♐17'41	-1.4m
direct	-11012 Oct 07 j 17:53	10°♐39'54	
asc. node	-11012 Dec 05 j 02:20	26°♐10'22	
	-11012 Dec 13 j 10:34	0°♑	
	-11011 Feb 06 j 19:38	0°♒	
	-11011 Mar 26 j 13:45	0°♓	
	-11011 May 09 j 09:08	0°♈	
	-11011 Jun 19 j 10:37	0°♉	
evening set	-11011 Jul 17 j 03:10	21°♉03'44	
	-11011 Jul 28 j 16:31	0°♊	
	-11011 Sep 05 j 01:00	0°♋	
conjunction	-11011 Sep 16 j 20:26	9°♋16'00	0°30'14
minimum elong	-11011 Sep 16 j 23:04	9°♋21'09	0°30'48
max. Earth dist.	-11011 Oct 09 j 11:13	26°♋55'31	2.38613 AU
	-11011 Oct 13 j 10:17	0°♌	
desc. node	-11011 Oct 27 j 07:48	10°♌43'11	
morning rise	-11011 Nov 20 j 20:35	29°♌20'53	
	-11011 Nov 21 j 17:27	0°♍	
	-11010 Jan 01 j 16:39	0°♎	
	-11010 Feb 13 j 22:39	0°♏	
	-11010 Apr 01 j 02:47	0°♐	
	-11010 May 21 j 18:45	0°♑	
	-11010 Jul 27 j 20:06	0°♒	
retrograde	-11010 Aug 24 j 18:24	4°♒17'09	
	-11010 Sep 19 j 09:06	30°℞♑	
opposition	-11010 Oct 02 j 16:00	25°♑04'37	-0°50'15
greatest brilliancy	-11010 Oct 02 j 18:24	25°♑02'13	-1.4m
min. Earth dist.	-11010 Oct 05 j 10:52	23°♑58'07	0.65177 AU
asc. node	-11010 Oct 23 j 07:01	17°♑47'48	
direct	-11010 Nov 12 j 10:45	15°♑06'24	
	-11009 Jan 07 j 09:57	0°♒	
	-11009 Mar 03 j 14:36	0°♓	
	-11009 Apr 18 j 09:22	0°♈	
	-11009 May 30 j 03:22	0°♉	
	-11009 Jul 08 j 15:52	0°♊	
	-11009 Aug 16 j 04:13	0°♋	
desc. node	-11009 Sep 14 j 05:05	22°♋38'35	
evening set	-11009 Sep 20 j 15:05	27°♋36'51	
	-11009 Sep 23 j 17:10	0°♌	
	-11009 Nov 02 j 04:15	0°♍	
conjunction	-11009 Nov 20 j 15:48	13°♍40'04	-0°46'22
minimum elong	-11009 Nov 20 j 13:00	13°♍34'55	0°46'07
	-11009 Dec 13 j 06:08	0°♎	
max. Earth dist.	-11009 Dec 31 j 05:16	12°♎40'54	2.50018 AU
morning rise	-11008 Jan 17 j 23:58	24°♎58'21	
	-11008 Jan 25 j 09:03	0°♏	
	-11008 Mar 10 j 16:53	0°♐	
	-11008 Apr 27 j 07:58	0°♑	
	-11008 Jun 17 j 03:14	0°♒	
	-11008 Aug 16 j 10:43	0°♓	
asc. node	-11008 Sep 09 j 07:40	7°♓53'20	
retrograde	-11008 Oct 03 j 01:01	11°♓01'55	
opposition	-11008 Nov 08 j 21:51	2°♓50'50	2°38'08
greatest brilliancy	-11008 Nov 09 j 10:30	2°♓38'49	-1.7m
min. Earth dist.	-11008 Nov 15 j 04:36	0°♓27'57	0.58163 AU
	-11008 Nov 16 j 10:43	30°℞♒	
direct	-11008 Dec 19 j 03:33	23°♒10'02	
	-11007 Jan 22 j 20:17	0°♓	
	-11007 Mar 22 j 10:01	0°♈	
	-11007 May 06 j 02:54	0°♉	
	-11007 Jun 15 j 21:38	0°♊	
	-11007 Jul 25 j 04:45	0°♋	
desc. node	-11007 Aug 01 j 05:53	5°♋24'55	
	-11007 Sep 02 j 09:01	0°♌	
	-11007 Oct 12 j 09:57	0°♍	
evening set	-11007 Nov 17 j 18:57	26°♍18'57	
	-11007 Nov 22 j 23:49	0°♎	
	-11006 Jan 05 j 10:36	0°♏	
conjunction	-11006 Jan 10 j 23:12	3°♏43'22	-1°14'26
minimum elong	-11006 Jan 10 j 23:02	3°♏43'05	1°14'43
max. Earth dist.	-11006 Feb 02 j 14:33	18°♏47'31	2.60308 AU
	-11006 Feb 19 j 17:14	0°♐	
morning rise	-11006 Mar 03 j 08:07	7°♐32'08	
	-11006 Apr 07 j 11:18	0°♑	
	-11006 May 25 j 08:42	0°♒	
	-11006 Jul 13 j 16:02	0°♓	
asc. node	-11006 Jul 28 j 03:48	8°♓31'37	
	-11006 Sep 04 j 19:00	0°♈	
retrograde	-11006 Nov 25 j 01:55	27°♈06'00	
opposition	-11006 Dec 28 j 12:04	20°♈37'06	6°16'09
greatest brilliancy	-11006 Dec 30 j 04:00	20°♈04'09	-2.3m
min. Earth dist.	-11005 Jan 05 j 14:07	17°♈57'42	0.46596 AU
direct	-11005 Feb 03 j 07:06	12°♈43'34	
	-11005 Mar 31 j 10:25	0°♉	
	-11005 May 19 j 03:46	0°♊	
desc. node	-11005 Jun 19 j 10:05	21°♊54'12	
	-11005 Jun 30 j 15:52	0°♋	
	-11005 Aug 10 j 20:35	0°♌	
	-11005 Sep 21 j 09:45	0°♍	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-11005 Nov 03 j 03:34	0°♎	
	-11005 Dec 17 j 10:23	0°♏	
evening set	-11004 Jan 04 j 05:14	11°♏46'05	
	-11004 Feb 01 j 03:47	0°♐	
conjunction	-11004 Feb 22 j 21:58	14°♐02'11	-0°57'58
minimum elong	-11004 Feb 22 j 23:32	14°♐04'42	0°58'32
max. Earth dist.	-11004 Feb 29 j 02:38	18°♐00'56	2.65756 AU
	-11004 Mar 18 j 19:42	0°♑	
morning rise	-11004 Apr 10 j 15:17	14°♑34'57	
	-11004 May 04 j 17:58	0°♒	
asc. node	-11004 Jun 13 j 21:01	25°♒45'53	
	-11004 Jun 20 j 10:42	0°♓	
	-11004 Aug 05 j 20:42	0°♈	
	-11004 Sep 21 j 14:14	0°♉	
	-11004 Nov 09 j 12:46	0°♊	
	-11003 Jan 11 j 21:00	0°♋	
retrograde	-11003 Feb 06 j 23:35	4°♋02'54	
	-11003 Mar 05 j 12:03	30°℞♊	
opposition	-11003 Mar 09 j 18:39	28°♊52'00	4°22'06
greatest brilliancy	-11003 Mar 10 j 00:30	28°♊48'06	-2.9m
min. Earth dist.	-11003 Mar 10 j 01:17	28°♊47'34	0.38342 AU
direct	-11003 Apr 09 j 09:57	23°♊42'49	
desc. node	-11003 May 06 j 15:19	28°♊14'07	
	-11003 May 11 j 22:07	0°♋	
	-11003 Jul 09 j 19:17	0°♌	
	-11003 Aug 26 j 07:34	0°♍	
	-11003 Oct 11 j 07:06	0°♎	
	-11003 Nov 26 j 12:14	0°♏	
	-11002 Jan 12 j 08:10	0°♐	
evening set	-11002 Feb 13 j 02:47	20°♐13'41	
	-11002 Feb 28 j 11:01	0°♑	
max. Earth dist.	-11002 Mar 24 j 14:29	15°♑26'20	2.65872 AU
conjunction	-11002 Apr 02 j 02:24	20°♑53'53	-0°17'27
minimum elong	-11002 Apr 02 j 03:06	20°♑55'00	0°18'02
	-11002 Apr 16 j 04:43	0°♒	
asc. node	-11002 May 01 j 13:55	10°♒00'06	
morning rise	-11002 May 18 j 20:35	21°♒20'30	
	-11002 May 31 j 22:14	0°♓	
	-11002 Jul 15 j 07:39	0°♈	
	-11002 Aug 27 j 10:18	0°♉	
	-11002 Oct 08 j 14:34	0°♊	
	-11002 Nov 19 j 13:10	0°♋	
	-11001 Jan 01 j 17:10	0°♌	
	-11001 Feb 19 j 23:50	0°♍	
desc. node	-11001 Mar 24 j 16:43	13°♍26'30	
retrograde	-11001 Apr 15 j 07:13	16°♍31'56	
min. Earth dist.	-11001 May 13 j 09:05	11°♍16'46	0.45560 AU
greatest brilliancy	-11001 May 20 j 06:14	8°♍57'26	-2.4m
opposition	-11001 May 21 j 08:50	8°♍34'48	-3°37'59
direct	-11001 Jun 23 j 00:29	2°♍04'10	
	-11001 Sep 12 j 02:46	0°♎	
	-11001 Nov 03 j 19:07	0°♏	
	-11001 Dec 23 j 08:43	0°♐	
	-11000 Feb 09 j 17:05	0°♑	
asc. node	-11000 Mar 18 j 10:15	23°♑56'43	
evening set	-11000 Mar 23 j 12:31	27°♑13'35	
	-11000 Mar 27 j 19:31	0°♒	
max. Earth dist.	-11000 Apr 18 j 13:30	14°♒12'15	2.60732 AU
conjunction	-11000 May 11 j 02:17	29°♒12'31	0°31'47
minimum elong	-11000 May 11 j 01:01	29°♒10'24	0°31'25
	-11000 May 12 j 06:29	0°♓	
	-11000 Jun 24 j 20:00	0°♈	
morning rise	-11000 Jun 28 j 17:09	2°♈44'10	
	-11000 Aug 05 j 14:28	0°♉	

	-11000 Sep 14 j 23:24	0°♊	
	-11000 Oct 24 j 14:06	0°♋	
	-11000 Dec 03 j 06:50	0°♌	
	-10999 Jan 13 j 06:37	0°♍	
desc. node	-10999 Feb 08 j 15:13	18°♍13'19	
	-10999 Feb 26 j 17:59	0°♎	
	-10999 Apr 24 j 13:03	0°♏	
retrograde	-10999 May 30 j 21:36	7°♏45'54	
min. Earth dist.	-10999 Jul 03 j 01:24	0°♏26'55	0.57466 AU
	-10999 Jul 04 j 05:14	30°℞♎	
greatest brilliancy	-10999 Jul 08 j 01:02	28°♎30'17	-1.7m
opposition	-10999 Jul 09 j 03:58	28°♎04'00	-5°29'58
direct	-10999 Aug 14 j 11:47	19°♎47'10	
	-10999 Sep 28 j 15:27	0°♏	
	-10999 Nov 28 j 22:29	0°♐	
	-10998 Jan 19 j 14:15	0°♑	
asc. node	-10998 Feb 03 j 10:39	9°♑02'37	
	-10998 Mar 08 j 21:34	0°♒	
	-10998 Apr 23 j 14:50	0°♓	
evening set	-10998 May 04 j 23:11	7°♓42'31	
max. Earth dist.	-10998 May 21 j 19:03	19°♓20'22	2.50879 AU
	-10998 Jun 05 j 21:57	0°♈	
conjunction	-10998 Jun 25 j 23:02	14°♈25'59	1°09'26
minimum elong	-10998 Jun 25 j 21:41	14°♈23'30	1°09'32
	-10998 Jul 17 j 02:10	0°♉	
morning rise	-10998 Aug 19 j 21:54	25°♉34'06	
	-10998 Aug 25 j 16:32	0°♊	
	-10998 Oct 03 j 10:47	0°♋	
	-10998 Nov 11 j 05:01	0°♌	
	-10998 Dec 20 j 21:25	0°♍	
desc. node	-10998 Dec 27 j 10:54	4°♍50'35	
	-10997 Jan 31 j 13:15	0°♎	
	-10997 Mar 17 j 17:22	0°♏	
	-10997 May 10 j 01:36	0°♐	
retrograde	-10997 Jul 07 j 11:25	16°♐37'11	
min. Earth dist.	-10997 Aug 14 j 00:31	7°♐41'19	0.64911 AU
opposition	-10997 Aug 16 j 10:38	6°♐42'46	-4°21'02
greatest brilliancy	-10997 Aug 16 j 02:49	6°♐50'39	-1.4m
	-10997 Sep 04 j 13:34	30°℞♏	
direct	-10997 Sep 24 j 10:58	27°♏23'07	
	-10997 Oct 15 j 23:18	0°♐	
asc. node	-10997 Dec 22 j 15:08	27°♐56'02	
	-10997 Dec 26 j 12:23	0°♑	
	-10996 Feb 16 j 09:50	0°♒	
	-10996 Apr 03 j 06:18	0°♓	
	-10996 May 16 j 19:08	0°♈	
evening set	-10996 Jun 23 j 21:44	27°♈49'13	
	-10996 Jun 26 j 19:36	0°♉	
max. Earth dist.	-10996 Jul 26 j 21:56	22°♉53'56	2.39411 AU
	-10996 Aug 05 j 02:21	0°♊	
conjunction	-10996 Aug 21 j 21:42	13°♊04'58	0°56'15
minimum elong	-10996 Aug 22 j 00:48	13°♊11'02	0°56'47
	-10996 Sep 12 j 12:10	0°♋	
	-10996 Oct 20 j 22:27	0°♌	
morning rise	-10996 Oct 25 j 02:31	3°♌13'32	
desc. node	-10996 Nov 13 j 03:30	17°♌49'47	
	-10996 Nov 29 j 06:11	0°♍	
	-10995 Jan 09 j 06:39	0°♎	
	-10995 Feb 21 j 17:37	0°♏	
	-10995 Apr 09 j 15:37	0°♐	
	-10995 Jun 02 j 07:08	0°♑	
retrograde	-10995 Aug 10 j 16:38	21°♑08'21	
opposition	-10995 Sep 19 j 02:12	11°♑39'12	-1°58'51
greatest brilliancy	-10995 Sep 19 j 05:01	11°♑36'22	-1.4m
min. Earth dist.	-10995 Sep 20 j 10:16	11°♑07'03	0.66306 AU

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

direct	-10995 Oct 29 j 14:58	1°♋46'18	
asc. node	-10995 Nov 08 j 20:38	2°♋23'58	
	-10994 Jan 21 j 03:12	0°♒	
	-10994 Mar 12 j 21:35	0°♓	
	-10994 Apr 26 j 15:07	0°♈	
	-10994 Jun 07 j 00:22	0°♉	
	-10994 Jul 16 j 08:52	0°♊	
	-10994 Aug 23 j 18:32	0°♋	
evening set	-10994 Aug 25 j 21:55	1°♋40'44	
desc. node	-10994 Sep 30 j 22:31	29°♋47'36	
	-10994 Oct 01 j 04:56	0°♌	
conjunction	-10994 Oct 27 j 15:25	20°♌16'09	-0°19'58
minimum elong	-10994 Oct 27 j 13:46	20°♌13'00	0°19'30
	-10994 Nov 09 j 13:14	0°♍	
max. Earth dist.	-10994 Dec 11 j 07:26	23°♍22'26	2.45138 AU
	-10994 Dec 20 j 12:45	0°♎	
morning rise	-10994 Dec 28 j 06:18	5°♎30'00	
	-10993 Feb 01 j 14:59	0°♏	
	-10993 Mar 19 j 03:07	0°♐	
	-10993 May 06 j 11:42	0°♑	
	-10993 Jun 28 j 22:03	0°♒	
retrograde	-10993 Sep 17 j 10:44	26°♒17'26	
asc. node	-10993 Sep 26 j 23:20	25°♒41'59	
opposition	-10993 Oct 25 j 06:06	17°♒38'30	1°12'21
greatest brilliancy	-10993 Oct 25 j 10:37	17°♒34'07	-1.6m
min. Earth dist.	-10993 Oct 30 j 05:22	15°♒42'39	0.61581 AU
direct	-10993 Dec 04 j 22:55	7°♒44'07	
	-10992 Feb 12 j 13:14	0°♓	
	-10992 Apr 02 j 09:45	0°♈	
	-10992 May 15 j 10:21	0°♉	
	-10992 Jun 24 j 12:38	0°♊	
	-10992 Aug 02 j 09:40	0°♋	
desc. node	-10992 Aug 17 j 22:33	12°♋02'35	
	-10992 Sep 10 j 05:46	0°♌	
	-10992 Oct 19 j 23:15	0°♍	
evening set	-10992 Oct 27 j 08:06	5°♍26'49	
	-10992 Nov 30 j 06:40	0°♎	
conjunction	-10992 Dec 23 j 02:22	16°♎00'11	-1°10'06
minimum elong	-10992 Dec 23 j 00:54	15°♎57'37	1°10'12
	-10991 Jan 12 j 12:43	0°♏	
max. Earth dist.	-10991 Jan 21 j 22:36	6°♏20'55	2.56801 AU
morning rise	-10991 Feb 14 j 18:26	22°♏10'14	
	-10991 Feb 26 j 17:59	0°♐	
	-10991 Apr 14 j 16:57	0°♑	
	-10991 Jun 02 j 08:26	0°♒	
	-10991 Jul 23 j 20:10	0°♓	
asc. node	-10991 Aug 13 j 21:42	11°♓16'46	
	-10991 Sep 24 j 21:10	0°♈	
retrograde	-10991 Nov 02 j 03:00	7°♈34'56	
opposition	-10991 Dec 07 j 03:00	0°♈20'22	4°58'31
greatest brilliancy	-10991 Dec 08 j 09:14	29°♓53'32	-2.0m
	-10991 Dec 08 j 01:57	30°℞♓	
min. Earth dist.	-10991 Dec 15 j 00:22	27°♓33'02	0.51422 AU
direct	-10990 Jan 14 j 18:04	21°♓29'33	
	-10990 Feb 21 j 20:58	0°♈	
	-10990 Apr 17 j 17:47	0°♉	
	-10990 May 31 j 03:44	0°♊	
desc. node	-10990 Jul 06 j 01:36	26°♊28'51	
	-10990 Jul 10 j 18:38	0°♋	
	-10990 Aug 19 j 20:55	0°♌	
	-10990 Sep 29 j 15:06	0°♍	
	-10990 Nov 10 j 18:43	0°♎	
evening set	-10990 Dec 17 j 21:09	25°♎27'11	
	-10990 Dec 24 j 15:20	0°♏	

conjunction	-10989 Feb 06 j 23:05	29°♏14'57	-1°08'09
minimum elong	-10989 Feb 07 j 00:20	29°♏16'59	1°08'39
	-10989 Feb 08 j 02:48	0°♐	
max. Earth dist.	-10989 Feb 19 j 06:08	7°♐13'17	2.64259 AU
	-10989 Mar 26 j 17:48	0°♑	
morning rise	-10989 Mar 27 j 18:08	0°♑38'50	
	-10989 May 12 j 22:20	0°♒	
	-10989 Jun 29 j 08:27	0°♓	
asc. node	-10989 Jul 01 j 15:56	1°♓27'28	
	-10989 Aug 16 j 08:06	0°♈	
	-10989 Oct 05 j 16:22	0°♉	
	-10989 Dec 08 j 10:33	0°♊	
retrograde	-10988 Jan 07 j 15:52	5°♊08'55	
opposition	-10988 Feb 07 j 19:23	29°♉49'22	6°33'04
	-10988 Feb 07 j 04:19	30°℞♉	
greatest brilliancy	-10988 Feb 09 j 01:15	29°♉28'13	-2.7m
min. Earth dist.	-10988 Feb 12 j 18:23	28°♉25'34	0.40098 AU
direct	-10988 Mar 11 j 09:20	23°♉53'21	
	-10988 Apr 11 j 21:39	0°♊	
desc. node	-10988 May 23 j 06:07	20°♊18'18	
	-10988 Jun 08 j 05:27	0°♋	
	-10988 Jul 23 j 19:31	0°♌	
	-10988 Sep 05 j 17:30	0°♍	
	-10988 Oct 19 j 23:02	0°♎	
	-10988 Dec 04 j 04:40	0°♏	
	-10987 Jan 19 j 11:29	0°♐	
evening set	-10987 Jan 28 j 16:36	5°♐54'54	
	-10987 Mar 07 j 08:19	0°♑	
max. Earth dist.	-10987 Mar 15 j 06:22	5°♑03'46	2.66473 AU
conjunction	-10987 Mar 18 j 01:05	6°♑50'28	-0°34'59
minimum elong	-10987 Mar 18 j 02:21	6°♑52'29	0°35'35
	-10987 Apr 23 j 02:21	0°♒	
morning rise	-10987 May 03 j 20:42	6°♒57'51	
asc. node	-10987 May 18 j 08:15	16°♒22'53	
	-10987 Jun 08 j 02:45	0°♓	
	-10987 Jul 23 j 02:33	0°♈	
	-10987 Sep 05 j 04:41	0°♉	
	-10987 Oct 18 j 20:12	0°♊	
	-10987 Dec 02 j 03:34	0°♋	
	-10986 Jan 19 j 18:09	0°♌	
retrograde	-10986 Mar 23 j 03:51	20°♌42'18	
desc. node	-10986 Apr 10 j 11:09	18°♌27'03	
min. Earth dist.	-10986 Apr 19 j 09:29	16°♌02'02	0.41159 AU
opposition	-10986 Apr 25 j 23:28	14°♌02'33	-1°08'36
greatest brilliancy	-10986 Apr 25 j 15:38	14°♌08'29	-2.7m
direct	-10986 May 27 j 00:45	8°♌22'50	
	-10986 Aug 03 j 00:30	0°♍	
	-10986 Sep 24 j 23:03	0°♎	
	-10986 Nov 12 j 22:12	0°♏	
	-10986 Dec 31 j 02:07	0°♐	
	-10985 Feb 16 j 19:52	0°♑	
evening set	-10985 Mar 09 j 03:33	12°♑54'39	
	-10985 Apr 04 j 17:27	0°♒	
asc. node	-10985 Apr 05 j 02:26	0°♒14'33	
max. Earth dist.	-10985 Apr 09 j 00:47	2°♒47'41	2.63351 AU
conjunction	-10985 Apr 26 j 04:49	14°♒01'20	0°12'43
minimum elong	-10985 Apr 26 j 04:19	14°♒00'30	0°12'15
behind sun begin	-10985 Apr 25 j 15:23	13°♒39'14	
behind sun end	-10985 Apr 26 j 17:15	14°♒21'46	
	-10985 May 20 j 05:49	0°♓	
morning rise	-10985 Jun 12 j 16:01	15°♓53'25	
	-10985 Jul 03 j 01:28	0°♈	
	-10985 Aug 14 j 05:58	0°♉	
	-10985 Sep 24 j 03:44	0°♊	
	-10985 Nov 03 j 09:26	0°♋	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-10985 Dec 13 j 20:57	0°♌		
	-10984 Jan 25 j 04:19	0°♍		
desc. node	-10984 Feb 26 j 11:02	20°♍47'51		
	-10984 Mar 13 j 12:36	0°♎		
retrograde	-10984 May 14 j 08:01	20°♎02'41		
min. Earth dist.	-10984 Jun 14 j 10:58	13°♎31'14	0.53082 AU	
greatest brilliancy	-10984 Jun 20 j 09:49	11°♎16'51	-2.0m	
opposition	-10984 Jun 21 j 18:06	10°♎46'22	-5°19'36	
direct	-10984 Jul 26 j 17:03	3°♎05'27		
	-10984 Oct 15 j 11:55	0°♏		
	-10984 Dec 08 j 11:16	0°♐		
	-10983 Jan 27 j 09:39	0°♑		
asc. node	-10983 Feb 20 j 01:17	14°♑42'32		
	-10983 Mar 16 j 02:39	0°♒		
evening set	-10983 Apr 17 j 19:08	21°♒22'19		
	-10983 Apr 30 j 16:16	0°♓		
max. Earth dist.	-10983 May 07 j 09:30	4°♓33'04	2.55212 AU	
conjunction	-10983 Jun 07 j 01:11	25°♓45'54	0°58'10	
minimum elong	-10983 Jun 06 j 23:20	25°♓42'39	0°58'03	
	-10983 Jun 13 j 00:59	0°♈		
	-10983 Jul 24 j 09:43	0°♉		
morning rise	-10983 Jul 28 j 20:37	3°♉18'22		
	-10983 Sep 02 j 05:54	0°♊		
	-10983 Oct 11 j 06:12	0°♋		
	-10983 Nov 19 j 06:41	0°♌		
	-10983 Dec 29 j 06:42	0°♍		
desc. node	-10982 Jan 13 j 06:11	10°♍52'35		
	-10982 Feb 09 j 13:00	0°♎		
	-10982 Mar 28 j 11:23	0°♏		
	-10982 Jun 03 j 07:21	0°♐		
retrograde	-10982 Jun 23 j 10:25	2°♐30'23		
	-10982 Jul 12 j 10:21	30°℞♏		
min. Earth dist.	-10982 Jul 29 j 09:58	24°♏08'24	0.62688 AU	
opposition	-10982 Aug 02 j 07:38	22°♏34'40	-4°59'26	
greatest brilliancy	-10982 Aug 01 j 16:36	22°♏49'43	-1.5m	
direct	-10982 Sep 09 j 10:17	13°♏35'37		
	-10982 Nov 08 j 17:20	0°♐		
	-10981 Jan 05 j 10:04	0°♑		
asc. node	-10981 Jan 08 j 04:48	1°♑35'35		
	-10981 Feb 24 j 09:59	0°♒		
	-10981 Apr 11 j 16:49	0°♓		
	-10981 May 25 j 02:16	0°♈		
evening set	-10981 Jun 03 j 16:20	6°♈52'07		
max. Earth dist.	-10981 Jun 21 j 18:31	20°♈03'53	2.43528 AU	
	-10981 Jul 05 j 03:31	0°♉		
conjunction	-10981 Jul 29 j 14:36	18°♉31'29	1°10'32	
minimum elong	-10981 Jul 29 j 15:57	18°♉34'06	1°10'58	
	-10981 Aug 13 j 12:27	0°♊		
	-10981 Sep 21 j 00:28	0°♋		
morning rise	-10981 Sep 28 j 16:33	5°♋59'51		
	-10981 Oct 29 j 12:35	0°♌		
desc. node	-10981 Nov 30 j 23:56	24°♌48'34		
	-10981 Dec 07 j 21:53	0°♍		
	-10980 Jan 18 j 01:20	0°♎		
	-10980 Mar 01 j 21:27	0°♏		
	-10980 Apr 19 j 02:20	0°♐		
	-10980 Jun 18 j 21:21	0°♑		
retrograde	-10980 Jul 27 j 23:31	8°♑04'13		
	-10980 Sep 01 j 16:03	30°℞♐		
opposition	-10980 Sep 05 j 17:43	28°♐22'07	-3°00'21	
greatest brilliancy	-10980 Sep 05 j 18:05	28°♐21'45	-1.4m	
min. Earth dist.	-10980 Sep 05 j 14:42	28°♐25'09	0.66496 AU	
direct	-10980 Oct 15 j 19:55	18°♐39'08		
asc. node	-10980 Nov 25 j 10:42	27°♐00'06		
	-10980 Dec 03 j 06:15	0°♑		
	-10979 Jan 31 j 17:20	0°♒		
	-10979 Mar 21 j 08:19	0°♓		
	-10979 May 04 j 10:54	0°♈		
	-10979 Jun 14 j 15:21	0°♉		
	-10979 Jul 23 j 22:18	0°♊		
evening set	-10979 Jul 31 j 04:36	5°♊38'47		
	-10979 Aug 31 j 07:08	0°♋		
conjunction	-10979 Oct 01 j 19:16	24°♋39'09	0°12'11	
minimum elong	-10979 Oct 01 j 20:27	24°♋41'28	0°12'45	
behind sun begin	-10979 Oct 01 j 03:17	24°♋08'04		
behind sun end	-10979 Oct 02 j 13:38	25°♋14'50		
	-10979 Oct 08 j 16:32	0°♌		
desc. node	-10979 Oct 17 j 17:57	7°♌00'10		
max. Earth dist.	-10979 Nov 10 j 06:58	24°♌58'07	2.40466 AU	
	-10979 Nov 16 j 23:23	0°♍		
morning rise	-10979 Dec 05 j 01:42	13°♍26'30		
	-10979 Dec 27 j 21:34	0°♎		
	-10978 Feb 09 j 00:39	0°♏		
	-10978 Mar 26 j 20:23	0°♐		
	-10978 May 15 j 09:16	0°♑		
	-10978 Jul 13 j 06:36	0°♒		
retrograde	-10978 Sep 02 j 02:44	12°♒24'29		
opposition	-10978 Oct 10 j 16:27	3°♒22'35	-0°07'20	
greatest brilliancy	-10978 Oct 10 j 17:00	3°♒22'03	-1.5m	
asc. node	-10978 Oct 13 j 15:14	2°♒12'38		
min. Earth dist.	-10978 Oct 14 j 06:20	1°♒57'46	0.64153 AU	
	-10978 Oct 19 j 08:44	30°℞♑		
direct	-10978 Nov 20 j 12:38	23°♑23'43		
	-10978 Dec 25 j 12:36	0°♒		
	-10977 Feb 25 j 00:17	0°♓		
	-10977 Apr 12 j 20:20	0°♈		
	-10977 May 24 j 23:24	0°♉		
	-10977 Jul 03 j 15:58	0°♊		
	-10977 Aug 11 j 06:40	0°♋		
desc. node	-10977 Sep 04 j 15:06	18°♋58'01		
	-10977 Sep 18 j 21:27	0°♌		
evening set	-10977 Oct 04 j 19:47	12°♌12'39		
	-10977 Oct 28 j 09:56	0°♍		
conjunction	-10977 Dec 03 j 09:47	26°♍20'05	-0°57'36	
minimum elong	-10977 Dec 03 j 07:09	26°♍15'23	0°57'29	
	-10977 Dec 08 j 12:50	0°♎		
max. Earth dist.	-10976 Jan 09 j 09:30	22°♎18'13	2.52616 AU	
	-10976 Jan 20 j 15:51	0°♏		
morning rise	-10976 Jan 28 j 22:25	5°♏35'36		
	-10976 Mar 05 j 21:26	0°♐		
	-10976 Apr 22 j 04:35	0°♑		
	-10976 Jun 10 j 23:41	0°♒		
	-10976 Aug 05 j 12:52	0°♓		
asc. node	-10976 Aug 30 j 14:52	10°♓55'16		
retrograde	-10976 Oct 13 j 05:58	20°♓25'55		
opposition	-10976 Nov 18 j 12:59	12°♓32'41	3°29'05	
greatest brilliancy	-10976 Nov 19 j 07:31	12°♓15'26	-1.8m	
min. Earth dist.	-10976 Nov 25 j 11:59	9°♓57'36	0.55964 AU	
direct	-10976 Dec 28 j 08:58	3°♓04'46		
	-10975 Mar 14 j 04:49	0°♈		
	-10975 Apr 29 j 18:49	0°♉		
	-10975 Jun 10 j 05:25	0°♊		
	-10975 Jul 19 j 20:49	0°♋		
desc. node	-10975 Jul 22 j 18:18	2°♋12'30		
	-10975 Aug 28 j 06:49	0°♌		
	-10975 Oct 07 j 12:02	0°♍		
	-10975 Nov 18 j 05:09	0°♎		
evening set	-10975 Nov 29 j 05:07	7°♎42'02		
	-10975 Dec 31 j 18:10	0°♏		

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

conjunction	-10974 Jan 21 j 03:42	13°♏38'18	-1°13'45
minimum elong	-10974 Jan 21 j 04:10	13°♏39'06	1°14'07
max. Earth dist.	-10974 Feb 09 j 00:41	26°♏03'51	2.61942 AU
	-10974 Feb 15 j 01:29	0°♐	
morning rise	-10974 Mar 12 j 11:07	16°♐25'02	
	-10974 Apr 02 j 17:28	0°♑	
	-10974 May 20 j 07:23	0°♒	
	-10974 Jul 07 j 18:29	0°♓	
asc. node	-10974 Jul 18 j 10:14	6°♓28'36	
	-10974 Aug 27 j 08:46	0°♈	
	-10974 Oct 26 j 08:15	0°♉	
retrograde	-10974 Dec 09 j 18:25	10°♉00'05	
opposition	-10973 Jan 11 j 05:46	3°♉57'54	6°43'59
greatest brilliancy	-10973 Jan 12 j 23:05	3°♉25'25	-2.4m
min. Earth dist.	-10973 Jan 18 j 18:41	1°♉36'21	0.44018 AU
	-10973 Jan 24 j 07:43	30°♈℞	
direct	-10973 Feb 15 j 16:43	26°♈44'19	
	-10973 Mar 10 j 00:54	0°♉	
	-10973 May 10 j 00:18	0°♊	
desc. node	-10973 Jun 09 j 23:18	20°♊30'06	
	-10973 Jun 23 j 15:20	0°♋	
	-10973 Aug 04 j 19:48	0°♌	
	-10973 Sep 15 j 23:23	0°♍	
	-10973 Oct 29 j 02:33	0°♎	
	-10973 Dec 12 j 15:26	0°♏	
evening set	-10972 Jan 13 j 17:19	21°♏03'28	
	-10972 Jan 27 j 12:17	0°♐	
conjunction	-10972 Mar 02 j 20:09	22°♐43'02	-0°50'21
minimum elong	-10972 Mar 02 j 21:42	22°♐45'31	0°50'56
max. Earth dist.	-10972 Mar 05 j 18:45	24°♐36'06	2.66239 AU
	-10972 Mar 14 j 05:10	0°♑	
morning rise	-10972 Apr 19 j 03:07	22°♑59'06	
	-10972 Apr 30 j 01:30	0°♒	
asc. node	-10972 Jun 04 j 02:31	22°♒36'42	
	-10972 Jun 15 j 11:31	0°♓	
	-10972 Jul 31 j 07:07	0°♈	
	-10972 Sep 14 j 20:06	0°♉	
	-10972 Oct 31 j 01:57	0°♊	
	-10972 Dec 20 j 09:16	0°♋	
retrograde	-10971 Feb 23 j 21:36	21°♋30'51	
min. Earth dist.	-10971 Mar 24 j 21:03	16°♋43'42	0.38589 AU
opposition	-10971 Mar 27 j 12:33	15°♋59'59	2°23'40
greatest brilliancy	-10971 Mar 27 j 09:57	16°♋01'47	-2.9m
direct	-10971 Apr 26 j 20:37	10°♋52'17	
desc. node	-10971 Apr 27 j 03:15	10°♋52'18	
	-10971 Jun 27 j 18:27	0°♌	
	-10971 Aug 18 j 19:52	0°♍	
	-10971 Oct 05 j 08:41	0°♎	
	-10971 Nov 21 j 07:40	0°♏	
	-10970 Jan 07 j 12:44	0°♐	
evening set	-10970 Feb 21 j 21:46	28°♐46'42	
	-10970 Feb 23 j 19:52	0°♑	
max. Earth dist.	-10970 Mar 30 j 06:51	22°♑02'18	2.65195 AU
conjunction	-10970 Apr 10 j 19:47	29°♑29'18	-0°06'37
minimum elong	-10970 Apr 10 j 20:04	29°♑29'47	0°07'10
behind sun begin	-10970 Apr 10 j 02:16	29°♑00'58	
behind sun end	-10970 Apr 11 j 13:53	29°♑58'37	
	-10970 Apr 11 j 14:44	0°♒	
asc. node	-10970 Apr 21 j 19:42	6°♒37'59	
morning rise	-10970 May 27 j 16:57	0°♓17'41	
	-10970 May 27 j 06:21	0°♓	
	-10970 Jul 10 j 10:44	0°♈	
	-10970 Aug 22 j 04:43	0°♉	
	-10970 Oct 02 j 20:21	0°♊	
	-10970 Nov 13 j 00:27	0°♋	
	-10970 Dec 24 j 20:22	0°♌	
	-10969 Feb 08 j 01:20	0°♍	
desc. node	-10969 Mar 15 j 04:44	18°♍59'24	
retrograde	-10969 Apr 26 j 21:44	29°♍49'53	
min. Earth dist.	-10969 May 25 j 23:43	24°♍08'25	0.48244 AU
opposition	-10969 Jun 02 j 23:46	21°♍18'04	-4°30'50
greatest brilliancy	-10969 Jun 01 j 16:03	21°♍46'22	-2.2m
direct	-10969 Jul 06 j 10:48	14°♍20'30	
	-10969 Sep 01 j 10:17	0°♎	
	-10969 Oct 28 j 07:34	0°♏	
	-10969 Dec 18 j 01:17	0°♐	
	-10968 Feb 04 j 21:00	0°♑	
asc. node	-10968 Mar 08 j 16:50	20°♑42'27	
	-10968 Mar 23 j 04:12	0°♒	
evening set	-10968 Apr 01 j 13:45	6°♒05'43	
max. Earth dist.	-10968 Apr 25 j 02:33	21°♒35'05	2.58942 AU
	-10968 May 07 j 16:05	0°♓	
conjunction	-10968 May 20 j 14:49	8°♓47'10	0°42'14
minimum elong	-10968 May 20 j 13:13	8°♓44'26	0°41'57
	-10968 Jun 20 j 04:04	0°♈	
morning rise	-10968 Jul 09 j 03:48	13°♈31'50	
	-10968 Jul 31 j 19:08	0°♉	
	-10968 Sep 09 j 23:26	0°♊	
	-10968 Oct 19 j 08:24	0°♋	
	-10968 Nov 27 j 18:09	0°♌	
	-10967 Jan 07 j 06:38	0°♍	
desc. node	-10967 Jan 30 j 02:26	16°♍09'11	
	-10967 Feb 19 j 14:51	0°♎	
	-10967 Apr 11 j 11:33	0°♏	
retrograde	-10967 Jun 08 j 17:52	17°♏24'23	
min. Earth dist.	-10967 Jul 12 j 22:53	9°♏41'52	0.59551 AU
greatest brilliancy	-10967 Jul 17 j 08:48	7°♏57'25	-1.7m
opposition	-10967 Jul 18 j 07:40	7°♏34'51	-5°24'13
	-10967 Aug 12 j 05:17	30°♎℞	
direct	-10967 Aug 24 j 08:17	29°♎01'26	
	-10967 Sep 06 j 01:57	0°♏	
	-10967 Nov 21 j 23:38	0°♐	
	-10966 Jan 14 j 04:50	0°♑	
asc. node	-10966 Jan 24 j 19:05	6°♑20'11	
	-10966 Mar 04 j 00:49	0°♒	
	-10966 Apr 18 j 22:46	0°♓	
evening set	-10966 May 15 j 07:47	18°♓03'27	
max. Earth dist.	-10966 May 31 j 07:39	29°♓18'41	2.48268 AU
	-10966 Jun 01 j 06:53	0°♈	
conjunction	-10966 Jul 07 j 13:45	26°♈23'30	1°12'40
minimum elong	-10966 Jul 07 j 13:07	26°♈22'21	1°12'53
	-10966 Jul 12 j 10:08	0°♉	
	-10966 Aug 20 j 22:29	0°♊	
morning rise	-10966 Sep 02 j 15:40	9°♊49'42	
	-10966 Sep 28 j 14:06	0°♋	
	-10966 Nov 06 j 05:36	0°♌	
	-10966 Dec 15 j 18:31	0°♍	
desc. node	-10966 Dec 17 j 19:20	1°♍30'45	
	-10965 Jan 26 j 03:57	0°♎	
	-10965 Mar 11 j 16:07	0°♏	
	-10965 May 01 j 06:44	0°♐	
retrograde	-10965 Jul 15 j 08:47	24°♐49'33	
min. Earth dist.	-10965 Aug 22 j 17:02	15°♐37'15	0.65746 AU
opposition	-10965 Aug 24 j 07:36	14°♐58'23	-3°53'57
greatest brilliancy	-10965 Aug 24 j 03:13	15°♐02'48	-1.4m
direct	-10965 Oct 02 j 18:44	5°♐29'21	
asc. node	-10965 Dec 13 j 00:19	26°♐58'22	
	-10965 Dec 19 j 03:14	0°♑	
	-10964 Feb 10 j 21:28	0°♒	
	-10964 Mar 29 j 07:14	0°♓	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-10964 May 12 j 00:59	0°♈	
	-10964 Jun 22 j 03:05	0°♉	
evening set	-10964 Jul 06 j 18:47	11°♉03'59	
	-10964 Jul 31 j 09:55	0°♊	
max. Earth dist.	-10964 Sep 01 j 16:02	25°♊11'49	2.38235 AU
conjunction	-10964 Sep 05 j 10:14	28°♊08'46	0°42'43
minimum elong	-10964 Sep 05 j 13:25	28°♊15'02	0°43'16
	-10964 Sep 07 j 18:55	0°♋	
	-10964 Oct 16 j 04:09	0°♌	
desc. node	-10964 Nov 03 j 13:14	14°♌09'52	
morning rise	-10964 Nov 09 j 10:57	18°♌40'20	
	-10964 Nov 24 j 10:34	0°♍	
	-10963 Jan 04 j 08:47	0°♎	
	-10963 Feb 16 j 15:06	0°♏	
	-10963 Apr 03 j 23:49	0°♐	
	-10963 May 25 j 13:11	0°♑	
retrograde	-10963 Aug 18 j 17:13	29°♑06'39	
opposition	-10963 Sep 26 j 21:14	19°♑46'10	-1°19'51
greatest brilliancy	-10963 Sep 27 j 00:09	19°♑43'16	-1.4m
min. Earth dist.	-10963 Sep 29 j 00:34	18°♑54'57	0.65808 AU
asc. node	-10963 Oct 30 j 05:07	10°♑10'56	
direct	-10963 Nov 06 j 14:37	9°♑49'47	
	-10962 Jan 13 j 00:29	0°♒	
	-10962 Mar 07 j 01:41	0°♓	
	-10962 Apr 21 j 10:19	0°♈	
	-10962 Jun 02 j 01:32	0°♉	
	-10962 Jul 11 j 12:53	0°♊	
	-10962 Aug 18 j 24:00	0°♋	
evening set	-10962 Sep 09 j 11:56	16°♋48'39	
desc. node	-10962 Sep 21 j 10:17	26°♋05'39	
	-10962 Sep 26 j 11:19	0°♌	
	-10962 Nov 04 j 20:08	0°♍	
conjunction	-10962 Nov 10 j 11:58	4°♍13'32	-0°35'56
minimum elong	-10962 Nov 10 j 09:23	4°♍08'44	0°35'34
	-10962 Dec 15 j 19:29	0°♎	
max. Earth dist.	-10962 Dec 23 j 15:33	5°♎34'35	2.47843 AU
morning rise	-10961 Jan 09 j 08:23	17°♎17'26	
	-10961 Jan 27 j 20:33	0°♏	
	-10961 Mar 14 j 04:24	0°♐	
	-10961 May 01 j 00:40	0°♑	
	-10961 Jun 21 j 16:23	0°♒	
	-10961 Aug 27 j 03:24	0°♓	
asc. node	-10961 Sep 17 j 06:38	4°♓29'23	
retrograde	-10961 Sep 26 j 17:31	5°♓01'54	
	-10961 Oct 24 j 20:41	30°♓℞	
opposition	-10961 Nov 03 j 01:40	26°♒37'36	2°00'58
greatest brilliancy	-10961 Nov 03 j 10:25	26°♒29'13	-1.7m
min. Earth dist.	-10961 Nov 08 j 19:04	24°♒25'55	0.59802 AU
direct	-10961 Dec 13 j 14:04	16°♒49'25	
	-10960 Feb 02 j 03:19	0°♓	
	-10960 Mar 26 j 19:19	0°♈	
	-10960 May 09 j 17:28	0°♉	
	-10960 Jun 19 j 05:00	0°♊	
	-10960 Jul 28 j 07:16	0°♋	
desc. node	-10960 Aug 08 j 10:37	8°♋35'49	
	-10960 Sep 05 j 07:14	0°♌	
	-10960 Oct 15 j 03:49	0°♍	
evening set	-10960 Nov 08 j 18:31	17°♍59'27	
	-10960 Nov 25 j 13:25	0°♎	
conjunction	-10959 Jan 03 j 01:49	26°♎44'51	-1°13'27
minimum elong	-10959 Jan 03 j 01:07	26°♎43'40	1°13'40
	-10959 Jan 07 j 20:45	0°♏	
max. Earth dist.	-10959 Jan 28 j 23:50	14°♏10'21	2.58823 AU
	-10959 Feb 22 j 01:23	0°♐	

morning rise	-10959 Feb 24 j 09:58	1°♐32'03	
	-10959 Apr 09 j 20:26	0°♑	
	-10959 May 28 j 00:16	0°♒	
	-10959 Jul 17 j 02:01	0°♓	
asc. node	-10959 Aug 04 j 03:33	10°♓17'26	
	-10959 Sep 10 j 22:41	0°♈	
retrograde	-10959 Nov 14 j 16:39	18°♈43'20	
opposition	-10959 Dec 18 j 20:07	11°♈53'10	5°44'58
greatest brilliancy	-10959 Dec 20 j 08:36	11°♈21'58	-2.2m
min. Earth dist.	-10959 Dec 26 j 23:33	9°♈06'39	0.48777 AU
direct	-10958 Jan 25 j 13:56	3°♈30'57	
	-10958 Apr 08 j 11:04	0°♉	
	-10958 May 24 j 04:29	0°♊	
desc. node	-10958 Jun 26 j 14:07	24°♊02'09	
	-10958 Jul 04 j 16:59	0°♋	
	-10958 Aug 14 j 07:52	0°♌	
	-10958 Sep 24 j 10:56	0°♍	
	-10958 Nov 05 j 20:45	0°♎	
	-10958 Dec 19 j 21:46	0°♏	
evening set	-10958 Dec 27 j 22:48	5°♏21'47	
	-10957 Feb 03 j 11:28	0°♐	
conjunction	-10957 Feb 16 j 05:18	8°♐14'56	-1°02'43
minimum elong	-10957 Feb 16 j 06:46	8°♐17'19	1°03'15
max. Earth dist.	-10957 Feb 25 j 01:01	13°♐56'08	2.65189 AU
	-10957 Mar 22 j 02:21	0°♑	
morning rise	-10957 Apr 05 j 09:01	9°♑07'03	
	-10957 May 08 j 03:04	0°♒	
asc. node	-10957 Jun 21 j 21:20	28°♒34'38	
	-10957 Jun 24 j 02:46	0°♓	
	-10957 Aug 10 j 03:26	0°♈	
	-10957 Sep 27 j 03:21	0°♉	
	-10957 Nov 18 j 12:56	0°♊	
retrograde	-10956 Jan 25 j 06:31	21°♊27'02	
opposition	-10956 Feb 24 j 23:12	16°♊18'45	5°34'20
greatest brilliancy	-10956 Feb 25 j 16:01	16°♊07'24	-2.8m
min. Earth dist.	-10956 Feb 27 j 13:39	15°♊36'37	0.38801 AU
direct	-10956 Mar 27 j 06:15	10°♊55'00	
desc. node	-10956 May 13 j 19:25	23°♊32'57	
	-10956 May 26 j 17:42	0°♋	
	-10956 Jul 15 j 20:53	0°♌	
	-10956 Aug 30 j 10:21	0°♍	
	-10956 Oct 14 j 11:51	0°♎	
	-10956 Nov 29 j 04:54	0°♏	
	-10955 Jan 14 j 17:58	0°♐	
evening set	-10955 Feb 06 j 14:32	14°♐36'10	
	-10955 Mar 02 j 17:47	0°♑	
max. Earth dist.	-10955 Mar 20 j 19:22	11°♑32'53	2.66243 AU
conjunction	-10955 Mar 26 j 16:56	15°♑19'45	-0°25'01
minimum elong	-10955 Mar 26 j 17:54	15°♑21'17	0°25'37
	-10955 Apr 18 j 11:50	0°♒	
asc. node	-10955 May 08 j 13:51	13°♒02'50	
morning rise	-10955 May 12 j 10:33	15°♒34'15	
	-10955 Jun 03 j 08:40	0°♓	
	-10955 Jul 18 j 00:43	0°♈	
	-10955 Aug 30 j 13:14	0°♉	
	-10955 Oct 12 j 07:30	0°♊	
	-10955 Nov 24 j 02:02	0°♋	
	-10954 Jan 07 j 19:58	0°♌	
	-10954 Mar 05 j 11:20	0°♍	
desc. node	-10954 Mar 31 j 22:06	6°♍01'51	
retrograde	-10954 Apr 05 j 18:25	6°♍11'45	
min. Earth dist.	-10954 May 03 j 06:24	1°♍14'53	0.43465 AU
	-10954 May 07 j 04:00	30°♌℞	
opposition	-10954 May 10 j 21:01	28°♌47'32	-2°43'05
greatest brilliancy	-10954 May 10 j 01:08	29°♌03'42	-2.6m

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

direct	-10954 Jun 11 j 19:42	22°♌39'56	
	-10954 Jul 18 j 02:19	0°♍	
	-10954 Sep 17 j 09:06	0°♎	
	-10954 Nov 07 j 03:38	0°♏	
	-10954 Dec 26 j 00:52	0°♐	
	-10953 Feb 12 j 02:33	0°♑	
evening set	-10953 Mar 17 j 22:23	21°♑29'23	
asc. node	-10953 Mar 26 j 09:31	26°♑56'00	
	-10953 Mar 31 j 03:26	0°♒	
max. Earth dist.	-10953 Apr 15 j 01:37	9°♒42'55	2.62005 AU
conjunction	-10953 May 05 j 05:05	23°♒00'43	0°23'47
minimum elong	-10953 May 05 j 04:08	22°♒59'08	0°23'22
	-10953 May 15 j 15:46	0°♓	
morning rise	-10953 Jun 22 j 05:38	25°♓42'39	
	-10953 Jun 28 j 08:57	0°♈	
	-10953 Aug 09 j 08:21	0°♉	
	-10953 Sep 18 j 23:11	0°♊	
	-10953 Oct 28 j 19:55	0°♋	
	-10953 Dec 07 j 19:25	0°♌	
	-10952 Jan 18 j 05:17	0°♍	
desc. node	-10952 Feb 16 j 20:44	20°♍01'59	
	-10952 Mar 03 j 18:50	0°♎	
	-10952 May 12 j 21:13	0°♏	
retrograde	-10952 May 24 j 00:08	0°♏50'38	
	-10952 Jun 03 j 20:26	30°℞♎	
min. Earth dist.	-10952 Jun 25 j 06:35	23°♎52'43	0.55598 AU
opposition	-10952 Jul 01 j 23:27	21°♎18'06	-5°29'28
greatest brilliancy	-10952 Jun 30 j 17:38	21°♎46'49	-1.8m
direct	-10952 Aug 06 j 17:36	13°♎16'21	
	-10952 Oct 06 j 00:04	0°♏	
	-10952 Dec 02 j 10:05	0°♐	
	-10951 Jan 22 j 07:01	0°♑	
asc. node	-10951 Feb 10 j 09:24	11°♑44'16	
	-10951 Mar 11 j 08:47	0°♒	
	-10951 Apr 26 j 01:28	0°♓	
evening set	-10951 Apr 27 j 11:17	0°♓57'01	
max. Earth dist.	-10951 May 15 j 06:31	13°♓05'40	2.52897 AU
	-10951 Jun 08 j 10:31	0°♈	
conjunction	-10951 Jun 17 j 14:12	6°♈31'53	1°05'20
minimum elong	-10951 Jun 17 j 12:32	6°♈28'54	1°05'20
	-10951 Jul 19 j 17:40	0°♉	
morning rise	-10951 Aug 10 j 00:23	15°♉57'04	
	-10951 Aug 28 j 11:16	0°♊	
	-10951 Oct 06 j 08:12	0°♋	
	-10951 Nov 14 j 04:36	0°♌	
	-10951 Dec 23 j 23:04	0°♍	
desc. node	-10950 Jan 03 j 16:59	7°♍53'36	
	-10950 Feb 03 j 18:29	0°♎	
	-10950 Mar 21 j 10:46	0°♏	
	-10950 May 16 j 15:47	0°♐	
retrograde	-10950 Jul 01 j 13:51	11°♐08'17	
min. Earth dist.	-10950 Aug 07 j 11:05	2°♐27'06	0.64036 AU
opposition	-10950 Aug 10 j 13:19	1°♐12'33	-4°38'36
greatest brilliancy	-10950 Aug 10 j 02:27	1°♐23'27	-1.5m
	-10950 Aug 13 j 14:06	30°℞♏	
direct	-10950 Sep 18 j 05:03	22°♏01'27	
	-10950 Oct 27 j 18:48	0°♐	
asc. node	-10950 Dec 29 j 13:26	29°♐40'00	
	-10950 Dec 30 j 03:57	0°♑	
	-10949 Feb 19 j 05:35	0°♒	
	-10949 Apr 06 j 21:09	0°♓	
	-10949 May 20 j 09:48	0°♈	
evening set	-10949 Jun 15 j 11:22	18°♈51'36	
	-10949 Jun 30 j 11:33	0°♉	
max. Earth dist.	-10949 Jul 09 j 08:21	6°♉39'58	2.41075 AU
	-10949 Aug 08 j 19:57	0°♊	
conjunction	-10949 Aug 12 j 01:41	2°♊30'34	1°04'00
minimum elong	-10949 Aug 12 j 04:12	2°♊35'26	1°04'31
	-10949 Sep 16 j 06:50	0°♋	
morning rise	-10949 Oct 14 j 02:20	21°♋44'29	
	-10949 Oct 24 j 17:32	0°♌	
desc. node	-10949 Nov 21 j 09:58	21°♌13'56	
	-10949 Dec 03 j 01:07	0°♍	
	-10948 Jan 13 j 01:17	0°♎	
	-10948 Feb 25 j 13:58	0°♏	
	-10948 Apr 12 j 20:33	0°♐	
	-10948 Jun 07 j 09:51	0°♑	
retrograde	-10948 Aug 04 j 20:15	16°♑01'30	
opposition	-10948 Sep 13 j 10:41	6°♑26'06	-2°25'26
greatest brilliancy	-10948 Sep 13 j 12:41	6°♑24'05	-1.4m
min. Earth dist.	-10948 Sep 14 j 03:02	6°♑09'42	0.66512 AU
	-10948 Oct 01 j 02:29	30°℞♐	
direct	-10948 Oct 23 j 19:55	26°♐37'09	
asc. node	-10948 Nov 15 j 18:56	29°♐35'10	
	-10948 Nov 17 j 10:52	0°♑	
	-10947 Jan 25 j 03:45	0°♒	
	-10947 Mar 15 j 23:29	0°♓	
	-10947 Apr 29 j 11:46	0°♈	
	-10947 Jun 09 j 19:50	0°♉	
	-10947 Jul 19 j 04:16	0°♊	
evening set	-10947 Aug 14 j 14:33	20°♊37'16	
	-10947 Aug 26 j 13:31	0°♋	
	-10947 Oct 03 j 22:55	0°♌	
desc. node	-10947 Oct 08 j 04:24	3°♌16'22	
conjunction	-10947 Oct 16 j 13:24	9°♌43'41	-0°06'24
minimum elong	-10947 Oct 16 j 12:51	9°♌42'38	0°05'54
behind sun begin	-10947 Oct 15 j 11:29	8°♌53'53	
behind sun end	-10947 Oct 17 j 14:13	10°♌31'21	
	-10947 Nov 12 j 05:43	0°♍	
max. Earth dist.	-10947 Nov 29 j 19:12	13°♍03'19	2.42944 AU
morning rise	-10947 Dec 18 j 12:55	26°♍41'53	
	-10947 Dec 23 j 03:16	0°♎	
	-10946 Feb 04 j 04:19	0°♏	
	-10946 Mar 21 j 17:38	0°♐	
	-10946 May 09 j 10:55	0°♑	
	-10946 Jul 03 j 11:46	0°♒	
retrograde	-10946 Sep 10 j 18:20	20°♒43'23	
asc. node	-10946 Oct 03 j 22:16	17°♒14'12	
opposition	-10946 Oct 18 j 22:58	11°♒53'34	0°37'55
greatest brilliancy	-10946 Oct 19 j 01:02	11°♒51'33	-1.5m
min. Earth dist.	-10946 Oct 23 j 07:35	10°♒11'13	0.62851 AU
direct	-10946 Nov 28 j 18:49	1°♒56'17	
	-10945 Feb 17 j 14:20	0°♓	
	-10945 Apr 07 j 00:43	0°♈	
	-10945 May 19 j 16:16	0°♉	
	-10945 Jun 28 j 14:46	0°♊	
	-10945 Aug 06 j 08:50	0°♋	
desc. node	-10945 Aug 26 j 03:39	15°♋22'35	
	-10945 Sep 14 j 01:52	0°♌	
evening set	-10945 Oct 18 j 08:59	26°♌02'46	
	-10945 Oct 23 j 16:07	0°♍	
	-10945 Dec 03 j 20:06	0°♎	
conjunction	-10945 Dec 15 j 10:11	8°♎11'58	-1°05'47
minimum elong	-10945 Dec 15 j 08:08	8°♎08'22	1°05'48
	-10944 Jan 15 j 23:25	0°♏	
max. Earth dist.	-10944 Jan 17 j 14:14	1°♏05'51	2.55001 AU
morning rise	-10944 Feb 08 j 07:43	15°♏40'14	
	-10944 Mar 01 j 03:21	0°♐	
	-10944 Apr 17 j 04:30	0°♑	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-10944 Jun 05 j 05:21	0°♒		
	-10944 Jul 28 j 00:26	0°♓		
asc. node	-10944 Aug 20 j 21:28	11°♓59'01		
	-10944 Oct 16 j 04:53	0°♈		
retrograde	-10944 Oct 24 j 05:42	0°♈23'35		
	-10944 Nov 01 j 02:31	30°♓℞		
opposition	-10944 Nov 28 j 20:24	22°♓50'55	4°20'24	
greatest brilliancy	-10944 Nov 29 j 21:30	22°♓28'07	-1.9m	
min. Earth dist.	-10944 Dec 06 j 09:41	20°♓06'48	0.53518 AU	
direct	-10943 Jan 07 j 02:53	13°♓41'12		
	-10943 Mar 03 j 16:18	0°♈		
	-10943 Apr 22 j 17:37	0°♉		
	-10943 Jun 04 j 04:07	0°♊		
desc. node	-10943 Jul 13 j 06:23	29°♊12'27		
	-10943 Jul 14 j 07:33	0°♋		
	-10943 Aug 23 j 01:26	0°♌		
	-10943 Oct 02 j 12:39	0°♍		
	-10943 Nov 13 j 10:04	0°♎		
evening set	-10943 Dec 10 j 00:58	18°♎26'18		
	-10943 Dec 27 j 01:57	0°♏		
conjunction	-10942 Jan 30 j 21:29	23°♏06'58	-1°11'08	
minimum elong	-10942 Jan 30 j 22:27	23°♏08'34	1°11'34	
	-10942 Feb 10 j 10:20	0°♐		
max. Earth dist.	-10942 Feb 15 j 02:46	3°♐02'45	2.63317 AU	
morning rise	-10942 Mar 21 j 07:33	25°♐03'56		
	-10942 Mar 29 j 01:04	0°♑		
	-10942 May 15 j 09:02	0°♒		
	-10942 Jul 02 j 04:45	0°♓		
asc. node	-10942 Jul 08 j 16:26	4°♓02'04		
	-10942 Aug 20 j 03:07	0°♈		
	-10942 Oct 12 j 04:15	0°♉		
retrograde	-10942 Dec 25 j 14:03	24°♉06'34		
opposition	-10941 Jan 26 j 06:42	18°♉30'03	6°49'52	
greatest brilliancy	-10941 Jan 27 j 20:02	18°♉02'20	-2.6m	
min. Earth dist.	-10941 Feb 01 j 16:26	16°♉36'40	0.41654 AU	
direct	-10941 Mar 01 j 03:05	12°♉00'26		
	-10941 Apr 27 j 13:38	0°♊		
desc. node	-10941 May 31 j 10:15	20°♊06'55		
	-10941 Jun 15 j 12:41	0°♋		
	-10941 Jul 29 j 06:08	0°♌		
	-10941 Sep 10 j 06:01	0°♍		
	-10941 Oct 23 j 21:47	0°♎		
	-10941 Dec 07 j 18:38	0°♏		
evening set	-10940 Jan 22 j 23:11	0°♐05'08		
	-10940 Jan 22 j 20:00	0°♐		
	-10940 Mar 09 j 14:43	0°♑		
conjunction	-10940 Mar 11 j 14:33	1°♑16'30	-0°41'45	
minimum elong	-10940 Mar 11 j 15:58	1°♑18'46	0°42'21	
max. Earth dist.	-10940 Mar 11 j 07:54	1°♑05'51	2.66478 AU	
	-10940 Apr 25 j 09:44	0°♒		
morning rise	-10940 Apr 27 j 14:00	1°♒24'10		
asc. node	-10940 May 25 j 08:45	19°♒23'35		
	-10940 Jun 10 j 14:32	0°♓		
	-10940 Jul 25 j 23:02	0°♈		
	-10940 Sep 08 j 15:08	0°♉		
	-10940 Oct 23 j 05:36	0°♊		
	-10940 Dec 08 j 08:02	0°♋		
	-10939 Feb 01 j 17:28	0°♌		
retrograde	-10939 Mar 11 j 19:41	8°♌40'06		
min. Earth dist.	-10939 Apr 08 j 10:14	4°♌03'42	0.39695 AU	
opposition	-10939 Apr 13 j 13:28	2°♌35'02	0°18'54	
greatest brilliancy	-10939 Apr 13 j 12:23	2°♌35'48	-2.8m	
desc. node	-10939 Apr 17 j 15:41	1°♌25'27		
	-10939 Apr 23 j 01:50	30°♋℞		
direct	-10939 May 14 j 01:37	27°♋14'03		

	-10939 Jun 04 j 10:28	0°♌		
	-10939 Aug 09 j 23:25	0°♍		
	-10939 Sep 28 j 23:12	0°♎		
	-10939 Nov 15 j 22:07	0°♏		
	-10938 Jan 02 j 14:49	0°♐		
	-10938 Feb 19 j 03:47	0°♑		
evening set	-10938 Mar 02 j 16:04	7°♑18'51		
max. Earth dist.	-10938 Apr 04 j 23:49	28°♑41'08	2.64282 AU	
	-10938 Apr 07 j 00:33	0°♒		
asc. node	-10938 Apr 12 j 02:00	3°♒16'55		
conjunction	-10938 Apr 19 j 14:31	8°♒10'53	0°04'34	
minimum elong	-10938 Apr 19 j 14:21	8°♒10'37	0°04'03	
behind sun begin	-10938 Apr 18 j 19:05	7°♒39'11		
behind sun end	-10938 Apr 20 j 09:37	8°♒42'04		
	-10938 May 22 j 15:00	0°♓		
morning rise	-10938 Jun 05 j 17:48	9°♓30'01		
	-10938 Jul 05 j 15:18	0°♈		
	-10938 Aug 17 j 02:08	0°♉		
	-10938 Sep 27 j 07:49	0°♊		
	-10938 Nov 06 j 22:30	0°♋		
	-10938 Dec 17 j 21:26	0°♌		
	-10937 Jan 30 j 02:10	0°♍		
desc. node	-10937 Mar 05 j 16:45	21°♍09'51		
	-10937 Mar 23 j 00:36	0°♎		
retrograde	-10937 May 07 j 15:46	12°♎04'35		
min. Earth dist.	-10937 Jun 06 j 20:35	5°♎55'57	0.50939 AU	
greatest brilliancy	-10937 Jun 13 j 04:38	3°♎36'15	-2.1m	
opposition	-10937 Jun 14 j 13:53	3°♎05'35	-5°04'47	
	-10937 Jun 23 j 11:30	30°♍℞		
direct	-10937 Jul 18 j 20:51	25°♍43'17		
	-10937 Aug 15 j 06:29	0°♎		
	-10937 Oct 21 j 03:03	0°♏		
	-10937 Dec 12 j 12:15	0°♐		
	-10936 Jan 30 j 22:44	0°♑		
asc. node	-10936 Feb 28 j 00:04	17°♑33'18		
	-10936 Mar 18 j 12:04	0°♒		
evening set	-10936 Apr 10 j 18:54	15°♒09'22		
max. Earth dist.	-10936 May 01 j 23:00	29°♒14'46	2.56968 AU	
	-10936 May 03 j 01:52	0°♓		
conjunction	-10936 May 30 j 09:55	18°♓41'47	0°51'48	
minimum elong	-10936 May 30 j 08:06	18°♓38'39	0°51'36	
	-10936 Jun 15 j 13:09	0°♈		
morning rise	-10936 Jul 20 j 02:06	24°♈52'22		
	-10936 Jul 27 j 01:24	0°♉		
	-10936 Sep 05 j 01:38	0°♊		
	-10936 Oct 14 j 05:46	0°♋		
	-10936 Nov 22 j 09:35	0°♌		
	-10935 Jan 01 j 13:34	0°♍		
desc. node	-10935 Jan 20 j 12:15	13°♍38'28		
	-10935 Feb 13 j 03:25	0°♎		
	-10935 Apr 02 j 04:26	0°♏		
retrograde	-10935 Jun 17 j 07:00	26°♏37'24		
min. Earth dist.	-10935 Jul 22 j 12:23	18°♏32'30	0.61392 AU	
greatest brilliancy	-10935 Jul 26 j 07:34	17°♏01'51	-1.6m	
opposition	-10935 Jul 27 j 02:00	16°♏43'30	-5°11'57	
direct	-10935 Sep 02 j 18:06	7°♏55'11		
	-10935 Nov 14 j 00:48	0°♐		
	-10934 Jan 08 j 13:08	0°♑		
asc. node	-10934 Jan 15 j 03:08	3°♑51'01		
	-10934 Feb 27 j 01:20	0°♒		
	-10934 Apr 14 j 05:25	0°♓		
evening set	-10934 May 26 j 03:14	28°♓55'15		
	-10934 May 27 j 15:41	0°♈		
max. Earth dist.	-10934 Jun 11 j 10:52	10°♈37'28	2.45651 AU	
	-10934 Jul 07 j 18:49	0°♉		

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

conjunction	-10934 Jul 19 j 18:36	9°♉00'24	1°12'49
minimum elong	-10934 Jul 19 j 19:01	9°♉01'12	1°13'09
	-10934 Aug 16 j 05:55	0°♊	
morning rise	-10934 Sep 17 j 01:35	24°♊43'38	
	-10934 Sep 23 j 19:39	0°♋	
	-10934 Nov 01 j 08:42	0°♌	
desc. node	-10934 Dec 08 j 05:54	28°♌06'29	
	-10934 Dec 10 j 18:35	0°♍	
	-10933 Jan 20 j 22:55	0°♎	
	-10933 Mar 05 j 23:01	0°♏	
	-10933 Apr 23 j 20:38	0°♐	
	-10933 Jun 30 j 22:46	0°♑	
retrograde	-10933 Jul 23 j 05:10	2°♑54'32	
	-10933 Aug 13 j 00:30	30°℞♐	
min. Earth dist.	-10933 Aug 31 j 07:42	23°♐26'45	0.66280 AU
opposition	-10933 Sep 01 j 02:24	23°♐07'55	-3°23'44
greatest brilliancy	-10933 Sep 01 j 00:56	23°♐09'24	-1.4m
direct	-10933 Oct 10 j 22:53	13°♐30'36	
asc. node	-10933 Dec 03 j 08:30	26°♐53'48	
	-10933 Dec 10 j 10:23	0°♑	
	-10932 Feb 05 j 01:32	0°♒	
	-10932 Mar 24 j 04:32	0°♓	
	-10932 May 07 j 04:39	0°♈	
	-10932 Jun 17 j 09:05	0°♉	
evening set	-10932 Jul 20 j 09:01	25°♉06'35	
	-10932 Jul 26 j 16:44	0°♊	
	-10932 Sep 03 j 01:53	0°♋	
conjunction	-10932 Sep 20 j 07:07	13°♋30'16	0°26'07
minimum elong	-10932 Sep 20 j 09:28	13°♋34'51	0°26'41
	-10932 Oct 11 j 10:47	0°♌	
max. Earth dist.	-10932 Oct 16 j 19:13	4°♌08'43	2.38888 AU
desc. node	-10932 Oct 24 j 23:55	10°♌27'47	
	-10932 Nov 19 j 16:35	0°♍	
morning rise	-10932 Nov 24 j 05:19	3°♍23'39	
	-10932 Dec 30 j 13:26	0°♎	
	-10931 Feb 11 j 16:03	0°♏	
	-10931 Mar 29 j 14:50	0°♐	
	-10931 May 18 j 18:38	0°♑	
	-10931 Jul 20 j 22:58	0°♒	
retrograde	-10931 Aug 26 j 21:32	7°♒07'47	
	-10931 Sep 29 j 13:02	30°℞♑	
opposition	-10931 Oct 04 j 18:37	27°♑57'04	-0°38'35
greatest brilliancy	-10931 Oct 04 j 20:35	27°♑55'07	-1.5m
min. Earth dist.	-10931 Oct 07 j 17:23	26°♑46'54	0.65011 AU
asc. node	-10931 Oct 20 j 13:25	22°♑05'15	
direct	-10931 Nov 14 j 14:51	17°♑58'36	
	-10930 Jan 02 j 22:04	0°♒	
	-10930 Feb 28 j 20:31	0°♓	
	-10930 Apr 16 j 01:22	0°♈	
	-10930 May 27 j 23:55	0°♉	
	-10930 Jul 06 j 14:41	0°♊	
	-10930 Aug 14 j 03:49	0°♋	
desc. node	-10930 Sep 11 j 20:17	22°♋22'30	
	-10930 Sep 21 j 16:30	0°♌	
evening set	-10930 Sep 24 j 00:23	1°♌47'51	
	-10930 Oct 31 j 02:29	0°♍	
conjunction	-10930 Nov 23 j 18:55	17°♍29'43	-0°49'24
minimum elong	-10930 Nov 23 j 16:05	17°♍24'34	0°49'10
	-10930 Dec 11 j 02:37	0°♎	
max. Earth dist.	-10929 Jan 02 j 19:35	16°♎01'01	2.50543 AU
morning rise	-10929 Jan 20 j 18:18	28°♎22'55	
	-10929 Jan 23 j 03:20	0°♏	
	-10929 Mar 09 j 08:23	0°♐	
	-10929 Apr 25 j 19:19	0°♑	
	-10929 Jun 15 j 05:09	0°♒	
	-10929 Aug 12 j 14:20	0°♓	
asc. node	-10929 Sep 07 j 14:09	9°♓32'32	
retrograde	-10929 Oct 06 j 11:28	14°♓04'53	
opposition	-10929 Nov 12 j 06:53	5°♓56'58	2°50'55
greatest brilliancy	-10929 Nov 12 j 20:51	5°♓43'47	-1.7m
min. Earth dist.	-10929 Nov 18 j 17:48	3°♓30'56	0.57785 AU
	-10929 Nov 28 j 23:51	30°℞♒	
direct	-10929 Dec 22 j 12:15	26°♒18'14	
	-10928 Jan 16 j 07:49	0°♓	
	-10928 Mar 19 j 10:53	0°♈	
	-10928 May 03 j 17:28	0°♉	
	-10928 Jun 13 j 17:14	0°♊	
	-10928 Jul 23 j 02:17	0°♋	
desc. node	-10928 Jul 29 j 22:28	5°♋15'08	
	-10928 Aug 31 j 06:48	0°♌	
	-10928 Oct 10 j 06:57	0°♍	
evening set	-10928 Nov 20 j 16:07	29°♍54'14	
	-10928 Nov 20 j 19:22	0°♎	
	-10927 Jan 03 j 04:30	0°♏	
conjunction	-10927 Jan 13 j 14:44	7°♏01'15	-1°14'23
minimum elong	-10927 Jan 13 j 14:46	7°♏01'18	1°14'43
max. Earth dist.	-10927 Feb 04 j 15:54	21°♏39'38	2.60652 AU
	-10927 Feb 17 j 09:30	0°♐	
morning rise	-10927 Mar 05 j 18:11	10°♐36'29	
	-10927 Apr 05 j 01:54	0°♑	
	-10927 May 22 j 20:43	0°♒	
	-10927 Jul 10 j 21:59	0°♓	
asc. node	-10927 Jul 25 j 10:12	8°♓37'03	
	-10927 Sep 01 j 05:03	0°♈	
	-10927 Nov 17 j 01:14	0°♉	
retrograde	-10927 Nov 28 j 09:35	0°♉45'58	
	-10927 Dec 09 j 08:22	30°℞♈	
opposition	-10927 Dec 31 j 14:34	24°♈21'53	6°23'13
greatest brilliancy	-10926 Jan 02 j 07:13	23°♈48'33	-2.3m
min. Earth dist.	-10926 Jan 08 j 14:15	21°♈45'21	0.46117 AU
direct	-10926 Feb 06 j 04:18	16°♈34'56	
	-10926 Mar 26 j 14:53	0°♉	
	-10926 May 16 j 05:41	0°♊	
desc. node	-10926 Jun 17 j 03:22	22°♊05'59	
	-10926 Jun 28 j 04:25	0°♋	
	-10926 Aug 08 j 13:06	0°♌	
	-10926 Sep 19 j 03:35	0°♍	
	-10926 Oct 31 j 21:16	0°♎	
	-10926 Dec 15 j 03:20	0°♏	
evening set	-10925 Jan 06 j 16:47	14°♏54'57	
	-10925 Jan 29 j 19:59	0°♐	
conjunction	-10925 Feb 25 j 06:50	17°♐03'35	-0°55'56
minimum elong	-10925 Feb 25 j 08:23	17°♐06'06	0°56'30
max. Earth dist.	-10925 Mar 02 j 18:20	20°♐34'38	2.65877 AU
	-10925 Mar 17 j 11:30	0°♑	
morning rise	-10925 Apr 13 j 21:49	17°♑32'02	
	-10925 May 03 j 09:30	0°♒	
asc. node	-10925 Jun 12 j 02:46	25°♒31'06	
	-10925 Jun 19 j 01:24	0°♓	
	-10925 Aug 04 j 08:45	0°♈	
	-10925 Sep 19 j 19:29	0°♉	
	-10925 Nov 06 j 23:22	0°♊	
	-10924 Jan 03 j 14:54	0°♋	
retrograde	-10924 Feb 11 j 19:04	8°♋39'20	
opposition	-10924 Mar 13 j 18:15	3°♋25'55	3°56'40
min. Earth dist.	-10924 Mar 13 j 10:54	3°♋30'52	0.38306 AU
greatest brilliancy	-10924 Mar 13 j 21:46	3°♋23'33	-2.9m
	-10924 Mar 27 j 19:53	30°℞♊	
direct	-10924 Apr 13 j 07:45	28°♊18'17	
	-10924 Apr 29 j 14:15	0°♋	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

desc. node	-10924 May 04 j 07:42	1°♋04'20	
	-10924 Jul 06 j 04:43	0°♌	
	-10924 Aug 23 j 12:33	0°♍	
	-10924 Oct 08 j 18:33	0°♎	
	-10924 Nov 24 j 02:08	0°♏	
	-10923 Jan 09 j 23:02	0°♐	
evening set	-10923 Feb 15 j 10:41	23°♐12'40	
	-10923 Feb 26 j 02:38	0°♑	
max. Earth dist.	-10923 Mar 26 j 10:34	18°♑06'43	2.65770 AU
conjunction	-10923 Apr 04 j 09:24	23°♑52'10	-0°14'29
minimum elong	-10923 Apr 04 j 10:00	23°♑53'06	0°15'04
behind sun begin	-10923 Apr 04 j 03:55	23°♑43'20	
behind sun end	-10923 Apr 04 j 16:04	24°♑02'54	
	-10923 Apr 13 j 21:17	0°♒	
asc. node	-10923 Apr 28 j 19:22	9°♒41'24	
morning rise	-10923 May 21 j 03:32	24°♒21'23	
	-10923 May 29 j 15:49	0°♓	
	-10923 Jul 13 j 01:53	0°♈	
	-10923 Aug 25 j 04:13	0°♉	
	-10923 Oct 06 j 06:49	0°♊	
	-10923 Nov 17 j 01:22	0°♋	
	-10923 Dec 29 j 19:43	0°♌	
	-10922 Feb 15 j 13:45	0°♍	
desc. node	-10922 Mar 22 j 09:54	15°♍48'59	
retrograde	-10922 Apr 18 j 03:39	20°♍27'38	
min. Earth dist.	-10922 May 16 j 10:43	15°♍07'38	0.46038 AU
greatest brilliancy	-10922 May 23 j 06:37	12°♍47'39	-2.4m
opposition	-10922 May 24 j 11:00	12°♍23'15	-3°53'15
direct	-10922 Jun 26 j 05:00	5°♍47'39	
	-10922 Sep 08 j 08:31	0°♎	
	-10922 Oct 31 j 23:13	0°♏	
	-10922 Dec 20 j 19:32	0°♐	
	-10921 Feb 07 j 07:10	0°♑	
asc. node	-10921 Mar 16 j 15:53	23°♑40'07	
evening set	-10921 Mar 26 j 20:54	0°♒14'25	
	-10921 Mar 26 j 11:58	0°♒	
max. Earth dist.	-10921 Apr 21 j 09:10	16°♒54'06	2.60403 AU
	-10921 May 11 j 00:57	0°♓	
conjunction	-10921 May 14 j 12:14	2°♓20'18	0°34'37
minimum elong	-10921 May 14 j 10:53	2°♓18'01	0°34'16
	-10921 Jun 23 j 16:12	0°♈	
morning rise	-10921 Jul 02 j 06:41	6°♈04'22	
	-10921 Aug 04 j 11:47	0°♉	
	-10921 Sep 13 j 21:07	0°♊	
	-10921 Oct 23 j 11:18	0°♋	
	-10921 Dec 02 j 02:08	0°♌	
	-10920 Jan 11 j 21:32	0°♍	
desc. node	-10920 Feb 07 j 08:18	18°♍26'06	
	-10920 Feb 24 j 21:32	0°♎	
	-10920 Apr 19 j 01:25	0°♏	
retrograde	-10920 Jun 02 j 04:30	10°♏56'15	
min. Earth dist.	-10920 Jul 05 j 13:06	3°♏33'17	0.57871 AU
greatest brilliancy	-10920 Jul 10 j 10:48	1°♏38'27	-1.7m
opposition	-10920 Jul 11 j 12:58	1°♏12'54	-5°29'33
	-10920 Jul 14 j 16:31	30°℞♎	
direct	-10920 Aug 17 j 01:11	22°♎52'48	
	-10920 Sep 22 j 18:25	0°♏	
	-10920 Nov 25 j 21:07	0°♐	
	-10919 Jan 17 j 00:17	0°♑	
asc. node	-10919 Jan 31 j 17:29	8°♑54'52	
	-10919 Mar 06 j 12:48	0°♒	
	-10919 Apr 21 j 09:33	0°♓	
evening set	-10919 May 07 j 12:19	10°♓56'56	
max. Earth dist.	-10919 May 23 j 22:29	22°♓20'18	2.50379 AU
	-10919 Jun 03 j 19:13	0°♈	
conjunction	-10919 Jun 28 j 17:36	17°♈58'09	1°10'29
minimum elong	-10919 Jun 28 j 16:25	17°♈55'59	1°10'37
	-10919 Jul 15 j 01:06	0°♉	
morning rise	-10919 Aug 23 j 02:05	29°♉32'45	
	-10919 Aug 23 j 16:16	0°♊	
	-10919 Oct 01 j 10:26	0°♋	
	-10919 Nov 09 j 03:40	0°♌	
	-10919 Dec 18 j 17:57	0°♍	
desc. node	-10919 Dec 25 j 01:42	4°♍40'53	
	-10918 Jan 29 j 05:52	0°♎	
	-10918 Mar 15 j 01:49	0°♏	
	-10918 May 06 j 04:57	0°♐	
retrograde	-10918 Jul 09 j 13:18	19°♐29'43	
min. Earth dist.	-10918 Aug 16 j 06:52	10°♐30'40	0.65101 AU
opposition	-10918 Aug 18 j 13:14	9°♐35'59	-4°13'54
greatest brilliancy	-10918 Aug 18 j 06:12	9°♐43'03	-1.4m
direct	-10918 Sep 26 j 16:39	0°♐14'19	
asc. node	-10918 Dec 19 j 22:34	28°♐14'09	
	-10918 Dec 23 j 07:47	0°♑	
	-10917 Feb 13 j 20:41	0°♒	
	-10917 Apr 01 j 23:42	0°♓	
	-10917 May 15 j 16:30	0°♈	
	-10917 Jun 25 j 19:27	0°♉	
evening set	-10917 Jun 27 j 20:16	1°♉31'27	
max. Earth dist.	-10917 Aug 02 j 07:24	28°♉34'45	2.39064 AU
	-10917 Aug 04 j 03:26	0°♊	
conjunction	-10917 Aug 26 j 04:27	17°♊10'21	0°53'24
minimum elong	-10917 Aug 26 j 07:40	17°♊16'38	0°53'56
	-10917 Sep 11 j 13:20	0°♋	
	-10917 Oct 19 j 22:41	0°♌	
morning rise	-10917 Oct 29 j 16:01	7°♌31'09	
desc. node	-10917 Nov 11 j 19:13	17°♌35'24	
	-10917 Nov 28 j 04:35	0°♍	
	-10916 Jan 08 j 02:20	0°♎	
	-10916 Feb 20 j 09:19	0°♏	
	-10916 Apr 07 j 00:11	0°♐	
	-10916 May 29 j 17:48	0°♑	
retrograde	-10916 Aug 12 j 18:39	23°♑57'48	
opposition	-10916 Sep 21 j 04:21	14°♑30'16	-1°48'07
greatest brilliancy	-10916 Sep 21 j 07:11	14°♑27'26	-1.4m
min. Earth dist.	-10916 Sep 22 j 16:20	13°♑54'17	0.66250 AU
direct	-10916 Oct 31 j 19:16	4°♑36'38	
asc. node	-10916 Nov 06 j 03:24	4°♑47'10	
	-10915 Jan 17 j 19:31	0°♒	
	-10915 Mar 10 j 08:57	0°♓	
	-10915 Apr 24 j 09:44	0°♈	
	-10915 Jun 04 j 22:53	0°♉	
	-10915 Jul 14 j 09:30	0°♊	
	-10915 Aug 21 j 19:54	0°♋	
evening set	-10915 Aug 29 j 04:36	5°♋46'17	
desc. node	-10915 Sep 28 j 16:04	29°♋33'20	
	-10915 Sep 29 j 05:50	0°♌	
conjunction	-10915 Oct 30 j 21:09	24°♌14'24	-0°23'54
minimum elong	-10915 Oct 30 j 19:12	24°♌10'44	0°23'29
	-10915 Nov 07 j 12:40	0°♍	
max. Earth dist.	-10915 Dec 14 j 17:48	27°♍21'50	2.45619 AU
	-10915 Dec 18 j 09:54	0°♎	
morning rise	-10915 Dec 31 j 05:36	9°♎07'00	
	-10914 Jan 30 j 09:15	0°♏	
	-10914 Mar 16 j 17:43	0°♐	
	-10914 May 03 j 20:17	0°♑	
	-10914 Jun 25 j 13:29	0°♒	
retrograde	-10914 Sep 19 j 17:24	29°♒13'47	
asc. node	-10914 Sep 24 j 05:53	29°♒05'56	
opposition	-10914 Oct 27 j 11:53	20°♒37'27	1°25'01

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

greatest brilliancy	-10914 Oct 27 j 17:21	20°♒32'10	-1.6m
min. Earth dist.	-10914 Nov 01 j 15:24	18°♒37'57	0.61284 AU
direct	-10914 Dec 07 j 05:13	10°♒43'59	
	-10913 Feb 08 j 20:38	0°♓	
	-10913 Mar 31 j 19:43	0°♈	
	-10913 May 14 j 04:22	0°♉	
	-10913 Jun 23 j 10:14	0°♊	
	-10913 Aug 01 j 08:48	0°♋	
desc. node	-10913 Aug 16 j 15:40	11°♋50'33	
	-10913 Sep 09 j 05:04	0°♌	
	-10913 Oct 18 j 21:46	0°♍	
evening set	-10913 Oct 31 j 07:45	9°♍10'01	
	-10913 Nov 29 j 03:39	0°♎	
conjunction	-10913 Dec 26 j 20:24	19°♎24'25	-1°11'07
minimum elong	-10913 Dec 26 j 19:06	19°♎22'10	1°11'16
	-10912 Jan 11 j 07:42	0°♏	
max. Earth dist.	-10912 Jan 25 j 01:19	9°♏15'47	2.57192 AU
morning rise	-10912 Feb 18 j 06:42	25°♏18'54	
	-10912 Feb 25 j 10:44	0°♐	
	-10912 Apr 12 j 07:03	0°♑	
	-10912 May 30 j 18:08	0°♒	
	-10912 Jul 20 j 18:22	0°♓	
asc. node	-10912 Aug 11 j 03:36	11°♓40'36	
	-10912 Sep 18 j 21:57	0°♈	
retrograde	-10912 Nov 05 j 00:47	10°♈54'53	
opposition	-10912 Dec 09 j 20:23	3°♈44'50	5°09'39
greatest brilliancy	-10912 Dec 11 j 04:15	3°♈16'45	-2.1m
min. Earth dist.	-10912 Dec 17 j 19:46	0°♈56'38	0.50948 AU
	-10912 Dec 20 j 14:59	30°♓℞	
direct	-10911 Jan 17 j 09:08	24°♓58'28	
	-10911 Feb 14 j 21:21	0°♈	
	-10911 Apr 14 j 17:14	0°♉	
	-10911 May 28 j 16:39	0°♊	
desc. node	-10911 Jul 03 j 18:33	26°♊28'05	
	-10911 Jul 08 j 12:21	0°♋	
	-10911 Aug 17 j 16:22	0°♌	
	-10911 Sep 27 j 10:45	0°♍	
	-10911 Nov 08 j 13:40	0°♎	
evening set	-10911 Dec 20 j 10:26	28°♎41'28	
	-10911 Dec 22 j 09:10	0°♏	
	-10910 Feb 05 j 19:30	0°♐	
conjunction	-10910 Feb 09 j 08:41	2°♐18'27	-1°06'47
minimum elong	-10910 Feb 09 j 10:01	2°♐20'37	1°07'17
max. Earth dist.	-10910 Feb 21 j 00:22	9°♐51'16	2.64448 AU
	-10910 Mar 24 j 09:30	0°♑	
morning rise	-10910 Mar 30 j 00:52	3°♑36'01	
	-10910 May 10 j 12:50	0°♒	
	-10910 Jun 26 j 20:33	0°♓	
asc. node	-10910 Jun 28 j 21:46	1°♓17'49	
	-10910 Aug 13 j 14:22	0°♈	
	-10910 Oct 02 j 06:08	0°♉	
	-10910 Nov 30 j 07:30	0°♊	
retrograde	-10909 Jan 11 j 13:29	9°♊25'55	
opposition	-10909 Feb 11 j 13:22	4°♊09'29	6°22'29
greatest brilliancy	-10909 Feb 12 j 17:09	3°♊50'05	-2.7m
min. Earth dist.	-10909 Feb 16 j 04:24	2°♊52'16	0.39812 AU
	-10909 Feb 27 j 22:03	30°♉℞	
direct	-10909 Mar 15 j 20:56	28°♉20'29	
	-10909 Mar 31 j 20:51	0°♊	
desc. node	-10909 May 21 j 23:39	21°♊22'01	
	-10909 Jun 05 j 16:32	0°♋	
	-10909 Jul 22 j 01:36	0°♌	
	-10909 Sep 04 j 06:03	0°♍	
	-10909 Oct 18 j 13:59	0°♎	
	-10909 Dec 02 j 20:16	0°♏	
	-10908 Jan 18 j 03:14	0°♐	
evening set	-10908 Feb 01 j 00:09	8°♐53'56	
	-10908 Mar 05 j 00:20	0°♑	
max. Earth dist.	-10908 Mar 16 j 21:02	7°♑35'00	2.66451 AU
conjunction	-10908 Mar 20 j 07:16	9°♑46'35	-0°32'18
minimum elong	-10908 Mar 20 j 08:27	9°♑48'29	0°32'54
	-10908 Apr 20 j 18:49	0°♒	
morning rise	-10908 May 06 j 02:23	9°♒54'46	
asc. node	-10908 May 15 j 14:05	16°♒05'13	
	-10908 Jun 05 j 19:27	0°♓	
	-10908 Jul 20 j 18:39	0°♈	
	-10908 Sep 02 j 18:41	0°♉	
	-10908 Oct 16 j 05:43	0°♊	
	-10908 Nov 29 j 03:18	0°♋	
	-10907 Jan 15 j 10:18	0°♌	
retrograde	-10907 Mar 26 j 11:26	25°♌03'28	
desc. node	-10907 Apr 08 j 03:22	23°♌56'05	
min. Earth dist.	-10907 Apr 22 j 17:19	20°♌19'53	0.41579 AU
opposition	-10907 Apr 29 j 12:18	18°♌14'55	-1°33'13
greatest brilliancy	-10907 Apr 29 j 01:30	18°♌23'15	-2.7m
direct	-10907 May 30 j 18:47	12°♌29'49	
	-10907 Jul 29 j 13:10	0°♍	
	-10907 Sep 21 j 23:45	0°♎	
	-10907 Nov 10 j 07:49	0°♏	
	-10907 Dec 28 j 15:14	0°♐	
	-10906 Feb 14 j 11:02	0°♑	
evening set	-10906 Mar 11 j 09:44	15°♑50'25	
asc. node	-10906 Apr 02 j 08:52	29°♑57'25	
	-10906 Apr 02 j 10:28	0°♒	
max. Earth dist.	-10906 Apr 10 j 20:36	5°♒27'54	2.63125 AU
conjunction	-10906 Apr 28 j 11:30	17°♒00'27	0°15'41
minimum elong	-10906 Apr 28 j 10:53	16°♒59'25	0°15'12
behind sun begin	-10906 Apr 28 j 04:53	16°♒49'33	
behind sun end	-10906 Apr 28 j 16:52	17°♒09'18	
	-10906 May 18 j 00:35	0°♓	
morning rise	-10906 Jun 15 j 00:54	19°♓00'49	
	-10906 Jun 30 j 21:36	0°♈	
	-10906 Aug 12 j 02:38	0°♉	
	-10906 Sep 21 j 23:54	0°♊	
	-10906 Nov 01 j 03:53	0°♋	
	-10906 Dec 11 j 11:45	0°♌	
	-10905 Jan 22 j 11:02	0°♍	
desc. node	-10905 Feb 24 j 02:12	21°♍22'10	
	-10905 Mar 10 j 16:20	0°♎	
retrograde	-10905 May 17 j 19:19	23°♎30'17	
min. Earth dist.	-10905 Jun 18 j 03:34	16°♎54'20	0.53592 AU
greatest brilliancy	-10905 Jun 24 j 01:08	14°♎40'46	-1.9m
opposition	-10905 Jun 25 j 09:14	14°♎10'24	-5°23'45
direct	-10905 Jul 30 j 12:49	6°♎25'14	
	-10905 Oct 12 j 19:47	0°♏	
	-10905 Dec 06 j 16:31	0°♐	
	-10904 Jan 25 j 21:46	0°♑	
asc. node	-10904 Feb 18 j 08:14	14°♑31'12	
	-10904 Mar 13 j 18:37	0°♒	
evening set	-10904 Apr 20 j 05:06	24°♒28'15	
	-10904 Apr 28 j 11:11	0°♓	
max. Earth dist.	-10904 May 09 j 08:15	7°♓22'08	2.54803 AU
conjunction	-10904 Jun 09 j 13:45	29°♓02'29	1°00'07
minimum elong	-10904 Jun 09 j 11:56	28°♓59'16	1°00'03
	-10904 Jun 10 j 22:17	0°♈	
	-10904 Jul 22 j 08:44	0°♉	
morning rise	-10904 Jul 31 j 15:25	6°♉53'39	
	-10904 Aug 31 j 05:45	0°♊	
	-10904 Oct 09 j 05:54	0°♋	

Attention, astronomical year style is used: The year -11399 in astronomical counting style is the year 11400 BCE in historical counting style.

	-10904 Nov 17 j 04:59	0°♌		
	-10904 Dec 27 j 02:02	0°♍		
desc. node	-10903 Jan 10 j 22:52	10°♍50'46		
	-10903 Feb 07 j 02:35	0°♎		
	-10903 Mar 25 j 10:53	0°♏		
	-10903 May 25 j 19:34	0°♐		
retrograde	-10903 Jun 25 j 14:44	5°♐30'57		
	-10903 Jul 24 j 04:42	30°℞♏		
min. Earth dist.	-10903 Jul 31 j 18:55	27°♏05'15	0.62971 AU	
opposition	-10903 Aug 04 j 13:00	25°♏35'10	-4°54'17	
greatest brilliancy	-10903 Aug 03 j 22:56	25°♏49'15	-1.5m	
direct	-10903 Sep 11 j 19:00	16°♏33'28		
	-10903 Nov 04 j 06:36	0°♐		
	-10902 Jan 02 j 13:08	0°♑		
asc. node	-10902 Jan 05 j 11:43	1°♑39'57		
	-10902 Feb 21 j 22:42	0°♒		
	-10902 Apr 09 j 10:33	0°♓		
	-10902 May 22 j 23:21	0°♈		
evening set	-10902 Jun 06 j 10:48	10°♈22'48		
max. Earth dist.	-10902 Jun 25 j 10:51	24°♈17'50	2.43050 AU	
	-10902 Jul 03 j 02:51	0°♉		
conjunction	-10902 Aug 01 j 15:55	22°♉23'21	1°09'20	
minimum elong	-10902 Aug 01 j 17:32	22°♉26'28	1°09'46	
	-10902 Aug 11 j 13:03	0°♊		
	-10902 Sep 19 j 01:24	0°♋		
morning rise	-10902 Oct 02 j 03:23	10°♋13'53		
	-10902 Oct 27 j 12:50	0°♌		
desc. node	-10902 Nov 28 j 16:21	24°♌36'18		
	-10902 Dec 05 j 20:25	0°♍		
	-10901 Jan 15 j 20:52	0°♎		
	-10901 Feb 28 j 11:53	0°♏		
	-10901 Apr 17 j 05:46	0°♐		
	-10901 Jun 14 j 14:57	0°♑		
retrograde	-10901 Jul 31 j 01:24	10°♑54'43		
opposition	-10901 Sep 08 j 19:41	1°♑13'53	-2°50'41	
greatest brilliancy	-10901 Sep 08 j 20:25	1°♑13'08	-1.4m	
min. Earth dist.	-10901 Sep 08 j 20:35	1°♑12'58	0.66529 AU	
	-10901 Sep 11 j 21:27	30°℞♐		
direct	-10901 Oct 19 j 00:09	21°♐29'30		
asc. node	-10901 Nov 23 j 16:49	28°♐08'28		
	-10901 Nov 29 j 00:20	0°♑		
	-10900 Jan 29 j 20:05	0°♒		
	-10900 Mar 18 j 22:40	0°♓		
	-10900 May 02 j 06:48	0°♈		
	-10900 Jun 12 j 14:24	0°♉		
	-10900 Jul 21 j 22:59	0°♊		
evening set	-10900 Aug 03 j 11:03	9°♊43'23		
	-10900 Aug 29 j 08:17	0°♋		
conjunction	-10900 Oct 05 j 05:11	28°♋50'16	0°07'50	
minimum elong	-10900 Oct 05 j 05:57	28°♋51'46	0°08'23	
behind sun begin	-10900 Oct 04 j 06:19	28°♋05'52		
behind sun end	-10900 Oct 06 j 05:35	29°♋37'38		
	-10900 Oct 06 j 17:07	0°♌		
desc. node	-10900 Oct 15 j 10:18	6°♌44'48		
	-10900 Nov 14 j 22:30	0°♍		
max. Earth dist.	-10900 Nov 14 j 22:04	29°♌59'10	2.40895 AU	
morning rise	-10900 Dec 08 j 07:38	17°♍21'04		
	-10900 Dec 25 j 18:29	0°♎		
	-10899 Feb 06 j 18:32	0°♏		
	-10899 Mar 24 j 09:45	0°♐		
	-10899 May 12 j 13:26	0°♑		
	-10899 Jul 08 j 18:58	0°♒		
retrograde	-10899 Sep 04 j 07:36	15°♒18'09		
asc. node	-10899 Oct 10 j 20:40	7°♒05'35		
opposition	-10899 Oct 12 j 20:38	6°♒18'31	0°04'58	
greatest brilliancy	-10899 Oct 12 j 20:55	6°♒18'14	-1.5m	
min. Earth dist.	-10899 Oct 16 j 14:31	4°♒50'03	0.63938 AU	
	-10899 Oct 30 j 02:59	30°℞♑		
direct	-10899 Nov 22 j 18:03	26°♑19'48		
	-10899 Dec 18 j 02:22	0°♒		