Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

conjunction	-10400 May 22 j 19:03	14°♓35'38	0°43'04
minimum elong	-10400 May 22 j 17:29	14°♓32'59	0°42'51
	-10400 Jun 14 j 06:20	0°♈	
morning rise	-10400 Jul 10 j 16:42	18°♈35'11	
	-10400 Jul 26 j 14:05	0°♉	
	-10400 Sep 05 j 07:23	0°♊	
	-10400 Oct 14 j 23:51	0°♋	
	-10400 Nov 23 j 09:43	0°♌	
	-10399 Jan 02 j 12:58	0°♍	
desc. node	-10399 Feb 01 j 16:34	21°♍35'33	
	-10399 Feb 13 j 22:20	0°♎	
	-10399 Apr 03 j 02:57	0°♏	
retrograde	-10399 Jun 11 j 11:35	23°♏25'24	
min. Earth dist.	-10399 Jul 15 j 04:15	15°♏53'37	0.58549 AU
opposition	-10399 Jul 20 j 21:09	13°♏39'23	-5°25'51
greatest brilliancy	-10399 Jul 19 j 20:49	14°♏03'18	-1.7m
direct	-10399 Aug 26 j 14:35	5°♏13'19	
	-10399 Nov 12 j 00:51	0°♐	
	-10398 Jan 05 j 20:08	0°♑	
asc. node	-10398 Jan 24 j 04:52	10°♑50'35	
	-10398 Feb 24 j 13:15	0°♒	
	-10398 Apr 12 j 07:41	0°♓	
evening set	-10398 May 17 j 01:38	23°♓27'06	
	-10398 May 26 j 12:01	0°♈	
max. Earth dist.	-10398 Jun 02 j 06:01	4°♈43'58	2.49627 AU
	-10398 Jul 07 j 08:58	0°♉	
conjunction	-10398 Jul 08 j 12:25	0°♉50'24	1°12'27
minimum elong	-10398 Jul 08 j 11:48	0°♉49'16	1°12'41
	-10398 Aug 16 j 10:05	0°♊	
morning rise	-10398 Sep 02 j 11:05	13°♊03'52	
	-10398 Sep 24 j 08:02	0°♋	
	-10398 Nov 01 j 22:25	0°♌	
	-10398 Dec 11 j 02:21	0°♍	
desc. node	-10398 Dec 20 j 11:00	7°♍01'48	
	-10397 Jan 20 j 18:54	0°♎	
	-10397 Mar 05 j 04:15	0°♏	
	-10397 Apr 22 j 14:12	0°♐	
	-10397 Jul 02 j 21:58	0°♑	
retrograde	-10397 Jul 18 j 11:18	1°♑29'06	
	-10397 Aug 02 j 05:51	30°℞♐	
min. Earth dist.	-10397 Aug 25 j 11:37	22°♐23'37	0.65392 AU
opposition	-10397 Aug 27 j 10:35	21°♐36'17	-3°47'33
greatest brilliancy	-10397 Aug 27 j 05:14	21°♐41'41	-1.4m
direct	-10397 Oct 05 j 17:10	12°♐10'55	
	-10397 Dec 08 j 06:20	0°♑	
asc. node	-10397 Dec 12 j 10:15	1°♑56'39	
	-10396 Feb 02 j 19:53	0°♒	
	-10396 Mar 22 j 13:20	0°♓	
	-10396 May 06 j 07:18	0°♈	
	-10396 Jun 17 j 04:14	0°♉	
evening set	-10396 Jul 07 j 01:20	14°♉49'44	
	-10396 Jul 26 j 23:26	0°♊	
max. Earth dist.	-10396 Aug 18 j 13:22	17°♊29'00	2.38614 AU
	-10396 Sep 03 j 13:36	0°♋	
conjunction	-10396 Sep 04 j 21:18	1°♋02'06	0°44'34
minimum elong	-10396 Sep 05 j 00:29	1°♋08'20	0°45'06
	-10396 Oct 11 j 20:28	0°♌	
desc. node	-10396 Nov 06 j 03:36	19°♌37'02	
morning rise	-10396 Nov 08 j 19:49	21°♌40'23	
	-10396 Nov 19 j 17:19	0°♍	
	-10396 Dec 29 j 23:57	0°♎	
	-10395 Feb 10 j 09:48	0°♏	
	-10395 Mar 27 j 16:55	0°♐	
	-10395 May 16 j 11:24	0°♑	
	-10395 Jul 19 j 19:29	0°♒	
retrograde	-10395 Aug 21 j 15:32	5°♒48'29	
	-10395 Sep 20 j 15:44	30°℞♑	
opposition	-10395 Sep 29 j 23:44	26°♑23'53	-1°10'16
greatest brilliancy	-10395 Sep 30 j 01:56	26°♑21'42	-1.4m
min. Earth dist.	-10395 Oct 01 j 18:41	25°♑41'00	0.66149 AU
asc. node	-10395 Oct 29 j 15:19	17°♑16'18	
direct	-10395 Nov 09 j 16:36	16°♑28'23	
	-10394 Jan 01 j 22:42	0°♒	
	-10394 Feb 27 j 18:54	0°♓	
	-10394 Apr 15 j 14:56	0°♈	
	-10394 May 28 j 04:08	0°♉	
	-10394 Jul 07 j 04:12	0°♊	
	-10394 Aug 14 j 19:35	0°♋	
evening set	-10394 Sep 08 j 23:35	19°♋43'28	
	-10394 Sep 22 j 03:09	0°♌	
desc. node	-10394 Sep 24 j 00:41	1°♌28'44	
	-10394 Oct 31 j 01:12	0°♍	
conjunction	-10394 Nov 10 j 16:25	8°♍02'12	-0°34'28
minimum elong	-10394 Nov 10 j 13:49	7°♍57'18	0°34'09
	-10394 Dec 10 j 08:39	0°♎	
max. Earth dist.	-10394 Dec 25 j 06:50	10°♎46'03	2.46461 AU
morning rise	-10393 Jan 10 j 15:13	22°♎20'39	
	-10393 Jan 21 j 15:04	0°♏	
	-10393 Mar 07 j 04:05	0°♐	
	-10393 Apr 23 j 05:24	0°♑	
	-10393 Jun 12 j 17:03	0°♒	
	-10393 Aug 11 j 19:06	0°♓	
asc. node	-10393 Sep 16 j 17:02	10°♓21'58	
retrograde	-10393 Sep 28 j 22:59	11°♓15'16	
opposition	-10393 Nov 05 j 14:04	2°♓43'46	2°05'27
greatest brilliancy	-10393 Nov 05 j 22:31	2°♓35'37	-1.6m
min. Earth dist.	-10393 Nov 10 j 23:56	0°♓38'34	0.60806 AU
	-10393 Nov 12 j 16:32	30°℞♒	
direct	-10393 Dec 16 j 07:02	22°♒51'28	
	-10392 Jan 21 j 04:50	0°♓	
	-10392 Mar 20 j 10:02	0°♈	
	-10392 May 04 j 18:08	0°♉	
	-10392 Jun 14 j 20:40	0°♊	
	-10392 Jul 24 j 02:46	0°♋	
desc. node	-10392 Aug 11 j 01:07	13°♋52'31	
	-10392 Aug 31 j 21:47	0°♌	
	-10392 Oct 10 j 06:28	0°♍	
evening set	-10392 Nov 09 j 16:35	22°♍31'51	
	-10392 Nov 19 j 23:43	0°♎	
	-10391 Jan 01 j 13:13	0°♏	
conjunction	-10391 Jan 04 j 21:20	2°♏17'43	-1°13'02
minimum elong	-10391 Jan 04 j 20:39	2°♏16'34	1°13'17
max. Earth dist.	-10391 Feb 01 j 18:51	21°♏10'30	2.57857 AU
	-10391 Feb 15 j 02:00	0°♐	
morning rise	-10391 Feb 26 j 22:17	7°♐46'31	
	-10391 Apr 02 j 09:27	0°♑	
	-10391 May 20 j 05:35	0°♒	
	-10391 Jul 08 j 21:56	0°♓	
asc. node	-10391 Aug 03 j 13:52	14°♓43'20	
	-10391 Sep 01 j 06:15	0°♈	
retrograde	-10391 Nov 15 j 06:26	23°♈37'42	
opposition	-10391 Dec 19 j 19:17	16°♈34'59	5°36'22
greatest brilliancy	-10391 Dec 21 j 06:35	16°♈04'05	-2.1m
min. Earth dist.	-10391 Dec 27 j 19:36	13°♈47'19	0.50160 AU
direct	-10390 Jan 26 j 23:58	7°♈56'57	
	-10390 Apr 02 j 13:21	0°♉	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10390 May 19 j 16:27	0°♊	
desc. node	-10390 Jun 29 j 04:02	29°♊04'37	
	-10390 Jun 30 j 10:06	0°♋	
	-10390 Aug 09 j 18:47	0°♌	
	-10390 Sep 19 j 08:45	0°♍	
	-10390 Oct 31 j 01:56	0°♎	
	-10390 Dec 13 j 09:56	0°♏	
evening set	-10390 Dec 30 j 04:04	11°♏17'36	
	-10389 Jan 27 j 09:55	0°♐	
conjunction	-10389 Feb 18 j 20:16	14°♐37'00	-1°01'17
minimum elong	-10389 Feb 18 j 21:48	14°♐39'27	1°01'49
max. Earth dist.	-10389 Mar 01 j 13:14	21°♐31'59	2.64785 AU
	-10389 Mar 14 j 17:13	0°♑	
morning rise	-10389 Apr 08 j 06:08	15°♑41'28	
	-10389 Apr 30 j 17:23	0°♒	
	-10389 Jun 16 j 21:52	0°♓	
asc. node	-10389 Jun 21 j 07:34	2°♓47'53	
	-10389 Aug 03 j 05:34	0°♈	
	-10389 Sep 20 j 11:43	0°♉	
	-10389 Nov 11 j 18:07	0°♊	
retrograde	-10388 Jan 23 j 09:20	23°♊42'22	
opposition	-10388 Feb 23 j 04:41	18°♊30'26	5°42'51
greatest brilliancy	-10388 Feb 24 j 03:54	18°♊14'23	-2.8m
min. Earth dist.	-10388 Feb 27 j 02:51	17°♊25'30	0.39298 AU
direct	-10388 Mar 26 j 04:17	12°♊52'09	
desc. node	-10388 May 16 j 08:38	27°♊26'19	
	-10388 May 21 j 10:35	0°♋	
	-10388 Jul 10 j 17:32	0°♌	
	-10388 Aug 24 j 19:27	0°♍	
	-10388 Oct 08 j 06:10	0°♎	
	-10388 Nov 22 j 08:53	0°♏	
	-10387 Jan 07 j 11:27	0°♐	
evening set	-10387 Feb 09 j 08:45	21°♐05'35	
	-10387 Feb 23 j 07:24	0°♑	
max. Earth dist.	-10387 Mar 24 j 22:26	18°♑55'23	2.66439 AU
conjunction	-10387 Mar 29 j 12:40	21°♑51'46	-0°22'54
minimum elong	-10387 Mar 29 j 13:33	21°♑53'11	0°23'28
	-10387 Apr 11 j 05:16	0°♒	
asc. node	-10387 May 08 j 00:30	17°♒17'49	
morning rise	-10387 May 15 j 04:18	21°♒56'58	
	-10387 May 27 j 12:12	0°♓	
	-10387 Jul 11 j 17:58	0°♈	
	-10387 Aug 24 j 21:20	0°♉	
	-10387 Oct 07 j 05:31	0°♊	
	-10387 Nov 19 j 10:39	0°♋	
	-10386 Jan 03 j 04:44	0°♌	
	-10386 Feb 26 j 01:51	0°♍	
desc. node	-10386 Apr 03 j 12:26	9°♍14'04	
retrograde	-10386 Apr 06 j 02:42	9°♍16'58	
min. Earth dist.	-10386 May 03 j 10:53	4°♍29'35	0.42210 AU
opposition	-10386 May 10 j 14:40	2°♍14'38	-2°36'30
greatest brilliancy	-10386 May 09 j 20:13	2°♍29'12	-2.6m
	-10386 May 18 j 01:46	30°℞♌	
direct	-10386 Jun 11 j 00:25	26°♌21'40	
	-10386 Jul 05 j 18:09	0°♍	
	-10386 Sep 09 j 14:41	0°♎	
	-10386 Oct 30 j 12:52	0°♏	
	-10386 Dec 18 j 08:15	0°♐	
	-10385 Feb 04 j 11:47	0°♑	
evening set	-10385 Mar 20 j 15:34	27°♑56'13	
	-10385 Mar 23 j 20:56	0°♒	
asc. node	-10385 Mar 25 j 20:00	1°♒15'28	
max. Earth dist.	-10385 Apr 19 j 06:09	17°♒02'55	2.62759 AU
conjunction	-10385 May 07 j 16:38	29°♒09'35	0°25'14
minimum elong	-10385 May 07 j 15:39	29°♒07'57	0°24'52
	-10385 May 08 j 23:06	0°♓	
	-10385 Jun 22 j 08:49	0°♈	
morning rise	-10385 Jun 24 j 06:57	1°♈19'36	
	-10385 Aug 04 j 00:29	0°♉	
	-10385 Sep 14 j 04:38	0°♊	
	-10385 Oct 24 j 09:43	0°♋	
	-10385 Dec 03 j 10:17	0°♌	
	-10384 Jan 13 j 10:19	0°♍	
desc. node	-10384 Feb 19 j 10:54	25°♍21'16	
	-10384 Feb 26 j 16:52	0°♎	
	-10384 Apr 24 j 06:38	0°♏	
retrograde	-10384 May 26 j 08:30	6°♏18'17	
	-10384 Jun 25 j 19:37	30°℞♎	
min. Earth dist.	-10384 Jun 27 j 00:14	29°♎33'30	0.54375 AU
greatest brilliancy	-10384 Jul 02 j 17:16	27°♎23'24	-1.9m
opposition	-10384 Jul 04 j 00:40	26°♎53'26	-5°33'44
direct	-10384 Aug 08 j 10:55	19°♎01'20	
	-10384 Sep 24 j 03:48	0°♏	
	-10384 Nov 23 j 14:42	0°♐	
	-10383 Jan 14 j 06:08	0°♑	
asc. node	-10383 Feb 09 j 19:55	16°♑10'53	
	-10383 Mar 03 j 23:42	0°♒	
	-10383 Apr 19 j 10:32	0°♓	
evening set	-10383 Apr 29 j 14:25	6°♓45'57	
max. Earth dist.	-10383 May 18 j 03:23	19°♓19'05	2.54125 AU
	-10383 Jun 02 j 14:36	0°♈	
conjunction	-10383 Jun 19 j 02:24	11°♈36'18	1°05'18
minimum elong	-10383 Jun 19 j 00:49	11°♈33'30	1°05'21
	-10383 Jul 14 j 14:52	0°♉	
morning rise	-10383 Aug 10 j 13:40	19°♉57'49	
	-10383 Aug 23 j 21:08	0°♊	
	-10383 Oct 02 j 00:36	0°♋	
	-10383 Nov 09 j 20:22	0°♌	
	-10383 Dec 19 j 06:04	0°♍	
desc. node	-10382 Jan 06 j 07:03	13°♍23'06	
	-10382 Jan 29 j 07:33	0°♎	
	-10382 Mar 14 j 15:19	0°♏	
	-10382 May 05 j 17:06	0°♐	
retrograde	-10382 Jul 04 j 15:22	17°♐38'14	
min. Earth dist.	-10382 Aug 10 j 02:33	9°♐05'07	0.63420 AU
opposition	-10382 Aug 13 j 13:02	7°♐42'21	-4°35'03
greatest brilliancy	-10382 Aug 13 j 01:02	7°♐54'24	-1.5m
	-10382 Sep 06 j 10:37	30°℞♏	
direct	-10382 Sep 20 j 22:33	28°♏36'18	
	-10382 Oct 06 j 07:42	0°♐	
	-10382 Dec 20 j 18:51	0°♑	
asc. node	-10382 Dec 28 j 23:23	4°♑23'27	
	-10381 Feb 11 j 11:02	0°♒	
	-10381 Mar 31 j 04:35	0°♓	
	-10381 May 14 j 15:41	0°♈	
evening set	-10381 Jun 16 j 07:19	23°♈16'09	
	-10381 Jun 25 j 11:55	0°♉	
max. Earth dist.	-10381 Jul 06 j 15:30	8°♉15'47	2.42307 AU
	-10381 Aug 04 j 08:55	0°♊	
conjunction	-10381 Aug 11 j 22:36	5°♊49'12	1°04'46
minimum elong	-10381 Aug 12 j 00:54	5°♊53'38	1°05'17
	-10381 Sep 12 j 01:20	0°♋	
morning rise	-10381 Oct 13 j 03:32	24°♋19'34	
	-10381 Oct 20 j 10:05	0°♌	
desc. node	-10381 Nov 24 j 01:21	26°♌44'09	
	-10381 Nov 28 j 08:16	0°♍	
	-10380 Jan 07 j 16:25	0°♎	
	-10380 Feb 19 j 06:59	0°♏	
	-10380 Apr 05 j 06:17	0°♐	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10380 May 27 j 16:54	0°♉	
retrograde	-10380 Aug 07 j 22:05	22°♉46'56	
opposition	-10380 Sep 16 j 15:00	13°♉08'17	-2°16'14
greatest brilliancy	-10380 Sep 16 j 16:12	13°♉07'05	-1.4m
min. Earth dist.	-10380 Sep 16 j 22:56	13°♉00'19	0.66584 AU
direct	-10380 Oct 26 j 21:43	3°♉21'16	
asc. node	-10380 Nov 15 j 04:48	5°♉29'24	
	-10379 Jan 15 j 23:15	0°♒	
	-10379 Mar 08 j 23:14	0°♓	
	-10379 Apr 23 j 16:59	0°♈	
	-10379 Jun 04 j 21:37	0°♉	
	-10379 Jul 14 j 18:47	0°♊	
evening set	-10379 Aug 14 j 01:09	23°♊28'58	
	-10379 Aug 22 j 08:52	0°♋	
	-10379 Sep 29 j 15:19	0°♌	
desc. node	-10379 Oct 10 j 19:22	8°♌41'53	
conjunction	-10379 Oct 16 j 02:03	12°♌47'30	-0°04'04
minimum elong	-10379 Oct 16 j 01:41	12°♌46'49	0°03'35
behind sun begin	-10379 Oct 14 j 23:00	11°♌55'09	
behind sun end	-10379 Oct 17 j 04:22	13°♌38'26	
	-10379 Nov 07 j 11:58	0°♍	
max. Earth dist.	-10379 Nov 28 j 08:13	15°♍41'59	2.41598 AU
	-10379 Dec 17 j 17:46	0°♎	
morning rise	-10379 Dec 19 j 00:51	0°♎56'36	
	-10378 Jan 28 j 23:36	0°♏	
	-10378 Mar 14 j 15:58	0°♐	
	-10378 May 01 j 08:36	0°♑	
	-10378 Jun 23 j 05:03	0°♒	
retrograde	-10378 Sep 13 j 08:30	27°♒12'53	
asc. node	-10378 Oct 03 j 07:57	24°♒36'54	
opposition	-10378 Oct 21 j 18:59	18°♒17'11	0°45'37
greatest brilliancy	-10378 Oct 21 j 21:14	18°♒14'59	-1.5m
min. Earth dist.	-10378 Oct 25 j 19:27	16°♒42'26	0.63602 AU
direct	-10378 Dec 01 j 16:51	8°♒18'09	
	-10377 Feb 09 j 00:10	0°♓	
	-10377 Mar 31 j 23:13	0°♈	
	-10377 May 14 j 17:46	0°♉	
	-10377 Jun 24 j 06:03	0°♊	
	-10377 Aug 02 j 04:07	0°♋	
desc. node	-10377 Aug 28 j 17:36	20°♋41'49	
	-10377 Sep 09 j 16:53	0°♌	
evening set	-10377 Oct 18 j 15:11	29°♌51'06	
	-10377 Oct 18 j 19:54	0°♍	
	-10377 Nov 28 j 07:49	0°♎	
conjunction	-10377 Dec 16 j 15:40	13°♎08'53	-1°05'19
minimum elong	-10377 Dec 16 j 13:33	13°♎05'07	1°05'23
	-10376 Jan 09 j 17:08	0°♏	
max. Earth dist.	-10376 Jan 20 j 16:54	7°♏32'56	2.53832 AU
morning rise	-10376 Feb 10 j 10:44	21°♏33'09	
	-10376 Feb 23 j 04:09	0°♐	
	-10376 Apr 09 j 15:26	0°♑	
	-10376 May 28 j 03:35	0°♒	
	-10376 Jul 18 j 21:59	0°♓	
asc. node	-10376 Aug 20 j 07:11	16°♓40'37	
	-10376 Sep 22 j 01:34	0°♈	
retrograde	-10376 Oct 25 j 15:51	5°♈57'20	
	-10376 Nov 25 j 16:27	30°℞♓	
opposition	-10376 Nov 30 j 14:00	28°♓14'26	4°17'11
greatest brilliancy	-10376 Dec 01 j 14:03	27°♓52'17	-1.9m
min. Earth dist.	-10376 Dec 07 j 20:29	25°♓33'58	0.54822 AU
direct	-10375 Jan 09 j 04:27	18°♓54'16	
	-10375 Feb 22 j 22:51	0°♈	
	-10375 Apr 17 j 11:30	0°♉	
	-10375 May 30 j 18:38	0°♊	
	-10375 Jul 10 j 02:03	0°♋	
desc. node	-10375 Jul 15 j 20:14	4°♋21'42	
	-10375 Aug 18 j 14:09	0°♌	
	-10375 Sep 27 j 12:45	0°♍	
	-10375 Nov 07 j 17:36	0°♎	
evening set	-10375 Dec 11 j 20:58	23°♎57'24	
	-10375 Dec 20 j 16:11	0°♏	
conjunction	-10374 Feb 02 j 07:16	29°♏15'54	-1°10'09
minimum elong	-10374 Feb 02 j 08:19	29°♏17'39	1°10'37
	-10374 Feb 03 j 10:03	0°♐	
max. Earth dist.	-10374 Feb 19 j 11:19	10°♐30'30	2.62697 AU
	-10374 Mar 21 j 15:45	0°♑	
morning rise	-10374 Mar 24 j 02:59	1°♑34'53	
	-10374 May 07 j 20:49	0°♒	
	-10374 Jun 24 j 17:30	0°♓	
asc. node	-10374 Jul 08 j 02:11	8°♓17'05	
	-10374 Aug 12 j 16:02	0°♈	
	-10374 Oct 04 j 04:17	0°♉	
retrograde	-10374 Dec 24 j 10:21	27°♉28'41	
opposition	-10373 Jan 25 j 13:04	21°♉39'40	6°42'20
greatest brilliancy	-10373 Jan 27 j 05:20	21°♉09'01	-2.5m
min. Earth dist.	-10373 Feb 01 j 17:18	19°♉29'27	0.42787 AU
direct	-10373 Mar 01 j 03:48	14°♉48'20	
	-10373 Apr 22 j 03:41	0°♊	
desc. node	-10373 Jun 03 j 00:06	24°♊43'11	
	-10373 Jun 11 j 00:30	0°♋	
	-10373 Jul 24 j 12:01	0°♌	
	-10373 Sep 04 j 22:32	0°♍	
	-10373 Oct 17 j 21:56	0°♎	
	-10373 Dec 01 j 02:50	0°♏	
	-10372 Jan 15 j 16:06	0°♐	
evening set	-10372 Jan 25 j 14:00	6°♐25'41	
	-10372 Mar 02 j 05:25	0°♑	
conjunction	-10372 Mar 14 j 09:57	7°♑48'05	-0°39'45
minimum elong	-10372 Mar 14 j 11:20	7°♑50'17	0°40'20
max. Earth dist.	-10372 Mar 15 j 14:48	8°♑34'11	2.66447 AU
	-10372 Apr 18 j 02:41	0°♒	
morning rise	-10372 Apr 30 j 10:32	7°♒54'34	
asc. node	-10372 May 24 j 19:03	23°♒36'21	
	-10372 Jun 03 j 15:51	0°♓	
	-10372 Jul 19 j 12:10	0°♈	
	-10372 Sep 02 j 17:16	0°♉	
	-10372 Oct 17 j 20:24	0°♊	
	-10372 Dec 03 j 07:42	0°♋	
	-10371 Jan 26 j 15:54	0°♌	
retrograde	-10371 Mar 11 j 04:51	10°♌50'11	
min. Earth dist.	-10371 Apr 08 j 05:14	6°♌11'30	0.38971 AU
opposition	-10371 Apr 12 j 05:08	5°♌04'28	0°37'29
greatest brilliancy	-10371 Apr 12 j 03:42	5°♌05'28	-2.9m
desc. node	-10371 Apr 20 j 04:05	2°♌55'41	
	-10371 May 08 j 02:42	30°℞♋	
direct	-10371 May 12 j 13:55	29°♋52'18	
	-10371 May 17 j 01:14	0°♌	
	-10371 Aug 03 j 04:36	0°♍	
	-10371 Sep 22 j 02:50	0°♎	
	-10371 Nov 08 j 17:29	0°♏	
	-10371 Dec 26 j 03:31	0°♐	
	-10370 Feb 11 j 15:28	0°♑	
evening set	-10370 Mar 05 j 11:17	13°♑50'19	
	-10370 Mar 30 j 18:32	0°♒	
max. Earth dist.	-10370 Apr 09 j 05:50	6°♒05'44	2.64837 AU
asc. node	-10370 Apr 11 j 12:40	7°♒34'14	
conjunction	-10370 Apr 22 j 06:26	14°♒31'45	0°06'25
minimum elong	-10370 Apr 22 j 06:10	14°♒31'20	0°05'57
behind sun begin	-10370 Apr 21 j 11:41	14°♒01'19	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

behind sun end	-10370 Apr 23 j 00:39	15°♒01'21	
	-10370 May 15 j 21:23	0°♓	
morning rise	-10370 Jun 08 j 02:32	15°♓27'37	
	-10370 Jun 29 j 13:23	0°♈	
	-10370 Aug 11 j 16:10	0°♉	
	-10370 Sep 22 j 11:36	0°♊	
	-10370 Nov 02 j 11:23	0°♋	
	-10370 Dec 13 j 11:46	0°♌	
	-10369 Jan 25 j 03:26	0°♍	
desc. node	-10369 Mar 08 j 06:40	26°♍12'48	
	-10369 Mar 15 j 08:11	0°♎	
retrograde	-10369 May 09 j 11:50	16°♎51'00	
min. Earth dist.	-10369 Jun 08 j 00:30	10°♎57'48	0.49572 AU
greatest brilliancy	-10369 Jun 14 j 13:25	8°♎36'32	-2.2m
opposition	-10369 Jun 16 j 00:02	8°♎05'11	-5°09'27
direct	-10369 Jul 19 j 22:07	0°♎55'12	
	-10369 Oct 12 j 02:45	0°♏	
	-10369 Dec 04 j 06:56	0°♐	
	-10368 Jan 23 j 02:43	0°♑	
asc. node	-10368 Feb 27 j 10:18	21°♑56'27	
	-10368 Mar 11 j 04:14	0°♒	
evening set	-10368 Apr 13 j 05:39	21°♒18'39	
	-10368 Apr 26 j 10:17	0°♓	
max. Earth dist.	-10368 May 05 j 14:27	6°♓06'28	2.58041 AU
conjunction	-10368 Jun 01 j 09:25	24°♓17'19	0°52'17
minimum elong	-10368 Jun 01 j 07:41	24°♓14'20	0°52'10
	-10368 Jun 09 j 15:39	0°♈	
morning rise	-10368 Jul 21 j 07:27	29°♈35'46	
	-10368 Jul 21 j 20:48	0°♉	
	-10368 Aug 31 j 10:10	0°♊	
	-10368 Oct 09 j 21:40	0°♋	
	-10368 Nov 18 j 01:40	0°♌	
	-10368 Dec 27 j 21:00	0°♍	
desc. node	-10367 Jan 23 j 03:22	19°♍07'12	
	-10367 Feb 07 j 14:32	0°♎	
	-10367 Mar 25 j 17:49	0°♏	
	-10367 May 29 j 18:46	0°♐	
retrograde	-10367 Jun 20 j 04:45	2°♐51'05	
	-10367 Jul 10 j 07:31	30°℞♏	
min. Earth dist.	-10367 Jul 24 j 22:04	24°♏55'49	0.60506 AU
opposition	-10367 Jul 29 j 19:43	22°♏59'06	-5°11'43
greatest brilliancy	-10367 Jul 28 j 23:54	23°♏18'48	-1.6m
direct	-10367 Sep 05 j 03:57	14°♏17'22	
	-10367 Nov 02 j 17:30	0°♐	
	-10367 Dec 30 j 21:22	0°♑	
asc. node	-10366 Jan 14 j 12:42	8°♑25'03	
	-10366 Feb 19 j 11:20	0°♒	
	-10366 Apr 07 j 13:30	0°♓	
	-10366 May 21 j 20:40	0°♈	
evening set	-10366 May 27 j 13:58	4°♈00'20	
max. Earth dist.	-10366 Jun 12 j 15:56	15°♈25'26	2.47011 AU
	-10366 Jul 02 j 17:38	0°♉	
conjunction	-10366 Jul 20 j 08:30	13°♉04'19	1°12'45
minimum elong	-10366 Jul 20 j 08:51	13°♉04'57	1°13'06
	-10366 Aug 11 j 17:26	0°♊	
morning rise	-10366 Sep 16 j 12:37	27°♊38'42	
	-10366 Sep 19 j 13:11	0°♋	
	-10366 Oct 28 j 00:58	0°♌	
	-10366 Dec 06 j 02:01	0°♍	
desc. node	-10366 Dec 10 j 20:43	3°♍36'39	
	-10365 Jan 15 j 14:04	0°♎	
	-10365 Feb 27 j 13:46	0°♏	
	-10365 Apr 15 j 17:56	0°♐	
	-10365 Jun 13 j 09:55	0°♑	
retrograde	-10365 Jul 26 j 08:46	9°♑37'57	
min. Earth dist.	-10365 Sep 03 j 02:55	0°♑16'40	0.66072 AU
	-10365 Sep 03 j 19:27	30°℞♐	
opposition	-10365 Sep 04 j 06:15	29°♐49'06	-3°16'03
greatest brilliancy	-10365 Sep 04 j 03:52	29°♐51'31	-1.4m
direct	-10365 Oct 13 j 22:01	20°♐14'59	
	-10365 Nov 27 j 09:25	0°♑	
asc. node	-10365 Dec 02 j 18:06	2°♑06'46	
	-10364 Jan 27 j 16:04	0°♒	
	-10364 Mar 17 j 08:13	0°♓	
	-10364 May 01 j 10:22	0°♈	
	-10364 Jun 12 j 10:20	0°♉	
evening set	-10364 Jul 20 j 06:02	28°♉26'50	
	-10364 Jul 22 j 06:36	0°♊	
	-10364 Aug 29 j 20:42	0°♋	
conjunction	-10364 Sep 19 j 14:33	16°♋16'44	0°28'29
minimum elong	-10364 Sep 19 j 17:03	16°♋21'37	0°29'01
max. Earth dist.	-10364 Oct 01 j 20:03	25°♋51'58	2.38263 AU
	-10364 Oct 07 j 02:56	0°♌	
desc. node	-10364 Oct 27 j 14:50	15°♌55'52	
	-10364 Nov 14 j 22:55	0°♍	
morning rise	-10364 Nov 23 j 22:12	6°♍48'08	
	-10364 Dec 25 j 04:04	0°♎	
	-10363 Feb 05 j 10:50	0°♏	
	-10363 Mar 22 j 10:06	0°♐	
	-10363 May 10 j 04:06	0°♑	
	-10363 Jul 06 j 19:38	0°♒	
retrograde	-10363 Aug 29 j 18:42	13°♒48'18	
opposition	-10363 Oct 07 j 19:55	4°♒33'00	-0°29'14
greatest brilliancy	-10363 Oct 07 j 21:16	4°♒31'39	-1.4m
min. Earth dist.	-10363 Oct 10 j 10:03	3°♒31'12	0.65487 AU
asc. node	-10363 Oct 19 j 23:02	29°♑53'49	
	-10363 Oct 19 j 16:00	30°℞♑	
direct	-10363 Nov 17 j 15:44	24°♑34'41	
	-10363 Dec 19 j 06:04	0°♒	
	-10362 Feb 21 j 04:39	0°♓	
	-10362 Apr 10 j 03:12	0°♈	
	-10362 May 23 j 01:27	0°♉	
	-10362 Jul 02 j 05:42	0°♊	
	-10362 Aug 09 j 23:20	0°♋	
desc. node	-10362 Sep 14 j 11:33	27°♋46'00	
	-10362 Sep 17 j 08:21	0°♌	
evening set	-10362 Sep 23 j 15:31	4°♌53'51	
	-10362 Oct 26 j 07:34	0°♍	
conjunction	-10362 Nov 24 j 07:20	21°♍41'23	-0°48'21
minimum elong	-10362 Nov 24 j 04:25	21°♍36'01	0°48'10
	-10362 Dec 05 j 15:39	0°♎	
max. Earth dist.	-10361 Jan 05 j 00:00	21°♎41'45	2.49187 AU
	-10361 Jan 16 j 21:52	0°♏	
morning rise	-10361 Jan 22 j 08:33	3°♏45'26	
	-10361 Mar 02 j 08:41	0°♐	
	-10361 Apr 18 j 02:49	0°♑	
	-10361 Jun 06 j 15:59	0°♒	
	-10361 Aug 01 j 07:02	0°♓	
asc. node	-10361 Sep 07 j 00:05	14°♓49'38	
retrograde	-10361 Oct 08 j 12:04	20°♓07'11	
opposition	-10361 Nov 14 j 13:48	11°♓51'12	2°53'03
greatest brilliancy	-10361 Nov 15 j 03:13	11°♓38'26	-1.7m
min. Earth dist.	-10361 Nov 20 j 16:49	9°♓31'14	0.58887 AU
direct	-10361 Dec 25 j 00:03	2°♓06'28	
	-10360 Mar 12 j 14:43	0°♈	
	-10360 Apr 28 j 15:16	0°♉	
	-10360 Jun 09 j 07:38	0°♊	
	-10360 Jul 18 j 20:44	0°♋	
desc. node	-10360 Aug 01 j 11:46	10°♋29'09	
	-10360 Aug 26 j 20:21	0°♌	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10360 Oct 05 j 08:48	0°♍	
	-10360 Nov 15 j 05:02	0°♎	
evening set	-10360 Nov 21 j 22:34	4°♎49'33	
	-10360 Dec 27 j 20:42	0°♏	
conjunction	-10359 Jan 15 j 15:34	12°♏47'58	-1°13'50
minimum elong	-10359 Jan 15 j 15:39	12°♏48'07	1°14'11
max. Earth dist.	-10359 Feb 08 j 12:52	28°♏45'01	2.59810 AU
	-10359 Feb 10 j 10:17	0°♐	
morning rise	-10359 Mar 08 j 09:01	16°♐57'05	
	-10359 Mar 28 j 16:02	0°♑	
	-10359 May 15 j 05:04	0°♒	
	-10359 Jul 03 j 01:50	0°♓	
asc. node	-10359 Jul 24 j 20:18	12°♓57'10	
	-10359 Aug 23 j 18:05	0°♈	
	-10359 Oct 28 j 09:47	0°♉	
retrograde	-10359 Nov 28 j 05:41	5°♉09'29	
	-10359 Dec 27 j 11:53	30°℞♈	
opposition	-10359 Dec 31 j 23:30	28°♈31'35	6°12'44
greatest brilliancy	-10358 Jan 02 j 15:31	27°♈57'54	-2.2m
min. Earth dist.	-10358 Jan 09 j 02:15	25°♈48'48	0.47484 AU
direct	-10358 Feb 07 j 02:11	20°♈25'47	
	-10358 Mar 19 j 08:00	0°♉	
	-10358 May 11 j 14:47	0°♊	
desc. node	-10358 Jun 19 j 16:37	27°♊00'44	
	-10358 Jun 23 j 20:26	0°♋	
	-10358 Aug 03 j 22:32	0°♌	
	-10358 Sep 13 j 23:49	0°♍	
	-10358 Oct 26 j 00:54	0°♎	
	-10358 Dec 08 j 14:25	0°♏	
evening set	-10357 Jan 09 j 02:30	21°♏02'04	
	-10357 Jan 22 j 17:54	0°♐	
conjunction	-10357 Feb 27 j 23:54	23°♐30'14	-0°54'16
minimum elong	-10357 Feb 28 j 01:29	23°♐32'47	0°54'49
max. Earth dist.	-10357 Mar 07 j 06:40	28°♐10'59	2.65617 AU
	-10357 Mar 10 j 02:37	0°♑	
morning rise	-10357 Apr 16 j 18:51	24°♑05'28	
	-10357 Apr 26 j 01:03	0°♒	
asc. node	-10357 Jun 11 j 13:22	29°♒44'23	
	-10357 Jun 11 j 23:06	0°♓	
	-10357 Jul 28 j 15:40	0°♈	
	-10357 Sep 13 j 12:23	0°♉	
	-10357 Nov 01 j 00:32	0°♊	
	-10357 Dec 27 j 22:06	0°♋	
retrograde	-10356 Feb 09 j 22:07	10°♋29'36	
opposition	-10356 Mar 11 j 17:33	5°♋21'21	4°14'48
greatest brilliancy	-10356 Mar 12 j 02:28	5°♋15'22	-2.9m
min. Earth dist.	-10356 Mar 12 j 20:36	5°♋03'11	0.38371 AU
direct	-10356 Apr 11 j 12:41	0°♋08'10	
desc. node	-10356 May 06 j 21:44	4°♋06'39	
	-10356 Jun 30 j 16:12	0°♌	
	-10356 Aug 17 j 16:42	0°♍	
	-10356 Oct 02 j 09:38	0°♎	
	-10356 Nov 17 j 04:08	0°♏	
	-10355 Jan 02 j 15:28	0°♐	
evening set	-10355 Feb 18 j 05:50	29°♐43'42	
	-10355 Feb 18 j 16:05	0°♑	
max. Earth dist.	-10355 Mar 30 j 12:48	25°♑26'28	2.66100 AU
	-10355 Apr 06 j 15:20	0°♒	
conjunction	-10355 Apr 07 j 04:18	0°♒20'49	-0°12'24
minimum elong	-10355 Apr 07 j 04:48	0°♒21'37	0°12'56
behind sun begin	-10355 Apr 06 j 17:20	0°♒03'12	
behind sun end	-10355 Apr 07 j 16:17	0°♒40'02	
asc. node	-10355 Apr 28 j 05:53	13°♒56'20	
	-10355 May 22 j 20:45	0°♓	

morning rise	-10355 May 23 j 18:25	0°♓35'35	
	-10355 Jul 06 j 21:14	0°♈	
	-10355 Aug 19 j 14:40	0°♉	
	-10355 Oct 01 j 07:11	0°♊	
	-10355 Nov 12 j 11:49	0°♋	
	-10355 Dec 25 j 07:56	0°♌	
	-10354 Feb 10 j 02:07	0°♍	
desc. node	-10354 Mar 24 j 23:51	20°♍01'13	
retrograde	-10354 Apr 19 j 01:48	24°♍09'52	
min. Earth dist.	-10354 May 16 j 21:29	19°♍03'53	0.44684 AU
opposition	-10354 May 24 j 20:24	16°♍25'12	-3°52'38
greatest brilliancy	-10354 May 23 j 16:10	16°♍48'46	-2.5m
direct	-10354 Jun 26 j 02:20	10°♍04'13	
	-10354 Aug 30 j 12:18	0°♎	
	-10354 Oct 24 j 01:01	0°♏	
	-10354 Dec 12 j 23:51	0°♐	
	-10353 Jan 30 j 15:15	0°♑	
asc. node	-10353 Mar 16 j 02:16	28°♑00'00	
	-10353 Mar 19 j 05:28	0°♒	
evening set	-10353 Mar 29 j 12:09	6°♒35'21	
max. Earth dist.	-10353 Apr 25 j 10:57	24°♒06'39	2.61295 AU
	-10353 May 04 j 09:08	0°♓	
conjunction	-10353 May 16 j 19:53	8°♓17'31	0°35'44
minimum elong	-10353 May 16 j 18:32	8°♓15'15	0°35'26
	-10353 Jun 17 j 17:36	0°♈	
morning rise	-10353 Jul 04 j 01:07	11°♈22'06	
	-10353 Jul 30 j 05:40	0°♉	
	-10353 Sep 09 j 04:17	0°♊	
	-10353 Oct 19 j 02:19	0°♋	
	-10353 Nov 27 j 17:45	0°♌	
	-10352 Jan 07 j 04:03	0°♍	
desc. node	-10352 Feb 09 j 22:25	23°♍49'25	
	-10352 Feb 19 j 02:55	0°♎	
	-10352 Apr 09 j 12:59	0°♏	
retrograde	-10352 Jun 04 j 19:11	16°♏43'51	
min. Earth dist.	-10352 Jul 07 j 14:18	9°♏32'03	0.56764 AU
opposition	-10352 Jul 13 j 21:30	7°♏05'23	-5°32'31
greatest brilliancy	-10352 Jul 12 j 17:47	7°♏32'22	-1.8m
	-10352 Aug 06 j 05:15	30°℞♎	
direct	-10352 Aug 19 j 00:52	28°♎53'36	
	-10352 Sep 01 j 11:53	0°♏	
	-10352 Nov 16 j 12:12	0°♐	
	-10351 Jan 08 j 19:09	0°♑	
asc. node	-10351 Jan 31 j 03:09	13°♑22'37	
	-10351 Feb 27 j 02:07	0°♒	
	-10351 Apr 14 j 18:07	0°♓	
evening set	-10351 May 09 j 10:50	16°♓33'11	
max. Earth dist.	-10351 May 26 j 13:05	28°♓18'22	2.51695 AU
	-10351 May 28 j 23:31	0°♈	
conjunction	-10351 Jun 29 j 22:34	22°♈42'30	1°10'17
minimum elong	-10351 Jun 29 j 21:26	22°♈40'27	1°10'27
	-10351 Jul 09 j 22:55	0°♉	
	-10351 Aug 19 j 03:04	0°♊	
morning rise	-10351 Aug 23 j 04:58	3°♊06'14	
	-10351 Sep 27 j 03:52	0°♋	
	-10351 Nov 04 j 20:21	0°♌	
	-10351 Dec 14 j 02:02	0°♍	
desc. node	-10351 Dec 27 j 17:31	10°♍12'23	
	-10350 Jan 23 j 20:46	0°♎	
	-10350 Mar 08 j 12:10	0°♏	
	-10350 Apr 26 j 22:55	0°♐	
retrograde	-10350 Jul 12 j 16:26	26°♐05'59	
min. Earth dist.	-10350 Aug 19 j 00:12	17°♐14'19	0.64617 AU
opposition	-10350 Aug 21 j 15:00	16°♐11'03	-4°08'41
greatest brilliancy	-10350 Aug 21 j 06:54	16°♐19'13	-1.4m

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

direct	-10350 Sep 29 j 12:06	6°♐53'52		
	-10350 Dec 13 j 04:12	0°♑		
asc. node	-10350 Dec 19 j 08:04	3°♑04'54		
	-10349 Feb 05 j 21:28	0°♒		
	-10349 Mar 26 j 05:22	0°♓		
	-10349 May 09 j 21:38	0°♈		
	-10349 Jun 20 j 19:16	0°♉		
evening set	-10349 Jun 28 j 09:33	5°♉37'01		
max. Earth dist.	-10349 Jul 26 j 08:15	26°♉41'27	2.39978 AU	
	-10349 Jul 30 j 15:59	0°♊		
conjunction	-10349 Aug 25 j 19:38	20°♊14'25	0°54'46	
minimum elong	-10349 Aug 25 j 22:42	20°♊20'24	0°55'18	
	-10349 Sep 07 j 07:28	0°♋		
	-10349 Oct 15 j 14:53	0°♌		
morning rise	-10349 Oct 28 j 19:44	10°♌16'19		
desc. node	-10349 Nov 14 j 09:55	23°♌04'12		
	-10349 Nov 23 j 11:39	0°♍		
	-10348 Jan 02 j 17:49	0°♎		
	-10348 Feb 14 j 03:51	0°♏		
	-10348 Mar 30 j 15:06	0°♐		
	-10348 May 20 j 04:42	0°♑		
	-10348 Aug 05 j 01:57	0°♒		
retrograde	-10348 Aug 15 j 19:37	0°♒41'56		
	-10348 Aug 26 j 03:01	30°℞♑		
opposition	-10348 Sep 24 j 07:33	21°♑10'37	-1°38'35	
greatest brilliancy	-10348 Sep 24 j 09:37	21°♑08'32	-1.4m	
min. Earth dist.	-10348 Sep 25 j 10:47	20°♑43'18	0.66466 AU	
direct	-10348 Nov 03 j 19:51	11°♑18'20		
asc. node	-10348 Nov 05 j 13:18	11°♑19'28		
	-10347 Jan 07 j 16:26	0°♒		
	-10347 Mar 03 j 04:10	0°♓		
	-10347 Apr 18 j 13:43	0°♈		
	-10347 May 31 j 00:12	0°♉		
	-10347 Jul 09 j 23:43	0°♊		
	-10347 Aug 17 j 14:44	0°♋		
evening set	-10347 Aug 28 j 15:04	8°♋38'21		
	-10347 Sep 24 j 21:21	0°♌		
desc. node	-10347 Oct 01 j 05:58	4°♌57'30		
conjunction	-10347 Oct 30 j 18:50	27°♌44'34	-0°22'03	
minimum elong	-10347 Oct 30 j 16:58	27°♌40'59	0°21'40	
	-10347 Nov 02 j 17:57	0°♍		
	-10347 Dec 12 j 23:30	0°♎		
max. Earth dist.	-10347 Dec 15 j 07:44	1°♎42'26	2.44236 AU	
morning rise	-10346 Jan 01 j 05:12	13°♎52'18		
	-10346 Jan 24 j 04:05	0°♏		
	-10346 Mar 09 j 16:53	0°♐		
	-10346 Apr 25 j 22:22	0°♑		
	-10346 Jun 16 j 03:57	0°♒		
	-10346 Aug 20 j 17:09	0°♓		
retrograde	-10346 Sep 22 j 04:20	5°♓36'01		
asc. node	-10346 Sep 23 j 15:31	5°♓35'13		
	-10346 Oct 21 j 20:37	30°℞♒		
opposition	-10346 Oct 30 j 04:05	26°♒53'07	1°31'08	
greatest brilliancy	-10346 Oct 30 j 09:28	26°♒47'52	-1.6m	
min. Earth dist.	-10346 Nov 03 j 22:53	25°♒01'18	0.62175 AU	
direct	-10346 Dec 09 j 23:34	16°♒56'41		
	-10345 Jan 29 j 20:40	0°♓		
	-10345 Mar 25 j 13:13	0°♈		
	-10345 May 09 j 04:39	0°♉		
	-10345 Jun 19 j 01:19	0°♊		
	-10345 Jul 28 j 03:59	0°♋		
desc. node	-10345 Aug 19 j 06:03	17°♋09'08		
	-10345 Sep 04 j 19:41	0°♌		
	-10345 Oct 14 j 00:53	0°♍		
evening set	-10345 Oct 31 j 22:48	13°♍23'56		
	-10345 Nov 23 j 14:29	0°♎		
conjunction	-10345 Dec 28 j 10:02	24°♎43'28	-1°10'44	
minimum elong	-10345 Dec 28 j 08:43	24°♎41'11	1°10'55	
	-10344 Jan 05 j 00:34	0°♏		
max. Earth dist.	-10344 Jan 28 j 11:19	15°♏59'44	2.56129 AU	
	-10344 Feb 18 j 11:13	0°♐		
morning rise	-10344 Feb 20 j 15:14	1°♐25'50		
	-10344 Apr 04 j 18:58	0°♑		
	-10344 May 22 j 20:21	0°♒		
	-10344 Jul 12 j 06:07	0°♓		
asc. node	-10344 Aug 10 j 13:18	16°♓12'18		
	-10344 Sep 07 j 11:27	0°♈		
retrograde	-10344 Nov 06 j 00:17	16°♈09'49		
opposition	-10344 Dec 11 j 04:46	8°♈48'05	5°03'20	
greatest brilliancy	-10344 Dec 12 j 11:15	8°♈20'41	-2.0m	
min. Earth dist.	-10344 Dec 18 j 22:35	6°♈01'40	0.52305 AU	
	-10343 Jan 13 j 21:21	30°℞♓		
direct	-10343 Jan 19 j 01:54	29°♓48'44		
	-10343 Jan 24 j 08:17	0°♈		
	-10343 Apr 09 j 03:16	0°♉		
	-10343 May 24 j 05:15	0°♊		
	-10343 Jul 04 j 05:57	0°♋		
desc. node	-10343 Jul 06 j 08:26	1°♋34'18		
	-10343 Aug 13 j 04:08	0°♌		
	-10343 Sep 22 j 09:55	0°♍		
	-10343 Nov 02 j 20:15	0°♎		
	-10343 Dec 15 j 22:33	0°♏		
evening set	-10343 Dec 22 j 12:03	4°♏27'39		
	-10342 Jan 29 j 18:38	0°♐		
conjunction	-10342 Feb 11 j 21:52	8°♐36'04	-1°05'32	
minimum elong	-10342 Feb 11 j 23:16	8°♐38'21	1°06'03	
max. Earth dist.	-10342 Feb 25 j 11:21	17°♐24'36	2.63948 AU	
	-10342 Mar 17 j 00:17	0°♑		
morning rise	-10342 Apr 01 j 21:30	10°♑09'53		
	-10342 May 03 j 01:57	0°♒		
	-10342 Jun 19 j 12:55	0°♓		
asc. node	-10342 Jun 28 j 07:26	5°♓31'26		
	-10342 Aug 06 j 11:25	0°♈		
	-10342 Sep 25 j 04:12	0°♉		
	-10342 Nov 21 j 18:52	0°♊		
retrograde	-10341 Jan 09 j 22:54	12°♊08'54		
opposition	-10341 Feb 10 j 04:21	6°♊43'39	6°22'40	
greatest brilliancy	-10341 Feb 11 j 13:32	6°♊19'47	-2.7m	
min. Earth dist.	-10341 Feb 15 j 21:18	5°♊05'33	0.40627 AU	
direct	-10341 Mar 15 j 08:05	0°♊34'55		
desc. node	-10341 May 24 j 12:38	25°♊38'01		
	-10341 May 31 j 21:23	0°♋		
	-10341 Jul 17 j 03:26	0°♌		
	-10341 Aug 29 j 19:08	0°♍		
	-10341 Oct 12 j 11:28	0°♎		
	-10341 Nov 26 j 02:37	0°♏		
	-10340 Jan 10 j 22:12	0°♐		
evening set	-10340 Feb 03 j 17:15	15°♐20'12		
	-10340 Feb 26 j 14:35	0°♑		
max. Earth dist.	-10340 Mar 21 j 02:48	15°♑01'38	2.66543 AU	
conjunction	-10340 Mar 23 j 03:28	16°♑19'25	-0°30'12	
minimum elong	-10340 Mar 23 j 04:36	16°♑21'13	0°30'45	
	-10340 Apr 13 j 12:00	0°♒		
morning rise	-10340 May 08 j 21:51	16°♒21'45		
asc. node	-10340 May 15 j 00:13	20°♒18'40		
	-10340 May 29 j 21:57	0°♓		
	-10340 Jul 14 j 10:09	0°♈		
	-10340 Aug 28 j 00:24	0°♉		
	-10340 Oct 11 j 01:17	0°♊		

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10340 Nov 24 j 09:25	0°♋	
	-10339 Jan 10 j 14:09	0°♌	
retrograde	-10339 Mar 26 j 07:49	27°♌38'56	
desc. node	-10339 Apr 10 j 17:12	26°♌02'36	
min. Earth dist.	-10339 Apr 22 j 16:12	23°♌00'47	0.40499 AU
opposition	-10339 Apr 28 j 17:09	21°♌12'42	-1°20'51
greatest brilliancy	-10339 Apr 28 j 08:30	21°♌19'10	-2.8m
direct	-10339 May 29 j 13:24	15°♌40'46	
	-10339 Jul 21 j 08:27	0°♍	
	-10339 Sep 14 j 17:43	0°♎	
	-10339 Nov 02 j 22:34	0°♏	
	-10339 Dec 21 j 01:33	0°♐	
	-10338 Feb 06 j 21:41	0°♑	
evening set	-10338 Mar 14 j 04:26	22°♑20'05	
	-10338 Mar 26 j 04:13	0°♒	
asc. node	-10338 Apr 01 j 18:41	4°♒14'23	
max. Earth dist.	-10338 Apr 15 j 00:07	12°♒47'00	2.63785 AU
conjunction	-10338 May 01 j 01:43	23°♒15'42	0°17'21
minimum elong	-10338 May 01 j 01:02	23°♒14'35	0°16'56
	-10338 May 11 j 07:21	0°♓	
morning rise	-10338 Jun 17 j 06:06	24°♓48'03	
	-10338 Jun 24 j 20:28	0°♈	
	-10338 Aug 06 j 17:38	0°♉	
	-10338 Sep 17 j 04:36	0°♊	
	-10338 Oct 27 j 17:36	0°♋	
	-10338 Dec 07 j 03:01	0°♌	
	-10337 Jan 17 j 16:13	0°♍	
desc. node	-10337 Feb 26 j 16:47	26°♍35'04	
	-10337 Mar 04 j 07:17	0°♎	
retrograde	-10337 May 19 j 23:32	28°♎39'29	
min. Earth dist.	-10337 Jun 19 j 16:13	22°♎17'04	0.52283 AU
greatest brilliancy	-10337 Jun 25 j 18:30	20°♎00'57	-2.0m
opposition	-10337 Jun 27 j 04:04	19°♎29'31	-5°28'35
direct	-10337 Jul 31 j 22:30	11°♎55'08	
	-10337 Oct 02 j 15:23	0°♏	
	-10337 Nov 28 j 04:28	0°♐	
	-10336 Jan 17 j 23:27	0°♑	
asc. node	-10336 Feb 17 j 18:08	18°♑54'44	
	-10336 Mar 06 j 10:15	0°♒	
	-10336 Apr 21 j 19:58	0°♓	
evening set	-10336 Apr 22 j 11:45	0°♓26'06	
max. Earth dist.	-10336 May 12 j 16:35	13°♓57'38	2.55964 AU
	-10336 Jun 05 j 01:39	0°♈	
conjunction	-10336 Jun 11 j 07:35	4°♈21'26	1°00'18
minimum elong	-10336 Jun 11 j 05:50	4°♈18'24	1°00'16
	-10336 Jul 17 j 05:03	0°♉	
morning rise	-10336 Aug 01 j 12:37	11°♉14'25	
	-10336 Aug 26 j 14:57	0°♊	
	-10336 Oct 04 j 22:08	0°♋	
	-10336 Nov 12 j 21:01	0°♌	
	-10336 Dec 22 j 09:42	0°♍	
desc. node	-10335 Jan 13 j 12:41	16°♍18'35	
	-10335 Feb 01 j 15:52	0°♎	
	-10335 Mar 18 j 12:05	0°♏	
	-10335 May 12 j 08:25	0°♐	
retrograde	-10335 Jun 28 j 15:12	11°♐53'37	
min. Earth dist.	-10335 Aug 03 j 08:00	3°♐36'28	0.62236 AU
opposition	-10335 Aug 07 j 10:07	1°♐58'18	-4°52'08
greatest brilliancy	-10335 Aug 06 j 18:44	2°♐13'41	-1.5m
	-10335 Aug 12 j 10:16	30°℞♏	
direct	-10335 Sep 14 j 08:29	23°♏02'28	
	-10335 Oct 20 j 22:17	0°♐	
	-10335 Dec 24 j 12:28	0°♑	
asc. node	-10334 Jan 04 j 21:09	6°♑17'47	
	-10334 Feb 14 j 06:10	0°♒	
	-10334 Apr 02 j 18:07	0°♓	
	-10334 May 17 j 04:45	0°♈	
evening set	-10334 Jun 07 j 13:27	15°♈05'23	
max. Earth dist.	-10334 Jun 25 j 00:57	27°♈45'03	2.44392 AU
	-10334 Jun 28 j 02:32	0°♉	
conjunction	-10334 Aug 01 j 20:05	26°♉00'39	1°09'40
minimum elong	-10334 Aug 01 j 21:33	26°♉03'26	1°10'06
	-10334 Aug 07 j 01:32	0°♊	
	-10334 Sep 14 j 19:49	0°♋	
morning rise	-10334 Oct 01 j 07:18	12°♋52'40	
	-10334 Oct 23 j 05:39	0°♌	
desc. node	-10334 Dec 01 j 07:30	0°♍06'18	
	-10334 Dec 01 j 04:11	0°♍	
	-10333 Jan 10 j 12:37	0°♎	
	-10333 Feb 22 j 04:42	0°♏	
	-10333 Apr 09 j 12:04	0°♐	
	-10333 Jun 02 j 15:07	0°♑	
retrograde	-10333 Aug 03 j 05:04	17°♑39'50	
opposition	-10333 Sep 12 j 00:00	7°♑56'04	-2°42'00
greatest brilliancy	-10333 Sep 11 j 23:53	7°♑56'11	-1.4m
min. Earth dist.	-10333 Sep 11 j 16:04	8°♑04'04	0.66477 AU
	-10333 Oct 05 j 15:52	30°℞♐	
direct	-10333 Oct 22 j 00:11	28°♐14'18	
	-10333 Nov 08 j 11:45	0°♑	
asc. node	-10333 Nov 23 j 02:25	3°♑42'06	
	-10332 Jan 21 j 00:12	0°♒	
	-10332 Mar 11 j 23:36	0°♓	
	-10332 Apr 26 j 11:42	0°♈	
	-10332 Jun 07 j 15:28	0°♉	
	-10332 Jul 17 j 12:57	0°♊	
evening set	-10332 Aug 03 j 01:07	12°♊44'51	
	-10332 Aug 25 j 03:25	0°♋	
	-10332 Oct 02 j 09:33	0°♌	
conjunction	-10332 Oct 04 j 13:19	1°♌41'06	0°10'21
minimum elong	-10332 Oct 04 j 14:20	1°♌43'04	0°10'52
behind sun begin	-10332 Oct 03 j 17:41	1°♌02'46	
behind sun end	-10332 Oct 05 j 10:58	2°♌23'21	
desc. node	-10332 Oct 18 j 01:24	12°♌11'36	
max. Earth dist.	-10332 Nov 09 j 05:31	29°♌14'58	2.39717 AU
	-10332 Nov 10 j 05:09	0°♍	
morning rise	-10332 Dec 08 j 10:11	21°♍11'55	
	-10332 Dec 20 j 09:32	0°♎	
	-10331 Jan 31 j 14:04	0°♏	
	-10331 Mar 17 j 07:21	0°♐	
	-10331 May 04 j 07:11	0°♑	
	-10331 Jun 27 j 13:23	0°♒	
retrograde	-10331 Sep 07 j 02:10	21°♒53'18	
asc. node	-10331 Oct 10 j 06:15	14°♒57'28	
opposition	-10331 Oct 15 j 19:12	12°♒48'19	0°13'33
greatest brilliancy	-10331 Oct 15 j 19:47	12°♒47'44	-1.5m
min. Earth dist.	-10331 Oct 19 j 04:08	11°♒28'16	0.64566 AU
direct	-10331 Nov 25 j 16:19	2°♒48'48	
	-10330 Feb 13 j 21:08	0°♓	
	-10330 Apr 04 j 10:12	0°♈	
	-10330 May 17 j 20:41	0°♉	
	-10330 Jun 27 j 05:54	0°♊	
	-10330 Aug 05 j 02:11	0°♋	
desc. node	-10330 Sep 04 j 22:50	24°♋05'40	
	-10330 Sep 12 j 12:51	0°♌	
evening set	-10330 Oct 07 j 23:13	19°♌38'39	
	-10330 Oct 21 j 13:16	0°♍	
	-10330 Nov 30 j 22:22	0°♎	
conjunction	-10330 Dec 07 j 06:19	4°♎35'13	-0°59'12
minimum elong	-10330 Dec 07 j 03:43	4°♎30'31	0°59'09

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10329 Jan 12 j 04:50	0°♏	
max. Earth dist.	-10329 Jan 14 j 09:40	1°♏31'21	2.51813 AU
morning rise	-10329 Feb 02 j 11:30	14°♏33'31	
	-10329 Feb 25 j 14:21	0°♐	
	-10329 Apr 13 j 02:52	0°♑	
	-10329 May 31 j 23:13	0°♒	
	-10329 Jul 23 j 23:17	0°♓	
asc. node	-10329 Aug 28 j 06:16	16°♓51'59	
retrograde	-10329 Oct 18 j 14:42	29°♓24'42	
opposition	-10329 Nov 24 j 01:40	21°♓26'02	3°41'09
greatest brilliancy	-10329 Nov 24 j 20:49	21°♓08'06	-1.8m
min. Earth dist.	-10329 Nov 30 j 20:03	18°♓53'58	0.56744 AU
direct	-10328 Jan 03 j 01:45	11°♓52'58	
	-10328 Mar 03 j 01:06	0°♈	
	-10328 Apr 22 j 00:14	0°♉	
	-10328 Jun 03 j 12:46	0°♊	
	-10328 Jul 13 j 11:34	0°♋	
desc. node	-10328 Jul 23 j 00:42	7°♋17'18	
	-10328 Aug 21 j 17:19	0°♌	
	-10328 Sep 30 j 10:08	0°♍	
	-10328 Nov 10 j 09:50	0°♎	
evening set	-10328 Dec 03 j 12:16	16°♎22'34	
	-10328 Dec 23 j 03:50	0°♏	
conjunction	-10327 Jan 25 j 21:50	22°♏48'07	-1°12'23
minimum elong	-10327 Jan 25 j 22:33	22°♏49'18	1°12'49
	-10327 Feb 05 j 18:37	0°♐	
max. Earth dist.	-10327 Feb 14 j 23:24	6°♐02'53	2.61501 AU
morning rise	-10327 Mar 17 j 12:35	25°♐51'51	
	-10327 Mar 23 j 23:16	0°♑	
	-10327 May 10 j 06:58	0°♒	
	-10327 Jun 27 j 12:37	0°♓	
asc. node	-10327 Jul 15 j 02:03	10°♓43'46	
	-10327 Aug 16 j 10:08	0°♈	
	-10327 Oct 11 j 05:29	0°♉	
retrograde	-10327 Dec 12 j 12:21	17°♉45'55	
opposition	-10326 Jan 14 j 09:06	11°♉35'08	6°36'38
greatest brilliancy	-10326 Jan 16 j 03:07	11°♉01'36	-2.4m
min. Earth dist.	-10326 Jan 22 j 05:32	9°♉05'52	0.44814 AU
direct	-10326 Feb 19 j 04:50	4°♉08'51	
	-10326 May 01 j 12:25	0°♊	
desc. node	-10326 Jun 10 j 04:41	25°♊39'43	
	-10326 Jun 16 j 11:28	0°♋	
	-10326 Jul 28 j 16:44	0°♌	
	-10326 Sep 08 j 09:46	0°♍	
	-10326 Oct 20 j 21:24	0°♎	
	-10326 Dec 03 j 17:46	0°♏	
evening set	-10325 Jan 18 j 15:30	0°♐22'44	
	-10325 Jan 18 j 01:33	0°♐	
	-10325 Mar 05 j 12:01	0°♑	
conjunction	-10325 Mar 08 j 21:36	2°♑10'42	-0°46'11
minimum elong	-10325 Mar 08 j 23:07	2°♑13'07	0°46'45
max. Earth dist.	-10325 Mar 12 j 20:41	4°♑42'55	2.66179 AU
	-10325 Apr 21 j 09:36	0°♒	
morning rise	-10325 Apr 25 j 05:05	2°♒26'21	
asc. node	-10325 Jun 01 j 19:11	26°♒34'25	
	-10325 Jun 07 j 02:41	0°♓	
	-10325 Jul 23 j 07:26	0°♈	
	-10325 Sep 07 j 04:09	0°♉	
	-10325 Oct 23 j 11:36	0°♊	
	-10325 Dec 11 j 15:57	0°♋	
retrograde	-10324 Feb 27 j 11:14	28°♋00'23	
min. Earth dist.	-10324 Mar 27 j 20:08	23°♋08'17	0.38317 AU
opposition	-10324 Mar 29 j 15:47	22°♋38'50	2°15'55
greatest brilliancy	-10324 Mar 29 j 15:09	22°♋39'15	-2.9m
desc. node	-10324 Apr 27 j 08:40	17°♋34'33	
direct	-10324 Apr 28 j 22:09	17°♋33'36	
	-10324 Jun 15 j 19:54	0°♌	
	-10324 Aug 09 j 10:55	0°♍	
	-10324 Sep 26 j 02:28	0°♎	
	-10324 Nov 11 j 18:41	0°♏	
	-10324 Dec 28 j 17:28	0°♐	
	-10323 Feb 13 j 23:48	0°♑	
evening set	-10323 Feb 27 j 00:07	8°♑15'47	
	-10323 Apr 02 j 01:17	0°♒	
max. Earth dist.	-10323 Apr 05 j 03:08	1°♒58'38	2.65510 AU
conjunction	-10323 Apr 15 j 19:32	8°♒51'39	-0°01'38
minimum elong	-10323 Apr 15 j 19:39	8°♒51'50	0°02'07
behind sun begin	-10323 Apr 15 j 00:11	8°♒20'25	
behind sun end	-10323 Apr 16 j 15:07	9°♒23'16	
asc. node	-10323 Apr 18 j 12:18	10°♒36'18	
	-10323 May 18 j 05:50	0°♓	
morning rise	-10323 Jun 01 j 11:18	9°♓24'49	
	-10323 Jul 02 j 02:09	0°♈	
	-10323 Aug 14 j 11:56	0°♉	
	-10323 Sep 25 j 16:26	0°♊	
	-10323 Nov 06 j 03:46	0°♋	
	-10323 Dec 17 j 19:29	0°♌	
	-10322 Jan 30 j 16:13	0°♍	
desc. node	-10322 Mar 15 j 12:01	25°♍11'10	
	-10322 Mar 26 j 10:56	0°♎	
retrograde	-10322 May 01 j 02:11	7°♎52'14	
min. Earth dist.	-10322 May 29 j 17:21	2°♎21'34	0.47348 AU
greatest brilliancy	-10322 Jun 05 j 11:26	0°♎00'27	-2.3m
	-10322 Jun 05 j 11:56	30°℞♍	
opposition	-10322 Jun 06 j 20:49	29°♍31'10	-4°44'37
direct	-10322 Jul 10 j 01:37	22°♍42'25	
	-10322 Aug 15 j 12:31	0°♎	
	-10322 Oct 16 j 19:59	0°♏	
	-10322 Dec 07 j 09:43	0°♐	
	-10321 Jan 25 j 16:18	0°♑	
asc. node	-10321 Mar 06 j 09:06	24°♑48'44	
	-10321 Mar 14 j 13:12	0°♒	
evening set	-10321 Apr 07 j 11:05	15°♒21'54	
	-10321 Apr 29 j 19:04	0°♓	
max. Earth dist.	-10321 May 01 j 19:51	1°♓20'49	2.59596 AU
conjunction	-10321 May 26 j 04:23	17°♓41'54	0°45'34
minimum elong	-10321 May 26 j 02:46	17°♓39'10	0°45'21
	-10321 Jun 13 j 02:42	0°♈	
morning rise	-10321 Jul 14 j 05:34	21°♈54'09	
	-10321 Jul 25 j 11:52	0°♉	
	-10321 Sep 04 j 05:51	0°♊	
	-10321 Oct 13 j 22:11	0°♋	
	-10321 Nov 22 j 06:49	0°♌	
	-10320 Jan 01 j 07:05	0°♍	
desc. node	-10320 Jan 31 j 09:33	21°♍41'00	
	-10320 Feb 12 j 09:40	0°♎	
	-10320 Mar 30 j 17:19	0°♏	
retrograde	-10320 Jun 13 j 19:08	26°♏33'12	
min. Earth dist.	-10320 Jul 17 j 15:58	18°♏56'31	0.58918 AU
greatest brilliancy	-10320 Jul 22 j 05:21	17°♏08'50	-1.7m
opposition	-10320 Jul 23 j 04:49	16°♏45'41	-5°23'07
direct	-10320 Aug 29 j 00:03	8°♏16'41	
	-10320 Nov 08 j 07:57	0°♐	
	-10319 Jan 03 j 01:48	0°♑	
asc. node	-10319 Jan 21 j 10:59	10°♑46'14	
	-10319 Feb 22 j 02:26	0°♒	
	-10319 Apr 10 j 01:17	0°♓	
evening set	-10319 May 19 j 14:48	26°♓42'09	
	-10319 May 24 j 08:46	0°♈	
max. Earth dist.	-10319 Jun 04 j 19:46	8°♈02'13	2.49149 AU

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10319 Jul 05 j 07:55	0°♉	
conjunction	-10319 Jul 11 j 06:26	4°♉22'00	1°12'47
minimum elong	-10319 Jul 11 j 06:02	4°♉21'16	1°13'04
	-10319 Aug 14 j 10:15	0°♊	
morning rise	-10319 Sep 05 j 14:32	17°♊01'10	
	-10319 Sep 22 j 08:29	0°♋	
	-10319 Oct 30 j 22:10	0°♌	
	-10319 Dec 09 j 00:24	0°♍	
desc. node	-10319 Dec 18 j 03:05	6°♍51'40	
	-10318 Jan 18 j 13:54	0°♎	
	-10318 Mar 02 j 17:36	0°♏	
	-10318 Apr 19 j 13:39	0°♐	
	-10318 Jun 23 j 01:12	0°♑	
retrograde	-10318 Jul 20 j 15:10	4°♑21'49	
	-10318 Aug 15 j 00:37	30°℞♐	
min. Earth dist.	-10318 Aug 27 j 17:38	25°♐13'24	0.65531 AU
opposition	-10318 Aug 29 j 13:04	24°♐29'34	-3°39'07
greatest brilliancy	-10318 Aug 29 j 08:22	24°♐34'19	-1.4m
direct	-10318 Oct 07 j 20:32	15°♐02'39	
	-10318 Dec 04 j 01:35	0°♑	
asc. node	-10318 Dec 09 j 15:58	2°♑30'25	
	-10317 Jan 31 j 00:28	0°♒	
	-10317 Mar 21 j 03:20	0°♓	
	-10317 May 05 j 02:26	0°♈	
	-10317 Jun 16 j 02:42	0°♉	
evening set	-10317 Jul 11 j 01:30	18°♉37'06	
	-10317 Jul 25 j 23:56	0°♊	
max. Earth dist.	-10317 Aug 26 j 03:58	24°♊09'54	2.38417 AU
	-10317 Sep 02 j 14:56	0°♋	
conjunction	-10317 Sep 09 j 04:17	5°♋08'18	0°41'05
minimum elong	-10317 Sep 09 j 07:23	5°♋14'22	0°41'38
	-10317 Oct 10 j 21:29	0°♌	
desc. node	-10317 Nov 04 j 20:58	19°♌23'48	
morning rise	-10317 Nov 13 j 06:18	25°♌50'25	
	-10317 Nov 18 j 16:58	0°♍	
	-10317 Dec 28 j 21:17	0°♎	
	-10316 Feb 09 j 03:47	0°♏	
	-10316 Mar 25 j 05:41	0°♐	
	-10316 May 13 j 12:37	0°♑	
	-10316 Jul 13 j 17:55	0°♒	
retrograde	-10316 Aug 23 j 19:57	8°♒38'28	
	-10316 Sep 30 j 05:14	30°℞♑	
opposition	-10316 Oct 02 j 01:50	29°♑15'33	-0°58'58
greatest brilliancy	-10316 Oct 02 j 03:50	29°♑13'32	-1.4m
min. Earth dist.	-10316 Oct 04 j 00:07	28°♑29'17	0.66039 AU
asc. node	-10316 Oct 26 j 20:56	20°♑59'30	
direct	-10316 Nov 11 j 18:23	19°♑19'21	
	-10316 Dec 28 j 04:18	0°♒	
	-10315 Feb 24 j 23:01	0°♓	
	-10315 Apr 13 j 05:43	0°♈	
	-10315 May 26 j 00:01	0°♉	
	-10315 Jul 05 j 02:55	0°♊	
	-10315 Aug 12 j 19:44	0°♋	
evening set	-10315 Sep 12 j 08:43	23°♋55'13	
	-10315 Sep 20 j 03:34	0°♌	
desc. node	-10315 Sep 21 j 17:09	1°♌13'17	
	-10315 Oct 29 j 00:50	0°♍	
conjunction	-10315 Nov 13 j 21:55	11°♍59'09	-0°38'01
minimum elong	-10315 Nov 13 j 19:09	11°♍53'58	0°37'44
	-10315 Dec 08 j 06:38	0°♎	
max. Earth dist.	-10315 Dec 27 j 20:11	14°♎06'30	2.46977 AU
morning rise	-10314 Jan 13 j 12:22	25°♎52'23	
	-10314 Jan 19 j 10:40	0°♏	
	-10314 Mar 04 j 20:38	0°♐	
	-10314 Apr 20 j 17:34	0°♑	
	-10314 Jun 09 j 19:52	0°♒	
	-10314 Aug 07 j 01:39	0°♓	
asc. node	-10314 Sep 13 j 22:50	12°♓28'19	
retrograde	-10314 Oct 01 j 08:32	14°♓12'46	
opposition	-10314 Nov 07 j 20:21	5°♓44'01	2°17'50
greatest brilliancy	-10314 Nov 08 j 05:54	5°♓34'49	-1.6m
min. Earth dist.	-10314 Nov 13 j 08:48	3°♓36'21	0.60462 AU
	-10314 Nov 23 j 12:44	30°℞♒	
direct	-10314 Dec 18 j 11:11	25°♒52'44	
	-10313 Jan 14 j 01:58	0°♓	
	-10313 Mar 18 j 10:57	0°♈	
	-10313 May 03 j 08:20	0°♉	
	-10313 Jun 13 j 15:57	0°♊	
	-10313 Jul 23 j 00:18	0°♋	
desc. node	-10313 Aug 09 j 16:27	13°♋39'41	
	-10313 Aug 30 j 19:58	0°♌	
	-10313 Oct 09 j 04:15	0°♍	
evening set	-10313 Nov 13 j 17:03	26°♍16'42	
	-10313 Nov 18 j 20:23	0°♎	
	-10313 Dec 31 j 08:17	0°♏	
conjunction	-10312 Jan 08 j 14:22	5°♏40'14	-1°13'25
minimum elong	-10312 Jan 08 j 13:53	5°♏39'25	1°13'41
max. Earth dist.	-10312 Feb 04 j 14:09	23°♏53'16	2.58258 AU
	-10312 Feb 13 j 19:15	0°♐	
morning rise	-10312 Mar 01 j 08:40	10°♐52'08	
	-10312 Mar 31 j 00:39	0°♑	
	-10312 May 17 j 17:50	0°♒	
	-10312 Jul 06 j 03:46	0°♓	
asc. node	-10312 Jul 31 j 19:59	14°♓53'31	
	-10312 Aug 28 j 14:01	0°♈	
retrograde	-10312 Nov 18 j 03:48	27°♈01'26	
opposition	-10312 Dec 22 j 14:12	20°♈02'53	5°45'06
greatest brilliancy	-10312 Dec 24 j 02:34	19°♈31'15	-2.1m
min. Earth dist.	-10312 Dec 30 j 16:04	17°♈15'19	0.49674 AU
direct	-10311 Jan 29 j 14:01	11°♈30'25	
	-10311 Mar 29 j 13:50	0°♉	
	-10311 May 16 j 23:11	0°♊	
desc. node	-10311 Jun 26 j 20:36	29°♊08'02	
	-10311 Jun 28 j 00:57	0°♋	
	-10311 Aug 07 j 12:41	0°♌	
	-10311 Sep 17 j 03:30	0°♍	
	-10311 Oct 28 j 20:24	0°♎	
	-10311 Dec 11 j 03:31	0°♏	
evening set	-10310 Jan 01 j 17:55	14°♏32'33	
	-10310 Jan 25 j 02:35	0°♐	
conjunction	-10310 Feb 21 j 06:05	17°♐40'44	-0°59'26
minimum elong	-10310 Feb 21 j 07:39	17°♐43'16	1°00'00
max. Earth dist.	-10310 Mar 03 j 07:12	24°♐09'39	2.64984 AU
	-10310 Mar 12 j 09:08	0°♑	
morning rise	-10310 Apr 10 j 12:10	18°♑37'39	
	-10310 Apr 28 j 08:38	0°♒	
	-10310 Jun 14 j 11:51	0°♓	
asc. node	-10310 Jun 18 j 13:22	2°♓35'09	
	-10310 Jul 31 j 16:15	0°♈	
	-10310 Sep 17 j 13:47	0°♉	
	-10310 Nov 07 j 15:59	0°♊	
retrograde	-10309 Jan 27 j 03:54	28°♊04'41	
opposition	-10309 Feb 27 j 00:13	22°♊54'15	5°25'38
greatest brilliancy	-10309 Feb 27 j 20:26	22°♊40'21	-2.8m
min. Earth dist.	-10309 Mar 02 j 09:50	21°♊58'18	0.39069 AU
direct	-10309 Mar 30 j 17:00	17°♊21'29	
desc. node	-10309 May 15 j 02:04	29°♊06'40	
	-10309 May 17 j 00:14	0°♋	
	-10309 Jul 08 j 13:55	0°♌	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10309 Aug 23 j 04:09	0°♍	
	-10309 Oct 06 j 19:21	0°♎	
	-10309 Nov 20 j 23:37	0°♏	
	-10308 Jan 06 j 02:41	0°♐	
evening set	-10308 Feb 12 j 16:55	24°♐05'30	
	-10308 Feb 21 j 23:02	0°♑	
max. Earth dist.	-10308 Mar 26 j 16:09	21°♑31'32	2.66407 AU
conjunction	-10308 Mar 31 j 19:35	24°♑49'03	-0°20'01
minimum elong	-10308 Mar 31 j 20:22	24°♑50'18	0°20'34
	-10308 Apr 08 j 21:36	0°♒	
asc. node	-10308 May 05 j 05:24	16°♒58'32	
morning rise	-10308 May 17 j 10:00	24°♒54'07	
	-10308 May 25 j 05:19	0°♓	
	-10308 Jul 09 j 11:19	0°♈	
	-10308 Aug 22 j 13:50	0°♉	
	-10308 Oct 04 j 19:23	0°♊	
	-10308 Nov 16 j 18:56	0°♋	
	-10308 Dec 30 j 23:24	0°♌	
	-10307 Feb 20 j 00:52	0°♍	
desc. node	-10307 Apr 01 j 04:58	13°♍03'02	
retrograde	-10307 Apr 09 j 05:47	13°♍30'08	
min. Earth dist.	-10307 May 06 j 14:15	8°♍40'52	0.42648 AU
greatest brilliancy	-10307 May 13 j 03:08	6°♍36'34	-2.6m
opposition	-10307 May 14 j 00:17	6°♍19'44	-2°57'17
direct	-10307 Jun 14 j 13:07	0°♍21'42	
	-10307 Sep 06 j 02:10	0°♎	
	-10307 Oct 27 j 18:24	0°♏	
	-10307 Dec 15 j 19:32	0°♐	
	-10306 Feb 02 j 01:47	0°♑	
	-10306 Mar 21 j 12:55	0°♒	
evening set	-10306 Mar 22 j 23:17	0°♒54'59	
asc. node	-10306 Mar 23 j 00:47	0°♒57'24	
max. Earth dist.	-10306 Apr 21 j 00:40	19°♒41'45	2.62514 AU
	-10306 May 06 j 17:01	0°♓	
conjunction	-10306 May 10 j 00:56	2°♓12'15	0°28'06
minimum elong	-10306 May 09 j 23:51	2°♓10'27	0°27'45
	-10306 Jun 20 j 04:29	0°♈	
morning rise	-10306 Jun 26 j 16:47	4°♈29'54	
	-10306 Aug 01 j 21:23	0°♉	
	-10306 Sep 12 j 01:55	0°♊	
	-10306 Oct 22 j 06:20	0°♋	
	-10306 Dec 01 j 04:46	0°♌	
	-10305 Jan 10 j 23:55	0°♍	
desc. node	-10305 Feb 17 j 03:57	25°♍42'41	
	-10305 Feb 23 j 17:55	0°♎	
	-10305 Apr 19 j 02:16	0°♏	
retrograde	-10305 May 29 j 20:09	9°♏40'03	
min. Earth dist.	-10305 Jun 30 j 17:02	2°♏49'27	0.54830 AU
greatest brilliancy	-10305 Jul 06 j 06:54	0°♏41'33	-1.9m
opposition	-10305 Jul 07 j 13:43	0°♏11'57	-5°34'52
	-10305 Jul 08 j 02:13	30°℞♎	
direct	-10305 Aug 12 j 02:09	22°♎15'58	
	-10305 Sep 19 j 08:25	0°♏	
	-10305 Nov 21 j 12:39	0°♐	
	-10304 Jan 12 j 15:18	0°♑	
asc. node	-10304 Feb 08 j 01:11	16°♑00'17	
	-10304 Mar 01 j 13:48	0°♒	
	-10304 Apr 17 j 03:58	0°♓	
evening set	-10304 May 02 j 01:57	9°♓56'02	
max. Earth dist.	-10304 May 20 j 11:12	22°♓24'59	2.53678 AU
	-10304 May 31 j 10:37	0°♈	
conjunction	-10304 Jun 21 j 17:50	14°♈59'56	1°06'46
minimum elong	-10304 Jun 21 j 16:20	14°♈57'17	1°06'50
	-10304 Jul 12 j 12:52	0°♉	
morning rise	-10304 Aug 13 j 12:18	23°♉42'27	
	-10304 Aug 21 j 20:23	0°♊	
	-10304 Sep 30 j 00:16	0°♋	
	-10304 Nov 07 j 19:27	0°♌	
	-10304 Dec 17 j 03:19	0°♍	
desc. node	-10303 Jan 03 j 23:33	13°♍16'52	
	-10303 Jan 27 j 01:03	0°♎	
	-10303 Mar 12 j 00:42	0°♏	
	-10303 May 01 j 22:37	0°♐	
retrograde	-10303 Jul 06 j 19:21	20°♐34'36	
min. Earth dist.	-10303 Aug 12 j 09:50	11°♐57'50	0.63659 AU
opposition	-10303 Aug 15 j 16:41	10°♐38'32	-4°28'19
greatest brilliancy	-10303 Aug 15 j 05:30	10°♐49'47	-1.5m
direct	-10303 Sep 23 j 03:42	1°♐30'26	
	-10303 Dec 17 j 12:06	0°♑	
asc. node	-10303 Dec 26 j 05:31	4°♑35'29	
	-10302 Feb 08 j 20:23	0°♒	
	-10302 Mar 28 j 20:28	0°♓	
	-10302 May 12 j 11:27	0°♈	
evening set	-10302 Jun 19 j 04:08	26°♈52'52	
	-10302 Jun 23 j 10:17	0°♉	
max. Earth dist.	-10302 Jul 10 j 06:32	12°♉30'05	2.41819 AU
	-10302 Aug 02 j 08:47	0°♊	
conjunction	-10302 Aug 15 j 03:49	9°♊50'34	1°02'43
minimum elong	-10302 Aug 15 j 06:20	9°♊55'26	1°03'12
	-10302 Sep 10 j 01:46	0°♋	
morning rise	-10302 Oct 16 j 18:34	28°♋42'48	
	-10302 Oct 18 j 10:10	0°♌	
desc. node	-10302 Nov 21 j 16:15	26°♌28'42	
	-10302 Nov 26 j 07:05	0°♍	
	-10301 Jan 05 j 12:58	0°♎	
	-10301 Feb 16 j 23:50	0°♏	
	-10301 Apr 03 j 16:18	0°♐	
	-10301 May 25 j 06:46	0°♑	
retrograde	-10301 Aug 11 j 01:16	25°♑35'34	
opposition	-10301 Sep 19 j 16:17	15°♑58'06	-2°05'52
greatest brilliancy	-10301 Sep 19 j 17:40	15°♑56'42	-1.4m
min. Earth dist.	-10301 Sep 20 j 03:26	15°♑46'53	0.66592 AU
direct	-10301 Oct 29 j 23:16	6°♑10'03	
asc. node	-10301 Nov 13 j 10:55	7°♑23'46	
	-10300 Jan 13 j 13:23	0°♒	
	-10300 Mar 06 j 09:42	0°♓	
	-10300 Apr 21 j 10:57	0°♈	
	-10300 Jun 02 j 19:37	0°♉	
	-10300 Jul 12 j 18:57	0°♊	
evening set	-10300 Aug 17 j 08:41	27°♊36'46	
	-10300 Aug 20 j 09:48	0°♋	
	-10300 Sep 27 j 15:54	0°♌	
desc. node	-10300 Oct 08 j 11:27	8°♌25'58	
conjunction	-10300 Oct 19 j 12:43	17°♌00'05	-0°08'27
minimum elong	-10300 Oct 19 j 11:58	16°♌58'39	0°08'00
behind sun begin	-10300 Oct 18 j 11:58	16°♌12'18	
behind sun end	-10300 Oct 20 j 11:58	17°♌44'57	
	-10300 Nov 05 j 11:14	0°♍	
max. Earth dist.	-10300 Dec 02 j 22:17	20°♍39'11	2.42071 AU
	-10300 Dec 15 j 15:01	0°♎	
morning rise	-10300 Dec 22 j 06:34	4°♎50'15	
	-10299 Jan 26 j 18:12	0°♏	
	-10299 Mar 12 j 07:04	0°♐	
	-10299 Apr 28 j 17:51	0°♑	
	-10299 Jun 19 j 22:07	0°♒	
	-10299 Sep 11 j 13:17	0°♓	
retrograde	-10299 Sep 15 j 15:46	0°♓06'12	
	-10299 Sep 19 j 16:27	30°℞♒	
asc. node	-10299 Sep 30 j 13:58	28°♒38'43	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

opposition	-10299 Oct 23 j 23:18	21°♒12'50	0°57'48
greatest brilliancy	-10299 Oct 24 j 02:14	21°♒09'57	-1.5m
min. Earth dist.	-10299 Oct 28 j 02:32	19°♒35'22	0.63366 AU
direct	-10299 Dec 03 j 19:51	11°♒14'10	
	-10298 Feb 05 j 06:34	0°♓	
	-10298 Mar 29 j 08:53	0°♈	
	-10298 May 12 j 11:54	0°♉	
	-10298 Jun 22 j 04:07	0°♊	
	-10298 Jul 31 j 03:58	0°♋	
desc. node	-10298 Aug 26 j 11:02	20°♋28'42	
	-10298 Sep 07 j 17:02	0°♌	
	-10298 Oct 16 j 19:10	0°♍	
evening set	-10298 Oct 21 j 18:38	3°♍45'32	
	-10298 Nov 26 j 05:24	0°♎	
conjunction	-10298 Dec 19 j 13:27	16°♎43'47	-1°06'53
minimum elong	-10298 Dec 19 j 11:31	16°♎40'23	1°06'59
	-10297 Jan 07 j 12:29	0°♏	
max. Earth dist.	-10297 Jan 22 j 20:49	10°♏32'24	2.54264 AU
morning rise	-10297 Feb 13 j 01:39	24°♏49'02	
	-10297 Feb 20 j 21:04	0°♐	
	-10297 Apr 08 j 05:33	0°♑	
	-10297 May 26 j 13:13	0°♒	
	-10297 Jul 16 j 19:56	0°♓	
asc. node	-10297 Aug 18 j 12:47	17°♓14'16	
	-10297 Sep 16 j 14:35	0°♈	
retrograde	-10297 Oct 29 j 08:08	9°♈08'43	
opposition	-10297 Dec 04 j 03:01	1°♈29'25	4°28'29
greatest brilliancy	-10297 Dec 05 j 04:26	1°♈06'04	-1.9m
	-10297 Dec 08 j 04:09	30°℞♓	
min. Earth dist.	-10297 Dec 11 j 11:26	28°♓47'51	0.54375 AU
direct	-10296 Jan 12 j 13:37	22°♓12'50	
	-10296 Feb 18 j 06:42	0°♈	
	-10296 Apr 14 j 13:48	0°♉	
	-10296 May 28 j 08:55	0°♊	
	-10296 Jul 07 j 20:52	0°♋	
desc. node	-10296 Jul 13 j 13:00	4°♋17'04	
	-10296 Aug 16 j 10:47	0°♌	
	-10296 Sep 25 j 09:38	0°♍	
	-10296 Nov 05 j 13:45	0°♎	
evening set	-10296 Dec 14 j 13:01	27°♎18'45	
	-10296 Dec 18 j 11:01	0°♏	
	-10295 Feb 01 j 03:22	0°♐	
conjunction	-10295 Feb 04 j 19:08	2°♐24'24	-1°09'00
minimum elong	-10295 Feb 04 j 20:18	2°♐26'19	1°09'29
max. Earth dist.	-10295 Feb 21 j 03:56	13°♐06'32	2.62949 AU
	-10295 Mar 19 j 07:39	0°♑	
morning rise	-10295 Mar 26 j 10:50	4°♑34'15	
	-10295 May 05 j 11:13	0°♒	
	-10295 Jun 22 j 05:16	0°♓	
asc. node	-10295 Jul 05 j 07:17	8°♓08'37	
	-10295 Aug 09 j 21:17	0°♈	
	-10295 Sep 30 j 12:34	0°♉	
	-10295 Dec 12 j 12:53	0°♊	
retrograde	-10295 Dec 28 j 01:47	1°♊25'08	
	-10294 Jan 12 j 03:08	30°℞♉	
opposition	-10294 Jan 28 j 22:58	25°♉41'07	6°39'43
greatest brilliancy	-10294 Jan 30 j 14:41	25°♉11'13	-2.6m
min. Earth dist.	-10294 Feb 04 j 22:33	23°♉35'31	0.42345 AU
direct	-10294 Mar 04 j 09:02	18°♉57'38	
	-10294 Apr 16 j 15:29	0°♊	
desc. node	-10294 May 31 j 17:02	25°♊20'45	
	-10294 Jun 07 j 21:57	0°♋	
	-10294 Jul 21 j 21:43	0°♌	
	-10294 Sep 02 j 12:50	0°♍	
	-10294 Oct 15 j 13:55	0°♎	
	-10294 Nov 28 j 19:09	0°♏	
	-10293 Jan 13 j 08:11	0°♐	
evening set	-10293 Jan 27 j 22:49	9°♐28'03	
	-10293 Feb 28 j 21:17	0°♑	
conjunction	-10293 Mar 17 j 16:59	10°♑45'47	-0°37'10
minimum elong	-10293 Mar 17 j 18:18	10°♑47'54	0°37'44
max. Earth dist.	-10293 Mar 18 j 09:40	11°♑12'27	2.66481 AU
	-10293 Apr 16 j 18:33	0°♒	
morning rise	-10293 May 03 j 15:57	10°♒50'38	
asc. node	-10293 May 23 j 00:13	23°♒19'08	
	-10293 Jun 02 j 07:37	0°♓	
	-10293 Jul 18 j 03:07	0°♈	
	-10293 Sep 01 j 05:46	0°♉	
	-10293 Oct 16 j 03:16	0°♊	
	-10293 Dec 01 j 00:48	0°♋	
	-10292 Jan 21 j 17:40	0°♌	
retrograde	-10292 Mar 14 j 16:14	15°♌20'25	
min. Earth dist.	-10292 Apr 11 j 13:54	10°♌42'33	0.39192 AU
opposition	-10292 Apr 15 j 23:20	9°♌27'45	0°09'06
greatest brilliancy	-10292 Apr 15 j 22:56	9°♌28'02	-2.9m
desc. node	-10292 Apr 17 j 22:00	8°♌54'43	
direct	-10292 May 16 j 10:03	4°♌12'37	
	-10292 Jul 30 j 08:20	0°♍	
	-10292 Sep 19 j 06:20	0°♎	
	-10292 Nov 06 j 04:03	0°♏	
	-10292 Dec 23 j 16:52	0°♐	
	-10291 Feb 09 j 06:23	0°♑	
evening set	-10291 Mar 07 j 17:22	16°♑45'59	
	-10291 Mar 28 j 10:50	0°♒	
asc. node	-10291 Apr 08 j 18:01	7°♒16'01	
max. Earth dist.	-10291 Apr 10 j 19:06	8°♒35'12	2.64654 AU
conjunction	-10291 Apr 24 j 12:53	17°♒29'36	0°09'23
minimum elong	-10291 Apr 24 j 12:31	17°♒29'01	0°08'57
behind sun begin	-10291 Apr 23 j 19:58	17°♒02'07	
behind sun end	-10291 Apr 25 j 05:04	17°♒55'56	
	-10291 May 13 j 15:01	0°♓	
morning rise	-10291 Jun 10 j 10:00	18°♓31'20	
	-10291 Jun 27 j 08:02	0°♈	
	-10291 Aug 09 j 11:07	0°♉	
	-10291 Sep 20 j 05:58	0°♊	
	-10291 Oct 31 j 04:03	0°♋	
	-10291 Dec 11 j 00:47	0°♌	
	-10290 Jan 22 j 07:44	0°♍	
desc. node	-10290 Mar 05 j 22:44	27°♍05'11	
	-10290 Mar 11 j 03:24	0°♎	
retrograde	-10290 May 12 j 03:56	20°♎27'38	
min. Earth dist.	-10290 Jun 10 j 21:53	14°♎28'07	0.50101 AU
greatest brilliancy	-10290 Jun 17 j 07:58	12°♎08'21	-2.1m
opposition	-10290 Jun 18 j 18:32	11°♎36'45	-5°16'06
direct	-10290 Jul 22 j 20:28	4°♎21'43	
	-10290 Oct 08 j 12:58	0°♏	
	-10290 Dec 01 j 12:36	0°♐	
	-10289 Jan 20 j 14:41	0°♑	
asc. node	-10289 Feb 24 j 16:47	21°♑43'37	
	-10289 Mar 09 j 19:44	0°♒	
evening set	-10289 Apr 16 j 13:02	24°♒18'22	
	-10289 Apr 25 j 04:34	0°♓	
max. Earth dist.	-10289 May 08 j 12:39	8°♓52'43	2.57680 AU
conjunction	-10289 Jun 04 j 19:31	27°♓26'33	0°54'28
minimum elong	-10289 Jun 04 j 17:47	27°♓23'32	0°54'21
	-10289 Jun 08 j 12:14	0°♈	
	-10289 Jul 20 j 19:00	0°♉	
morning rise	-10289 Jul 24 j 22:51	3°♉01'27	
	-10289 Aug 30 j 09:04	0°♊	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10289 Oct 08 j 20:16	0°♋		
	-10289 Nov 16 j 22:55	0°♌		
	-10289 Dec 26 j 15:28	0°♍		
desc. node	-10288 Jan 21 j 18:29	19°♍06'33		
	-10288 Feb 06 j 03:33	0°♎		
	-10288 Mar 22 j 17:10	0°♏		
	-10288 May 21 j 15:45	0°♐		
retrograde	-10288 Jun 22 j 10:26	5°♐55'36		
	-10288 Jul 21 j 22:39	30°℞♏		
min. Earth dist.	-10288 Jul 27 j 08:14	27°♏55'43	0.60868 AU	
greatest brilliancy	-10288 Jul 31 j 07:09	26°♏21'16	-1.6m	
opposition	-10288 Aug 01 j 02:07	26°♏02'22	-5°07'12	
direct	-10288 Sep 07 j 12:38	17°♏17'52		
	-10288 Oct 29 j 04:06	0°♐		
	-10288 Dec 27 j 23:52	0°♑		
asc. node	-10287 Jan 11 j 19:28	8°♑25'57		
	-10287 Feb 16 j 23:28	0°♒		
	-10287 Apr 05 j 06:37	0°♓		
	-10287 May 19 j 17:14	0°♈		
evening set	-10287 May 30 j 04:24	7°♈19'48		
max. Earth dist.	-10287 Jun 15 j 10:41	18°♈54'59	2.46538 AU	
	-10287 Jun 30 j 16:42	0°♉		
conjunction	-10287 Jul 23 j 04:30	16°♉41'58	1°12'19	
minimum elong	-10287 Jul 23 j 05:06	16°♉43'05	1°12'42	
	-10287 Aug 09 j 18:03	0°♊		
	-10287 Sep 17 j 14:20	0°♋		
morning rise	-10287 Sep 19 j 18:57	1°♋42'31		
	-10287 Oct 26 j 01:35	0°♌		
	-10287 Dec 04 j 00:57	0°♍		
desc. node	-10287 Dec 08 j 13:47	3°♍26'07		
	-10286 Jan 13 j 09:59	0°♎		
	-10286 Feb 25 j 04:40	0°♏		
	-10286 Apr 12 j 22:18	0°♐		
	-10286 Jun 08 j 12:41	0°♑		
retrograde	-10286 Jul 28 j 11:41	12°♑29'38		
min. Earth dist.	-10286 Sep 05 j 08:15	3°♑05'43	0.66178 AU	
opposition	-10286 Sep 06 j 08:25	2°♑41'19	-3°06'46	
greatest brilliancy	-10286 Sep 06 j 06:30	2°♑43'16	-1.4m	
	-10286 Sep 13 j 03:10	30°℞♐		
direct	-10286 Oct 16 j 01:28	23°♐05'46		
	-10286 Nov 21 j 15:46	0°♑		
asc. node	-10286 Nov 30 j 00:17	3°♑00'47		
	-10285 Jan 24 j 17:21	0°♒		
	-10285 Mar 15 j 21:29	0°♓		
	-10285 Apr 30 j 05:15	0°♈		
	-10285 Jun 11 j 08:37	0°♉		
	-10285 Jul 21 j 06:54	0°♊		
evening set	-10285 Jul 24 j 08:39	2°♊21'33		
	-10285 Aug 28 j 21:55	0°♋		
conjunction	-10285 Sep 23 j 23:07	20°♋26'24	0°24'24	
minimum elong	-10285 Sep 24 j 01:19	20°♋30'43	0°24'57	
	-10285 Oct 06 j 04:03	0°♌		
max. Earth dist.	-10285 Oct 12 j 21:57	5°♌15'55	2.38417 AU	
desc. node	-10285 Oct 26 j 07:48	15°♌40'59		
	-10285 Nov 13 j 22:58	0°♍		
morning rise	-10285 Nov 28 j 06:48	10°♍51'24		
	-10285 Dec 24 j 02:04	0°♎		
	-10284 Feb 04 j 05:49	0°♏		
	-10284 Mar 20 j 00:30	0°♐		
	-10284 May 07 j 09:37	0°♑		
	-10284 Jul 02 j 13:58	0°♒		
retrograde	-10284 Aug 31 j 23:17	16°♒38'24		
opposition	-10284 Oct 09 j 22:12	7°♒24'46	-0°17'33	
greatest brilliancy	-10284 Oct 09 j 23:06	7°♒23'53	-1.4m	
min. Earth dist.	-10284 Oct 12 j 15:16	6°♒20'02	0.65349 AU	
asc. node	-10284 Oct 17 j 04:26	4°♒33'13		
	-10284 Oct 31 j 01:14	30°℞♑		
direct	-10284 Nov 19 j 17:32	27°♑26'04		
	-10284 Dec 10 j 21:15	0°♒		
	-10283 Feb 18 j 04:48	0°♓		
	-10283 Apr 07 j 17:34	0°♈		
	-10283 May 20 j 21:42	0°♉		
	-10283 Jun 30 j 04:53	0°♊		
	-10283 Aug 07 j 23:45	0°♋		
desc. node	-10283 Sep 12 j 04:09	27°♋30'37		
	-10283 Sep 15 j 08:48	0°♌		
evening set	-10283 Sep 26 j 23:09	9°♌00'43		
	-10283 Oct 24 j 07:07	0°♍		
conjunction	-10283 Nov 27 j 10:17	25°♍30'34	-0°51'14	
minimum elong	-10283 Nov 27 j 07:23	25°♍25'14	0°51'06	
	-10283 Dec 03 j 13:35	0°♎		
max. Earth dist.	-10282 Jan 07 j 11:06	24°♎55'58	2.49690 AU	
	-10282 Jan 14 j 17:38	0°♏		
morning rise	-10282 Jan 25 j 03:34	7°♏10'58		
	-10282 Feb 28 j 01:45	0°♐		
	-10282 Apr 15 j 16:10	0°♑		
	-10282 Jun 03 j 22:09	0°♒		
	-10282 Jul 28 j 12:30	0°♓		
asc. node	-10282 Sep 04 j 05:18	16°♓10'30		
retrograde	-10282 Oct 10 j 23:55	23°♓10'06		
opposition	-10282 Nov 16 j 22:34	14°♓57'01	3°05'23	
greatest brilliancy	-10282 Nov 17 j 13:10	14°♓43'07	-1.7m	
min. Earth dist.	-10282 Nov 23 j 03:37	12°♓35'21	0.58520 AU	
direct	-10282 Dec 27 j 06:06	5°♓14'14		
	-10281 Mar 10 j 06:03	0°♈		
	-10281 Apr 27 j 03:18	0°♉		
	-10281 Jun 08 j 02:39	0°♊		
	-10281 Jul 17 j 18:40	0°♋		
desc. node	-10281 Jul 31 j 05:11	10°♋19'29		
	-10281 Aug 25 j 19:10	0°♌		
	-10281 Oct 04 j 07:11	0°♍		
	-10281 Nov 14 j 02:05	0°♎		
evening set	-10281 Nov 25 j 18:37	8°♎22'15		
	-10281 Dec 26 j 16:01	0°♏		
conjunction	-10280 Jan 19 j 05:48	16°♏03'07	-1°13'35	
minimum elong	-10280 Jan 19 j 06:04	16°♏03'33	1°13'57	
	-10280 Feb 09 j 03:46	0°♐		
max. Earth dist.	-10280 Feb 11 j 07:33	1°♐25'29	2.60141 AU	
morning rise	-10280 Mar 10 j 18:05	19°♐59'18		
	-10280 Mar 26 j 07:44	0°♑		
	-10280 May 12 j 18:25	0°♒		
	-10280 Jun 30 j 10:21	0°♓		
asc. node	-10280 Jul 22 j 01:48	12°♓58'43		
	-10280 Aug 20 j 12:42	0°♈		
	-10280 Oct 21 j 00:04	0°♉		
retrograde	-10280 Dec 01 j 11:02	8°♉48'20		
opposition	-10279 Jan 04 j 01:32	2°♉15'40	6°18'56	
greatest brilliancy	-10279 Jan 05 j 18:16	1°♉41'47	-2.3m	
	-10279 Jan 10 j 21:12	30°℞♈		
min. Earth dist.	-10279 Jan 12 j 05:06	29°♈34'13	0.46968 AU	
direct	-10279 Feb 09 j 23:01	24°♈17'27		
	-10279 Mar 12 j 06:27	0°♉		
	-10279 May 08 j 10:47	0°♊		
desc. node	-10279 Jun 17 j 09:17	27°♊13'08		
	-10279 Jun 21 j 06:58	0°♋		
	-10279 Aug 01 j 14:30	0°♌		
	-10279 Sep 11 j 17:54	0°♍		
	-10279 Oct 23 j 19:22	0°♎		
	-10279 Dec 06 j 08:20	0°♏		
evening set	-10278 Jan 11 j 12:57	24°♏08'40		

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10278 Jan 20 j 10:56	0°♐	
conjunction	-10278 Mar 02 j 07:23	26°♐28'43	-0°52'07
minimum elong	-10278 Mar 02 j 08:57	26°♐31'15	0°52'42
	-10278 Mar 07 j 18:58	0°♑	
max. Earth dist.	-10278 Mar 08 j 23:25	0°♑45'38	2.65747 AU
morning rise	-10278 Apr 18 j 23:39	26°♑59'10	
	-10278 Apr 23 j 16:58	0°♒	
asc. node	-10278 Jun 08 j 18:53	29°♒28'52	
	-10278 Jun 09 j 14:17	0°♓	
	-10278 Jul 26 j 04:43	0°♈	
	-10278 Sep 10 j 19:48	0°♉	
	-10278 Oct 28 j 17:09	0°♊	
	-10278 Dec 21 j 17:49	0°♋	
retrograde	-10277 Feb 13 j 23:57	15°♋07'46	
opposition	-10277 Mar 16 j 18:31	9°♋58'51	3°49'11
greatest brilliancy	-10277 Mar 17 j 00:58	9°♋54'33	-2.9m
min. Earth dist.	-10277 Mar 17 j 08:20	9°♋49'38	0.38272 AU
direct	-10277 Apr 16 j 08:33	4°♋49'07	
desc. node	-10277 May 05 j 13:07	7°♋07'21	
	-10277 Jun 27 j 14:36	0°♌	
	-10277 Aug 15 j 18:11	0°♍	
	-10277 Sep 30 j 19:38	0°♎	
	-10277 Nov 15 j 17:28	0°♏	
	-10276 Jan 01 j 06:10	0°♐	
	-10276 Feb 17 j 07:35	0°♑	
evening set	-10276 Feb 21 j 12:38	2°♑40'47	
max. Earth dist.	-10276 Apr 01 j 04:51	27°♑59'55	2.66019 AU
	-10276 Apr 04 j 07:44	0°♒	
conjunction	-10276 Apr 09 j 10:17	3°♒16'46	-0°09'29
minimum elong	-10276 Apr 09 j 10:40	3°♒17'23	0°09'59
behind sun begin	-10276 Apr 08 j 19:13	2°♒52'34	
behind sun end	-10276 Apr 10 j 02:07	3°♒42'13	
asc. node	-10276 Apr 25 j 11:39	13°♒38'23	
	-10276 May 20 j 14:07	0°♓	
morning rise	-10276 May 25 j 23:52	3°♓33'17	
	-10276 Jul 04 j 15:18	0°♈	
	-10276 Aug 17 j 08:38	0°♉	
	-10276 Sep 28 j 23:45	0°♊	
	-10276 Nov 10 j 00:54	0°♋	
	-10276 Dec 22 j 13:09	0°♌	
	-10275 Feb 06 j 06:51	0°♍	
desc. node	-10275 Mar 22 j 16:44	22°♍16'44	
retrograde	-10275 Apr 22 j 02:47	28°♍11'25	
min. Earth dist.	-10275 May 19 j 23:28	23°♍01'44	0.45156 AU
greatest brilliancy	-10275 May 26 j 18:59	20°♍44'56	-2.4m
opposition	-10275 May 28 j 00:51	20°♍19'45	-4°07'59
direct	-10275 Jun 29 j 12:10	13°♍53'30	
	-10275 Aug 25 j 23:09	0°♎	
	-10275 Oct 21 j 00:57	0°♏	
	-10275 Dec 10 j 08:53	0°♐	
	-10274 Jan 28 j 04:16	0°♑	
asc. node	-10274 Mar 13 j 07:37	27°♑43'58	
	-10274 Mar 16 j 21:04	0°♒	
evening set	-10274 Mar 31 j 19:37	9°♒34'32	
max. Earth dist.	-10274 Apr 27 j 04:18	26°♒44'24	2.61002 AU
	-10274 May 02 j 02:53	0°♓	
conjunction	-10274 May 19 j 04:21	11°♓22'05	0°38'23
minimum elong	-10274 May 19 j 02:56	11°♓19'42	0°38'08
	-10274 Jun 15 j 13:12	0°♈	
morning rise	-10274 Jul 06 j 12:16	14°♈37'11	
	-10274 Jul 28 j 02:34	0°♉	
	-10274 Sep 07 j 01:49	0°♊	
	-10274 Oct 16 j 23:36	0°♋	
	-10274 Nov 25 j 13:36	0°♌	
	-10273 Jan 04 j 20:23	0°♍	
desc. node	-10273 Feb 07 j 15:24	24°♍00'49	
	-10273 Feb 16 j 10:46	0°♎	
	-10273 Apr 06 j 13:26	0°♏	
retrograde	-10273 Jun 08 j 04:02	19°♏58'18	
min. Earth dist.	-10273 Jul 11 j 03:47	12°♏41'33	0.57167 AU
greatest brilliancy	-10273 Jul 16 j 04:25	10°♏44'00	-1.8m
opposition	-10273 Jul 17 j 07:27	10°♏17'36	-5°31'12
direct	-10273 Aug 22 j 12:59	2°♏02'42	
	-10273 Nov 14 j 02:06	0°♐	
	-10272 Jan 07 j 01:54	0°♑	
asc. node	-10272 Jan 29 j 08:50	13°♑15'51	
	-10272 Feb 25 j 15:21	0°♒	
	-10272 Apr 12 j 11:24	0°♓	
evening set	-10272 May 11 j 22:40	19°♓45'06	
	-10272 May 26 j 19:48	0°♈	
max. Earth dist.	-10272 May 28 j 20:47	1°♈25'15	2.51236 AU
conjunction	-10272 Jul 02 j 14:37	26°♈09'11	1°11'08
minimum elong	-10272 Jul 02 j 13:38	26°♈07'24	1°11'19
	-10272 Jul 07 j 21:17	0°♉	
	-10272 Aug 17 j 02:38	0°♊	
morning rise	-10272 Aug 26 j 05:39	6°♊57'07	
	-10272 Sep 25 j 03:40	0°♋	
	-10272 Nov 02 j 19:30	0°♌	
	-10272 Dec 11 j 23:27	0°♍	
desc. node	-10272 Dec 25 j 09:13	10°♍03'24	
	-10271 Jan 21 j 14:56	0°♎	
	-10271 Mar 05 j 23:58	0°♏	
	-10271 Apr 23 j 17:00	0°♐	
retrograde	-10271 Jul 14 j 19:51	29°♐01'00	
min. Earth dist.	-10271 Aug 21 j 06:20	20°♐06'30	0.64804 AU
opposition	-10271 Aug 23 j 18:01	19°♐06'19	-4°00'52
greatest brilliancy	-10271 Aug 23 j 10:36	19°♐13'48	-1.4m
direct	-10271 Oct 01 j 16:44	9°♐47'26	
	-10271 Dec 09 j 10:11	0°♑	
asc. node	-10271 Dec 16 j 13:21	3°♑27'48	
	-10270 Feb 03 j 03:51	0°♒	
	-10270 Mar 23 j 20:00	0°♓	
	-10270 May 07 j 17:04	0°♈	
	-10270 Jun 18 j 17:53	0°♉	
evening set	-10270 Jul 01 j 07:36	9°♉18'01	
	-10270 Jul 28 j 16:34	0°♊	
max. Earth dist.	-10270 Jul 31 j 22:41	2°♊29'46	2.39622 AU
conjunction	-10270 Aug 29 j 01:07	24°♊16'41	0°51'53
minimum elong	-10270 Aug 29 j 04:15	24°♊22'49	0°52'24
	-10270 Sep 05 j 08:47	0°♋	
	-10270 Oct 13 j 15:49	0°♌	
morning rise	-10270 Nov 01 j 07:52	14°♌31'20	
desc. node	-10270 Nov 12 j 03:02	22°♌51'08	
	-10270 Nov 21 j 11:10	0°♍	
	-10270 Dec 31 j 14:54	0°♎	
	-10269 Feb 11 j 21:23	0°♏	
	-10269 Mar 29 j 02:48	0°♐	
	-10269 May 18 j 02:16	0°♑	
	-10269 Jul 24 j 21:55	0°♒	
retrograde	-10269 Aug 18 j 23:13	3°♒32'04	
	-10269 Sep 11 j 01:00	30°℞♑	
opposition	-10269 Sep 27 j 09:30	24°♑02'05	-1°27'38
greatest brilliancy	-10269 Sep 27 j 11:32	24°♑00'02	-1.4m
min. Earth dist.	-10269 Sep 28 j 15:40	23°♑31'48	0.66403 AU
asc. node	-10269 Nov 03 j 18:25	14°♑12'55	
direct	-10269 Nov 06 j 22:10	14°♑09'06	
	-10268 Jan 04 j 15:16	0°♒	
	-10268 Feb 29 j 10:49	0°♓	
	-10268 Apr 16 j 05:39	0°♈	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10268 May 28 j 20:52	0°♉	
	-10268 Jul 07 j 23:08	0°♊	
	-10268 Aug 15 j 15:29	0°♋	
evening set	-10268 Aug 31 j 23:53	12°♋49'10	
	-10268 Sep 22 j 22:15	0°♌	
desc. node	-10268 Sep 28 j 22:52	4°♌42'04	
	-10268 Oct 31 j 17:57	0°♍	
conjunction	-10268 Nov 03 j 01:55	1°♍46'29	-0°26'01
minimum elong	-10268 Nov 02 j 23:46	1°♍42'24	0°25'39
	-10268 Dec 10 j 21:41	0°♎	
max. Earth dist.	-10268 Dec 18 j 05:40	5°♎20'17	2.44739 AU
morning rise	-10267 Jan 04 j 04:45	17°♎30'15	
	-10267 Jan 21 j 23:46	0°♏	
	-10267 Mar 07 j 09:18	0°♐	
	-10267 Apr 23 j 09:53	0°♑	
	-10267 Jun 13 j 04:01	0°♒	
	-10267 Aug 14 j 10:12	0°♓	
asc. node	-10267 Sep 20 j 21:23	8°♓26'33	
retrograde	-10267 Sep 24 j 12:25	8°♓31'25	
opposition	-10267 Nov 01 j 09:32	29°♒50'56	1°43'27
	-10267 Nov 01 j 00:12	30°℞♒	
greatest brilliancy	-10267 Nov 01 j 15:50	29°♒44'49	-1.6m
min. Earth dist.	-10267 Nov 06 j 06:52	27°♒56'44	0.61868 AU
direct	-10267 Dec 12 j 03:27	19°♒55'21	
	-10266 Jan 24 j 23:39	0°♓	
	-10266 Mar 22 j 18:20	0°♈	
	-10266 May 06 j 20:27	0°♉	
	-10266 Jun 16 j 21:38	0°♊	
	-10266 Jul 26 j 02:21	0°♋	
desc. node	-10266 Aug 16 j 21:22	16°♋54'30	
	-10266 Sep 02 j 18:39	0°♌	
	-10266 Oct 11 j 23:28	0°♍	
evening set	-10266 Nov 04 j 01:16	17°♍14'08	
	-10266 Nov 21 j 11:52	0°♎	
conjunction	-10266 Dec 31 j 04:58	28°♎10'21	-1°11'37
minimum elong	-10266 Dec 31 j 03:52	28°♎08'28	1°11'49
	-10265 Jan 02 j 20:16	0°♏	
max. Earth dist.	-10265 Jan 30 j 11:17	18°♏50'24	2.56556 AU
	-10265 Feb 16 j 04:53	0°♐	
morning rise	-10265 Feb 23 j 02:55	4°♐33'53	
	-10265 Apr 03 j 10:20	0°♑	
	-10265 May 21 j 08:14	0°♒	
	-10265 Jul 10 j 09:57	0°♓	
asc. node	-10265 Aug 08 j 19:31	16°♓30'05	
	-10265 Sep 04 j 05:59	0°♈	
retrograde	-10265 Nov 09 j 18:06	19°♈25'55	
opposition	-10265 Dec 14 j 20:18	12°♈08'02	5°13'24
greatest brilliancy	-10265 Dec 16 j 04:06	11°♈39'37	-2.0m
min. Earth dist.	-10265 Dec 22 j 16:40	9°♈20'36	0.51837 AU
direct	-10264 Jan 22 j 13:47	3°♈13'17	
	-10264 Apr 05 j 19:25	0°♉	
	-10264 May 21 j 16:16	0°♊	
	-10264 Jul 01 j 22:59	0°♋	
desc. node	-10264 Jul 04 j 00:39	1°♋32'25	
	-10264 Aug 10 j 23:24	0°♌	
	-10264 Sep 20 j 05:41	0°♍	
	-10264 Oct 31 j 15:30	0°♎	
	-10264 Dec 13 j 16:51	0°♏	
evening set	-10264 Dec 25 j 03:25	7°♏46'06	
	-10263 Jan 27 j 11:53	0°♐	
conjunction	-10263 Feb 14 j 08:51	11°♐41'46	-1°03'58
minimum elong	-10263 Feb 14 j 10:18	11°♐44'08	1°04'30
max. Earth dist.	-10263 Feb 27 j 02:38	19°♐57'38	2.64187 AU
	-10263 Mar 14 j 16:38	0°♑	

morning rise	-10263 Apr 04 j 04:11	13°♑06'30	
	-10263 Apr 30 j 17:19	0°♒	
	-10263 Jun 17 j 02:28	0°♓	
asc. node	-10263 Jun 25 j 13:11	5°♓19'58	
	-10263 Aug 03 j 20:32	0°♈	
	-10263 Sep 22 j 01:09	0°♉	
	-10263 Nov 16 j 08:27	0°♊	
retrograde	-10262 Jan 13 j 15:24	16°♊19'29	
opposition	-10262 Feb 13 j 19:48	10°♊57'25	6°12'20
greatest brilliancy	-10262 Feb 15 j 02:43	10°♊35'19	-2.7m
min. Earth dist.	-10262 Feb 19 j 02:54	9°♊26'58	0.40293 AU
direct	-10262 Mar 18 j 16:47	4°♊55'39	
desc. node	-10262 May 22 j 06:33	26°♊43'32	
	-10262 May 28 j 00:29	0°♋	
	-10262 Jul 14 j 07:37	0°♌	
	-10262 Aug 27 j 07:04	0°♍	
	-10262 Oct 10 j 02:18	0°♎	
	-10262 Nov 23 j 18:17	0°♏	
	-10261 Jan 08 j 13:56	0°♐	
evening set	-10261 Feb 06 j 01:45	18°♐21'02	
	-10261 Feb 24 j 06:28	0°♑	
max. Earth dist.	-10261 Mar 23 j 22:28	17°♑40'45	2.66552 AU
conjunction	-10261 Mar 26 j 10:12	19°♑16'12	-0°27'25
minimum elong	-10261 Mar 26 j 11:14	19°♑17'51	0°27'59
	-10261 Apr 12 j 04:20	0°♒	
morning rise	-10261 May 12 j 02:53	19°♒17'07	
asc. node	-10261 May 13 j 05:17	19°♒59'51	
	-10261 May 28 j 14:44	0°♓	
	-10261 Jul 13 j 02:48	0°♈	
	-10261 Aug 26 j 15:34	0°♉	
	-10261 Oct 09 j 12:47	0°♊	
	-10261 Nov 22 j 12:51	0°♋	
	-10260 Jan 07 j 18:53	0°♌	
	-10260 Mar 12 j 05:49	0°♍	
retrograde	-10260 Mar 29 j 14:52	2°♍01'52	
desc. node	-10260 Apr 08 j 10:05	1°♍22'20	
	-10260 Apr 16 j 01:12	30°℞♌	
min. Earth dist.	-10260 Apr 25 j 21:34	27°♌23'18	0.40861 AU
opposition	-10260 May 02 j 07:17	25°♌27'27	-1°45'45
greatest brilliancy	-10260 May 01 j 19:35	25°♌36'17	-2.7m
direct	-10260 Jun 02 j 04:39	19°♌51'08	
	-10260 Jul 15 j 13:39	0°♍	
	-10260 Sep 11 j 13:44	0°♎	
	-10260 Oct 31 j 06:30	0°♏	
	-10260 Dec 18 j 13:42	0°♐	
	-10259 Feb 04 j 11:58	0°♑	
evening set	-10259 Mar 16 j 11:17	25°♑17'22	
	-10259 Mar 23 j 20:14	0°♒	
asc. node	-10259 Mar 30 j 00:01	3°♒56'50	
max. Earth dist.	-10259 Apr 16 j 16:03	15°♒21'18	2.63579 AU
conjunction	-10259 May 03 j 08:56	26°♒15'47	0°20'16
minimum elong	-10259 May 03 j 08:09	26°♒14'29	0°19'53
	-10259 May 09 j 01:07	0°♓	
morning rise	-10259 Jun 19 j 14:24	27°♓54'20	
	-10259 Jun 22 j 15:49	0°♈	
	-10259 Aug 04 j 13:57	0°♉	
	-10259 Sep 15 j 01:01	0°♊	
	-10259 Oct 25 j 12:58	0°♋	
	-10259 Dec 04 j 19:41	0°♌	
	-10258 Jan 15 j 02:46	0°♍	
desc. node	-10258 Feb 24 j 09:33	27°♍07'11	
	-10258 Mar 01 j 00:20	0°♎	
	-10258 May 04 j 13:53	0°♏	
retrograde	-10258 May 22 j 12:18	2°♏07'47	
	-10258 Jun 08 j 15:20	30°℞♎	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

min. Earth dist.	-10258 Jun 22 j 10:37	25°♎39'22	0.52768 AU
greatest brilliancy	-10258 Jun 28 j 09:54	23°♎25'00	-2.0m
opposition	-10258 Jun 29 j 19:10	22°♎53'37	-5°31'50
direct	-10258 Aug 03 j 16:03	15°♎15'02	
	-10258 Sep 28 j 04:19	0°♏	
	-10258 Nov 25 j 05:42	0°♐	
	-10257 Jan 15 j 09:28	0°♑	
asc. node	-10257 Feb 14 j 23:43	18°♑43'22	
	-10257 Mar 05 j 00:29	0°♒	
	-10257 Apr 20 j 13:14	0°♓	
evening set	-10257 Apr 25 j 21:52	3°♓32'56	
max. Earth dist.	-10257 May 15 j 18:56	16°♓53'26	2.55556 AU
	-10257 Jun 03 j 21:26	0°♈	
conjunction	-10257 Jun 14 j 20:59	7°♈39'55	1°02'07
minimum elong	-10257 Jun 14 j 19:18	7°♈36'58	1°02'07
	-10257 Jul 16 j 02:46	0°♉	
morning rise	-10257 Aug 05 j 08:11	14°♉51'26	
	-10257 Aug 25 j 13:52	0°♊	
	-10257 Oct 03 j 21:21	0°♋	
	-10257 Nov 11 j 19:30	0°♌	
	-10257 Dec 21 j 06:06	0°♍	
desc. node	-10256 Jan 12 j 05:44	16°♍16'05	
	-10256 Jan 31 j 07:57	0°♎	
	-10256 Mar 15 j 18:24	0°♏	
	-10256 May 07 j 20:52	0°♐	
retrograde	-10256 Jun 30 j 18:36	14°♐52'45	
min. Earth dist.	-10256 Aug 05 j 15:17	6°♐32'08	0.62514 AU
opposition	-10256 Aug 09 j 14:24	4°♐56'52	-4°46'17
greatest brilliancy	-10256 Aug 08 j 23:50	5°♐11'27	-1.5m
	-10256 Aug 23 j 00:15	30°℞♏	
direct	-10256 Sep 16 j 14:51	25°♏58'48	
	-10256 Oct 13 j 16:13	0°♐	
	-10256 Dec 21 j 09:49	0°♑	
asc. node	-10255 Jan 02 j 03:29	6°♑24'43	
	-10255 Feb 11 j 16:23	0°♒	
	-10255 Mar 31 j 10:04	0°♓	
	-10255 May 15 j 00:19	0°♈	
evening set	-10255 Jun 10 j 08:06	18°♈36'25	
	-10255 Jun 26 j 00:31	0°♉	
max. Earth dist.	-10255 Jun 28 j 02:12	1°♉31'14	2.43875 AU
conjunction	-10255 Aug 04 j 22:08	29°♉54'32	1°08'19
minimum elong	-10255 Aug 04 j 23:52	29°♉57'50	1°08'47
	-10255 Aug 05 j 01:00	0°♊	
	-10255 Sep 12 j 19:53	0°♋	
morning rise	-10255 Oct 04 j 19:53	17°♋11'49	
	-10255 Oct 21 j 05:23	0°♌	
desc. node	-10255 Nov 28 j 23:03	29°♌53'05	
	-10255 Nov 29 j 02:41	0°♍	
	-10254 Jan 08 j 08:48	0°♎	
	-10254 Feb 19 j 20:54	0°♏	
	-10254 Apr 06 j 20:22	0°♐	
	-10254 May 29 j 20:29	0°♑	
retrograde	-10254 Aug 05 j 07:06	20°♑28'56	
opposition	-10254 Sep 14 j 01:11	10°♑45'59	-2°32'09
greatest brilliancy	-10254 Sep 14 j 01:21	10°♑45'49	-1.4m
min. Earth dist.	-10254 Sep 13 j 20:03	10°♑51'10	0.66527 AU
direct	-10254 Oct 24 j 02:27	1°♑03'08	
asc. node	-10254 Nov 20 j 08:51	5°♑06'01	
	-10253 Jan 17 j 19:41	0°♒	
	-10253 Mar 10 j 11:10	0°♓	
	-10253 Apr 25 j 05:56	0°♈	
	-10253 Jun 06 j 13:24	0°♉	
	-10253 Jul 16 j 12:57	0°♊	
evening set	-10253 Aug 07 j 06:55	16°♊48'31	
	-10253 Aug 24 j 04:08	0°♋	
	-10253 Oct 01 j 09:54	0°♌	
conjunction	-10253 Oct 09 j 00:36	5°♌56'43	0°05'55
minimum elong	-10253 Oct 09 j 01:12	5°♌57'53	0°06'25
behind sun begin	-10253 Oct 07 j 23:45	5°♌08'17	
behind sun end	-10253 Oct 10 j 02:39	6°♌47'27	
desc. node	-10253 Oct 16 j 17:19	11°♌55'59	
	-10253 Nov 09 j 04:15	0°♍	
max. Earth dist.	-10253 Nov 16 j 22:32	5°♍54'08	2.40103 AU
morning rise	-10253 Dec 12 j 18:34	25°♍13'24	
	-10253 Dec 19 j 06:39	0°♎	
	-10252 Jan 30 j 08:31	0°♏	
	-10252 Mar 14 j 22:07	0°♐	
	-10252 May 01 j 15:16	0°♑	
	-10252 Jun 24 j 00:27	0°♒	
retrograde	-10252 Sep 09 j 07:18	24°♒44'26	
asc. node	-10252 Oct 07 j 12:26	19°♒36'20	
opposition	-10252 Oct 17 j 22:11	15°♒41'23	0°25'26
greatest brilliancy	-10252 Oct 17 j 23:17	15°♒40'18	-1.5m
min. Earth dist.	-10252 Oct 21 j 09:42	14°♒18'48	0.64379 AU
direct	-10252 Nov 27 j 18:51	5°♒42'01	
	-10251 Feb 10 j 12:44	0°♓	
	-10251 Apr 01 j 22:07	0°♈	
	-10251 May 15 j 15:53	0°♉	
	-10251 Jun 25 j 04:42	0°♊	
	-10251 Aug 03 j 02:35	0°♋	
desc. node	-10251 Sep 02 j 16:06	23°♋51'16	
	-10251 Sep 10 j 13:26	0°♌	
evening set	-10251 Oct 11 j 04:47	23°♌38'54	
	-10251 Oct 19 j 12:55	0°♍	
	-10251 Nov 28 j 20:16	0°♎	
conjunction	-10251 Dec 10 j 06:50	8°♎17'00	-1°01'19
minimum elong	-10251 Dec 10 j 04:21	8°♎12'32	1°01'20
	-10250 Jan 10 j 00:27	0°♏	
max. Earth dist.	-10250 Jan 16 j 20:27	4°♏43'30	2.52271 AU
morning rise	-10250 Feb 05 j 04:33	17°♏54'06	
	-10250 Feb 23 j 07:24	0°♐	
	-10250 Apr 10 j 16:48	0°♑	
	-10250 May 29 j 07:49	0°♒	
	-10250 Jul 20 j 16:40	0°♓	
asc. node	-10250 Aug 25 j 12:12	17°♓41'32	
	-10250 Sep 30 j 01:31	0°♈	
retrograde	-10250 Oct 21 j 04:08	2°♈31'01	
	-10250 Nov 09 j 21:38	30°℞♓	
opposition	-10250 Nov 26 j 12:25	24°♓35'36	3°52'56
greatest brilliancy	-10250 Nov 27 j 08:51	24°♓16'31	-1.8m
min. Earth dist.	-10250 Dec 03 j 09:19	22°♓01'52	0.56328 AU
direct	-10249 Jan 05 j 09:54	15°♓05'31	
	-10249 Feb 27 j 20:21	0°♈	
	-10249 Apr 20 j 07:38	0°♉	
	-10249 Jun 02 j 05:27	0°♊	
	-10249 Jul 12 j 08:04	0°♋	
desc. node	-10249 Jul 21 j 17:43	7°♋09'43	
	-10249 Aug 20 j 15:14	0°♌	
	-10249 Sep 29 j 08:05	0°♍	
	-10249 Nov 09 j 06:49	0°♎	
evening set	-10249 Dec 07 j 05:55	19°♎47'59	
	-10249 Dec 21 j 23:17	0°♏	
conjunction	-10248 Jan 29 j 10:45	25°♏58'57	-1°11'36
minimum elong	-10248 Jan 29 j 11:36	26°♏00'22	1°12'02
	-10248 Feb 04 j 12:21	0°♐	
max. Earth dist.	-10248 Feb 17 j 17:36	8°♐41'31	2.61781 AU
morning rise	-10248 Mar 19 j 20:55	28°♐51'55	
	-10248 Mar 21 j 15:22	0°♑	
	-10248 May 07 j 21:14	0°♒	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10248 Jun 24 j 23:35	0°♓		
asc. node	-10248 Jul 12 j 07:04	10°♓37'54		
	-10248 Aug 13 j 12:30	0°♈		
	-10248 Oct 06 j 21:46	0°♉		
retrograde	-10248 Dec 15 j 23:47	21°♉31'44		
opposition	-10247 Jan 17 j 14:52	15°♉26'19	6°38'27	
greatest brilliancy	-10247 Jan 19 j 09:09	14°♉52'58	-2.4m	
min. Earth dist.	-10247 Jan 25 j 09:11	13°♉00'08	0.44325 AU	
direct	-10247 Feb 22 j 05:55	8°♉07'48		
	-10247 Apr 27 j 14:05	0°♊		
desc. node	-10247 Jun 07 j 21:37	26°♊03'21		
	-10247 Jun 13 j 16:27	0°♋		
	-10247 Jul 26 j 05:50	0°♌		
	-10247 Sep 06 j 02:04	0°♍		
	-10247 Oct 18 j 14:45	0°♎		
	-10247 Dec 01 j 11:04	0°♏		
	-10246 Jan 15 j 18:23	0°♐		
evening set	-10246 Jan 21 j 01:13	3°♐26'46		
	-10246 Mar 03 j 04:24	0°♑		
conjunction	-10246 Mar 11 j 05:17	5°♑08'59	-0°43'45	
minimum elong	-10246 Mar 11 j 06:45	5°♑11'20	0°44'20	
max. Earth dist.	-10246 Mar 14 j 14:04	7°♑18'18	2.66253 AU	
	-10246 Apr 19 j 01:41	0°♒		
morning rise	-10246 Apr 27 j 10:45	5°♒21'50		
asc. node	-10246 May 29 j 23:49	26°♒16'27		
	-10246 Jun 04 j 18:23	0°♓		
	-10246 Jul 20 j 21:50	0°♈		
	-10246 Sep 04 j 15:09	0°♉		
	-10246 Oct 20 j 14:31	0°♊		
	-10246 Dec 07 j 19:28	0°♋		
	-10245 Feb 10 j 23:22	0°♌		
retrograde	-10245 Mar 03 j 03:51	2°♌33'22		
	-10245 Mar 23 j 10:12	30°℞♋		
min. Earth dist.	-10245 Apr 01 j 05:51	27°♋44'39	0.38405 AU	
opposition	-10245 Apr 03 j 12:46	27°♋07'12	1°47'09	
greatest brilliancy	-10245 Apr 03 j 11:30	27°♋08'04	-2.9m	
desc. node	-10245 Apr 26 j 02:23	22°♋24'21		
direct	-10245 May 03 j 20:28	22°♋01'11		
	-10245 Jun 10 j 03:22	0°♌		
	-10245 Aug 07 j 03:57	0°♍		
	-10245 Sep 24 j 09:45	0°♎		
	-10245 Nov 10 j 06:51	0°♏		
	-10245 Dec 27 j 07:37	0°♐		
	-10244 Feb 12 j 15:09	0°♑		
evening set	-10244 Mar 01 j 06:45	11°♑12'06		
	-10244 Mar 30 j 17:45	0°♒		
max. Earth dist.	-10244 Apr 06 j 18:52	4°♒31'34	2.65361 AU	
asc. node	-10244 Apr 15 j 17:10	10°♒16'52		
conjunction	-10244 Apr 18 j 02:23	11°♒49'20	0°01'26	
minimum elong	-10244 Apr 18 j 02:18	11°♒49'13	0°00'57	
behind sun begin	-10244 Apr 17 j 06:48	11°♒17'42		
behind sun end	-10244 Apr 18 j 21:49	12°♒20'44		
	-10244 May 15 j 23:24	0°♓		
morning rise	-10244 Jun 03 j 18:38	12°♓26'56		
	-10244 Jun 29 j 20:27	0°♈		
	-10244 Aug 12 j 06:15	0°♉		
	-10244 Sep 23 j 09:47	0°♊		
	-10244 Nov 03 j 18:51	0°♋		
	-10244 Dec 15 j 05:43	0°♌		
	-10243 Jan 27 j 14:06	0°♍		
desc. node	-10243 Mar 13 j 04:06	26°♍28'53		
	-10243 Mar 20 j 10:52	0°♎		
retrograde	-10243 May 03 j 21:06	11°♎38'07		
min. Earth dist.	-10243 Jun 01 j 17:25	6°♎01'13	0.47875 AU	
greatest brilliancy	-10243 Jun 08 j 08:59	3°♎40'57	-2.3m	
opposition	-10243 Jun 09 j 18:58	3°♎10'49	-4°54'35	
	-10243 Jun 19 j 08:56	30°℞♍		
direct	-10243 Jul 13 j 04:01	26°♍16'45		
	-10243 Aug 07 j 08:17	0°♎		
	-10243 Oct 13 j 13:52	0°♏		
	-10243 Dec 04 j 17:17	0°♐		
	-10242 Jan 23 j 04:54	0°♑		
asc. node	-10242 Mar 03 j 15:02	24°♑34'14		
	-10242 Mar 12 j 04:47	0°♒		
evening set	-10242 Apr 09 j 18:15	18°♒20'48		
	-10242 Apr 27 j 13:08	0°♓		
max. Earth dist.	-10242 May 03 j 13:54	3°♓59'50	2.59257 AU	
conjunction	-10242 May 28 j 13:34	20°♓48'39	0°47'59	
minimum elong	-10242 May 28 j 11:54	20°♓45'49	0°47'48	
	-10242 Jun 10 j 22:49	0°♈		
morning rise	-10242 Jul 16 j 19:12	25°♈15'18		
	-10242 Jul 23 j 09:23	0°♉		
	-10242 Sep 02 j 03:54	0°♊		
	-10242 Oct 11 j 19:49	0°♋		
	-10242 Nov 20 j 02:57	0°♌		
	-10242 Dec 30 j 00:10	0°♍		
desc. node	-10241 Jan 29 j 00:14	21°♍43'54		
	-10241 Feb 09 j 20:24	0°♎		
	-10241 Mar 28 j 09:57	0°♏		
retrograde	-10241 Jun 17 j 01:22	29°♏42'41		
min. Earth dist.	-10241 Jul 21 j 03:24	22°♏01'31	0.59322 AU	
opposition	-10241 Jul 26 j 13:03	19°♏53'30	-5°19'42	
greatest brilliancy	-10241 Jul 25 j 14:25	20°♏15'51	-1.7m	
direct	-10241 Sep 01 j 11:03	11°♏21'34		
	-10241 Nov 05 j 09:13	0°♐		
	-10240 Jan 01 j 06:04	0°♑		
asc. node	-10240 Jan 19 j 17:13	10°♑43'45		
	-10240 Feb 20 j 14:47	0°♒		
	-10240 Apr 07 j 18:11	0°♓		
evening set	-10240 May 22 j 03:35	29°♓57'34		
	-10240 May 22 j 04:59	0°♈		
max. Earth dist.	-10240 Jun 07 j 05:39	11°♈14'43	2.48687 AU	
	-10240 Jul 03 j 06:34	0°♉		
conjunction	-10240 Jul 14 j 00:12	7°♉54'04	1°12'57	
minimum elong	-10240 Jul 14 j 00:02	7°♉53'44	1°13'15	
	-10240 Aug 12 j 10:22	0°♊		
morning rise	-10240 Sep 08 j 18:13	20°♊59'18		
	-10240 Sep 20 j 09:02	0°♋		
	-10240 Oct 28 j 22:03	0°♌		
	-10240 Dec 06 j 22:27	0°♍		
desc. node	-10240 Dec 15 j 19:42	6°♍42'34		
	-10239 Jan 16 j 08:45	0°♎		
	-10239 Feb 28 j 06:50	0°♏		
	-10239 Apr 16 j 14:08	0°♐		
	-10239 Jun 16 j 05:23	0°♑		
retrograde	-10239 Jul 22 j 17:27	7°♑16'06		
	-10239 Aug 25 j 03:50	30°℞♐		
min. Earth dist.	-10239 Aug 29 j 23:19	28°♐05'01	0.65688 AU	
opposition	-10239 Aug 31 j 15:46	27°♐24'11	-3°30'18	
greatest brilliancy	-10239 Aug 31 j 11:38	27°♐28'22	-1.4m	
direct	-10239 Oct 10 j 01:27	17°♐55'39		
	-10239 Nov 29 j 11:17	0°♑		
asc. node	-10239 Dec 06 j 21:36	3°♑09'22		
	-10238 Jan 28 j 03:42	0°♒		
	-10238 Mar 18 j 16:48	0°♓		
	-10238 May 02 j 21:06	0°♈		
	-10238 Jun 14 j 00:41	0°♉		
evening set	-10238 Jul 14 j 02:08	22°♉26'34		
	-10238 Jul 23 j 23:58	0°♊		
	-10238 Aug 31 j 15:56	0°♋		

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

max. Earth dist.	-10238 Sep 04 j 09:05	2°♋54'35	2.38273 AU	
conjunction	-10238 Sep 12 j 12:00	9°♋16'45	0°37'26	
minimum elong	-10238 Sep 12 j 14:57	9°♋22'32	0°37'58	
	-10238 Oct 08 j 22:21	0°♌		
desc. node	-10238 Nov 02 j 14:01	19°♌09'56		
morning rise	-10238 Nov 16 j 17:11	0°♍01'02		
	-10238 Nov 16 j 16:39	0°♍		
	-10238 Dec 26 j 18:46	0°♎		
	-10237 Feb 06 j 21:55	0°♏		
	-10237 Mar 23 j 18:41	0°♐		
	-10237 May 11 j 14:57	0°♑		
	-10237 Jul 09 j 13:33	0°♒		
retrograde	-10237 Aug 26 j 23:20	11°♒29'23		
opposition	-10237 Oct 05 j 03:52	2°♒07'49	-0°47'31	
greatest brilliancy	-10237 Oct 05 j 05:37	2°♒06'05	-1.4m	
min. Earth dist.	-10237 Oct 07 j 04:57	1°♒18'46	0.65945 AU	
	-10237 Oct 10 j 12:32	30°℞♑		
asc. node	-10237 Oct 25 j 02:09	25°♑02'12		
direct	-10237 Nov 14 j 20:56	22°♑11'06		
	-10237 Dec 23 j 18:00	0°♒		
	-10236 Feb 23 j 02:06	0°♓		
	-10236 Apr 10 j 20:42	0°♈		
	-10236 May 23 j 20:20	0°♉		
	-10236 Jul 03 j 01:58	0°♊		
	-10236 Aug 10 j 19:58	0°♋		
evening set	-10236 Sep 15 j 17:12	28°♋05'39		
	-10236 Sep 18 j 03:47	0°♌		
desc. node	-10236 Sep 19 j 09:33	0°♌58'03		
	-10236 Oct 27 j 00:08	0°♍		
conjunction	-10236 Nov 17 j 02:56	15°♍55'25	-0°41'26	
minimum elong	-10236 Nov 17 j 00:04	15°♍50'06	0°41'11	
	-10236 Dec 06 j 04:16	0°♎		
max. Earth dist.	-10236 Dec 30 j 14:42	17°♎36'24	2.47490 AU	
morning rise	-10235 Jan 16 j 09:34	29°♎24'24		
	-10235 Jan 17 j 06:02	0°♏		
	-10235 Mar 02 j 13:06	0°♐		
	-10235 Apr 18 j 05:49	0°♑		
	-10235 Jun 06 j 23:28	0°♒		
	-10235 Aug 02 j 17:29	0°♓		
asc. node	-10235 Sep 11 j 04:03	14°♓21'50		
retrograde	-10235 Oct 03 j 18:17	17°♓13'17		
opposition	-10235 Nov 10 j 03:44	8°♓47'04	2°30'11	
greatest brilliancy	-10235 Nov 10 j 14:20	8°♓36'52	-1.6m	
min. Earth dist.	-10235 Nov 15 j 18:39	6°♓37'21	0.60135 AU	
	-10235 Dec 08 j 06:57	30°℞♒		
direct	-10235 Dec 20 j 17:03	28°♒57'19		
	-10234 Jan 02 j 16:33	0°♓		
	-10234 Mar 15 j 09:22	0°♈		
	-10234 Apr 30 j 22:22	0°♉		
	-10234 Jun 11 j 11:51	0°♊		
	-10234 Jul 20 j 22:43	0°♋		
desc. node	-10234 Aug 07 j 09:37	13°♋28'37		
	-10234 Aug 28 j 19:03	0°♌		
	-10234 Oct 07 j 02:46	0°♍		
evening set	-10234 Nov 16 j 15:27	29°♍56'16		
	-10234 Nov 16 j 17:31	0°♎		
	-10234 Dec 29 j 03:34	0°♏		
conjunction	-10233 Jan 11 j 06:38	9°♏00'42	-1°13'36	
minimum elong	-10233 Jan 11 j 06:22	9°♏00'15	1°13'56	
max. Earth dist.	-10233 Feb 06 j 13:27	26°♏42'22	2.58625 AU	
	-10233 Feb 11 j 12:38	0°♐		
morning rise	-10233 Mar 04 j 19:09	13°♐57'38		
	-10233 Mar 29 j 16:01	0°♑		
	-10233 May 16 j 06:25	0°♒		
	-10233 Jul 04 j 10:21	0°♓		
asc. node	-10233 Jul 30 j 01:17	15°♓00'51		
	-10233 Aug 26 j 01:17	0°♈		
	-10233 Nov 12 j 21:47	0°♉		
retrograde	-10233 Nov 22 j 04:20	0°♉31'18		
	-10233 Dec 01 j 06:26	30°℞♈		
opposition	-10233 Dec 26 j 11:57	23°♈37'37	5°53'29	
greatest brilliancy	-10233 Dec 28 j 01:31	23°♈05'17	-2.1m	
min. Earth dist.	-10232 Jan 03 j 15:44	20°♈50'06	0.49170 AU	
direct	-10232 Feb 02 j 07:47	15°♈11'27		
	-10232 Mar 25 j 01:41	0°♉		
	-10232 May 14 j 03:04	0°♊		
desc. node	-10232 Jun 24 j 13:41	29°♊14'00		
	-10232 Jun 25 j 14:56	0°♋		
	-10232 Aug 05 j 06:39	0°♌		
	-10232 Sep 14 j 22:52	0°♍		
	-10232 Oct 26 j 15:45	0°♎		
	-10232 Dec 08 j 22:03	0°♏		
evening set	-10231 Jan 04 j 05:42	17°♏42'09		
	-10231 Jan 22 j 20:05	0°♐		
conjunction	-10231 Feb 23 j 14:37	20°♐40'59	-0°57'32	
minimum elong	-10231 Feb 23 j 16:11	20°♐43'31	0°58'05	
max. Earth dist.	-10231 Mar 04 j 21:33	26°♐40'17	2.65150 AU	
	-10231 Mar 10 j 01:48	0°♑		
morning rise	-10231 Apr 12 j 17:40	21°♑31'52		
	-10231 Apr 26 j 00:36	0°♒		
	-10231 Jun 12 j 02:39	0°♓		
asc. node	-10231 Jun 15 j 18:27	2°♓19'56		
	-10231 Jul 29 j 03:59	0°♈		
	-10231 Sep 14 j 17:40	0°♉		
	-10231 Nov 03 j 20:08	0°♊		
	-10230 Jan 10 j 09:51	0°♋		
retrograde	-10230 Jan 31 j 04:46	2°♋35'10		
	-10230 Feb 21 j 01:19	30°℞♊		
opposition	-10230 Mar 02 j 23:23	27°♊26'35	5°06'01	
greatest brilliancy	-10230 Mar 03 j 16:39	27°♊14'51	-2.8m	
min. Earth dist.	-10230 Mar 05 j 20:56	26°♊39'28	0.38838 AU	
direct	-10230 Apr 03 j 08:28	21°♊59'56		
	-10230 May 10 j 02:59	0°♋		
desc. node	-10230 May 12 j 17:44	1°♋03'39		
	-10230 Jul 05 j 05:07	0°♌		
	-10230 Aug 20 j 11:01	0°♍		
	-10230 Oct 04 j 08:02	0°♎		
	-10230 Nov 18 j 14:33	0°♏		
	-10229 Jan 03 j 18:27	0°♐		
evening set	-10229 Feb 14 j 23:39	27°♐02'03		
	-10229 Feb 19 j 15:14	0°♑		
max. Earth dist.	-10229 Mar 29 j 10:24	24°♑07'37	2.66366 AU	
conjunction	-10229 Apr 04 j 00:59	27°♑43'03	-0°17'11	
minimum elong	-10229 Apr 04 j 01:40	27°♑44'08	0°17'43	
	-10229 Apr 07 j 14:25	0°♒		
asc. node	-10229 May 03 j 11:24	16°♒40'16		
morning rise	-10229 May 20 j 14:34	27°♒48'44		
	-10229 May 23 j 22:55	0°♓		
	-10229 Jul 08 j 05:20	0°♈		
	-10229 Aug 21 j 07:17	0°♉		
	-10229 Oct 03 j 10:38	0°♊		
	-10229 Nov 15 j 05:15	0°♋		
	-10229 Dec 28 j 21:54	0°♌		
	-10228 Feb 15 j 23:07	0°♍		
desc. node	-10228 Mar 29 j 21:17	16°♍27'33		
retrograde	-10228 Apr 12 j 11:26	17°♍43'07		
min. Earth dist.	-10228 May 09 j 18:58	12°♍51'10	0.43084 AU	
greatest brilliancy	-10228 May 16 j 10:20	10°♍43'50	-2.6m	
opposition	-10228 May 17 j 09:55	10°♍24'52	-3°17'02	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

direct	-10228 Jun 18 j 03:35	4°♍21'42		
	-10228 Sep 02 j 07:52	0°♎		
	-10228 Oct 24 j 22:23	0°♏		
	-10228 Dec 13 j 06:23	0°♐		
	-10227 Jan 30 j 15:50	0°♑		
	-10227 Mar 19 j 05:11	0°♒		
asc. node	-10227 Mar 20 j 06:53	0°♒41'02		
evening set	-10227 Mar 25 j 05:53	3°♒51'25		
max. Earth dist.	-10227 Apr 22 j 15:20	22°♒13'45	2.62259 AU	
	-10227 May 04 j 11:15	0°♓		
conjunction	-10227 May 12 j 08:11	5°♓12'48	0°30'52	
minimum elong	-10227 May 12 j 07:00	5°♓10'51	0°30'33	
	-10227 Jun 18 j 00:22	0°♈		
morning rise	-10227 Jun 29 j 02:08	7°♈39'15		
	-10227 Jul 30 j 18:27	0°♉		
	-10227 Sep 09 j 23:26	0°♊		
	-10227 Oct 20 j 03:24	0°♋		
	-10227 Nov 29 j 00:02	0°♌		
	-10226 Jan 08 j 14:54	0°♍		
desc. node	-10226 Feb 14 j 21:14	26°♍00'47		
	-10226 Feb 20 j 21:58	0°♎		
	-10226 Apr 14 j 00:06	0°♏		
retrograde	-10226 Jun 01 j 05:35	12°♏59'00		
min. Earth dist.	-10226 Jul 03 j 07:41	6°♏03'28	0.55265 AU	
greatest brilliancy	-10226 Jul 08 j 19:04	3°♏57'14	-1.9m	
opposition	-10226 Jul 10 j 01:24	3°♏28'02	-5°35'18	
	-10226 Jul 19 j 14:58	30°℞♎		
direct	-10226 Aug 14 j 16:27	25°♎28'39		
	-10226 Sep 12 j 03:20	0°♏		
	-10226 Nov 18 j 08:28	0°♐		
	-10225 Jan 09 j 23:55	0°♑		
asc. node	-10225 Feb 05 j 07:09	15°♑51'10		
	-10225 Feb 28 j 03:57	0°♒		
	-10225 Apr 15 j 21:45	0°♓		
evening set	-10225 May 05 j 12:22	13°♓03'31		
max. Earth dist.	-10225 May 23 j 12:28	25°♓18'54	2.53244 AU	
	-10225 May 30 j 07:09	0°♈		
conjunction	-10225 Jun 25 j 07:51	18°♈20'29	1°08'03	
minimum elong	-10225 Jun 25 j 06:29	18°♈18'01	1°08'10	
	-10225 Jul 11 j 11:23	0°♉		
morning rise	-10225 Aug 17 j 09:57	27°♉25'02		
	-10225 Aug 20 j 19:57	0°♊		
	-10225 Sep 29 j 00:02	0°♋		
	-10225 Nov 06 j 18:30	0°♌		
	-10225 Dec 16 j 00:30	0°♍		
desc. node	-10224 Jan 02 j 15:47	13°♍10'04		
	-10224 Jan 25 j 18:41	0°♎		
	-10224 Mar 09 j 10:55	0°♏		
	-10224 Apr 28 j 09:23	0°♐		
retrograde	-10224 Jul 08 j 21:54	23°♐30'42		
min. Earth dist.	-10224 Aug 14 j 15:59	14°♐51'08	0.63889 AU	
opposition	-10224 Aug 17 j 20:01	13°♐34'40	-4°21'13	
greatest brilliancy	-10224 Aug 17 j 09:35	13°♐45'10	-1.5m	
direct	-10224 Sep 25 j 09:43	4°♐24'40		
	-10224 Dec 14 j 01:49	0°♑		
asc. node	-10224 Dec 23 j 11:18	4°♑50'19		
	-10223 Feb 06 j 04:38	0°♒		
	-10223 Mar 26 j 11:55	0°♓		
	-10223 May 10 j 07:16	0°♈		
evening set	-10223 Jun 21 j 23:30	0°♉26'30		
	-10223 Jun 21 j 09:03	0°♉		
max. Earth dist.	-10223 Jul 14 j 01:51	16°♉52'00	2.41377 AU	
	-10223 Jul 31 j 09:18	0°♊		
conjunction	-10223 Aug 18 j 06:20	13°♊45'43	1°00'30	
minimum elong	-10223 Aug 18 j 09:02	13°♊50'58	1°01'02	
	-10223 Sep 08 j 02:55	0°♋		
	-10223 Oct 16 j 10:51	0°♌		
morning rise	-10223 Oct 20 j 06:00	2°♌57'47		
desc. node	-10223 Nov 19 j 09:29	26°♌16'50		
	-10223 Nov 24 j 06:17	0°♍		
	-10222 Jan 03 j 09:43	0°♎		
	-10222 Feb 14 j 16:51	0°♏		
	-10222 Apr 01 j 02:46	0°♐		
	-10222 May 21 j 23:31	0°♑		
retrograde	-10222 Aug 13 j 03:33	28°♑25'47		
opposition	-10222 Sep 21 j 18:03	18°♑49'26	-1°55'18	
greatest brilliancy	-10222 Sep 21 j 19:33	18°♑47'56	-1.4m	
min. Earth dist.	-10222 Sep 22 j 08:03	18°♑35'22	0.66577 AU	
direct	-10222 Nov 01 j 02:29	9°♑00'39		
asc. node	-10222 Nov 10 j 16:24	9°♑33'36		
	-10221 Jan 09 j 22:08	0°♒		
	-10221 Mar 04 j 18:00	0°♓		
	-10221 Apr 20 j 03:24	0°♈		
	-10221 Jun 01 j 16:32	0°♉		
	-10221 Jul 11 j 18:30	0°♊		
	-10221 Aug 19 j 10:39	0°♋		
evening set	-10221 Aug 21 j 15:46	1°♋44'02		
	-10221 Sep 26 j 16:49	0°♌		
desc. node	-10221 Oct 07 j 04:50	8°♌11'41		
conjunction	-10221 Oct 23 j 20:39	21°♌06'01	-0°12'39	
minimum elong	-10221 Oct 23 j 19:32	21°♌03'51	0°12'13	
behind sun begin	-10221 Oct 23 j 01:26	20°♌29'00		
behind sun end	-10221 Oct 24 j 13:38	21°♌38'41		
	-10221 Nov 04 j 11:08	0°♍		
max. Earth dist.	-10221 Dec 07 j 10:59	24°♍47'25	2.42543 AU	
	-10221 Dec 14 j 13:00	0°♎		
morning rise	-10221 Dec 26 j 08:26	8°♎35'16		
	-10220 Jan 25 j 13:31	0°♏		
	-10220 Mar 09 j 22:53	0°♐		
	-10220 Apr 26 j 04:02	0°♑		
	-10220 Jun 16 j 17:58	0°♒		
	-10220 Aug 25 j 18:16	0°♓		
retrograde	-10220 Sep 17 j 21:39	2°♓59'54		
asc. node	-10220 Sep 27 j 20:00	2°♓21'19		
	-10220 Oct 09 j 07:38	30°℞♒		
opposition	-10220 Oct 26 j 03:23	24°♒08'39	1°09'58	
greatest brilliancy	-10220 Oct 26 j 07:02	24°♒05'04	-1.5m	
min. Earth dist.	-10220 Oct 30 j 09:30	22°♒28'29	0.63103 AU	
direct	-10220 Dec 05 j 23:24	14°♒10'35		
	-10219 Feb 01 j 05:49	0°♓		
	-10219 Mar 26 j 16:29	0°♈		
	-10219 May 10 j 04:29	0°♉		
	-10219 Jun 20 j 00:47	0°♊		
	-10219 Jul 29 j 02:37	0°♋		
desc. node	-10219 Aug 24 j 02:37	20°♋13'53		
	-10219 Sep 05 j 16:18	0°♌		
	-10219 Oct 14 j 18:00	0°♍		
evening set	-10219 Oct 24 j 23:05	7°♍42'04		
	-10219 Nov 24 j 02:58	0°♎		
conjunction	-10219 Dec 22 j 10:26	20°♎16'35	-1°08'17	
minimum elong	-10219 Dec 22 j 08:41	20°♎13'30	1°08'25	
	-10218 Jan 05 j 08:11	0°♏		
max. Earth dist.	-10218 Jan 25 j 01:44	13°♏32'42	2.54711 AU	
morning rise	-10218 Feb 15 j 14:45	28°♏00'57		
	-10218 Feb 18 j 14:31	0°♐		
	-10218 Apr 05 j 20:18	0°♑		
	-10218 May 23 j 23:49	0°♒		
	-10218 Jul 13 j 20:14	0°♓		
asc. node	-10218 Aug 15 j 19:00	17°♓43'18		

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10218 Sep 11 j 05:50	0°♈	
retrograde	-10218 Oct 31 j 22:46	12°♈19'40	
opposition	-10218 Dec 06 j 15:51	4°♈43'57	4°39'23
greatest brilliancy	-10218 Dec 07 j 18:39	4°♈19'29	-1.9m
min. Earth dist.	-10218 Dec 14 j 03:23	2°♈00'38	0.53922 AU
	-10218 Dec 20 j 01:09	30°♓℞	
direct	-10217 Jan 14 j 23:51	25°♓31'06	
	-10217 Feb 11 j 03:52	0°♈	
	-10217 Apr 12 j 13:58	0°♉	
	-10217 May 26 j 22:23	0°♊	
	-10217 Jul 06 j 15:03	0°♋	
desc. node	-10217 Jul 12 j 04:56	4°♋12'05	
	-10217 Aug 15 j 06:44	0°♌	
	-10217 Sep 24 j 05:48	0°♍	
	-10217 Nov 04 j 09:16	0°♎	
	-10217 Dec 17 j 05:25	0°♏	
evening set	-10217 Dec 18 j 05:40	0°♏41'34	
	-10216 Jan 30 j 20:33	0°♐	
conjunction	-10216 Feb 08 j 06:44	5°♐32'30	-1°07'45
minimum elong	-10216 Feb 08 j 08:00	5°♐34'35	1°08'15
max. Earth dist.	-10216 Feb 23 j 19:51	15°♐41'25	2.63218 AU
	-10216 Mar 16 j 23:41	0°♑	
morning rise	-10216 Mar 28 j 17:43	7°♑31'50	
	-10216 May 03 j 01:59	0°♒	
	-10216 Jun 19 j 17:41	0°♓	
asc. node	-10216 Jul 02 j 13:02	7°♓59'55	
	-10216 Aug 07 j 03:53	0°♈	
	-10216 Sep 27 j 01:23	0°♉	
	-10216 Nov 30 j 06:40	0°♊	
retrograde	-10216 Dec 31 j 16:22	5°♊24'47	
	-10215 Jan 31 j 13:56	30°℞♉	
opposition	-10215 Feb 01 j 10:11	29°♉44'56	6°35'24
greatest brilliancy	-10215 Feb 03 j 00:33	29°♉16'13	-2.6m
min. Earth dist.	-10215 Feb 08 j 02:37	27°♉45'30	0.41931 AU
direct	-10215 Mar 07 j 13:28	23°♉08'58	
	-10215 Apr 09 j 19:29	0°♊	
desc. node	-10215 May 29 j 10:58	26°♊03'57	
	-10215 Jun 04 j 16:29	0°♋	
	-10215 Jul 19 j 06:37	0°♌	
	-10215 Aug 31 j 02:53	0°♍	
	-10215 Oct 13 j 05:48	0°♎	
	-10215 Nov 26 j 11:22	0°♏	
	-10214 Jan 11 j 00:15	0°♐	
evening set	-10214 Jan 30 j 08:12	12°♐31'04	
	-10214 Feb 26 j 13:17	0°♑	
conjunction	-10214 Mar 20 j 00:11	13°♑43'23	-0°34'31
minimum elong	-10214 Mar 20 j 01:26	13°♑45'23	0°35'05
max. Earth dist.	-10214 Mar 20 j 03:27	13°♑48'36	2.66531 AU
	-10214 Apr 14 j 10:48	0°♒	
morning rise	-10214 May 05 j 21:08	13°♒45'42	
asc. node	-10214 May 20 j 05:00	23°♒00'19	
	-10214 May 31 j 00:02	0°♓	
	-10214 Jul 15 j 18:59	0°♈	
	-10214 Aug 29 j 19:29	0°♉	
	-10214 Oct 13 j 11:49	0°♊	
	-10214 Nov 27 j 21:16	0°♋	
	-10213 Jan 16 j 16:30	0°♌	
retrograde	-10213 Mar 19 j 03:06	19°♌50'36	
min. Earth dist.	-10213 Apr 15 j 20:30	15°♌14'24	0.39449 AU
desc. node	-10213 Apr 16 j 14:50	15°♌01'21	
opposition	-10213 Apr 20 j 17:20	13°♌50'36	-0°19'05
greatest brilliancy	-10213 Apr 20 j 15:39	13°♌51'49	-2.9m
direct	-10213 May 21 j 04:01	8°♌32'11	
	-10213 Jul 27 j 04:34	0°♍	
	-10213 Sep 17 j 08:18	0°♎	
	-10213 Nov 04 j 14:08	0°♏	
	-10213 Dec 22 j 06:03	0°♐	
	-10212 Feb 07 j 21:14	0°♑	
evening set	-10212 Mar 10 j 00:33	19°♑43'10	
	-10212 Mar 26 j 03:14	0°♒	
asc. node	-10212 Apr 05 j 23:07	6°♒57'14	
max. Earth dist.	-10212 Apr 12 j 12:38	11°♒11'16	2.64482 AU
conjunction	-10212 Apr 26 j 20:03	20°♒28'22	0°12'22
minimum elong	-10212 Apr 26 j 19:35	20°♒27'36	0°11'56
behind sun begin	-10212 Apr 26 j 06:21	20°♒06'04	
behind sun end	-10212 Apr 27 j 08:48	20°♒49'09	
	-10212 May 11 j 09:00	0°♓	
morning rise	-10212 Jun 12 j 17:46	21°♓34'52	
	-10212 Jun 25 j 03:21	0°♈	
	-10212 Aug 07 j 07:08	0°♉	
	-10212 Sep 18 j 01:41	0°♊	
	-10212 Oct 28 j 22:14	0°♋	
	-10212 Dec 08 j 15:30	0°♌	
	-10211 Jan 19 j 14:26	0°♍	
desc. node	-10211 Mar 03 j 14:50	27°♍51'31	
	-10211 Mar 07 j 07:06	0°♎	
retrograde	-10211 May 14 j 18:55	24°♎04'03	
min. Earth dist.	-10211 Jun 13 j 18:55	17°♎58'23	0.50606 AU
greatest brilliancy	-10211 Jun 20 j 02:12	15°♎39'49	-2.1m
opposition	-10211 Jun 21 j 12:56	15°♎07'48	-5°22'02
direct	-10211 Jul 25 j 17:30	7°♎48'11	
	-10211 Oct 04 j 17:59	0°♏	
	-10211 Nov 28 j 16:55	0°♐	
	-10210 Jan 18 j 01:54	0°♑	
asc. node	-10210 Feb 21 j 21:56	21°♑29'49	
	-10210 Mar 07 j 10:34	0°♒	
evening set	-10210 Apr 18 j 22:32	27°♒22'37	
	-10210 Apr 22 j 22:09	0°♓	
max. Earth dist.	-10210 May 10 j 10:43	11°♓39'53	2.57305 AU
	-10210 Jun 06 j 08:11	0°♈	
conjunction	-10210 Jun 07 j 07:21	0°♈40'06	0°56'35
minimum elong	-10210 Jun 07 j 05:37	0°♈37'05	0°56'31
	-10210 Jul 18 j 16:49	0°♉	
morning rise	-10210 Jul 27 j 15:42	6°♉30'48	
	-10210 Aug 28 j 08:01	0°♊	
	-10210 Oct 06 j 19:25	0°♋	
	-10210 Nov 14 j 21:13	0°♌	
	-10210 Dec 24 j 11:23	0°♍	
desc. node	-10209 Jan 19 j 11:45	19°♍06'39	
	-10209 Feb 03 j 18:30	0°♎	
	-10209 Mar 20 j 19:55	0°♏	
	-10209 May 16 j 14:16	0°♐	
retrograde	-10209 Jun 25 j 14:44	8°♐58'37	
min. Earth dist.	-10209 Jul 30 j 16:55	0°♐55'22	0.61190 AU
	-10209 Aug 02 j 00:35	30°℞♏	
opposition	-10209 Aug 04 j 08:14	29°♏04'30	-5°02'15
greatest brilliancy	-10209 Aug 03 j 14:07	29°♏22'33	-1.6m
direct	-10209 Sep 10 j 21:45	20°♏17'31	
	-10209 Oct 25 j 01:40	0°♐	
	-10209 Dec 26 j 00:31	0°♑	
asc. node	-10208 Jan 10 j 00:52	8°♑26'56	
	-10208 Feb 15 j 10:37	0°♒	
	-10208 Apr 02 j 22:53	0°♓	
	-10208 May 17 j 12:53	0°♈	
evening set	-10208 Jun 01 j 21:25	10°♈45'38	
max. Earth dist.	-10208 Jun 18 j 03:44	22°♈23'35	2.46023 AU
	-10208 Jun 28 j 14:45	0°♉	
conjunction	-10208 Jul 26 j 04:07	20°♉28'45	1°11'40
minimum elong	-10208 Jul 26 j 04:59	20°♉30'23	1°12'03

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10208 Aug 07 j 17:36	0°♊	
	-10208 Sep 15 j 14:29	0°♋	
morning rise	-10208 Sep 23 j 05:03	5°♋55'48	
	-10208 Oct 24 j 01:28	0°♌	
	-10208 Dec 01 j 23:36	0°♍	
desc. node	-10208 Dec 06 j 05:32	3°♍13'29	
	-10207 Jan 11 j 06:10	0°♎	
	-10207 Feb 22 j 20:27	0°♏	
	-10207 Apr 10 j 04:45	0°♐	
	-10207 Jun 04 j 04:28	0°♑	
retrograde	-10207 Jul 30 j 13:04	15°♑19'39	
opposition	-10207 Sep 08 j 09:54	5°♑32'07	-2°57'16
greatest brilliancy	-10207 Sep 08 j 08:24	5°♑33'37	-1.4m
min. Earth dist.	-10207 Sep 07 j 12:33	5°♑53'39	0.66269 AU
	-10207 Sep 23 j 06:05	30°℞♐	
direct	-10207 Oct 18 j 05:16	25°♐55'15	
	-10207 Nov 14 j 14:14	0°♑	
asc. node	-10207 Nov 27 j 06:10	4°♑01'24	
	-10206 Jan 21 j 16:44	0°♒	
	-10206 Mar 13 j 10:01	0°♓	
	-10206 Apr 27 j 23:43	0°♈	
	-10206 Jun 09 j 06:33	0°♉	
	-10206 Jul 19 j 06:47	0°♊	
evening set	-10206 Jul 27 j 13:25	6°♊21'38	
	-10206 Aug 26 j 22:31	0°♋	
conjunction	-10206 Sep 27 j 11:00	24°♋44'07	0°20'07
minimum elong	-10206 Sep 27 j 12:52	24°♋47'46	0°20'37
	-10206 Oct 04 j 04:20	0°♌	
max. Earth dist.	-10206 Oct 21 j 17:05	13°♌39'53	2.38626 AU
desc. node	-10206 Oct 23 j 22:59	15°♌24'24	
	-10206 Nov 11 j 22:02	0°♍	
morning rise	-10206 Dec 01 j 18:19	15°♍01'30	
	-10206 Dec 21 j 23:07	0°♎	
	-10205 Feb 02 j 00:05	0°♏	
	-10205 Mar 18 j 14:39	0°♐	
	-10205 May 05 j 15:52	0°♑	
	-10205 Jun 29 j 15:28	0°♒	
retrograde	-10205 Sep 04 j 02:54	19°♒29'03	
opposition	-10205 Oct 13 j 00:40	10°♒17'07	-0°05'49
greatest brilliancy	-10205 Oct 13 j 01:03	10°♒16'44	-1.5m
asc. node	-10205 Oct 15 j 10:24	9°♒19'44	
min. Earth dist.	-10205 Oct 15 j 20:28	9°♒09'44	0.65207 AU
direct	-10205 Nov 22 j 20:51	0°♒18'22	
	-10204 Feb 16 j 02:02	0°♓	
	-10204 Apr 05 j 06:52	0°♈	
	-10204 May 18 j 17:27	0°♉	
	-10204 Jun 28 j 03:52	0°♊	
	-10204 Aug 06 j 00:07	0°♋	
desc. node	-10204 Sep 09 j 20:57	27°♋15'42	
	-10204 Sep 13 j 09:13	0°♌	
evening set	-10204 Sep 30 j 06:30	13°♌06'58	
	-10204 Oct 22 j 06:29	0°♍	
conjunction	-10204 Nov 30 j 13:21	29°♍20'19	-0°53'57
minimum elong	-10204 Nov 30 j 10:30	29°♍15'06	0°53'52
	-10204 Dec 01 j 11:04	0°♎	
max. Earth dist.	-10203 Jan 10 j 05:53	28°♎24'25	2.50177 AU
	-10203 Jan 12 j 12:47	0°♏	
morning rise	-10203 Jan 27 j 22:55	10°♏38'01	
	-10203 Feb 25 j 18:11	0°♐	
	-10203 Apr 13 j 05:10	0°♑	
	-10203 Jun 01 j 04:48	0°♒	
	-10203 Jul 24 j 22:32	0°♓	
asc. node	-10203 Sep 01 j 11:10	17°♓22'12	
retrograde	-10203 Oct 13 j 11:10	26°♓13'57	
opposition	-10203 Nov 19 j 07:56	18°♓03'52	3°17'28
greatest brilliancy	-10203 Nov 19 j 23:45	17°♓48'52	-1.7m
min. Earth dist.	-10203 Nov 25 j 15:58	15°♓40'03	0.58138 AU
direct	-10203 Dec 29 j 14:04	8°♓23'33	
	-10202 Mar 06 j 16:05	0°♈	
	-10202 Apr 24 j 13:28	0°♉	
	-10202 Jun 05 j 20:27	0°♊	
	-10202 Jul 15 j 15:43	0°♋	
desc. node	-10202 Jul 28 j 22:16	10°♋10'41	
	-10202 Aug 23 j 17:26	0°♌	
	-10202 Oct 02 j 05:15	0°♍	
	-10202 Nov 11 j 23:00	0°♎	
evening set	-10202 Nov 28 j 14:25	11°♎54'18	
	-10202 Dec 24 j 11:12	0°♏	
conjunction	-10201 Jan 21 j 20:24	19°♏18'56	-1°13'11
minimum elong	-10201 Jan 21 j 20:51	19°♏19'40	1°13'35
	-10201 Feb 06 j 21:02	0°♐	
max. Earth dist.	-10201 Feb 13 j 06:37	4°♐13'32	2.60455 AU
morning rise	-10201 Mar 14 j 03:37	23°♐02'41	
	-10201 Mar 24 j 23:10	0°♑	
	-10201 May 11 j 07:42	0°♒	
	-10201 Jun 28 j 19:28	0°♓	
asc. node	-10201 Jul 20 j 06:35	12°♓57'25	
	-10201 Aug 18 j 10:10	0°♈	
	-10201 Oct 16 j 03:59	0°♉	
retrograde	-10201 Dec 05 j 17:31	12°♉25'16	
opposition	-10200 Jan 08 j 02:52	5°♉57'59	6°24'10
greatest brilliancy	-10200 Jan 09 j 20:36	5°♉23'39	-2.3m
min. Earth dist.	-10200 Jan 16 j 06:09	3°♉18'08	0.46458 AU
	-10200 Jan 28 j 03:52	30°℞♈	
direct	-10200 Feb 13 j 20:28	28°♈06'41	
	-10200 Mar 01 j 17:24	0°♉	
	-10200 May 05 j 03:38	0°♊	
desc. node	-10200 Jun 15 j 01:58	27°♊27'42	
	-10200 Jun 18 j 16:13	0°♋	
	-10200 Jul 30 j 05:29	0°♌	
	-10200 Sep 09 j 11:11	0°♍	
	-10200 Oct 21 j 13:12	0°♎	
	-10200 Dec 04 j 01:50	0°♏	
evening set	-10199 Jan 13 j 23:57	27°♏16'19	
	-10199 Jan 18 j 03:43	0°♐	
conjunction	-10199 Mar 04 j 15:52	29°♐29'10	-0°49'53
minimum elong	-10199 Mar 04 j 17:26	29°♐31'40	0°50'27
	-10199 Mar 05 j 11:05	0°♑	
max. Earth dist.	-10199 Mar 10 j 14:13	3°♑17'35	2.65860 AU
morning rise	-10199 Apr 21 j 05:42	29°♑55'25	
	-10199 Apr 21 j 08:34	0°♒	
asc. node	-10199 Jun 05 j 23:22	29°♒12'08	
	-10199 Jun 07 j 05:10	0°♓	
	-10199 Jul 23 j 17:44	0°♈	
	-10199 Sep 08 j 04:06	0°♉	
	-10199 Oct 25 j 13:25	0°♊	
	-10199 Dec 16 j 14:47	0°♋	
retrograde	-10198 Feb 17 j 21:55	19°♋40'08	
opposition	-10198 Mar 20 j 16:43	14°♋29'32	3°22'59
greatest brilliancy	-10198 Mar 20 j 21:11	14°♋26'33	-2.9m
min. Earth dist.	-10198 Mar 20 j 18:59	14°♋28'01	0.38215 AU
direct	-10198 Apr 20 j 06:04	9°♋21'49	
desc. node	-10198 May 03 j 06:39	10°♋27'07	
	-10198 Jun 23 j 06:05	0°♌	
	-10198 Aug 12 j 18:39	0°♍	
	-10198 Sep 28 j 05:20	0°♎	
	-10198 Nov 13 j 06:36	0°♏	
	-10198 Dec 29 j 20:41	0°♐	
	-10197 Feb 14 j 22:56	0°♑	
evening set	-10197 Feb 23 j 19:18	5°♑37'40	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10197 Apr 02 j 23:59	0°♒		
max. Earth dist.	-10197 Apr 03 j 23:13	0°♒37'16	2.65911 AU	
conjunction	-10197 Apr 12 j 16:29	6°♒13'23	-0°06'32	
minimum elong	-10197 Apr 12 j 16:46	6°♒13'50	0°07'02	
behind sun begin	-10197 Apr 11 j 22:58	5°♒45'12		
behind sun end	-10197 Apr 13 j 10:34	6°♒42'29		
asc. node	-10197 Apr 23 j 16:49	13°♒19'47		
	-10197 May 19 j 07:14	0°♓		
morning rise	-10197 May 29 j 06:16	6°♓33'08		
	-10197 Jul 03 j 08:58	0°♈		
	-10197 Aug 16 j 02:03	0°♉		
	-10197 Sep 27 j 15:48	0°♊		
	-10197 Nov 08 j 13:55	0°♋		
	-10197 Dec 20 j 19:32	0°♌		
	-10196 Feb 03 j 17:54	0°♍		
desc. node	-10196 Mar 20 j 09:16	24°♍14'04		
	-10196 Apr 07 j 07:01	0°♎		
retrograde	-10196 Apr 25 j 01:07	2°♎07'32		
	-10196 May 12 j 06:28	30°℞♍		
min. Earth dist.	-10196 May 23 j 02:10	26°♍52'03	0.45665 AU	
greatest brilliancy	-10196 May 29 j 19:59	24°♍35'06	-2.4m	
opposition	-10196 May 31 j 03:09	24°♍08'28	-4°21'40	
direct	-10196 Jul 02 j 18:46	17°♍36'42		
	-10196 Aug 20 j 23:11	0°♎		
	-10196 Oct 18 j 00:15	0°♏		
	-10196 Dec 07 j 18:07	0°♐		
	-10195 Jan 25 j 17:34	0°♑		
asc. node	-10195 Mar 10 j 13:54	27°♑28'54		
	-10195 Mar 14 j 13:01	0°♒		
evening set	-10195 Apr 03 j 02:07	12°♒31'24		
max. Earth dist.	-10195 Apr 28 j 19:40	29°♒18'06	2.60693 AU	
	-10195 Apr 29 j 21:04	0°♓		
conjunction	-10195 May 21 j 12:27	14°♓25'27	0°40'59	
minimum elong	-10195 May 21 j 10:57	14°♓22'56	0°40'44	
	-10195 Jun 13 j 09:15	0°♈		
morning rise	-10195 Jul 09 j 00:07	17°♈53'06		
	-10195 Jul 25 j 23:50	0°♉		
	-10195 Sep 04 j 23:29	0°♊		
	-10195 Oct 14 j 20:43	0°♋		
	-10195 Nov 23 j 09:05	0°♌		
	-10194 Jan 02 j 12:27	0°♍		
desc. node	-10194 Feb 05 j 06:21	24°♍08'22		
	-10194 Feb 13 j 19:14	0°♎		
	-10194 Apr 02 j 20:29	0°♏		
retrograde	-10194 Jun 10 j 10:27	23°♏10'45		
min. Earth dist.	-10194 Jul 13 j 15:53	15°♏49'38	0.57608 AU	
opposition	-10194 Jul 19 j 16:54	13°♏27'58	-5°29'14	
greatest brilliancy	-10194 Jul 18 j 14:39	13°♏53'39	-1.7m	
direct	-10194 Aug 25 j 01:43	5°♏09'48		
	-10194 Nov 10 j 13:34	0°♐		
	-10193 Jan 04 j 08:38	0°♑		
asc. node	-10193 Jan 26 j 15:23	13°♑10'11		
	-10193 Feb 23 j 04:54	0°♒		
	-10193 Apr 11 j 05:03	0°♓		
evening set	-10193 May 15 j 09:45	22°♓54'58		
	-10193 May 25 j 16:35	0°♈		
max. Earth dist.	-10193 May 31 j 23:38	4°♈22'55	2.50791 AU	
conjunction	-10193 Jul 06 j 06:08	29°♈34'03	1°11'48	
minimum elong	-10193 Jul 06 j 05:20	29°♈32'36	1°12'03	
	-10193 Jul 06 j 20:21	0°♉		
	-10193 Aug 16 j 03:04	0°♊		
morning rise	-10193 Aug 30 j 06:16	10°♊46'46		
	-10193 Sep 24 j 04:21	0°♋		
	-10193 Nov 01 j 19:22	0°♌		
	-10193 Dec 10 j 21:23	0°♍		
desc. node	-10193 Dec 24 j 01:56	9°♍55'29		
	-10192 Jan 20 j 09:24	0°♎		
	-10192 Mar 03 j 12:14	0°♏		
	-10192 Apr 20 j 13:36	0°♐		
	-10192 Jun 29 j 04:17	0°♑		
retrograde	-10192 Jul 16 j 21:33	1°♑55'27		
	-10192 Aug 02 j 15:21	30°℞♐		
min. Earth dist.	-10192 Aug 23 j 12:21	22°♐57'59	0.65010 AU	
opposition	-10192 Aug 25 j 21:00	22°♐00'55	-3°52'42	
greatest brilliancy	-10192 Aug 25 j 14:18	22°♐07'40	-1.4m	
direct	-10192 Oct 03 j 22:59	12°♐40'05		
	-10192 Dec 05 j 11:40	0°♑		
asc. node	-10192 Dec 13 j 19:31	3°♑54'21		
	-10191 Jan 31 j 10:00	0°♒		
	-10191 Mar 21 j 10:48	0°♓		
	-10191 May 05 j 12:36	0°♈		
	-10191 Jun 16 j 16:31	0°♉		
evening set	-10191 Jul 04 j 05:14	12°♉58'31		
	-10191 Jul 26 j 17:11	0°♊		
max. Earth dist.	-10191 Aug 06 j 09:51	8°♊12'54	2.39304 AU	
conjunction	-10191 Sep 01 j 06:07	28°♊17'58	0°48'49	
minimum elong	-10191 Sep 01 j 09:16	28°♊24'09	0°49'22	
	-10191 Sep 03 j 10:18	0°♋		
	-10191 Oct 11 j 17:10	0°♌		
morning rise	-10191 Nov 04 j 19:05	18°♌43'30		
desc. node	-10191 Nov 09 j 20:33	22°♌37'41		
	-10191 Nov 19 j 11:18	0°♍		
	-10191 Dec 29 j 12:43	0°♎		
	-10190 Feb 09 j 15:42	0°♏		
	-10190 Mar 26 j 15:26	0°♐		
	-10190 May 15 j 02:09	0°♑		
	-10190 Jul 17 j 13:19	0°♒		
retrograde	-10190 Aug 21 j 01:23	6°♒21'35		
	-10190 Sep 21 j 11:53	30°℞♑		
opposition	-10190 Sep 29 j 11:14	26°♑52'48	-1°16'32	
greatest brilliancy	-10190 Sep 29 j 13:11	26°♑50'51	-1.4m	
min. Earth dist.	-10190 Sep 30 j 20:21	26°♑19'37	0.66355 AU	
asc. node	-10190 Nov 01 j 00:22	17°♑24'11		
direct	-10190 Nov 09 j 01:36	16°♑59'06		
	-10190 Dec 31 j 06:55	0°♒		
	-10189 Feb 26 j 17:03	0°♓		
	-10189 Apr 14 j 21:52	0°♈		
	-10189 May 27 j 17:52	0°♉		
	-10189 Jul 06 j 22:43	0°♊		
	-10189 Aug 14 j 16:12	0°♋		
evening set	-10189 Sep 05 j 07:51	16°♋58'21		
	-10189 Sep 21 j 23:01	0°♌		
desc. node	-10189 Sep 27 j 15:23	4°♌26'09		
	-10189 Oct 30 j 17:49	0°♍		
conjunction	-10189 Nov 07 j 08:25	5°♍47'09	-0°29'51	
minimum elong	-10189 Nov 07 j 06:01	5°♍42'36	0°29'32	
	-10189 Dec 09 j 19:51	0°♎		
max. Earth dist.	-10189 Dec 22 j 10:13	9°♎09'42	2.45250 AU	
morning rise	-10188 Jan 08 j 04:02	21°♎07'24		
	-10188 Jan 20 j 19:35	0°♏		
	-10188 Mar 05 j 02:00	0°♐		
	-10188 Apr 20 j 21:51	0°♑		
	-10188 Jun 10 j 05:32	0°♒		
	-10188 Aug 09 j 02:50	0°♓		
asc. node	-10188 Sep 18 j 02:49	11°♓00'13		
retrograde	-10188 Sep 26 j 19:25	11°♓27'41		
opposition	-10188 Nov 03 j 14:55	2°♓49'29	1°55'44	
greatest brilliancy	-10188 Nov 03 j 22:06	2°♓42'30	-1.6m	
min. Earth dist.	-10188 Nov 08 j 15:19	0°♓52'40	0.61586 AU	

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	-10188 Nov 10 j 22:38	30°℞♒	
direct	-10188 Dec 14 j 08:43	22°♒54'58	
	-10187 Jan 19 j 07:22	0°♓	
	-10187 Mar 19 j 22:07	0°♈	
	-10187 May 04 j 12:25	0°♉	
	-10187 Jun 14 j 18:36	0°♊	
	-10187 Jul 24 j 01:28	0°♋	
desc. node	-10187 Aug 14 j 14:29	16°♋42'00	
	-10187 Aug 31 j 18:16	0°♌	
	-10187 Oct 09 j 22:26	0°♍	
evening set	-10187 Nov 07 j 02:07	21°♍00'19	
	-10187 Nov 19 j 09:23	0°♎	
	-10187 Dec 31 j 15:53	0°♏	
conjunction	-10186 Jan 02 j 23:21	1°♏35'59	-1°12'18
minimum elong	-10186 Jan 02 j 22:27	1°♏34'26	1°12'33
max. Earth dist.	-10186 Feb 01 j 14:51	21°♏47'14	2.56956 AU
	-10186 Feb 13 j 22:25	0°♐	
morning rise	-10186 Feb 25 j 14:43	7°♐42'18	
	-10186 Apr 01 j 01:33	0°♑	
	-10186 May 18 j 20:03	0°♒	
	-10186 Jul 07 j 14:11	0°♓	
asc. node	-10186 Aug 06 j 00:44	16°♓45'02	
	-10186 Aug 31 j 06:08	0°♈	
retrograde	-10186 Nov 12 j 14:32	22°♈47'58	
opposition	-10186 Dec 17 j 14:19	15°♈34'33	5°23'09
greatest brilliancy	-10186 Dec 18 j 23:30	15°♈05'10	-2.0m
min. Earth dist.	-10186 Dec 25 j 13:23	12°♈46'07	0.51353 AU
direct	-10185 Jan 25 j 05:06	6°♈44'52	
	-10185 Apr 03 j 04:42	0°♉	
	-10185 May 20 j 01:16	0°♊	
	-10185 Jun 30 j 15:26	0°♋	
desc. node	-10185 Jul 02 j 18:12	1°♋34'05	
	-10185 Aug 09 j 18:48	0°♌	
	-10185 Sep 19 j 01:55	0°♍	
	-10185 Oct 30 j 11:16	0°♎	
	-10185 Dec 12 j 11:30	0°♏	
evening set	-10185 Dec 28 j 16:13	10°♏59'21	
	-10184 Jan 26 j 05:14	0°♐	
conjunction	-10184 Feb 17 j 17:54	14°♐44'10	-1°02'19
minimum elong	-10184 Feb 17 j 19:25	14°♐46'38	1°02'51
max. Earth dist.	-10184 Feb 29 j 17:44	22°♐30'24	2.64381 AU
	-10184 Mar 12 j 08:55	0°♑	
morning rise	-10184 Apr 06 j 10:00	16°♑01'55	
	-10184 Apr 28 j 08:37	0°♒	
	-10184 Jun 14 j 16:06	0°♓	
asc. node	-10184 Jun 22 j 18:13	5°♓07'07	
	-10184 Aug 01 j 06:03	0°♈	
	-10184 Sep 18 j 23:36	0°♉	
	-10184 Nov 11 j 11:52	0°♊	
retrograde	-10183 Jan 17 j 12:44	20°♊40'39	
opposition	-10183 Feb 17 j 15:39	15°♊22'06	5°59'41
greatest brilliancy	-10183 Feb 18 j 19:48	15°♊02'14	-2.7m
min. Earth dist.	-10183 Feb 22 j 12:36	14°♊00'01	0.39953 AU
direct	-10183 Mar 22 j 03:23	9°♊28'18	
desc. node	-10183 May 19 j 22:30	28°♊00'21	
	-10183 May 23 j 15:01	0°♋	
	-10183 Jul 11 j 07:48	0°♌	
	-10183 Aug 24 j 17:14	0°♍	
	-10183 Oct 07 j 16:24	0°♎	
	-10183 Nov 21 j 09:49	0°♏	
	-10182 Jan 06 j 05:47	0°♐	
evening set	-10182 Feb 08 j 09:03	21°♐19'34	
	-10182 Feb 21 j 22:28	0°♑	
max. Earth dist.	-10182 Mar 25 j 15:42	20°♑15'49	2.66548 AU
conjunction	-10182 Mar 28 j 15:46	22°♑11'02	-0°24'40
minimum elong	-10182 Mar 28 j 16:43	22°♑12'32	0°25'12
	-10182 Apr 09 j 20:43	0°♒	
asc. node	-10182 May 10 j 11:01	19°♒42'03	
morning rise	-10182 May 14 j 07:25	22°♒11'40	
	-10182 May 26 j 07:38	0°♓	
	-10182 Jul 10 j 19:48	0°♈	
	-10182 Aug 24 j 07:25	0°♉	
	-10182 Oct 07 j 01:25	0°♊	
	-10182 Nov 19 j 18:17	0°♋	
	-10181 Jan 04 j 05:13	0°♌	
	-10181 Mar 01 j 23:28	0°♍	
retrograde	-10181 Apr 03 j 01:17	6°♍26'46	
desc. node	-10181 Apr 07 j 01:39	6°♍20'04	
min. Earth dist.	-10181 Apr 30 j 03:57	1°♍47'27	0.41230 AU
opposition	-10181 May 06 j 21:54	29°♌44'27	-2°10'09
greatest brilliancy	-10181 May 06 j 07:12	29°♌55'40	-2.7m
	-10181 May 06 j 01:32	30°℞♌	
direct	-10181 Jun 06 j 23:14	24°♌03'33	
	-10181 Jul 09 j 03:26	0°♍	
	-10181 Sep 09 j 05:23	0°♎	
	-10181 Oct 29 j 12:48	0°♏	
	-10181 Dec 17 j 01:12	0°♐	
	-10180 Feb 03 j 02:05	0°♑	
evening set	-10180 Mar 18 j 18:07	28°♑14'25	
	-10180 Mar 21 j 12:15	0°♒	
asc. node	-10180 Mar 27 j 06:02	3°♒40'25	
max. Earth dist.	-10180 Apr 18 j 08:28	17°♒56'17	2.63357 AU
conjunction	-10180 May 05 j 15:58	29°♒15'41	0°23'09
minimum elong	-10180 May 05 j 15:05	29°♒14'13	0°22'47
	-10180 May 06 j 18:53	0°♓	
	-10180 Jun 20 j 11:08	0°♈	
morning rise	-10180 Jun 21 j 22:56	1°♈01'18	
	-10180 Aug 02 j 10:16	0°♉	
	-10180 Sep 12 j 21:37	0°♊	
	-10180 Oct 23 j 08:48	0°♋	
	-10180 Dec 02 j 13:12	0°♌	
	-10179 Jan 12 j 14:52	0°♍	
desc. node	-10179 Feb 22 j 02:46	27°♍35'45	
	-10179 Feb 25 j 21:22	0°♎	
	-10179 Apr 25 j 02:22	0°♏	
retrograde	-10179 May 24 j 23:22	5°♏34'48	
	-10179 Jun 22 j 11:02	30°℞♎	
min. Earth dist.	-10179 Jun 25 j 03:21	29°♎01'36	0.53228 AU
greatest brilliancy	-10179 Jul 01 j 00:45	26°♎48'14	-2.0m
opposition	-10179 Jul 02 j 09:49	26°♎16'57	-5°34'23
direct	-10179 Aug 06 j 09:32	18°♎34'36	
	-10179 Sep 23 j 04:38	0°♏	
	-10179 Nov 22 j 05:05	0°♐	
	-10178 Jan 12 j 18:56	0°♑	
asc. node	-10178 Feb 12 j 05:09	18°♑32'09	
	-10178 Mar 02 j 14:42	0°♒	
	-10178 Apr 18 j 06:44	0°♓	
evening set	-10178 Apr 28 j 07:38	6°♓38'42	
max. Earth dist.	-10178 May 17 j 16:10	19°♓40'05	2.55143 AU
	-10178 Jun 01 j 17:31	0°♈	
conjunction	-10178 Jun 17 j 09:31	10°♈56'37	1°03'47
minimum elong	-10178 Jun 17 j 07:53	10°♈53'46	1°03'49
	-10178 Jul 14 j 00:42	0°♉	
morning rise	-10178 Aug 08 j 03:11	18°♉27'32	
	-10178 Aug 23 j 12:53	0°♊	
	-10178 Oct 01 j 20:37	0°♋	
	-10178 Nov 09 j 18:03	0°♌	
	-10178 Dec 19 j 02:44	0°♍	
desc. node	-10177 Jan 09 j 22:18	16°♍11'56	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10177 Jan 29 j 00:36	0°♎	
	-10177 Mar 14 j 02:13	0°♏	
	-10177 May 04 j 18:57	0°♐	
retrograde	-10177 Jul 03 j 21:54	17°♐52'13	
min. Earth dist.	-10177 Aug 08 j 22:55	9°♐28'30	0.62788 AU
opposition	-10177 Aug 12 j 19:08	7°♐56'09	-4°39'59
greatest brilliancy	-10177 Aug 12 j 05:25	8°♐09'52	-1.5m
	-10177 Sep 07 j 05:15	30°℞♏	
direct	-10177 Sep 19 j 23:12	28°♏55'52	
	-10177 Oct 03 j 09:18	0°♐	
	-10177 Dec 19 j 04:28	0°♑	
asc. node	-10177 Dec 31 j 08:35	6°♑32'31	
	-10176 Feb 10 j 01:44	0°♒	
	-10176 Mar 29 j 01:50	0°♓	
	-10176 May 12 j 20:13	0°♈	
evening set	-10176 Jun 13 j 01:47	22°♈04'55	
	-10176 Jun 23 j 23:13	0°♉	
max. Earth dist.	-10176 Jul 01 j 03:12	5°♉16'04	2.43398 AU
	-10176 Aug 03 j 01:23	0°♊	
conjunction	-10176 Aug 07 j 22:38	3°♊44'06	1°06'48
minimum elong	-10176 Aug 08 j 00:37	3°♊47'54	1°07'16
	-10176 Sep 10 j 20:49	0°♋	
morning rise	-10176 Oct 08 j 06:38	21°♋25'52	
	-10176 Oct 19 j 05:52	0°♌	
desc. node	-10176 Nov 26 j 15:32	29°♌40'30	
	-10176 Nov 27 j 01:46	0°♍	
	-10175 Jan 06 j 05:24	0°♎	
	-10175 Feb 17 j 13:32	0°♏	
	-10175 Apr 04 j 05:34	0°♐	
	-10175 May 26 j 06:36	0°♑	
retrograde	-10175 Aug 07 j 08:49	23°♑19'32	
opposition	-10175 Sep 16 j 03:06	13°♑37'41	-2°21'56
greatest brilliancy	-10175 Sep 16 j 03:34	13°♑37'13	-1.4m
min. Earth dist.	-10175 Sep 16 j 01:11	13°♑39'37	0.66556 AU
direct	-10175 Oct 26 j 06:52	3°♑53'48	
asc. node	-10175 Nov 17 j 13:48	6°♑41'15	
	-10174 Jan 14 j 11:15	0°♒	
	-10174 Mar 07 j 21:08	0°♓	
	-10174 Apr 22 j 23:12	0°♈	
	-10174 Jun 04 j 10:53	0°♉	
	-10174 Jul 14 j 13:00	0°♊	
evening set	-10174 Aug 10 j 13:03	20°♊52'15	
	-10174 Aug 22 j 05:26	0°♋	
	-10174 Sep 29 j 11:12	0°♌	
conjunction	-10174 Oct 12 j 09:53	10°♌06'17	0°01'35
minimum elong	-10174 Oct 12 j 10:03	10°♌06'36	0°02'04
behind sun begin	-10174 Oct 11 j 06:53	9°♌13'45	
behind sun end	-10174 Oct 13 j 13:13	10°♌59'25	
desc. node	-10174 Oct 14 j 10:21	11°♌40'29	
	-10174 Nov 07 j 04:28	0°♍	
max. Earth dist.	-10174 Nov 22 j 01:14	11°♍17'16	2.40510 AU
morning rise	-10174 Dec 15 j 23:39	29°♍06'26	
	-10174 Dec 17 j 04:51	0°♎	
	-10173 Jan 28 j 03:54	0°♏	
	-10173 Mar 13 j 13:40	0°♐	
	-10173 Apr 30 j 00:23	0°♑	
	-10173 Jun 21 j 15:10	0°♒	
retrograde	-10173 Sep 12 j 12:02	27°♒36'54	
asc. node	-10173 Oct 05 j 18:01	24°♒05'18	
opposition	-10173 Oct 21 j 01:47	18°♒35'47	0°37'32
greatest brilliancy	-10173 Oct 21 j 03:26	18°♒34'10	-1.5m
min. Earth dist.	-10173 Oct 24 j 16:42	17°♒10'04	0.64157 AU
direct	-10173 Nov 30 j 23:04	8°♒36'41	
	-10172 Feb 07 j 23:23	0°♓	
	-10172 Mar 30 j 08:06	0°♈	
	-10172 May 13 j 09:35	0°♉	
	-10172 Jun 23 j 02:11	0°♊	
	-10172 Aug 01 j 01:54	0°♋	
desc. node	-10172 Aug 31 j 07:48	23°♋35'24	
	-10172 Sep 08 j 13:18	0°♌	
evening set	-10172 Oct 14 j 11:00	27°♌40'37	
	-10172 Oct 17 j 12:18	0°♍	
	-10172 Nov 26 j 18:17	0°♎	
conjunction	-10172 Dec 13 j 05:54	11°♎55'19	-1°03'17
minimum elong	-10172 Dec 13 j 03:34	11°♎51'09	1°03'19
	-10171 Jan 07 j 20:29	0°♏	
max. Earth dist.	-10171 Jan 19 j 05:53	7°♏52'22	2.52747 AU
morning rise	-10171 Feb 07 j 19:28	21°♏10'03	
	-10171 Feb 21 j 01:01	0°♐	
	-10171 Apr 08 j 07:27	0°♑	
	-10171 May 26 j 17:33	0°♒	
	-10171 Jul 17 j 13:03	0°♓	
asc. node	-10171 Aug 22 j 17:55	18°♓24'04	
	-10171 Sep 21 j 04:06	0°♈	
retrograde	-10171 Oct 23 j 16:52	5°♈37'52	
	-10171 Nov 22 j 19:03	30°℞♓	
opposition	-10171 Nov 28 j 23:38	27°♓45'52	4°04'31
greatest brilliancy	-10171 Nov 29 j 21:29	27°♓25'33	-1.8m
min. Earth dist.	-10171 Dec 06 j 00:20	25°♓09'31	0.55894 AU
direct	-10170 Jan 07 j 19:35	18°♓18'45	
	-10170 Feb 23 j 04:11	0°♈	
	-10170 Apr 17 j 12:59	0°♉	
	-10170 May 30 j 20:50	0°♊	
	-10170 Jul 10 j 03:20	0°♋	
desc. node	-10170 Jul 19 j 09:09	7°♋01'28	
	-10170 Aug 18 j 11:56	0°♌	
	-10170 Sep 27 j 04:53	0°♍	
	-10170 Nov 07 j 02:53	0°♎	
evening set	-10170 Dec 10 j 00:34	23°♎15'57	
	-10170 Dec 19 j 18:08	0°♏	
conjunction	-10169 Jan 31 j 23:38	29°♏10'03	-1°10'41
minimum elong	-10169 Feb 01 j 00:37	29°♏11'40	1°11'10
	-10169 Feb 02 j 05:49	0°♐	
max. Earth dist.	-10169 Feb 19 j 13:25	11°♐22'57	2.62088 AU
	-10169 Mar 20 j 07:29	0°♑	
morning rise	-10169 Mar 23 j 04:43	1°♑51'05	
	-10169 May 06 j 11:44	0°♒	
	-10169 Jun 23 j 11:07	0°♓	
asc. node	-10169 Jul 10 j 12:37	10°♓31'35	
	-10169 Aug 11 j 16:23	0°♈	
	-10169 Oct 03 j 22:04	0°♉	
retrograde	-10169 Dec 20 j 10:37	25°♉19'33	
opposition	-10168 Jan 21 j 21:02	19°♉18'55	6°39'05
greatest brilliancy	-10168 Jan 23 j 15:07	18°♉45'57	-2.5m
min. Earth dist.	-10168 Jan 29 j 10:56	16°♉57'06	0.43859 AU
direct	-10168 Feb 26 j 06:09	12°♉07'36	
	-10168 Apr 23 j 06:44	0°♊	
desc. node	-10168 Jun 05 j 14:54	26°♊30'43	
	-10168 Jun 10 j 19:28	0°♋	
	-10168 Jul 23 j 17:58	0°♌	
	-10168 Sep 03 j 17:38	0°♍	
	-10168 Oct 16 j 07:27	0°♎	
	-10168 Nov 29 j 03:45	0°♏	
	-10167 Jan 13 j 10:42	0°♐	
evening set	-10167 Jan 23 j 11:58	6°♐32'58	
	-10167 Feb 28 j 20:29	0°♑	
conjunction	-10167 Mar 13 j 13:12	8°♑08'02	-0°41'15
minimum elong	-10167 Mar 13 j 14:37	8°♑10'18	0°41'49
max. Earth dist.	-10167 Mar 16 j 04:40	9°♑49'35	2.66344 AU

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10167 Apr 16 j 17:44	0°♒	
morning rise	-10167 Apr 29 j 16:08	8°♒16'55	
asc. node	-10167 May 27 j 04:46	25°♒58'44	
	-10167 Jun 02 j 10:16	0°♓	
	-10167 Jul 18 j 12:39	0°♈	
	-10167 Sep 02 j 02:50	0°♉	
	-10167 Oct 17 j 18:54	0°♊	
	-10167 Dec 04 j 04:15	0°♋	
	-10166 Jan 31 j 02:35	0°♌	
retrograde	-10166 Mar 06 j 18:35	7°♌08'18	
min. Earth dist.	-10166 Apr 04 j 13:53	2°♌23'34	0.38531 AU
opposition	-10166 Apr 07 j 09:55	1°♌36'40	1°17'51
greatest brilliancy	-10166 Apr 07 j 08:19	1°♌37'47	-2.9m
	-10166 Apr 13 j 09:51	30°℞♋	
desc. node	-10166 Apr 23 j 19:29	27°♋43'23	
direct	-10166 May 07 j 16:38	26°♋29'17	
	-10166 May 31 j 16:15	0°♌	
	-10166 Aug 03 j 16:35	0°♍	
	-10166 Sep 21 j 15:32	0°♎	
	-10166 Nov 07 j 18:12	0°♏	
	-10166 Dec 24 j 21:12	0°♐	
	-10165 Feb 10 j 05:59	0°♑	
evening set	-10165 Mar 04 j 13:45	14°♑09'31	
	-10165 Mar 29 j 09:51	0°♒	
max. Earth dist.	-10165 Apr 09 j 14:33	7°♒11'18	2.65231 AU
asc. node	-10165 Apr 13 j 22:35	9°♒58'51	
conjunction	-10165 Apr 21 j 08:44	14°♒46'45	0°04'26
minimum elong	-10165 Apr 21 j 08:34	14°♒46'28	0°03'59
behind sun begin	-10165 Apr 20 j 13:25	14°♒15'30	
behind sun end	-10165 Apr 22 j 03:42	15°♒17'27	
	-10165 May 14 j 16:55	0°♓	
morning rise	-10165 Jun 07 j 01:11	15°♓27'49	
	-10165 Jun 28 j 15:05	0°♈	
	-10165 Aug 11 j 01:18	0°♉	
	-10165 Sep 22 j 04:09	0°♊	
	-10165 Nov 02 j 11:06	0°♋	
	-10165 Dec 13 j 17:23	0°♌	
	-10164 Jan 25 j 14:37	0°♍	
desc. node	-10164 Mar 10 j 20:12	27°♍38'48	
	-10164 Mar 15 j 09:12	0°♎	
retrograde	-10164 May 06 j 14:31	15°♎24'29	
min. Earth dist.	-10164 Jun 04 j 16:52	9°♎41'43	0.48392 AU
greatest brilliancy	-10164 Jun 11 j 06:23	7°♎21'42	-2.2m
opposition	-10164 Jun 12 j 17:03	6°♎50'39	-5°03'33
	-10164 Jul 11 j 15:25	30°℞♍	
direct	-10164 Jul 16 j 04:30	29°♍51'38	
	-10164 Jul 20 j 19:31	0°♎	
	-10164 Oct 10 j 03:54	0°♏	
	-10164 Dec 01 j 23:22	0°♐	
	-10163 Jan 20 j 16:32	0°♑	
asc. node	-10163 Feb 28 j 20:34	24°♑20'24	
	-10163 Mar 09 j 19:36	0°♒	
evening set	-10163 Apr 12 j 02:46	21°♒22'55	
	-10163 Apr 25 j 06:32	0°♓	
max. Earth dist.	-10163 May 05 j 09:03	6°♓41'42	2.58921 AU
conjunction	-10163 May 30 j 23:43	23°♓58'07	0°50'20
minimum elong	-10163 May 30 j 22:02	23°♓55'15	0°50'11
	-10163 Jun 08 j 18:30	0°♈	
morning rise	-10163 Jul 19 j 09:26	28°♈38'11	
	-10163 Jul 21 j 06:51	0°♉	
	-10163 Aug 31 j 02:23	0°♊	
	-10163 Oct 09 j 18:24	0°♋	
	-10163 Nov 18 j 00:26	0°♌	
	-10163 Dec 27 j 18:55	0°♍	
desc. node	-10162 Jan 26 j 17:53	21°♍48'38	
	-10162 Feb 07 j 09:15	0°♎	
	-10162 Mar 25 j 06:58	0°♏	
	-10162 May 29 j 02:15	0°♐	
retrograde	-10162 Jun 19 j 06:26	2°♐49'43	
	-10162 Jul 09 j 07:48	30°℞♏	
min. Earth dist.	-10162 Jul 23 j 13:12	25°♏05'01	0.59687 AU
opposition	-10162 Jul 28 j 20:24	22°♏59'21	-5°15'56
greatest brilliancy	-10162 Jul 27 j 22:38	23°♏20'52	-1.6m
direct	-10162 Sep 03 j 22:17	14°♏24'31	
	-10162 Nov 01 j 03:39	0°♐	
	-10162 Dec 29 j 09:02	0°♑	
asc. node	-10161 Jan 16 j 22:37	10°♑41'27	
	-10161 Feb 18 j 02:27	0°♒	
	-10161 Apr 06 j 10:28	0°♓	
	-10161 May 21 j 00:31	0°♈	
evening set	-10161 May 25 j 18:46	3°♈18'24	
max. Earth dist.	-10161 Jun 10 j 16:13	14°♈29'52	2.48186 AU
	-10161 Jul 02 j 04:27	0°♉	
conjunction	-10161 Jul 17 j 21:06	11°♉33'37	1°12'55
minimum elong	-10161 Jul 17 j 21:10	11°♉33'43	1°13'16
	-10161 Aug 11 j 09:47	0°♊	
morning rise	-10161 Sep 13 j 00:51	25°♊04'35	
	-10161 Sep 19 j 09:06	0°♋	
	-10161 Oct 27 j 21:48	0°♌	
	-10161 Dec 05 j 20:52	0°♍	
desc. node	-10161 Dec 14 j 12:21	6°♍32'34	
	-10160 Jan 15 j 04:29	0°♎	
	-10160 Feb 26 j 21:36	0°♏	
	-10160 Apr 13 j 17:45	0°♐	
	-10160 Jun 10 j 18:27	0°♑	
retrograde	-10160 Jul 24 j 18:21	10°♑06'48	
min. Earth dist.	-10160 Sep 01 j 04:06	0°♑53'08	0.65820 AU
opposition	-10160 Sep 02 j 17:22	0°♑15'35	-3°21'26
greatest brilliancy	-10160 Sep 02 j 13:49	0°♑19'09	-1.4m
	-10160 Sep 03 j 08:51	30°℞♐	
direct	-10160 Oct 12 j 06:09	20°♐45'22	
	-10160 Nov 24 j 09:42	0°♑	
asc. node	-10160 Dec 04 j 03:59	3°♑53'05	
	-10159 Jan 25 j 06:12	0°♒	
	-10159 Mar 16 j 06:14	0°♓	
	-10159 Apr 30 j 15:52	0°♈	
	-10159 Jun 11 j 22:38	0°♉	
evening set	-10159 Jul 17 j 04:19	26°♉19'43	
	-10159 Jul 21 j 23:45	0°♊	
	-10159 Aug 29 j 16:27	0°♋	
max. Earth dist.	-10159 Sep 13 j 12:38	11°♋38'13	2.38170 AU
conjunction	-10159 Sep 15 j 22:16	13°♋31'21	0°33'31
minimum elong	-10159 Sep 16 j 01:03	13°♋36'47	0°34'04
	-10159 Oct 06 j 22:37	0°♌	
desc. node	-10159 Oct 31 j 05:12	18°♌53'33	
	-10159 Nov 14 j 15:48	0°♍	
morning rise	-10159 Nov 20 j 06:14	4°♍16'22	
	-10159 Dec 24 j 16:00	0°♎	
	-10158 Feb 04 j 16:16	0°♏	
	-10158 Mar 21 j 08:35	0°♐	
	-10158 May 08 j 19:35	0°♑	
	-10158 Jul 05 j 00:34	0°♒	
retrograde	-10158 Aug 29 j 01:28	14°♒18'14	
opposition	-10158 Oct 07 j 05:40	4°♒58'11	-0°36'08
greatest brilliancy	-10158 Oct 07 j 07:06	4°♒56'46	-1.4m
min. Earth dist.	-10158 Oct 09 j 09:54	4°♒06'06	0.65848 AU
	-10158 Oct 20 j 07:06	30°℞♑	
asc. node	-10158 Oct 22 j 08:46	29°♑18'37	
direct	-10158 Nov 17 j 00:33	25°♑01'06	
	-10158 Dec 17 j 06:35	0°♒	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10157 Feb 20 j 04:00	0°♓	
	-10157 Apr 09 j 11:35	0°♈	
	-10157 May 22 j 16:55	0°♉	
	-10157 Jul 02 j 01:30	0°♊	
	-10157 Aug 09 j 20:46	0°♋	
	-10157 Sep 17 j 04:32	0°♌	
desc. node	-10157 Sep 18 j 02:13	0°♌42'20	
evening set	-10157 Sep 20 j 01:17	2°♌14'12	
	-10157 Oct 25 j 23:47	0°♍	
conjunction	-10157 Nov 21 j 08:15	19°♍51'23	-0°44'42
minimum elong	-10157 Nov 21 j 05:18	19°♍45'55	0°44'31
	-10157 Dec 05 j 02:06	0°♎	
max. Earth dist.	-10156 Jan 03 j 18:01	21°♎21'18	2.48000 AU
	-10156 Jan 16 j 01:31	0°♏	
morning rise	-10156 Jan 20 j 07:15	2°♏56'51	
	-10156 Feb 29 j 05:51	0°♐	
	-10156 Apr 15 j 18:48	0°♑	
	-10156 Jun 04 j 04:56	0°♒	
	-10156 Jul 29 j 18:21	0°♓	
asc. node	-10156 Sep 08 j 10:04	16°♓00'49	
retrograde	-10156 Oct 06 j 02:40	20°♓12'02	
opposition	-10156 Nov 12 j 10:52	11°♓48'36	2°42'21
greatest brilliancy	-10156 Nov 12 j 22:35	11°♓37'22	-1.7m
min. Earth dist.	-10156 Nov 18 j 05:22	9°♓36'03	0.59795 AU
direct	-10156 Dec 22 j 23:54	2°♓00'36	
	-10155 Mar 12 j 05:10	0°♈	
	-10155 Apr 28 j 11:39	0°♉	
	-10155 Jun 09 j 07:27	0°♊	
	-10155 Jul 18 j 21:11	0°♋	
desc. node	-10155 Aug 05 j 03:12	13°♋18'01	
	-10155 Aug 26 j 18:28	0°♌	
	-10155 Oct 05 j 01:50	0°♍	
	-10155 Nov 14 j 15:19	0°♎	
evening set	-10155 Nov 19 j 13:30	3°♎33'36	
	-10155 Dec 26 j 23:29	0°♏	
conjunction	-10154 Jan 13 j 23:02	12°♏20'10	-1°13'38
minimum elong	-10154 Jan 13 j 22:57	12°♏20'01	1°13'59
max. Earth dist.	-10154 Feb 08 j 16:35	29°♏36'57	2.58972 AU
	-10154 Feb 09 j 06:29	0°♐	
morning rise	-10154 Mar 07 j 05:46	17°♐02'36	
	-10154 Mar 27 j 07:48	0°♑	
	-10154 May 13 j 19:37	0°♒	
	-10154 Jul 01 j 18:22	0°♓	
asc. node	-10154 Jul 27 j 06:11	15°♓04'13	
	-10154 Aug 22 j 17:22	0°♈	
	-10154 Oct 29 j 10:37	0°♉	
retrograde	-10154 Nov 25 j 06:22	3°♉58'43	
	-10154 Dec 20 j 14:27	30°℞♈	
opposition	-10154 Dec 29 j 09:13	27°♈10'05	6°01'00
greatest brilliancy	-10154 Dec 31 j 00:07	26°♈36'54	-2.2m
min. Earth dist.	-10153 Jan 06 j 14:08	24°♈22'49	0.48659 AU
direct	-10153 Feb 05 j 02:00	18°♈49'47	
	-10153 Mar 21 j 00:19	0°♉	
	-10153 May 12 j 05:15	0°♊	
desc. node	-10153 Jun 23 j 06:34	29°♊20'59	
	-10153 Jun 24 j 04:07	0°♋	
	-10153 Aug 04 j 00:03	0°♌	
	-10153 Sep 13 j 17:49	0°♍	
	-10153 Oct 25 j 10:51	0°♎	
	-10153 Dec 07 j 16:27	0°♏	
evening set	-10152 Jan 07 j 17:24	20°♏51'33	
	-10152 Jan 21 j 13:30	0°♐	
conjunction	-10152 Feb 26 j 23:19	23°♐41'42	-0°55'31
minimum elong	-10152 Feb 27 j 00:55	23°♐44'16	0°56'04
max. Earth dist.	-10152 Mar 06 j 12:45	29°♐12'32	2.65295 AU
	-10152 Mar 07 j 18:17	0°♑	
morning rise	-10152 Apr 14 j 23:44	24°♑27'27	
	-10152 Apr 23 j 16:21	0°♒	
	-10152 Jun 09 j 17:22	0°♓	
asc. node	-10152 Jun 12 j 23:11	2°♓04'11	
	-10152 Jul 26 j 16:08	0°♈	
	-10152 Sep 11 j 23:19	0°♉	
	-10152 Oct 31 j 06:58	0°♊	
	-10152 Dec 30 j 17:06	0°♋	
retrograde	-10151 Feb 04 j 04:45	7°♋00'50	
opposition	-10151 Mar 06 j 20:32	1°♋53'26	4°45'14
greatest brilliancy	-10151 Mar 07 j 11:15	1°♋43'31	-2.8m
min. Earth dist.	-10151 Mar 09 j 07:33	1°♋13'43	0.38646 AU
	-10151 Mar 13 j 23:44	30°℞♊	
direct	-10151 Apr 07 j 01:22	26°♊31'46	
	-10151 Apr 30 j 14:14	0°♋	
desc. node	-10151 May 10 j 11:02	3°♋13'40	
	-10151 Jul 01 j 17:12	0°♌	
	-10151 Aug 17 j 16:55	0°♍	
	-10151 Oct 01 j 20:04	0°♎	
	-10151 Nov 16 j 04:54	0°♏	
	-10150 Jan 01 j 09:41	0°♐	
evening set	-10150 Feb 17 j 06:55	29°♐59'56	
	-10150 Feb 17 j 06:58	0°♑	
max. Earth dist.	-10150 Mar 31 j 04:19	26°♑43'57	2.66297 AU
	-10150 Apr 05 j 06:43	0°♒	
conjunction	-10150 Apr 06 j 07:21	0°♒39'30	-0°14'16
minimum elong	-10150 Apr 06 j 07:56	0°♒40'25	0°14'47
behind sun begin	-10150 Apr 06 j 00:55	0°♒29'11	
behind sun end	-10150 Apr 06 j 14:56	0°♒51'40	
asc. node	-10150 Apr 30 j 16:22	16°♒21'21	
	-10150 May 21 j 15:50	0°♓	
morning rise	-10150 May 22 j 20:49	0°♓47'22	
	-10150 Jul 05 j 22:31	0°♈	
	-10150 Aug 18 j 23:54	0°♉	
	-10150 Oct 01 j 01:19	0°♊	
	-10150 Nov 12 j 15:46	0°♋	
	-10150 Dec 25 j 22:49	0°♌	
	-10149 Feb 11 j 13:03	0°♍	
desc. node	-10149 Mar 28 j 14:14	19°♍24'43	
retrograde	-10149 Apr 16 j 13:08	21°♍49'02	
min. Earth dist.	-10149 May 13 j 23:24	16°♍52'30	0.43547 AU
opposition	-10149 May 21 j 16:16	14°♍22'48	-3°35'02
greatest brilliancy	-10149 May 20 j 14:38	14°♍43'44	-2.5m
direct	-10149 Jun 22 j 14:49	8°♍14'09	
	-10149 Aug 30 j 08:41	0°♎	
	-10149 Oct 23 j 01:28	0°♏	
	-10149 Dec 11 j 16:46	0°♐	
	-10148 Jan 29 j 05:28	0°♑	
	-10148 Mar 16 j 21:03	0°♒	
asc. node	-10148 Mar 17 j 12:32	0°♒24'41	
evening set	-10148 Mar 27 j 12:45	6°♒48'46	
max. Earth dist.	-10148 Apr 24 j 08:20	24°♒50'02	2.61974 AU
	-10148 May 02 j 05:07	0°♓	
conjunction	-10148 May 14 j 16:12	8°♓15'27	0°33'37
minimum elong	-10148 May 14 j 14:57	8°♓13'21	0°33'20
	-10148 Jun 15 j 19:50	0°♈	
morning rise	-10148 Jul 01 j 13:07	10°♈52'35	
	-10148 Jul 28 j 14:55	0°♉	
	-10148 Sep 07 j 20:03	0°♊	
	-10148 Oct 17 j 23:20	0°♋	
	-10148 Nov 26 j 18:06	0°♌	
	-10147 Jan 06 j 05:00	0°♍	
desc. node	-10147 Feb 12 j 12:25	26°♍15'26	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10147 Feb 18 j 02:33	0°♎		
	-10147 Apr 09 j 11:54	0°♏		
retrograde	-10147 Jun 03 j 13:37	16°♏17'14		
min. Earth dist.	-10147 Jul 05 j 21:27	9°♏17'24	0.55734 AU	
greatest brilliancy	-10147 Jul 11 j 07:21	7°♏12'21	-1.8m	
opposition	-10147 Jul 12 j 12:59	6°♏43'46	-5°34'58	
	-10147 Aug 03 j 07:52	30°℞♎		
direct	-10147 Aug 17 j 07:57	28°♎40'47		
	-10147 Sep 01 j 03:28	0°♏		
	-10147 Nov 15 j 01:51	0°♐		
	-10146 Jan 07 j 07:43	0°♑		
asc. node	-10146 Feb 02 j 13:10	15°♑43'11		
	-10146 Feb 25 j 17:29	0°♒		
	-10146 Apr 13 j 15:01	0°♓		
evening set	-10146 May 07 j 22:30	16°♓11'18		
max. Earth dist.	-10146 May 25 j 11:13	28°♓09'16	2.52809 AU	
	-10146 May 28 j 03:19	0°♈		
conjunction	-10146 Jun 27 j 21:47	21°♈41'37	1°09'11	
minimum elong	-10146 Jun 27 j 20:32	21°♈39'22	1°09'20	
	-10146 Jul 09 j 09:42	0°♉		
	-10146 Aug 18 j 19:29	0°♊		
morning rise	-10146 Aug 20 j 08:03	1°♊09'11		
	-10146 Sep 26 j 23:47	0°♋		
	-10146 Nov 04 j 17:22	0°♌		
	-10146 Dec 13 j 21:18	0°♍		
desc. node	-10146 Dec 31 j 07:52	13°♍03'52		
	-10145 Jan 23 j 11:47	0°♎		
	-10145 Mar 07 j 20:55	0°♏		
	-10145 Apr 25 j 23:01	0°♐		
retrograde	-10145 Jul 12 j 00:34	26°♐28'30		
min. Earth dist.	-10145 Aug 17 j 23:31	17°♐45'32	0.64143 AU	
opposition	-10145 Aug 21 j 00:10	16°♐32'34	-4°13'44	
greatest brilliancy	-10145 Aug 20 j 14:35	16°♐42'11	-1.5m	
direct	-10145 Sep 28 j 17:27	7°♐20'14		
	-10145 Dec 11 j 11:28	0°♑		
asc. node	-10145 Dec 21 j 16:53	5°♑08'14		
	-10144 Feb 04 j 11:41	0°♒		
	-10144 Mar 24 j 02:34	0°♓		
	-10144 May 08 j 02:23	0°♈		
	-10144 Jun 19 j 07:13	0°♉		
evening set	-10144 Jun 24 j 19:14	4°♉02'10		
max. Earth dist.	-10144 Jul 18 j 16:54	21°♉52'41	2.40965 AU	
	-10144 Jul 29 j 09:25	0°♊		
conjunction	-10144 Aug 21 j 09:28	17°♊42'56	0°58'06	
minimum elong	-10144 Aug 21 j 12:19	17°♊48'29	0°58'37	
	-10144 Sep 06 j 03:56	0°♋		
	-10144 Oct 14 j 11:41	0°♌		
morning rise	-10144 Oct 23 j 17:53	7°♌13'24		
desc. node	-10144 Nov 17 j 02:28	26°♌03'49		
	-10144 Nov 22 j 05:49	0°♍		
	-10143 Jan 01 j 06:51	0°♎		
	-10143 Feb 12 j 10:12	0°♏		
	-10143 Mar 29 j 13:45	0°♐		
	-10143 May 18 j 18:39	0°♑		
	-10143 Jul 31 j 16:20	0°♒		
retrograde	-10143 Aug 15 j 05:15	1°♒16'29		
	-10143 Aug 29 j 01:18	30°℞♑		
opposition	-10143 Sep 23 j 19:54	21°♑41'22	-1°44'32	
greatest brilliancy	-10143 Sep 23 j 21:30	21°♑39'46	-1.4m	
min. Earth dist.	-10143 Sep 24 j 13:23	21°♑23'50	0.66571 AU	
direct	-10143 Nov 03 j 06:44	11°♑51'29		
asc. node	-10143 Nov 07 j 21:58	11°♑59'23		
	-10142 Jan 06 j 02:06	0°♒		
	-10142 Mar 02 j 01:40	0°♓		
	-10142 Apr 17 j 19:44	0°♈		
	-10142 May 30 j 13:22	0°♉		
	-10142 Jul 09 j 17:50	0°♊		
	-10142 Aug 17 j 11:11	0°♋		
evening set	-10142 Aug 24 j 23:54	5°♋53'55		
	-10142 Sep 24 j 17:27	0°♌		
desc. node	-10142 Oct 04 j 20:55	7°♌55'20		
conjunction	-10142 Oct 27 j 05:23	25°♌13'33	-0°16'51	
minimum elong	-10142 Oct 27 j 03:55	25°♌10'43	0°16'27	
	-10142 Nov 02 j 10:52	0°♍		
max. Earth dist.	-10142 Dec 11 j 02:28	29°♍00'16	2.43033 AU	
	-10142 Dec 12 j 11:00	0°♎		
morning rise	-10142 Dec 29 j 10:42	12°♎20'38		
	-10141 Jan 23 j 08:59	0°♏		
	-10141 Mar 08 j 14:54	0°♐		
	-10141 Apr 24 j 14:39	0°♑		
	-10141 Jun 14 j 15:40	0°♒		
	-10141 Aug 18 j 17:08	0°♓		
retrograde	-10141 Sep 21 j 03:01	5°♓54'40		
asc. node	-10141 Sep 26 j 00:58	5°♓45'21		
	-10141 Oct 21 j 15:58	30°℞♒		
opposition	-10141 Oct 29 j 07:51	27°♒05'34	1°22'12	
greatest brilliancy	-10141 Oct 29 j 12:15	27°♒01'15	-1.5m	
min. Earth dist.	-10141 Nov 02 j 17:37	25°♒22'12	0.62858 AU	
direct	-10141 Dec 09 j 04:49	17°♒07'59		
	-10140 Jan 28 j 20:35	0°♓		
	-10140 Mar 23 j 23:30	0°♈		
	-10140 May 07 j 21:32	0°♉		
	-10140 Jun 17 j 22:10	0°♊		
	-10140 Jul 27 j 01:53	0°♋		
desc. node	-10140 Aug 21 j 19:18	20°♋00'21		
	-10140 Sep 03 j 15:57	0°♌		
	-10140 Oct 12 j 16:56	0°♍		
evening set	-10140 Oct 28 j 02:27	11°♍35'49		
	-10140 Nov 22 j 00:28	0°♎		
conjunction	-10140 Dec 25 j 07:10	23°♎48'39	-1°09'30	
minimum elong	-10140 Dec 25 j 05:39	23°♎45'58	1°09'40	
	-10139 Jan 03 j 03:46	0°♏		
max. Earth dist.	-10139 Jan 27 j 07:40	16°♏34'47	2.55154 AU	
	-10139 Feb 16 j 07:58	0°♐		
morning rise	-10139 Feb 18 j 04:27	1°♐13'45		
	-10139 Apr 03 j 11:11	0°♑		
	-10139 May 21 j 10:42	0°♒		
	-10139 Jul 10 j 21:36	0°♓		
asc. node	-10139 Aug 12 j 23:39	18°♓07'29		
	-10139 Sep 06 j 10:42	0°♈		
retrograde	-10139 Nov 03 j 16:42	15°♈35'51		
opposition	-10139 Dec 09 j 07:17	8°♈04'13	4°50'13	
greatest brilliancy	-10139 Dec 10 j 11:35	7°♈38'34	-1.9m	
min. Earth dist.	-10139 Dec 16 j 22:14	5°♈18'56	0.53463 AU	
	-10138 Jan 05 j 00:13	30°℞♓		
direct	-10138 Jan 17 j 13:47	28°♓55'20		
	-10138 Jan 30 j 10:44	0°♈		
	-10138 Apr 09 j 10:22	0°♉		
	-10138 May 24 j 10:58	0°♊		
	-10138 Jul 04 j 09:24	0°♋		
desc. node	-10138 Jul 09 j 22:22	4°♋09'29		
	-10138 Aug 13 j 03:21	0°♌		
	-10138 Sep 22 j 02:50	0°♍		
	-10138 Nov 02 j 05:36	0°♎		
	-10138 Dec 15 j 00:27	0°♏		
evening set	-10138 Dec 20 j 20:27	3°♏59'42		
	-10137 Jan 28 j 14:11	0°♐		
conjunction	-10137 Feb 10 j 17:11	8°♐37'52	-1°06'23	
minimum elong	-10137 Feb 10 j 18:32	8°♐40'04	1°06'54	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

max. Earth dist.	-10137 Feb 25 j 15:08	18°♐21'05	2.63454 AU
	-10137 Mar 15 j 16:04	0°♑	
morning rise	-10137 Apr 01 j 00:38	10°♑28'55	
	-10137 May 01 j 17:10	0°♒	
	-10137 Jun 18 j 06:41	0°♓	
asc. node	-10137 Jun 30 j 17:51	7°♓48'38	
	-10137 Aug 05 j 11:28	0°♈	
	-10137 Sep 24 j 17:11	0°♉	
	-10137 Nov 23 j 11:36	0°♊	
retrograde	-10136 Jan 05 j 08:59	9°♊33'12	
opposition	-10136 Feb 06 j 01:02	3°♊57'51	6°29'22
greatest brilliancy	-10136 Feb 07 j 13:36	3°♊30'47	-2.6m
min. Earth dist.	-10136 Feb 12 j 10:02	2°♊05'24	0.41509 AU
	-10136 Feb 20 j 06:54	30°℞♉	
direct	-10136 Mar 10 j 19:24	27°♉30'30	
	-10136 Mar 30 j 07:54	0°♊	
desc. node	-10136 May 27 j 02:51	26°♊53'07	
	-10136 Jun 01 j 04:38	0°♋	
	-10136 Jul 16 j 13:11	0°♌	
	-10136 Aug 28 j 16:06	0°♍	
	-10136 Oct 10 j 21:43	0°♎	
	-10136 Nov 24 j 04:04	0°♏	
	-10135 Jan 08 j 16:56	0°♐	
evening set	-10135 Feb 01 j 16:37	15°♐31'16	
	-10135 Feb 24 j 05:52	0°♑	
conjunction	-10135 Mar 22 j 06:17	16°♑38'22	-0°31'51
minimum elong	-10135 Mar 22 j 07:27	16°♑40'15	0°32'26
max. Earth dist.	-10135 Mar 21 j 17:39	16°♑18'11	2.66563 AU
	-10135 Apr 12 j 03:33	0°♒	
morning rise	-10135 May 08 j 01:42	16°♒39'04	
asc. node	-10135 May 17 j 10:39	22°♒42'05	
	-10135 May 28 j 17:00	0°♓	
	-10135 Jul 13 j 11:35	0°♈	
	-10135 Aug 27 j 10:12	0°♉	
	-10135 Oct 10 j 21:51	0°♊	
	-10135 Nov 24 j 20:33	0°♋	
	-10134 Jan 12 j 04:18	0°♌	
retrograde	-10134 Mar 22 j 18:18	24°♌25'02	
desc. node	-10134 Apr 14 j 06:07	21°♌11'56	
min. Earth dist.	-10134 Apr 19 j 04:47	19°♌50'27	0.39718 AU
opposition	-10134 Apr 24 j 13:03	18°♌17'53	-0°47'20
greatest brilliancy	-10134 Apr 24 j 08:28	18°♌21'12	-2.8m
direct	-10134 May 25 j 00:55	12°♌56'12	
	-10134 Jul 22 j 11:47	0°♍	
	-10134 Sep 14 j 07:10	0°♎	
	-10134 Nov 01 j 23:04	0°♏	
	-10134 Dec 19 j 18:54	0°♐	
	-10133 Feb 05 j 12:04	0°♑	
evening set	-10133 Mar 13 j 06:58	22°♑38'52	
	-10133 Mar 24 j 19:38	0°♒	
asc. node	-10133 Apr 04 j 05:22	6°♒40'19	
max. Earth dist.	-10133 Apr 15 j 07:40	13°♒49'35	2.64304 AU
conjunction	-10133 Apr 30 j 02:06	23°♒25'24	0°15'16
minimum elong	-10133 Apr 30 j 01:30	23°♒24'26	0°14'53
behind sun begin	-10133 Apr 29 j 18:29	23°♒12'58	
behind sun end	-10133 Apr 30 j 08:32	23°♒35'54	
	-10133 May 10 j 02:57	0°♓	
morning rise	-10133 Jun 16 j 00:51	24°♓37'29	
	-10133 Jun 23 j 22:41	0°♈	
	-10133 Aug 06 j 03:20	0°♉	
	-10133 Sep 16 j 21:52	0°♊	
	-10133 Oct 27 j 17:15	0°♋	
	-10133 Dec 07 j 07:28	0°♌	
	-10132 Jan 17 j 23:14	0°♍	
desc. node	-10132 Mar 01 j 08:11	28°♍33'56	
	-10132 Mar 03 j 17:29	0°♎	
retrograde	-10132 May 17 j 08:18	27°♎39'16	
min. Earth dist.	-10132 Jun 16 j 13:49	21°♎29'05	0.51093 AU
greatest brilliancy	-10132 Jun 22 j 20:04	19°♎10'39	-2.1m
opposition	-10132 Jun 24 j 06:56	18°♎38'23	-5°27'01
direct	-10132 Jul 28 j 14:35	11°♎14'35	
	-10132 Sep 30 j 15:52	0°♏	
	-10132 Nov 25 j 19:33	0°♐	
	-10131 Jan 15 j 12:33	0°♑	
asc. node	-10131 Feb 19 j 03:30	21°♑17'01	
	-10131 Mar 05 j 01:21	0°♒	
	-10131 Apr 20 j 15:54	0°♓	
evening set	-10131 Apr 21 j 07:22	0°♓25'27	
max. Earth dist.	-10131 May 12 j 05:37	14°♓21'28	2.56922 AU
	-10131 Jun 04 j 04:17	0°♈	
conjunction	-10131 Jun 09 j 18:16	3°♈52'04	0°58'33
minimum elong	-10131 Jun 09 j 16:33	3°♈49'05	0°58'31
	-10131 Jul 16 j 14:41	0°♉	
morning rise	-10131 Jul 30 j 08:05	9°♉59'45	
	-10131 Aug 26 j 06:54	0°♊	
	-10131 Oct 04 j 18:31	0°♋	
	-10131 Nov 12 j 19:34	0°♌	
	-10131 Dec 22 j 07:35	0°♍	
desc. node	-10130 Jan 17 j 04:51	19°♍05'35	
	-10130 Feb 01 j 10:09	0°♎	
	-10130 Mar 18 j 00:40	0°♏	
	-10130 May 11 j 12:20	0°♐	
retrograde	-10130 Jun 27 j 18:48	12°♐00'35	
min. Earth dist.	-10130 Aug 02 j 01:39	3°♐53'49	0.61502 AU
opposition	-10130 Aug 06 j 13:48	2°♐06'09	-4°56'54
greatest brilliancy	-10130 Aug 05 j 20:37	2°♐23'15	-1.6m
	-10130 Aug 11 j 23:02	30°℞♏	
direct	-10130 Sep 13 j 07:14	23°♏16'33	
	-10130 Oct 19 j 02:34	0°♐	
	-10130 Dec 22 j 23:03	0°♑	
asc. node	-10129 Jan 07 j 06:13	8°♑29'59	
	-10129 Feb 12 j 21:04	0°♒	
	-10129 Apr 01 j 15:04	0°♓	
	-10129 May 16 j 08:52	0°♈	
evening set	-10129 Jun 05 j 13:10	14°♈08'36	
max. Earth dist.	-10129 Jun 21 j 18:22	25°♈47'08	2.45531 AU
	-10129 Jun 27 j 13:22	0°♉	
conjunction	-10129 Jul 30 j 02:07	24°♉11'40	1°10'48
minimum elong	-10129 Jul 30 j 03:14	24°♉13'48	1°11'15
	-10129 Aug 06 j 17:45	0°♊	
	-10129 Sep 14 j 15:07	0°♋	
morning rise	-10129 Sep 27 j 13:27	10°♋05'07	
	-10129 Oct 23 j 01:37	0°♌	
	-10129 Nov 30 j 22:15	0°♍	
desc. node	-10129 Dec 04 j 21:59	3°♍02'07	
	-10128 Jan 10 j 02:15	0°♎	
	-10128 Feb 21 j 12:15	0°♏	
	-10128 Apr 07 j 11:56	0°♐	
	-10128 May 31 j 03:59	0°♑	
retrograde	-10128 Aug 01 j 14:24	18°♑10'36	
opposition	-10128 Sep 10 j 11:43	8°♑24'12	-2°47'37
greatest brilliancy	-10128 Sep 10 j 10:41	8°♑25'14	-1.4m
min. Earth dist.	-10128 Sep 09 j 18:10	8°♑41'52	0.66343 AU
	-10128 Oct 06 j 14:58	30°℞♐	
direct	-10128 Oct 20 j 09:45	28°♐45'56	
	-10128 Nov 03 j 21:48	0°♑	
asc. node	-10128 Nov 24 j 11:45	5°♑11'08	
	-10127 Jan 18 j 13:02	0°♒	
	-10127 Mar 10 j 21:09	0°♓	
	-10127 Apr 25 j 17:24	0°♈	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10127 Jun 07 j 04:12	0°♉	
	-10127 Jul 17 j 06:50	0°♊	
evening set	-10127 Jul 30 j 16:43	10°♊18'42	
	-10127 Aug 24 j 23:40	0°♋	
conjunction	-10127 Sep 30 j 19:29	28°♋53'36	0°15'54
minimum elong	-10127 Sep 30 j 21:01	28°♋56'34	0°16'25
	-10127 Oct 02 j 05:25	0°♌	
desc. node	-10127 Oct 21 j 16:15	15°♌10'12	
max. Earth dist.	-10127 Oct 29 j 03:57	20°♌58'00	2.38874 AU
	-10127 Nov 09 j 21:56	0°♍	
morning rise	-10127 Dec 05 j 01:44	19°♍01'58	
	-10127 Dec 19 j 20:57	0°♎	
	-10126 Jan 30 j 19:00	0°♏	
	-10126 Mar 16 j 05:25	0°♐	
	-10126 May 02 j 23:10	0°♑	
	-10126 Jun 25 j 22:25	0°♒	
retrograde	-10126 Sep 06 j 06:24	22°♒20'30	
asc. node	-10126 Oct 12 j 16:21	14°♒08'53	
opposition	-10126 Oct 15 j 03:33	13°♒10'27	0°05'59
greatest brilliancy	-10126 Oct 15 j 03:49	13°♒10'11	-1.5m
min. Earth dist.	-10126 Oct 18 j 03:17	11°♒59'24	0.65032 AU
direct	-10126 Nov 25 j 00:58	3°♒11'34	
	-10125 Feb 12 j 19:28	0°♓	
	-10125 Apr 03 j 18:17	0°♈	
	-10125 May 17 j 11:43	0°♉	
	-10125 Jun 27 j 01:41	0°♊	
	-10125 Aug 04 j 23:42	0°♋	
desc. node	-10125 Sep 08 j 13:24	27°♋00'48	
	-10125 Sep 12 j 09:19	0°♌	
evening set	-10125 Oct 04 j 13:30	17°♌12'23	
	-10125 Oct 21 j 05:59	0°♍	
	-10125 Nov 30 j 09:07	0°♎	
conjunction	-10125 Dec 04 j 14:12	3°♎04'33	-0°56'27
minimum elong	-10125 Dec 04 j 11:24	2°♎59'28	0°56'24
	-10124 Jan 11 j 08:44	0°♏	
max. Earth dist.	-10124 Jan 13 j 17:49	1°♏39'23	2.50672 AU
morning rise	-10124 Jan 31 j 15:39	13°♏58'56	
	-10124 Feb 24 j 11:33	0°♐	
	-10124 Apr 10 j 19:15	0°♑	
	-10124 May 29 j 13:03	0°♒	
	-10124 Jul 21 j 13:12	0°♓	
asc. node	-10124 Aug 29 j 16:49	18°♓23'47	
retrograde	-10124 Oct 15 j 21:28	29°♓16'22	
opposition	-10124 Nov 21 j 16:44	21°♓09'33	3°29'20
greatest brilliancy	-10124 Nov 22 j 09:55	20°♓53'21	-1.7m
min. Earth dist.	-10124 Nov 28 j 05:09	18°♓42'21	0.57734 AU
direct	-10124 Dec 31 j 22:18	11°♓31'21	
	-10123 Mar 02 j 20:45	0°♈	
	-10123 Apr 21 j 22:18	0°♉	
	-10123 Jun 03 j 13:16	0°♊	
	-10123 Jul 13 j 11:51	0°♋	
desc. node	-10123 Jul 26 j 13:55	10°♋00'56	
	-10123 Aug 21 j 14:49	0°♌	
	-10123 Sep 30 j 02:39	0°♍	
	-10123 Nov 09 j 19:35	0°♎	
evening set	-10123 Dec 01 j 10:55	15°♎27'30	
	-10123 Dec 22 j 06:27	0°♏	
conjunction	-10122 Jan 24 j 10:27	22°♏33'07	-1°12'40
minimum elong	-10122 Jan 24 j 11:02	22°♏34'07	1°13'05
	-10122 Feb 04 j 14:43	0°♐	
max. Earth dist.	-10122 Feb 15 j 05:10	6°♐59'56	2.60793 AU
morning rise	-10122 Mar 16 j 11:57	26°♐03'11	
	-10122 Mar 22 j 15:13	0°♑	
	-10122 May 08 j 21:45	0°♒	

	-10122 Jun 26 j 05:46	0°♓	
asc. node	-10122 Jul 17 j 12:21	12°♓55'11	
	-10122 Aug 15 j 10:21	0°♈	
	-10122 Oct 11 j 04:23	0°♉	
retrograde	-10122 Dec 08 j 23:58	16°♉02'06	
opposition	-10121 Jan 11 j 04:08	9°♉39'35	6°28'20
greatest brilliancy	-10121 Jan 12 j 22:24	9°♉05'00	-2.3m
min. Earth dist.	-10121 Jan 19 j 05:22	7°♉02'18	0.45967 AU
direct	-10121 Feb 16 j 16:24	1°♉54'43	
	-10121 May 02 j 17:08	0°♊	
desc. node	-10121 Jun 13 j 18:58	27°♊43'49	
	-10121 Jun 17 j 00:50	0°♋	
	-10121 Jul 28 j 20:15	0°♌	
	-10121 Sep 08 j 04:15	0°♍	
	-10121 Oct 20 j 06:48	0°♎	
	-10121 Dec 02 j 19:07	0°♏	
	-10120 Jan 16 j 20:25	0°♐	
evening set	-10120 Jan 17 j 11:18	0°♐24'22	
	-10120 Mar 03 j 03:22	0°♑	
conjunction	-10120 Mar 06 j 23:52	2°♑28'30	-0°47'34
minimum elong	-10120 Mar 07 j 01:24	2°♑30'57	0°48'09
max. Earth dist.	-10120 Mar 12 j 04:10	5°♑47'48	2.65987 AU
	-10120 Apr 19 j 00:38	0°♒	
morning rise	-10120 Apr 23 j 10:58	2°♒49'51	
asc. node	-10120 Jun 03 j 04:54	28°♒55'57	
	-10120 Jun 04 j 20:44	0°♓	
	-10120 Jul 21 j 07:42	0°♈	
	-10120 Sep 05 j 13:47	0°♉	
	-10120 Oct 22 j 12:32	0°♊	
	-10120 Dec 12 j 01:49	0°♋	
retrograde	-10119 Feb 21 j 15:55	24°♋13'38	
opposition	-10119 Mar 24 j 15:05	19°♋00'06	2°55'45
min. Earth dist.	-10119 Mar 24 j 03:37	19°♋07'49	0.38203 AU
greatest brilliancy	-10119 Mar 24 j 17:37	18°♋58'23	-2.9m
direct	-10119 Apr 24 j 02:57	13°♋53'24	
desc. node	-10119 May 01 j 00:10	14°♋12'08	
	-10119 Jun 18 j 09:32	0°♌	
	-10119 Aug 09 j 17:15	0°♍	
	-10119 Sep 25 j 14:34	0°♎	
	-10119 Nov 10 j 19:42	0°♏	
	-10119 Dec 27 j 11:16	0°♐	
	-10118 Feb 12 j 14:26	0°♑	
evening set	-10118 Feb 26 j 02:40	8°♑35'11	
	-10118 Mar 31 j 16:29	0°♒	
max. Earth dist.	-10118 Apr 05 j 18:17	3°♒15'12	2.65819 AU
conjunction	-10118 Apr 14 j 22:48	9°♒09'42	-0°03'33
minimum elong	-10118 Apr 14 j 22:58	9°♒09'59	0°04'03
behind sun begin	-10118 Apr 14 j 03:53	8°♒39'16	
behind sun end	-10118 Apr 15 j 18:03	9°♒40'42	
asc. node	-10118 Apr 20 j 21:55	13°♒00'33	
	-10118 May 17 j 00:54	0°♓	
morning rise	-10118 May 31 j 12:28	9°♓31'53	
	-10118 Jul 01 j 03:29	0°♈	
	-10118 Aug 13 j 20:36	0°♉	
	-10118 Sep 25 j 09:13	0°♊	
	-10118 Nov 06 j 04:28	0°♋	
	-10118 Dec 18 j 03:59	0°♌	
	-10117 Jan 31 j 09:52	0°♍	
desc. node	-10117 Mar 19 j 01:32	25°♍57'42	
	-10117 Mar 29 j 02:26	0°♎	
retrograde	-10117 Apr 28 j 20:45	6°♎02'10	
min. Earth dist.	-10117 May 27 j 03:34	0°♎41'24	0.46169 AU
	-10117 May 29 j 04:40	30°℞♍	
greatest brilliancy	-10117 Jun 02 j 20:11	28°♍23'44	-2.4m
opposition	-10117 Jun 04 j 04:43	27°♍55'38	-4°34'21

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

direct	-10117 Jul 06 j 22:54	21°♍18'38	
	-10117 Aug 16 j 03:03	0°♎	
	-10117 Oct 15 j 21:13	0°♏	
	-10117 Dec 06 j 02:28	0°♐	
	-10116 Jan 24 j 06:21	0°♑	
asc. node	-10116 Mar 07 j 19:00	27°♑12'44	
	-10116 Mar 12 j 04:33	0°♒	
evening set	-10116 Apr 05 j 10:33	15°♒31'51	
	-10116 Apr 27 j 14:56	0°♓	
max. Earth dist.	-10116 Apr 30 j 15:40	1°♓59'56	2.60385 AU
conjunction	-10116 May 23 j 21:56	17°♓31'44	0°43'32
minimum elong	-10116 May 23 j 20:24	17°♓29'08	0°43'21
	-10116 Jun 11 j 05:12	0°♈	
morning rise	-10116 Jul 11 j 12:40	21°♈10'30	
	-10116 Jul 23 j 21:21	0°♉	
	-10116 Sep 02 j 21:49	0°♊	
	-10116 Oct 12 j 18:53	0°♋	
	-10116 Nov 21 j 05:55	0°♌	
	-10116 Dec 31 j 06:07	0°♍	
desc. node	-10115 Feb 02 j 23:40	24°♍16'47	
	-10115 Feb 11 j 05:51	0°♎	
	-10115 Mar 30 j 09:28	0°♏	
retrograde	-10115 Jun 12 j 17:39	26°♏22'14	
min. Earth dist.	-10115 Jul 16 j 03:54	18°♏57'06	0.58010 AU
greatest brilliancy	-10115 Jul 21 j 00:54	17°♏02'45	-1.7m
opposition	-10115 Jul 22 j 02:17	16°♏37'55	-5°26'44
direct	-10115 Aug 27 j 15:37	8°♏16'26	
	-10115 Nov 06 j 20:15	0°♐	
	-10114 Jan 01 j 13:52	0°♑	
asc. node	-10114 Jan 23 j 20:14	13°♑03'53	
	-10114 Feb 20 j 17:20	0°♒	
	-10114 Apr 08 j 21:35	0°♓	
evening set	-10114 May 17 j 23:34	26°♓11'37	
	-10114 May 23 j 12:07	0°♈	
max. Earth dist.	-10114 Jun 03 j 06:10	7°♈29'15	2.50304 AU
	-10114 Jul 04 j 18:11	0°♉	
conjunction	-10114 Jul 09 j 00:50	3°♉07'17	1°12'21
minimum elong	-10114 Jul 09 j 00:14	3°♉06'10	1°12'36
	-10114 Aug 14 j 02:25	0°♊	
morning rise	-10114 Sep 02 j 09:48	14°♊44'16	
	-10114 Sep 22 j 04:21	0°♋	
	-10114 Oct 30 j 19:04	0°♌	
	-10114 Dec 08 j 19:39	0°♍	
desc. node	-10114 Dec 21 j 18:40	9°♍46'34	
	-10113 Jan 18 j 04:44	0°♎	
	-10113 Mar 02 j 01:58	0°♏	
	-10113 Apr 18 j 13:34	0°♐	
	-10113 Jun 21 j 01:44	0°♑	
retrograde	-10113 Jul 19 j 23:28	4°♑48'16	
	-10113 Aug 15 j 17:18	30°℞♐	
min. Earth dist.	-10113 Aug 26 j 18:37	25°♐47'40	0.65183 AU
opposition	-10113 Aug 28 j 23:34	24°♐54'23	-3°44'20
greatest brilliancy	-10113 Aug 28 j 17:36	25°♐00'23	-1.4m
direct	-10113 Oct 07 j 04:31	15°♐31'31	
	-10113 Dec 02 j 05:52	0°♑	
asc. node	-10113 Dec 12 j 01:16	4°♑24'50	
	-10112 Jan 29 j 14:31	0°♒	
	-10112 Mar 19 j 00:35	0°♓	
	-10112 May 03 j 07:14	0°♈	
	-10112 Jun 14 j 14:10	0°♉	
evening set	-10112 Jul 07 j 05:50	16°♉47'00	
	-10112 Jul 24 j 16:37	0°♊	
max. Earth dist.	-10112 Aug 12 j 11:22	14°♊27'16	2.38967 AU
	-10112 Sep 01 j 10:28	0°♋	
conjunction	-10112 Sep 04 j 15:16	2°♋30'15	0°45'26
minimum elong	-10112 Sep 04 j 18:25	2°♋36'24	0°45'58
	-10112 Oct 09 j 17:12	0°♌	
desc. node	-10112 Nov 07 j 11:06	22°♌20'43	
morning rise	-10112 Nov 08 j 10:07	23°♌05'05	
	-10112 Nov 17 j 10:19	0°♍	
	-10112 Dec 27 j 09:48	0°♎	
	-10111 Feb 07 j 09:47	0°♏	
	-10111 Mar 24 j 04:30	0°♐	
	-10111 May 12 j 03:59	0°♑	
	-10111 Jul 11 j 17:45	0°♒	
retrograde	-10111 Aug 23 j 02:56	9°♒10'32	
	-10111 Sep 30 j 20:07	30°℞♑	
opposition	-10111 Oct 01 j 12:48	29°♑43'20	-1°05'25
greatest brilliancy	-10111 Oct 01 j 14:38	29°♑41'30	-1.4m
min. Earth dist.	-10111 Oct 03 j 01:46	29°♑06'23	0.66295 AU
asc. node	-10111 Oct 29 j 06:29	20°♑54'11	
direct	-10111 Nov 11 j 05:15	19°♑48'50	
	-10111 Dec 26 j 11:00	0°♒	
	-10110 Feb 23 j 21:32	0°♓	
	-10110 Apr 12 j 13:17	0°♈	
	-10110 May 25 j 14:25	0°♉	
	-10110 Jul 04 j 22:01	0°♊	
	-10110 Aug 12 j 16:37	0°♋	
evening set	-10110 Sep 08 j 17:28	21°♋11'34	
	-10110 Sep 19 j 23:19	0°♌	
desc. node	-10110 Sep 25 j 07:10	4°♌09'42	
	-10110 Oct 28 j 17:01	0°♍	
conjunction	-10110 Nov 10 j 16:57	9°♍52'42	-0°33'41
minimum elong	-10110 Nov 10 j 14:21	9°♍47'47	0°33'23
	-10110 Dec 07 j 17:10	0°♎	
max. Earth dist.	-10110 Dec 25 j 23:43	13°♎16'19	2.45771 AU
morning rise	-10109 Jan 11 j 04:48	24°♎48'28	
	-10109 Jan 18 j 14:30	0°♏	
	-10109 Mar 03 j 17:57	0°♐	
	-10109 Apr 19 j 09:34	0°♑	
	-10109 Jun 08 j 08:05	0°♒	
	-10109 Aug 05 j 09:58	0°♓	
asc. node	-10109 Sep 16 j 08:22	13°♓17'36	
retrograde	-10109 Sep 30 j 02:17	14°♓24'49	
opposition	-10109 Nov 06 j 20:54	5°♓49'20	2°07'55
greatest brilliancy	-10109 Nov 07 j 05:05	5°♓41'25	-1.6m
min. Earth dist.	-10109 Nov 12 j 01:29	3°♓48'57	0.61284 AU
	-10109 Nov 22 j 19:05	30°℞♒	
direct	-10109 Dec 17 j 15:05	25°♒55'52	
	-10108 Jan 13 j 03:10	0°♓	
	-10108 Mar 16 j 23:09	0°♈	
	-10108 May 02 j 03:06	0°♉	
	-10108 Jun 12 j 14:45	0°♊	
	-10108 Jul 22 j 00:03	0°♋	
desc. node	-10108 Aug 12 j 07:55	16°♋30'52	
	-10108 Aug 29 j 17:34	0°♌	
	-10108 Oct 07 j 21:13	0°♍	
evening set	-10108 Nov 10 j 02:45	24°♍45'57	
	-10108 Nov 17 j 06:42	0°♎	
	-10108 Dec 29 j 11:14	0°♏	
conjunction	-10107 Jan 05 j 18:03	5°♏02'24	-1°12'48
minimum elong	-10107 Jan 05 j 17:24	5°♏01'16	1°13'05
max. Earth dist.	-10107 Feb 03 j 19:18	24°♏46'05	2.57348 AU
	-10107 Feb 11 j 15:34	0°♐	
morning rise	-10107 Feb 28 j 03:13	10°♐52'22	
	-10107 Mar 29 j 16:28	0°♑	
	-10107 May 16 j 07:56	0°♒	
	-10107 Jul 04 j 19:30	0°♓	
asc. node	-10107 Aug 03 j 05:23	16°♓55'57	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10107 Aug 27 j 12:36	0°♈	
retrograde	-10107 Nov 15 j 13:36	26°♈10'02	
opposition	-10107 Dec 20 j 08:47	19°♈01'20	5°32'23
greatest brilliancy	-10107 Dec 21 j 19:30	18°♈30'48	-2.1m
min. Earth dist.	-10107 Dec 28 j 09:45	16°♈12'12	0.50854 AU
direct	-10106 Jan 27 j 20:53	10°♈16'28	
	-10106 Mar 30 j 07:31	0°♉	
	-10106 May 17 j 08:22	0°♊	
	-10106 Jun 28 j 06:38	0°♋	
desc. node	-10106 Jun 30 j 10:50	1°♋36'16	
	-10106 Aug 07 j 13:13	0°♌	
	-10106 Sep 16 j 21:25	0°♍	
	-10106 Oct 28 j 06:33	0°♎	
	-10106 Dec 10 j 05:51	0°♏	
evening set	-10106 Dec 31 j 05:39	14°♏13'52	
	-10105 Jan 23 j 22:20	0°♐	
conjunction	-10105 Feb 20 j 03:46	17°♐48'15	-1°00'32
minimum elong	-10105 Feb 20 j 05:18	17°♐50'45	1°01'05
max. Earth dist.	-10105 Mar 03 j 13:04	25°♐10'21	2.64569 AU
	-10105 Mar 11 j 00:56	0°♑	
morning rise	-10105 Apr 09 j 16:53	18°♑59'32	
	-10105 Apr 26 j 23:42	0°♒	
	-10105 Jun 13 j 05:47	0°♓	
asc. node	-10105 Jun 20 j 22:52	4°♓53'23	
	-10105 Jul 30 j 16:22	0°♈	
	-10105 Sep 17 j 00:51	0°♉	
	-10105 Nov 08 j 04:55	0°♊	
retrograde	-10104 Jan 22 j 10:42	24°♊56'46	
opposition	-10104 Feb 22 j 09:25	19°♊41'38	5°45'33
greatest brilliancy	-10104 Feb 23 j 11:23	19°♊23'36	-2.8m
min. Earth dist.	-10104 Feb 26 j 22:21	18°♊26'10	0.39640 AU
direct	-10104 Mar 25 j 14:35	13°♊55'06	
desc. node	-10104 May 17 j 15:05	29°♊24'45	
	-10104 May 18 j 18:55	0°♋	
	-10104 Jul 08 j 06:09	0°♌	
	-10104 Aug 22 j 02:31	0°♍	
	-10104 Oct 05 j 05:54	0°♎	
	-10104 Nov 19 j 00:54	0°♏	
	-10103 Jan 03 j 21:20	0°♐	
evening set	-10103 Feb 10 j 17:27	24°♐19'52	
	-10103 Feb 19 j 14:16	0°♑	
max. Earth dist.	-10103 Mar 27 j 06:42	22°♑47'39	2.66517 AU
conjunction	-10103 Mar 30 j 22:36	25°♑08'16	-0°21'48
minimum elong	-10103 Mar 30 j 23:27	25°♑09'37	0°22'22
	-10103 Apr 07 j 12:50	0°♒	
asc. node	-10103 May 07 j 15:53	19°♒23'25	
morning rise	-10103 May 16 j 13:27	25°♒09'25	
	-10103 May 24 j 00:07	0°♓	
	-10103 Jul 08 j 12:17	0°♈	
	-10103 Aug 21 j 22:54	0°♉	
	-10103 Oct 04 j 14:14	0°♊	
	-10103 Nov 17 j 01:13	0°♋	
	-10103 Dec 31 j 21:10	0°♌	
	-10102 Feb 22 j 20:12	0°♍	
desc. node	-10102 Apr 04 j 19:06	10°♍42'22	
retrograde	-10102 Apr 06 j 07:39	10°♍43'21	
min. Earth dist.	-10102 May 03 j 10:44	6°♍00'55	0.41623 AU
opposition	-10102 May 10 j 09:11	3°♍52'52	-2°32'34
greatest brilliancy	-10102 May 09 j 15:47	4°♍06'20	-2.7m
	-10102 May 24 j 13:27	30°℞♌	
direct	-10102 Jun 10 j 15:22	28°♌07'00	
	-10102 Jun 28 j 00:51	0°♍	
	-10102 Sep 05 j 18:58	0°♎	
	-10102 Oct 26 j 18:54	0°♏	
	-10102 Dec 14 j 12:43	0°♐	
	-10101 Jan 31 j 16:13	0°♑	
	-10101 Mar 20 j 04:19	0°♒	
evening set	-10101 Mar 22 j 00:42	1°♒10'49	
asc. node	-10101 Mar 25 j 11:19	3°♒22'49	
max. Earth dist.	-10101 Apr 21 j 03:50	20°♒35'51	2.63110 AU
	-10101 May 05 j 12:42	0°♓	
conjunction	-10101 May 08 j 23:11	2°♓15'53	0°26'00
minimum elong	-10101 May 08 j 22:11	2°♓14'14	0°25'40
	-10101 Jun 19 j 06:24	0°♈	
morning rise	-10101 Jun 25 j 08:28	4°♈10'28	
	-10101 Aug 01 j 06:21	0°♉	
	-10101 Sep 11 j 17:44	0°♊	
	-10101 Oct 22 j 04:01	0°♋	
	-10101 Dec 01 j 06:15	0°♌	
	-10100 Jan 11 j 03:10	0°♍	
desc. node	-10100 Feb 20 j 18:29	27°♍59'10	
	-10100 Feb 23 j 21:03	0°♎	
	-10100 Apr 18 j 13:31	0°♏	
retrograde	-10100 May 27 j 09:48	8°♏58'31	
min. Earth dist.	-10100 Jun 27 j 19:07	2°♏20'48	0.53728 AU
	-10100 Jul 03 j 23:58	30°℞♎	
opposition	-10100 Jul 04 j 23:46	29°♎37'28	-5°35'56
greatest brilliancy	-10100 Jul 03 j 15:14	0°♏08'18	-1.9m
direct	-10100 Aug 09 j 04:02	21°♎51'02	
	-10100 Sep 17 j 12:23	0°♏	
	-10100 Nov 19 j 03:37	0°♐	
	-10099 Jan 10 j 04:31	0°♑	
asc. node	-10099 Feb 09 j 11:10	18°♑21'32	
	-10099 Feb 28 j 05:13	0°♒	
	-10099 Apr 16 j 00:37	0°♓	
evening set	-10099 Apr 30 j 16:42	9°♓42'33	
max. Earth dist.	-10099 May 19 j 13:00	22°♓25'17	2.54727 AU
	-10099 May 30 j 14:05	0°♈	
conjunction	-10099 Jun 19 j 21:50	14°♈12'17	1°05'19
minimum elong	-10099 Jun 19 j 20:17	14°♈09'33	1°05'23
	-10099 Jul 11 j 23:14	0°♉	
morning rise	-10099 Aug 10 j 22:45	22°♉04'10	
	-10099 Aug 21 j 12:30	0°♊	
	-10099 Sep 29 j 20:17	0°♋	
	-10099 Nov 07 j 16:45	0°♌	
	-10099 Dec 16 j 23:18	0°♍	
desc. node	-10098 Jan 07 j 13:51	16°♍06'08	
	-10098 Jan 26 j 17:10	0°♎	
	-10098 Mar 11 j 10:36	0°♏	
	-10098 Apr 30 j 23:41	0°♐	
retrograde	-10098 Jul 06 j 01:30	20°♐50'58	
min. Earth dist.	-10098 Aug 11 j 07:27	12°♐23'21	0.63085 AU
opposition	-10098 Aug 14 j 23:51	10°♐54'53	-4°33'15
greatest brilliancy	-10098 Aug 14 j 11:08	11°♐07'37	-1.5m
direct	-10098 Sep 22 j 07:18	1°♐51'55	
	-10098 Dec 15 j 21:06	0°♑	
asc. node	-10098 Dec 28 j 14:36	6°♑43'01	
	-10097 Feb 07 j 10:51	0°♒	
	-10097 Mar 27 j 17:36	0°♓	
	-10097 May 11 j 16:09	0°♈	
evening set	-10097 Jun 16 j 19:10	25°♈32'57	
	-10097 Jun 22 j 22:02	0°♉	
max. Earth dist.	-10097 Jul 05 j 16:57	9°♉24'30	2.42939 AU
	-10097 Aug 02 j 02:03	0°♊	
conjunction	-10097 Aug 11 j 23:05	7°♊33'20	1°05'05
minimum elong	-10097 Aug 12 j 01:17	7°♊37'34	1°05'35
	-10097 Sep 09 j 22:16	0°♋	
morning rise	-10097 Oct 12 j 17:06	25°♋38'27	
	-10097 Oct 18 j 06:58	0°♌	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

desc. node	-10097 Nov 25 j 08:38	29°♌27'53	
	-10097 Nov 26 j 01:26	0°♍	
	-10096 Jan 05 j 02:30	0°♎	
	-10096 Feb 16 j 06:36	0°♏	
	-10096 Apr 01 j 15:30	0°♐	
	-10096 May 22 j 20:33	0°♑	
retrograde	-10096 Aug 09 j 10:21	26°♑09'29	
opposition	-10096 Sep 18 j 04:53	16°♑28'53	-2°11'35
greatest brilliancy	-10096 Sep 18 j 05:38	16°♑28'09	-1.4m
min. Earth dist.	-10096 Sep 18 j 06:58	16°♑26'49	0.66594 AU
direct	-10096 Oct 28 j 11:00	6°♑43'33	
asc. node	-10096 Nov 14 j 20:00	8°♑28'34	
	-10095 Jan 11 j 00:11	0°♒	
	-10095 Mar 05 j 06:54	0°♓	
	-10095 Apr 20 j 16:30	0°♈	
	-10095 Jun 02 j 08:17	0°♉	
	-10095 Jul 12 j 12:48	0°♊	
evening set	-10095 Aug 13 j 18:56	24°♊56'13	
	-10095 Aug 20 j 06:23	0°♋	
	-10095 Sep 27 j 12:14	0°♌	
desc. node	-10095 Oct 12 j 02:59	11°♌24'38	
conjunction	-10095 Oct 15 j 18:48	14°♌15'17	-0°02'50
minimum elong	-10095 Oct 15 j 18:37	14°♌14'55	0°02'22
behind sun begin	-10095 Oct 14 j 15:32	13°♌22'19	
behind sun end	-10095 Oct 16 j 21:42	15°♌07'28	
	-10095 Nov 05 j 04:37	0°♍	
max. Earth dist.	-10095 Nov 26 j 08:56	16°♍03'41	2.40948 AU
	-10095 Dec 15 j 03:11	0°♎	
morning rise	-10095 Dec 19 j 04:18	2°♎58'08	
	-10094 Jan 25 j 23:33	0°♏	
	-10094 Mar 11 j 05:35	0°♐	
	-10094 Apr 27 j 10:09	0°♑	
	-10094 Jun 18 j 08:47	0°♒	
	-10094 Sep 05 j 18:01	0°♓	
retrograde	-10094 Sep 14 j 15:55	0°♓29'05	
	-10094 Sep 23 j 07:40	30°ᴿ♒	
asc. node	-10094 Oct 02 j 23:25	28°♒17'56	
opposition	-10094 Oct 23 j 05:11	21°♒30'04	0°49'32
greatest brilliancy	-10094 Oct 23 j 07:26	21°♒27'51	-1.5m
min. Earth dist.	-10094 Oct 27 j 00:10	20°♒00'37	0.63957 AU
direct	-10094 Dec 03 j 03:51	11°♒30'56	
	-10093 Feb 04 j 05:33	0°♓	
	-10093 Mar 28 j 17:50	0°♈	
	-10093 May 12 j 03:41	0°♉	
	-10093 Jun 22 j 00:07	0°♊	
	-10093 Jul 31 j 01:31	0°♋	
desc. node	-10093 Aug 30 j 00:40	23°♋21'38	
	-10093 Sep 07 j 13:11	0°♌	
	-10093 Oct 16 j 11:27	0°♍	
evening set	-10093 Oct 18 j 15:57	1°♍39'44	
	-10093 Nov 25 j 15:58	0°♎	
conjunction	-10093 Dec 17 j 04:37	15°♎33'07	-1°05'03
minimum elong	-10093 Dec 17 j 02:27	15°♎29'15	1°05'07
	-10092 Jan 06 j 16:14	0°♏	
max. Earth dist.	-10092 Jan 22 j 11:36	10°♏55'11	2.53224 AU
morning rise	-10092 Feb 11 j 10:55	24°♏27'01	
	-10092 Feb 19 j 18:29	0°♐	
	-10092 Apr 05 j 22:04	0°♑	
	-10092 May 24 j 03:25	0°♒	
	-10092 Jul 14 j 10:49	0°♓	
asc. node	-10092 Aug 19 j 22:40	19°♓01'13	
	-10092 Sep 14 j 13:41	0°♈	
retrograde	-10092 Oct 26 j 07:35	8°♈47'35	
opposition	-10092 Dec 01 j 11:46	0°♈59'23	4°15'50
greatest brilliancy	-10092 Dec 02 j 11:07	0°♈37'49	-1.8m
	-10092 Dec 04 j 03:55	30°ᴿ♓	
min. Earth dist.	-10092 Dec 08 j 16:05	28°♓20'30	0.55470 AU
direct	-10091 Jan 10 j 06:52	21°♓35'09	
	-10091 Feb 17 j 17:06	0°♈	
	-10091 Apr 14 j 16:15	0°♉	
	-10091 May 28 j 12:00	0°♊	
	-10091 Jul 07 j 23:04	0°♋	
desc. node	-10091 Jul 17 j 02:56	6°♋56'39	
	-10091 Aug 16 j 09:22	0°♌	
	-10091 Sep 25 j 02:26	0°♍	
	-10091 Nov 04 j 23:28	0°♎	
evening set	-10091 Dec 12 j 17:09	26°♎39'26	
	-10091 Dec 17 j 13:13	0°♏	
	-10090 Jan 30 j 23:17	0°♐	
conjunction	-10090 Feb 03 j 11:13	2°♐18'50	-1°09'39
minimum elong	-10090 Feb 03 j 12:19	2°♐20'39	1°10'08
max. Earth dist.	-10090 Feb 21 j 11:53	14°♐08'47	2.62358 AU
	-10090 Mar 17 j 23:29	0°♑	
morning rise	-10090 Mar 25 j 12:10	4°♑49'56	
	-10090 May 04 j 02:08	0°♒	
	-10090 Jun 20 j 22:40	0°♓	
asc. node	-10090 Jul 07 j 17:45	10°♓24'23	
	-10090 Aug 08 j 20:48	0°♈	
	-10090 Sep 30 j 02:52	0°♉	
retrograde	-10090 Dec 23 j 22:27	29°♉15'58	
opposition	-10089 Jan 25 j 06:26	23°♉20'07	6°38'18
greatest brilliancy	-10089 Jan 26 j 23:36	22°♉48'08	-2.5m
min. Earth dist.	-10089 Feb 01 j 15:33	21°♉03'34	0.43390 AU
direct	-10089 Mar 01 j 07:05	16°♉17'11	
	-10089 Apr 19 j 06:23	0°♊	
desc. node	-10089 Jun 04 j 07:22	27°♊02'55	
	-10089 Jun 08 j 18:39	0°♋	
	-10089 Jul 22 j 04:40	0°♌	
	-10089 Sep 02 j 08:51	0°♍	
	-10089 Oct 15 j 00:17	0°♎	
	-10089 Nov 27 j 20:46	0°♏	
	-10088 Jan 12 j 03:18	0°♐	
evening set	-10088 Jan 26 j 20:36	9°♐34'58	
	-10088 Feb 27 j 12:44	0°♑	
conjunction	-10088 Mar 15 j 19:14	11°♑03'48	-0°38'44
minimum elong	-10088 Mar 15 j 20:35	11°♑05'58	0°39'19
max. Earth dist.	-10088 Mar 17 j 17:56	12°♑18'30	2.66407 AU
	-10088 Apr 14 j 09:55	0°♒	
morning rise	-10088 May 01 j 20:33	11°♒10'23	
asc. node	-10088 May 24 j 10:34	25°♒42'01	
	-10088 May 31 j 02:24	0°♓	
	-10088 Jul 16 j 03:55	0°♈	
	-10088 Aug 30 j 15:17	0°♉	
	-10088 Oct 15 j 00:40	0°♊	
	-10088 Nov 30 j 17:03	0°♋	
	-10087 Jan 23 j 17:53	0°♌	
retrograde	-10087 Mar 10 j 13:39	11°♌49'05	
min. Earth dist.	-10087 Apr 07 j 22:57	7°♌08'44	0.38684 AU
opposition	-10087 Apr 11 j 09:13	6°♌11'51	0°47'45
greatest brilliancy	-10087 Apr 11 j 07:49	6°♌12'49	-2.9m
desc. node	-10087 Apr 21 j 10:50	3°♌34'47	
direct	-10087 May 11 j 14:18	1°♌03'00	
	-10087 Jul 30 j 22:25	0°♍	
	-10087 Sep 18 j 19:11	0°♎	
	-10087 Nov 05 j 04:52	0°♏	
	-10087 Dec 22 j 10:42	0°♐	
	-10086 Feb 07 j 20:59	0°♑	
evening set	-10086 Mar 06 j 20:08	17°♑05'26	
	-10086 Mar 27 j 02:06	0°♒	
max. Earth dist.	-10086 Apr 11 j 09:25	9°♒49'26	2.65090 AU

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

asc. node	-10086 Apr 11 j 04:32	9°♒41'35	
conjunction	-10086 Apr 23 j 14:22	17°♒42'51	0°07'22
minimum elong	-10086 Apr 23 j 14:06	17°♒42'25	0°06'56
behind sun begin	-10086 Apr 22 j 20:11	17°♒13'24	
behind sun end	-10086 Apr 24 j 08:00	18°♒11'26	
	-10086 May 12 j 10:30	0°♓	
morning rise	-10086 Jun 09 j 07:33	18°♓28'26	
	-10086 Jun 26 j 09:53	0°♈	
	-10086 Aug 08 j 20:42	0°♉	
	-10086 Sep 19 j 23:13	0°♊	
	-10086 Oct 31 j 04:27	0°♋	
	-10086 Dec 11 j 06:41	0°♌	
	-10085 Jan 22 j 18:10	0°♍	
desc. node	-10085 Mar 09 j 13:18	28°♍41'31	
	-10085 Mar 11 j 22:43	0°♎	
retrograde	-10085 May 10 j 06:27	19°♎08'40	
min. Earth dist.	-10085 Jun 08 j 13:57	13°♎21'38	0.48886 AU
greatest brilliancy	-10085 Jun 15 j 03:01	11°♎01'02	-2.2m
opposition	-10085 Jun 16 j 14:22	10°♎29'14	-5°11'37
direct	-10085 Jul 20 j 05:18	3°♎25'40	
	-10085 Oct 07 j 13:39	0°♏	
	-10085 Nov 30 j 04:27	0°♐	
	-10084 Jan 19 j 04:05	0°♑	
asc. node	-10084 Feb 27 j 01:52	24°♑05'57	
	-10084 Mar 07 j 10:41	0°♒	
evening set	-10084 Apr 14 j 11:21	24°♒24'26	
	-10084 Apr 23 j 00:16	0°♓	
max. Earth dist.	-10084 May 07 j 05:10	9°♓24'33	2.58560 AU
conjunction	-10084 Jun 02 j 09:49	27°♓07'14	0°52'34
minimum elong	-10084 Jun 02 j 08:07	27°♓04'18	0°52'28
	-10084 Jun 06 j 14:24	0°♈	
	-10084 Jul 19 j 04:22	0°♉	
morning rise	-10084 Jul 21 j 23:46	2°♉01'34	
	-10084 Aug 29 j 00:51	0°♊	
	-10084 Oct 07 j 17:00	0°♋	
	-10084 Nov 15 j 22:09	0°♌	
	-10084 Dec 25 j 14:17	0°♍	
desc. node	-10083 Jan 24 j 11:00	21°♍50'38	
	-10083 Feb 04 j 23:22	0°♎	
	-10083 Mar 22 j 07:20	0°♏	
	-10083 May 20 j 22:28	0°♐	
retrograde	-10083 Jun 21 j 12:28	5°♐55'23	
	-10083 Jul 21 j 01:06	30°℞♏	
min. Earth dist.	-10083 Jul 25 j 23:57	28°♏06'32	0.60035 AU
greatest brilliancy	-10083 Jul 30 j 06:50	26°♏24'53	-1.6m
opposition	-10083 Jul 31 j 03:34	26°♏04'23	-5°11'38
direct	-10083 Sep 06 j 09:10	17°♏26'32	
	-10083 Oct 27 j 12:45	0°♐	
	-10083 Dec 26 j 10:45	0°♑	
asc. node	-10082 Jan 14 j 03:51	10°♑40'01	
	-10082 Feb 15 j 13:56	0°♒	
	-10082 Apr 04 j 03:02	0°♓	
	-10082 May 18 j 20:35	0°♈	
evening set	-10082 May 28 j 08:57	6°♈36'44	
max. Earth dist.	-10082 Jun 13 j 01:37	17°♈42'05	2.47690 AU
	-10082 Jun 30 j 02:58	0°♉	
conjunction	-10082 Jul 20 j 17:00	15°♉10'30	1°12'42
minimum elong	-10082 Jul 20 j 17:18	15°♉11'04	1°13'03
	-10082 Aug 09 j 09:44	0°♊	
morning rise	-10082 Sep 16 j 06:56	29°♊08'21	
	-10082 Sep 17 j 09:32	0°♋	
	-10082 Oct 25 j 21:46	0°♌	
	-10082 Dec 03 j 19:25	0°♍	
desc. node	-10082 Dec 12 j 04:12	6°♍20'45	
	-10081 Jan 13 j 00:25	0°♎	
	-10081 Feb 24 j 12:52	0°♏	
	-10081 Apr 11 j 22:54	0°♐	
	-10081 Jun 07 j 00:07	0°♑	
retrograde	-10081 Jul 27 j 20:32	12°♑58'33	
min. Earth dist.	-10081 Sep 04 j 10:44	3°♑41'37	0.65940 AU
opposition	-10081 Sep 05 j 19:44	3°♑08'24	-3°12'10
greatest brilliancy	-10081 Sep 05 j 16:49	3°♑11'20	-1.4m
	-10081 Sep 13 j 19:31	30°℞♐	
direct	-10081 Oct 15 j 10:45	23°♐36'23	
	-10081 Nov 19 j 10:51	0°♑	
asc. node	-10081 Dec 02 j 09:10	4°♑42'44	
	-10080 Jan 23 j 06:21	0°♒	
	-10080 Mar 13 j 18:42	0°♓	
	-10080 Apr 28 j 10:17	0°♈	
	-10080 Jun 09 j 20:44	0°♉	
evening set	-10080 Jul 20 j 05:50	0°♊10'55	
	-10080 Jul 20 j 00:07	0°♊	
	-10080 Aug 27 j 17:50	0°♋	
conjunction	-10080 Sep 19 j 06:33	17°♋40'18	0°29'37
minimum elong	-10080 Sep 19 j 09:06	17°♋45'18	0°30'08
max. Earth dist.	-10080 Sep 23 j 05:08	20°♋45'52	2.38139 AU
	-10080 Oct 04 j 23:50	0°♌	
desc. node	-10080 Oct 28 j 21:52	18°♌38'12	
	-10080 Nov 12 j 15:51	0°♍	
morning rise	-10080 Nov 23 j 16:54	8°♍25'04	
	-10080 Dec 22 j 13:59	0°♎	
	-10079 Feb 02 j 11:13	0°♏	
	-10079 Mar 18 j 23:04	0°♐	
	-10079 May 06 j 01:21	0°♑	
	-10079 Jun 30 j 20:24	0°♒	
retrograde	-10079 Aug 31 j 04:36	17°♒08'43	
opposition	-10079 Oct 09 j 08:18	7°♒50'38	-0°24'30
greatest brilliancy	-10079 Oct 09 j 09:22	7°♒49'35	-1.4m
min. Earth dist.	-10079 Oct 11 j 16:55	6°♒54'20	0.65712 AU
asc. node	-10079 Oct 19 j 14:00	3°♒52'28	
	-10079 Nov 01 j 05:01	30°℞♑	
direct	-10079 Nov 19 j 04:31	27°♑53'00	
	-10079 Dec 08 j 06:18	0°♒	
	-10078 Feb 17 j 02:30	0°♓	
	-10078 Apr 07 j 00:36	0°♈	
	-10078 May 20 j 12:05	0°♉	
	-10078 Jun 30 j 00:01	0°♊	
	-10078 Aug 07 j 21:00	0°♋	
desc. node	-10078 Sep 15 j 18:43	0°♌26'29	
	-10078 Sep 15 j 05:09	0°♌	
evening set	-10078 Sep 23 j 09:53	6°♌23'41	
	-10078 Oct 23 j 23:44	0°♍	
conjunction	-10078 Nov 24 j 11:50	23°♍42'52	-0°47'47
minimum elong	-10078 Nov 24 j 08:52	23°♍37'23	0°47'37
	-10078 Dec 03 j 00:27	0°♎	
max. Earth dist.	-10077 Jan 06 j 09:34	24°♎44'09	2.48506 AU
	-10077 Jan 13 j 21:34	0°♏	
morning rise	-10077 Jan 23 j 02:26	6°♏23'41	
	-10077 Feb 26 j 23:08	0°♐	
	-10077 Apr 14 j 08:22	0°♑	
	-10077 Jun 02 j 11:30	0°♒	
	-10077 Jul 27 j 00:51	0°♓	
asc. node	-10077 Sep 06 j 15:11	17°♓27'52	
retrograde	-10077 Oct 09 j 11:59	23°♓11'46	
opposition	-10077 Nov 15 j 18:31	14°♓51'32	2°54'27
greatest brilliancy	-10077 Nov 16 j 07:30	14°♓39'09	-1.7m
min. Earth dist.	-10077 Nov 21 j 17:41	12°♓35'05	0.59418 AU
direct	-10077 Dec 26 j 07:29	5°♓04'58	
	-10076 Mar 08 j 20:39	0°♈	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10076 Apr 25 j 23:00	0°♉		
	-10076 Jun 07 j 01:25	0°♊		
	-10076 Jul 16 j 18:02	0°♋		
desc. node	-10076 Aug 02 j 18:39	13°♋06'23		
	-10076 Aug 24 j 16:23	0°♌		
	-10076 Oct 02 j 23:40	0°♍		
	-10076 Nov 12 j 12:13	0°♎		
evening set	-10076 Nov 22 j 12:09	7°♎13'02		
	-10076 Dec 24 j 18:55	0°♏		
conjunction	-10075 Jan 16 j 14:50	15°♏38'57	-1°13'32	
minimum elong	-10075 Jan 16 j 14:57	15°♏39'10	1°13'54	
	-10075 Feb 07 j 00:12	0°♐		
max. Earth dist.	-10075 Feb 10 j 15:07	2°♐24'09	2.59350 AU	
morning rise	-10075 Mar 09 j 15:31	20°♐06'13		
	-10075 Mar 24 j 23:38	0°♑		
	-10075 May 11 j 09:02	0°♒		
	-10075 Jun 29 j 03:04	0°♓		
asc. node	-10075 Jul 24 j 11:38	15°♓06'31		
	-10075 Aug 19 j 12:18	0°♈		
	-10075 Oct 21 j 10:44	0°♉		
retrograde	-10075 Nov 28 j 09:14	7°♉27'57		
opposition	-10074 Jan 01 j 07:02	0°♉43'59	6°07'49	
greatest brilliancy	-10074 Jan 02 j 23:00	0°♉10'03	-2.2m	
	-10074 Jan 03 j 10:47	30°♈		
min. Earth dist.	-10074 Jan 09 j 11:17	27°♈58'02	0.48159 AU	
direct	-10074 Feb 07 j 18:41	22°♈29'12		
	-10074 Mar 14 j 23:20	0°♉		
	-10074 May 09 j 04:44	0°♊		
desc. node	-10074 Jun 20 j 22:40	29°♊28'53		
	-10074 Jun 21 j 15:59	0°♋		
	-10074 Aug 01 j 16:18	0°♌		
	-10074 Sep 11 j 11:37	0°♍		
	-10074 Oct 23 j 04:49	0°♎		
	-10074 Dec 05 j 09:49	0°♏		
evening set	-10073 Jan 10 j 06:21	24°♏04'04		
	-10073 Jan 19 j 06:07	0°♐		
conjunction	-10073 Mar 01 j 08:20	26°♐43'46	-0°53'24	
minimum elong	-10073 Mar 01 j 09:56	26°♐46'19	0°53'57	
	-10073 Mar 06 j 10:17	0°♑		
max. Earth dist.	-10073 Mar 09 j 05:50	1°♑48'32	2.65466 AU	
morning rise	-10073 Apr 18 j 05:41	27°♑23'23		
	-10073 Apr 22 j 07:53	0°♒		
	-10073 Jun 08 j 08:05	0°♓		
asc. node	-10073 Jun 11 j 04:44	1°♓49'42		
	-10073 Jul 25 j 04:34	0°♈		
	-10073 Sep 10 j 05:52	0°♉		
	-10073 Oct 28 j 21:30	0°♊		
	-10073 Dec 24 j 10:46	0°♋		
retrograde	-10072 Feb 09 j 01:41	11°♋29'05		
opposition	-10072 Mar 10 j 17:54	6°♋21'40	4°22'42	
greatest brilliancy	-10072 Mar 11 j 05:58	6°♋13'32	-2.9m	
min. Earth dist.	-10072 Mar 12 j 16:28	5°♋50'16	0.38490 AU	
direct	-10072 Apr 10 j 20:11	1°♋03'45		
desc. node	-10072 May 08 j 04:23	5°♋41'25		
	-10072 Jun 27 j 23:45	0°♌		
	-10072 Aug 14 j 21:04	0°♍		
	-10072 Sep 29 j 07:11	0°♎		
	-10072 Nov 13 j 18:36	0°♏		
	-10072 Dec 30 j 00:21	0°♐		
	-10071 Feb 14 j 22:13	0°♑		
evening set	-10071 Feb 19 j 15:15	2°♑59'59		
max. Earth dist.	-10071 Apr 01 j 20:00	29°♑17'09	2.66242 AU	
	-10071 Apr 02 j 22:45	0°♒		
conjunction	-10071 Apr 08 j 13:56	3°♒36'44	-0°11'19	
minimum elong	-10071 Apr 08 j 14:24	3°♒37'28	0°11'50	
behind sun begin	-10071 Apr 08 j 01:12	3°♒16'19		
behind sun end	-10071 Apr 09 j 03:35	3°♒58'38		
asc. node	-10071 Apr 27 j 21:08	16°♒02'20		
	-10071 May 19 j 08:46	0°♓		
morning rise	-10071 May 25 j 02:33	3°♓45'22		
	-10071 Jul 03 j 15:58	0°♈		
	-10071 Aug 16 j 17:01	0°♉		
	-10071 Sep 28 j 16:40	0°♊		
	-10071 Nov 10 j 03:14	0°♋		
	-10071 Dec 23 j 01:39	0°♌		
	-10070 Feb 07 j 11:59	0°♍		
desc. node	-10070 Mar 26 j 06:51	22°♍02'58		
retrograde	-10070 Apr 19 j 12:37	25°♍55'16		
min. Earth dist.	-10070 May 17 j 03:43	20°♍54'04	0.44019 AU	
opposition	-10070 May 24 j 22:23	18°♍20'40	-3°51'52	
greatest brilliancy	-10070 May 23 j 18:39	18°♍43'37	-2.5m	
direct	-10070 Jun 25 j 23:25	12°♍06'42		
	-10070 Aug 26 j 00:38	0°♎		
	-10070 Oct 20 j 02:27	0°♏		
	-10070 Dec 09 j 02:04	0°♐		
	-10069 Jan 26 j 18:19	0°♑		
asc. node	-10069 Mar 15 j 17:23	0°♒08'07		
	-10069 Mar 15 j 12:17	0°♒		
evening set	-10069 Mar 30 j 20:26	9°♒48'10		
max. Earth dist.	-10069 Apr 27 j 06:10	27°♒34'56	2.61708 AU	
	-10069 Apr 30 j 22:33	0°♓		
conjunction	-10069 May 18 j 00:26	11°♓19'06	0°36'20	
minimum elong	-10069 May 17 j 23:05	11°♓16'52	0°36'04	
	-10069 Jun 14 j 15:14	0°♈		
morning rise	-10069 Jul 04 j 23:40	14°♈05'24		
	-10069 Jul 27 j 11:46	0°♉		
	-10069 Sep 06 j 17:31	0°♊		
	-10069 Oct 16 j 20:25	0°♋		
	-10069 Nov 25 j 13:29	0°♌		
	-10068 Jan 04 j 20:38	0°♍		
desc. node	-10068 Feb 11 j 05:20	26°♍29'51		
	-10068 Feb 16 j 09:23	0°♎		
	-10068 Apr 05 j 10:03	0°♏		
retrograde	-10068 Jun 05 j 23:14	19°♏34'55		
min. Earth dist.	-10068 Jul 08 j 11:48	12°♏30'23	0.56183 AU	
greatest brilliancy	-10068 Jul 13 j 19:43	10°♏27'01	-1.8m	
opposition	-10068 Jul 15 j 00:29	9°♏59'12	-5°34'02	
direct	-10068 Aug 20 j 00:09	1°♏52'19		
	-10068 Nov 11 j 15:54	0°♐		
	-10067 Jan 04 j 14:22	0°♑		
asc. node	-10067 Jan 30 j 18:04	15°♑34'54		
	-10067 Feb 23 j 06:16	0°♒		
	-10067 Apr 11 j 07:35	0°♓		
evening set	-10067 May 10 j 10:49	19°♓23'58		
	-10067 May 25 j 22:47	0°♈		
max. Earth dist.	-10067 May 27 j 15:37	1°♈10'34	2.52351 AU	
conjunction	-10067 Jun 30 j 14:12	25°♈08'34	1°10'12	
minimum elong	-10067 Jun 30 j 13:05	25°♈06'34	1°10'24	
	-10067 Jul 07 j 07:26	0°♉		
	-10067 Aug 16 j 18:43	0°♊		
morning rise	-10067 Aug 23 j 08:13	4°♊58'12		
	-10067 Sep 24 j 23:40	0°♋		
	-10067 Nov 02 j 16:52	0°♌		
	-10067 Dec 11 j 19:13	0°♍		
desc. node	-10067 Dec 29 j 00:48	12°♍56'44		
	-10066 Jan 21 j 06:28	0°♎		
	-10066 Mar 05 j 09:07	0°♏		
	-10066 Apr 22 j 17:43	0°♐		
retrograde	-10066 Jul 14 j 03:27	29°♐23'12		

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

min. Earth dist.	-10066 Aug 20 j 06:52	20°♐36'27	0.64357 AU
opposition	-10066 Aug 23 j 03:18	19°♐27'43	-4°06'00
greatest brilliancy	-10066 Aug 22 j 18:36	19°♐36'28	-1.4m
direct	-10066 Sep 30 j 23:08	10°♐13'03	
	-10066 Dec 07 j 17:14	0°♑	
asc. node	-10066 Dec 18 j 22:46	5°♑28'59	
	-10065 Feb 01 j 18:08	0°♒	
	-10065 Mar 22 j 17:04	0°♓	
	-10065 May 06 j 21:20	0°♈	
	-10065 Jun 18 j 05:04	0°♉	
evening set	-10065 Jun 28 j 17:37	7°♉43'45	
max. Earth dist.	-10065 Jul 24 j 08:15	26°♉55'52	2.40525 AU
	-10065 Jul 28 j 09:00	0°♊	
conjunction	-10065 Aug 25 j 16:06	21°♊48'35	0°55'23
minimum elong	-10065 Aug 25 j 19:05	21°♊54'22	0°55'56
	-10065 Sep 05 j 04:18	0°♋	
	-10065 Oct 13 j 11:54	0°♌	
morning rise	-10065 Oct 28 j 08:22	11°♌35'07	
desc. node	-10065 Nov 15 j 17:34	25°♌47'57	
	-10065 Nov 21 j 04:59	0°♍	
	-10065 Dec 31 j 04:04	0°♎	
	-10064 Feb 11 j 04:11	0°♏	
	-10064 Mar 27 j 02:11	0°♐	
	-10064 May 15 j 17:27	0°♑	
	-10064 Jul 21 j 08:35	0°♒	
retrograde	-10064 Aug 17 j 06:36	4°♒04'18	
	-10064 Sep 11 j 03:33	30°℞♑	
opposition	-10064 Sep 25 j 21:10	24°♑30'46	-1°33'45
greatest brilliancy	-10064 Sep 25 j 22:51	24°♑29'05	-1.4m
min. Earth dist.	-10064 Sep 26 j 18:57	24°♑08'57	0.66550 AU
direct	-10064 Nov 05 j 09:49	14°♑39'42	
asc. node	-10064 Nov 05 j 04:27	14°♑39'43	
	-10063 Jan 02 j 00:55	0°♒	
	-10063 Feb 27 j 09:02	0°♓	
	-10063 Apr 15 j 12:20	0°♈	
	-10063 May 28 j 10:35	0°♉	
	-10063 Jul 07 j 17:31	0°♊	
	-10063 Aug 15 j 11:55	0°♋	
evening set	-10063 Aug 28 j 08:40	10°♋04'52	
	-10063 Sep 22 j 18:02	0°♌	
desc. node	-10063 Oct 02 j 12:44	7°♌38'39	
conjunction	-10063 Oct 30 j 15:33	29°♌23'57	-0°21'03
minimum elong	-10063 Oct 30 j 13:43	29°♌20'28	0°20'41
	-10063 Oct 31 j 10:22	0°♍	
	-10063 Dec 10 j 08:43	0°♎	
max. Earth dist.	-10063 Dec 15 j 07:02	3°♎36'56	2.43544 AU
morning rise	-10062 Jan 01 j 14:07	16°♎08'12	
	-10062 Jan 21 j 04:18	0°♏	
	-10062 Mar 06 j 07:09	0°♐	
	-10062 Apr 22 j 02:09	0°♑	
	-10062 Jun 11 j 16:03	0°♒	
	-10062 Aug 12 j 14:27	0°♓	
retrograde	-10062 Sep 23 j 08:37	8°♓48'07	
asc. node	-10062 Sep 23 j 06:55	8°♓48'07	
opposition	-10062 Oct 31 j 12:28	0°♓01'34	1°34'16
	-10062 Oct 31 j 14:04	30°℞♒	
greatest brilliancy	-10062 Oct 31 j 17:43	29°♒56'26	-1.5m
min. Earth dist.	-10062 Nov 05 j 02:36	28°♒14'15	0.62604 AU
direct	-10062 Dec 11 j 09:59	20°♒04'25	
	-10061 Jan 23 j 23:35	0°♓	
	-10061 Mar 22 j 05:14	0°♈	
	-10061 May 06 j 14:19	0°♉	
	-10061 Jun 16 j 19:40	0°♊	
	-10061 Jul 26 j 01:32	0°♋	
desc. node	-10061 Aug 20 j 12:59	19°♋47'47	
	-10061 Sep 02 j 16:07	0°♌	
	-10061 Oct 11 j 16:24	0°♍	
evening set	-10061 Nov 01 j 04:59	15°♍26'37	
	-10061 Nov 20 j 22:24	0°♎	
conjunction	-10061 Dec 29 j 03:56	27°♎19'51	-1°10'32
minimum elong	-10061 Dec 29 j 02:37	27°♎17'33	1°10'44
	-10060 Jan 01 j 23:41	0°♏	
max. Earth dist.	-10060 Jan 30 j 11:14	19°♏32'21	2.55584 AU
	-10060 Feb 15 j 01:39	0°♐	
morning rise	-10060 Feb 21 j 18:39	4°♐26'53	
	-10060 Apr 01 j 02:26	0°♑	
	-10060 May 18 j 22:25	0°♒	
	-10060 Jul 08 j 01:06	0°♓	
asc. node	-10060 Aug 10 j 04:45	18°♓26'57	
	-10060 Sep 02 j 03:49	0°♈	
retrograde	-10060 Nov 06 j 11:58	18°♈50'13	
opposition	-10060 Dec 11 j 22:21	11°♈22'59	5°00'28
greatest brilliancy	-10060 Dec 13 j 04:14	10°♈56'02	-2.0m
min. Earth dist.	-10060 Dec 19 j 15:23	8°♈36'28	0.52988 AU
direct	-10059 Jan 20 j 02:12	2°♈17'54	
	-10059 Apr 06 j 03:26	0°♉	
	-10059 May 21 j 22:27	0°♊	
	-10059 Jul 02 j 03:07	0°♋	
desc. node	-10059 Jul 07 j 15:30	4°♋07'26	
	-10059 Aug 10 j 23:36	0°♌	
	-10059 Sep 19 j 23:44	0°♍	
	-10059 Oct 31 j 02:01	0°♎	
	-10059 Dec 12 j 19:37	0°♏	
evening set	-10059 Dec 23 j 11:18	7°♏17'19	
	-10058 Jan 26 j 07:53	0°♐	
conjunction	-10058 Feb 13 j 03:45	11°♐43'16	-1°04'54
minimum elong	-10058 Feb 13 j 05:11	11°♐45'36	1°05'25
max. Earth dist.	-10058 Feb 27 j 13:26	21°♐05'35	2.63674 AU
	-10058 Mar 13 j 08:25	0°♑	
morning rise	-10058 Apr 03 j 07:39	13°♑26'20	
	-10058 Apr 29 j 08:18	0°♒	
	-10058 Jun 15 j 19:56	0°♓	
asc. node	-10058 Jun 27 j 22:48	7°♓36'53	
	-10058 Aug 02 j 20:10	0°♈	
	-10058 Sep 21 j 12:59	0°♉	
	-10058 Nov 17 j 12:00	0°♊	
retrograde	-10057 Jan 09 j 01:57	13°♊37'22	
opposition	-10057 Feb 09 j 14:15	8°♊06'40	6°21'42
greatest brilliancy	-10057 Feb 11 j 01:15	7°♊41'10	-2.6m
min. Earth dist.	-10057 Feb 15 j 18:03	6°♊19'43	0.41107 AU
direct	-10057 Mar 15 j 00:33	1°♊47'49	
desc. node	-10057 May 25 j 19:28	27°♊47'47	
	-10057 May 29 j 12:30	0°♋	
	-10057 Jul 14 j 18:25	0°♌	
	-10057 Aug 27 j 04:25	0°♍	
	-10057 Oct 09 j 12:51	0°♎	
	-10057 Nov 22 j 20:05	0°♏	
	-10056 Jan 07 j 09:02	0°♐	
evening set	-10056 Feb 05 j 01:04	18°♐32'07	
	-10056 Feb 22 j 21:51	0°♑	
max. Earth dist.	-10056 Mar 23 j 07:20	18°♑47'53	2.66568 AU
conjunction	-10056 Mar 24 j 12:57	19°♑35'14	-0°29'08
minimum elong	-10056 Mar 24 j 14:02	19°♑36'58	0°29'41
	-10056 Apr 09 j 19:38	0°♒	
morning rise	-10056 May 10 j 07:19	19°♒35'30	
asc. node	-10056 May 14 j 15:43	22°♒24'06	
	-10056 May 26 j 09:13	0°♓	
	-10056 Jul 11 j 03:26	0°♈	
	-10056 Aug 25 j 00:30	0°♉	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10056 Oct 08 j 08:18	0°♊	
	-10056 Nov 21 j 22:21	0°♋	
	-10055 Jan 08 j 03:42	0°♌	
retrograde	-10055 Mar 26 j 05:59	28°♌50'22	
desc. node	-10055 Apr 11 j 23:56	26°♌57'09	
min. Earth dist.	-10055 Apr 22 j 12:44	24°♌14'49	0.40023 AU
opposition	-10055 Apr 28 j 04:39	22°♌35'41	-1°13'43
greatest brilliancy	-10055 Apr 27 j 21:14	22°♌41'07	-2.8m
direct	-10055 May 28 j 20:52	17°♌09'58	
	-10055 Jul 17 j 06:18	0°♍	
	-10055 Sep 11 j 04:35	0°♎	
	-10055 Oct 30 j 07:26	0°♏	
	-10055 Dec 17 j 07:14	0°♐	
	-10054 Feb 03 j 02:24	0°♑	
evening set	-10054 Mar 15 j 13:28	25°♑35'18	
	-10054 Mar 22 j 11:32	0°♒	
asc. node	-10054 Apr 01 j 10:09	6°♒21'57	
max. Earth dist.	-10054 Apr 17 j 03:02	16°♒29'14	2.64093 AU
conjunction	-10054 May 02 j 08:58	26°♒24'43	0°18'13
minimum elong	-10054 May 02 j 08:16	26°♒23'34	0°17'49
	-10054 May 07 j 20:21	0°♓	
morning rise	-10054 Jun 18 j 09:33	27°♓44'24	
	-10054 Jun 21 j 17:16	0°♈	
	-10054 Aug 03 j 22:33	0°♉	
	-10054 Sep 14 j 16:54	0°♊	
	-10054 Oct 25 j 11:06	0°♋	
	-10054 Dec 04 j 22:40	0°♌	
	-10053 Jan 15 j 08:25	0°♍	
desc. node	-10053 Feb 28 j 00:20	29°♍10'14	
	-10053 Mar 01 j 08:38	0°♎	
	-10053 May 07 j 20:59	0°♏	
retrograde	-10053 May 20 j 21:11	1°♏09'46	
	-10053 Jun 02 j 14:08	30°℞♎	
min. Earth dist.	-10053 Jun 20 j 07:28	24°♎54'59	0.51606 AU
opposition	-10053 Jun 27 j 23:12	22°♎04'58	-5°30'58
greatest brilliancy	-10053 Jun 26 j 12:33	22°♎37'08	-2.0m
direct	-10053 Aug 01 j 11:47	14°♎36'46	
	-10053 Sep 27 j 06:37	0°♏	
	-10053 Nov 23 j 21:16	0°♐	
	-10052 Jan 13 j 22:53	0°♑	
asc. node	-10052 Feb 17 j 09:18	21°♑05'03	
	-10052 Mar 02 j 15:53	0°♒	
	-10052 Apr 18 j 09:28	0°♓	
evening set	-10052 Apr 23 j 15:57	3°♓28'07	
max. Earth dist.	-10052 May 14 j 03:11	17°♓07'41	2.56518 AU
	-10052 Jun 02 j 00:16	0°♈	
conjunction	-10052 Jun 12 j 05:37	7°♈05'11	1°00'26
minimum elong	-10052 Jun 12 j 03:55	7°♈02'14	1°00'25
	-10052 Jul 14 j 12:24	0°♉	
morning rise	-10052 Aug 02 j 01:24	13°♉31'18	
	-10052 Aug 24 j 05:29	0°♊	
	-10052 Oct 02 j 17:03	0°♋	
	-10052 Nov 10 j 17:03	0°♌	
	-10052 Dec 20 j 02:48	0°♍	
desc. node	-10051 Jan 14 j 19:41	19°♍01'58	
	-10051 Jan 30 j 01:03	0°♎	
	-10051 Mar 15 j 05:51	0°♏	
	-10051 May 06 j 23:43	0°♐	
retrograde	-10051 Jun 30 j 00:06	15°♐02'51	
min. Earth dist.	-10051 Aug 04 j 11:50	6°♐51'33	0.61839 AU
opposition	-10051 Aug 08 j 19:40	5°♐08'07	-4°51'05
greatest brilliancy	-10051 Aug 08 j 03:35	5°♐24'09	-1.6m
	-10051 Aug 22 j 21:05	30°℞♏	
direct	-10051 Sep 15 j 15:57	26°♏15'34	
	-10051 Oct 11 j 13:48	0°♐	
	-10051 Dec 19 j 19:43	0°♑	
asc. node	-10050 Jan 04 j 12:23	8°♑35'50	
	-10050 Feb 10 j 06:51	0°♒	
	-10050 Mar 30 j 06:47	0°♓	
	-10050 May 14 j 04:27	0°♈	
evening set	-10050 Jun 08 j 04:27	17°♈31'34	
max. Earth dist.	-10050 Jun 24 j 18:55	29°♈29'19	2.45053 AU
	-10050 Jun 25 j 11:46	0°♉	
conjunction	-10050 Aug 02 j 00:06	27°♉55'04	1°09'46
minimum elong	-10050 Aug 02 j 01:30	27°♉57'43	1°10'13
	-10050 Aug 04 j 17:54	0°♊	
	-10050 Sep 12 j 15:58	0°♋	
morning rise	-10050 Sep 30 j 22:22	14°♋15'19	
	-10050 Oct 21 j 02:03	0°♌	
	-10050 Nov 28 j 21:09	0°♍	
desc. node	-10050 Dec 02 j 14:35	2°♍50'32	
	-10049 Jan 07 j 22:27	0°♎	
	-10049 Feb 19 j 04:07	0°♏	
	-10049 Apr 05 j 19:40	0°♐	
	-10049 May 28 j 09:10	0°♑	
retrograde	-10049 Aug 04 j 16:41	21°♑02'07	
opposition	-10049 Sep 13 j 13:53	11°♑16'50	-2°37'37
min. Earth dist.	-10049 Sep 13 j 00:43	11°♑30'05	0.66428 AU
greatest brilliancy	-10049 Sep 13 j 13:20	11°♑17'24	-1.4m
direct	-10049 Oct 23 j 13:50	1°♑36'45	
asc. node	-10049 Nov 22 j 17:31	6°♑29'57	
	-10048 Jan 16 j 07:09	0°♒	
	-10048 Mar 08 j 07:52	0°♓	
	-10048 Apr 23 j 10:52	0°♈	
	-10048 Jun 05 j 01:34	0°♉	
	-10048 Jul 15 j 06:32	0°♊	
evening set	-10048 Aug 02 j 20:56	14°♊18'15	
	-10048 Aug 23 j 00:33	0°♋	
	-10048 Sep 30 j 06:26	0°♌	
conjunction	-10048 Oct 04 j 05:05	3°♌05'12	0°11'36
minimum elong	-10048 Oct 04 j 06:12	3°♌07'24	0°12'06
behind sun begin	-10048 Oct 03 j 11:36	2°♌31'02	
behind sun end	-10048 Oct 05 j 00:49	3°♌43'46	
desc. node	-10048 Oct 19 j 08:55	14°♌54'37	
max. Earth dist.	-10048 Nov 05 j 20:56	28°♌25'48	2.39195 AU
	-10048 Nov 07 j 22:02	0°♍	
morning rise	-10048 Dec 08 j 09:49	23°♍02'50	
	-10048 Dec 17 j 19:10	0°♎	
	-10047 Jan 28 j 14:23	0°♏	
	-10047 Mar 13 j 20:43	0°♐	
	-10047 Apr 30 j 07:23	0°♑	
	-10047 Jun 22 j 09:43	0°♒	
retrograde	-10047 Sep 08 j 09:53	25°♒11'51	
asc. node	-10047 Oct 09 j 21:15	18°♒54'45	
opposition	-10047 Oct 17 j 06:30	16°♒03'53	0°17'55
greatest brilliancy	-10047 Oct 17 j 07:13	16°♒03'11	-1.5m
min. Earth dist.	-10047 Oct 20 j 10:33	14°♒48'42	0.64866 AU
direct	-10047 Nov 27 j 05:11	6°♒04'30	
	-10046 Feb 09 j 10:19	0°♓	
	-10046 Apr 01 j 05:47	0°♈	
	-10046 May 15 j 06:32	0°♉	
	-10046 Jun 24 j 24:00	0°♊	
	-10046 Aug 02 j 23:35	0°♋	
desc. node	-10046 Sep 06 j 05:52	26°♋45'44	
	-10046 Sep 10 j 09:28	0°♌	
evening set	-10046 Oct 07 j 20:48	21°♌17'56	
	-10046 Oct 19 j 05:23	0°♍	
	-10046 Nov 28 j 07:02	0°♎	
conjunction	-10046 Dec 07 j 15:37	6°♎49'31	-0°58'49

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

minimum elong	-10046 Dec 07 j 12:57	6°♎44'41	0°58'47
	-10045 Jan 09 j 04:37	0°♏	
max. Earth dist.	-10045 Jan 16 j 00:45	4°♏45'37	2.51170 AU
morning rise	-10045 Feb 03 j 09:10	17°♏20'58	
	-10045 Feb 22 j 04:58	0°♐	
	-10045 Apr 09 j 09:26	0°♑	
	-10045 May 27 j 21:41	0°♒	
	-10045 Jul 19 j 06:14	0°♓	
asc. node	-10045 Aug 27 j 21:15	19°♓17'43	
	-10045 Sep 29 j 01:47	0°♈	
retrograde	-10045 Oct 19 j 10:22	2°♈21'37	
	-10045 Nov 07 j 14:39	30°♓℞	
opposition	-10045 Nov 25 j 02:57	24°♓18'21	3°41'06
greatest brilliancy	-10045 Nov 25 j 21:35	24°♓00'52	-1.8m
min. Earth dist.	-10045 Dec 01 j 18:54	21°♓48'19	0.57340 AU
direct	-10044 Jan 04 j 07:45	14°♓42'09	
	-10044 Feb 27 j 17:22	0°♈	
	-10044 Apr 19 j 06:17	0°♉	
	-10044 Jun 01 j 06:31	0°♊	
	-10044 Jul 11 j 08:48	0°♋	
desc. node	-10044 Jul 24 j 07:17	9°♋52'50	
	-10044 Aug 19 j 13:05	0°♌	
	-10044 Sep 28 j 00:45	0°♍	
	-10044 Nov 07 j 16:35	0°♎	
evening set	-10044 Dec 04 j 05:49	18°♎56'54	
	-10044 Dec 20 j 01:53	0°♏	
conjunction	-10043 Jan 26 j 23:57	25°♏46'06	-1°11'59
minimum elong	-10043 Jan 27 j 00:42	25°♏47'21	1°12'26
	-10043 Feb 02 j 08:27	0°♐	
max. Earth dist.	-10043 Feb 17 j 03:25	9°♐45'44	2.61109 AU
morning rise	-10043 Mar 18 j 20:51	29°♐04'32	
	-10043 Mar 20 j 07:20	0°♑	
	-10043 May 06 j 11:56	0°♒	
	-10043 Jun 23 j 16:20	0°♓	
asc. node	-10043 Jul 14 j 17:08	12°♓50'47	
	-10043 Aug 12 j 11:31	0°♈	
	-10043 Oct 06 j 15:03	0°♉	
retrograde	-10043 Dec 12 j 07:59	19°♉47'55	
opposition	-10042 Jan 14 j 09:09	13°♉30'09	6°31'33
greatest brilliancy	-10042 Jan 16 j 03:23	12°♉55'51	-2.4m
min. Earth dist.	-10042 Jan 22 j 07:29	10°♉56'40	0.45477 AU
direct	-10042 Feb 19 j 13:43	5°♉52'51	
	-10042 Apr 28 j 22:44	0°♊	
desc. node	-10042 Jun 11 j 11:31	28°♊03'07	
	-10042 Jun 14 j 07:07	0°♋	
	-10042 Jul 26 j 10:21	0°♌	
	-10042 Sep 05 j 21:27	0°♍	
	-10042 Oct 18 j 00:53	0°♎	
	-10042 Nov 30 j 12:56	0°♏	
	-10041 Jan 14 j 13:33	0°♐	
evening set	-10041 Jan 19 j 21:16	3°♐29'06	
	-10041 Mar 01 j 19:56	0°♑	
conjunction	-10041 Mar 10 j 06:56	5°♑25'49	-0°45'12
minimum elong	-10041 Mar 10 j 08:26	5°♑28'13	0°45'46
max. Earth dist.	-10041 Mar 14 j 20:47	8°♑21'48	2.66087 AU
	-10041 Apr 17 j 16:57	0°♒	
morning rise	-10041 Apr 26 j 16:06	5°♒43'46	
asc. node	-10041 Jun 01 j 10:06	28°♒38'40	
	-10041 Jun 03 j 12:41	0°♓	
	-10041 Jul 19 j 22:12	0°♈	
	-10041 Sep 04 j 00:17	0°♉	
	-10041 Oct 20 j 13:19	0°♊	
	-10041 Dec 08 j 21:03	0°♋	
retrograde	-10040 Feb 26 j 13:28	28°♋55'28	
opposition	-10040 Mar 28 j 16:26	23°♋38'48	2°26'32
min. Earth dist.	-10040 Mar 27 j 13:19	23°♋57'07	0.38214 AU
greatest brilliancy	-10040 Mar 28 j 17:15	23°♋38'16	-2.9m
direct	-10040 Apr 28 j 00:01	18°♋33'16	
desc. node	-10040 Apr 28 j 15:19	18°♋33'26	
	-10040 Jun 12 j 12:52	0°♌	
	-10040 Aug 06 j 11:18	0°♍	
	-10040 Sep 22 j 22:08	0°♎	
	-10040 Nov 08 j 08:13	0°♏	
	-10040 Dec 25 j 01:46	0°♐	
	-10039 Feb 10 j 05:56	0°♑	
evening set	-10039 Feb 28 j 09:35	11°♑31'42	
	-10039 Mar 29 j 08:58	0°♒	
max. Earth dist.	-10039 Apr 07 j 10:02	5°♒47'53	2.65715 AU
conjunction	-10039 Apr 17 j 04:28	12°♒05'05	-0°00'35
minimum elong	-10039 Apr 17 j 04:27	12°♒05'04	0°01'03
behind sun begin	-10039 Apr 16 j 09:00	11°♒33'43	
behind sun end	-10039 Apr 17 j 23:55	12°♒36'25	
asc. node	-10039 Apr 18 j 03:25	12°♒42'04	
	-10039 May 14 j 18:28	0°♓	
morning rise	-10039 Jun 02 j 18:01	12°♓29'56	
	-10039 Jun 28 j 22:00	0°♈	
	-10039 Aug 11 j 15:25	0°♉	
	-10039 Sep 23 j 03:11	0°♊	
	-10039 Nov 03 j 19:55	0°♋	
	-10039 Dec 15 j 13:55	0°♌	
	-10038 Jan 28 j 05:28	0°♍	
desc. node	-10038 Mar 16 j 18:12	27°♍31'14	
	-10038 Mar 22 j 04:38	0°♎	
retrograde	-10038 May 01 j 16:49	9°♎57'44	
min. Earth dist.	-10038 May 30 j 03:47	4°♎33'07	0.46662 AU
greatest brilliancy	-10038 Jun 05 j 20:48	2°♎13'55	-2.3m
opposition	-10038 Jun 07 j 06:39	1°♎44'31	-4°46'01
	-10038 Jun 12 j 10:43	30°♏℞	
direct	-10038 Jul 10 j 04:05	25°♍02'42	
	-10038 Aug 08 j 14:59	0°♎	
	-10038 Oct 12 j 14:28	0°♏	
	-10038 Dec 03 j 09:26	0°♐	
	-10037 Jan 21 j 18:30	0°♑	
asc. node	-10037 Mar 06 j 00:11	26°♑57'21	
	-10037 Mar 10 j 19:44	0°♒	
evening set	-10037 Apr 08 j 18:14	18°♒31'27	
	-10037 Apr 26 j 08:30	0°♓	
max. Earth dist.	-10037 May 03 j 13:43	4°♓45'30	2.60067 AU
conjunction	-10037 May 27 j 06:42	20°♓37'26	0°46'00
minimum elong	-10037 May 27 j 05:07	20°♓34'44	0°45'49
	-10037 Jun 10 j 00:49	0°♈	
morning rise	-10037 Jul 15 j 00:45	24°♈28'09	
	-10037 Jul 22 j 18:31	0°♉	
	-10037 Sep 01 j 19:50	0°♊	
	-10037 Oct 11 j 16:54	0°♋	
	-10037 Nov 20 j 02:52	0°♌	
	-10037 Dec 30 j 00:16	0°♍	
desc. node	-10036 Feb 01 j 16:49	24°♍23'15	
	-10036 Feb 09 j 17:38	0°♎	
	-10036 Mar 27 j 02:43	0°♏	
retrograde	-10036 Jun 15 j 01:46	29°♏33'09	
min. Earth dist.	-10036 Jul 18 j 16:36	22°♏03'16	0.58402 AU
greatest brilliancy	-10036 Jul 23 j 10:50	20°♏11'27	-1.7m
opposition	-10036 Jul 24 j 11:09	19°♏47'35	-5°23'44
direct	-10036 Aug 30 j 03:46	11°♏22'40	
	-10036 Nov 02 j 20:46	0°♐	
	-10036 Dec 29 j 17:38	0°♑	
asc. node	-10035 Jan 21 j 01:36	12°♑59'46	
	-10035 Feb 18 j 05:19	0°♒	
	-10035 Apr 06 j 14:09	0°♓	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

evening set	-10035 May 20 j 12:15	29°♓26'04	
	-10035 May 21 j 07:56	0°♈	
max. Earth dist.	-10035 Jun 05 j 13:21	10°♈36'19	2.49823 AU
	-10035 Jul 02 j 16:19	0°♉	
conjunction	-10035 Jul 11 j 18:32	6°♉38'26	1°12'41
minimum elong	-10035 Jul 11 j 18:08	6°♉37'42	1°12'59
	-10035 Aug 12 j 01:57	0°♊	
morning rise	-10035 Sep 05 j 12:59	18°♊41'15	
	-10035 Sep 20 j 04:21	0°♋	
	-10035 Oct 28 j 18:37	0°♌	
	-10035 Dec 06 j 17:43	0°♍	
desc. node	-10035 Dec 19 j 10:29	9°♍36'14	
	-10034 Jan 15 j 23:58	0°♎	
	-10034 Feb 27 j 15:59	0°♏	
	-10034 Apr 15 j 15:12	0°♐	
	-10034 Jun 14 j 13:07	0°♑	
retrograde	-10034 Jul 22 j 02:27	7°♑41'47	
	-10034 Aug 25 j 14:58	30°℞♐	
min. Earth dist.	-10034 Aug 29 j 01:46	28°♐37'31	0.65344 AU
opposition	-10034 Aug 31 j 02:10	27°♐48'47	-3°35'40
greatest brilliancy	-10034 Aug 30 j 20:59	27°♐54'01	-1.4m
direct	-10034 Oct 09 j 08:48	18°♐23'55	
	-10034 Nov 27 j 13:22	0°♑	
asc. node	-10034 Dec 09 j 06:39	5°♑00'38	
	-10033 Jan 26 j 17:08	0°♒	
	-10033 Mar 17 j 13:42	0°♓	
	-10033 May 02 j 01:49	0°♈	
	-10033 Jun 13 j 12:16	0°♉	
evening set	-10033 Jul 11 j 05:00	20°♉31'52	
	-10033 Jul 23 j 16:50	0°♊	
max. Earth dist.	-10033 Aug 20 j 18:18	21°♊38'19	2.38687 AU
	-10033 Aug 31 j 11:32	0°♋	
conjunction	-10033 Sep 08 j 21:41	6°♋35'38	0°42'01
minimum elong	-10033 Sep 09 j 00:46	6°♋41'41	0°42'34
	-10033 Oct 08 j 17:59	0°♌	
desc. node	-10033 Nov 06 j 04:01	22°♌07'12	
morning rise	-10033 Nov 12 j 21:46	27°♌18'43	
	-10033 Nov 16 j 09:51	0°♍	
	-10033 Dec 26 j 07:09	0°♎	
	-10032 Feb 06 j 03:59	0°♏	
	-10032 Mar 21 j 17:47	0°♐	
	-10032 May 09 j 07:00	0°♑	
	-10032 Jul 06 j 17:06	0°♒	
retrograde	-10032 Aug 25 j 06:03	12°♒00'54	
opposition	-10032 Oct 03 j 15:07	2°♒35'40	-0°54'04
greatest brilliancy	-10032 Oct 03 j 16:48	2°♒33'59	-1.4m
min. Earth dist.	-10032 Oct 05 j 08:34	1°♒54'17	0.66201 AU
	-10032 Oct 10 j 04:34	30°℞♑	
asc. node	-10032 Oct 26 j 11:50	24°♑45'31	
direct	-10032 Nov 13 j 08:31	22°♑40'19	
	-10032 Dec 20 j 20:28	0°♒	
	-10031 Feb 20 j 23:21	0°♓	
	-10031 Apr 10 j 03:13	0°♈	
	-10031 May 23 j 10:00	0°♉	
	-10031 Jul 02 j 20:47	0°♊	
	-10031 Aug 10 j 17:00	0°♋	
evening set	-10031 Sep 12 j 01:26	25°♋20'51	
	-10031 Sep 18 j 00:04	0°♌	
desc. node	-10031 Sep 23 j 00:26	3°♌55'12	
	-10031 Oct 26 j 17:00	0°♍	
conjunction	-10031 Nov 13 j 22:09	13°♍49'55	-0°37'14
minimum elong	-10031 Nov 13 j 19:23	13°♍44'42	0°36'58
	-10031 Dec 05 j 15:26	0°♎	
max. Earth dist.	-10031 Dec 28 j 21:44	16°♎53'02	2.46276 AU
morning rise	-10030 Jan 14 j 02:14	28°♎21'37	
	-10030 Jan 16 j 10:24	0°♏	
	-10030 Mar 01 j 10:50	0°♐	
	-10030 Apr 16 j 22:19	0°♑	
	-10030 Jun 05 j 12:26	0°♒	
	-10030 Aug 01 j 03:43	0°♓	
asc. node	-10030 Sep 13 j 13:50	15°♓19'09	
retrograde	-10030 Oct 02 j 10:33	17°♓21'56	
opposition	-10030 Nov 09 j 03:06	8°♓49'25	2°20'05
greatest brilliancy	-10030 Nov 09 j 12:25	8°♓40'27	-1.6m
min. Earth dist.	-10030 Nov 14 j 12:02	6°♓45'08	0.60948 AU
	-10030 Dec 07 j 07:09	30°℞♒	
direct	-10030 Dec 19 j 21:09	28°♒56'43	
	-10029 Jan 01 j 21:00	0°♓	
	-10029 Mar 14 j 21:16	0°♈	
	-10029 Apr 30 j 16:18	0°♉	
	-10029 Jun 11 j 09:43	0°♊	
	-10029 Jul 20 j 21:38	0°♋	
desc. node	-10029 Aug 10 j 23:43	16°♋18'17	
	-10029 Aug 28 j 16:09	0°♌	
	-10029 Oct 06 j 19:39	0°♍	
evening set	-10029 Nov 14 j 02:56	28°♍30'16	
	-10029 Nov 16 j 04:08	0°♎	
	-10029 Dec 28 j 07:07	0°♏	
conjunction	-10028 Jan 09 j 11:18	8°♏25'00	-1°13'10
minimum elong	-10028 Jan 09 j 10:50	8°♏24'12	1°13'28
max. Earth dist.	-10028 Feb 06 j 15:52	27°♏30'26	2.57756 AU
	-10028 Feb 10 j 09:34	0°♐	
morning rise	-10028 Mar 02 j 14:05	13°♐58'17	
	-10028 Mar 27 j 08:23	0°♑	
	-10028 May 13 j 21:01	0°♒	
	-10028 Jul 02 j 02:43	0°♓	
asc. node	-10028 Jul 31 j 11:06	17°♓04'25	
	-10028 Aug 24 j 00:42	0°♈	
retrograde	-10028 Nov 18 j 12:11	29°♈30'56	
opposition	-10028 Dec 23 j 02:44	22°♈26'39	5°40'58
greatest brilliancy	-10028 Dec 24 j 14:49	21°♈55'03	-2.1m
min. Earth dist.	-10028 Dec 31 j 04:04	19°♈37'49	0.50355 AU
direct	-10027 Jan 30 j 10:05	13°♈46'26	
	-10027 Mar 26 j 02:56	0°♉	
	-10027 May 14 j 14:17	0°♊	
	-10027 Jun 25 j 21:19	0°♋	
desc. node	-10027 Jun 28 j 02:47	1°♋38'06	
	-10027 Aug 05 j 07:13	0°♌	
	-10027 Sep 14 j 16:31	0°♍	
	-10027 Oct 26 j 01:32	0°♎	
	-10027 Dec 08 j 00:05	0°♏	
evening set	-10026 Jan 02 j 19:39	17°♏28'48	
	-10026 Jan 21 j 15:37	0°♐	
conjunction	-10026 Feb 22 j 13:05	20°♐50'45	-0°58'41
minimum elong	-10026 Feb 22 j 14:40	20°♐53'19	0°59'14
max. Earth dist.	-10026 Mar 05 j 08:35	27°♐49'52	2.64774 AU
	-10026 Mar 08 j 17:24	0°♑	
morning rise	-10026 Apr 11 j 22:34	21°♑54'27	
	-10026 Apr 24 j 15:25	0°♒	
	-10026 Jun 10 j 20:15	0°♓	
asc. node	-10026 Jun 18 j 04:48	4°♓40'21	
	-10026 Jul 28 j 03:46	0°♈	
	-10026 Sep 14 j 04:13	0°♉	
	-10026 Nov 04 j 06:23	0°♊	
retrograde	-10025 Jan 26 j 08:09	29°♊14'13	
opposition	-10025 Feb 26 j 03:38	24°♊01'34	5°29'33
greatest brilliancy	-10025 Feb 27 j 03:09	23°♊45'20	-2.8m
min. Earth dist.	-10025 Mar 02 j 06:49	22°♊53'11	0.39362 AU
direct	-10025 Mar 30 j 04:44	18°♊21'07	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10025 May 14 j 05:02	0°♋	
desc. node	-10025 May 16 j 08:42	0°♋59'59	
	-10025 Jul 06 j 02:24	0°♌	
	-10025 Aug 20 j 11:21	0°♍	
	-10025 Oct 03 j 19:18	0°♎	
	-10025 Nov 17 j 15:59	0°♏	
	-10024 Jan 02 j 12:55	0°♐	
evening set	-10024 Feb 14 j 01:40	27°♐19'25	
	-10024 Feb 18 j 06:12	0°♑	
max. Earth dist.	-10024 Mar 28 j 19:55	25°♑16'07	2.66499 AU
conjunction	-10024 Apr 02 j 04:55	28°♑04'04	-0°18'57
minimum elong	-10024 Apr 02 j 05:39	28°♑05'15	0°19'29
	-10024 Apr 05 j 05:21	0°♒	
asc. node	-10024 May 04 j 20:52	19°♒04'03	
morning rise	-10024 May 18 j 18:34	28°♒04'56	
	-10024 May 21 j 17:16	0°♓	
	-10024 Jul 06 j 05:38	0°♈	
	-10024 Aug 19 j 15:22	0°♉	
	-10024 Oct 02 j 04:10	0°♊	
	-10024 Nov 14 j 09:43	0°♋	
	-10024 Dec 28 j 16:42	0°♌	
	-10023 Feb 17 j 03:44	0°♍	
desc. node	-10023 Apr 02 j 12:09	14°♍38'01	
retrograde	-10023 Apr 09 j 10:49	14°♍58'23	
min. Earth dist.	-10023 May 06 j 16:52	10°♍12'27	0.42044 AU
opposition	-10023 May 13 j 19:26	7°♍59'06	-2°53'53
greatest brilliancy	-10023 May 12 j 23:20	8°♍14'54	-2.6m
direct	-10023 Jun 14 j 04:27	2°♍07'56	
	-10023 Sep 02 j 04:24	0°♎	
	-10023 Oct 24 j 00:02	0°♏	
	-10023 Dec 11 j 23:53	0°♐	
	-10022 Jan 29 j 06:08	0°♑	
	-10022 Mar 17 j 20:15	0°♒	
asc. node	-10022 Mar 22 j 16:01	3°♒04'31	
evening set	-10022 Mar 24 j 07:49	4°♒08'05	
max. Earth dist.	-10022 Apr 23 j 01:03	23°♒18'23	2.62884 AU
	-10022 May 03 j 06:35	0°♓	
conjunction	-10022 May 11 j 06:38	5°♓16'25	0°28'49
minimum elong	-10022 May 11 j 05:32	5°♓14'37	0°28'30
	-10022 Jun 17 j 02:03	0°♈	
morning rise	-10022 Jun 27 j 17:38	7°♈18'36	
	-10022 Jul 30 j 03:11	0°♉	
	-10022 Sep 09 j 14:54	0°♊	
	-10022 Oct 20 j 00:26	0°♋	
	-10022 Nov 29 j 00:34	0°♌	
	-10021 Jan 08 j 16:54	0°♍	
desc. node	-10021 Feb 18 j 10:56	28°♍20'27	
	-10021 Feb 20 j 23:25	0°♎	
	-10021 Apr 14 j 05:29	0°♏	
retrograde	-10021 May 30 j 21:32	12°♏21'27	
min. Earth dist.	-10021 Jul 01 j 11:28	5°♏38'36	0.54209 AU
greatest brilliancy	-10021 Jul 07 j 05:31	3°♏27'40	-1.9m
opposition	-10021 Jul 08 j 13:19	2°♏57'23	-5°36'54
	-10021 Jul 16 j 16:18	30°℞♎	
direct	-10021 Aug 12 j 22:13	25°♎06'39	
	-10021 Sep 11 j 11:33	0°♏	
	-10021 Nov 16 j 23:36	0°♐	
	-10020 Jan 08 j 12:58	0°♑	
asc. node	-10020 Feb 07 j 16:15	18°♑11'00	
	-10020 Feb 26 j 18:50	0°♒	
	-10020 Apr 13 j 17:36	0°♓	
evening set	-10020 May 03 j 03:55	12°♓51'33	
max. Earth dist.	-10020 May 21 j 17:00	25°♓24'11	2.54293 AU
	-10020 May 28 j 09:47	0°♈	
conjunction	-10020 Jun 22 j 12:17	17°♈33'23	1°06'45
minimum elong	-10020 Jun 22 j 10:50	17°♈30'48	1°06'51
	-10020 Jul 09 j 21:01	0°♉	
morning rise	-10020 Aug 13 j 19:32	25°♉44'29	
	-10020 Aug 19 j 11:42	0°♊	
	-10020 Sep 27 j 19:59	0°♋	
	-10020 Nov 05 j 15:56	0°♌	
	-10020 Dec 14 j 20:43	0°♍	
desc. node	-10019 Jan 05 j 06:48	16°♍00'56	
	-10019 Jan 24 j 10:58	0°♎	
	-10019 Mar 08 j 20:55	0°♏	
	-10019 Apr 27 j 10:39	0°♐	
retrograde	-10019 Jul 08 j 05:57	23°♐48'35	
min. Earth dist.	-10019 Aug 13 j 16:15	15°♐16'42	0.63338 AU
opposition	-10019 Aug 17 j 04:07	13°♐52'38	-4°26'19
greatest brilliancy	-10019 Aug 16 j 16:21	14°♐04'26	-1.5m
direct	-10019 Sep 24 j 13:34	4°♐47'11	
	-10019 Dec 12 j 10:10	0°♑	
asc. node	-10019 Dec 25 j 20:24	6°♑56'21	
	-10018 Feb 04 j 18:35	0°♒	
	-10018 Mar 25 j 08:17	0°♓	
	-10018 May 09 j 10:56	0°♈	
evening set	-10018 Jun 19 j 15:14	29°♈08'25	
	-10018 Jun 20 j 19:35	0°♉	
max. Earth dist.	-10018 Jul 09 j 16:53	13°♉54'56	2.42451 AU
	-10018 Jul 31 j 01:22	0°♊	
conjunction	-10018 Aug 15 j 03:03	11°♊32'23	1°03'05
minimum elong	-10018 Aug 15 j 05:28	11°♊37'03	1°03'36
	-10018 Sep 07 j 22:23	0°♋	
morning rise	-10018 Oct 16 j 06:37	29°♋59'18	
	-10018 Oct 16 j 06:58	0°♌	
desc. node	-10018 Nov 23 j 00:06	29°♌13'30	
	-10018 Nov 24 j 00:24	0°♍	
	-10017 Jan 02 j 23:22	0°♎	
	-10017 Feb 13 j 23:58	0°♏	
	-10017 Mar 31 j 02:31	0°♐	
	-10017 May 20 j 14:25	0°♑	
retrograde	-10017 Aug 12 j 12:20	28°♑58'15	
opposition	-10017 Sep 21 j 06:12	19°♑19'07	-2°01'09
greatest brilliancy	-10017 Sep 21 j 07:12	19°♑18'06	-1.4m
min. Earth dist.	-10017 Sep 21 j 12:47	19°♑12'30	0.66613 AU
direct	-10017 Oct 31 j 13:29	9°♑32'18	
asc. node	-10017 Nov 13 j 01:56	10°♑28'27	
	-10016 Jan 08 j 08:48	0°♒	
	-10016 Mar 02 j 15:32	0°♓	
	-10016 Apr 18 j 09:13	0°♈	
	-10016 May 31 j 05:12	0°♉	
	-10016 Jul 10 j 12:05	0°♊	
evening set	-10016 Aug 17 j 03:10	29°♊06'15	
	-10016 Aug 18 j 06:39	0°♋	
	-10016 Sep 25 j 12:23	0°♌	
desc. node	-10016 Oct 09 j 18:20	11°♌08'00	
conjunction	-10016 Oct 19 j 07:01	18°♌32'20	-0°07'18
minimum elong	-10016 Oct 19 j 06:22	18°♌31'04	0°06'52
behind sun begin	-10016 Oct 18 j 05:19	17°♌42'31	
behind sun end	-10016 Oct 20 j 07:24	19°♌19'34	
	-10016 Nov 03 j 03:46	0°♍	
max. Earth dist.	-10016 Dec 01 j 09:43	21°♍23'03	2.41418 AU
	-10016 Dec 13 j 00:33	0°♎	
morning rise	-10016 Dec 22 j 11:20	6°♎55'34	
	-10015 Jan 23 j 18:28	0°♏	
	-10015 Mar 08 j 21:09	0°♐	
	-10015 Apr 24 j 20:15	0°♑	
	-10015 Jun 15 j 04:51	0°♒	
	-10015 Aug 23 j 08:38	0°♓	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

retrograde	-10015 Sep 16 j 21:11	3°♓21'44	
asc. node	-10015 Sep 30 j 04:56	2°♓12'52	
	-10015 Oct 09 j 15:40	30°℞♒	
opposition	-10015 Oct 25 j 09:00	24°♒25'11	1°01'33
greatest brilliancy	-10015 Oct 25 j 11:56	24°♒22'19	-1.5m
min. Earth dist.	-10015 Oct 29 j 08:17	22°♒51'40	0.63739 AU
direct	-10015 Dec 05 j 07:52	14°♒26'00	
	-10014 Jan 31 j 04:30	0°♓	
	-10014 Mar 26 j 01:58	0°♈	
	-10014 May 09 j 21:08	0°♉	
	-10014 Jun 19 j 21:51	0°♊	
	-10014 Jul 29 j 01:10	0°♋	
desc. node	-10014 Aug 27 j 17:44	23°♋08'04	
	-10014 Sep 05 j 13:11	0°♌	
	-10014 Oct 14 j 10:38	0°♍	
evening set	-10014 Oct 21 j 21:19	5°♍39'10	
	-10014 Nov 23 j 13:28	0°♎	
conjunction	-10014 Dec 20 j 04:05	19°♎12'25	-1°06'39
minimum elong	-10014 Dec 20 j 02:08	19°♎08'57	1°06'46
	-10013 Jan 04 j 11:35	0°♏	
max. Earth dist.	-10013 Jan 24 j 15:38	13°♏55'53	2.53681 AU
morning rise	-10013 Feb 14 j 03:02	27°♏45'51	
	-10013 Feb 17 j 11:27	0°♐	
	-10013 Apr 04 j 12:21	0°♑	
	-10013 May 22 j 13:30	0°♒	
	-10013 Jul 12 j 10:29	0°♓	
asc. node	-10013 Aug 18 j 03:47	19°♓33'22	
	-10013 Sep 10 j 02:30	0°♈	
retrograde	-10013 Oct 30 j 00:35	11°♈58'16	
opposition	-10013 Dec 05 j 00:45	4°♈14'06	4°26'56
greatest brilliancy	-10013 Dec 06 j 01:39	3°♈51'10	-1.9m
min. Earth dist.	-10013 Dec 12 j 07:19	1°♈33'34	0.55019 AU
	-10013 Dec 16 j 17:58	30°℞♓	
direct	-10012 Jan 13 j 17:03	24°♓52'52	
	-10012 Feb 11 j 22:21	0°♈	
	-10012 Apr 11 j 16:40	0°♉	
	-10012 May 26 j 01:49	0°♊	
	-10012 Jul 05 j 17:57	0°♋	
desc. node	-10012 Jul 14 j 19:57	6°♋51'55	
	-10012 Aug 14 j 06:16	0°♌	
	-10012 Sep 22 j 23:42	0°♍	
	-10012 Nov 02 j 19:59	0°♎	
evening set	-10012 Dec 15 j 10:01	0°♏02'58	
	-10012 Dec 15 j 08:18	0°♏	
	-10011 Jan 28 j 16:44	0°♐	
conjunction	-10011 Feb 05 j 23:27	5°♐28'37	-1°08'28
minimum elong	-10011 Feb 06 j 00:39	5°♐30'36	1°08'58
max. Earth dist.	-10011 Feb 23 j 09:42	16°♐53'39	2.62622 AU
	-10011 Mar 15 j 15:25	0°♑	
morning rise	-10011 Mar 27 j 20:19	7°♑50'07	
	-10011 May 01 j 16:35	0°♒	
	-10011 Jun 18 j 10:41	0°♓	
asc. node	-10011 Jul 04 j 22:14	10°♓14'59	
	-10011 Aug 06 j 02:50	0°♈	
	-10011 Sep 26 j 13:46	0°♉	
	-10011 Dec 03 j 21:41	0°♊	
retrograde	-10011 Dec 27 j 10:40	3°♊10'26	
	-10010 Jan 19 j 09:12	30°℞♉	
opposition	-10010 Jan 28 j 15:28	27°♉19'40	6°36'07
greatest brilliancy	-10010 Jan 30 j 07:59	26°♉48'38	-2.5m
min. Earth dist.	-10010 Feb 04 j 21:41	25°♉07'19	0.42930 AU
direct	-10010 Mar 04 j 08:23	20°♉25'18	
	-10010 Apr 13 j 09:37	0°♊	
desc. node	-10010 Jun 01 j 23:38	27°♊38'19	
	-10010 Jun 05 j 15:10	0°♋	
	-10010 Jul 19 j 14:09	0°♌	
	-10010 Aug 30 j 23:13	0°♍	
	-10010 Oct 12 j 16:32	0°♎	
	-10010 Nov 25 j 13:24	0°♏	
	-10009 Jan 09 j 19:39	0°♐	
evening set	-10009 Jan 29 j 06:10	12°♐38'30	
	-10009 Feb 25 j 04:48	0°♑	
conjunction	-10009 Mar 19 j 02:48	14°♑02'13	-0°36'07
minimum elong	-10009 Mar 19 j 04:05	14°♑04'17	0°36'41
max. Earth dist.	-10009 Mar 20 j 10:31	14°♑52'56	2.66453 AU
	-10009 Apr 13 j 01:53	0°♒	
morning rise	-10009 May 05 j 02:35	14°♒07'00	
asc. node	-10009 May 22 j 15:04	25°♒23'34	
	-10009 May 29 j 18:18	0°♓	
	-10009 Jul 14 j 19:08	0°♈	
	-10009 Aug 29 j 04:13	0°♉	
	-10009 Oct 13 j 08:10	0°♊	
	-10009 Nov 28 j 11:05	0°♋	
	-10008 Jan 19 j 00:54	0°♌	
retrograde	-10008 Mar 14 j 06:47	16°♌21'13	
min. Earth dist.	-10008 Apr 11 j 08:04	11°♌42'55	0.38865 AU
opposition	-10008 Apr 15 j 05:03	10°♌38'15	0°18'43
greatest brilliancy	-10008 Apr 15 j 04:23	10°♌38'42	-2.9m
desc. node	-10008 Apr 19 j 04:17	9°♌32'41	
direct	-10008 May 15 j 11:49	5°♌27'20	
	-10008 Jul 26 j 23:31	0°♍	
	-10008 Sep 15 j 22:01	0°♎	
	-10008 Nov 02 j 15:16	0°♏	
	-10008 Dec 20 j 00:02	0°♐	
	-10007 Feb 05 j 11:52	0°♑	
evening set	-10007 Mar 09 j 03:09	20°♑02'20	
	-10007 Mar 24 j 18:14	0°♒	
asc. node	-10007 Apr 08 j 08:49	9°♒21'51	
max. Earth dist.	-10007 Apr 13 j 01:57	12°♒24'01	2.64916 AU
conjunction	-10007 Apr 25 j 21:12	20°♒41'10	0°10'21
minimum elong	-10007 Apr 25 j 20:49	20°♒40'32	0°09'56
behind sun begin	-10007 Apr 25 j 05:13	20°♒15'14	
behind sun end	-10007 Apr 26 j 12:24	21°♒05'51	
	-10007 May 10 j 03:52	0°♓	
morning rise	-10007 Jun 11 j 15:19	21°♓32'19	
	-10007 Jun 24 j 04:16	0°♈	
	-10007 Aug 06 j 15:29	0°♉	
	-10007 Sep 17 j 17:35	0°♊	
	-10007 Oct 28 j 21:18	0°♋	
	-10007 Dec 08 j 20:10	0°♌	
	-10006 Jan 19 j 23:37	0°♍	
desc. node	-10006 Mar 07 j 05:50	29°♍35'14	
	-10006 Mar 07 j 23:12	0°♎	
retrograde	-10006 May 12 j 22:53	22°♎47'31	
min. Earth dist.	-10006 Jun 11 j 10:13	16°♎56'01	0.49406 AU
greatest brilliancy	-10006 Jun 17 j 22:43	14°♎35'18	-2.2m
opposition	-10006 Jun 19 j 10:13	14°♎03'13	-5°18'24
direct	-10006 Jul 23 j 06:03	6°♎54'53	
	-10006 Oct 03 j 19:59	0°♏	
	-10006 Nov 27 j 09:09	0°♐	
	-10005 Jan 16 j 15:35	0°♑	
asc. node	-10005 Feb 24 j 07:19	23°♑51'49	
	-10005 Mar 06 j 01:46	0°♒	
evening set	-10005 Apr 17 j 19:08	27°♒24'28	
	-10005 Apr 21 j 18:06	0°♓	
max. Earth dist.	-10005 May 10 j 04:04	12°♓11'47	2.58189 AU
conjunction	-10005 Jun 05 j 20:01	0°♈16'23	0°54'44
minimum elong	-10005 Jun 05 j 18:18	0°♈13'27	0°54'39
	-10005 Jun 05 j 10:29	0°♈	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-10005 Jul 18 j 02:00	0°♉	
morning rise	-10005 Jul 25 j 14:57	5°♉26'48	
	-10005 Aug 27 j 23:13	0°♊	
	-10005 Oct 06 j 15:12	0°♋	
	-10005 Nov 14 j 19:13	0°♌	
	-10005 Dec 24 j 08:57	0°♍	
desc. node	-10004 Jan 23 j 01:30	21°♍48'47	
	-10004 Feb 03 j 13:10	0°♎	
	-10004 Mar 19 j 09:10	0°♏	
	-10004 May 14 j 19:51	0°♐	
retrograde	-10004 Jun 23 j 19:19	9°♐00'27	
min. Earth dist.	-10004 Jul 28 j 11:34	1°♐06'28	0.60414 AU
	-10004 Jul 31 j 06:47	30°℞♏	
opposition	-10004 Aug 02 j 10:32	29°♏08'37	-5°06'52
greatest brilliancy	-10004 Aug 01 j 14:53	29°♏28'06	-1.6m
direct	-10004 Sep 08 j 18:38	20°♏27'36	
	-10004 Oct 22 j 09:02	0°♐	
	-10004 Dec 23 j 11:18	0°♑	
asc. node	-10003 Jan 11 j 10:06	10°♑41'01	
	-10003 Feb 13 j 01:07	0°♒	
	-10003 Apr 01 j 19:29	0°♓	
	-10003 May 16 j 16:41	0°♈	
evening set	-10003 May 30 j 22:28	9°♈53'58	
max. Earth dist.	-10003 Jun 15 j 18:59	21°♈08'22	2.47213 AU
	-10003 Jun 28 j 01:42	0°♉	
conjunction	-10003 Jul 23 j 12:40	18°♉46'44	1°12'17
minimum elong	-10003 Jul 23 j 13:13	18°♉47'45	1°12'41
	-10003 Aug 07 j 10:08	0°♊	
	-10003 Sep 15 j 10:31	0°♋	
morning rise	-10003 Sep 19 j 13:33	3°♋12'30	
	-10003 Oct 23 j 22:12	0°♌	
	-10003 Dec 01 j 18:11	0°♍	
desc. node	-10003 Dec 09 j 20:30	6°♍09'25	
	-10002 Jan 10 j 20:19	0°♎	
	-10002 Feb 22 j 04:02	0°♏	
	-10002 Apr 09 j 04:37	0°♐	
	-10002 Jun 02 j 16:11	0°♑	
retrograde	-10002 Jul 29 j 23:37	15°♑50'44	
opposition	-10002 Sep 07 j 22:07	6°♑01'28	-3°02'43
min. Earth dist.	-10002 Sep 06 j 17:30	6°♑30'18	0.66070 AU
greatest brilliancy	-10002 Sep 07 j 19:48	6°♑03'49	-1.4m
	-10002 Sep 24 j 08:23	30°℞♐	
direct	-10002 Oct 17 j 14:33	26°♐27'33	
	-10002 Nov 11 j 22:20	0°♑	
asc. node	-10002 Nov 29 j 14:58	5°♑39'39	
	-10001 Jan 20 j 04:50	0°♒	
	-10001 Mar 12 j 06:42	0°♓	
	-10001 Apr 27 j 04:23	0°♈	
	-10001 Jun 08 j 18:31	0°♉	
	-10001 Jul 19 j 00:11	0°♊	
evening set	-10001 Jul 24 j 07:43	4°♊03'36	
	-10001 Aug 26 j 19:01	0°♋	
conjunction	-10001 Sep 23 j 14:50	21°♋49'26	0°25'35
minimum elong	-10001 Sep 23 j 17:07	21°♋53'55	0°26'07
max. Earth dist.	-10001 Oct 04 j 00:46	29°♋59'29	2.38200 AU
	-10001 Oct 04 j 01:01	0°♌	
desc. node	-10001 Oct 27 j 15:11	18°♌23'55	
	-10001 Nov 11 j 16:01	0°♍	
morning rise	-10001 Nov 28 j 02:35	12°♍31'26	
	-10001 Dec 21 j 12:07	0°♎	
	-10000 Feb 01 j 06:18	0°♏	
	-10000 Mar 16 j 13:43	0°♐	
	-10000 May 03 j 07:51	0°♑	
	-10000 Jun 26 j 22:47	0°♒	
retrograde	-10000 Sep 02 j 08:15	19°♒59'17	
opposition	-10000 Oct 11 j 10:52	10°♒43'12	-0°12'50
greatest brilliancy	-10000 Oct 11 j 11:31	10°♒42'33	-1.4m
min. Earth dist.	-10000 Oct 13 j 23:41	9°♒42'45	0.65585 AU
asc. node	-10000 Oct 16 j 19:14	8°♒36'11	
direct	-10000 Nov 21 j 07:44	0°♒44'49	
	-9999 Feb 13 j 23:07	0°♓	
	-9999 Apr 04 j 13:25	0°♈	
	-9999 May 18 j 07:18	0°♉	
	-9999 Jun 27 j 22:29	0°♊	
	-9999 Aug 05 j 20:59	0°♋	
desc. node	-9999 Sep 13 j 11:22	0°♌11'39	
	-9999 Sep 13 j 05:24	0°♌	
evening set	-9999 Sep 26 j 17:43	10°♌32'03	
	-9999 Oct 21 j 23:15	0°♍	
conjunction	-9999 Nov 27 j 15:11	27°♍34'01	-0°50'42
minimum elong	-9999 Nov 27 j 12:13	27°♍28'33	0°50'34
	-9999 Nov 30 j 22:28	0°♎	
max. Earth dist.	-9998 Jan 08 j 18:46	27°♎56'01	2.49015 AU
	-9998 Jan 11 j 17:26	0°♏	
morning rise	-9998 Jan 25 j 21:49	9°♏50'53	
	-9998 Feb 24 j 16:18	0°♐	
	-9998 Apr 11 j 21:54	0°♑	
	-9998 May 30 j 18:27	0°♒	
	-9998 Jul 23 j 11:08	0°♓	
asc. node	-9998 Sep 03 j 20:06	18°♓45'16	
retrograde	-9998 Oct 11 j 22:52	26°♓13'05	
opposition	-9998 Nov 18 j 02:31	17°♓56'01	3°06'24
greatest brilliancy	-9998 Nov 18 j 16:48	17°♓42'25	-1.7m
min. Earth dist.	-9998 Nov 24 j 04:53	15°♓36'43	0.59067 AU
direct	-9998 Dec 28 j 14:17	8°♓10'42	
	-9997 Mar 06 j 07:49	0°♈	
	-9997 Apr 24 j 09:54	0°♉	
	-9997 Jun 05 j 19:48	0°♊	
	-9997 Jul 15 j 15:33	0°♋	
desc. node	-9997 Aug 01 j 11:49	12°♋56'47	
	-9997 Aug 23 j 14:53	0°♌	
	-9997 Oct 01 j 21:51	0°♍	
	-9997 Nov 11 j 09:15	0°♎	
evening set	-9997 Nov 26 j 08:59	10°♎48'35	
	-9997 Dec 23 j 14:18	0°♏	
conjunction	-9996 Jan 20 j 05:57	18°♏56'30	-1°13'16
minimum elong	-9996 Jan 20 j 06:15	18°♏57'00	1°13'39
	-9996 Feb 05 j 17:49	0°♐	
max. Earth dist.	-9996 Feb 13 j 10:51	5°♐06'51	2.59705 AU
morning rise	-9996 Mar 12 j 01:27	23°♐10'17	
	-9996 Mar 22 j 15:25	0°♑	
	-9996 May 08 j 22:28	0°♒	
	-9996 Jun 26 j 11:57	0°♓	
asc. node	-9996 Jul 21 j 16:43	15°♓07'36	
	-9996 Aug 16 j 08:38	0°♈	
	-9996 Oct 15 j 03:41	0°♉	
retrograde	-9996 Dec 01 j 12:41	11°♉03'51	
opposition	-9995 Jan 04 j 07:12	4°♉24'25	6°13'51
greatest brilliancy	-9995 Jan 05 j 23:43	3°♉50'13	-2.2m
min. Earth dist.	-9995 Jan 12 j 10:21	1°♉40'44	0.47662 AU
	-9995 Jan 17 j 20:15	30°℞♈	
direct	-9995 Feb 10 j 12:20	26°♈16'18	
	-9995 Mar 06 j 16:33	0°♉	
	-9995 May 05 j 23:58	0°♊	
desc. node	-9995 Jun 18 j 15:54	29°♊40'44	
	-9995 Jun 19 j 02:42	0°♋	
	-9995 Jul 30 j 08:36	0°♌	
	-9995 Sep 09 j 06:02	0°♍	
	-9995 Oct 20 j 23:33	0°♎	
	-9995 Dec 03 j 03:54	0°♏	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

evening set	-9994 Jan 12 j 17:05	27°♏11'36		
	-9994 Jan 16 j 23:14	0°♐		
conjunction	-9994 Mar 03 j 15:41	29°♐42'25	-0°51'14	
minimum elong	-9994 Mar 03 j 17:16	29°♐44'57	0°51'48	
	-9994 Mar 04 j 02:37	0°♑		
max. Earth dist.	-9994 Mar 11 j 01:26	4°♑28'00	2.65600 AU	
	-9994 Apr 19 j 23:42	0°♒		
morning rise	-9994 Apr 20 j 10:32	0°♒17'18		
	-9994 Jun 05 j 23:09	0°♓		
asc. node	-9994 Jun 08 j 09:58	1°♓34'05		
	-9994 Jul 22 j 17:30	0°♈		
	-9994 Sep 07 j 13:18	0°♉		
	-9994 Oct 25 j 14:37	0°♊		
	-9994 Dec 18 j 12:08	0°♋		
retrograde	-9993 Feb 13 j 00:03	16°♋06'49		
opposition	-9993 Mar 15 j 18:50	10°♋58'59	3°57'51	
greatest brilliancy	-9993 Mar 16 j 03:54	10°♋52'52	-2.9m	
min. Earth dist.	-9993 Mar 17 j 02:03	10°♋37'58	0.38356 AU	
direct	-9993 Apr 15 j 15:46	5°♋44'57		
desc. node	-9993 May 06 j 20:03	8°♋35'02		
	-9993 Jun 24 j 20:43	0°♌		
	-9993 Aug 12 j 22:34	0°♍		
	-9993 Sep 27 j 17:33	0°♎		
	-9993 Nov 12 j 08:22	0°♏		
	-9993 Dec 28 j 15:25	0°♐		
	-9992 Feb 13 j 13:57	0°♑		
evening set	-9992 Feb 22 j 21:41	5°♑56'02		
	-9992 Mar 31 j 15:13	0°♒		
max. Earth dist.	-9992 Apr 03 j 09:11	1°♒45'38	2.66174 AU	
conjunction	-9992 Apr 10 j 19:03	6°♒30'49	-0°08'26	
minimum elong	-9992 Apr 10 j 19:24	6°♒31'23	0°08'55	
behind sun begin	-9992 Apr 10 j 02:59	6°♒05'02		
behind sun end	-9992 Apr 11 j 11:50	6°♒57'45		
asc. node	-9992 Apr 25 j 02:53	15°♒44'14		
	-9992 May 17 j 02:11	0°♓		
morning rise	-9992 May 27 j 07:14	6°♓41'06		
	-9992 Jul 01 j 10:04	0°♈		
	-9992 Aug 14 j 11:00	0°♉		
	-9992 Sep 26 j 09:11	0°♊		
	-9992 Nov 07 j 16:13	0°♋		
	-9992 Dec 20 j 06:47	0°♌		
	-9991 Feb 03 j 18:05	0°♍		
desc. node	-9991 Mar 23 j 23:00	24°♍23'51		
	-9991 Apr 20 j 14:01	0°♎		
retrograde	-9991 Apr 22 j 12:04	0°♎01'35		
	-9991 Apr 24 j 10:04	30°℞♍		
min. Earth dist.	-9991 May 20 j 06:06	24°♍57'19	0.44494 AU	
greatest brilliancy	-9991 May 26 j 22:47	22°♍44'06	-2.5m	
opposition	-9991 May 28 j 04:36	22°♍19'15	-4°07'49	
direct	-9991 Jun 29 j 08:25	16°♍00'13		
	-9991 Aug 21 j 03:58	0°♎		
	-9991 Oct 17 j 01:26	0°♏		
	-9991 Dec 06 j 11:02	0°♐		
	-9990 Jan 24 j 07:25	0°♑		
asc. node	-9990 Mar 12 j 22:54	29°♑52'01		
	-9990 Mar 13 j 03:56	0°♒		
evening set	-9990 Apr 02 j 03:18	12°♒45'26		
	-9990 Apr 28 j 16:22	0°♓		
max. Earth dist.	-9990 Apr 29 j 03:40	0°♓18'33	2.61432 AU	
conjunction	-9990 May 20 j 08:11	14°♓21'23	0°38'56	
minimum elong	-9990 May 20 j 06:46	14°♓19'01	0°38'43	
	-9990 Jun 12 j 10:57	0°♈		
morning rise	-9990 Jul 07 j 10:00	17°♈17'40		
	-9990 Jul 25 j 08:56	0°♉		
	-9990 Sep 04 j 15:24	0°♊		
	-9990 Oct 14 j 18:08	0°♋		
	-9990 Nov 23 j 09:49	0°♌		
	-9989 Jan 02 j 13:35	0°♍		
desc. node	-9989 Feb 08 j 22:32	26°♍41'27		
	-9989 Feb 13 j 18:29	0°♎		
	-9989 Apr 02 j 16:30	0°♏		
retrograde	-9989 Jun 09 j 09:11	22°♏50'31		
min. Earth dist.	-9989 Jul 12 j 02:20	15°♏40'41	0.56606 AU	
greatest brilliancy	-9989 Jul 17 j 07:17	13°♏39'46	-1.8m	
opposition	-9989 Jul 18 j 11:07	13°♏12'44	-5°32'31	
direct	-9989 Aug 23 j 13:48	5°♏02'05		
	-9989 Nov 09 j 02:39	0°♐		
	-9988 Jan 02 j 20:38	0°♑		
asc. node	-9988 Jan 28 j 23:45	15°♑27'48		
	-9988 Feb 21 j 19:24	0°♒		
	-9988 Apr 09 j 00:48	0°♓		
evening set	-9988 May 12 j 22:17	22°♓34'08		
	-9988 May 23 j 18:56	0°♈		
max. Earth dist.	-9988 May 29 j 22:21	4°♈14'45	2.51884 AU	
conjunction	-9988 Jul 03 j 05:43	28°♈33'09	1°11'03	
minimum elong	-9988 Jul 03 j 04:46	28°♈31'25	1°11'15	
	-9988 Jul 05 j 05:43	0°♉		
	-9988 Aug 14 j 18:18	0°♊		
morning rise	-9988 Aug 26 j 07:58	8°♊46'10		
	-9988 Sep 22 j 23:43	0°♋		
	-9988 Oct 31 j 16:28	0°♌		
	-9988 Dec 09 j 17:18	0°♍		
desc. node	-9988 Dec 26 j 16:56	12°♍47'34		
	-9987 Jan 19 j 01:36	0°♎		
	-9987 Mar 02 j 22:21	0°♏		
	-9987 Apr 19 j 15:36	0°♐		
	-9987 Jun 26 j 20:38	0°♑		
retrograde	-9987 Jul 16 j 07:39	2°♑18'00		
	-9987 Aug 03 j 14:26	30°℞♐		
min. Earth dist.	-9987 Aug 22 j 14:30	23°♐27'28	0.64555 AU	
opposition	-9987 Aug 25 j 06:35	22°♐22'59	-3°57'59	
greatest brilliancy	-9987 Aug 24 j 22:43	22°♐30'55	-1.4m	
direct	-9987 Oct 03 j 03:42	13°♐06'14		
	-9987 Dec 03 j 17:00	0°♑		
asc. node	-9987 Dec 16 j 04:15	5°♑53'05		
	-9986 Jan 29 j 23:25	0°♒		
	-9986 Mar 20 j 07:19	0°♓		
	-9986 May 04 j 16:34	0°♈		
	-9986 Jun 16 j 03:33	0°♉		
evening set	-9986 Jul 01 j 14:19	11°♉21'14		
	-9986 Jul 26 j 09:26	0°♊		
max. Earth dist.	-9986 Jul 28 j 11:19	1°♊35'03	2.40121 AU	
conjunction	-9986 Aug 28 j 20:24	25°♊48'14	0°52'35	
minimum elong	-9986 Aug 28 j 23:29	25°♊54'13	0°53'06	
	-9986 Sep 03 j 05:32	0°♋		
	-9986 Oct 11 j 12:50	0°♌		
morning rise	-9986 Oct 31 j 20:38	15°♌51'02		
desc. node	-9986 Nov 13 j 10:20	25°♌34'16		
	-9986 Nov 19 j 04:39	0°♍		
	-9986 Dec 29 j 01:33	0°♎		
	-9985 Feb 08 j 22:22	0°♏		
	-9985 Mar 25 j 15:02	0°♐		
	-9985 May 13 j 17:59	0°♑		
	-9985 Jul 15 j 09:21	0°♒		
retrograde	-9985 Aug 20 j 10:14	6°♒54'02		
	-9985 Sep 22 j 06:59	30°℞♑		
opposition	-9985 Sep 28 j 23:12	27°♑22'15	-1°22'45	
greatest brilliancy	-9985 Sep 29 j 00:55	27°♑20'32	-1.4m	
min. Earth dist.	-9985 Sep 30 j 01:13	26°♑56'10	0.66501 AU	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

asc. node	-9985 Nov 03 j 09:16	17°♉40'17	
direct	-9985 Nov 08 j 12:14	17°♉30'08	
	-9985 Dec 29 j 13:30	0°♒	
	-9984 Feb 25 j 13:54	0°♓	
	-9984 Apr 13 j 03:31	0°♈	
	-9984 May 26 j 06:57	0°♉	
	-9984 Jul 05 j 16:54	0°♊	
	-9984 Aug 13 j 12:50	0°♋	
evening set	-9984 Aug 31 j 16:18	14°♋13'02	
	-9984 Sep 20 j 19:14	0°♌	
desc. node	-9984 Sep 30 j 06:01	7°♌23'27	
	-9984 Oct 29 j 10:43	0°♍	
conjunction	-9984 Nov 02 j 22:59	3°♍27'11	-0°25'02
minimum elong	-9984 Nov 02 j 20:53	3°♍23'09	0°24'41
	-9984 Dec 08 j 07:17	0°♎	
max. Earth dist.	-9984 Dec 18 j 19:08	7°♎41'21	2.44036 AU
morning rise	-9983 Jan 04 j 14:48	19°♎49'02	
	-9983 Jan 19 j 00:19	0°♏	
	-9983 Mar 03 j 23:57	0°♐	
	-9983 Apr 19 j 14:12	0°♑	
	-9983 Jun 08 j 17:50	0°♒	
	-9983 Aug 07 j 09:17	0°♓	
asc. node	-9983 Sep 20 j 12:02	11°♓33'40	
retrograde	-9983 Sep 25 j 16:30	11°♓43'30	
opposition	-9983 Nov 02 j 17:50	2°♓59'46	1°46'28
greatest brilliancy	-9983 Nov 03 j 00:01	2°♓53'45	-1.6m
min. Earth dist.	-9983 Nov 07 j 11:50	1°♓08'48	0.62303 AU
	-9983 Nov 10 j 11:49	30°℞♒	
direct	-9983 Dec 13 j 14:41	23°♒03'02	
	-9982 Jan 18 j 05:33	0°♓	
	-9982 Mar 19 j 07:46	0°♈	
	-9982 May 04 j 05:00	0°♉	
	-9982 Jun 14 j 15:27	0°♊	
	-9982 Jul 23 j 23:46	0°♋	
desc. node	-9982 Aug 18 j 04:38	19°♋33'34	
	-9982 Aug 31 j 15:14	0°♌	
	-9982 Oct 09 j 15:16	0°♍	
evening set	-9982 Nov 04 j 07:28	19°♍17'37	
	-9982 Nov 18 j 20:08	0°♎	
	-9982 Dec 30 j 19:37	0°♏	
conjunction	-9982 Dec 31 j 23:02	0°♏47'49	-1°11'23
minimum elong	-9982 Dec 31 j 21:56	0°♏45'55	1°11'37
max. Earth dist.	-9981 Feb 01 j 07:48	22°♏17'54	2.56011 AU
	-9981 Feb 12 j 19:29	0°♐	
morning rise	-9981 Feb 24 j 06:45	7°♐36'16	
	-9981 Mar 30 j 17:51	0°♑	
	-9981 May 17 j 10:28	0°♒	
	-9981 Jul 06 j 05:47	0°♓	
asc. node	-9981 Aug 08 j 10:12	18°♓43'34	
	-9981 Aug 30 j 04:27	0°♈	
retrograde	-9981 Nov 10 j 08:00	22°♈06'18	
opposition	-9981 Dec 15 j 13:54	14°♈43'12	5°10'26
greatest brilliancy	-9981 Dec 16 j 21:15	14°♈15'02	-2.0m
min. Earth dist.	-9981 Dec 23 j 08:13	11°♈56'06	0.52496 AU
direct	-9980 Jan 23 j 13:18	5°♈42'06	
	-9980 Apr 02 j 15:30	0°♉	
	-9980 May 19 j 07:54	0°♊	
	-9980 Jun 29 j 19:13	0°♋	
desc. node	-9980 Jul 05 j 06:52	4°♋05'04	
	-9980 Aug 08 j 18:20	0°♌	
	-9980 Sep 17 j 19:12	0°♍	
	-9980 Oct 28 j 21:12	0°♎	
	-9980 Dec 10 j 13:53	0°♏	
evening set	-9980 Dec 26 j 03:03	10°♏37'26	
	-9979 Jan 24 j 01:03	0°♐	
conjunction	-9979 Feb 15 j 14:26	14°♐49'23	-1°03'18
minimum elong	-9979 Feb 15 j 15:54	14°♐51'47	1°03'50
max. Earth dist.	-9979 Mar 01 j 08:12	23°♐44'54	2.63920 AU
	-9979 Mar 11 j 00:30	0°♑	
morning rise	-9979 Apr 05 j 14:07	16°♑23'21	
	-9979 Apr 26 j 23:19	0°♒	
	-9979 Jun 13 j 09:14	0°♓	
asc. node	-9979 Jun 25 j 04:11	7°♓25'33	
	-9979 Jul 31 j 05:22	0°♈	
	-9979 Sep 18 j 10:57	0°♉	
	-9979 Nov 12 j 08:56	0°♊	
retrograde	-9978 Jan 12 j 21:35	17°♊44'39	
opposition	-9978 Feb 13 j 04:30	12°♊18'05	6°12'16
greatest brilliancy	-9978 Feb 14 j 13:59	11°♊54'00	-2.7m
min. Earth dist.	-9978 Feb 19 j 01:40	10°♊36'51	0.40733 AU
direct	-9978 Mar 18 j 10:02	6°♊06'42	
desc. node	-9978 May 23 j 12:40	28°♊50'20	
	-9978 May 25 j 13:30	0°♋	
	-9978 Jul 11 j 21:39	0°♌	
	-9978 Aug 24 j 15:39	0°♍	
	-9978 Oct 07 j 03:07	0°♎	
	-9978 Nov 20 j 11:18	0°♏	
	-9977 Jan 05 j 00:26	0°♐	
evening set	-9977 Feb 07 j 10:21	21°♐34'57	
	-9977 Feb 20 j 13:23	0°♑	
max. Earth dist.	-9977 Mar 25 j 22:40	21°♑20'36	2.66591 AU
conjunction	-9977 Mar 27 j 20:08	22°♑33'14	-0°26'20
minimum elong	-9977 Mar 27 j 21:08	22°♑34'50	0°26'53
	-9977 Apr 08 j 11:34	0°♒	
asc. node	-9977 May 12 j 20:13	22°♒05'07	
morning rise	-9977 May 13 j 12:46	22°♒31'51	
	-9977 May 25 j 01:33	0°♓	
	-9977 Jul 09 j 19:36	0°♈	
	-9977 Aug 23 j 15:16	0°♉	
	-9977 Oct 06 j 19:28	0°♊	
	-9977 Nov 20 j 01:42	0°♋	
	-9976 Jan 05 j 09:22	0°♌	
	-9976 Mar 07 j 03:35	0°♍	
retrograde	-9976 Mar 29 j 13:57	3°♍16'24	
desc. node	-9976 Apr 09 j 16:55	2°♍24'54	
	-9976 Apr 21 j 01:08	30°℞♌	
min. Earth dist.	-9976 Apr 25 j 21:10	28°♌39'07	0.40355 AU
opposition	-9976 May 01 j 19:53	26°♌53'16	-1°39'22
greatest brilliancy	-9976 May 01 j 09:32	27°♌00'58	-2.8m
direct	-9976 Jun 01 j 15:22	21°♌23'00	
	-9976 Jul 10 j 23:45	0°♍	
	-9976 Sep 07 j 23:00	0°♎	
	-9976 Oct 27 j 14:41	0°♏	
	-9976 Dec 14 j 18:57	0°♐	
	-9975 Jan 31 j 16:16	0°♑	
evening set	-9975 Mar 17 j 20:47	28°♑33'24	
	-9975 Mar 20 j 03:08	0°♒	
asc. node	-9975 Mar 29 j 14:31	6°♒03'23	
max. Earth dist.	-9975 Apr 18 j 20:48	19°♒06'36	2.63903 AU
conjunction	-9975 May 04 j 16:05	29°♒24'36	0°21'07
minimum elong	-9975 May 04 j 15:16	29°♒23'16	0°20'45
	-9975 May 05 j 13:41	0°♓	
	-9975 Jun 19 j 12:11	0°♈	
morning rise	-9975 Jun 20 j 17:30	0°♈49'54	
	-9975 Aug 01 j 18:28	0°♉	
	-9975 Sep 12 j 12:52	0°♊	
	-9975 Oct 23 j 06:02	0°♋	
	-9975 Dec 02 j 15:00	0°♌	
	-9974 Jan 12 j 18:59	0°♍	
desc. node	-9974 Feb 25 j 16:24	29°♍42'42	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-9974 Feb 26 j 03:22	0°♎	
	-9974 Apr 26 j 09:02	0°♏	
retrograde	-9974 May 23 j 11:54	4°♏41'21	
	-9974 Jun 18 j 09:52	30°℞♎	
min. Earth dist.	-9974 Jun 23 j 02:37	28°♎21'06	0.52113 AU
greatest brilliancy	-9974 Jun 29 j 05:50	26°♎04'23	-2.0m
opposition	-9974 Jun 30 j 15:57	25°♎32'30	-5°34'12
direct	-9974 Aug 04 j 09:07	17°♎59'32	
	-9974 Sep 22 j 08:59	0°♏	
	-9974 Nov 20 j 20:50	0°♐	
	-9973 Jan 11 j 08:08	0°♑	
asc. node	-9973 Feb 14 j 14:12	20°♑53'09	
	-9973 Mar 01 j 05:36	0°♒	
	-9973 Apr 17 j 02:20	0°♓	
evening set	-9973 Apr 27 j 01:58	6°♓34'16	
max. Earth dist.	-9973 May 17 j 07:26	20°♓06'10	2.56127 AU
	-9973 May 31 j 19:45	0°♈	
conjunction	-9973 Jun 15 j 18:18	10°♈21'31	1°02'13
minimum elong	-9973 Jun 15 j 16:40	10°♈18'39	1°02'15
	-9973 Jul 13 j 10:01	0°♉	
morning rise	-9973 Aug 05 j 19:18	17°♉04'10	
	-9973 Aug 23 j 04:25	0°♊	
	-9973 Oct 01 j 16:24	0°♋	
	-9973 Nov 09 j 15:46	0°♌	
	-9973 Dec 18 j 23:32	0°♍	
desc. node	-9972 Jan 13 j 12:38	18°♍59'08	
	-9972 Jan 28 j 17:44	0°♎	
	-9972 Mar 12 j 13:34	0°♏	
	-9972 May 02 j 21:52	0°♐	
retrograde	-9972 Jul 02 j 05:52	18°♐03'58	
min. Earth dist.	-9972 Aug 06 j 21:44	9°♐48'00	0.62135 AU
greatest brilliancy	-9972 Aug 10 j 09:54	8°♐23'53	-1.5m
opposition	-9972 Aug 11 j 01:01	8°♐08'46	-4°44'57
	-9972 Sep 07 j 03:52	30°℞♏	
direct	-9972 Sep 17 j 23:10	29°♏13'32	
	-9972 Sep 29 j 06:18	0°♐	
	-9972 Dec 16 j 14:06	0°♑	
asc. node	-9971 Jan 01 j 17:47	8°♑42'37	
	-9971 Feb 07 j 15:52	0°♒	
	-9971 Mar 27 j 21:55	0°♓	
	-9971 May 11 j 23:26	0°♈	
evening set	-9971 Jun 10 j 22:40	21°♈01'13	
	-9971 Jun 23 j 09:29	0°♉	
max. Earth dist.	-9971 Jun 28 j 05:43	3°♉31'51	2.44552 AU
	-9971 Aug 02 j 17:24	0°♊	
conjunction	-9971 Aug 05 j 01:31	1°♊46'39	1°08'28
minimum elong	-9971 Aug 05 j 03:09	1°♊49'46	1°08'57
	-9971 Sep 10 j 16:21	0°♋	
morning rise	-9971 Oct 04 j 10:01	18°♋31'45	
	-9971 Oct 19 j 02:21	0°♌	
	-9971 Nov 26 j 20:22	0°♍	
desc. node	-9971 Nov 30 j 06:35	2°♍37'05	
	-9970 Jan 05 j 19:26	0°♎	
	-9970 Feb 16 j 21:15	0°♏	
	-9970 Apr 03 j 05:31	0°♐	
	-9970 May 24 j 20:46	0°♑	
retrograde	-9970 Aug 06 j 19:23	23°♑51'07	
opposition	-9970 Sep 15 j 15:15	14°♑06'58	-2°27'37
min. Earth dist.	-9970 Sep 15 j 06:15	14°♑16'03	0.66485 AU
greatest brilliancy	-9970 Sep 15 j 15:04	14°♑07'09	-1.4m
direct	-9970 Oct 25 j 15:56	4°♑25'20	
asc. node	-9970 Nov 19 j 23:14	7°♑57'20	
	-9969 Jan 12 j 23:02	0°♒	
	-9969 Mar 06 j 18:18	0°♓	
	-9969 Apr 22 j 04:22	0°♈	
	-9969 Jun 03 j 22:58	0°♉	
	-9969 Jul 14 j 06:08	0°♊	
evening set	-9969 Aug 07 j 03:47	18°♊23'38	
	-9969 Aug 22 j 01:05	0°♋	
	-9969 Sep 29 j 06:52	0°♌	
conjunction	-9969 Oct 08 j 17:22	7°♌23'10	0°07'08
minimum elong	-9969 Oct 08 j 18:05	7°♌24'34	0°07'37
behind sun begin	-9969 Oct 07 j 17:34	6°♌36'40	
behind sun end	-9969 Oct 09 j 18:37	8°♌12'27	
desc. node	-9969 Oct 18 j 00:15	14°♌37'41	
	-9969 Nov 06 j 21:30	0°♍	
max. Earth dist.	-9969 Nov 13 j 00:59	4°♍42'22	2.39564 AU
morning rise	-9969 Dec 12 j 19:03	27°♍06'28	
	-9969 Dec 16 j 16:54	0°♎	
	-9968 Jan 27 j 09:38	0°♏	
	-9968 Mar 11 j 12:25	0°♐	
	-9968 Apr 27 j 16:53	0°♑	
	-9968 Jun 19 j 01:29	0°♒	
retrograde	-9968 Sep 10 j 15:07	28°♒02'13	
asc. node	-9968 Oct 07 j 03:02	23°♒29'35	
opposition	-9968 Oct 19 j 09:35	18°♒56'29	0°29'43
greatest brilliancy	-9968 Oct 19 j 10:47	18°♒55'18	-1.5m
min. Earth dist.	-9968 Oct 22 j 17:27	17°♒37'32	0.64688 AU
direct	-9968 Nov 29 j 07:52	8°♒56'47	
	-9967 Feb 05 j 21:21	0°♓	
	-9967 Mar 29 j 16:36	0°♈	
	-9967 May 13 j 01:16	0°♉	
	-9967 Jun 22 j 22:30	0°♊	
	-9967 Jul 31 j 23:48	0°♋	
desc. node	-9967 Sep 03 j 22:35	26°♋30'32	
	-9967 Sep 08 j 09:56	0°♌	
evening set	-9967 Oct 11 j 04:00	25°♌22'28	
	-9967 Oct 17 j 04:59	0°♍	
	-9967 Nov 26 j 04:57	0°♎	
conjunction	-9967 Dec 10 j 17:31	10°♎35'03	-1°01'00
minimum elong	-9967 Dec 10 j 14:58	10°♎30'28	1°01'02
	-9966 Jan 07 j 00:22	0°♏	
max. Earth dist.	-9966 Jan 18 j 07:09	7°♏51'04	2.51655 AU
morning rise	-9966 Feb 06 j 03:08	20°♏43'50	
	-9966 Feb 19 j 22:16	0°♐	
	-9966 Apr 06 j 23:49	0°♑	
	-9966 May 25 j 07:12	0°♒	
	-9966 Jul 16 j 02:28	0°♓	
asc. node	-9966 Aug 25 j 03:01	20°♓05'03	
	-9966 Sep 20 j 00:34	0°♈	
retrograde	-9966 Oct 22 j 00:40	5°♈26'40	
	-9966 Nov 20 j 11:47	30°℞♓	
opposition	-9966 Nov 27 j 13:18	27°♓26'56	3°52'34
greatest brilliancy	-9966 Nov 28 j 09:21	27°♓08'10	-1.8m
min. Earth dist.	-9966 Dec 04 j 07:37	24°♓54'58	0.56931 AU
direct	-9965 Jan 06 j 15:11	17°♓53'01	
	-9965 Feb 23 j 03:07	0°♈	
	-9965 Apr 17 j 12:17	0°♉	
	-9965 May 30 j 22:47	0°♊	
	-9965 Jul 10 j 05:13	0°♋	
desc. node	-9965 Jul 23 j 00:29	9°♋45'13	
	-9965 Aug 18 j 11:08	0°♌	
	-9965 Sep 26 j 22:54	0°♍	
	-9965 Nov 06 j 13:48	0°♎	
evening set	-9965 Dec 08 j 00:33	22°♎25'06	
	-9965 Dec 18 j 21:32	0°♏	
conjunction	-9964 Jan 30 j 13:39	28°♏58'58	-1°11'10
minimum elong	-9964 Jan 30 j 14:33	29°♏00'27	1°11'36
	-9964 Feb 01 j 02:21	0°♐	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

max. Earth dist.	-9964 Feb 19 j 22:52	12°♐26'44	2.61411 AU
	-9964 Mar 17 j 23:32	0°♑	
morning rise	-9964 Mar 21 j 05:48	2°♑05'57	
	-9964 May 04 j 02:21	0°♒	
	-9964 Jun 21 j 03:37	0°♓	
asc. node	-9964 Jul 11 j 21:55	12°♓44'36	
	-9964 Aug 09 j 14:50	0°♈	
	-9964 Oct 02 j 12:29	0°♉	
retrograde	-9964 Dec 15 j 14:56	23°♉31'25	
opposition	-9963 Jan 17 j 13:24	17°♉18'49	6°33'34
greatest brilliancy	-9963 Jan 19 j 07:41	16°♉44'54	-2.4m
min. Earth dist.	-9963 Jan 25 j 10:59	14°♉48'00	0.44979 AU
direct	-9963 Feb 22 j 11:03	9°♉49'43	
	-9963 Apr 24 j 21:05	0°♊	
desc. node	-9963 Jun 09 j 04:12	28°♊25'50	
	-9963 Jun 11 j 11:23	0°♋	
	-9963 Jul 23 j 23:14	0°♌	
	-9963 Sep 03 j 13:45	0°♍	
	-9963 Oct 15 j 18:21	0°♎	
	-9963 Nov 28 j 06:20	0°♏	
	-9962 Jan 12 j 06:20	0°♐	
evening set	-9962 Jan 22 j 07:16	6°♐34'10	
	-9962 Feb 27 j 12:07	0°♑	
conjunction	-9962 Mar 12 j 14:26	8°♑24'20	-0°42'46
minimum elong	-9962 Mar 12 j 15:53	8°♑26'39	0°43'20
max. Earth dist.	-9962 Mar 16 j 16:09	11°♑00'47	2.66172 AU
	-9962 Apr 15 j 08:48	0°♒	
morning rise	-9962 Apr 28 j 21:27	8°♒39'00	
asc. node	-9962 May 29 j 14:48	28°♒21'15	
	-9962 Jun 01 j 04:10	0°♓	
	-9962 Jul 17 j 12:33	0°♈	
	-9962 Sep 01 j 11:27	0°♉	
	-9962 Oct 17 j 16:39	0°♊	
	-9962 Dec 05 j 01:43	0°♋	
	-9961 Feb 06 j 13:52	0°♌	
retrograde	-9961 Mar 02 j 10:53	3°♌29'42	
	-9961 Mar 26 j 16:34	30°℞♋	
min. Earth dist.	-9961 Mar 31 j 22:40	28°♋36'52	0.38251 AU
opposition	-9961 Apr 02 j 14:38	28°♋09'57	1°57'46
greatest brilliancy	-9961 Apr 02 j 14:26	28°♋10'06	-2.9m
desc. node	-9961 Apr 27 j 08:46	23°♋16'46	
direct	-9961 May 02 j 20:04	23°♋05'06	
	-9961 Jun 06 j 07:30	0°♌	
	-9961 Aug 04 j 02:29	0°♍	
	-9961 Sep 21 j 04:33	0°♎	
	-9961 Nov 06 j 19:55	0°♏	
	-9961 Dec 23 j 15:36	0°♐	
	-9960 Feb 08 j 20:53	0°♑	
evening set	-9960 Mar 02 j 16:13	14°♑28'26	
	-9960 Mar 27 j 00:56	0°♒	
max. Earth dist.	-9960 Apr 08 j 23:33	8°♒17'48	2.65579 AU
asc. node	-9960 Apr 15 j 08:12	12°♒23'24	
conjunction	-9960 Apr 19 j 10:48	15°♒02'24	0°02'27
minimum elong	-9960 Apr 19 j 10:43	15°♒02'15	0°02'00
behind sun begin	-9960 Apr 18 j 15:15	14°♒30'52	
behind sun end	-9960 Apr 20 j 06:10	15°♒33'38	
	-9960 May 12 j 11:26	0°♓	
morning rise	-9960 Jun 05 j 00:44	15°♓31'20	
	-9960 Jun 26 j 15:46	0°♈	
	-9960 Aug 09 j 09:21	0°♉	
	-9960 Sep 20 j 20:23	0°♊	
	-9960 Nov 01 j 11:05	0°♋	
	-9960 Dec 13 j 00:35	0°♌	
	-9959 Jan 25 j 04:37	0°♍	
desc. node	-9959 Mar 14 j 11:11	28°♍51'51	
	-9959 Mar 16 j 18:08	0°♎	
retrograde	-9959 May 04 j 12:00	13°♎45'28	
min. Earth dist.	-9959 Jun 02 j 01:49	8°♎16'47	0.47174 AU
greatest brilliancy	-9959 Jun 08 j 19:03	5°♎56'42	-2.3m
opposition	-9959 Jun 10 j 05:39	5°♎26'26	-4°56'14
	-9959 Jun 29 j 04:37	30°℞♍	
direct	-9959 Jul 13 j 08:08	28°♍39'34	
	-9959 Jul 28 j 01:34	0°♎	
	-9959 Oct 09 j 05:46	0°♏	
	-9959 Nov 30 j 16:01	0°♐	
	-9958 Jan 19 j 06:26	0°♑	
asc. node	-9958 Mar 03 j 05:46	26°♑42'54	
	-9958 Mar 08 j 10:46	0°♒	
evening set	-9958 Apr 11 j 01:16	21°♒30'08	
	-9958 Apr 24 j 02:00	0°♓	
max. Earth dist.	-9958 May 05 j 11:37	7°♓30'55	2.59731 AU
conjunction	-9958 May 29 j 15:58	23°♓44'10	0°48'23
minimum elong	-9958 May 29 j 14:20	23°♓41'23	0°48'14
	-9958 Jun 07 j 20:21	0°♈	
morning rise	-9958 Jul 17 j 14:10	27°♈48'53	
	-9958 Jul 20 j 15:28	0°♉	
	-9958 Aug 30 j 17:24	0°♊	
	-9958 Oct 09 j 14:12	0°♋	
	-9958 Nov 17 j 22:56	0°♌	
	-9958 Dec 27 j 17:39	0°♍	
desc. node	-9957 Jan 30 j 07:41	24°♍26'14	
	-9957 Feb 07 j 05:23	0°♎	
	-9957 Mar 24 j 22:51	0°♏	
	-9957 May 28 j 17:08	0°♐	
retrograde	-9957 Jun 18 j 09:41	2°♐42'09	
	-9957 Jul 07 j 21:31	30°℞♏	
min. Earth dist.	-9957 Jul 22 j 05:20	25°♏06'41	0.58812 AU
opposition	-9957 Jul 27 j 19:11	22°♏55'03	-5°20'09
greatest brilliancy	-9957 Jul 26 j 19:53	23°♏18'01	-1.7m
direct	-9957 Sep 02 j 14:10	14°♏26'48	
	-9957 Oct 30 j 15:09	0°♐	
	-9957 Dec 27 j 20:46	0°♑	
asc. node	-9956 Jan 19 j 08:06	12°♑57'46	
	-9956 Feb 16 j 17:14	0°♒	
	-9956 Apr 04 j 06:45	0°♓	
	-9956 May 19 j 03:53	0°♈	
evening set	-9956 May 23 j 00:11	2°♈39'07	
max. Earth dist.	-9956 Jun 08 j 01:58	13°♈52'41	2.49349 AU
	-9956 Jun 30 j 14:45	0°♉	
conjunction	-9956 Jul 14 j 11:43	10°♉08'28	1°12'51
minimum elong	-9956 Jul 14 j 11:32	10°♉08'08	1°13'10
	-9956 Aug 10 j 01:53	0°♊	
morning rise	-9956 Sep 08 j 16:24	22°♊38'22	
	-9956 Sep 18 j 04:44	0°♋	
	-9956 Oct 26 j 18:25	0°♌	
	-9956 Dec 04 j 15:49	0°♍	
desc. node	-9956 Dec 17 j 02:39	9°♍26'35	
	-9955 Jan 13 j 19:05	0°♎	
	-9955 Feb 25 j 06:00	0°♏	
	-9955 Apr 12 j 18:03	0°♐	
	-9955 Jun 09 j 03:36	0°♑	
retrograde	-9955 Jul 24 j 06:22	10°♑35'36	
min. Earth dist.	-9955 Aug 31 j 08:39	1°♑27'49	0.65516 AU
opposition	-9955 Sep 02 j 05:02	0°♑43'04	-3°26'43
greatest brilliancy	-9955 Sep 02 j 00:30	0°♑47'38	-1.4m
	-9955 Sep 03 j 23:49	30°℞♐	
direct	-9955 Oct 11 j 12:55	21°♐16'16	
	-9955 Nov 22 j 07:26	0°♑	
asc. node	-9955 Dec 06 j 12:31	5°♑41'28	
	-9954 Jan 23 j 18:40	0°♒	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-9954 Mar 15 j 02:30	0°♓	
	-9954 Apr 29 j 20:11	0°♈	
	-9954 Jun 11 j 10:10	0°♉	
evening set	-9954 Jul 14 j 04:09	24°♉17'08	
	-9954 Jul 21 j 16:59	0°♊	
max. Earth dist.	-9954 Aug 27 j 13:17	28°♊27'12	2.38477 AU
	-9954 Aug 29 j 12:47	0°♋	
conjunction	-9954 Sep 12 j 04:14	10°♋40'54	0°38'27
minimum elong	-9954 Sep 12 j 07:13	10°♋46'44	0°38'59
	-9954 Oct 06 j 19:16	0°♌	
desc. node	-9954 Nov 03 j 21:31	21°♌53'31	
	-9954 Nov 14 j 10:01	0°♍	
morning rise	-9954 Nov 16 j 09:01	1°♍30'08	
	-9954 Dec 24 j 05:12	0°♎	
	-9953 Feb 03 j 22:51	0°♏	
	-9953 Mar 20 j 07:49	0°♐	
	-9953 May 07 j 11:34	0°♑	
	-9953 Jul 03 j 05:22	0°♒	
retrograde	-9953 Aug 28 j 09:56	14°♒50'45	
opposition	-9953 Oct 06 j 17:12	5°♒27'12	-0°42'39
greatest brilliancy	-9953 Oct 06 j 18:39	5°♒25'44	-1.4m
min. Earth dist.	-9953 Oct 08 j 14:27	4°♒41'59	0.66117 AU
	-9953 Oct 21 j 04:19	30°℞♑	
asc. node	-9953 Oct 24 j 16:53	28°♑54'10	
direct	-9953 Nov 16 j 10:44	25°♑30'54	
	-9953 Dec 15 j 01:30	0°♒	
	-9952 Feb 19 j 00:17	0°♓	
	-9952 Apr 07 j 17:21	0°♈	
	-9952 May 21 j 05:52	0°♉	
	-9952 Jun 30 j 19:42	0°♊	
	-9952 Aug 08 j 17:24	0°♋	
evening set	-9952 Sep 15 j 09:57	29°♋30'55	
	-9952 Sep 16 j 00:49	0°♌	
desc. node	-9952 Sep 20 j 16:52	3°♌39'00	
	-9952 Oct 24 j 17:05	0°♍	
conjunction	-9952 Nov 17 j 04:05	17°♍47'37	-0°40'42
minimum elong	-9952 Nov 17 j 01:12	17°♍42'12	0°40'28
	-9952 Dec 03 j 14:00	0°♎	
max. Earth dist.	-9952 Dec 31 j 11:54	20°♎14'49	2.46789 AU
	-9951 Jan 14 j 06:43	0°♏	
morning rise	-9951 Jan 17 j 00:21	1°♏54'55	
	-9951 Feb 27 j 04:12	0°♐	
	-9951 Apr 14 j 11:36	0°♑	
	-9951 Jun 02 j 17:53	0°♒	
	-9951 Jul 28 j 04:38	0°♓	
asc. node	-9951 Sep 10 j 18:32	17°♓06'33	
retrograde	-9951 Oct 04 j 20:09	20°♓19'50	
opposition	-9951 Nov 11 j 09:39	11°♓50'06	2°32'09
greatest brilliancy	-9951 Nov 11 j 20:04	11°♓40'04	-1.6m
min. Earth dist.	-9951 Nov 16 j 21:31	9°♓43'04	0.60631 AU
direct	-9951 Dec 22 j 02:02	1°♓58'13	
	-9950 Mar 11 j 17:21	0°♈	
	-9950 Apr 28 j 05:49	0°♉	
	-9950 Jun 09 j 05:29	0°♊	
	-9950 Jul 18 j 20:04	0°♋	
desc. node	-9950 Aug 08 j 16:19	16°♋05'46	
	-9950 Aug 26 j 15:23	0°♌	
	-9950 Oct 04 j 18:27	0°♍	
	-9950 Nov 14 j 01:41	0°♎	
evening set	-9950 Nov 17 j 02:14	2°♎12'10	
	-9950 Dec 26 j 02:57	0°♏	
conjunction	-9949 Jan 12 j 04:13	11°♏46'52	-1°13'21
minimum elong	-9949 Jan 12 j 03:58	11°♏46'27	1°13'41
max. Earth dist.	-9949 Feb 08 j 11:27	0°♐13'15	2.58142 AU
	-9949 Feb 08 j 03:30	0°♐	
morning rise	-9949 Mar 06 j 01:07	17°♐04'36	
	-9949 Mar 26 j 00:16	0°♑	
	-9949 May 12 j 10:06	0°♒	
	-9949 Jun 30 j 10:11	0°♓	
asc. node	-9949 Jul 29 j 15:51	17°♓10'24	
	-9949 Aug 21 j 15:12	0°♈	
	-9949 Oct 30 j 12:05	0°♉	
retrograde	-9949 Nov 22 j 12:17	2°♉58'26	
	-9949 Dec 14 j 04:16	30°℞♈	
opposition	-9949 Dec 26 j 23:26	25°♈58'26	5°49'07
greatest brilliancy	-9949 Dec 28 j 12:26	25°♈26'10	-2.1m
min. Earth dist.	-9948 Jan 04 j 01:03	23°♈10'33	0.49864 AU
direct	-9948 Feb 03 j 01:10	17°♈23'57	
	-9948 Mar 21 j 07:58	0°♉	
	-9948 May 11 j 17:47	0°♊	
	-9948 Jun 23 j 11:30	0°♋	
desc. node	-9948 Jun 25 j 20:08	1°♋43'17	
	-9948 Aug 03 j 01:30	0°♌	
	-9948 Sep 12 j 12:12	0°♍	
	-9948 Oct 23 j 21:07	0°♎	
	-9948 Dec 05 j 18:46	0°♏	
evening set	-9947 Jan 05 j 08:05	20°♏40'09	
	-9947 Jan 19 j 09:08	0°♐	
conjunction	-9947 Feb 24 j 21:53	23°♐52'02	-0°56'43
minimum elong	-9947 Feb 24 j 23:28	23°♐54'36	0°57'16
	-9947 Mar 06 j 09:57	0°♑	
max. Earth dist.	-9947 Mar 07 j 03:54	0°♑28'55	2.64949 AU
morning rise	-9947 Apr 14 j 04:19	24°♑49'34	
	-9947 Apr 22 j 07:10	0°♒	
	-9947 Jun 08 j 10:49	0°♓	
asc. node	-9947 Jun 15 j 09:12	4°♓24'39	
	-9947 Jul 25 j 15:23	0°♈	
	-9947 Sep 11 j 08:18	0°♉	
	-9947 Oct 31 j 12:01	0°♊	
	-9946 Jan 04 j 23:42	0°♋	
retrograde	-9946 Jan 30 j 06:36	3°♋43'17	
	-9946 Feb 24 j 16:12	30°℞♊	
opposition	-9946 Mar 02 j 02:10	28°♊32'32	5°10'59
greatest brilliancy	-9946 Mar 02 j 22:34	28°♊18'29	-2.8m
min. Earth dist.	-9946 Mar 05 j 15:51	27°♊33'39	0.39102 AU
direct	-9946 Apr 02 j 21:24	22°♊58'10	
	-9946 May 06 j 22:52	0°♋	
desc. node	-9946 May 14 j 00:31	2°♋52'08	
	-9946 Jul 02 j 16:59	0°♌	
	-9946 Aug 17 j 18:06	0°♍	
	-9946 Oct 01 j 07:57	0°♎	
	-9946 Nov 15 j 06:52	0°♏	
	-9946 Dec 31 j 04:31	0°♐	
	-9945 Feb 15 j 22:09	0°♑	
evening set	-9945 Feb 16 j 08:54	0°♑17'09	
max. Earth dist.	-9945 Mar 31 j 11:06	27°♑47'40	2.66465 AU
	-9945 Apr 03 j 21:50	0°♒	
conjunction	-9945 Apr 05 j 10:48	0°♒59'08	-0°16'04
minimum elong	-9945 Apr 05 j 11:26	1°♒00'09	0°16'36
asc. node	-9945 May 03 j 01:57	18°♒44'56	
	-9945 May 20 j 10:26	0°♓	
morning rise	-9945 May 21 j 23:31	1°♓00'23	
	-9945 Jul 04 j 23:11	0°♈	
	-9945 Aug 18 j 08:16	0°♉	
	-9945 Sep 30 j 18:45	0°♊	
	-9945 Nov 12 j 19:13	0°♋	
	-9945 Dec 26 j 14:30	0°♌	
	-9944 Feb 13 j 04:50	0°♍	
desc. node	-9944 Mar 31 j 03:25	18°♍12'50	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

retrograde	-9944 Apr 12 j 14:51	19°♍17'50	
min. Earth dist.	-9944 May 09 j 22:21	14°♍29'55	0.42473 AU
greatest brilliancy	-9944 May 16 j 08:15	12°♍28'14	-2.6m
opposition	-9944 May 17 j 07:10	12°♍10'02	-3°14'34
direct	-9944 Jun 17 j 18:12	6°♍13'55	
	-9944 Aug 29 j 06:01	0°♎	
	-9944 Oct 21 j 02:47	0°♏	
	-9944 Dec 09 j 10:01	0°♐	
	-9943 Jan 26 j 19:31	0°♑	
	-9943 Mar 15 j 11:46	0°♒	
asc. node	-9943 Mar 19 j 21:25	2°♒48'06	
evening set	-9943 Mar 26 j 14:37	7°♒05'25	
max. Earth dist.	-9943 Apr 24 j 19:39	25°♒57'23	2.62644 AU
	-9943 Apr 30 j 23:58	0°♓	
conjunction	-9943 May 13 j 13:49	8°♓17'19	0°31'34
minimum elong	-9943 May 13 j 12:38	8°♓15'21	0°31'17
	-9943 Jun 14 j 21:13	0°♈	
morning rise	-9943 Jun 30 j 02:32	10°♈27'25	
	-9943 Jul 27 j 23:38	0°♉	
	-9943 Sep 07 j 11:57	0°♊	
	-9943 Oct 17 j 21:05	0°♋	
	-9943 Nov 26 j 19:28	0°♌	
	-9942 Jan 06 j 07:38	0°♍	
desc. node	-9942 Feb 16 j 03:59	28°♍40'04	
	-9942 Feb 18 j 03:52	0°♎	
	-9942 Apr 09 j 13:45	0°♏	
retrograde	-9942 Jun 02 j 10:08	15°♏45'22	
min. Earth dist.	-9942 Jul 04 j 04:48	8°♏56'46	0.54665 AU
greatest brilliancy	-9942 Jul 09 j 19:50	6°♏48'01	-1.9m
opposition	-9942 Jul 11 j 02:54	6°♏18'15	-5°37'14
	-9942 Jul 31 j 04:04	30°℞♎	
direct	-9942 Aug 15 j 14:39	28°♎23'28	
	-9942 Aug 31 j 21:53	0°♏	
	-9942 Nov 13 j 16:03	0°♐	
	-9941 Jan 05 j 20:07	0°♑	
asc. node	-9941 Feb 04 j 21:32	18°♑02'07	
	-9941 Feb 24 j 07:51	0°♒	
	-9941 Apr 12 j 10:19	0°♓	
evening set	-9941 May 06 j 14:20	15°♓59'38	
max. Earth dist.	-9941 May 24 j 23:01	28°♓26'51	2.53857 AU
	-9941 May 27 j 05:18	0°♈	
conjunction	-9941 Jun 26 j 02:10	20°♈54'04	1°08'01
minimum elong	-9941 Jun 26 j 00:50	20°♈51'41	1°08'10
	-9941 Jul 08 j 18:36	0°♉	
morning rise	-9941 Aug 17 j 16:30	29°♉26'01	
	-9941 Aug 18 j 10:35	0°♊	
	-9941 Sep 26 j 19:20	0°♋	
	-9941 Nov 04 j 14:51	0°♌	
	-9941 Dec 13 j 18:04	0°♍	
desc. node	-9940 Jan 03 j 23:11	15°♍54'28	
	-9940 Jan 23 j 05:01	0°♎	
	-9940 Mar 06 j 08:08	0°♏	
	-9940 Apr 24 j 01:43	0°♐	
retrograde	-9940 Jul 10 j 10:56	26°♐46'46	
min. Earth dist.	-9940 Aug 16 j 00:13	18°♐11'04	0.63578 AU
opposition	-9940 Aug 19 j 08:06	16°♐50'48	-4°18'56
greatest brilliancy	-9940 Aug 18 j 21:12	17°♐01'46	-1.5m
direct	-9940 Sep 26 j 18:50	7°♐43'11	
	-9940 Dec 08 j 18:44	0°♑	
asc. node	-9940 Dec 23 j 01:27	7°♑12'11	
	-9939 Feb 02 j 01:06	0°♒	
	-9939 Mar 22 j 22:38	0°♓	
	-9939 May 07 j 05:54	0°♈	
	-9939 Jun 18 j 17:38	0°♉	
evening set	-9939 Jun 22 j 10:17	2°♉41'26	
max. Earth dist.	-9939 Jul 13 j 02:58	17°♉59'10	2.41991 AU
	-9939 Jul 29 j 01:19	0°♊	
conjunction	-9939 Aug 18 j 05:32	15°♊27'45	1°00'56
minimum elong	-9939 Aug 18 j 08:08	15°♊32'47	1°01'27
	-9939 Sep 05 j 23:04	0°♋	
	-9939 Oct 14 j 07:22	0°♌	
morning rise	-9939 Oct 19 j 18:47	4°♌16'44	
desc. node	-9939 Nov 20 j 16:30	29°♌00'27	
	-9939 Nov 21 j 23:33	0°♍	
	-9939 Dec 31 j 20:15	0°♎	
	-9938 Feb 11 j 17:23	0°♏	
	-9938 Mar 28 j 13:53	0°♐	
	-9938 May 17 j 10:31	0°♑	
	-9938 Jul 28 j 03:29	0°♒	
retrograde	-9938 Aug 14 j 16:14	1°♒48'50	
	-9938 Aug 31 j 03:26	30°℞♑	
opposition	-9938 Sep 23 j 08:03	22°♑11'05	-1°50'28
greatest brilliancy	-9938 Sep 23 j 09:13	22°♑09'54	-1.4m
min. Earth dist.	-9938 Sep 23 j 18:16	22°♑00'48	0.66609 AU
direct	-9938 Nov 02 j 15:31	12°♑23'09	
asc. node	-9938 Nov 10 j 06:35	12°♑44'29	
	-9937 Jan 04 j 10:57	0°♒	
	-9937 Feb 28 j 22:19	0°♓	
	-9937 Apr 17 j 01:03	0°♈	
	-9937 May 30 j 01:51	0°♉	
	-9937 Jul 09 j 11:36	0°♊	
	-9937 Aug 17 j 07:33	0°♋	
evening set	-9937 Aug 21 j 09:40	3°♋11'57	
	-9937 Sep 24 j 13:27	0°♌	
desc. node	-9937 Oct 08 j 11:38	10°♌53'20	
conjunction	-9937 Oct 23 j 15:23	22°♌39'48	-0°11'32
minimum elong	-9937 Oct 23 j 14:21	22°♌37'48	0°11'07
behind sun begin	-9937 Oct 22 j 18:11	21°♌58'50	
behind sun end	-9937 Oct 24 j 10:30	23°♌16'45	
	-9937 Nov 02 j 03:53	0°♍	
max. Earth dist.	-9937 Dec 07 j 00:57	26°♍21'47	2.41871 AU
	-9937 Dec 11 j 22:48	0°♎	
morning rise	-9937 Dec 26 j 14:33	10°♎44'03	
	-9936 Jan 22 j 14:08	0°♏	
	-9936 Mar 06 j 13:24	0°♐	
	-9936 Apr 22 j 07:14	0°♑	
	-9936 Jun 12 j 03:16	0°♒	
	-9936 Aug 15 j 16:20	0°♓	
retrograde	-9936 Sep 19 j 04:38	6°♓15'47	
asc. node	-9936 Sep 27 j 10:15	5°♓49'41	
	-9936 Oct 20 j 15:53	30°℞♒	
opposition	-9936 Oct 27 j 13:38	27°♒21'41	1°13'42
greatest brilliancy	-9936 Oct 27 j 17:17	27°♒18'06	-1.5m
min. Earth dist.	-9936 Oct 31 j 16:08	25°♒44'58	0.63478 AU
direct	-9936 Dec 07 j 11:17	17°♒22'43	
	-9935 Jan 26 j 17:31	0°♓	
	-9935 Mar 23 j 07:44	0°♈	
	-9935 May 07 j 13:00	0°♉	
	-9935 Jun 17 j 18:22	0°♊	
	-9935 Jul 26 j 23:59	0°♋	
desc. node	-9935 Aug 25 j 09:40	22°♋53'11	
	-9935 Sep 03 j 12:50	0°♌	
	-9935 Oct 12 j 10:01	0°♍	
evening set	-9935 Oct 25 j 01:35	9°♍35'34	
	-9935 Nov 21 j 11:37	0°♎	
conjunction	-9935 Dec 23 j 01:03	22°♎45'30	-1°08'02
minimum elong	-9935 Dec 22 j 23:17	22°♎42'23	1°08'11
	-9934 Jan 02 j 07:51	0°♏	
max. Earth dist.	-9934 Jan 26 j 15:26	16°♏47'36	2.54131 AU

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-9934 Feb 15 j 05:27	0°♐	
morning rise	-9934 Feb 16 j 16:28	0°♐58'25	
	-9934 Apr 02 j 03:44	0°♑	
	-9934 May 20 j 00:59	0°♒	
	-9934 Jul 09 j 12:46	0°♓	
asc. node	-9934 Aug 15 j 09:29	20°♓00'12	
	-9934 Sep 05 j 08:38	0°♈	
retrograde	-9934 Nov 01 j 17:14	15°♈08'09	
opposition	-9934 Dec 07 j 13:21	7°♈27'42	4°37'39
greatest brilliancy	-9934 Dec 08 j 15:40	7°♈03'31	-1.9m
min. Earth dist.	-9934 Dec 14 j 21:44	4°♈45'56	0.54553 AU
	-9934 Dec 30 j 17:16	30°♓℞	
direct	-9933 Jan 16 j 01:44	28°♓09'41	
	-9933 Feb 02 j 01:45	0°♈	
	-9933 Apr 09 j 14:25	0°♉	
	-9933 May 24 j 14:24	0°♊	
	-9933 Jul 04 j 11:47	0°♋	
desc. node	-9933 Jul 13 j 11:12	6°♋45'47	
	-9933 Aug 13 j 02:13	0°♌	
	-9933 Sep 21 j 20:14	0°♍	
	-9933 Nov 01 j 16:06	0°♎	
	-9933 Dec 14 j 03:28	0°♏	
evening set	-9933 Dec 19 j 03:22	3°♏26'40	
	-9932 Jan 27 j 10:41	0°♐	
conjunction	-9932 Feb 09 j 11:15	8°♐36'31	-1°07'11
minimum elong	-9932 Feb 09 j 12:34	8°♐38'40	1°07'41
max. Earth dist.	-9932 Feb 26 j 01:29	19°♐27'36	2.62905 AU
	-9932 Mar 13 j 08:08	0°♑	
morning rise	-9932 Mar 30 j 03:14	10°♑47'08	
	-9932 Apr 29 j 07:55	0°♒	
	-9932 Jun 15 j 23:48	0°♓	
asc. node	-9932 Jul 02 j 03:50	10°♓05'18	
	-9932 Aug 03 j 10:37	0°♈	
	-9932 Sep 23 j 05:29	0°♉	
	-9932 Nov 24 j 14:42	0°♊	
retrograde	-9932 Dec 31 j 01:06	7°♊04'30	
opposition	-9931 Feb 01 j 00:38	1°♊18'43	6°32'25
greatest brilliancy	-9931 Feb 02 j 16:32	0°♊48'34	-2.5m
	-9931 Feb 05 j 08:50	30°♉℞	
min. Earth dist.	-9931 Feb 08 j 03:28	29°♉10'25	0.42483 AU
direct	-9931 Mar 07 j 12:19	24°♉32'20	
	-9931 Apr 05 j 22:56	0°♊	
desc. node	-9931 May 30 j 16:54	28°♊18'35	
	-9931 Jun 02 j 09:00	0°♋	
	-9931 Jul 16 j 22:51	0°♌	
	-9931 Aug 28 j 13:12	0°♍	
	-9931 Oct 10 j 08:29	0°♎	
	-9931 Nov 23 j 05:50	0°♏	
	-9930 Jan 07 j 11:58	0°♐	
evening set	-9930 Jan 31 j 15:45	15°♐41'44	
	-9930 Feb 22 j 21:02	0°♑	
conjunction	-9930 Mar 21 j 09:47	16°♑59'08	-0°33'28
minimum elong	-9930 Mar 21 j 11:00	17°♑01'04	0°34'01
max. Earth dist.	-9930 Mar 22 j 04:32	17°♑29'05	2.66517 AU
	-9930 Apr 10 j 18:17	0°♒	
morning rise	-9930 May 07 j 07:14	17°♒00'47	
asc. node	-9930 May 19 j 20:08	25°♒05'05	
	-9930 May 27 j 10:49	0°♓	
	-9930 Jul 12 j 11:07	0°♈	
	-9930 Aug 26 j 18:07	0°♉	
	-9930 Oct 10 j 17:08	0°♊	
	-9930 Nov 25 j 08:21	0°♋	
	-9929 Jan 14 j 03:16	0°♌	
retrograde	-9929 Mar 18 j 20:28	20°♌52'52	
min. Earth dist.	-9929 Apr 15 j 17:49	16°♌15'11	0.39079 AU
desc. node	-9929 Apr 17 j 21:44	15°♌38'42	
opposition	-9929 Apr 20 j 00:14	15°♌02'58	-0°09'53
greatest brilliancy	-9929 Apr 19 j 23:30	15°♌03'29	-2.9m
direct	-9929 May 20 j 10:06	9°♌49'05	
	-9929 Jul 23 j 16:31	0°♍	
	-9929 Sep 13 j 23:14	0°♎	
	-9929 Nov 01 j 01:05	0°♏	
	-9929 Dec 18 j 13:06	0°♐	
	-9928 Feb 04 j 02:36	0°♑	
evening set	-9928 Mar 11 j 09:58	22°♑58'48	
	-9928 Mar 22 j 10:25	0°♒	
asc. node	-9928 Apr 05 j 13:48	9°♒03'06	
max. Earth dist.	-9928 Apr 14 j 16:05	14°♒54'27	2.64763 AU
conjunction	-9928 Apr 28 j 03:41	23°♒38'30	0°13'17
minimum elong	-9928 Apr 28 j 03:10	23°♒37'40	0°12'53
behind sun begin	-9928 Apr 27 j 15:27	23°♒18'39	
behind sun end	-9928 Apr 28 j 14:52	23°♒56'42	
	-9928 May 07 j 21:35	0°♓	
morning rise	-9928 Jun 13 j 22:01	24°♓33'45	
	-9928 Jun 21 j 23:18	0°♈	
	-9928 Aug 04 j 11:12	0°♉	
	-9928 Sep 15 j 13:02	0°♊	
	-9928 Oct 26 j 15:17	0°♋	
	-9928 Dec 06 j 10:52	0°♌	
	-9927 Jan 17 j 06:51	0°♍	
desc. node	-9927 Mar 04 j 22:00	0°♎22'49	
	-9927 Mar 04 j 06:33	0°♎	
retrograde	-9927 May 15 j 15:48	26°♎25'43	
min. Earth dist.	-9927 Jun 14 j 07:28	20°♎28'28	0.49924 AU
greatest brilliancy	-9927 Jun 20 j 18:01	18°♎08'36	-2.1m
opposition	-9927 Jun 22 j 05:27	17°♎36'19	-5°24'23
direct	-9927 Jul 26 j 06:11	10°♎22'53	
	-9927 Sep 29 j 19:56	0°♏	
	-9927 Nov 24 j 12:13	0°♐	
	-9926 Jan 14 j 02:09	0°♑	
asc. node	-9926 Feb 21 j 12:32	23°♑38'37	
	-9926 Mar 03 j 16:07	0°♒	
	-9926 Apr 19 j 11:19	0°♓	
evening set	-9926 Apr 20 j 03:56	0°♓27'13	
max. Earth dist.	-9926 May 12 j 05:43	15°♓04'27	2.57839 AU
	-9926 Jun 03 j 06:12	0°♈	
conjunction	-9926 Jun 08 j 07:03	3°♈27'46	0°56'48
minimum elong	-9926 Jun 08 j 05:21	3°♈24'49	0°56'46
	-9926 Jul 15 j 23:41	0°♉	
morning rise	-9926 Jul 28 j 06:16	8°♉52'28	
	-9926 Aug 25 j 22:05	0°♊	
	-9926 Oct 04 j 14:19	0°♋	
	-9926 Nov 12 j 17:26	0°♌	
	-9926 Dec 22 j 04:55	0°♍	
desc. node	-9925 Jan 20 j 18:47	21°♍49'28	
	-9925 Feb 01 j 04:26	0°♎	
	-9925 Mar 17 j 13:27	0°♏	
	-9925 May 10 j 17:15	0°♐	
retrograde	-9925 Jun 27 j 01:34	12°♐04'57	
min. Earth dist.	-9925 Jul 31 j 22:03	4°♐06'13	0.60750 AU
opposition	-9925 Aug 05 j 16:52	2°♐12'01	-5°01'43
greatest brilliancy	-9925 Aug 04 j 22:11	2°♐30'37	-1.6m
	-9925 Aug 11 j 08:25	30°♏℞	
direct	-9925 Sep 12 j 02:50	23°♏28'12	
	-9925 Oct 17 j 07:56	0°♐	
	-9925 Dec 21 j 09:39	0°♑	
asc. node	-9924 Jan 09 j 15:28	10°♑43'03	
	-9924 Feb 11 j 11:08	0°♒	
	-9924 Mar 30 j 10:52	0°♓	
	-9924 May 14 j 11:36	0°♈	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

evening set	-9924 Jun 02 j 14:38	13°♈18'07	
max. Earth dist.	-9924 Jun 18 j 19:34	24°♈50'04	2.46712 AU
	-9924 Jun 25 j 23:12	0°♉	
conjunction	-9924 Jul 26 j 10:51	22°♉30'20	1°11'40
minimum elong	-9924 Jul 26 j 11:40	22°♉31'52	1°12'04
	-9924 Aug 05 j 09:25	0°♊	
	-9924 Sep 13 j 10:40	0°♋	
morning rise	-9924 Sep 22 j 21:48	7°♋21'46	
	-9924 Oct 21 j 22:16	0°♌	
	-9924 Nov 29 j 17:09	0°♍	
desc. node	-9924 Dec 07 j 13:17	5°♍58'24	
	-9923 Jan 08 j 16:54	0°♎	
	-9923 Feb 19 j 20:23	0°♏	
	-9923 Apr 06 j 12:25	0°♐	
	-9923 May 29 j 17:24	0°♑	
retrograde	-9923 Aug 01 j 02:41	18°♑41'25	
opposition	-9923 Sep 09 j 23:47	8°♑52'53	-2°53'06
min. Earth dist.	-9923 Sep 08 j 22:47	9°♑18'07	0.66164 AU
greatest brilliancy	-9923 Sep 09 j 21:57	8°♑54'45	-1.4m
	-9923 Oct 09 j 07:19	30°℞♐	
direct	-9923 Oct 19 j 16:51	29°♐17'28	
	-9923 Oct 30 j 14:27	0°♑	
asc. node	-9923 Nov 26 j 20:42	6°♑43'40	
	-9922 Jan 17 j 01:01	0°♒	
	-9922 Mar 09 j 17:46	0°♓	
	-9922 Apr 24 j 21:46	0°♈	
	-9922 Jun 06 j 15:32	0°♉	
	-9922 Jul 16 j 23:19	0°♊	
evening set	-9922 Jul 27 j 12:19	8°♊03'37	
	-9922 Aug 24 j 19:08	0°♋	
conjunction	-9922 Sep 27 j 02:30	26°♋07'25	0°21'19
minimum elong	-9922 Sep 27 j 04:28	26°♋11'15	0°21'49
	-9922 Oct 02 j 01:06	0°♌	
max. Earth dist.	-9922 Oct 13 j 19:37	9°♌12'42	2.38326 AU
desc. node	-9922 Oct 25 j 06:24	18°♌07'35	
	-9922 Nov 09 j 15:12	0°♍	
morning rise	-9922 Dec 01 j 14:03	16°♍42'28	
	-9922 Dec 19 j 09:35	0°♎	
	-9921 Jan 30 j 01:12	0°♏	
	-9921 Mar 15 j 04:45	0°♐	
	-9921 May 01 j 15:41	0°♑	
	-9921 Jun 24 j 07:12	0°♒	
retrograde	-9921 Sep 05 j 12:55	22°♒48'56	
opposition	-9921 Oct 14 j 12:59	13°♒34'44	-0°01'12
greatest brilliancy	-9921 Oct 14 j 13:08	13°♒34'35	-1.4m
asc. node	-9921 Oct 15 j 00:54	13°♒22'53	
min. Earth dist.	-9921 Oct 17 j 05:06	12°♒30'58	0.65449 AU
direct	-9921 Nov 24 j 09:10	3°♒35'52	
	-9920 Feb 11 j 16:57	0°♓	
	-9920 Apr 02 j 01:34	0°♈	
	-9920 May 16 j 02:20	0°♉	
	-9920 Jun 25 j 20:59	0°♊	
	-9920 Aug 03 j 21:02	0°♋	
desc. node	-9920 Sep 11 j 03:27	29°♋55'45	
	-9920 Sep 11 j 05:38	0°♌	
evening set	-9920 Sep 30 j 02:59	14°♌43'00	
	-9920 Oct 19 j 22:37	0°♍	
	-9920 Nov 28 j 20:10	0°♎	
conjunction	-9920 Nov 30 j 20:14	1°♎28'27	-0°53'30
minimum elong	-9920 Nov 30 j 17:20	1°♎23'07	0°53'25
	-9919 Jan 09 j 12:55	0°♏	
max. Earth dist.	-9919 Jan 11 j 06:24	1°♏12'44	2.49523 AU
morning rise	-9919 Jan 28 j 18:21	13°♏20'32	
	-9919 Feb 22 j 09:12	0°♐	
	-9919 Apr 09 j 11:31	0°♑	
	-9919 May 28 j 02:14	0°♒	
	-9919 Jul 20 j 01:26	0°♓	
asc. node	-9919 Sep 01 j 01:45	19°♓53'29	
retrograde	-9919 Oct 14 j 11:02	29°♓15'04	
opposition	-9919 Nov 20 j 11:02	21°♓01'05	3°18'10
greatest brilliancy	-9919 Nov 21 j 02:34	20°♓46'19	-1.7m
min. Earth dist.	-9919 Nov 26 j 15:40	18°♓39'48	0.58696 AU
direct	-9919 Dec 30 j 20:05	11°♓17'31	
	-9918 Mar 02 j 13:03	0°♈	
	-9918 Apr 21 j 19:21	0°♉	
	-9918 Jun 03 j 13:34	0°♊	
	-9918 Jul 13 j 12:52	0°♋	
desc. node	-9918 Jul 30 j 04:58	12°♋47'18	
	-9918 Aug 21 j 13:29	0°♌	
	-9918 Sep 29 j 20:18	0°♍	
	-9918 Nov 09 j 06:33	0°♎	
evening set	-9918 Nov 29 j 05:56	14°♎23'23	
	-9918 Dec 21 j 09:51	0°♏	
conjunction	-9917 Jan 22 j 21:17	22°♏14'02	-1°12'50
minimum elong	-9917 Jan 22 j 21:46	22°♏14'50	1°13'15
	-9917 Feb 03 j 11:28	0°♐	
max. Earth dist.	-9917 Feb 15 j 06:23	7°♐49'13	2.60038 AU
morning rise	-9917 Mar 15 j 11:25	26°♐14'28	
	-9917 Mar 21 j 07:13	0°♑	
	-9917 May 07 j 12:08	0°♒	
	-9917 Jun 24 j 21:46	0°♓	
asc. node	-9917 Jul 19 j 21:16	15°♓05'31	
	-9917 Aug 14 j 07:54	0°♈	
	-9917 Oct 10 j 21:45	0°♉	
retrograde	-9917 Dec 05 j 15:55	14°♉39'14	
opposition	-9916 Jan 08 j 07:54	8°♉04'47	6°19'05
greatest brilliancy	-9916 Jan 10 j 01:03	7°♉30'24	-2.3m
min. Earth dist.	-9916 Jan 16 j 11:41	5°♉22'29	0.47148 AU
direct	-9916 Feb 14 j 06:51	0°♉04'02	
	-9916 May 02 j 15:15	0°♊	
desc. node	-9916 Jun 16 j 08:41	29°♊54'22	
	-9916 Jun 16 j 11:53	0°♋	
	-9916 Jul 27 j 23:56	0°♌	
	-9916 Sep 06 j 23:49	0°♍	
	-9916 Oct 18 j 17:59	0°♎	
	-9916 Nov 30 j 21:54	0°♏	
	-9915 Jan 14 j 16:23	0°♐	
evening set	-9915 Jan 15 j 04:28	0°♐19'54	
	-9915 Mar 01 j 18:57	0°♑	
conjunction	-9915 Mar 06 j 00:18	2°♑42'58	-0°48'58
minimum elong	-9915 Mar 06 j 01:52	2°♑45'29	0°49'31
max. Earth dist.	-9915 Mar 12 j 20:48	7°♑07'03	2.65726 AU
	-9915 Apr 17 j 15:28	0°♒	
morning rise	-9915 Apr 22 j 16:27	3°♒13'07	
	-9915 Jun 03 j 14:18	0°♓	
asc. node	-9915 Jun 05 j 13:55	1°♓16'14	
	-9915 Jul 20 j 07:00	0°♈	
	-9915 Sep 04 j 22:21	0°♉	
	-9915 Oct 22 j 12:08	0°♊	
	-9915 Dec 13 j 13:14	0°♋	
retrograde	-9914 Feb 16 j 22:17	20°♋37'52	
opposition	-9914 Mar 19 j 17:12	15°♋29'37	3°32'16
greatest brilliancy	-9914 Mar 19 j 23:52	15°♋25'10	-2.9m
min. Earth dist.	-9914 Mar 20 j 11:05	15°♋17'40	0.38251 AU
direct	-9914 Apr 19 j 08:04	10°♋19'08	
desc. node	-9914 May 04 j 12:56	11°♋47'20	
	-9914 Jun 20 j 09:26	0°♌	
	-9914 Aug 09 j 22:21	0°♍	
	-9914 Sep 25 j 03:04	0°♎	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

	-9914 Nov 09 j 21:33	0°♏	
	-9914 Dec 26 j 06:06	0°♐	
	-9913 Feb 11 j 05:26	0°♑	
evening set	-9913 Feb 25 j 05:09	8°♑53'57	
	-9913 Mar 30 j 07:27	0°♒	
max. Earth dist.	-9913 Apr 06 j 00:11	4°♒17'19	2.66073 AU
conjunction	-9913 Apr 14 j 02:10	9°♒28'32	-0°05'27
minimum elong	-9913 Apr 14 j 02:23	9°♒28'53	0°05'55
behind sun begin	-9913 Apr 13 j 07:59	8°♒59'21	
behind sun end	-9913 Apr 14 j 20:47	9°♒58'25	
asc. node	-9913 Apr 23 j 07:11	15°♒24'19	
	-9913 May 15 j 19:13	0°♓	
morning rise	-9913 May 30 j 14:04	9°♓41'17	
	-9913 Jun 30 j 03:39	0°♈	
	-9913 Aug 13 j 04:28	0°♉	
	-9913 Sep 25 j 01:27	0°♊	
	-9913 Nov 06 j 05:39	0°♋	
	-9913 Dec 18 j 13:56	0°♌	
	-9912 Feb 01 j 07:15	0°♍	
desc. node	-9912 Mar 21 j 15:57	26°♍24'46	
	-9912 Mar 31 j 20:31	0°♎	
retrograde	-9912 Apr 25 j 11:24	3°♎59'53	
	-9912 May 19 j 16:48	30°℞♍	
min. Earth dist.	-9912 May 23 j 07:02	28°♍52'04	0.44980 AU
greatest brilliancy	-9912 May 30 j 00:51	26°♍37'01	-2.4m
opposition	-9912 May 31 j 08:10	26°♍10'43	-4°22'01
direct	-9912 Jul 02 j 16:56	19°♍46'30	
	-9912 Aug 15 j 16:34	0°♎	
	-9912 Oct 13 j 23:10	0°♏	
	-9912 Dec 03 j 19:38	0°♐	
	-9911 Jan 21 j 20:14	0°♑	
asc. node	-9911 Mar 10 j 03:58	29°♑35'40	
	-9911 Mar 10 j 19:20	0°♒	
evening set	-9911 Apr 04 j 10:22	15°♒43'24	
	-9911 Apr 26 j 09:56	0°♓	
max. Earth dist.	-9911 Apr 30 j 22:21	2°♓57'59	2.61125 AU
conjunction	-9911 May 22 j 16:58	17°♓25'59	0°41'32
minimum elong	-9911 May 22 j 15:29	17°♓23'30	0°41'19
	-9911 Jun 10 j 06:19	0°♈	
morning rise	-9911 Jul 09 j 22:04	20°♈34'10	
	-9911 Jul 23 j 05:32	0°♉	
	-9911 Sep 02 j 12:30	0°♊	
	-9911 Oct 12 j 14:54	0°♋	
	-9911 Nov 21 j 05:13	0°♌	
	-9911 Dec 31 j 06:00	0°♍	
desc. node	-9910 Feb 06 j 13:39	26°♍49'08	
	-9910 Feb 11 j 04:05	0°♎	
	-9910 Mar 30 j 04:21	0°♏	
retrograde	-9910 Jun 11 j 18:32	26°♏04'37	
min. Earth dist.	-9910 Jul 14 j 16:51	18°♏49'03	0.57048 AU
opposition	-9910 Jul 20 j 21:16	16°♏24'34	-5°30'24
greatest brilliancy	-9910 Jul 19 j 18:20	16°♏50'51	-1.8m
direct	-9910 Aug 26 j 02:15	8°♏10'28	
	-9910 Nov 05 j 09:24	0°♐	
	-9910 Dec 31 j 01:58	0°♑	
asc. node	-9909 Jan 26 j 05:36	15°♑21'56	
	-9909 Feb 19 j 08:01	0°♒	
	-9909 Apr 07 j 17:38	0°♓	
evening set	-9909 May 16 j 09:09	25°♓43'50	
	-9909 May 22 j 14:53	0°♈	
max. Earth dist.	-9909 Jun 02 j 06:18	7°♈21'26	2.51424 AU
	-9909 Jul 04 j 03:58	0°♉	
conjunction	-9909 Jul 06 j 21:21	1°♉58'24	1°11'43
minimum elong	-9909 Jul 06 j 20:34	1°♉56'59	1°11'58
	-9909 Aug 13 j 17:55	0°♊	
morning rise	-9909 Aug 30 j 08:59	12°♊37'05	
	-9909 Sep 21 j 23:41	0°♋	
	-9909 Oct 30 j 15:46	0°♌	
	-9909 Dec 08 j 14:53	0°♍	
desc. node	-9909 Dec 25 j 08:26	12°♍38'14	
	-9908 Jan 17 j 20:06	0°♎	
	-9908 Feb 29 j 11:13	0°♏	
	-9908 Apr 16 j 14:50	0°♐	
	-9908 Jun 18 j 05:27	0°♑	
retrograde	-9908 Jul 18 j 11:34	5°♑13'37	
	-9908 Aug 15 j 07:40	30°℞♐	
min. Earth dist.	-9908 Aug 24 j 21:33	26°♐19'36	0.64772 AU
opposition	-9908 Aug 27 j 09:54	25°♐18'44	-3°49'36
greatest brilliancy	-9908 Aug 27 j 02:46	25°♐25'56	-1.4m
direct	-9908 Oct 05 j 08:33	16°♐00'02	
	-9908 Nov 29 j 09:05	0°♑	
asc. node	-9908 Dec 13 j 09:39	6°♑21'10	
	-9907 Jan 27 j 03:19	0°♒	
	-9907 Mar 17 j 20:47	0°♓	
	-9907 May 02 j 11:07	0°♈	
	-9907 Jun 14 j 01:29	0°♉	
evening set	-9907 Jul 04 j 11:36	15°♉00'49	
	-9907 Jul 24 j 09:34	0°♊	
max. Earth dist.	-9907 Aug 02 j 17:08	7°♊06'36	2.39754 AU
conjunction	-9907 Sep 01 j 01:30	29°♊49'50	0°49'34
minimum elong	-9907 Sep 01 j 04:37	29°♊55'54	0°50'07
	-9907 Sep 01 j 06:43	0°♋	
	-9907 Oct 09 j 13:55	0°♌	
morning rise	-9907 Nov 04 j 09:15	20°♌07'09	
desc. node	-9907 Nov 11 j 03:23	25°♌20'38	
	-9907 Nov 17 j 04:31	0°♍	
	-9907 Dec 26 j 23:09	0°♎	
	-9906 Feb 06 j 16:33	0°♏	
	-9906 Mar 23 j 03:54	0°♐	
	-9906 May 10 j 19:31	0°♑	
	-9906 Jul 09 j 17:21	0°♒	
retrograde	-9906 Aug 22 j 13:54	9°♒44'24	
opposition	-9906 Oct 01 j 01:04	0°♒13'57	-1°11'34
greatest brilliancy	-9906 Oct 01 j 02:43	0°♒12'17	-1.4m
	-9906 Oct 01 j 14:58	30°℞♑	
min. Earth dist.	-9906 Oct 02 j 06:27	29°♑44'28	0.66462 AU
asc. node	-9906 Oct 31 j 14:27	21°♑00'05	
direct	-9906 Nov 10 j 14:14	20°♑20'50	
	-9906 Dec 24 j 14:10	0°♒	
	-9905 Feb 22 j 17:37	0°♓	
	-9905 Apr 11 j 18:18	0°♈	
	-9905 May 25 j 02:56	0°♉	
	-9905 Jul 04 j 15:44	0°♊	
	-9905 Aug 12 j 13:07	0°♋	
evening set	-9905 Sep 05 j 00:28	18°♋23'23	
	-9905 Sep 19 j 19:48	0°♌	
desc. node	-9905 Sep 28 j 22:23	7°♌07'35	
	-9905 Oct 28 j 10:35	0°♍	
conjunction	-9905 Nov 07 j 06:31	7°♍30'58	-0°28'57
minimum elong	-9905 Nov 07 j 04:08	7°♍26'26	0°28'37
	-9905 Dec 07 j 05:34	0°♎	
max. Earth dist.	-9905 Dec 22 j 17:52	11°♎21'32	2.44546 AU
morning rise	-9904 Jan 08 j 15:20	23°♎29'36	
	-9904 Jan 17 j 20:13	0°♏	
	-9904 Mar 01 j 16:42	0°♐	
	-9904 Apr 17 j 02:22	0°♑	
	-9904 Jun 05 j 20:38	0°♒	
	-9904 Aug 02 j 17:38	0°♓	
asc. node	-9904 Sep 17 j 16:58	14°♓01'38	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

retrograde	-9904 Sep 28 j 00:48	14°♓39'42	
opposition	-9904 Nov 04 j 23:13	5°♓58'21	1°58'36
greatest brilliancy	-9904 Nov 05 j 06:20	5°♓51'26	-1.6m
min. Earth dist.	-9904 Nov 09 j 19:55	4°♓04'46	0.62026 AU
	-9904 Nov 21 j 06:44	30°℞♒	
direct	-9904 Dec 15 j 18:15	26°♒02'10	
	-9903 Jan 11 j 00:24	0°♓	
	-9903 Mar 16 j 08:54	0°♈	
	-9903 May 01 j 19:46	0°♉	
	-9903 Jun 12 j 11:33	0°♊	
	-9903 Jul 21 j 22:14	0°♋	
desc. node	-9903 Aug 15 j 21:01	19°♋20'37	
	-9903 Aug 29 j 14:22	0°♌	
	-9903 Oct 07 j 13:54	0°♍	
evening set	-9903 Nov 07 j 09:09	23°♍07'08	
	-9903 Nov 16 j 17:31	0°♎	
	-9903 Dec 28 j 15:13	0°♏	
conjunction	-9902 Jan 03 j 17:56	4°♏15'42	-1°12'04
minimum elong	-9902 Jan 03 j 17:02	4°♏14'09	1°12'20
max. Earth dist.	-9902 Feb 03 j 06:28	25°♏07'25	2.56431 AU
	-9902 Feb 10 j 13:05	0°♐	
morning rise	-9902 Feb 26 j 19:03	10°♐46'21	
	-9902 Mar 28 j 09:09	0°♑	
	-9902 May 14 j 22:32	0°♒	
	-9902 Jul 03 j 10:58	0°♓	
asc. node	-9902 Aug 05 j 15:07	18°♓57'31	
	-9902 Aug 26 j 09:51	0°♈	
retrograde	-9902 Nov 13 j 03:25	25°♈25'58	
opposition	-9902 Dec 18 j 06:29	18°♈06'43	5°19'51
greatest brilliancy	-9902 Dec 19 j 14:59	17°♈37'37	-2.0m
min. Earth dist.	-9902 Dec 26 j 02:04	15°♈19'30	0.52031 AU
direct	-9901 Jan 26 j 01:23	9°♈10'16	
	-9901 Mar 30 j 21:26	0°♉	
	-9901 May 17 j 16:25	0°♊	
	-9901 Jun 28 j 11:34	0°♋	
desc. node	-9901 Jul 04 j 00:25	4°♋06'08	
	-9901 Aug 07 j 13:44	0°♌	
	-9901 Sep 16 j 15:28	0°♍	
	-9901 Oct 27 j 17:05	0°♎	
	-9901 Dec 09 j 08:40	0°♏	
evening set	-9901 Dec 29 j 17:12	13°♏53'39	
	-9900 Jan 22 j 18:34	0°♐	
conjunction	-9900 Feb 19 j 00:31	17°♐53'48	-1°01'36
minimum elong	-9900 Feb 19 j 02:04	17°♐56'19	1°02'09
max. Earth dist.	-9900 Mar 03 j 00:42	26°♐20'07	2.64136 AU
	-9900 Mar 08 j 16:52	0°♑	
morning rise	-9900 Apr 07 j 20:25	19°♑19'44	
	-9900 Apr 24 j 14:39	0°♒	
	-9900 Jun 10 j 22:55	0°♓	
asc. node	-9900 Jun 22 j 08:50	7°♓12'21	
	-9900 Jul 28 j 15:08	0°♈	
	-9900 Sep 15 j 10:23	0°♉	
	-9900 Nov 07 j 17:34	0°♊	
retrograde	-9899 Jan 16 j 18:10	22°♊01'32	
opposition	-9899 Feb 16 j 22:31	16°♊38'33	6°00'36
greatest brilliancy	-9899 Feb 18 j 05:34	16°♊16'20	-2.7m
min. Earth dist.	-9899 Feb 22 j 09:24	15°♊05'14	0.40370 AU
direct	-9899 Mar 21 j 21:57	10°♊34'37	
desc. node	-9899 May 21 j 05:13	0°♋03'19	
	-9899 May 21 j 02:47	0°♋	
	-9899 Jul 08 j 22:09	0°♌	
	-9899 Aug 22 j 02:14	0°♍	
	-9899 Oct 04 j 17:39	0°♎	
	-9899 Nov 18 j 03:11	0°♏	
	-9898 Jan 02 j 16:33	0°♐	