Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

conjunction	-3900 Jun 12 j 03:39	18°♉47'38	0°50'50	
minimum elong	-3900 Jun 12 j 02:22	18°♉45'35	0°50'56	
	-3900 Jun 29 j 16:13	0°♊		
morning rise	-3900 Jul 27 j 11:02	17°♊53'45		
	-3900 Aug 15 j 01:45	0°♋		
	-3900 Sep 29 j 11:29	0°♌		
	-3900 Nov 12 j 21:47	0°♍		
	-3900 Dec 26 j 15:18	0°♎		
	-3899 Feb 08 j 07:55	0°♏		
desc. node	-3899 Mar 08 j 16:19	18°♏59'01		
	-3899 Mar 25 j 20:48	0°♐		
	-3899 May 24 j 04:57	0°♑		
retrograde	-3899 Jun 18 j 06:39	4°♑10'08		
	-3899 Jul 13 j 13:04	30°℞♐		
min. Earth dist.	-3899 Jul 15 j 01:03	29°♐33'12	0.41257 AU	
greatest brilliancy	-3899 Jul 20 j 14:25	27°♐50'11	-2.7m	
opposition	-3899 Jul 22 j 02:54	27°♐21'48	-6°31'00	
direct	-3899 Aug 21 j 22:33	21°♐39'58		
	-3899 Sep 29 j 15:04	0°♑		
	-3899 Nov 28 j 09:46	0°♒		
	-3898 Jan 17 j 19:44	0°♓		
asc. node	-3898 Jan 19 j 03:45	0°♓48'45		
	-3898 Mar 07 j 16:25	0°♈		
	-3898 Apr 24 j 23:22	0°♉		
evening set	-3898 Jun 03 j 06:54	24°♉47'45		
	-3898 Jun 11 j 10:30	0°♊		
max. Earth dist.	-3898 Jul 02 j 13:32	13°♊36'59	2.63692 AU	
conjunction	-3898 Jul 19 j 21:32	24°♊56'46	1°10'29	
minimum elong	-3898 Jul 19 j 21:09	24°♊56'08	1°10'39	
	-3898 Jul 27 j 13:18	0°♋		
morning rise	-3898 Sep 04 j 01:02	25°♋55'16		
	-3898 Sep 09 j 23:32	0°♌		
	-3898 Oct 22 j 17:03	0°♍		
	-3898 Dec 02 j 23:52	0°♎		
	-3897 Jan 12 j 07:19	0°♏		
desc. node	-3897 Jan 24 j 15:50	9°♏15'59		
	-3897 Feb 21 j 08:34	0°♐		
	-3897 Apr 03 j 08:30	0°♑		
	-3897 May 17 j 19:51	0°♒		
	-3897 Jul 18 j 18:41	0°♓		
retrograde	-3897 Aug 09 j 12:50	3°♓06'03		
	-3897 Aug 30 j 05:01	30°℞♒		
min. Earth dist.	-3897 Sep 09 j 20:24	26°♒24'15	0.53595 AU	
opposition	-3897 Sep 16 j 22:56	23°♒41'43	-3°28'47	
greatest brilliancy	-3897 Sep 16 j 03:29	24°♒00'19	-2.0m	
direct	-3897 Oct 22 j 04:39	15°♒52'25		
asc. node	-3897 Dec 07 j 03:06	26°♒30'26		
	-3897 Dec 15 j 12:59	0°♓		
	-3896 Feb 12 j 10:21	0°♈		
	-3896 Apr 03 j 23:50	0°♉		
	-3896 May 22 j 17:40	0°♊		
	-3896 Jul 08 j 03:32	0°♋		
evening set	-3896 Jul 11 j 15:23	2°♋19'18		
max. Earth dist.	-3896 Jul 30 j 00:27	14°♋41'19	2.55235 AU	
	-3896 Aug 21 j 05:40	0°♌		
conjunction	-3896 Aug 29 j 11:17	5°♌46'32	0°59'22	
minimum elong	-3896 Aug 29 j 12:48	5°♌49'12	0°59'29	
	-3896 Oct 02 j 04:30	0°♍		
morning rise	-3896 Oct 19 j 20:39	13°♍02'49		
	-3896 Nov 11 j 09:59	0°♎		
desc. node	-3896 Dec 11 j 13:35	23°♎04'18		
	-3896 Dec 20 j 13:00	0°♏		
	-3895 Jan 28 j 07:35	0°♐		
	-3895 Mar 08 j 15:15	0°♑		
	-3895 Apr 18 j 15:03	0°♒		
	-3895 Jun 02 j 00:34	0°♓		
	-3895 Jul 25 j 05:00	0°♈		
retrograde	-3895 Sep 16 j 17:29	14°♈40'27		
min. Earth dist.	-3895 Oct 22 j 22:56	6°♈11'37	0.63276 AU	
asc. node	-3895 Oct 24 j 03:57	5°♈42'32		
opposition	-3895 Oct 26 j 15:10	4°♈43'01	0°05'53	
greatest brilliancy	-3895 Oct 26 j 14:51	4°♈43'20	-1.5m	
	-3895 Nov 08 j 05:32	30°℞♓		
direct	-3895 Dec 04 j 03:03	25°♓36'24		
	-3894 Jan 01 j 16:44	0°♈		
	-3894 Mar 11 j 05:38	0°♉		
	-3894 May 02 j 13:15	0°♊		
	-3894 Jun 19 j 02:59	0°♋		
	-3894 Aug 02 j 10:00	0°♌		
evening set	-3894 Aug 25 j 22:26	16°♌43'29		
max. Earth dist.	-3894 Sep 12 j 11:31	29°♌32'36	2.43155 AU	
	-3894 Sep 13 j 02:21	0°♍		
conjunction	-3894 Oct 20 j 13:26	28°♍15'16	0°06'23	
minimum elong	-3894 Oct 20 j 13:53	28°♍16'08	0°06'24	
behind sun begin	-3894 Oct 19 j 14:33	27°♍31'23		
behind sun end	-3894 Oct 21 j 13:13	29°♍00'54		
	-3894 Oct 22 j 19:58	0°♎		
desc. node	-3894 Oct 29 j 12:14	5°♎08'52		
	-3894 Nov 30 j 09:38	0°♏		
morning rise	-3894 Dec 22 j 15:34	17°♏27'40		
	-3893 Jan 07 j 15:48	0°♐		
	-3893 Feb 15 j 11:29	0°♑		
	-3893 Mar 27 j 17:47	0°♒		
	-3893 May 09 j 07:56	0°♓		
	-3893 Jun 24 j 11:29	0°♈		
	-3893 Aug 16 j 22:37	0°♉		
asc. node	-3893 Sep 11 j 04:38	11°♉00'45		
retrograde	-3893 Oct 21 j 15:47	19°♉31'52		
opposition	-3893 Nov 30 j 13:04	9°♉51'19	2°48'24	
greatest brilliancy	-3893 Nov 30 j 11:47	9°♉52'35	-1.3m	
min. Earth dist.	-3893 Nov 30 j 14:39	9°♉49'43	0.67168 AU	
direct	-3892 Jan 10 j 01:38	0°♉03'04		
	-3892 Apr 07 j 00:16	0°♊		
	-3892 May 28 j 07:10	0°♋		
	-3892 Jul 12 j 16:44	0°♌		
	-3892 Aug 23 j 14:53	0°♍		
desc. node	-3892 Sep 15 j 10:05	17°♍05'35		
	-3892 Oct 02 j 06:18	0°♎		
evening set	-3892 Oct 22 j 09:45	15°♎40'01		
	-3892 Nov 09 j 15:38	0°♏		
	-3892 Dec 17 j 18:13	0°♐		
conjunction	-3892 Dec 26 j 12:10	6°♐50'31	-1°00'10	
minimum elong	-3892 Dec 26 j 09:28	6°♐45'16	1°00'17	
	-3891 Jan 25 j 12:00	0°♑		
max. Earth dist.	-3891 Feb 11 j 17:12	13°♑00'57	2.40486 AU	
morning rise	-3891 Mar 03 j 12:05	27°♑40'41		
	-3891 Mar 06 j 16:20	0°♒		
	-3891 Apr 17 j 22:10	0°♓		
	-3891 Jun 01 j 16:48	0°♈		
	-3891 Jul 19 j 16:18	0°♉		
asc. node	-3891 Jul 29 j 03:58	5°♉37'21		
	-3891 Sep 11 j 14:59	0°♊		
retrograde	-3891 Nov 25 j 12:26	23°♊22'09		
opposition	-3890 Jan 03 j 07:01	14°♊22'59	4°35'59	
greatest brilliancy	-3890 Jan 03 j 19:58	14°♊10'18	-1.4m	
min. Earth dist.	-3890 Jan 07 j 04:17	12°♊51'36	0.64692 AU	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

direct	-3890 Feb 13 j 12:10	4°♊21'56	
	-3890 May 01 j 19:02	0°♋	
	-3890 Jun 20 j 11:55	0°♌	
	-3890 Aug 02 j 17:33	0°♍	
desc. node	-3890 Aug 03 j 07:42	0°♍25'42	
	-3890 Sep 11 j 20:20	0°♎	
	-3890 Oct 20 j 11:01	0°♏	
	-3890 Nov 27 j 18:17	0°♐	
evening set	-3890 Dec 30 j 06:36	25°♐04'59	
	-3889 Jan 05 j 17:54	0°♑	
	-3889 Feb 15 j 04:52	0°♒	
conjunction	-3889 Mar 01 j 15:49	10°♒23'28	-0°55'04
minimum elong	-3889 Mar 01 j 18:01	10°♒27'23	0°55'11
	-3889 Mar 29 j 15:06	0°♓	
max. Earth dist.	-3889 Apr 07 j 06:43	5°♓56'18	2.53397 AU
morning rise	-3889 Apr 27 j 07:49	19°♓28'51	
	-3889 May 13 j 04:38	0°♈	
asc. node	-3889 Jun 16 j 02:51	21°♈57'05	
	-3889 Jun 28 j 19:55	0°♉	
	-3889 Aug 16 j 16:36	0°♊	
	-3889 Oct 08 j 11:58	0°♋	
	-3889 Dec 23 j 23:13	0°♌	
retrograde	-3888 Jan 06 j 20:27	1°♌06'42	
	-3888 Jan 20 j 01:10	30°℞♋	
opposition	-3888 Feb 12 j 05:30	23°♋16'39	5°02'27
greatest brilliancy	-3888 Feb 13 j 12:50	22°♋47'41	-1.8m
min. Earth dist.	-3888 Feb 19 j 15:10	20°♋32'45	0.55946 AU
direct	-3888 Mar 23 j 04:57	13°♋49'46	
	-3888 May 18 j 01:37	0°♌	
desc. node	-3888 Jun 20 j 06:44	18°♌50'10	
	-3888 Jul 07 j 11:58	0°♍	
	-3888 Aug 18 j 20:29	0°♎	
	-3888 Sep 27 j 13:57	0°♏	
	-3888 Nov 05 j 16:37	0°♐	
	-3888 Dec 15 j 09:48	0°♑	
	-3887 Jan 25 j 13:25	0°♒	
evening set	-3887 Feb 24 j 22:52	21°♒20'08	
	-3887 Mar 09 j 13:49	0°♓	
conjunction	-3887 Apr 19 j 00:38	27°♓04'57	-0°08'05
minimum elong	-3887 Apr 19 j 00:59	27°♓05'32	0°08'05
behind sun begin	-3887 Apr 18 j 06:32	26°♓35'11	
behind sun end	-3887 Apr 19 j 19:26	27°♓35'52	
	-3887 Apr 23 j 11:13	0°♈	
asc. node	-3887 May 03 j 00:23	6°♈14'38	
max. Earth dist.	-3887 May 06 j 08:59	8°♈25'50	2.62804 AU
morning rise	-3887 Jun 07 j 07:18	29°♈00'25	
	-3887 Jun 08 j 20:36	0°♉	
	-3887 Jul 26 j 06:08	0°♊	
	-3887 Sep 12 j 10:56	0°♋	
	-3887 Nov 01 j 04:05	0°♌	
	-3887 Dec 25 j 22:48	0°♍	
retrograde	-3886 Mar 05 j 03:24	20°♍59'34	
opposition	-3886 Apr 06 j 14:25	15°♍02'26	2°02'45
greatest brilliancy	-3886 Apr 07 j 07:10	14°♍49'29	-2.6m
min. Earth dist.	-3886 Apr 14 j 08:03	12°♍39'32	0.43170 AU
desc. node	-3886 May 08 j 07:34	8°♍01'06	
direct	-3886 May 11 j 17:10	7°♍56'18	
	-3886 Jul 15 j 01:00	0°♎	
	-3886 Aug 30 j 17:30	0°♏	
	-3886 Oct 12 j 02:27	0°♐	
	-3886 Nov 23 j 00:02	0°♑	
	-3885 Jan 04 j 19:10	0°♒	
	-3885 Feb 18 j 01:22	0°♓	
asc. node	-3885 Mar 20 j 21:06	20°♓18'56	
	-3885 Apr 04 j 18:42	0°♈	
evening set	-3885 Apr 11 j 02:11	4°♈04'50	
	-3885 May 21 j 11:59	0°♉	
conjunction	-3885 May 29 j 10:57	5°♉04'36	0°37'14
minimum elong	-3885 May 29 j 09:46	5°♉02'43	0°37'19
max. Earth dist.	-3885 May 31 j 01:43	6°♉06'23	2.66940 AU
	-3885 Jul 07 j 12:23	0°♊	
morning rise	-3885 Jul 14 j 06:45	4°♊19'42	
	-3885 Aug 23 j 04:49	0°♋	
	-3885 Oct 08 j 06:58	0°♌	
	-3885 Nov 22 j 22:47	0°♍	
	-3884 Jan 07 j 18:28	0°♎	
	-3884 Feb 24 j 11:42	0°♏	
desc. node	-3884 Mar 25 j 08:12	16°♏44'51	
	-3884 Apr 25 j 12:54	0°♐	
retrograde	-3884 May 22 j 05:33	4°♐25'11	
	-3884 Jun 18 j 13:41	30°℞♏	
min. Earth dist.	-3884 Jun 18 j 23:07	29°♏53'36	0.38211 AU
opposition	-3884 Jun 22 j 12:56	28°♏54'49	-5°45'18
greatest brilliancy	-3884 Jun 21 j 18:24	29°♏07'33	-2.9m
direct	-3884 Jul 22 j 09:40	23°♏52'08	
	-3884 Aug 23 j 13:28	0°♐	
	-3884 Oct 22 j 14:02	0°♑	
	-3884 Dec 10 j 09:55	0°♒	
	-3883 Jan 26 j 20:32	0°♓	
asc. node	-3883 Feb 04 j 19:15	5°♓39'36	
	-3883 Mar 15 j 09:27	0°♈	
	-3883 May 02 j 01:16	0°♉	
evening set	-3883 May 19 j 10:57	10°♉59'53	
	-3883 Jun 18 j 06:54	0°♊	
max. Earth dist.	-3883 Jun 22 j 18:28	2°♊52'38	2.65664 AU
conjunction	-3883 Jul 05 j 01:04	10°♊47'25	1°05'52
minimum elong	-3883 Jul 05 j 00:09	10°♊45'57	1°06'00
	-3883 Aug 03 j 11:03	0°♋	
morning rise	-3883 Aug 19 j 10:38	10°♋36'11	
	-3883 Sep 17 j 04:33	0°♌	
	-3883 Oct 30 j 10:24	0°♍	
	-3883 Dec 11 j 09:51	0°♎	
	-3882 Jan 21 j 13:26	0°♏	
desc. node	-3882 Feb 10 j 09:08	14°♏30'39	
	-3882 Mar 03 j 16:30	0°♐	
	-3882 Apr 15 j 12:36	0°♑	
	-3882 Jun 05 j 01:51	0°♒	
retrograde	-3882 Jul 22 j 11:40	13°♒12'08	
min. Earth dist.	-3882 Aug 20 j 14:39	7°♒23'06	0.48691 AU
greatest brilliancy	-3882 Aug 27 j 07:52	4°♒58'01	-2.2m
opposition	-3882 Aug 28 j 14:35	4°♒30'12	-4°58'26
	-3882 Sep 11 j 14:47	30°℞♑	
direct	-3882 Oct 01 j 04:58	27°♑25'31	
	-3882 Oct 21 j 21:29	0°♒	
asc. node	-3882 Dec 23 j 18:10	26°♒08'17	
	-3882 Dec 31 j 00:38	0°♓	
	-3881 Feb 21 j 20:22	0°♈	
	-3881 Apr 12 j 17:26	0°♉	
	-3881 May 30 j 20:16	0°♊	
evening set	-3881 Jun 26 j 22:50	17°♊25'37	
	-3881 Jul 16 j 02:07	0°♋	
max. Earth dist.	-3881 Jul 19 j 04:15	2°♋03'06	2.59134 AU
conjunction	-3881 Aug 13 j 11:01	19°♋05'54	1°08'09
minimum elong	-3881 Aug 13 j 11:48	19°♋07'14	1°08'18
	-3881 Aug 29 j 06:38	0°♌	
morning rise	-3881 Oct 01 j 01:45	23°♌11'50	
	-3881 Oct 10 j 11:40	0°♍	
	-3881 Nov 20 j 01:27	0°♎	
desc. node	-3881 Dec 29 j 08:31	29°♎51'12	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3881 Dec 29 j 13:07	0°♏	
	-3880 Feb 06 j 16:10	0°♐	
	-3880 Mar 17 j 09:13	0°♑	
	-3880 Apr 28 j 01:13	0°♒	
	-3880 Jun 13 j 10:23	0°♓	
retrograde	-3880 Sep 02 j 09:11	29°♓56'22	
min. Earth dist.	-3880 Oct 06 j 20:21	22°♓04'20	0.60107 AU
opposition	-3880 Oct 11 j 22:43	20°♓02'40	-1°11'29
greatest brilliancy	-3880 Oct 11 j 17:51	20°♓07'30	-1.7m
asc. node	-3880 Nov 09 j 17:41	11°♓50'09	
direct	-3880 Nov 18 j 07:15	11°♓20'58	
	-3879 Jan 22 j 16:46	0°♈	
	-3879 Mar 20 j 22:29	0°♉	
	-3879 May 10 j 09:28	0°♊	
	-3879 Jun 26 j 09:17	0°♋	
evening set	-3879 Aug 07 j 04:56	28°♋21'33	
	-3879 Aug 09 j 13:18	0°♌	
max. Earth dist.	-3879 Aug 22 j 11:57	9°♌07'51	2.48112 AU
	-3879 Sep 20 j 07:31	0°♍	
conjunction	-3879 Sep 28 j 10:58	6°♍01'35	0°32'05
minimum elong	-3879 Sep 28 j 12:40	6°♍04'45	0°32'08
	-3879 Oct 30 j 05:09	0°♎	
desc. node	-3879 Nov 15 j 05:50	12°♎20'03	
morning rise	-3879 Nov 25 j 07:53	20°♎09'13	
	-3879 Dec 07 j 23:13	0°♏	
	-3878 Jan 15 j 09:11	0°♐	
	-3878 Feb 23 j 07:56	0°♑	
	-3878 Apr 04 j 17:48	0°♒	
	-3878 May 17 j 17:06	0°♓	
	-3878 Jul 04 j 03:56	0°♈	
	-3878 Sep 03 j 16:41	0°♉	
asc. node	-3878 Sep 27 j 18:55	5°♉52'16	
retrograde	-3878 Oct 08 j 06:26	6°♉33'08	
	-3878 Nov 08 j 22:43	30°℞♈	
min. Earth dist.	-3878 Nov 15 j 20:45	27°♈16'48	0.66375 AU
opposition	-3878 Nov 17 j 06:50	26°♈42'29	1°51'55
greatest brilliancy	-3878 Nov 17 j 03:34	26°♈45'46	-1.4m
direct	-3878 Dec 27 j 03:41	17°♈07'13	
	-3877 Feb 17 j 20:14	0°♉	
	-3877 Apr 18 j 04:06	0°♊	
	-3877 Jun 06 j 11:14	0°♋	
	-3877 Jul 21 j 07:13	0°♌	
	-3877 Sep 01 j 01:48	0°♍	
evening set	-3877 Sep 28 j 16:51	20°♍46'32	
desc. node	-3877 Oct 03 j 03:07	24°♍09'43	
	-3877 Oct 10 j 17:16	0°♎	
	-3877 Nov 18 j 03:28	0°♏	
conjunction	-3877 Nov 29 j 16:12	9°♏04'43	-0°39'03
minimum elong	-3877 Nov 29 j 13:13	8°♏58'51	0°39'07
max. Earth dist.	-3877 Nov 29 j 11:29	8°♏55'25	2.37579 AU
	-3877 Dec 26 j 06:39	0°♐	
	-3876 Feb 03 j 00:15	0°♑	
morning rise	-3876 Feb 05 j 19:21	2°♑07'52	
	-3876 Mar 14 j 03:54	0°♒	
	-3876 Apr 25 j 10:36	0°♓	
	-3876 Jun 09 j 12:14	0°♈	
	-3876 Jul 28 j 16:00	0°♉	
asc. node	-3876 Aug 14 j 19:58	9°♉34'27	
	-3876 Sep 26 j 17:22	0°♊	
retrograde	-3876 Nov 11 j 04:24	10°♊13'31	
opposition	-3876 Dec 20 j 12:15	0°♊55'29	4°01'26
greatest brilliancy	-3876 Dec 20 j 18:23	0°♊49'24	-1.3m
	-3876 Dec 22 j 20:11	30°℞♉	
min. Earth dist.	-3876 Dec 22 j 21:23	29°♉58'48	0.66424 AU
direct	-3875 Jan 30 j 15:01	20°♉55'34	
	-3875 Mar 14 j 01:19	0°♊	
	-3875 May 13 j 02:46	0°♋	
	-3875 Jun 29 j 09:22	0°♌	
	-3875 Aug 10 j 22:09	0°♍	
desc. node	-3875 Aug 20 j 01:14	6°♍44'06	
	-3875 Sep 19 j 18:33	0°♎	
	-3875 Oct 28 j 05:40	0°♏	
evening set	-3875 Dec 03 j 18:03	28°♏42'18	
	-3875 Dec 05 j 09:47	0°♐	
	-3874 Jan 13 j 05:49	0°♑	
conjunction	-3874 Feb 06 j 07:04	18°♑04'06	-1°05'54
minimum elong	-3874 Feb 06 j 08:20	18°♑06'28	1°06'03
	-3874 Feb 22 j 12:47	0°♒	
max. Earth dist.	-3874 Mar 22 j 17:42	20°♒10'44	2.48522 AU
	-3874 Apr 05 j 19:48	0°♓	
morning rise	-3874 Apr 08 j 02:11	1°♓33'51	
	-3874 May 20 j 09:00	0°♈	
asc. node	-3874 Jul 02 j 18:19	27°♈46'46	
	-3874 Jul 06 j 07:52	0°♉	
	-3874 Aug 25 j 08:58	0°♊	
	-3874 Oct 22 j 00:22	0°♋	
retrograde	-3874 Dec 20 j 04:33	15°♋46'19	
opposition	-3873 Jan 26 j 16:07	7°♋24'56	5°05'54
greatest brilliancy	-3873 Jan 27 j 16:57	7°♋01'17	-1.6m
min. Earth dist.	-3873 Feb 01 j 19:01	5°♋05'07	0.60065 AU
	-3873 Feb 17 j 11:58	30°℞♊	
direct	-3873 Mar 08 j 10:15	27°♊36'26	
	-3873 Mar 28 j 08:34	0°♋	
	-3873 Jun 03 j 04:22	0°♌	
desc. node	-3873 Jul 07 j 23:31	22°♌20'53	
	-3873 Jul 19 j 01:11	0°♍	
	-3873 Aug 29 j 03:14	0°♎	
	-3873 Oct 07 j 05:58	0°♏	
	-3873 Nov 14 j 22:11	0°♐	
	-3873 Dec 24 j 06:09	0°♑	
	-3872 Feb 03 j 01:06	0°♒	
evening set	-3872 Feb 05 j 09:02	1°♒40'27	
	-3872 Mar 16 j 18:08	0°♓	
conjunction	-3872 Apr 01 j 07:31	10°♓35'27	-0°27'29
minimum elong	-3872 Apr 01 j 08:50	10°♓37'41	0°27'31
max. Earth dist.	-3872 Apr 25 j 17:57	26°♓54'17	2.59721 AU
	-3872 Apr 30 j 10:40	0°♈	
asc. node	-3872 May 19 j 16:08	12°♈33'06	
morning rise	-3872 May 22 j 22:14	14°♈39'32	
	-3872 Jun 15 j 20:15	0°♉	
	-3872 Aug 02 j 14:56	0°♊	
	-3872 Sep 20 j 23:28	0°♋	
	-3872 Nov 13 j 00:32	0°♌	
retrograde	-3871 Feb 07 j 15:16	29°♌27'52	
opposition	-3871 Mar 13 j 19:37	22°♌41'14	3°53'27
greatest brilliancy	-3871 Mar 15 j 02:34	22°♌14'54	-2.2m
min. Earth dist.	-3871 Mar 22 j 07:18	19°♌49'10	0.48217 AU
direct	-3871 Apr 20 j 09:08	14°♌23'29	
desc. node	-3871 May 24 j 23:20	21°♌39'13	
	-3871 Jun 12 j 11:29	0°♍	
	-3871 Jul 31 j 16:32	0°♎	
	-3871 Sep 11 j 18:08	0°♏	
	-3871 Oct 22 j 05:00	0°♐	
	-3871 Dec 01 j 22:08	0°♑	
	-3870 Jan 12 j 20:52	0°♒	
	-3870 Feb 25 j 12:19	0°♓	
evening set	-3870 Mar 25 j 13:59	18°♓42'07	
asc. node	-3870 Apr 06 j 13:24	26°♓33'56	
	-3870 Apr 11 j 19:39	0°♈	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

conjunction	-3870 May 14 j 09:10	21°♈03'19	0°21'08
minimum elong	-3870 May 14 j 08:23	21°♈02'03	0°21'11
max. Earth dist.	-3870 May 21 j 21:56	25°♈53'07	2.65973 AU
	-3870 May 28 j 08:12	0°♉	
morning rise	-3870 Jun 30 j 03:49	20°♉55'34	
	-3870 Jul 14 j 10:08	0°♊	
	-3870 Aug 30 j 12:53	0°♋	
	-3870 Oct 16 j 14:44	0°♌	
	-3870 Dec 03 j 05:14	0°♍	
	-3869 Jan 22 j 05:36	0°♎	
	-3869 Mar 28 j 19:25	0°♏	
desc. node	-3869 Apr 12 j 01:46	2°♏50'23	
retrograde	-3869 Apr 21 j 20:15	3°♏26'23	
	-3869 May 16 j 06:09	30°℞♎	
opposition	-3869 May 22 j 08:02	28°♎24'11	-2°56'57
greatest brilliancy	-3869 May 22 j 10:45	28°♎22'22	-2.9m
min. Earth dist.	-3869 May 24 j 03:33	27°♎55'02	0.37950 AU
direct	-3869 Jun 22 j 01:38	23°♎10'05	
	-3869 Jul 25 j 14:21	0°♏	
	-3869 Sep 20 j 15:40	0°♐	
	-3869 Nov 06 j 03:33	0°♑	
	-3869 Dec 21 j 09:34	0°♒	
	-3868 Feb 05 j 03:46	0°♓	
asc. node	-3868 Feb 22 j 10:03	11°♓10'07	
	-3868 Mar 22 j 18:58	0°♈	
evening set	-3868 May 04 j 12:45	27°♈10'11	
	-3868 May 08 j 23:46	0°♉	
max. Earth dist.	-3868 Jun 13 j 10:56	22°♉33'50	2.66809 AU
conjunction	-3868 Jun 20 j 12:08	27°♉04'14	0°57'21
minimum elong	-3868 Jun 20 j 10:55	27°♉02'18	0°57'28
	-3868 Jun 25 j 01:54	0°♊	
morning rise	-3868 Aug 04 j 16:45	26°♊16'43	
	-3868 Aug 10 j 09:11	0°♋	
	-3868 Sep 24 j 12:41	0°♌	
	-3868 Nov 07 j 11:30	0°♍	
	-3868 Dec 20 j 11:18	0°♎	
	-3867 Jan 31 j 23:46	0°♏	
desc. node	-3867 Feb 27 j 02:25	18°♏16'25	
	-3867 Mar 16 j 05:21	0°♐	
	-3867 May 03 j 03:22	0°♑	
retrograde	-3867 Jul 01 j 15:08	19°♑39'11	
min. Earth dist.	-3867 Jul 28 j 20:57	14°♑41'56	0.43693 AU
greatest brilliancy	-3867 Aug 04 j 05:23	12°♑36'42	-2.5m
opposition	-3867 Aug 05 j 19:22	12°♑05'18	-6°11'53
direct	-3867 Sep 06 j 12:58	5°♑53'58	
	-3867 Nov 18 j 23:29	0°♒	
asc. node	-3866 Jan 09 j 08:54	28°♒47'07	
	-3866 Jan 11 j 10:24	0°♓	
	-3866 Mar 02 j 08:24	0°♈	
	-3866 Apr 20 j 02:52	0°♉	
	-3866 Jun 06 j 19:13	0°♊	
evening set	-3866 Jun 11 j 20:12	3°♊13'28	
max. Earth dist.	-3866 Jul 08 j 10:46	20°♊26'37	2.62283 AU
	-3866 Jul 22 j 23:09	0°♋	
conjunction	-3866 Jul 28 j 15:08	3°♋45'45	1°11'06
minimum elong	-3866 Jul 28 j 15:09	3°♋45'48	1°11'15
	-3866 Sep 05 j 07:32	0°♌	
morning rise	-3866 Sep 13 j 10:26	5°♌38'05	
	-3866 Oct 17 j 20:24	0°♍	
	-3866 Nov 27 j 20:43	0°♎	
	-3865 Jan 06 j 20:06	0°♏	
desc. node	-3865 Jan 15 j 01:09	6°♏12'47	
	-3865 Feb 15 j 11:44	0°♐	
	-3865 Mar 27 j 21:01	0°♑	
	-3865 May 09 j 21:09	0°♒	
	-3865 Jun 30 j 09:20	0°♓	
retrograde	-3865 Aug 18 j 23:13	13°♓40'00	
min. Earth dist.	-3865 Sep 20 j 11:19	6°♓31'00	0.56105 AU
opposition	-3865 Sep 26 j 21:28	4°♓01'01	-2°37'10
greatest brilliancy	-3865 Sep 26 j 08:04	4°♓14'05	-1.9m
	-3865 Oct 07 j 23:23	30°℞♒	
direct	-3865 Nov 01 j 22:00	25°♒50'55	
asc. node	-3865 Nov 27 j 09:15	29°♒30'36	
	-3865 Nov 29 j 04:24	0°♓	
	-3864 Feb 05 j 13:07	0°♈	
	-3864 Mar 29 j 14:18	0°♉	
	-3864 May 17 j 20:59	0°♊	
	-3864 Jul 03 j 11:45	0°♋	
evening set	-3864 Jul 20 j 23:32	11°♋41'35	
max. Earth dist.	-3864 Aug 06 j 18:26	23°♋09'19	2.52850 AU
	-3864 Aug 16 j 15:06	0°♌	
conjunction	-3864 Sep 08 j 19:08	16°♌24'25	0°51'23
minimum elong	-3864 Sep 08 j 20:55	16°♌27'38	0°51'29
	-3864 Sep 27 j 12:38	0°♍	
morning rise	-3864 Nov 01 j 03:54	25°♍50'14	
	-3864 Nov 06 j 15:30	0°♎	
desc. node	-3864 Dec 01 j 23:42	19°♎26'19	
	-3864 Dec 15 j 15:00	0°♏	
	-3863 Jan 23 j 05:49	0°♐	
	-3863 Mar 03 j 09:09	0°♑	
	-3863 Apr 13 j 01:41	0°♒	
	-3863 May 26 j 17:46	0°♓	
	-3863 Jul 15 j 18:54	0°♈	
retrograde	-3863 Sep 24 j 16:56	23°♈07'32	
asc. node	-3863 Oct 14 j 10:05	20°♈26'29	
min. Earth dist.	-3863 Oct 31 j 19:47	14°♈20'30	0.64640 AU
opposition	-3863 Nov 03 j 16:52	13°♈10'55	0°47'14
greatest brilliancy	-3863 Nov 03 j 14:28	13°♈13'20	-1.5m
direct	-3863 Dec 12 j 17:42	3°♈52'51	
	-3862 Mar 03 j 23:43	0°♉	
	-3862 Apr 27 j 01:53	0°♊	
	-3862 Jun 14 j 04:32	0°♋	
	-3862 Jul 28 j 16:18	0°♌	
evening set	-3862 Sep 06 j 12:04	28°♌35'37	
	-3862 Sep 08 j 09:48	0°♍	
max. Earth dist.	-3862 Sep 28 j 21:48	15°♍19'53	2.40595 AU
	-3862 Oct 18 j 03:05	0°♎	
desc. node	-3862 Oct 19 j 21:14	1°♎21'10	
conjunction	-3862 Nov 03 j 07:15	12°♎31'19	-0°10'18
minimum elong	-3862 Nov 03 j 06:26	12°♎29'43	0°10'19
behind sun begin	-3862 Nov 02 j 09:49	11°♎49'38	
behind sun end	-3862 Nov 04 j 03:03	13°♎09'50	
	-3862 Nov 25 j 15:37	0°♏	
	-3861 Jan 02 j 20:27	0°♐	
morning rise	-3861 Jan 07 j 22:05	3°♐57'42	
	-3861 Feb 10 j 14:46	0°♑	
	-3861 Mar 22 j 18:52	0°♒	
	-3861 May 04 j 04:23	0°♓	
	-3861 Jun 18 j 18:34	0°♈	
	-3861 Aug 09 j 00:23	0°♉	
asc. node	-3861 Sep 01 j 10:47	11°♉37'50	
retrograde	-3861 Oct 29 j 10:23	27°♉20'24	
opposition	-3861 Dec 08 j 03:40	17°♉46'48	3°17'42
greatest brilliancy	-3861 Dec 08 j 04:30	17°♉45'59	-1.3m
min. Earth dist.	-3861 Dec 09 j 00:52	17°♉25'37	0.67175 AU
direct	-3860 Jan 17 j 22:25	7°♉53'10	
	-3860 Mar 30 j 07:51	0°♊	
	-3860 May 22 j 15:31	0°♋	
	-3860 Jul 07 j 14:43	0°♌	
	-3860 Aug 18 j 17:36	0°♍	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

desc. node	-3860 Sep 05 j 18:25	13°♍26'59	
	-3860 Sep 27 j 10:46	0°♎	
	-3860 Nov 04 j 20:31	0°♏	
evening set	-3860 Nov 06 j 10:59	1°♏15'44	
	-3860 Dec 12 j 23:17	0°♐	
conjunction	-3859 Jan 11 j 04:23	22°♐41'43	-1°06'13
minimum elong	-3859 Jan 11 j 03:06	22°♐39'15	1°06'23
	-3859 Jan 20 j 17:23	0°♑	
max. Earth dist.	-3859 Mar 01 j 06:40	29°♑32'20	2.43305 AU
	-3859 Mar 01 j 21:49	0°♒	
morning rise	-3859 Mar 17 j 05:58	11°♒05'07	
	-3859 Apr 13 j 02:58	0°♓	
	-3859 May 27 j 17:56	0°♈	
	-3859 Jul 14 j 05:18	0°♉	
asc. node	-3859 Jul 19 j 10:34	3°♉10'06	
	-3859 Sep 04 j 05:36	0°♊	
	-3859 Nov 17 j 15:55	0°♋	
retrograde	-3859 Dec 04 j 03:26	1°♋33'13	
	-3859 Dec 19 j 16:06	30°℞♊	
opposition	-3858 Jan 11 j 12:03	22°♊46'03	4°50'44
greatest brilliancy	-3858 Jan 12 j 05:12	22°♊29'23	-1.5m
min. Earth dist.	-3858 Jan 16 j 04:36	20°♊56'39	0.63325 AU
direct	-3858 Feb 21 j 15:13	12°♊47'01	
	-3858 Apr 22 j 20:59	0°♋	
	-3858 Jun 14 j 08:53	0°♌	
desc. node	-3858 Jul 24 j 17:43	27°♌26'31	
	-3858 Jul 28 j 07:29	0°♍	
	-3858 Sep 06 j 17:03	0°♎	
	-3858 Oct 15 j 10:57	0°♏	
	-3858 Nov 22 j 20:18	0°♐	
	-3858 Dec 31 j 21:49	0°♑	
evening set	-3857 Jan 13 j 10:52	9°♑25'33	
	-3857 Feb 10 j 10:25	0°♒	
conjunction	-3857 Mar 13 j 19:46	22°♒18'32	-0°45'52
minimum elong	-3857 Mar 13 j 21:51	22°♒22'09	0°45'57
	-3857 Mar 24 j 21:59	0°♓	
max. Earth dist.	-3857 Apr 14 j 23:21	14°♓20'54	2.55866 AU
morning rise	-3857 May 07 j 10:53	29°♓19'34	
	-3857 May 08 j 11:26	0°♈	
asc. node	-3857 Jun 06 j 07:46	18°♈45'06	
	-3857 Jun 23 j 23:19	0°♉	
	-3857 Aug 11 j 07:51	0°♊	
	-3857 Oct 01 j 11:47	0°♋	
	-3857 Dec 01 j 01:09	0°♌	
retrograde	-3856 Jan 17 j 21:18	11°♌01'15	
opposition	-3856 Feb 22 j 13:19	3°♌31'18	4°47'57
greatest brilliancy	-3856 Feb 23 j 22:27	3°♌01'20	-1.9m
min. Earth dist.	-3856 Mar 01 j 12:10	0°♌39'28	0.53357 AU
	-3856 Mar 03 j 09:40	30°℞♋	
direct	-3856 Apr 01 j 20:21	24°♋23'14	
	-3856 May 02 j 10:56	0°♌	
desc. node	-3856 Jun 10 j 17:23	18°♌26'28	
	-3856 Jun 29 j 19:51	0°♍	
	-3856 Aug 12 j 13:46	0°♎	
	-3856 Sep 21 j 21:09	0°♏	
	-3856 Oct 31 j 07:59	0°♐	
	-3856 Dec 10 j 07:19	0°♑	
	-3855 Jan 20 j 15:39	0°♒	
	-3855 Mar 04 j 19:44	0°♓	
evening set	-3855 Mar 07 j 19:34	2°♓01'56	
	-3855 Apr 18 j 19:21	0°♈	
asc. node	-3855 Apr 23 j 04:52	2°♈52'35	
conjunction	-3855 Apr 28 j 13:49	6°♈22'47	0°03'07
minimum elong	-3855 Apr 28 j 13:41	6°♈22'34	0°03'08
behind sun begin	-3855 Apr 27 j 17:19	5°♈49'27	
behind sun end	-3855 Apr 29 j 10:02	6°♈55'41	
max. Earth dist.	-3855 May 12 j 06:35	15°♈15'49	2.64163 AU
	-3855 Jun 04 j 04:59	0°♉	
morning rise	-3855 Jun 15 j 19:19	7°♉24'10	
	-3855 Jul 21 j 10:44	0°♊	
	-3855 Sep 07 j 04:13	0°♋	
	-3855 Oct 25 j 16:46	0°♌	
	-3855 Dec 15 j 18:13	0°♍	
	-3854 Feb 18 j 05:00	0°♎	
retrograde	-3854 Mar 21 j 12:47	5°♎21'53	
opposition	-3854 Apr 21 j 22:47	29°♍51'25	0°28'18
	-3854 Apr 21 j 11:00	30°℞♍	
greatest brilliancy	-3854 Apr 22 j 02:23	29°♍48'48	-2.8m
min. Earth dist.	-3854 Apr 28 j 06:33	28°♍00'54	0.40743 AU
desc. node	-3854 Apr 28 j 17:30	27°♍53'06	
direct	-3854 May 25 j 11:54	23°♍30'11	
	-3854 Jun 26 j 15:20	0°♎	
	-3854 Aug 21 j 12:34	0°♏	
	-3854 Oct 05 j 00:28	0°♐	
	-3854 Nov 16 j 23:06	0°♑	
	-3854 Dec 30 j 09:23	0°♒	
	-3853 Feb 13 j 01:21	0°♓	
asc. node	-3853 Mar 11 j 02:43	17°♓05'52	
	-3853 Mar 31 j 00:37	0°♈	
evening set	-3853 Apr 20 j 04:06	12°♈56'36	
	-3853 May 16 j 21:04	0°♉	
max. Earth dist.	-3853 Jun 05 j 11:18	12°♉29'16	2.67119 AU
conjunction	-3853 Jun 06 j 22:31	13°♉25'22	0°45'29
minimum elong	-3853 Jun 06 j 21:14	13°♉23'21	0°45'35
	-3853 Jul 02 j 21:29	0°♊	
morning rise	-3853 Jul 22 j 09:52	12°♊31'36	
	-3853 Aug 18 j 10:13	0°♋	
	-3853 Oct 03 j 03:19	0°♌	
	-3853 Nov 17 j 01:45	0°♍	
	-3853 Dec 31 j 14:33	0°♎	
	-3852 Feb 14 j 15:02	0°♏	
desc. node	-3852 Mar 15 j 18:58	19°♏08'17	
	-3852 Apr 03 j 08:44	0°♐	
retrograde	-3852 Jun 07 j 00:55	21°♐59'00	
min. Earth dist.	-3852 Jul 03 j 20:54	17°♐31'15	0.39604 AU
greatest brilliancy	-3852 Jul 08 j 10:24	16°♐11'16	-2.8m
opposition	-3852 Jul 09 j 17:11	15°♐48'38	-6°26'39
direct	-3852 Aug 08 j 23:07	10°♐28'13	
	-3852 Oct 11 j 02:39	0°♑	
	-3852 Dec 03 j 05:16	0°♒	
	-3851 Jan 21 j 02:24	0°♓	
asc. node	-3851 Jan 26 j 00:51	3°♓03'48	
	-3851 Mar 10 j 07:21	0°♈	
	-3851 Apr 27 j 07:13	0°♉	
evening set	-3851 May 27 j 23:33	19°♉21'39	
	-3851 Jun 13 j 16:06	0°♊	
max. Earth dist.	-3851 Jun 28 j 09:34	9°♊28'15	2.64673 AU
conjunction	-3851 Jul 13 j 12:45	19°♊17'39	1°09'03
minimum elong	-3851 Jul 13 j 12:08	19°♊16'39	1°09'12
	-3851 Jul 29 j 20:05	0°♋	
morning rise	-3851 Aug 28 j 06:16	19°♋40'12	
	-3851 Sep 12 j 10:21	0°♌	
	-3851 Oct 25 j 09:51	0°♍	
	-3851 Dec 06 j 00:19	0°♎	
	-3850 Jan 15 j 16:11	0°♏	
desc. node	-3850 Jan 31 j 18:51	11°♏58'10	
	-3850 Feb 25 j 03:06	0°♐	
	-3850 Apr 07 j 17:25	0°♑	
	-3850 May 23 j 18:50	0°♒	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

retrograde	-3850 Aug 02 j 01:31	25°♒18'19	
min. Earth dist.	-3850 Sep 01 j 09:46	18°♒59'10	0.51433 AU
opposition	-3850 Sep 08 j 22:54	16°♒10'01	-4°07'48
greatest brilliancy	-3850 Sep 07 j 22:30	16°♒32'53	-2.1m
direct	-3850 Oct 13 j 11:08	8°♒39'31	
asc. node	-3850 Dec 14 j 00:02	26°♒08'58	
	-3850 Dec 22 j 02:21	0°♓	
	-3849 Feb 15 j 19:41	0°♈	
	-3849 Apr 07 j 14:33	0°♉	
	-3849 May 26 j 02:11	0°♊	
evening set	-3849 Jul 05 j 20:22	26°♊17'26	
	-3849 Jul 11 j 11:07	0°♋	
max. Earth dist.	-3849 Jul 25 j 21:29	9°♋38'12	2.57055 AU
conjunction	-3849 Aug 23 j 00:19	28°♋52'02	1°03'50
minimum elong	-3849 Aug 23 j 01:33	28°♋54'10	1°03'58
	-3849 Aug 24 j 15:25	0°♌	
	-3849 Oct 05 j 17:48	0°♍	
morning rise	-3849 Oct 12 j 00:53	4°♍36'04	
	-3849 Nov 15 j 03:38	0°♎	
desc. node	-3849 Dec 19 j 16:41	26°♎20'40	
	-3849 Dec 24 j 10:43	0°♏	
	-3848 Feb 01 j 08:41	0°♐	
	-3848 Mar 11 j 19:34	0°♑	
	-3848 Apr 21 j 23:57	0°♒	
	-3848 Jun 05 j 23:17	0°♓	
	-3848 Aug 01 j 16:48	0°♈	
retrograde	-3848 Sep 10 j 17:17	8°♈57'20	
min. Earth dist.	-3848 Oct 16 j 04:08	0°♈44'25	0.61965 AU
	-3848 Oct 18 j 00:34	30°℞♓	
opposition	-3848 Oct 20 j 11:57	29°♓00'26	-0°25'37
greatest brilliancy	-3848 Oct 20 j 10:31	29°♓01'52	-1.6m
asc. node	-3848 Oct 31 j 00:41	25°♓01'06	
direct	-3848 Nov 27 j 12:03	20°♓04'23	
	-3847 Jan 11 j 13:18	0°♈	
	-3847 Mar 14 j 17:55	0°♉	
	-3847 May 05 j 05:53	0°♊	
	-3847 Jun 21 j 14:35	0°♋	
	-3847 Aug 04 j 21:40	0°♌	
evening set	-3847 Aug 17 j 14:58	8°♌58'02	
max. Earth dist.	-3847 Sep 02 j 10:03	20°♌18'43	2.45361 AU
	-3847 Sep 15 j 15:49	0°♍	
conjunction	-3847 Oct 10 j 15:15	18°♍40'21	0°18'07
minimum elong	-3847 Oct 10 j 16:25	18°♍42'33	0°18'08
	-3847 Oct 25 j 11:56	0°♎	
desc. node	-3847 Nov 05 j 15:22	8°♎34'55	
	-3847 Dec 03 j 03:44	0°♏	
morning rise	-3847 Dec 10 j 09:57	5°♏41'05	
	-3846 Jan 10 j 11:14	0°♐	
	-3846 Feb 18 j 07:32	0°♑	
	-3846 Mar 30 j 14:03	0°♒	
	-3846 May 12 j 05:54	0°♓	
	-3846 Jun 27 j 18:12	0°♈	
	-3846 Aug 22 j 06:58	0°♉	
asc. node	-3846 Sep 18 j 01:28	10°♉06'02	
retrograde	-3846 Oct 15 j 23:49	14°♉29'12	
opposition	-3846 Nov 24 j 22:42	4°♉43'36	2°25'47
min. Earth dist.	-3846 Nov 24 j 08:02	4°♉58'21	0.66942 AU
greatest brilliancy	-3846 Nov 24 j 20:12	4°♉46'08	-1.3m
	-3846 Dec 07 j 08:03	30°℞♈	
direct	-3845 Jan 04 j 04:39	25°♈00'45	
	-3845 Feb 03 j 22:42	0°♉	
	-3845 Apr 11 j 18:29	0°♊	
	-3845 Jun 01 j 04:48	0°♋	
	-3845 Jul 16 j 09:57	0°♌	
	-3845 Aug 27 j 07:41	0°♍	
desc. node	-3845 Sep 23 j 13:21	20°♍27'13	
	-3845 Oct 06 j 00:01	0°♎	
evening set	-3845 Oct 12 j 07:39	4°♎53'11	
	-3845 Nov 13 j 09:59	0°♏	
conjunction	-3845 Dec 15 j 07:02	25°♏06'43	-0°52'26
minimum elong	-3845 Dec 15 j 03:49	25°♏00'23	0°52'32
	-3845 Dec 21 j 12:26	0°♐	
max. Earth dist.	-3844 Jan 20 j 14:24	23°♐23'31	2.38568 AU
	-3844 Jan 29 j 05:18	0°♑	
morning rise	-3844 Feb 21 j 06:21	17°♑23'53	
	-3844 Mar 09 j 08:01	0°♒	
	-3844 Apr 20 j 12:28	0°♓	
	-3844 Jun 04 j 08:00	0°♈	
	-3844 Jul 22 j 15:48	0°♉	
asc. node	-3844 Aug 05 j 00:43	7°♉46'14	
	-3844 Sep 16 j 08:04	0°♊	
retrograde	-3844 Nov 19 j 08:22	18°♊09'51	
opposition	-3844 Dec 28 j 08:57	9°♊01'42	4°22'33
greatest brilliancy	-3844 Dec 28 j 18:43	8°♊52'04	-1.4m
min. Earth dist.	-3844 Dec 31 j 13:47	7°♊45'55	0.65597 AU
	-3843 Jan 26 j 05:55	30°℞♉	
direct	-3843 Feb 07 j 13:18	29°♉00'28	
	-3843 Feb 20 j 11:12	0°♊	
	-3843 May 06 j 05:04	0°♋	
	-3843 Jun 23 j 19:40	0°♌	
	-3843 Aug 05 j 18:43	0°♍	
desc. node	-3843 Aug 10 j 10:42	3°♍24'36	
	-3843 Sep 14 j 19:27	0°♎	
	-3843 Oct 23 j 08:46	0°♏	
	-3843 Nov 30 j 14:13	0°♐	
evening set	-3843 Dec 18 j 21:56	14°♐14'19	
	-3842 Jan 08 j 11:28	0°♑	
	-3842 Feb 17 j 19:25	0°♒	
conjunction	-3842 Feb 19 j 20:49	1°♒29'43	-1°00'39
minimum elong	-3842 Feb 19 j 22:50	1°♒33'24	1°00'46
max. Earth dist.	-3842 Apr 01 j 04:35	0°♓03'17	2.51270 AU
	-3842 Apr 01 j 02:41	0°♓	
morning rise	-3842 Apr 19 j 07:49	12°♓27'43	
	-3842 May 15 j 14:30	0°♈	
asc. node	-3842 Jun 22 j 23:36	24°♈45'37	
	-3842 Jul 01 j 07:19	0°♉	
	-3842 Aug 19 j 13:10	0°♊	
	-3842 Oct 12 j 20:31	0°♋	
retrograde	-3842 Dec 30 j 00:35	24°♋47'35	
opposition	-3841 Feb 04 j 22:07	16°♋42'30	5°06'12
greatest brilliancy	-3841 Feb 06 j 02:46	16°♋15'36	-1.7m
min. Earth dist.	-3841 Feb 11 j 18:18	14°♋08'37	0.57899 AU
direct	-3841 Mar 17 j 06:41	7°♋04'16	
	-3841 May 25 j 15:41	0°♌	
desc. node	-3841 Jun 28 j 09:30	20°♌25'10	
	-3841 Jul 12 j 17:05	0°♍	
	-3841 Aug 23 j 11:19	0°♎	
	-3841 Oct 01 j 21:51	0°♏	
	-3841 Nov 09 j 19:00	0°♐	
	-3841 Dec 19 j 07:03	0°♑	
	-3840 Jan 29 j 05:29	0°♒	
evening set	-3840 Feb 17 j 08:11	13°♒33'42	
	-3840 Mar 12 j 01:11	0°♓	
conjunction	-3840 Apr 11 j 14:57	20°♓37'33	-0°16'15
minimum elong	-3840 Apr 11 j 15:43	20°♓38'49	0°16'17
	-3840 Apr 25 j 19:10	0°♈	
max. Earth dist.	-3840 May 01 j 23:48	4°♈03'47	2.61523 AU
asc. node	-3840 May 09 j 21:36	9°♈13'26	
morning rise	-3840 May 31 j 20:42	23°♈24'59	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3840 Jun 11 j 03:35	0°♉	
	-3840 Jul 28 j 16:01	0°♊	
	-3840 Sep 15 j 07:05	0°♋	
	-3840 Nov 05 j 03:51	0°♌	
	-3839 Jan 03 j 16:39	0°♍	
retrograde	-3839 Feb 21 j 11:24	11°♍36'57	
opposition	-3839 Mar 26 j 18:05	5°♍17'11	2°58'16
greatest brilliancy	-3839 Mar 27 j 18:38	4°♍57'17	-2.4m
min. Earth dist.	-3839 Apr 04 j 01:53	2°♍36'26	0.45379 AU
	-3839 Apr 13 j 07:16	30°℞♌	
direct	-3839 May 02 j 02:03	27°♌36'33	
desc. node	-3839 May 15 j 10:12	28°♌47'57	
	-3839 May 21 j 03:48	0°♍	
	-3839 Jul 22 j 16:45	0°♎	
	-3839 Sep 04 j 18:32	0°♏	
	-3839 Oct 16 j 02:54	0°♐	
	-3839 Nov 26 j 09:19	0°♑	
	-3838 Jan 07 j 17:28	0°♒	
	-3838 Feb 20 j 15:27	0°♓	
asc. node	-3838 Mar 27 j 18:31	23°♓14'39	
evening set	-3838 Apr 04 j 03:52	28°♓03'58	
	-3838 Apr 07 j 03:12	0°♈	
conjunction	-3838 May 23 j 02:43	29°♈36'01	0°30'46
minimum elong	-3838 May 23 j 01:40	29°♈34'20	0°30'51
	-3838 May 23 j 17:44	0°♉	
max. Earth dist.	-3838 May 27 j 08:23	2°♉18'25	2.66611 AU
morning rise	-3838 Jul 08 j 07:07	29°♉03'46	
	-3838 Jul 09 j 18:23	0°♊	
	-3838 Aug 25 j 15:10	0°♋	
	-3838 Oct 11 j 02:57	0°♌	
	-3838 Nov 26 j 12:34	0°♍	
	-3837 Jan 12 j 18:36	0°♎	
	-3837 Mar 05 j 03:57	0°♏	
desc. node	-3837 Apr 02 j 10:51	13°♏09'21	
retrograde	-3837 May 09 j 22:00	21°♏10'39	
min. Earth dist.	-3837 Jun 08 j 06:59	16°♏20'49	0.37707 AU
opposition	-3837 Jun 09 j 12:37	16°♏01'07	-4°44'51
greatest brilliancy	-3837 Jun 09 j 05:20	16°♏05'58	-2.9m
direct	-3837 Jul 09 j 10:53	11°♏01'25	
	-3837 Sep 08 j 03:34	0°♐	
	-3837 Oct 29 j 07:56	0°♑	
	-3837 Dec 15 j 05:50	0°♒	
	-3836 Jan 30 j 19:32	0°♓	
asc. node	-3836 Feb 12 j 16:17	8°♓13'56	
	-3836 Mar 17 j 21:29	0°♈	
	-3836 May 04 j 07:57	0°♉	
evening set	-3836 May 13 j 02:46	5°♉33'37	
max. Earth dist.	-3836 Jun 18 j 20:11	28°♉56'07	2.66280 AU
	-3836 Jun 20 j 12:04	0°♊	
conjunction	-3836 Jun 28 j 19:52	5°♊20'40	1°02'43
minimum elong	-3836 Jun 28 j 18:48	5°♊18'58	1°02'52
	-3836 Aug 05 j 18:09	0°♋	
morning rise	-3836 Aug 13 j 01:37	4°♋49'11	
	-3836 Sep 19 j 16:31	0°♌	
	-3836 Nov 02 j 05:59	0°♍	
	-3836 Dec 14 j 15:37	0°♎	
	-3835 Jan 25 j 07:57	0°♏	
desc. node	-3835 Feb 17 j 11:36	16°♏40'40	
	-3835 Mar 08 j 04:14	0°♐	
	-3835 Apr 21 j 10:33	0°♑	
	-3835 Jun 19 j 15:28	0°♒	
retrograde	-3835 Jul 13 j 22:18	3°♒55'59	
	-3835 Aug 06 j 12:23	30°℞♑	
min. Earth dist.	-3835 Aug 11 j 02:31	28°♑30'45	0.46434 AU
greatest brilliancy	-3835 Aug 17 j 18:57	26°♑11'30	-2.3m
opposition	-3835 Aug 19 j 05:43	25°♑41'05	-5°33'57
direct	-3835 Sep 21 j 01:01	18°♑59'13	
	-3835 Nov 06 j 01:14	0°♒	
asc. node	-3835 Dec 30 j 15:12	27°♒18'23	
	-3834 Jan 04 j 10:33	0°♓	
	-3834 Feb 24 j 19:55	0°♈	
	-3834 Apr 15 j 04:45	0°♉	
	-3834 Jun 02 j 03:15	0°♊	
evening set	-3834 Jun 20 j 10:30	11°♊43'46	
max. Earth dist.	-3834 Jul 14 j 13:12	27°♊27'58	2.60647 AU
	-3834 Jul 18 j 09:09	0°♋	
conjunction	-3834 Aug 06 j 13:15	12°♋48'59	1°10'03
minimum elong	-3834 Aug 06 j 13:43	12°♋49'46	1°10'12
	-3834 Aug 31 j 16:25	0°♌	
morning rise	-3834 Sep 23 j 05:58	15°♌48'40	
	-3834 Oct 13 j 01:48	0°♍	
	-3834 Nov 22 j 20:44	0°♎	
	-3833 Jan 01 j 13:40	0°♏	
desc. node	-3833 Jan 05 j 11:33	2°♏58'55	
	-3833 Feb 09 j 21:28	0°♐	
	-3833 Mar 21 j 19:51	0°♑	
	-3833 May 02 j 21:20	0°♒	
	-3833 Jun 19 j 15:17	0°♓	
retrograde	-3833 Aug 27 j 23:03	23°♓38'08	
min. Earth dist.	-3833 Sep 30 j 13:41	16°♓04'36	0.58415 AU
opposition	-3833 Oct 06 j 06:54	13°♓49'08	-1°46'44
greatest brilliancy	-3833 Oct 05 j 22:44	13°♓57'12	-1.8m
direct	-3833 Nov 12 j 01:30	5°♓20'44	
asc. node	-3833 Nov 17 j 14:43	5°♓32'17	
	-3832 Jan 28 j 18:01	0°♈	
	-3832 Mar 23 j 22:59	0°♉	
	-3832 May 12 j 21:53	0°♊	
	-3832 Jun 28 j 18:53	0°♋	
evening set	-3832 Jul 30 j 15:13	21°♋26'19	
	-3832 Aug 11 j 23:53	0°♌	
max. Earth dist.	-3832 Aug 15 j 08:51	2°♌21'35	2.50291 AU
conjunction	-3832 Sep 19 j 16:19	27°♌40'03	0°41'11
minimum elong	-3832 Sep 19 j 18:09	27°♌43'25	0°41'16
	-3832 Sep 22 j 20:40	0°♍	
	-3832 Nov 01 j 21:22	0°♎	
morning rise	-3832 Nov 14 j 09:34	9°♎35'02	
desc. node	-3832 Nov 22 j 09:21	15°♎44'49	
	-3832 Dec 10 j 18:14	0°♏	
	-3831 Jan 18 j 06:05	0°♐	
	-3831 Feb 26 j 05:59	0°♑	
	-3831 Apr 07 j 17:11	0°♒	
	-3831 May 20 j 20:28	0°♓	
	-3831 Jul 08 j 01:02	0°♈	
	-3831 Sep 17 j 16:27	0°♉	
retrograde	-3831 Oct 02 j 13:18	1°♉21'30	
asc. node	-3831 Oct 04 j 15:46	1°♉19'43	
	-3831 Oct 16 j 15:04	30°℞♈	
min. Earth dist.	-3831 Nov 09 j 11:37	22°♈18'04	0.65716 AU
opposition	-3831 Nov 11 j 13:52	21°♈27'25	1°25'55
greatest brilliancy	-3831 Nov 11 j 10:31	21°♈30'48	-1.4m
direct	-3831 Dec 21 j 02:19	11°♈59'23	
	-3830 Feb 23 j 13:07	0°♉	
	-3830 Apr 21 j 07:57	0°♊	
	-3830 Jun 09 j 03:44	0°♋	
	-3830 Jul 23 j 21:30	0°♌	
	-3830 Sep 03 j 16:44	0°♍	
evening set	-3830 Sep 18 j 17:48	11°♍12'53	
desc. node	-3830 Oct 10 j 06:41	27°♍35'41	
	-3830 Oct 13 j 09:44	0°♎	
max. Earth dist.	-3830 Oct 24 j 12:02	8°♎34'54	2.38453 AU

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

conjunction	-3830 Nov 17 j 21:00	27°♎37'58	-0°27'01
minimum elong	-3830 Nov 17 j 18:49	27°♎33'40	0°27'04
	-3830 Nov 20 j 21:19	0°♏	
	-3830 Dec 29 j 00:58	0°♐	
morning rise	-3829 Jan 24 j 08:04	20°♐27'49	
	-3829 Feb 05 j 18:08	0°♑	
	-3829 Mar 17 j 20:53	0°♒	
	-3829 Apr 29 j 02:57	0°♓	
	-3829 Jun 13 j 07:24	0°♈	
	-3829 Aug 02 j 01:55	0°♉	
asc. node	-3829 Aug 22 j 16:59	11°♉05'16	
	-3829 Oct 06 j 08:00	0°♊	
retrograde	-3829 Nov 06 j 07:22	5°♊10'36	
	-3829 Dec 04 j 14:56	30°℞♉	
opposition	-3829 Dec 15 j 19:33	25°♉45'05	3°44'06
greatest brilliancy	-3829 Dec 15 j 23:04	25°♉41'35	-1.3m
min. Earth dist.	-3829 Dec 17 j 12:05	25°♉04'41	0.66888 AU
direct	-3828 Jan 25 j 19:06	15°♉47'29	
	-3828 Mar 21 j 00:26	0°♊	
	-3828 May 16 j 15:34	0°♋	
	-3828 Jul 02 j 09:21	0°♌	
	-3828 Aug 13 j 18:58	0°♍	
desc. node	-3828 Aug 27 j 04:29	9°♍55'33	
	-3828 Sep 22 j 14:40	0°♎	
	-3828 Oct 31 j 01:26	0°♏	
evening set	-3828 Nov 21 j 19:05	17°♏07'18	
	-3828 Dec 08 j 04:31	0°♐	
	-3827 Jan 15 j 22:48	0°♑	
conjunction	-3827 Jan 26 j 05:29	7°♑47'37	-1°07'35
minimum elong	-3827 Jan 26 j 05:47	7°♑48'11	1°07'45
	-3827 Feb 25 j 03:30	0°♒	
max. Earth dist.	-3827 Mar 14 j 13:48	12°♒35'01	2.46196 AU
morning rise	-3827 Mar 30 j 00:09	23°♒29'53	
	-3827 Apr 08 j 08:09	0°♓	
	-3827 May 22 j 20:33	0°♈	
	-3827 Jul 08 j 22:32	0°♉	
asc. node	-3827 Jul 09 j 15:39	0°♉26'25	
	-3827 Aug 28 j 14:42	0°♊	
	-3827 Oct 28 j 19:32	0°♋	
retrograde	-3827 Dec 13 j 04:01	10°♋01'20	
opposition	-3826 Jan 20 j 01:20	1°♋27'43	5°01'03
greatest brilliancy	-3826 Jan 20 j 22:44	1°♋07'07	-1.5m
	-3826 Jan 23 j 20:19	30°℞♊	
min. Earth dist.	-3826 Jan 25 j 12:36	29°♊21'25	0.61640 AU
direct	-3826 Mar 02 j 00:00	21°♊33'27	
	-3826 Apr 10 j 16:02	0°♋	
	-3826 Jun 07 j 14:54	0°♌	
desc. node	-3826 Jul 15 j 02:51	24°♌44'08	
	-3826 Jul 22 j 14:43	0°♍	
	-3826 Sep 01 j 09:46	0°♎	
	-3826 Oct 10 j 08:45	0°♏	
	-3826 Nov 17 j 21:25	0°♐	
	-3826 Dec 27 j 01:31	0°♑	
evening set	-3825 Jan 26 j 17:54	22°♑46'58	
	-3825 Feb 05 j 16:24	0°♒	
	-3825 Mar 20 j 05:28	0°♓	
conjunction	-3825 Mar 25 j 03:56	3°♓23'22	-0°35'31
minimum elong	-3825 Mar 25 j 05:38	3°♓26'16	0°35'35
max. Earth dist.	-3825 Apr 22 j 00:21	22°♓11'30	2.58079 AU
	-3825 May 03 j 19:20	0°♈	
morning rise	-3825 May 17 j 00:42	8°♈39'54	
asc. node	-3825 May 27 j 13:22	15°♈29'39	
	-3825 Jun 19 j 04:35	0°♉	
	-3825 Aug 06 j 03:51	0°♊	
	-3825 Sep 25 j 03:43	0°♋	
	-3825 Nov 19 j 10:14	0°♌	
retrograde	-3824 Jan 29 j 19:05	21°♌36'36	
opposition	-3824 Mar 04 j 16:32	14°♌29'34	4°21'50
greatest brilliancy	-3824 Mar 06 j 01:26	14°♌00'43	-2.1m
min. Earth dist.	-3824 Mar 13 j 01:34	11°♌34'27	0.50548 AU
direct	-3824 Apr 12 j 02:50	5°♌46'47	
desc. node	-3824 Jun 01 j 02:16	19°♌37'47	
	-3824 Jun 20 j 11:30	0°♍	
	-3824 Aug 05 j 15:00	0°♎	
	-3824 Sep 15 j 19:07	0°♏	
	-3824 Oct 25 j 17:45	0°♐	
	-3824 Dec 05 j 01:24	0°♑	
	-3823 Jan 15 j 16:21	0°♒	
	-3823 Feb 28 j 01:14	0°♓	
evening set	-3823 Mar 18 j 03:00	12°♓08'46	
asc. node	-3823 Apr 13 j 11:12	29°♓32'28	
	-3823 Apr 14 j 04:02	0°♈	
conjunction	-3823 May 07 j 17:33	15°♈18'20	0°13'45
minimum elong	-3823 May 07 j 17:00	15°♈17'27	0°13'47
behind sun begin	-3823 May 07 j 07:03	15°♈01'24	
behind sun end	-3823 May 08 j 02:57	15°♈33'29	
max. Earth dist.	-3823 May 17 j 21:57	21°♈51'54	2.65268 AU
	-3823 May 30 j 14:24	0°♉	
morning rise	-3823 Jun 24 j 02:01	15°♉37'01	
	-3823 Jul 16 j 17:31	0°♊	
	-3823 Sep 02 j 02:15	0°♋	
	-3823 Oct 19 j 17:31	0°♌	
	-3823 Dec 07 j 13:18	0°♍	
	-3822 Jan 30 j 01:11	0°♎	
retrograde	-3822 Apr 07 j 19:59	21°♎03'59	
desc. node	-3822 Apr 19 j 04:22	20°♎15'52	
opposition	-3822 May 08 j 14:22	15°♎54'02	-1°24'54
greatest brilliancy	-3822 May 08 j 18:45	15°♎51'00	-2.9m
min. Earth dist.	-3822 May 12 j 16:23	14°♎46'18	0.38868 AU
direct	-3822 Jun 09 j 11:02	10°♎14'32	
	-3822 Aug 09 j 03:09	0°♏	
	-3822 Sep 26 j 21:49	0°♐	
	-3822 Nov 10 j 10:49	0°♑	
	-3822 Dec 24 j 18:01	0°♒	
	-3821 Feb 07 j 22:32	0°♓	
asc. node	-3821 Mar 01 j 07:41	13°♓56'10	
	-3821 Mar 26 j 05:39	0°♈	
evening set	-3821 Apr 29 j 01:11	21°♈35'47	
	-3821 May 12 j 06:10	0°♉	
max. Earth dist.	-3821 Jun 10 j 18:50	18°♉47'51	2.67057 AU
conjunction	-3821 Jun 15 j 07:40	21°♉41'26	0°52'45
minimum elong	-3821 Jun 15 j 06:23	21°♉39'24	0°52'52
	-3821 Jun 28 j 07:30	0°♊	
morning rise	-3821 Jul 30 j 13:37	20°♊47'03	
	-3821 Aug 13 j 17:32	0°♋	
	-3821 Sep 28 j 03:11	0°♌	
	-3821 Nov 11 j 12:15	0°♍	
	-3821 Dec 25 j 02:47	0°♎	
	-3820 Feb 06 j 13:02	0°♏	
desc. node	-3820 Mar 06 j 05:19	19°♏25'41	
	-3820 Mar 22 j 09:25	0°♐	
	-3820 May 15 j 14:53	0°♑	
retrograde	-3820 Jun 21 j 11:20	8°♑29'16	
min. Earth dist.	-3820 Jul 18 j 05:12	3°♑50'11	0.41669 AU
greatest brilliancy	-3820 Jul 24 j 00:06	2°♑01'54	-2.6m
opposition	-3820 Jul 25 j 13:17	1°♑32'44	-6°29'26
	-3820 Jul 30 j 14:58	30°℞♐	
direct	-3820 Aug 25 j 12:07	25°♐45'52	
	-3820 Sep 21 j 05:40	0°♑	
	-3820 Nov 24 j 23:29	0°♒	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3819 Jan 15 j 00:23	0°♓	
asc. node	-3819 Jan 16 j 05:48	0°♓44'30	
	-3819 Mar 05 j 02:20	0°♈	
	-3819 Apr 22 j 12:07	0°♉	
evening set	-3819 Jun 05 j 12:06	27°♉43'48	
	-3819 Jun 09 j 01:27	0°♊	
max. Earth dist.	-3819 Jul 04 j 03:00	16°♊08'52	2.63456 AU
conjunction	-3819 Jul 22 j 02:57	27°♊55'46	1°10'48
minimum elong	-3819 Jul 22 j 02:41	27°♊55'20	1°10'57
	-3819 Jul 25 j 06:13	0°♋	
morning rise	-3819 Sep 06 j 08:23	29°♋02'22	
	-3819 Sep 07 j 17:54	0°♌	
	-3819 Oct 20 j 12:10	0°♍	
	-3819 Nov 30 j 18:55	0°♎	
	-3818 Jan 10 j 01:27	0°♏	
desc. node	-3818 Jan 22 j 04:10	9°♏06'04	
	-3818 Feb 19 j 00:28	0°♐	
	-3818 Mar 31 j 19:24	0°♑	
	-3818 May 14 j 16:56	0°♒	
	-3818 Jul 10 j 13:33	0°♓	
retrograde	-3818 Aug 11 j 22:23	6°♓29'30	
	-3818 Sep 11 j 16:42	30°R♒	
min. Earth dist.	-3818 Sep 12 j 12:04	29°♒41'52	0.54074 AU
opposition	-3818 Sep 19 j 11:02	27°♒01'45	-3°15'33
greatest brilliancy	-3818 Sep 18 j 17:02	27°♒19'03	-1.9m
direct	-3818 Oct 24 j 19:09	19°♒08'26	
asc. node	-3818 Dec 04 j 06:10	27°♒38'14	
	-3818 Dec 10 j 10:09	0°♓	
	-3817 Feb 09 j 08:14	0°♈	
	-3817 Apr 02 j 07:54	0°♉	
	-3817 May 21 j 06:37	0°♊	
	-3817 Jul 06 j 19:59	0°♋	
evening set	-3817 Jul 14 j 23:02	5°♋24'02	
max. Earth dist.	-3817 Aug 02 j 02:23	17°♋38'11	2.54820 AU
	-3817 Aug 20 j 00:53	0°♌	
conjunction	-3817 Sep 01 j 22:33	9°♌03'19	0°57'30
minimum elong	-3817 Sep 02 j 00:08	9°♌06'07	0°57'36
	-3817 Oct 01 j 01:40	0°♍	
morning rise	-3817 Oct 23 j 15:51	16°♍41'35	
	-3817 Nov 10 j 08:11	0°♎	
desc. node	-3817 Dec 10 j 02:55	22°♎46'57	
	-3817 Dec 19 j 11:17	0°♏	
	-3816 Jan 27 j 04:56	0°♐	
	-3816 Mar 06 j 10:28	0°♑	
	-3816 Apr 16 j 06:11	0°♒	
	-3816 May 30 j 06:51	0°♓	
	-3816 Jul 21 j 01:28	0°♈	
retrograde	-3816 Sep 18 j 20:04	17°♈38'54	
asc. node	-3816 Oct 21 j 07:01	10°♈39'47	
min. Earth dist.	-3816 Oct 25 j 05:19	9°♈06'45	0.63558 AU
opposition	-3816 Oct 28 j 18:28	7°♈41'09	0°17'46
greatest brilliancy	-3816 Oct 28 j 17:25	7°♈42'12	-1.5m
	-3816 Nov 21 j 11:38	30°R♓	
direct	-3816 Dec 06 j 08:50	28°♓32'24	
	-3816 Dec 22 j 06:44	0°♈	
	-3815 Mar 07 j 23:11	0°♉	
	-3815 Apr 29 j 21:18	0°♊	
	-3815 Jun 16 j 17:21	0°♋	
	-3815 Jul 31 j 04:24	0°♌	
evening set	-3815 Aug 28 j 15:51	20°♌15'33	
	-3815 Sep 10 j 23:31	0°♍	
max. Earth dist.	-3815 Sep 15 j 17:08	3°♍30'06	2.42671 AU
	-3815 Oct 20 j 18:51	0°♎	
conjunction	-3815 Oct 23 j 15:47	2°♎12'29	0°02'26
minimum elong	-3815 Oct 23 j 15:58	2°♎12'51	0°02'25
behind sun begin	-3815 Oct 22 j 14:56	1°♎24'43	
behind sun end	-3815 Oct 24 j 17:00	3°♎01'00	
desc. node	-3815 Oct 27 j 00:42	4°♎48'21	
	-3815 Nov 28 j 09:16	0°♏	
morning rise	-3815 Dec 26 j 06:06	21°♏52'22	
	-3814 Jan 05 j 15:07	0°♐	
	-3814 Feb 13 j 09:29	0°♑	
	-3814 Mar 25 j 13:20	0°♒	
	-3814 May 06 j 23:28	0°♓	
	-3814 Jun 21 j 19:27	0°♈	
	-3814 Aug 13 j 06:21	0°♉	
asc. node	-3814 Sep 08 j 07:20	11°♉56'10	
retrograde	-3814 Oct 23 j 17:30	22°♉20'52	
opposition	-3814 Dec 02 j 13:29	12°♉41'19	2°57'01
greatest brilliancy	-3814 Dec 02 j 12:30	12°♉42'18	-1.3m
min. Earth dist.	-3814 Dec 02 j 18:10	12°♉36'37	0.67190 AU
direct	-3813 Jan 12 j 02:57	2°♉52'05	
	-3813 Apr 04 j 16:19	0°♊	
	-3813 May 26 j 16:44	0°♋	
	-3813 Jul 11 j 09:12	0°♌	
	-3813 Aug 22 j 11:07	0°♍	
desc. node	-3813 Sep 13 j 21:27	16°♍46'09	
	-3813 Oct 01 j 04:40	0°♎	
evening set	-3813 Oct 26 j 20:21	19°♎57'45	
	-3813 Nov 08 j 14:55	0°♏	
	-3813 Dec 16 j 17:24	0°♐	
conjunction	-3813 Dec 31 j 03:27	11°♐16'08	-1°02'01
minimum elong	-3813 Dec 31 j 01:04	11°♐11'29	1°02'09
	-3812 Jan 24 j 10:12	0°♑	
max. Earth dist.	-3812 Feb 16 j 23:57	17°♑47'33	2.41021 AU
	-3812 Mar 04 j 12:46	0°♒	
morning rise	-3812 Mar 06 j 19:14	1°♒39'24	
	-3812 Apr 15 j 16:04	0°♓	
	-3812 May 30 j 07:04	0°♈	
	-3812 Jul 17 j 00:04	0°♉	
asc. node	-3812 Jul 26 j 07:17	5°♉33'41	
	-3812 Sep 08 j 03:08	0°♊	
retrograde	-3812 Nov 27 j 17:22	26°♊13'03	
opposition	-3811 Jan 05 j 09:21	17°♊15'50	4°40'02
greatest brilliancy	-3811 Jan 05 j 23:05	17°♊02'23	-1.4m
min. Earth dist.	-3811 Jan 09 j 09:34	15°♊41'35	0.64467 AU
direct	-3811 Feb 15 j 13:38	7°♊14'58	
	-3811 Apr 28 j 07:53	0°♋	
	-3811 Jun 17 j 22:36	0°♌	
desc. node	-3811 Jul 31 j 20:17	0°♍15'49	
	-3811 Jul 31 j 11:32	0°♍	
	-3811 Sep 09 j 17:36	0°♎	
	-3811 Oct 18 j 09:33	0°♏	
	-3811 Nov 25 j 16:44	0°♐	
evening set	-3810 Jan 02 j 16:11	29°♐15'57	
	-3810 Jan 03 j 15:24	0°♑	
	-3810 Feb 13 j 00:48	0°♒	
conjunction	-3810 Mar 04 j 16:23	14°♒06'26	-0°52'48
minimum elong	-3810 Mar 04 j 18:37	14°♒10'23	0°52'53
	-3810 Mar 27 j 09:06	0°♓	
max. Earth dist.	-3810 Apr 09 j 13:07	9°♓01'56	2.53904 AU
morning rise	-3810 Apr 29 j 21:58	22°♓45'07	
	-3810 May 10 j 20:30	0°♈	
asc. node	-3810 Jun 13 j 05:06	21°♈38'23	
	-3810 Jun 26 j 09:00	0°♉	
	-3810 Aug 14 j 00:39	0°♊	
	-3810 Oct 05 j 05:30	0°♋	
	-3810 Dec 12 j 06:47	0°♌	
retrograde	-3809 Jan 09 j 10:45	4°♌15'44	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3809 Feb 04 j 12:33	30°℞♋	
opposition	-3809 Feb 14 j 17:03	26°♋28'56	4°58'42
greatest brilliancy	-3809 Feb 16 j 00:34	25°♋59'53	-1.8m
min. Earth dist.	-3809 Feb 22 j 05:03	23°♋43'38	0.55490 AU
direct	-3809 Mar 26 j 13:05	17°♋05'20	
	-3809 May 14 j 13:07	0°♌	
desc. node	-3809 Jun 18 j 20:19	19°♌14'12	
	-3809 Jul 05 j 17:42	0°♍	
	-3809 Aug 17 j 12:05	0°♎	
	-3809 Sep 26 j 09:18	0°♏	
	-3809 Nov 04 j 13:06	0°♐	
	-3809 Dec 14 j 05:59	0°♑	
	-3808 Jan 24 j 08:28	0°♒	
evening set	-3808 Feb 28 j 16:27	24°♒46'29	
	-3808 Mar 07 j 07:20	0°♓	
conjunction	-3808 Apr 21 j 12:00	0°♈14'20	-0°04'59
minimum elong	-3808 Apr 21 j 12:13	0°♈14'41	0°04'59
behind sun begin	-3808 Apr 20 j 16:01	29°♓41'33	
behind sun end	-3808 Apr 22 j 08:24	0°♈47'48	
	-3808 Apr 21 j 03:15	0°♈	
asc. node	-3808 Apr 30 j 02:04	5°♈51'38	
max. Earth dist.	-3808 May 08 j 01:37	11°♈03'29	2.63090 AU
	-3808 Jun 06 j 11:24	0°♉	
morning rise	-3808 Jun 09 j 13:01	1°♉57'37	
	-3808 Jul 23 j 19:27	0°♊	
	-3808 Sep 09 j 21:07	0°♋	
	-3808 Oct 29 j 05:58	0°♌	
	-3808 Dec 21 j 18:58	0°♍	
retrograde	-3807 Mar 08 j 18:49	24°♍55'39	
opposition	-3807 Apr 09 j 23:38	19°♍03'55	1°41'41
greatest brilliancy	-3807 Apr 10 j 13:30	18°♍53'19	-2.6m
min. Earth dist.	-3807 Apr 17 j 12:06	16°♍46'13	0.42675 AU
desc. node	-3807 May 05 j 20:09	12°♍39'28	
direct	-3807 May 14 j 20:53	12°♍06'04	
	-3807 Jul 10 j 14:28	0°♎	
	-3807 Aug 27 j 18:36	0°♏	
	-3807 Oct 09 j 13:11	0°♐	
	-3807 Nov 20 j 14:28	0°♑	
	-3806 Jan 02 j 10:51	0°♒	
	-3806 Feb 15 j 17:04	0°♓	
asc. node	-3806 Mar 17 j 23:57	19°♓58'22	
	-3806 Apr 02 j 10:03	0°♈	
evening set	-3806 Apr 13 j 10:48	7°♈07'42	
	-3806 May 19 j 03:06	0°♉	
conjunction	-3806 May 31 j 16:34	8°♉00'48	0°39'39
minimum elong	-3806 May 31 j 15:21	7°♉58'51	0°39'44
max. Earth dist.	-3806 Jun 01 j 19:05	8°♉43'04	2.66997 AU
	-3806 Jul 05 j 03:31	0°♊	
morning rise	-3806 Jul 16 j 09:52	7°♊12'32	
	-3806 Aug 20 j 19:50	0°♋	
	-3806 Oct 05 j 20:54	0°♌	
	-3806 Nov 20 j 09:35	0°♍	
	-3805 Jan 04 j 22:07	0°♎	
	-3805 Feb 20 j 20:45	0°♏	
desc. node	-3805 Mar 23 j 21:16	18°♏04'13	
	-3805 Apr 17 j 12:54	0°♐	
retrograde	-3805 May 26 j 20:45	9°♐07'34	
min. Earth dist.	-3805 Jun 23 j 09:59	4°♐38'02	0.38397 AU
opposition	-3805 Jun 27 j 11:00	3°♐30'33	-5°59'08
greatest brilliancy	-3805 Jun 26 j 13:46	3°♐45'22	-2.9m
	-3805 Jul 11 j 16:14	30°℞♏	
direct	-3805 Jul 27 j 08:59	28°♏25'37	
	-3805 Aug 12 j 00:30	0°♐	
	-3805 Oct 19 j 22:30	0°♑	
	-3805 Dec 08 j 13:22	0°♒	
	-3804 Jan 25 j 06:12	0°♓	
asc. node	-3804 Feb 02 j 21:55	5°♓27'32	
	-3804 Mar 12 j 21:44	0°♈	
	-3804 Apr 29 j 15:03	0°♉	
evening set	-3804 May 21 j 16:01	13°♉55'19	
	-3804 Jun 15 j 22:01	0°♊	
max. Earth dist.	-3804 Jun 24 j 08:58	5°♊25'39	2.65492 AU
conjunction	-3804 Jul 07 j 05:46	13°♊43'53	1°06'52
minimum elong	-3804 Jul 07 j 04:56	13°♊42'32	1°07'02
	-3804 Aug 01 j 03:29	0°♋	
morning rise	-3804 Aug 21 j 16:13	13°♋37'48	
	-3804 Sep 14 j 21:57	0°♌	
	-3804 Oct 28 j 04:11	0°♍	
	-3804 Dec 09 j 03:05	0°♎	
	-3803 Jan 19 j 04:58	0°♏	
desc. node	-3803 Feb 07 j 21:48	14°♏28'11	
	-3803 Mar 01 j 04:04	0°♐	
	-3803 Apr 12 j 14:12	0°♑	
	-3803 May 31 j 08:20	0°♒	
retrograde	-3803 Jul 25 j 03:34	16°♒54'07	
min. Earth dist.	-3803 Aug 23 j 12:26	10°♒58'36	0.49204 AU
greatest brilliancy	-3803 Aug 30 j 04:32	8°♒33'09	-2.2m
opposition	-3803 Aug 31 j 09:47	8°♒06'23	-4°46'28
direct	-3803 Oct 04 j 03:49	0°♒56'32	
asc. node	-3803 Dec 20 j 20:59	26°♒33'13	
	-3803 Dec 27 j 12:34	0°♓	
	-3802 Feb 19 j 01:07	0°♈	
	-3802 Apr 10 j 04:07	0°♉	
	-3802 May 28 j 10:24	0°♊	
evening set	-3802 Jun 29 j 04:47	20°♊25'02	
	-3802 Jul 13 j 18:51	0°♋	
max. Earth dist.	-3802 Jul 20 j 23:20	4°♋46'27	2.58747 AU
conjunction	-3802 Aug 15 j 19:48	22°♋15'09	1°07'10
minimum elong	-3802 Aug 15 j 20:43	22°♋16'43	1°07'18
	-3802 Aug 27 j 01:21	0°♌	
morning rise	-3802 Oct 03 j 16:43	26°♌39'07	
	-3802 Oct 08 j 07:46	0°♍	
	-3802 Nov 17 j 22:12	0°♎	
desc. node	-3802 Dec 26 j 19:57	29°♎33'29	
	-3802 Dec 27 j 09:48	0°♏	
	-3801 Feb 04 j 11:52	0°♐	
	-3801 Mar 16 j 02:31	0°♑	
	-3801 Apr 26 j 13:11	0°♒	
	-3801 Jun 11 j 07:26	0°♓	
	-3801 Aug 14 j 15:34	0°♈	
retrograde	-3801 Sep 05 j 12:42	2°♈59'43	
	-3801 Sep 26 j 02:23	30°℞♓	
min. Earth dist.	-3801 Oct 10 j 04:15	25°♓04'00	0.60478 AU
opposition	-3801 Oct 15 j 03:39	23°♓05'03	-0°58'49
greatest brilliancy	-3801 Oct 14 j 23:44	23°♓08'57	-1.7m
asc. node	-3801 Nov 07 j 21:35	15°♓36'06	
direct	-3801 Nov 21 j 15:18	14°♓20'46	
	-3800 Jan 19 j 10:44	0°♈	
	-3800 Mar 18 j 00:46	0°♉	
	-3800 May 07 j 20:42	0°♊	
	-3800 Jun 24 j 01:24	0°♋	
	-3800 Aug 07 j 08:44	0°♌	
evening set	-3800 Aug 09 j 16:17	1°♌37'03	
max. Earth dist.	-3800 Aug 24 j 22:19	12°♌23'52	2.47587 AU
	-3800 Sep 18 j 05:07	0°♍	
conjunction	-3800 Oct 01 j 06:12	9°♍39'55	0°28'48
minimum elong	-3800 Oct 01 j 07:48	9°♍42'53	0°28'50
	-3800 Oct 28 j 03:52	0°♎	
desc. node	-3800 Nov 12 j 18:30	12°♎00'20	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

morning rise	-3800 Nov 28 j 17:00	24°♎22'36	
	-3800 Dec 05 j 22:03	0°♏	
greatest brilliancy	-3799 Jan 09 j 11:23	27°♏00'52	1.2m
	-3799 Jan 13 j 07:15	0°♐	
	-3799 Feb 21 j 04:19	0°♑	
	-3799 Apr 02 j 11:26	0°♒	
	-3799 May 15 j 05:52	0°♓	
	-3799 Jul 01 j 05:35	0°♈	
	-3799 Aug 28 j 22:47	0°♉	
asc. node	-3799 Sep 24 j 22:30	7°♉57'33	
retrograde	-3799 Oct 10 j 07:09	9°♉23'26	
min. Earth dist.	-3799 Nov 18 j 00:25	0°♉04'41	0.66521 AU
	-3799 Nov 18 j 05:04	30°℞♈	
opposition	-3799 Nov 19 j 07:25	29°♈33'28	2°01'44
greatest brilliancy	-3799 Nov 19 j 04:07	29°♈36'47	-1.4m
direct	-3799 Dec 29 j 06:19	19°♈56'54	
	-3798 Feb 12 j 20:59	0°♉	
	-3798 Apr 15 j 05:50	0°♊	
	-3798 Jun 03 j 23:59	0°♋	
	-3798 Jul 19 j 01:27	0°♌	
	-3798 Aug 29 j 23:24	0°♍	
desc. node	-3798 Sep 30 j 16:49	23°♍51'28	
evening set	-3798 Oct 01 j 16:55	24°♍37'36	
	-3798 Oct 08 j 16:47	0°♎	
	-3798 Nov 16 j 03:40	0°♏	
conjunction	-3798 Dec 03 j 03:07	13°♏22'22	-0°42'26
minimum elong	-3798 Dec 02 j 23:59	13°♏16'13	0°42'30
max. Earth dist.	-3798 Dec 09 j 21:29	18°♏42'14	2.37553 AU
	-3798 Dec 24 j 06:22	0°♐	
	-3797 Jan 31 j 22:28	0°♑	
morning rise	-3797 Feb 09 j 09:31	6°♑26'38	
	-3797 Mar 12 j 23:49	0°♒	
	-3797 Apr 24 j 03:19	0°♓	
	-3797 Jun 08 j 00:14	0°♈	
	-3797 Jul 26 j 18:14	0°♉	
asc. node	-3797 Aug 12 j 21:47	9°♉42'41	
	-3797 Sep 22 j 20:48	0°♊	
retrograde	-3797 Nov 14 j 07:34	13°♊03'19	
opposition	-3797 Dec 23 j 13:38	3°♊46'47	4°07'24
greatest brilliancy	-3797 Dec 23 j 20:25	3°♊40'04	-1.3m
min. Earth dist.	-3797 Dec 26 j 01:49	2°♊47'06	0.66308 AU
	-3796 Jan 02 j 07:42	30°℞♉	
direct	-3796 Feb 02 j 16:20	23°♉46'39	
	-3796 Mar 08 j 01:02	0°♊	
	-3796 May 10 j 03:58	0°♋	
	-3796 Jun 26 j 23:08	0°♌	
	-3796 Aug 08 j 17:28	0°♍	
desc. node	-3796 Aug 17 j 14:04	6°♍30'36	
	-3796 Sep 17 j 16:45	0°♎	
	-3796 Oct 26 j 05:09	0°♏	
	-3796 Dec 03 j 09:19	0°♐	
evening set	-3796 Dec 07 j 04:05	2°♐57'25	
	-3795 Jan 11 j 04:23	0°♑	
conjunction	-3795 Feb 09 j 11:50	21°♑59'44	-1°04'51
minimum elong	-3795 Feb 09 j 13:20	22°♑02'30	1°04'59
	-3795 Feb 20 j 09:34	0°♒	
max. Earth dist.	-3795 Mar 25 j 10:01	23°♒36'25	2.49037 AU
	-3795 Apr 03 j 14:12	0°♓	
morning rise	-3795 Apr 10 j 21:04	5°♓01'40	
	-3795 May 18 j 00:32	0°♈	
asc. node	-3795 Jun 29 j 20:43	27°♈31'50	
	-3795 Jul 03 j 19:25	0°♉	
	-3795 Aug 22 j 12:26	0°♊	
	-3795 Oct 17 j 19:45	0°♋	
retrograde	-3795 Dec 22 j 13:42	18°♋45'53	
opposition	-3794 Jan 28 j 22:41	10°♋27'07	5°05'54
greatest brilliancy	-3794 Jan 30 j 00:10	10°♋02'52	-1.6m
min. Earth dist.	-3794 Feb 04 j 04:28	8°♋04'54	0.59691 AU
direct	-3794 Mar 10 j 14:34	0°♋40'19	
	-3794 May 31 j 00:41	0°♌	
desc. node	-3794 Jul 05 j 12:35	22°♌25'51	
	-3794 Jul 16 j 13:52	0°♍	
	-3794 Aug 26 j 21:43	0°♎	
	-3794 Oct 05 j 02:51	0°♏	
	-3794 Nov 12 j 19:43	0°♐	
	-3794 Dec 22 j 03:12	0°♑	
	-3793 Jan 31 j 20:57	0°♒	
evening set	-3793 Feb 08 j 07:03	5°♒19'21	
	-3793 Mar 15 j 12:22	0°♓	
conjunction	-3793 Apr 04 j 21:50	13°♓52'19	-0°24'29
minimum elong	-3793 Apr 04 j 23:00	13°♓54'17	0°24'32
max. Earth dist.	-3793 Apr 28 j 13:11	29°♓37'04	2.60073 AU
	-3793 Apr 29 j 03:06	0°♈	
asc. node	-3793 May 17 j 19:08	12°♈12'35	
morning rise	-3793 May 26 j 05:36	17°♈40'20	
	-3793 Jun 14 j 10:43	0°♉	
	-3793 Aug 01 j 02:42	0°♊	
	-3793 Sep 19 j 05:30	0°♋	
	-3793 Nov 10 j 13:06	0°♌	
	-3792 Jan 19 j 14:53	0°♍	
retrograde	-3792 Feb 11 j 16:08	2°♍59'01	
	-3792 Mar 04 j 15:41	30°℞♌	
opposition	-3792 Mar 16 j 17:23	26°♌17'11	3°40'44
greatest brilliancy	-3792 Mar 17 j 23:04	25°♌52'12	-2.3m
min. Earth dist.	-3792 Mar 25 j 06:28	23°♌25'43	0.47694 AU
direct	-3792 Apr 23 j 02:54	18°♌05'49	
desc. node	-3792 May 22 j 13:12	23°♌30'21	
	-3792 Jun 07 j 12:18	0°♍	
	-3792 Jul 28 j 18:29	0°♎	
	-3792 Sep 09 j 06:41	0°♏	
	-3792 Oct 19 j 21:23	0°♐	
	-3792 Nov 29 j 15:41	0°♑	
	-3791 Jan 10 j 14:18	0°♒	
	-3791 Feb 23 j 05:01	0°♓	
evening set	-3791 Mar 28 j 00:07	21°♓49'44	
asc. node	-3791 Apr 03 j 16:17	26°♓12'29	
	-3791 Apr 09 j 11:34	0°♈	
conjunction	-3791 May 16 j 15:22	24°♈00'59	0°23'53
minimum elong	-3791 May 16 j 14:29	23°♈59'34	0°23'56
max. Earth dist.	-3791 May 23 j 10:28	28°♈22'18	2.66115 AU
	-3791 May 25 j 23:31	0°♉	
morning rise	-3791 Jul 02 j 06:48	23°♉47'31	
	-3791 Jul 12 j 00:54	0°♊	
	-3791 Aug 28 j 02:27	0°♋	
	-3791 Oct 14 j 01:15	0°♌	
	-3791 Nov 30 j 08:32	0°♍	
	-3790 Jan 18 j 13:24	0°♎	
	-3790 Mar 18 j 18:28	0°♏	
desc. node	-3790 Apr 09 j 13:43	6°♏26'35	
retrograde	-3790 Apr 25 j 22:30	8°♏04'45	
opposition	-3790 May 26 j 08:30	3°♏02'31	-3°23'45
greatest brilliancy	-3790 May 26 j 10:00	3°♏01'32	-2.9m
min. Earth dist.	-3790 May 27 j 14:43	2°♏42'27	0.37852 AU
	-3790 Jun 07 j 13:00	30°℞♎	
direct	-3790 Jun 25 j 20:13	27°♎52'34	
	-3790 Jul 14 j 01:25	0°♏	
	-3790 Sep 17 j 00:37	0°♐	
	-3790 Nov 03 j 07:53	0°♑	
	-3790 Dec 18 j 20:23	0°♒	
	-3789 Feb 02 j 17:01	0°♓	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

asc. node	-3789 Feb 19 j 13:36	10°♓53'45	
	-3789 Mar 21 j 09:14	0°♈	
evening set	-3789 May 07 j 17:30	0°♉04'23	
	-3789 May 07 j 14:44	0°♉	
max. Earth dist.	-3789 Jun 16 j 02:50	25°♉07'31	2.66729 AU
conjunction	-3789 Jun 23 j 15:25	29°♉56'17	0°58'57
minimum elong	-3789 Jun 23 j 14:14	29°♉54'23	0°59'05
	-3789 Jun 23 j 17:44	0°♊	
morning rise	-3789 Aug 07 j 19:50	29°♊10'50	
	-3789 Aug 09 j 01:52	0°♋	
	-3789 Sep 23 j 05:37	0°♌	
	-3789 Nov 06 j 03:38	0°♍	
	-3789 Dec 19 j 01:09	0°♎	
	-3788 Jan 30 j 09:10	0°♏	
desc. node	-3788 Feb 25 j 14:06	18°♏28'46	
	-3788 Mar 13 j 05:13	0°♐	
	-3788 Apr 28 j 19:30	0°♑	
retrograde	-3788 Jul 04 j 16:57	23°♑49'40	
min. Earth dist.	-3788 Aug 01 j 01:32	18°♑47'00	0.44222 AU
greatest brilliancy	-3788 Aug 07 j 12:25	16°♑38'26	-2.5m
opposition	-3788 Aug 09 j 01:43	16°♑07'10	-6°04'33
direct	-3788 Sep 10 j 01:47	9°♑49'30	
	-3788 Nov 14 j 19:28	0°♒	
asc. node	-3787 Jan 06 j 12:20	28°♒51'12	
	-3787 Jan 08 j 11:35	0°♓	
	-3787 Feb 27 j 17:33	0°♈	
	-3787 Apr 17 j 15:40	0°♉	
	-3787 Jun 04 j 10:31	0°♊	
evening set	-3787 Jun 14 j 00:40	6°♊07'52	
max. Earth dist.	-3787 Jul 10 j 00:45	22°♊58'57	2.62007 AU
	-3787 Jul 20 j 16:39	0°♋	
conjunction	-3787 Jul 30 j 20:28	6°♋44'52	1°10'57
minimum elong	-3787 Jul 30 j 20:36	6°♋45'06	1°11'07
	-3787 Sep 03 j 02:51	0°♌	
morning rise	-3787 Sep 15 j 19:00	8°♌47'59	
	-3787 Oct 15 j 16:53	0°♍	
	-3787 Nov 25 j 17:31	0°♎	
	-3786 Jan 04 j 16:13	0°♏	
desc. node	-3786 Jan 12 j 14:37	6°♏00'39	
	-3786 Feb 13 j 05:55	0°♐	
	-3786 Mar 25 j 11:05	0°♑	
	-3786 May 07 j 01:37	0°♒	
	-3786 Jun 25 j 22:54	0°♓	
retrograde	-3786 Aug 21 j 06:56	16°♓58'13	
min. Earth dist.	-3786 Sep 23 j 00:21	9°♓44'33	0.56564 AU
opposition	-3786 Sep 29 j 07:50	7°♓16'35	-2°23'33
greatest brilliancy	-3786 Sep 28 j 19:43	7°♓28'25	-1.8m
	-3786 Oct 23 j 14:24	30°℞♒	
direct	-3786 Nov 04 j 11:41	29°♒02'57	
	-3786 Nov 17 j 00:45	0°♓	
asc. node	-3786 Nov 24 j 11:55	1°♓22'14	
	-3785 Feb 02 j 04:42	0°♈	
	-3785 Mar 27 j 20:55	0°♉	
	-3785 May 16 j 09:40	0°♊	
	-3785 Jul 02 j 04:16	0°♋	
evening set	-3785 Jul 24 j 08:03	14°♋48'52	
max. Earth dist.	-3785 Aug 09 j 23:03	26°♋11'53	2.52392 AU
	-3785 Aug 15 j 10:26	0°♌	
conjunction	-3785 Sep 12 j 08:17	19°♌46'41	0°48'59
minimum elong	-3785 Sep 12 j 10:06	19°♌49'56	0°49'04
	-3785 Sep 26 j 10:03	0°♍	
morning rise	-3785 Nov 05 j 03:01	29°♍38'50	
	-3785 Nov 05 j 14:10	0°♎	
desc. node	-3785 Nov 30 j 12:47	19°♎07'09	
	-3785 Dec 14 j 14:02	0°♏	
	-3784 Jan 22 j 04:15	0°♐	
	-3784 Mar 01 j 05:47	0°♑	
	-3784 Apr 10 j 18:46	0°♒	
	-3784 May 24 j 03:46	0°♓	
	-3784 Jul 12 j 08:15	0°♈	
retrograde	-3784 Sep 26 j 18:44	26°♈03'15	
asc. node	-3784 Oct 11 j 12:27	24°♈33'10	
min. Earth dist.	-3784 Nov 03 j 00:42	17°♈13'41	0.64869 AU
opposition	-3784 Nov 05 j 19:12	16°♈06'44	0°58'31
greatest brilliancy	-3784 Nov 05 j 16:20	16°♈09'37	-1.5m
direct	-3784 Dec 14 j 22:44	6°♈46'50	
	-3783 Feb 28 j 08:59	0°♉	
	-3783 Apr 24 j 08:19	0°♊	
	-3783 Jun 11 j 18:41	0°♋	
	-3783 Jul 26 j 10:52	0°♌	
	-3783 Sep 06 j 07:10	0°♍	
evening set	-3783 Sep 09 j 07:35	2°♍13'43	
max. Earth dist.	-3783 Oct 03 j 07:35	20°♍14'21	2.40130 AU
	-3783 Oct 16 j 02:01	0°♎	
desc. node	-3783 Oct 17 j 09:51	1°♎01'13	
conjunction	-3783 Nov 06 j 13:13	16°♎37'53	-0°14'19
minimum elong	-3783 Nov 06 j 12:04	16°♎35'39	0°14'21
behind sun begin	-3783 Nov 05 j 23:16	16°♎10'41	
behind sun end	-3783 Nov 07 j 00:53	17°♎00'37	
	-3783 Nov 23 j 15:06	0°♏	
	-3783 Dec 31 j 19:36	0°♐	
morning rise	-3782 Jan 11 j 15:00	8°♐26'45	
	-3782 Feb 08 j 12:41	0°♑	
	-3782 Mar 20 j 14:37	0°♒	
	-3782 May 01 j 20:40	0°♓	
	-3782 Jun 16 j 04:37	0°♈	
	-3782 Aug 05 j 17:58	0°♉	
asc. node	-3782 Aug 29 j 13:24	12°♉10'46	
	-3782 Oct 26 j 05:59	0°♊	
retrograde	-3782 Oct 31 j 12:16	0°♊10'20	
	-3782 Nov 05 j 15:45	30°℞♉	
opposition	-3782 Dec 10 j 04:25	20°♉38'01	3°25'24
greatest brilliancy	-3782 Dec 10 j 05:40	20°♉36'47	-1.3m
min. Earth dist.	-3782 Dec 11 j 04:25	20°♉14'02	0.67149 AU
direct	-3781 Jan 20 j 00:16	10°♉43'48	
	-3781 Mar 27 j 12:28	0°♊	
	-3781 May 20 j 22:36	0°♋	
	-3781 Jul 06 j 06:34	0°♌	
	-3781 Aug 17 j 14:00	0°♍	
desc. node	-3781 Sep 04 j 07:22	13°♍10'33	
	-3781 Sep 26 j 09:35	0°♎	
	-3781 Nov 03 j 20:16	0°♏	
evening set	-3781 Nov 10 j 21:32	5°♏33'22	
	-3781 Dec 11 j 22:44	0°♐	
conjunction	-3780 Jan 15 j 16:02	26°♐57'15	-1°06'54
minimum elong	-3780 Jan 15 j 15:09	26°♐55'35	1°07'04
	-3780 Jan 19 j 15:35	0°♑	
	-3780 Feb 28 j 18:01	0°♒	
max. Earth dist.	-3780 Mar 04 j 17:42	3°♒38'08	2.43836 AU
morning rise	-3780 Mar 20 j 08:18	14°♒52'15	
	-3780 Apr 10 j 20:38	0°♓	
	-3780 May 25 j 08:17	0°♈	
	-3780 Jul 11 j 14:19	0°♉	
asc. node	-3780 Jul 16 j 12:41	3°♉00'52	
	-3780 Sep 01 j 00:54	0°♊	
	-3780 Nov 07 j 11:09	0°♋	
retrograde	-3780 Dec 06 j 10:25	4°♋29'44	
	-3779 Jan 02 j 00:03	30°℞♊	
opposition	-3779 Jan 13 j 16:40	25°♊44'54	4°53'31

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

greatest brilliancy	-3779 Jan 14 j 10:34	25°♊27'30	-1.5m
min. Earth dist.	-3779 Jan 18 j 12:05	23°♊52'53	0.63024 AU
direct	-3779 Feb 23 j 18:36	15°♊46'53	
	-3779 Apr 18 j 13:31	0°♋	
	-3779 Jun 11 j 14:36	0°♌	
desc. node	-3779 Jul 22 j 05:49	27°♌21'15	
	-3779 Jul 25 j 23:07	0°♍	
	-3779 Sep 04 j 13:08	0°♎	
	-3779 Oct 13 j 09:02	0°♏	
	-3779 Nov 20 j 18:50	0°♐	
	-3779 Dec 29 j 19:38	0°♑	
evening set	-3778 Jan 16 j 14:28	13°♑20'49	
	-3778 Feb 08 j 06:40	0°♒	
conjunction	-3778 Mar 16 j 14:37	25°♒47'50	-0°43'15
minimum elong	-3778 Mar 16 j 16:38	25°♒51'21	0°43'19
	-3778 Mar 22 j 16:13	0°♓	
max. Earth dist.	-3778 Apr 17 j 02:12	17°♓18'49	2.56294 AU
	-3778 May 06 j 03:28	0°♈	
morning rise	-3778 May 09 j 21:16	2°♈27'52	
asc. node	-3778 Jun 03 j 10:33	18°♈26'10	
	-3778 Jun 21 j 12:52	0°♉	
	-3778 Aug 08 j 17:24	0°♊	
	-3778 Sep 28 j 11:14	0°♋	
	-3778 Nov 25 j 22:18	0°♌	
retrograde	-3777 Jan 20 j 15:34	14°♌19'39	
opposition	-3777 Feb 25 j 05:02	6°♌53'49	4°41'35
greatest brilliancy	-3777 Feb 26 j 14:02	6°♌24'10	-2.0m
min. Earth dist.	-3777 Mar 05 j 06:51	4°♌00'40	0.52816 AU
	-3777 Mar 18 j 14:17	30°℞♋	
direct	-3777 Apr 05 j 08:31	27°♋50'34	
	-3777 Apr 23 j 19:15	0°♌	
desc. node	-3777 Jun 09 j 04:57	19°♌09'55	
	-3777 Jun 27 j 15:02	0°♍	
	-3777 Aug 11 j 00:18	0°♎	
	-3777 Sep 20 j 13:10	0°♏	
	-3777 Oct 30 j 02:15	0°♐	
	-3777 Dec 09 j 02:10	0°♑	
	-3776 Jan 19 j 10:02	0°♒	
	-3776 Mar 02 j 13:06	0°♓	
evening set	-3776 Mar 10 j 09:27	5°♓19'25	
	-3776 Apr 16 j 11:31	0°♈	
asc. node	-3776 Apr 20 j 08:30	2°♈32'16	
conjunction	-3776 Apr 30 j 21:59	9°♈25'22	0°06'05
minimum elong	-3776 Apr 30 j 21:44	9°♈24'58	0°06'06
behind sun begin	-3776 Apr 30 j 02:31	8°♈53'46	
behind sun end	-3776 May 01 j 16:56	9°♈56'10	
max. Earth dist.	-3776 May 13 j 20:00	17°♈47'21	2.64397 AU
	-3776 Jun 01 j 20:06	0°♉	
morning rise	-3776 Jun 17 j 22:54	10°♉17'18	
	-3776 Jul 19 j 00:45	0°♊	
	-3776 Sep 04 j 16:05	0°♋	
	-3776 Oct 22 j 23:10	0°♌	
	-3776 Dec 12 j 08:44	0°♍	
	-3775 Feb 10 j 07:16	0°♎	
retrograde	-3775 Mar 25 j 06:26	9°♎32'41	
opposition	-3775 Apr 25 j 13:41	4°♎06'47	0°02'58
greatest brilliancy	-3776 Jul 20 j 06:18	0°♊46'42	1.8m
desc. node	-3775 Apr 26 j 06:30	3°♎54'36	
min. Earth dist.	-3775 May 01 j 11:54	2°♎24'08	0.40312 AU
	-3775 May 10 j 20:26	30°℞♍	
direct	-3775 May 28 j 18:30	27°♍53'57	
	-3775 Jun 15 j 11:35	0°♎	
	-3775 Aug 17 j 22:32	0°♏	
	-3775 Oct 02 j 04:39	0°♐	
	-3775 Nov 14 j 09:46	0°♑	
	-3775 Dec 27 j 22:43	0°♒	
	-3774 Feb 10 j 15:42	0°♓	
asc. node	-3774 Mar 08 j 05:08	16°♓46'01	
	-3774 Mar 28 j 15:21	0°♈	
evening set	-3774 Apr 22 j 11:42	15°♈56'59	
	-3774 May 14 j 12:05	0°♉	
max. Earth dist.	-3774 Jun 07 j 03:03	15°♉03'07	2.67141 AU
conjunction	-3774 Jun 09 j 03:00	16°♉19'32	0°47'37
minimum elong	-3774 Jun 09 j 01:43	16°♉17'29	0°47'42
	-3774 Jun 30 j 12:53	0°♊	
morning rise	-3774 Jul 24 j 12:20	15°♊23'46	
	-3774 Aug 16 j 01:50	0°♋	
	-3774 Sep 30 j 18:27	0°♌	
	-3774 Nov 14 j 15:01	0°♍	
	-3774 Dec 28 j 23:32	0°♎	
	-3773 Feb 11 j 14:29	0°♏	
desc. node	-3773 Mar 14 j 07:54	19°♏51'17	
	-3773 Mar 31 j 01:49	0°♐	
retrograde	-3773 Jun 11 j 10:48	26°♐29'30	
min. Earth dist.	-3773 Jul 08 j 03:42	22°♐01'33	0.39928 AU
greatest brilliancy	-3773 Jul 13 j 00:30	20°♐35'22	-2.7m
opposition	-3773 Jul 14 j 09:05	20°♐11'12	-6°30'58
direct	-3773 Aug 13 j 15:48	14°♐46'43	
	-3773 Oct 07 j 04:24	0°♑	
	-3773 Dec 01 j 02:10	0°♒	
	-3772 Jan 19 j 09:31	0°♓	
asc. node	-3772 Jan 24 j 02:45	2°♓54'53	
	-3772 Mar 07 j 18:29	0°♈	
	-3772 Apr 24 j 20:40	0°♉	
evening set	-3772 May 30 j 04:30	22°♉16'33	
	-3772 Jun 11 j 07:29	0°♊	
max. Earth dist.	-3772 Jun 29 j 23:11	11°♊59'28	2.64473 AU
conjunction	-3772 Jul 15 j 17:18	22°♊13'54	1°09'40
minimum elong	-3772 Jul 15 j 16:46	22°♊13'02	1°09'49
	-3772 Jul 27 j 13:10	0°♋	
morning rise	-3772 Aug 30 j 12:11	22°♋42'56	
	-3772 Sep 10 j 04:42	0°♌	
	-3772 Oct 23 j 04:44	0°♍	
	-3772 Dec 03 j 18:57	0°♎	
	-3771 Jan 13 j 09:34	0°♏	
desc. node	-3771 Jan 29 j 07:14	11°♏50'28	
	-3771 Feb 22 j 17:42	0°♐	
	-3771 Apr 05 j 01:36	0°♑	
	-3771 May 20 j 06:59	0°♒	
retrograde	-3771 Aug 04 j 12:53	28°♒48'58	
min. Earth dist.	-3771 Sep 04 j 03:37	22°♒23'54	0.51937 AU
opposition	-3771 Sep 11 j 13:56	19°♒36'10	-3°54'45
greatest brilliancy	-3771 Sep 10 j 15:00	19°♒57'48	-2.1m
direct	-3771 Oct 16 j 04:58	12°♒01'15	
asc. node	-3771 Dec 11 j 02:59	26°♒54'29	
	-3771 Dec 17 j 22:19	0°♓	
	-3770 Feb 12 j 21:07	0°♈	
	-3770 Apr 05 j 00:08	0°♉	
	-3770 May 23 j 16:05	0°♊	
evening set	-3770 Jul 08 j 03:02	29°♊18'24	
	-3770 Jul 09 j 04:13	0°♋	
max. Earth dist.	-3770 Jul 27 j 18:01	12°♋24'00	2.56672 AU
	-3770 Aug 22 j 11:04	0°♌	
conjunction	-3770 Aug 25 j 09:46	2°♌02'59	1°02'21
minimum elong	-3770 Aug 25 j 11:05	2°♌05'18	1°02'29
	-3770 Oct 03 j 15:15	0°♍	
morning rise	-3770 Oct 14 j 17:13	8°♍06'29	
	-3770 Nov 13 j 01:58	0°♎	
desc. node	-3770 Dec 17 j 06:05	26°♎03'31	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3770 Dec 22 j 08:58	0°♏	
	-3769 Jan 30 j 05:55	0°♐	
	-3769 Mar 10 j 14:28	0°♑	
	-3769 Apr 20 j 14:16	0°♒	
	-3769 Jun 04 j 02:58	0°♓	
	-3769 Jul 28 j 14:27	0°♈	
retrograde	-3769 Sep 13 j 19:46	11°♈57'39	
min. Earth dist.	-3769 Oct 19 j 10:59	3°♈41'28	0.62292 AU
opposition	-3769 Oct 23 j 16:05	2°♈00'13	-0°13'18
greatest brilliancy	-3769 Oct 23 j 15:24	2°♈00'53	-1.6m
	-3769 Oct 28 j 18:19	30°℞♓	
asc. node	-3769 Oct 29 j 03:55	29°♓50'49	
direct	-3769 Nov 30 j 19:25	23°♓01'46	
	-3768 Jan 06 j 15:29	0°♈	
	-3768 Mar 11 j 15:41	0°♉	
	-3768 May 02 j 15:26	0°♊	
	-3768 Jun 19 j 05:49	0°♋	
	-3768 Aug 02 j 16:43	0°♌	
evening set	-3768 Aug 20 j 05:57	12°♌22'34	
max. Earth dist.	-3768 Sep 05 j 04:25	23°♌51'54	2.44869 AU
	-3768 Sep 13 j 13:32	0°♍	
conjunction	-3768 Oct 13 j 14:08	22°♍27'48	0°14'24
minimum elong	-3768 Oct 13 j 15:05	22°♍29'36	0°14'25
behind sun begin	-3768 Oct 13 j 03:29	22°♍07'34	
behind sun end	-3768 Oct 14 j 02:42	22°♍51'38	
	-3768 Oct 23 j 11:17	0°♎	
desc. node	-3768 Nov 03 j 04:05	8°♎13'50	
	-3768 Dec 01 j 03:41	0°♏	
morning rise	-3768 Dec 13 j 21:17	9°♏58'32	
	-3767 Jan 08 j 10:45	0°♐	
	-3767 Feb 16 j 05:35	0°♑	
	-3767 Mar 28 j 09:26	0°♒	
	-3767 May 09 j 20:55	0°♓	
	-3767 Jun 25 j 00:27	0°♈	
	-3767 Aug 18 j 03:56	0°♉	
asc. node	-3767 Sep 15 j 04:08	11°♉24'33	
retrograde	-3767 Oct 18 j 00:33	17°♉18'23	
opposition	-3767 Nov 26 j 23:10	7°♉33'38	2°34'55
min. Earth dist.	-3767 Nov 26 j 11:27	7°♉45'23	0.67012 AU
greatest brilliancy	-3767 Nov 26 j 20:48	7°♉36'00	-1.3m
	-3767 Dec 19 j 00:18	30°℞♈	
direct	-3766 Jan 06 j 07:02	27°♈49'39	
	-3766 Jan 25 j 23:27	0°♉	
	-3766 Apr 08 j 15:07	0°♊	
	-3766 May 29 j 15:36	0°♋	
	-3766 Jul 14 j 02:54	0°♌	
	-3766 Aug 25 j 04:10	0°♍	
desc. node	-3766 Sep 21 j 00:52	20°♍07'16	
	-3766 Oct 03 j 22:34	0°♎	
evening set	-3766 Oct 15 j 14:34	9°♎01'45	
	-3766 Nov 11 j 09:28	0°♏	
conjunction	-3766 Dec 18 j 21:25	29°♏31'42	-0°55'05
minimum elong	-3766 Dec 18 j 18:18	29°♏25'34	0°55'10
	-3766 Dec 19 j 11:51	0°♐	
	-3765 Jan 27 j 03:45	0°♑	
max. Earth dist.	-3765 Jan 28 j 11:32	1°♑00'44	2.38987 AU
morning rise	-3765 Feb 24 j 16:23	21°♑30'40	
	-3765 Mar 08 j 04:37	0°♒	
	-3765 Apr 19 j 06:23	0°♓	
	-3765 Jun 02 j 21:52	0°♈	
	-3765 Jul 20 j 22:07	0°♉	
asc. node	-3765 Aug 03 j 04:13	7°♉47'12	
	-3765 Sep 13 j 12:12	0°♊	
retrograde	-3765 Nov 22 j 11:27	20°♊59'15	
opposition	-3765 Dec 31 j 10:23	11°♊52'46	4°27'23
greatest brilliancy	-3765 Dec 31 j 20:51	11°♊42'27	-1.4m
min. Earth dist.	-3764 Jan 03 j 18:08	10°♊34'11	0.65419 AU
direct	-3764 Feb 10 j 14:53	1°♊51'35	
	-3764 May 03 j 00:13	0°♋	
	-3764 Jun 21 j 07:42	0°♌	
	-3764 Aug 03 j 13:05	0°♍	
desc. node	-3764 Aug 07 j 23:15	3°♍13'09	
	-3764 Sep 12 j 16:48	0°♎	
	-3764 Oct 21 j 07:16	0°♏	
	-3764 Nov 28 j 12:40	0°♐	
evening set	-3764 Dec 22 j 09:25	18°♐31'49	
	-3763 Jan 06 j 08:59	0°♑	
	-3763 Feb 15 j 15:21	0°♒	
conjunction	-3763 Feb 23 j 00:02	5°♒20'24	-0°58'49
minimum elong	-3763 Feb 23 j 02:09	5°♒24'14	0°58'57
	-3763 Mar 29 j 20:42	0°♓	
max. Earth dist.	-3763 Apr 03 j 15:00	3°♓17'23	2.51813 AU
morning rise	-3763 Apr 22 j 00:01	15°♓49'12	
	-3763 May 13 j 06:13	0°♈	
asc. node	-3763 Jun 20 j 02:49	24°♈29'41	
	-3763 Jun 28 j 19:55	0°♉	
	-3763 Aug 16 j 19:44	0°♊	
	-3763 Oct 09 j 07:51	0°♋	
retrograde	-3762 Jan 01 j 11:11	27°♋51'13	
opposition	-3762 Feb 07 j 06:43	19°♋49'07	5°04'08
greatest brilliancy	-3762 Feb 08 j 11:46	19°♋21'55	-1.7m
min. Earth dist.	-3762 Feb 14 j 06:05	17°♋12'57	0.57483 AU
direct	-3762 Mar 19 j 13:25	10°♋13'28	
	-3762 May 21 j 22:24	0°♌	
desc. node	-3762 Jun 25 j 23:26	20°♌40'15	
	-3762 Jul 10 j 02:22	0°♍	
	-3762 Aug 21 j 04:23	0°♎	
	-3762 Sep 29 j 17:56	0°♏	
	-3762 Nov 07 j 15:55	0°♐	
	-3762 Dec 17 j 03:28	0°♑	
	-3761 Jan 27 j 00:35	0°♒	
evening set	-3761 Feb 20 j 04:14	17°♒07'01	
	-3761 Mar 10 j 18:40	0°♓	
conjunction	-3761 Apr 15 j 03:53	23°♓51'16	-0°13'09
minimum elong	-3761 Apr 15 j 04:29	23°♓52'16	0°13'10
behind sun begin	-3761 Apr 14 j 16:30	23°♓32'23	
behind sun end	-3761 Apr 15 j 16:29	24°♓12'09	
	-3761 Apr 24 j 11:01	0°♈	
max. Earth dist.	-3761 May 04 j 20:14	6°♈48'39	2.61845 AU
asc. node	-3761 May 07 j 23:42	8°♈51'46	
morning rise	-3761 Jun 04 j 03:06	26°♈24'12	
	-3761 Jun 09 j 17:58	0°♉	
	-3761 Jul 27 j 04:29	0°♊	
	-3761 Sep 13 j 15:33	0°♋	
	-3761 Nov 03 j 01:17	0°♌	
	-3761 Dec 30 j 08:59	0°♍	
retrograde	-3760 Feb 25 j 21:24	15°♍21'10	
opposition	-3760 Mar 29 j 21:53	9°♍06'50	2°41'02
greatest brilliancy	-3760 Mar 30 j 20:17	8°♍48'53	-2.4m
min. Earth dist.	-3760 Apr 07 j 03:07	6°♍29'27	0.44851 AU
direct	-3760 May 05 j 00:53	1°♍33'42	
desc. node	-3760 May 12 j 23:14	1°♍59'31	
	-3760 Jul 19 j 04:07	0°♎	
	-3760 Sep 02 j 01:32	0°♏	
	-3760 Oct 13 j 16:20	0°♐	
	-3760 Nov 24 j 01:11	0°♑	
	-3759 Jan 05 j 09:49	0°♒	
	-3759 Feb 18 j 07:25	0°♓	
asc. node	-3759 Mar 24 j 21:28	22°♓54'14	
	-3759 Apr 04 j 18:29	0°♈	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

evening set	-3759 Apr 06 j 13:04	1°♈09'13	
	-3759 May 21 j 08:36	0°♉	
conjunction	-3759 May 25 j 08:25	2°♉33'05	0°33'21
minimum elong	-3759 May 25 j 07:18	2°♉31'19	0°33'24
max. Earth dist.	-3759 May 28 j 22:42	4°♉50'52	2.66710 AU
	-3759 Jul 07 j 09:07	0°♊	
morning rise	-3759 Jul 10 j 10:02	1°♊56'20	
	-3759 Aug 23 j 05:28	0°♋	
	-3759 Oct 08 j 15:36	0°♌	
	-3759 Nov 23 j 20:49	0°♍	
	-3758 Jan 09 j 16:16	0°♎	
	-3758 Feb 28 j 15:14	0°♏	
desc. node	-3758 Mar 30 j 23:48	15°♏12'53	
retrograde	-3758 May 13 j 18:48	25°♏55'10	
min. Earth dist.	-3758 Jun 11 j 18:33	21°♏10'30	0.37757 AU
opposition	-3758 Jun 13 j 13:21	20°♏41'46	-5°05'39
greatest brilliancy	-3758 Jun 13 j 03:30	20°♏48'24	-2.9m
direct	-3758 Jul 13 j 11:49	15°♏42'27	
	-3758 Sep 02 j 20:25	0°♐	
	-3758 Oct 26 j 02:52	0°♑	
	-3758 Dec 12 j 12:36	0°♒	
	-3757 Jan 28 j 06:39	0°♓	
asc. node	-3757 Feb 09 j 19:17	7°♓59'58	
	-3757 Mar 16 j 10:26	0°♈	
	-3757 May 02 j 22:01	0°♉	
evening set	-3757 May 16 j 08:06	8°♉29'29	
	-3757 Jun 19 j 03:13	0°♊	
max. Earth dist.	-3757 Jun 21 j 13:50	1°♊33'50	2.66148 AU
conjunction	-3757 Jul 02 j 00:15	8°♊16'03	1°04'00
minimum elong	-3757 Jul 01 j 23:15	8°♊14'25	1°04'08
	-3757 Aug 04 j 10:25	0°♋	
morning rise	-3757 Aug 16 j 06:25	7°♋48'14	
	-3757 Sep 18 j 09:37	0°♌	
	-3757 Oct 31 j 23:11	0°♍	
	-3757 Dec 13 j 07:55	0°♎	
	-3756 Jan 23 j 21:48	0°♏	
desc. node	-3756 Feb 16 j 00:41	16°♏43'43	
	-3756 Mar 05 j 12:38	0°♐	
	-3756 Apr 18 j 04:07	0°♑	
	-3756 Jun 11 j 13:12	0°♒	
retrograde	-3756 Jul 16 j 16:45	7°♒48'04	
min. Earth dist.	-3756 Aug 14 j 03:06	2°♒16'22	0.46938 AU
	-3756 Aug 20 j 14:26	30°℞♑	
greatest brilliancy	-3756 Aug 20 j 19:04	29°♑55'53	-2.3m
opposition	-3756 Aug 22 j 04:42	29°♑26'07	-5°23'30
direct	-3756 Sep 24 j 04:00	22°♑38'45	
	-3756 Oct 30 j 17:44	0°♒	
asc. node	-3756 Dec 27 j 18:08	27°♒32'37	
	-3755 Jan 01 j 05:07	0°♓	
	-3755 Feb 22 j 02:37	0°♈	
	-3755 Apr 12 j 16:19	0°♉	
	-3755 May 30 j 17:49	0°♊	
evening set	-3755 Jun 22 j 16:30	14°♊42'06	
max. Earth dist.	-3755 Jul 16 j 05:16	0°♋05'18	2.60292 AU
	-3755 Jul 16 j 02:03	0°♋	
conjunction	-3755 Aug 08 j 21:15	15°♋55'09	1°09'25
minimum elong	-3755 Aug 08 j 21:50	15°♋56'07	1°09'35
	-3755 Aug 29 j 11:09	0°♌	
morning rise	-3755 Sep 25 j 18:51	19°♌09'48	
	-3755 Oct 10 j 21:47	0°♍	
	-3755 Nov 20 j 17:19	0°♎	
	-3755 Dec 30 j 10:06	0°♏	
desc. node	-3754 Jan 02 j 23:20	2°♏42'31	
	-3754 Feb 07 j 16:48	0°♐	
	-3754 Mar 19 j 12:29	0°♑	
	-3754 Apr 30 j 07:33	0°♒	
	-3754 Jun 16 j 05:14	0°♓	
retrograde	-3754 Aug 30 j 03:21	26°♓45'26	
min. Earth dist.	-3754 Oct 02 j 22:59	19°♓08'12	0.58816 AU
opposition	-3754 Oct 08 j 13:37	16°♓55'07	-1°33'39
greatest brilliancy	-3754 Oct 08 j 06:35	17°♓02'04	-1.7m
direct	-3754 Nov 14 j 11:58	8°♓23'48	
asc. node	-3754 Nov 14 j 18:34	8°♓23'50	
	-3753 Jan 24 j 23:57	0°♈	
	-3753 Mar 22 j 03:37	0°♉	
	-3753 May 11 j 10:02	0°♊	
	-3753 Jun 27 j 11:21	0°♋	
evening set	-3753 Aug 03 j 01:24	24°♋37'49	
	-3753 Aug 10 j 19:25	0°♌	
max. Earth dist.	-3753 Aug 18 j 13:18	5°♌25'16	2.49776 AU
	-3753 Sep 21 j 18:12	0°♍	
conjunction	-3753 Sep 23 j 09:16	1°♍11'42	0°38'15
minimum elong	-3753 Sep 23 j 11:04	1°♍15'01	0°38'18
	-3753 Oct 31 j 19:58	0°♎	
morning rise	-3753 Nov 18 j 15:16	13°♎39'35	
desc. node	-3753 Nov 20 j 21:25	15°♎24'07	
	-3753 Dec 09 j 17:00	0°♏	
	-3752 Jan 17 j 04:09	0°♐	
	-3752 Feb 25 j 02:27	0°♑	
	-3752 Apr 05 j 10:46	0°♒	
	-3752 May 18 j 08:42	0°♓	
	-3752 Jul 04 j 23:39	0°♈	
	-3752 Sep 07 j 13:05	0°♉	
asc. node	-3752 Oct 01 j 19:19	4°♉09'47	
retrograde	-3752 Oct 04 j 13:40	4°♉12'48	
	-3752 Oct 29 j 14:12	30°℞♈	
min. Earth dist.	-3752 Nov 11 j 15:55	25°♈06'49	0.65908 AU
opposition	-3752 Nov 13 j 15:08	24°♈19'17	1°36'20
greatest brilliancy	-3752 Nov 13 j 11:35	24°♈22'52	-1.4m
direct	-3752 Dec 23 j 06:28	14°♈49'42	
	-3751 Feb 19 j 08:22	0°♉	
	-3751 Apr 18 j 12:14	0°♊	
	-3751 Jun 06 j 17:25	0°♋	
	-3751 Jul 21 j 16:15	0°♌	
	-3751 Sep 01 j 14:38	0°♍	
evening set	-3751 Sep 21 j 15:32	14°♍56'46	
desc. node	-3751 Oct 07 j 19:47	27°♍15'31	
	-3751 Oct 11 j 09:27	0°♎	
max. Earth dist.	-3751 Oct 30 j 13:00	14°♎50'16	2.38135 AU
	-3751 Nov 18 j 21:36	0°♏	
conjunction	-3751 Nov 21 j 06:21	1°♏51'33	-0°30'49
minimum elong	-3751 Nov 21 j 03:53	1°♏46'43	0°30'52
	-3751 Dec 27 j 00:44	0°♐	
morning rise	-3750 Jan 28 j 01:12	24°♐54'26	
	-3750 Feb 03 j 16:28	0°♑	
	-3750 Mar 15 j 16:53	0°♒	
	-3750 Apr 26 j 19:40	0°♓	
	-3750 Jun 10 j 18:55	0°♈	
	-3750 Jul 30 j 01:44	0°♉	
asc. node	-3750 Aug 19 j 18:32	11°♉20'54	
	-3750 Sep 29 j 22:34	0°♊	
retrograde	-3750 Nov 08 j 09:19	7°♊59'51	
	-3750 Dec 14 j 07:27	30°℞♉	
opposition	-3750 Dec 17 j 20:39	28°♉35'44	3°50'49
greatest brilliancy	-3750 Dec 18 j 00:45	28°♉31'39	-1.3m
min. Earth dist.	-3750 Dec 19 j 16:25	27°♉52'11	0.66816 AU
direct	-3749 Jan 27 j 21:16	18°♉37'47	
	-3749 Mar 17 j 08:17	0°♊	
	-3749 May 14 j 19:40	0°♋	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3749 Jul 01 j 00:08	0°♌	
	-3749 Aug 12 j 14:49	0°♍	
desc. node	-3749 Aug 25 j 17:11	9°♍40'05	
	-3749 Sep 21 j 13:18	0°♎	
	-3749 Oct 30 j 01:18	0°♏	
evening set	-3749 Nov 26 j 06:08	21°♏25'06	
	-3749 Dec 07 j 04:22	0°♐	
	-3748 Jan 14 j 21:36	0°♑	
conjunction	-3748 Jan 30 j 13:40	11°♑52'17	-1°07'13
minimum elong	-3748 Jan 30 j 14:19	11°♑53'32	1°07'21
	-3748 Feb 24 j 00:21	0°♒	
max. Earth dist.	-3748 Mar 17 j 15:07	16°♒18'48	2.46719 AU
morning rise	-3748 Apr 01 j 22:16	27°♒05'37	
	-3748 Apr 06 j 02:27	0°♓	
	-3748 May 20 j 11:43	0°♈	
asc. node	-3748 Jul 06 j 17:38	0°♉13'06	
	-3748 Jul 06 j 09:12	0°♉	
	-3748 Aug 25 j 15:29	0°♊	
	-3748 Oct 23 j 18:31	0°♋	
retrograde	-3748 Dec 15 j 11:19	12°♋58'51	
opposition	-3747 Jan 22 j 06:47	4°♋27'39	5°02'15
greatest brilliancy	-3747 Jan 23 j 04:55	4°♋06'23	-1.5m
min. Earth dist.	-3747 Jan 27 j 21:35	2°♋18'22	0.61302 AU
	-3747 Feb 03 j 05:05	30°℞♊	
direct	-3747 Mar 04 j 04:33	24°♊34'44	
	-3747 Apr 04 j 05:41	0°♋	
	-3747 Jun 04 j 16:10	0°♌	
desc. node	-3747 Jul 12 j 15:24	24°♌43'54	
	-3747 Jul 20 j 04:47	0°♍	
	-3747 Aug 30 j 04:51	0°♎	
	-3747 Oct 08 j 05:56	0°♏	
	-3747 Nov 15 j 19:07	0°♐	
	-3747 Dec 24 j 22:42	0°♑	
evening set	-3746 Jan 29 j 18:34	26°♑33'46	
	-3746 Feb 03 j 12:18	0°♒	
	-3746 Mar 17 j 23:36	0°♓	
conjunction	-3746 Mar 27 j 20:30	6°♓46'15	-0°32'38
minimum elong	-3746 Mar 27 j 22:05	6°♓48'57	0°32'41
max. Earth dist.	-3746 Apr 23 j 23:54	25°♓02'41	2.58472 AU
	-3746 May 01 j 11:29	0°♈	
morning rise	-3746 May 19 j 09:48	11°♈44'50	
asc. node	-3746 May 24 j 16:27	15°♈10'15	
	-3746 Jun 16 j 18:31	0°♉	
	-3746 Aug 03 j 14:30	0°♊	
	-3746 Sep 22 j 07:11	0°♋	
	-3746 Nov 15 j 12:28	0°♌	
retrograde	-3745 Feb 01 j 16:21	25°♌01'12	
opposition	-3745 Mar 08 j 11:10	17°♌58'40	4°12'06
greatest brilliancy	-3745 Mar 09 j 19:30	17°♌30'35	-2.1m
min. Earth dist.	-3745 Mar 16 j 22:34	15°♌02'58	0.50026 AU
direct	-3745 Apr 15 j 18:23	9°♌21'12	
desc. node	-3745 May 30 j 15:41	20°♌52'22	
	-3745 Jun 17 j 15:24	0°♍	
	-3745 Aug 03 j 21:49	0°♎	
	-3745 Sep 14 j 09:34	0°♏	
	-3745 Oct 24 j 10:58	0°♐	
	-3745 Dec 03 j 19:19	0°♑	
	-3744 Jan 14 j 09:49	0°♒	
	-3744 Feb 26 j 17:46	0°♓	
evening set	-3744 Mar 20 j 14:58	15°♓21'49	
asc. node	-3744 Apr 10 j 13:32	29°♓10'49	
	-3744 Apr 11 j 19:35	0°♈	
conjunction	-3744 May 10 j 01:00	18°♈19'33	0°16'38
minimum elong	-3744 May 10 j 00:21	18°♈18'30	0°16'40
max. Earth dist.	-3744 May 19 j 10:45	24°♈22'44	2.65451 AU
	-3744 May 28 j 05:10	0°♉	
morning rise	-3744 Jun 26 j 05:56	18°♉31'15	
	-3744 Jul 14 j 07:27	0°♊	
	-3744 Aug 30 j 14:33	0°♋	
	-3744 Oct 17 j 01:49	0°♌	
	-3744 Dec 04 j 11:37	0°♍	
	-3743 Jan 25 j 14:07	0°♎	
retrograde	-3743 Apr 11 j 19:34	25°♎32'25	
desc. node	-3743 Apr 16 j 16:12	25°♎23'37	
opposition	-3743 May 12 j 11:30	20°♎25'04	-1°52'48
greatest brilliancy	-3743 May 12 j 16:19	20°♎21'46	-2.9m
min. Earth dist.	-3743 May 16 j 02:05	19°♎26'00	0.38626 AU
direct	-3743 Jun 12 j 23:57	14°♎52'23	
	-3743 Aug 04 j 00:39	0°♏	
	-3743 Sep 23 j 17:57	0°♐	
	-3743 Nov 07 j 18:31	0°♑	
	-3743 Dec 22 j 06:03	0°♒	
	-3742 Feb 05 j 12:08	0°♓	
asc. node	-3742 Feb 26 j 10:40	13°♓38'28	
	-3742 Mar 23 j 19:48	0°♈	
evening set	-3742 May 01 j 07:09	24°♈33'11	
	-3742 May 09 j 20:46	0°♉	
max. Earth dist.	-3742 Jun 12 j 10:57	21°♉22'43	2.67015 AU
conjunction	-3742 Jun 17 j 11:28	24°♉35'02	0°54'35
minimum elong	-3742 Jun 17 j 10:13	24°♉33'02	0°54'41
	-3742 Jun 25 j 22:42	0°♊	
morning rise	-3742 Aug 01 j 16:37	23°♊41'15	
	-3742 Aug 11 j 09:17	0°♋	
	-3742 Sep 25 j 18:48	0°♌	
	-3742 Nov 09 j 02:31	0°♍	
	-3742 Dec 22 j 13:55	0°♎	
	-3741 Feb 03 j 17:59	0°♏	
desc. node	-3741 Mar 04 j 16:30	19°♏49'04	
	-3741 Mar 19 j 23:49	0°♐	
	-3741 May 10 j 02:36	0°♑	
retrograde	-3741 Jun 25 j 18:17	12°♑53'17	
min. Earth dist.	-3741 Jul 22 j 12:45	8°♑09'55	0.42150 AU
greatest brilliancy	-3741 Jul 28 j 11:48	6°♑17'11	-2.6m
opposition	-3741 Jul 30 j 01:08	5°♑47'28	-6°26'02
	-3741 Aug 26 j 12:54	30°℞♐	
direct	-3741 Aug 30 j 06:02	29°♐54'32	
	-3741 Sep 02 j 23:47	0°♑	
	-3741 Nov 22 j 09:06	0°♒	
	-3740 Jan 13 j 04:18	0°♓	
asc. node	-3740 Jan 14 j 09:20	0°♓43'36	
	-3740 Mar 02 j 12:13	0°♈	
	-3740 Apr 20 j 00:57	0°♉	
	-3740 Jun 06 j 16:29	0°♊	
evening set	-3740 Jun 07 j 16:08	0°♊37'42	
max. Earth dist.	-3740 Jul 05 j 16:51	18°♊41'07	2.63215 AU
	-3740 Jul 22 j 23:17	0°♋	
conjunction	-3740 Jul 24 j 07:13	0°♋52'45	1°10'58
minimum elong	-3740 Jul 24 j 07:04	0°♋52'29	1°11'07
	-3740 Sep 05 j 12:39	0°♌	
morning rise	-3740 Sep 08 j 15:21	2°♌08'30	
	-3740 Oct 18 j 07:53	0°♍	
	-3740 Nov 28 j 14:44	0°♎	
	-3739 Jan 07 j 20:17	0°♏	
desc. node	-3739 Jan 19 j 17:31	8°♏56'48	
	-3739 Feb 16 j 16:53	0°♐	
	-3739 Mar 29 j 06:50	0°♑	
	-3739 May 11 j 15:47	0°♒	
	-3739 Jul 04 j 08:18	0°♓	
retrograde	-3739 Aug 14 j 07:42	9°♓55'04	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

min. Earth dist.	-3739 Sep 15 j 03:10	3°♓02'34	0.54578 AU
greatest brilliancy	-3739 Sep 21 j 07:27	0°♓39'47	-1.9m
opposition	-3739 Sep 22 j 00:02	0°♓23'48	-3°01'46
	-3739 Sep 23 j 00:53	30℞♒	
direct	-3739 Oct 27 j 12:17	22°♒26'25	
asc. node	-3739 Dec 01 j 08:54	28°♒57'01	
	-3739 Dec 04 j 10:24	0°♓	
	-3738 Feb 06 j 04:22	0°♈	
	-3738 Mar 30 j 15:48	0°♉	
	-3738 May 18 j 19:48	0°♊	
	-3738 Jul 04 j 12:40	0°♋	
evening set	-3738 Jul 17 j 06:23	8°♋27'46	
max. Earth dist.	-3738 Aug 04 j 01:06	20°♋29'15	2.54395 AU
	-3738 Aug 17 j 20:18	0°♌	
conjunction	-3738 Sep 04 j 09:33	12°♌19'32	0°55'29
minimum elong	-3738 Sep 04 j 11:12	12°♌22'28	0°55'36
	-3738 Sep 28 j 23:06	0°♍	
morning rise	-3738 Oct 26 j 11:35	20°♍21'13	
	-3738 Nov 08 j 06:52	0°♎	
desc. node	-3738 Dec 07 j 16:07	22°♎28'03	
	-3738 Dec 17 j 10:17	0°♏	
	-3737 Jan 25 j 03:12	0°♐	
	-3737 Mar 05 j 06:44	0°♑	
	-3737 Apr 14 j 22:30	0°♒	
	-3737 May 28 j 14:52	0°♓	
	-3737 Jul 18 j 05:23	0°♈	
retrograde	-3737 Sep 21 j 21:40	20°♈36'36	
asc. node	-3737 Oct 19 j 09:04	15°♈29'40	
min. Earth dist.	-3737 Oct 28 j 11:06	12°♈01'40	0.63834 AU
opposition	-3737 Oct 31 j 21:36	10°♈38'48	0°29'38
greatest brilliancy	-3737 Oct 31 j 19:53	10°♈40'32	-1.5m
direct	-3737 Dec 09 j 15:35	1°♈27'51	
	-3736 Mar 04 j 14:44	0°♉	
	-3736 Apr 27 j 05:28	0°♊	
	-3736 Jun 14 j 08:21	0°♋	
	-3736 Jul 28 j 23:30	0°♌	
evening set	-3736 Aug 31 j 08:57	23°♌46'06	
	-3736 Sep 08 j 21:16	0°♍	
max. Earth dist.	-3736 Sep 18 j 23:05	7°♍27'41	2.42164 AU
	-3736 Oct 18 j 18:08	0°♎	
desc. node	-3736 Oct 24 j 13:04	4°♎27'01	
conjunction	-3736 Oct 26 j 18:25	6°♎09'51	-0°01'37
minimum elong	-3736 Oct 26 j 18:19	6°♎09'40	0°01'37
behind sun begin	-3736 Oct 25 j 16:59	5°♎20'50	
behind sun end	-3736 Oct 27 j 19:39	6°♎58'33	
	-3736 Nov 26 j 09:07	0°♏	
morning rise	-3736 Dec 29 j 21:20	26°♏18'08	
	-3735 Jan 03 j 14:37	0°♐	
	-3735 Feb 11 j 07:45	0°♑	
	-3735 Mar 23 j 09:21	0°♒	
	-3735 May 04 j 15:43	0°♓	
	-3735 Jun 19 j 04:40	0°♈	
	-3735 Aug 09 j 18:43	0°♉	
asc. node	-3735 Sep 05 j 10:00	12°♉43'53	
retrograde	-3735 Oct 25 j 17:54	25°♉09'43	
opposition	-3735 Dec 04 j 14:00	15°♉31'20	3°05'20
greatest brilliancy	-3735 Dec 04 j 13:21	15°♉31'59	-1.3m
min. Earth dist.	-3735 Dec 04 j 21:45	15°♉23'34	0.67212 AU
direct	-3734 Jan 14 j 05:45	5°♉41'15	
	-3734 Apr 01 j 05:29	0°♊	
	-3734 May 24 j 02:09	0°♋	
	-3734 Jul 09 j 02:14	0°♌	
	-3734 Aug 20 j 08:15	0°♍	
desc. node	-3734 Sep 11 j 10:37	16°♍28'24	
	-3734 Sep 29 j 04:00	0°♎	
evening set	-3734 Oct 30 j 04:24	24°♎08'51	
	-3734 Nov 06 j 15:05	0°♏	
	-3734 Dec 14 j 17:15	0°♐	
conjunction	-3733 Jan 03 j 16:19	15°♐35'25	-1°03'33
minimum elong	-3733 Jan 03 j 14:13	15°♐31'21	1°03'41
	-3733 Jan 22 j 08:51	0°♑	
max. Earth dist.	-3733 Feb 21 j 01:21	22°♑22'40	2.41527 AU
	-3733 Mar 03 j 09:31	0°♒	
morning rise	-3733 Mar 11 j 01:05	5°♒34'42	
	-3733 Apr 14 j 10:13	0°♓	
	-3733 May 28 j 21:44	0°♈	
	-3733 Jul 15 j 08:39	0°♉	
asc. node	-3733 Jul 24 j 09:58	5°♉27'33	
	-3733 Sep 05 j 18:28	0°♊	
retrograde	-3733 Nov 30 j 22:01	29°♊06'11	
opposition	-3732 Jan 08 j 12:41	20°♊11'01	4°43'43
greatest brilliancy	-3732 Jan 09 j 03:10	19°♊56'50	-1.4m
min. Earth dist.	-3732 Jan 12 j 16:10	18°♊33'48	0.64222 AU
direct	-3732 Feb 18 j 16:56	10°♊10'50	
	-3732 Apr 24 j 14:48	0°♋	
	-3732 Jun 15 j 07:32	0°♌	
desc. node	-3732 Jul 29 j 09:11	0°♍07'47	
	-3732 Jul 29 j 04:51	0°♍	
	-3732 Sep 07 j 14:52	0°♎	
	-3732 Oct 16 j 08:36	0°♏	
	-3732 Nov 23 j 16:03	0°♐	
	-3731 Jan 01 j 13:52	0°♑	
evening set	-3731 Jan 05 j 21:58	3°♑17'15	
	-3731 Feb 10 j 21:38	0°♒	
conjunction	-3731 Mar 07 j 13:48	17°♒41'46	-0°50'28
minimum elong	-3731 Mar 07 j 16:01	17°♒45'40	0°50'33
	-3731 Mar 25 j 03:52	0°♓	
max. Earth dist.	-3731 Apr 11 j 18:41	12°♓04'48	2.54370 AU
morning rise	-3731 May 02 j 10:26	25°♓57'19	
	-3731 May 08 j 12:59	0°♈	
asc. node	-3731 Jun 10 j 08:09	21°♈19'55	
	-3731 Jun 23 j 22:44	0°♉	
	-3731 Aug 11 j 09:36	0°♊	
	-3731 Oct 02 j 01:34	0°♋	
	-3731 Dec 04 j 19:21	0°♌	
retrograde	-3730 Jan 12 j 01:21	7°♌27'05	
	-3730 Feb 16 j 12:11	30℞♋	
opposition	-3730 Feb 17 j 05:35	29°♋44'08	4°54'21
greatest brilliancy	-3730 Feb 18 j 13:20	29°♋15'01	-1.8m
min. Earth dist.	-3730 Feb 24 j 21:15	26°♋56'36	0.54983 AU
direct	-3730 Mar 28 j 23:22	20°♋24'23	
	-3730 May 09 j 07:13	0°♌	
desc. node	-3730 Jun 16 j 08:02	19°♌41'49	
	-3730 Jul 02 j 19:51	0°♍	
	-3730 Aug 15 j 01:34	0°♎	
	-3730 Sep 24 j 03:16	0°♏	
	-3730 Nov 02 j 08:51	0°♐	
	-3730 Dec 12 j 02:01	0°♑	
	-3729 Jan 22 j 03:48	0°♒	
evening set	-3729 Mar 03 j 08:00	28°♒08'05	
	-3729 Mar 06 j 01:22	0°♓	
	-3729 Apr 19 j 19:51	0°♈	
conjunction	-3729 Apr 24 j 21:04	3°♈18'57	-0°01'59
minimum elong	-3729 Apr 24 j 21:11	3°♈19'08	0°01'58
behind sun begin	-3729 Apr 24 j 00:24	2°♈45'06	
behind sun end	-3729 Apr 25 j 17:58	3°♈53'09	
asc. node	-3729 Apr 28 j 06:03	5°♈31'29	
max. Earth dist.	-3729 May 10 j 18:26	13°♈40'31	2.63353 AU
	-3729 Jun 05 j 02:39	0°♉	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

morning rise	-3729 Jun 12 j 16:57	4°♉51'13	
	-3729 Jul 22 j 09:14	0°♊	
	-3729 Sep 08 j 08:06	0°♋	
	-3729 Oct 27 j 09:42	0°♌	
	-3729 Dec 18 j 22:29	0°♍	
retrograde	-3728 Mar 12 j 09:18	28°♍53'36	
opposition	-3728 Apr 13 j 09:22	23°♍07'11	1°19'50
greatest brilliancy	-3728 Apr 13 j 20:10	22°♍58'59	-2.6m
min. Earth dist.	-3728 Apr 20 j 15:01	20°♍55'43	0.42165 AU
desc. node	-3728 May 03 j 09:03	17°♍43'59	
direct	-3728 May 17 j 22:50	16°♍17'46	
	-3728 Jul 05 j 12:39	0°♎	
	-3728 Aug 24 j 15:51	0°♏	
	-3728 Oct 06 j 21:36	0°♐	
	-3728 Nov 18 j 03:13	0°♑	
	-3728 Dec 31 j 01:22	0°♒	
	-3727 Feb 13 j 08:04	0°♓	
asc. node	-3727 Mar 15 j 02:54	19°♓38'38	
	-3727 Mar 31 j 01:04	0°♈	
evening set	-3727 Apr 15 j 18:36	10°♈09'20	
	-3727 May 16 j 18:07	0°♉	
conjunction	-3727 Jun 02 j 20:51	10°♉54'56	0°41'57
minimum elong	-3727 Jun 02 j 19:36	10°♉52'58	0°42'02
max. Earth dist.	-3727 Jun 03 j 07:32	11°♉11'59	2.67060 AU
	-3727 Jul 02 j 18:39	0°♊	
morning rise	-3727 Jul 18 j 11:56	10°♊03'48	
	-3727 Aug 18 j 10:55	0°♋	
	-3727 Oct 03 j 11:05	0°♌	
	-3727 Nov 17 j 21:05	0°♍	
	-3726 Jan 02 j 03:30	0°♎	
	-3726 Feb 17 j 10:56	0°♏	
desc. node	-3726 Mar 21 j 10:43	19°♏12'59	
	-3726 Apr 10 j 23:43	0°♐	
retrograde	-3726 May 30 j 10:55	13°♐45'48	
min. Earth dist.	-3726 Jun 26 j 17:46	9°♐18'56	0.38605 AU
greatest brilliancy	-3726 Jun 30 j 07:05	8°♐19'07	-2.8m
opposition	-3726 Jul 01 j 07:03	8°♐02'15	-6°10'33
direct	-3726 Jul 31 j 04:03	2°♐54'52	
	-3726 Oct 16 j 01:08	0°♑	
	-3726 Dec 05 j 14:51	0°♒	
	-3725 Jan 22 j 14:46	0°♓	
asc. node	-3725 Jan 31 j 00:06	5°♓16'21	
	-3725 Mar 11 j 09:20	0°♈	
	-3725 Apr 28 j 04:29	0°♉	
evening set	-3725 May 24 j 21:05	16°♉50'53	
	-3725 Jun 14 j 13:04	0°♊	
max. Earth dist.	-3725 Jun 27 j 01:16	8°♊01'29	2.65328 AU
conjunction	-3725 Jul 10 j 09:52	16°♊39'25	1°07'46
minimum elong	-3725 Jul 10 j 09:08	16°♊38'13	1°07'54
	-3725 Jul 30 j 20:00	0°♋	
morning rise	-3725 Aug 24 j 21:17	16°♋38'31	
	-3725 Sep 13 j 15:32	0°♌	
	-3725 Oct 26 j 22:07	0°♍	
	-3725 Dec 07 j 20:30	0°♎	
	-3724 Jan 17 j 20:46	0°♏	
desc. node	-3724 Feb 06 j 10:20	14°♏24'43	
	-3724 Feb 27 j 16:18	0°♐	
	-3724 Apr 09 j 17:49	0°♑	
	-3724 May 27 j 02:57	0°♒	
retrograde	-3724 Jul 27 j 16:54	20°♒33'12	
min. Earth dist.	-3724 Aug 26 j 08:22	14°♒31'47	0.49709 AU
greatest brilliancy	-3724 Sep 01 j 23:38	12°♒05'46	-2.2m
opposition	-3724 Sep 03 j 03:36	11°♒40'02	-4°34'10
direct	-3724 Oct 07 j 00:30	4°♒25'30	
asc. node	-3724 Dec 17 j 24:00	27°♒03'29	
	-3724 Dec 23 j 20:15	0°♓	
	-3723 Feb 16 j 04:34	0°♈	
	-3723 Apr 07 j 14:10	0°♉	
	-3723 May 26 j 00:14	0°♊	
evening set	-3723 Jul 01 j 11:13	23°♊25'13	
	-3723 Jul 11 j 11:38	0°♋	
max. Earth dist.	-3723 Jul 22 j 15:56	7°♋25'32	2.58384 AU
conjunction	-3723 Aug 18 j 04:09	25°♋23'23	1°06'04
minimum elong	-3723 Aug 18 j 05:09	25°♋25'07	1°06'12
	-3723 Aug 24 j 20:28	0°♌	
morning rise	-3723 Oct 06 j 06:35	0°♍03'51	
	-3723 Oct 06 j 04:27	0°♍	
	-3723 Nov 15 j 19:36	0°♎	
desc. node	-3723 Dec 24 j 09:11	29°♎18'05	
	-3723 Dec 25 j 07:04	0°♏	
	-3722 Feb 02 j 08:00	0°♐	
	-3722 Mar 13 j 20:10	0°♑	
	-3722 Apr 24 j 01:41	0°♒	
	-3722 Jun 08 j 06:34	0°♓	
	-3722 Aug 06 j 15:57	0°♈	
retrograde	-3722 Sep 07 j 15:53	6°♈03'55	
	-3722 Oct 07 j 13:00	30°℞♓	
min. Earth dist.	-3722 Oct 12 j 12:22	28°♓04'51	0.60841 AU
opposition	-3722 Oct 17 j 09:09	26°♓08'35	-0°46'03
greatest brilliancy	-3722 Oct 17 j 06:11	26°♓11'31	-1.6m
asc. node	-3722 Nov 05 j 00:54	19°♓45'03	
direct	-3722 Nov 24 j 00:37	17°♓21'31	
	-3721 Jan 14 j 18:42	0°♈	
	-3721 Mar 16 j 00:59	0°♉	
	-3721 May 06 j 06:43	0°♊	
	-3721 Jun 22 j 16:36	0°♋	
	-3721 Aug 06 j 03:32	0°♌	
evening set	-3721 Aug 13 j 05:14	4°♌56'30	
max. Earth dist.	-3721 Aug 28 j 09:13	15°♌41'56	2.47098 AU
	-3721 Sep 17 j 02:32	0°♍	
conjunction	-3721 Oct 05 j 01:59	13°♍19'44	0°25'24
minimum elong	-3721 Oct 05 j 03:27	13°♍22'29	0°25'25
	-3721 Oct 27 j 02:52	0°♎	
desc. node	-3721 Nov 11 j 07:13	11°♎39'46	
morning rise	-3721 Dec 03 j 00:56	28°♎32'48	
	-3721 Dec 04 j 21:38	0°♏	
	-3720 Jan 12 j 06:22	0°♐	
	-3720 Feb 20 j 01:52	0°♑	
	-3720 Mar 31 j 06:12	0°♒	
	-3720 May 12 j 19:50	0°♓	
	-3720 Jun 28 j 09:14	0°♈	
	-3720 Aug 23 j 23:52	0°♉	
asc. node	-3720 Sep 22 j 00:59	9°♉48'08	
retrograde	-3720 Oct 12 j 07:28	12°♉14'16	
min. Earth dist.	-3720 Nov 20 j 04:38	2°♉53'01	0.66640 AU
opposition	-3720 Nov 21 j 08:28	2°♉25'03	2°11'31
greatest brilliancy	-3720 Nov 21 j 05:11	2°♉28'21	-1.4m
	-3720 Nov 27 j 11:01	30°℞♈	
direct	-3720 Dec 31 j 10:09	22°♈46'59	
	-3719 Feb 07 j 03:51	0°♉	
	-3719 Apr 12 j 05:25	0°♊	
	-3719 Jun 01 j 11:28	0°♋	
	-3719 Jul 16 j 18:35	0°♌	
	-3719 Aug 27 j 19:58	0°♍	
desc. node	-3719 Sep 28 j 04:03	23°♍30'22	
evening set	-3719 Oct 04 j 21:05	28°♍38'40	
	-3719 Oct 06 j 15:24	0°♎	
	-3719 Nov 14 j 03:17	0°♏	
conjunction	-3719 Dec 06 j 16:35	17°♏45'50	-0°45'44

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

minimum elong	-3719 Dec 06 j 13:22	17°♏39'31	0°45'49
	-3719 Dec 22 j 06:00	0°♐	
max. Earth dist.	-3719 Dec 23 j 20:04	1°♐14'40	2.37682 AU
	-3718 Jan 29 j 21:09	0°♑	
morning rise	-3718 Feb 12 j 23:01	10°♑42'34	
	-3718 Mar 10 j 20:38	0°♒	
	-3718 Apr 21 j 21:14	0°♓	
	-3718 Jun 05 j 13:44	0°♈	
	-3718 Jul 23 j 22:48	0°♉	
asc. node	-3718 Aug 10 j 00:53	9°♉48'36	
	-3718 Sep 18 j 12:22	0°♊	
retrograde	-3718 Nov 16 j 09:08	15°♊51'56	
opposition	-3718 Dec 25 j 14:41	6°♊37'00	4°13'07
greatest brilliancy	-3718 Dec 25 j 22:09	6°♊29'37	-1.3m
min. Earth dist.	-3718 Dec 28 j 06:17	5°♊34'05	0.66167 AU
	-3717 Jan 12 j 22:20	30°℞♉	
direct	-3717 Feb 04 j 18:50	26°♉36'40	
	-3717 Mar 01 j 10:44	0°♊	
	-3717 May 08 j 03:31	0°♋	
	-3717 Jun 25 j 12:20	0°♌	
	-3717 Aug 07 j 12:21	0°♍	
desc. node	-3717 Aug 16 j 02:03	6°♍16'28	
	-3717 Sep 16 j 14:24	0°♎	
	-3717 Oct 25 j 03:58	0°♏	
greatest brilliancy	-3717 Nov 29 j 05:00	27°♏32'54	1.2m
	-3717 Dec 02 j 08:07	0°♐	
evening set	-3717 Dec 11 j 18:02	7°♐21'19	
	-3716 Jan 10 j 02:17	0°♑	
conjunction	-3716 Feb 13 j 18:28	25°♑59'04	-1°03'34
minimum elong	-3716 Feb 13 j 20:12	26°♑02'16	1°03'41
	-3716 Feb 19 j 05:58	0°♒	
max. Earth dist.	-3716 Mar 27 j 23:34	26°♒57'10	2.49605 AU
	-3716 Apr 01 j 08:35	0°♓	
morning rise	-3716 Apr 13 j 15:44	8°♓28'46	
	-3716 May 15 j 16:26	0°♈	
asc. node	-3716 Jun 27 j 00:14	27°♈17'21	
	-3716 Jul 01 j 07:45	0°♉	
	-3716 Aug 19 j 17:31	0°♊	
	-3716 Oct 13 j 22:24	0°♋	
retrograde	-3716 Dec 24 j 22:01	21°♋45'31	
opposition	-3715 Jan 31 j 05:39	13°♋29'32	5°05'19
greatest brilliancy	-3715 Feb 01 j 07:47	13°♋04'45	-1.6m
min. Earth dist.	-3715 Feb 06 j 15:14	11°♋04'22	0.59307 AU
direct	-3715 Mar 12 j 21:02	3°♋44'41	
	-3715 May 27 j 18:00	0°♌	
desc. node	-3715 Jul 03 j 02:07	22°♌32'53	
	-3715 Jul 14 j 02:00	0°♍	
	-3715 Aug 24 j 16:07	0°♎	
	-3715 Oct 02 j 23:44	0°♏	
	-3715 Nov 10 j 17:10	0°♐	
	-3715 Dec 20 j 00:02	0°♑	
	-3714 Jan 29 j 16:27	0°♒	
evening set	-3714 Feb 11 j 05:58	9°♒00'01	
	-3714 Mar 13 j 06:12	0°♓	
conjunction	-3714 Apr 07 j 12:57	17°♓10'50	-0°21'24
minimum elong	-3714 Apr 07 j 13:59	17°♓12'34	0°21'26
	-3714 Apr 26 j 19:18	0°♈	
max. Earth dist.	-3714 Apr 30 j 13:06	2°♈27'52	2.60446 AU
asc. node	-3714 May 14 j 21:08	11°♈50'34	
morning rise	-3714 May 28 j 13:32	20°♈42'11	
	-3714 Jun 12 j 01:15	0°♉	
	-3714 Jul 29 j 14:55	0°♊	
	-3714 Sep 16 j 12:41	0°♋	
	-3714 Nov 07 j 05:14	0°♌	
	-3713 Jan 10 j 10:56	0°♍	
retrograde	-3713 Feb 14 j 21:14	6°♍33'32	
opposition	-3713 Mar 20 j 17:10	29°♌56'54	3°27'00
	-3713 Mar 20 j 13:26	30°℞♌	
greatest brilliancy	-3713 Mar 21 j 21:28	29°♌33'18	-2.3m
min. Earth dist.	-3713 Mar 29 j 05:27	27°♌07'15	0.47155 AU
direct	-3713 Apr 26 j 22:35	21°♌51'56	
desc. node	-3713 May 21 j 01:54	25°♌37'18	
	-3713 Jun 02 j 13:12	0°♍	
	-3713 Jul 26 j 17:06	0°♎	
	-3713 Sep 07 j 17:52	0°♏	
	-3713 Oct 18 j 13:06	0°♐	
	-3713 Nov 28 j 08:54	0°♑	
	-3712 Jan 09 j 07:32	0°♒	
	-3712 Feb 21 j 21:30	0°♓	
evening set	-3712 Mar 30 j 11:02	24°♓58'47	
asc. node	-3712 Mar 31 j 18:20	25°♓50'06	
	-3712 Apr 07 j 03:11	0°♈	
conjunction	-3712 May 18 j 22:10	27°♈00'02	0°26'37
minimum elong	-3712 May 18 j 21:12	26°♈58'30	0°26'41
	-3712 May 23 j 14:33	0°♉	
max. Earth dist.	-3712 May 25 j 00:32	0°♉54'23	2.66257 AU
morning rise	-3712 Jul 04 j 10:28	26°♉40'50	
	-3712 Jul 09 j 15:35	0°♊	
	-3712 Aug 25 j 16:22	0°♋	
	-3712 Oct 11 j 12:44	0°♌	
	-3712 Nov 27 j 13:52	0°♍	
	-3711 Jan 15 j 02:30	0°♎	
	-3711 Mar 11 j 17:28	0°♏	
desc. node	-3711 Apr 07 j 02:03	9°♏36'21	
retrograde	-3711 Apr 30 j 00:36	12°♏45'10	
opposition	-3711 May 30 j 09:29	7°♏42'33	-3°49'49
greatest brilliancy	-3711 May 30 j 09:29	7°♏42'34	-2.9m
min. Earth dist.	-3711 May 31 j 02:46	7°♏31'05	0.37748 AU
direct	-3711 Jun 29 j 18:51	2°♏36'17	
	-3711 Sep 13 j 02:00	0°♐	
	-3711 Oct 31 j 09:25	0°♑	
	-3711 Dec 16 j 05:40	0°♒	
	-3710 Jan 31 j 05:19	0°♓	
asc. node	-3710 Feb 16 j 16:19	10°♓37'25	
	-3710 Mar 18 j 22:45	0°♈	
	-3710 May 05 j 04:58	0°♉	
evening set	-3710 May 09 j 23:46	3°♉01'58	
max. Earth dist.	-3710 Jun 17 j 21:21	27°♉46'34	2.66640 AU
	-3710 Jun 21 j 08:48	0°♊	
conjunction	-3710 Jun 25 j 19:54	2°♊51'34	1°00'29
minimum elong	-3710 Jun 25 j 18:46	2°♊49'45	1°00'36
	-3710 Aug 06 j 17:50	0°♋	
morning rise	-3710 Aug 10 j 00:01	2°♋08'05	
	-3710 Sep 20 j 22:07	0°♌	
	-3710 Nov 03 j 19:52	0°♍	
	-3710 Dec 16 j 15:50	0°♎	
	-3709 Jan 27 j 20:23	0°♏	
desc. node	-3709 Feb 23 j 03:19	18°♏39'21	
	-3709 Mar 11 j 08:32	0°♐	
	-3709 Apr 25 j 22:03	0°♑	
retrograde	-3709 Jul 08 j 15:49	27°♑55'07	
min. Earth dist.	-3709 Aug 05 j 05:44	22°♑46'27	0.44707 AU
greatest brilliancy	-3709 Aug 11 j 17:15	20°♑35'32	-2.4m
opposition	-3709 Aug 13 j 05:55	20°♑04'23	-5°56'18
direct	-3709 Sep 14 j 10:04	13°♑41'03	
	-3709 Nov 11 j 05:38	0°♒	
asc. node	-3708 Jan 04 j 15:07	28°♒57'51	
	-3708 Jan 06 j 10:19	0°♓	
	-3708 Feb 26 j 01:17	0°♈	
	-3708 Apr 15 j 03:19	0°♉	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3708 Jun 02 j 00:46	0°♊	
evening set	-3708 Jun 16 j 06:14	9°♊05'36	
max. Earth dist.	-3708 Jul 11 j 16:46	25°♊36'21	2.61691 AU
	-3708 Jul 18 j 09:02	0°♋	
conjunction	-3708 Aug 02 j 03:15	9°♋48'30	1°10'42
minimum elong	-3708 Aug 02 j 03:30	9°♋48'56	1°10'50
	-3708 Aug 31 j 20:57	0°♌	
morning rise	-3708 Sep 18 j 05:48	12°♌04'14	
	-3708 Oct 13 j 12:11	0°♍	
	-3708 Nov 23 j 13:20	0°♎	
	-3707 Jan 02 j 11:47	0°♏	
desc. node	-3707 Jan 10 j 02:35	5°♏46'32	
	-3707 Feb 11 j 00:10	0°♐	
	-3707 Mar 23 j 02:02	0°♑	
	-3707 May 04 j 08:32	0°♒	
	-3707 Jun 21 j 23:31	0°♓	
retrograde	-3707 Aug 23 j 12:36	20°♓11'41	
min. Earth dist.	-3707 Sep 25 j 11:17	12°♓54'10	0.57003 AU
opposition	-3707 Oct 01 j 16:33	10°♓28'13	-2°10'10
greatest brilliancy	-3707 Oct 01 j 05:45	10°♓38'46	-1.8m
direct	-3707 Nov 07 j 00:41	2°♓11'10	
asc. node	-3707 Nov 21 j 15:09	3°♓27'33	
	-3706 Jan 29 j 17:28	0°♈	
	-3706 Mar 25 j 02:37	0°♉	
	-3706 May 13 j 21:50	0°♊	
	-3706 Jun 29 j 20:23	0°♋	
evening set	-3706 Jul 26 j 17:12	17°♋57'50	
max. Earth dist.	-3706 Aug 11 j 22:34	29°♋06'30	2.51896 AU
	-3706 Aug 13 j 05:23	0°♌	
conjunction	-3706 Sep 14 j 23:09	23°♌13'15	0°46'25
minimum elong	-3706 Sep 15 j 00:58	23°♌16'33	0°46'30
	-3706 Sep 24 j 06:56	0°♍	
	-3706 Nov 03 j 12:05	0°♎	
morning rise	-3706 Nov 08 j 05:20	3°♎35'32	
desc. node	-3706 Nov 28 j 00:18	18°♎46'39	
	-3706 Dec 12 j 12:09	0°♏	
	-3705 Jan 20 j 01:44	0°♐	
	-3705 Feb 28 j 01:37	0°♑	
	-3705 Apr 09 j 11:31	0°♒	
	-3705 May 22 j 14:23	0°♓	
	-3705 Jul 10 j 01:33	0°♈	
retrograde	-3705 Sep 29 j 18:51	28°♈56'25	
asc. node	-3705 Oct 09 j 15:55	28°♈16'31	
min. Earth dist.	-3705 Nov 06 j 05:39	20°♈03'58	0.65103 AU
opposition	-3705 Nov 08 j 20:50	19°♈00'27	1°09'29
greatest brilliancy	-3705 Nov 08 j 17:35	19°♈03'43	-1.4m
direct	-3705 Dec 18 j 03:48	9°♈38'38	
	-3704 Feb 25 j 14:31	0°♉	
	-3704 Apr 21 j 14:06	0°♊	
	-3704 Jun 09 j 08:45	0°♋	
	-3704 Jul 24 j 05:36	0°♌	
	-3704 Sep 04 j 04:54	0°♍	
evening set	-3704 Sep 12 j 02:46	5°♍50'54	
max. Earth dist.	-3704 Oct 08 j 05:33	25°♍32'13	2.39679 AU
desc. node	-3704 Oct 14 j 22:45	0°♎41'02	
	-3704 Oct 14 j 01:23	0°♎	
conjunction	-3704 Nov 09 j 19:52	20°♎45'29	-0°18'18
minimum elong	-3704 Nov 09 j 18:24	20°♎42'37	0°18'19
	-3704 Nov 21 j 14:56	0°♏	
	-3704 Dec 29 j 18:52	0°♐	
morning rise	-3703 Jan 15 j 08:41	12°♐57'12	
	-3703 Feb 06 j 10:27	0°♑	
	-3703 Mar 18 j 10:01	0°♒	
	-3703 Apr 29 j 12:39	0°♓	
	-3703 Jun 13 j 14:54	0°♈	
	-3703 Aug 02 j 14:03	0°♉	
asc. node	-3703 Aug 26 j 15:37	12°♉37'57	
	-3703 Oct 10 j 14:46	0°♊	
retrograde	-3703 Nov 02 j 12:51	2°♊59'08	
	-3703 Nov 23 j 20:28	30°℞♉	
opposition	-3703 Dec 12 j 05:12	23°♉28'14	3°32'46
greatest brilliancy	-3703 Dec 12 j 06:56	23°♉26'30	-1.3m
min. Earth dist.	-3703 Dec 13 j 08:50	23°♉00'40	0.67127 AU
direct	-3702 Jan 22 j 03:09	13°♉33'21	
	-3702 Mar 23 j 12:00	0°♊	
	-3702 May 18 j 04:59	0°♋	
	-3702 Jul 03 j 22:08	0°♌	
	-3702 Aug 15 j 10:17	0°♍	
desc. node	-3702 Sep 01 j 20:41	12°♍54'59	
	-3702 Sep 24 j 08:28	0°♎	
	-3702 Nov 01 j 20:17	0°♏	
evening set	-3702 Nov 14 j 07:07	9°♏48'25	
	-3702 Dec 09 j 22:43	0°♐	
	-3701 Jan 17 j 14:25	0°♑	
conjunction	-3701 Jan 19 j 02:29	1°♑08'55	-1°07'19
minimum elong	-3701 Jan 19 j 01:58	1°♑07'57	1°07'28
	-3701 Feb 26 j 14:53	0°♒	
max. Earth dist.	-3701 Mar 09 j 06:43	7°♒45'45	2.44357 AU
morning rise	-3701 Mar 24 j 09:45	18°♒36'23	
	-3701 Apr 09 j 14:51	0°♓	
	-3701 May 23 j 23:11	0°♈	
	-3701 Jul 10 j 00:10	0°♉	
asc. node	-3701 Jul 14 j 14:49	2°♉50'09	
	-3701 Aug 29 j 22:46	0°♊	
	-3701 Nov 01 j 12:37	0°♋	
retrograde	-3701 Dec 09 j 15:26	7°♋24'07	
	-3700 Jan 13 j 10:51	30°℞♊	
opposition	-3700 Jan 16 j 20:43	28°♊41'30	4°55'48
greatest brilliancy	-3700 Jan 17 j 15:25	28°♊23'22	-1.5m
min. Earth dist.	-3700 Jan 21 j 20:11	26°♊45'58	0.62737 AU
direct	-3700 Feb 26 j 23:06	18°♊44'20	
	-3700 Apr 13 j 21:15	0°♋	
	-3700 Jun 08 j 19:52	0°♌	
desc. node	-3700 Jul 19 j 18:40	27°♌17'19	
	-3700 Jul 23 j 14:48	0°♍	
	-3700 Sep 02 j 09:12	0°♎	
	-3700 Oct 11 j 07:02	0°♏	
	-3700 Nov 18 j 17:18	0°♐	
	-3700 Dec 27 j 17:30	0°♑	
evening set	-3699 Jan 19 j 17:21	17°♑13'47	
	-3699 Feb 06 j 03:12	0°♒	
conjunction	-3699 Mar 19 j 09:21	29°♒15'44	-0°40'33
minimum elong	-3699 Mar 19 j 11:17	29°♒19'04	0°40'37
	-3699 Mar 20 j 10:56	0°♓	
max. Earth dist.	-3699 Apr 19 j 02:38	20°♓11'38	2.56723 AU
	-3699 May 03 j 20:05	0°♈	
morning rise	-3699 May 12 j 08:02	5°♈35'45	
asc. node	-3699 May 31 j 13:57	18°♈07'09	
	-3699 Jun 19 j 03:01	0°♉	
	-3699 Aug 06 j 03:45	0°♊	
	-3699 Sep 25 j 12:41	0°♋	
	-3699 Nov 21 j 09:24	0°♌	
retrograde	-3698 Jan 23 j 08:48	17°♌35'17	
opposition	-3698 Feb 27 j 19:44	10°♌13'38	4°34'23
greatest brilliancy	-3698 Mar 01 j 04:41	9°♌44'15	-2.0m
min. Earth dist.	-3698 Mar 08 j 00:53	7°♌18'42	0.52311 AU
direct	-3698 Apr 07 j 21:12	1°♌14'32	
desc. node	-3698 Jun 06 j 18:25	19°♌58'33	
	-3698 Jun 24 j 08:50	0°♍	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3698 Aug 08 j 11:26	0°♎	
	-3698 Sep 18 j 05:58	0°♏	
	-3698 Oct 27 j 21:08	0°♐	
	-3698 Dec 06 j 21:22	0°♑	
	-3697 Jan 17 j 04:36	0°♒	
	-3697 Mar 01 j 06:35	0°♓	
evening set	-3697 Mar 13 j 23:00	8°♓35'43	
	-3697 Apr 15 j 03:50	0°♈	
asc. node	-3697 Apr 18 j 11:07	2°♈09'58	
conjunction	-3697 May 04 j 06:10	12°♈27'38	0°09'02
minimum elong	-3697 May 04 j 05:47	12°♈27'01	0°09'03
behind sun begin	-3697 May 03 j 12:46	11°♈59'24	
behind sun end	-3697 May 04 j 22:48	12°♈54'36	
max. Earth dist.	-3697 May 16 j 12:00	20°♈22'45	2.64613 AU
	-3697 May 31 j 11:22	0°♉	
morning rise	-3697 Jun 21 j 02:57	13°♉11'00	
	-3697 Jul 17 j 14:53	0°♊	
	-3697 Sep 03 j 04:03	0°♋	
	-3697 Oct 21 j 06:01	0°♌	
	-3697 Dec 10 j 01:43	0°♍	
	-3696 Feb 05 j 02:13	0°♎	
retrograde	-3696 Mar 29 j 00:09	13°♎45'49	
desc. node	-3696 Apr 23 j 19:10	9°♎54'58	
opposition	-3696 Apr 29 j 05:22	8°♎23'58	-0°23'06
greatest brilliancy	-3696 Apr 29 j 07:12	8°♎22'39	-2.8m
min. Earth dist.	-3696 May 04 j 18:31	6°♎49'10	0.39955 AU
direct	-3696 Jun 01 j 00:52	2°♎19'19	
	-3696 Aug 14 j 04:15	0°♏	
	-3696 Sep 29 j 08:41	0°♐	
	-3696 Nov 11 j 21:02	0°♑	
	-3696 Dec 25 j 12:42	0°♒	
	-3695 Feb 08 j 06:32	0°♓	
asc. node	-3695 Mar 05 j 08:07	16°♓26'33	
	-3695 Mar 26 j 06:20	0°♈	
evening set	-3695 Apr 24 j 17:56	18°♈54'39	
	-3695 May 12 j 03:14	0°♉	
max. Earth dist.	-3695 Jun 08 j 15:59	17°♉32'14	2.67139 AU
conjunction	-3695 Jun 11 j 06:45	19°♉12'18	0°49'39
minimum elong	-3695 Jun 11 j 05:28	19°♉10'15	0°49'45
	-3695 Jun 28 j 04:26	0°♊	
morning rise	-3695 Jul 26 j 15:03	18°♊16'14	
	-3695 Aug 13 j 17:37	0°♋	
	-3695 Sep 28 j 09:42	0°♌	
	-3695 Nov 12 j 04:16	0°♍	
	-3695 Dec 26 j 08:30	0°♎	
	-3694 Feb 08 j 14:38	0°♏	
desc. node	-3694 Mar 11 j 19:18	20°♏29'11	
	-3694 Mar 27 j 01:20	0°♐	
	-3694 Jun 02 j 14:05	0°♑	
retrograde	-3694 Jun 14 j 22:16	1°♑02'15	
	-3694 Jun 27 j 03:02	30°℞♐	
min. Earth dist.	-3694 Jul 11 j 12:11	26°♐32'15	0.40333 AU
greatest brilliancy	-3694 Jul 16 j 15:34	25°♐00'20	-2.7m
opposition	-3694 Jul 18 j 01:23	24°♐34'58	-6°33'10
direct	-3694 Aug 17 j 12:59	19°♐05'13	
	-3694 Oct 01 j 11:28	0°♑	
	-3694 Nov 27 j 21:11	0°♒	
	-3693 Jan 16 j 16:29	0°♓	
asc. node	-3693 Jan 21 j 06:46	2°♓49'24	
	-3693 Mar 06 j 05:49	0°♈	
	-3693 Apr 23 j 10:16	0°♉	
evening set	-3693 Jun 02 j 08:23	25°♉09'23	
	-3693 Jun 09 j 22:57	0°♊	
max. Earth dist.	-3693 Jul 02 j 15:21	14°♊34'34	2.64263 AU
conjunction	-3693 Jul 18 j 21:01	25°♊08'43	1°10'09
minimum elong	-3693 Jul 18 j 20:35	25°♊08'02	1°10'18
	-3693 Jul 26 j 06:23	0°♋	
morning rise	-3693 Sep 02 j 18:10	25°♋45'36	
	-3693 Sep 08 j 23:20	0°♌	
	-3693 Oct 22 j 00:04	0°♍	
	-3693 Dec 02 j 14:01	0°♎	
	-3692 Jan 12 j 03:16	0°♏	
desc. node	-3692 Jan 27 j 20:14	11°♏43'22	
	-3692 Feb 21 j 08:29	0°♐	
	-3692 Apr 02 j 10:09	0°♑	
	-3692 May 16 j 22:05	0°♒	
	-3692 Jul 19 j 08:29	0°♓	
retrograde	-3692 Aug 06 j 23:47	2°♓20'56	
	-3692 Aug 24 j 23:13	30°℞♒	
min. Earth dist.	-3692 Sep 06 j 20:25	25°♒51'01	0.52463 AU
greatest brilliancy	-3692 Sep 13 j 07:48	23°♒24'12	-2.0m
opposition	-3692 Sep 14 j 05:18	23°♒03'52	-3°41'13
direct	-3692 Oct 19 j 00:44	15°♒24'30	
asc. node	-3692 Dec 08 j 06:13	27°♒48'42	
	-3692 Dec 13 j 08:44	0°♓	
	-3691 Feb 09 j 21:02	0°♈	
	-3691 Apr 02 j 09:14	0°♉	
	-3691 May 21 j 05:42	0°♊	
	-3691 Jul 06 j 21:00	0°♋	
evening set	-3691 Jul 10 j 09:42	2°♋19'49	
max. Earth dist.	-3691 Jul 29 j 12:54	15°♋07'36	2.56269 AU
	-3691 Aug 20 j 06:22	0°♌	
conjunction	-3691 Aug 27 j 19:08	5°♌14'41	1°00'45
minimum elong	-3691 Aug 27 j 20:32	5°♌17'08	1°00'52
	-3691 Oct 01 j 12:24	0°♍	
morning rise	-3691 Oct 17 j 09:47	11°♍38'18	
	-3691 Nov 11 j 00:12	0°♎	
desc. node	-3691 Dec 14 j 19:22	25°♎45'52	
	-3691 Dec 20 j 07:24	0°♏	
	-3690 Jan 28 j 03:29	0°♐	
	-3690 Mar 08 j 09:49	0°♑	
	-3690 Apr 18 j 05:10	0°♒	
	-3690 Jun 01 j 07:58	0°♓	
	-3690 Jul 24 j 01:23	0°♈	
retrograde	-3690 Sep 15 j 22:18	14°♈58'44	
min. Earth dist.	-3690 Oct 21 j 18:19	6°♈39'21	0.62610 AU
opposition	-3690 Oct 25 j 20:28	5°♈01'09	-0°00'58
greatest brilliancy	-3690 Oct 25 j 20:30	5°♈01'07	-1.6m
asc. node	-3690 Oct 26 j 06:01	4°♈51'37	
	-3690 Nov 08 j 11:00	30°℞♓	
direct	-3690 Dec 03 j 03:54	26°♓00'07	
	-3690 Dec 30 j 05:16	0°♈	
	-3689 Mar 09 j 11:10	0°♉	
	-3689 May 01 j 00:15	0°♊	
	-3689 Jun 17 j 20:41	0°♋	
	-3689 Aug 01 j 11:21	0°♌	
evening set	-3689 Aug 23 j 20:43	15°♌47'39	
max. Earth dist.	-3689 Sep 08 j 22:49	27°♌26'17	2.44350 AU
	-3689 Sep 12 j 10:44	0°♍	
conjunction	-3689 Oct 17 j 13:31	26°♍17'36	0°10'38
minimum elong	-3689 Oct 17 j 14:14	26°♍18'58	0°10'38
behind sun begin	-3689 Oct 16 j 19:17	25°♍42'54	
behind sun end	-3689 Oct 18 j 09:11	26°♍55'05	
	-3689 Oct 22 j 10:02	0°♎	
desc. node	-3689 Nov 01 j 16:16	7°♎52'59	
	-3689 Nov 30 j 03:03	0°♏	
morning rise	-3689 Dec 18 j 10:03	14°♏20'00	
	-3688 Jan 07 j 09:50	0°♐	
	-3688 Feb 15 j 03:24	0°♑	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3688 Mar 26 j 04:50	0°♒	
	-3688 May 07 j 12:13	0°♓	
	-3688 Jun 22 j 07:34	0°♈	
	-3688 Aug 14 j 07:06	0°♉	
asc. node	-3688 Sep 12 j 06:46	12°♉33'59	
retrograde	-3688 Oct 20 j 00:26	20°♉08'32	
opposition	-3688 Nov 28 j 23:50	10°♉24'54	2°43'53
greatest brilliancy	-3688 Nov 28 j 21:41	10°♉27'03	-1.3m
min. Earth dist.	-3688 Nov 28 j 15:41	10°♉33'04	0.67082 AU
direct	-3687 Jan 08 j 10:36	0°♉39'39	
	-3687 Apr 05 j 08:54	0°♊	
	-3687 May 27 j 01:43	0°♋	
	-3687 Jul 11 j 19:49	0°♌	
	-3687 Aug 23 j 00:54	0°♍	
desc. node	-3687 Sep 18 j 13:40	19°♍49'17	
	-3687 Oct 01 j 21:23	0°♎	
evening set	-3687 Oct 18 j 20:40	13°♎08'36	
	-3687 Nov 09 j 09:03	0°♏	
	-3687 Dec 17 j 11:12	0°♐	
conjunction	-3687 Dec 22 j 11:25	3°♐55'44	-0°57'27
minimum elong	-3687 Dec 22 j 08:28	3°♐49'57	0°57'34
	-3686 Jan 25 j 01:58	0°♑	
max. Earth dist.	-3686 Feb 03 j 14:07	7°♑15'05	2.39424 AU
morning rise	-3686 Feb 28 j 02:36	25°♑37'48	
	-3686 Mar 06 j 00:56	0°♒	
	-3686 Apr 17 j 00:03	0°♓	
	-3686 May 31 j 11:40	0°♈	
	-3686 Jul 18 j 04:49	0°♉	
asc. node	-3686 Jul 31 j 07:04	7°♉46'17	
	-3686 Sep 09 j 20:13	0°♊	
retrograde	-3686 Nov 24 j 14:34	23°♊51'42	
opposition	-3685 Jan 02 j 12:55	14°♊47'12	4°31'58
greatest brilliancy	-3685 Jan 03 j 00:09	14°♊36'10	-1.4m
min. Earth dist.	-3685 Jan 06 j 00:36	13°♊25'01	0.65220 AU
direct	-3685 Feb 12 j 18:35	4°♊46'17	
	-3685 Apr 30 j 14:42	0°♋	
	-3685 Jun 19 j 18:08	0°♌	
	-3685 Aug 02 j 06:53	0°♍	
desc. node	-3685 Aug 06 j 12:19	3°♍03'34	
	-3685 Sep 11 j 14:15	0°♎	
	-3685 Oct 20 j 06:17	0°♏	
	-3685 Nov 27 j 11:50	0°♐	
evening set	-3685 Dec 26 j 18:16	22°♐42'18	
	-3684 Jan 05 j 07:11	0°♑	
	-3684 Feb 14 j 11:49	0°♒	
conjunction	-3684 Feb 27 j 00:44	9°♒05'07	-0°56'52
minimum elong	-3684 Feb 27 j 02:57	9°♒09'06	0°56'57
	-3684 Mar 27 j 15:00	0°♓	
max. Earth dist.	-3684 Apr 05 j 21:36	6°♓24'19	2.52309 AU
morning rise	-3684 Apr 24 j 14:51	19°♓07'50	
	-3684 May 10 j 22:03	0°♈	
asc. node	-3684 Jun 17 j 05:32	24°♈12'41	
	-3684 Jun 26 j 08:38	0°♉	
	-3684 Aug 14 j 02:47	0°♊	
	-3684 Oct 05 j 22:00	0°♋	
	-3684 Dec 22 j 01:14	0°♌	
retrograde	-3683 Jan 03 j 23:41	0°♌58'59	
	-3683 Jan 16 j 10:30	30°℞♋	
opposition	-3683 Feb 09 j 17:20	23°♋00'30	5°01'35
greatest brilliancy	-3683 Feb 10 j 22:58	22°♋32'54	-1.7m
min. Earth dist.	-3683 Feb 16 j 20:57	20°♋21'19	0.57008 AU
direct	-3683 Mar 21 j 22:48	13°♋27'49	
	-3683 May 17 j 19:38	0°♌	
desc. node	-3683 Jun 23 j 10:53	20°♌57'03	
	-3683 Jul 07 j 08:35	0°♍	
	-3683 Aug 18 j 19:36	0°♎	
	-3683 Sep 27 j 12:53	0°♏	
	-3683 Nov 05 j 12:19	0°♐	
	-3683 Dec 14 j 23:55	0°♑	
	-3682 Jan 24 j 20:07	0°♒	
evening set	-3682 Feb 22 j 22:00	20°♒34'56	
	-3682 Mar 08 j 12:45	0°♓	
conjunction	-3682 Apr 17 j 14:43	27°♓00'17	-0°10'07
minimum elong	-3682 Apr 17 j 15:11	27°♓01'03	0°10'08
behind sun begin	-3682 Apr 16 j 22:33	26°♓33'33	
behind sun end	-3682 Apr 18 j 07:48	27°♓28'33	
	-3682 Apr 22 j 03:31	0°♈	
asc. node	-3682 May 05 j 03:14	8°♈31'19	
max. Earth dist.	-3682 May 06 j 16:25	9°♈31'59	2.62149 AU
morning rise	-3682 Jun 06 j 08:17	29°♈20'31	
	-3682 Jun 07 j 08:57	0°♉	
	-3682 Jul 24 j 17:40	0°♊	
	-3682 Sep 11 j 01:07	0°♋	
	-3682 Oct 31 j 01:10	0°♌	
	-3682 Dec 25 j 16:07	0°♍	
retrograde	-3681 Mar 01 j 08:14	19°♍09'06	
opposition	-3681 Apr 03 j 03:24	13°♍00'12	2°22'52
greatest brilliancy	-3681 Apr 03 j 23:22	12°♍44'20	-2.5m
min. Earth dist.	-3681 Apr 11 j 04:22	10°♍27'17	0.44294 AU
direct	-3681 May 08 j 23:37	5°♍34'51	
desc. node	-3681 May 11 j 11:10	5°♍37'27	
	-3681 Jul 16 j 08:06	0°♎	
	-3681 Aug 31 j 05:29	0°♏	
	-3681 Oct 12 j 03:48	0°♐	
	-3681 Nov 22 j 15:44	0°♑	
	-3680 Jan 04 j 01:28	0°♒	
	-3680 Feb 16 j 23:11	0°♓	
asc. node	-3680 Mar 22 j 00:06	22°♓33'05	
	-3680 Apr 02 j 09:59	0°♈	
evening set	-3680 Apr 08 j 22:06	4°♈13'29	
	-3680 May 18 j 23:54	0°♉	
conjunction	-3680 May 27 j 13:27	5°♉28'21	0°35'49
minimum elong	-3680 May 27 j 12:17	5°♉26'30	0°35'53
max. Earth dist.	-3680 May 30 j 10:07	7°♉17'58	2.66811 AU
	-3680 Jul 05 j 00:20	0°♊	
morning rise	-3680 Jul 12 j 12:34	4°♊47'37	
	-3680 Aug 20 j 20:22	0°♋	
	-3680 Oct 06 j 05:06	0°♌	
	-3680 Nov 21 j 06:31	0°♍	
	-3679 Jan 06 j 17:01	0°♎	
	-3679 Feb 24 j 13:17	0°♏	
desc. node	-3679 Mar 28 j 13:08	16°♏59'16	
	-3679 May 07 j 22:20	0°♐	
retrograde	-3679 May 17 j 13:01	0°♐36'42	
	-3679 May 27 j 05:28	30°℞♏	
min. Earth dist.	-3679 Jun 15 j 03:44	25°♏57'44	0.37818 AU
opposition	-3679 Jun 17 j 12:34	25°♏19'17	-5°24'36
greatest brilliancy	-3679 Jun 16 j 23:52	25°♏27'53	-2.9m
direct	-3679 Jul 17 j 08:38	20°♏20'05	
	-3679 Aug 27 j 12:35	0°♐	
	-3679 Oct 22 j 18:16	0°♑	
	-3679 Dec 09 j 17:54	0°♒	
	-3678 Jan 25 j 17:02	0°♓	
asc. node	-3678 Feb 06 j 21:13	7°♓45'19	
	-3678 Mar 13 j 23:06	0°♈	
	-3678 Apr 30 j 12:08	0°♉	
evening set	-3678 May 18 j 13:53	11°♉25'36	
	-3678 Jun 16 j 18:39	0°♊	
max. Earth dist.	-3678 Jun 23 j 07:00	4°♊10'18	2.66023 AU

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

conjunction	-3678 Jul 04 j 04:16	11°♊10'23	1°05'10
minimum elong	-3678 Jul 04 j 03:19	11°♊08'53	1°05'18
	-3678 Aug 02 j 03:02	0°♋	
morning rise	-3678 Aug 18 j 10:40	10°♋46'03	
	-3678 Sep 16 j 03:02	0°♌	
	-3678 Oct 29 j 16:41	0°♍	
	-3678 Dec 11 j 00:33	0°♎	
	-3677 Jan 21 j 12:15	0°♏	
desc. node	-3677 Feb 13 j 13:14	16°♏44'10	
	-3677 Mar 03 j 22:22	0°♐	
	-3677 Apr 16 j 01:24	0°♑	
	-3677 Jun 06 j 11:45	0°♒	
retrograde	-3677 Jul 20 j 09:14	11°♒37'09	
min. Earth dist.	-3677 Aug 18 j 01:54	5°♒59'55	0.47439 AU
greatest brilliancy	-3677 Aug 24 j 18:08	3°♒37'44	-2.3m
opposition	-3677 Aug 26 j 02:41	3°♒08'41	-5°12'19
	-3677 Sep 04 j 13:42	30°℞♑	
direct	-3677 Sep 28 j 04:37	26°♑16'20	
	-3677 Oct 23 j 10:54	0°♒	
asc. node	-3677 Dec 25 j 20:46	27°♒50'14	
	-3677 Dec 29 j 20:50	0°♓	
	-3676 Feb 20 j 08:17	0°♈	
	-3676 Apr 10 j 03:21	0°♉	
	-3676 May 28 j 08:11	0°♊	
evening set	-3676 Jun 24 j 22:14	17°♊39'56	
	-3676 Jul 13 j 19:05	0°♋	
max. Earth dist.	-3676 Jul 17 j 21:12	2°♋42'10	2.59961 AU
conjunction	-3676 Aug 11 j 04:15	18°♋59'19	1°08'42
minimum elong	-3676 Aug 11 j 04:57	19°♋00'30	1°08'50
	-3676 Aug 27 j 06:19	0°♌	
morning rise	-3676 Sep 28 j 06:30	22°♌28'16	
	-3676 Oct 08 j 18:19	0°♍	
	-3676 Nov 18 j 14:26	0°♎	
	-3676 Dec 28 j 06:56	0°♏	
desc. node	-3676 Dec 31 j 12:03	2°♏27'10	
	-3675 Feb 05 j 12:23	0°♐	
	-3675 Mar 17 j 05:19	0°♑	
	-3675 Apr 27 j 18:21	0°♒	
	-3675 Jun 12 j 22:29	0°♓	
retrograde	-3675 Sep 01 j 08:05	29°♓53'11	
min. Earth dist.	-3675 Oct 05 j 08:43	22°♓12'08	0.59222 AU
opposition	-3675 Oct 10 j 20:32	20°♓01'54	-1°20'32
greatest brilliancy	-3675 Oct 10 j 14:38	20°♓07'43	-1.7m
asc. node	-3675 Nov 11 j 21:25	11°♓37'19	
direct	-3675 Nov 16 j 23:10	11°♓27'21	
	-3674 Jan 20 j 23:34	0°♈	
	-3674 Mar 19 j 06:23	0°♉	
	-3674 May 08 j 21:03	0°♊	
	-3674 Jun 25 j 03:04	0°♋	
evening set	-3674 Aug 05 j 12:31	27°♋51'46	
	-3674 Aug 08 j 14:32	0°♌	
max. Earth dist.	-3674 Aug 20 j 17:50	8°♌29'51	2.49300 AU
	-3674 Sep 19 j 15:46	0°♍	
conjunction	-3674 Sep 26 j 02:15	4°♍43'40	0°35'13
minimum elong	-3674 Sep 26 j 03:59	4°♍46'52	0°35'16
	-3674 Oct 29 j 19:03	0°♎	
desc. node	-3674 Nov 18 j 10:12	15°♎03'34	
morning rise	-3674 Nov 21 j 19:40	17°♎40'58	
	-3674 Dec 07 j 16:31	0°♏	
	-3673 Jan 15 j 03:05	0°♐	
	-3673 Feb 22 j 23:44	0°♑	
	-3673 Apr 04 j 05:03	0°♒	
	-3673 May 16 j 21:38	0°♓	
	-3673 Jul 03 j 00:04	0°♈	
	-3673 Sep 01 j 15:55	0°♉	
asc. node	-3673 Sep 29 j 21:43	6°♉42'07	
retrograde	-3673 Oct 07 j 14:09	7°♉04'47	
	-3673 Nov 09 j 15:31	30°℞♈	
min. Earth dist.	-3673 Nov 14 j 20:55	27°♈55'54	0.66075 AU
opposition	-3673 Nov 16 j 16:31	27°♈12'04	1°46'40
greatest brilliancy	-3673 Nov 16 j 12:50	27°♈15'46	-1.4m
direct	-3673 Dec 26 j 10:55	17°♈40'38	
	-3672 Feb 15 j 17:48	0°♉	
	-3672 Apr 15 j 14:19	0°♊	
	-3672 Jun 04 j 05:38	0°♋	
	-3672 Jul 19 j 09:43	0°♌	
	-3672 Aug 30 j 11:23	0°♍	
evening set	-3672 Sep 24 j 16:20	18°♍48'53	
desc. node	-3672 Oct 05 j 07:22	26°♍54'25	
	-3672 Oct 09 j 08:13	0°♎	
max. Earth dist.	-3672 Nov 08 j 02:10	23°♎05'58	2.37895 AU
	-3672 Nov 16 j 21:17	0°♏	
conjunction	-3672 Nov 24 j 17:05	6°♏09'16	-0°34'33
minimum elong	-3672 Nov 24 j 14:24	6°♏03'58	0°34'35
	-3672 Dec 25 j 00:20	0°♐	
morning rise	-3671 Jan 31 j 16:06	29°♐16'05	
	-3671 Feb 01 j 15:01	0°♑	
	-3671 Mar 13 j 13:24	0°♒	
	-3671 Apr 24 j 13:04	0°♓	
	-3671 Jun 08 j 07:24	0°♈	
	-3671 Jul 27 j 03:38	0°♉	
asc. node	-3671 Aug 16 j 21:50	11°♉34'47	
	-3671 Sep 24 j 14:33	0°♊	
retrograde	-3671 Nov 10 j 09:56	10°♊48'13	
opposition	-3671 Dec 19 j 21:25	1°♊25'44	3°57'13
greatest brilliancy	-3671 Dec 20 j 02:10	1°♊21'02	-1.3m
min. Earth dist.	-3671 Dec 21 j 21:07	0°♊38'24	0.66719 AU
	-3671 Dec 23 j 11:59	30°℞♉	
direct	-3670 Jan 30 j 00:12	21°♉27'14	
	-3670 Mar 12 j 02:14	0°♊	
	-3670 May 11 j 22:06	0°♋	
	-3670 Jun 28 j 13:57	0°♌	
	-3670 Aug 10 j 09:43	0°♍	
desc. node	-3670 Aug 23 j 05:11	9°♍25'18	
	-3670 Sep 19 j 10:50	0°♎	
	-3670 Oct 27 j 23:57	0°♏	
evening set	-3670 Nov 29 j 20:05	25°♏50'48	
	-3670 Dec 05 j 03:03	0°♐	
	-3669 Jan 12 j 19:28	0°♑	
conjunction	-3669 Feb 02 j 22:53	15°♑59'53	-1°06'36
minimum elong	-3669 Feb 02 j 23:51	16°♑01'41	1°06'45
	-3669 Feb 21 j 20:41	0°♒	
max. Earth dist.	-3669 Mar 21 j 08:42	19°♒49'01	2.47301 AU
	-3669 Apr 04 j 20:40	0°♓	
morning rise	-3669 Apr 05 j 19:31	0°♓39'44	
	-3669 May 19 j 03:12	0°♈	
asc. node	-3669 Jul 04 j 21:36	0°♉01'32	
	-3669 Jul 04 j 20:38	0°♉	
	-3669 Aug 23 j 18:10	0°♊	
	-3669 Oct 20 j 06:32	0°♋	
retrograde	-3669 Dec 18 j 17:17	15°♋55'09	
opposition	-3668 Jan 25 j 11:49	7°♋26'31	5°02'55
greatest brilliancy	-3668 Jan 26 j 10:45	7°♋04'34	-1.6m
min. Earth dist.	-3668 Jan 31 j 06:58	5°♋13'37	0.60966 AU
	-3668 Feb 16 j 07:08	30°℞♊	
direct	-3668 Mar 06 j 10:00	27°♊34'49	
	-3668 Mar 26 j 12:58	0°♋	
	-3668 Jun 01 j 15:39	0°♌	
desc. node	-3668 Jul 10 j 04:59	24°♌46'12	
	-3668 Jul 17 j 18:32	0°♍	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3668 Aug 27 j 23:54	0°♎	
	-3668 Oct 06 j 03:04	0°♏	
	-3668 Nov 13 j 16:36	0°♐	
	-3668 Dec 22 j 19:29	0°♑	
evening set	-3667 Feb 01 j 20:05	0°♒22'26	
	-3667 Feb 01 j 07:42	0°♒	
	-3667 Mar 15 j 17:20	0°♓	
conjunction	-3667 Mar 30 j 13:43	10°♓10'34	-0°29'39
minimum elong	-3667 Mar 30 j 15:09	10°♓13'00	0°29'41
max. Earth dist.	-3667 Apr 25 j 23:19	27°♓53'55	2.58892 AU
	-3667 Apr 29 j 03:29	0°♈	
morning rise	-3667 May 21 j 19:06	14°♈50'03	
asc. node	-3667 May 21 j 18:46	14°♈49'30	
	-3667 Jun 14 j 08:41	0°♉	
	-3667 Aug 01 j 01:51	0°♊	
	-3667 Sep 19 j 12:13	0°♋	
	-3667 Nov 11 j 20:30	0°♌	
retrograde	-3666 Feb 04 j 16:22	28°♌26'10	
opposition	-3666 Mar 11 j 06:14	21°♌28'26	4°01'27
greatest brilliancy	-3666 Mar 12 j 13:49	21°♌01'11	-2.1m
min. Earth dist.	-3666 Mar 19 j 18:26	18°♌33'02	0.49497 AU
direct	-3666 Apr 18 j 10:10	12°♌56'11	
desc. node	-3666 May 28 j 04:45	22°♌16'12	
	-3666 Jun 13 j 11:13	0°♍	
	-3666 Aug 01 j 03:11	0°♎	
	-3666 Sep 11 j 23:42	0°♏	
	-3666 Oct 22 j 04:17	0°♐	
	-3666 Dec 01 j 13:31	0°♑	
	-3665 Jan 12 j 03:35	0°♒	
	-3665 Feb 24 j 10:30	0°♓	
evening set	-3665 Mar 24 j 03:13	18°♓34'39	
asc. node	-3665 Apr 08 j 15:37	28°♓48'31	
	-3665 Apr 10 j 11:14	0°♈	
conjunction	-3665 May 13 j 08:17	21°♈20'14	0°19'29
minimum elong	-3665 May 13 j 07:31	21°♈19'02	0°19'31
max. Earth dist.	-3665 May 22 j 03:30	26°♈59'37	2.65628 AU
	-3665 May 26 j 20:04	0°♉	
morning rise	-3665 Jun 29 j 09:29	21°♉24'39	
	-3665 Jul 12 j 21:43	0°♊	
	-3665 Aug 29 j 03:37	0°♋	
	-3665 Oct 15 j 11:36	0°♌	
	-3665 Dec 02 j 12:58	0°♍	
	-3664 Jan 22 j 12:59	0°♎	
	-3664 Apr 13 j 16:18	0°♏	
desc. node	-3664 Apr 14 j 04:49	0°♏00'46	
retrograde	-3664 Apr 15 j 21:31	0°♏01'50	
	-3664 Apr 18 j 02:34	30°℞♎	
opposition	-3664 May 16 j 09:19	24°♎56'56	-2°20'34
greatest brilliancy	-3664 May 16 j 14:14	24°♎53'37	-2.9m
min. Earth dist.	-3664 May 19 j 12:34	24°♎06'05	0.38383 AU
direct	-3664 Jun 16 j 15:49	19°♎30'48	
	-3664 Jul 28 j 23:00	0°♏	
	-3664 Sep 20 j 10:36	0°♐	
	-3664 Nov 05 j 00:58	0°♑	
	-3664 Dec 19 j 17:36	0°♒	
	-3663 Feb 03 j 01:35	0°♓	
asc. node	-3663 Feb 23 j 13:48	13°♓21'09	
	-3663 Mar 21 j 09:55	0°♈	
evening set	-3663 May 03 j 13:23	27°♈30'46	
	-3663 May 07 j 11:20	0°♉	
max. Earth dist.	-3663 Jun 14 j 02:14	23°♉56'14	2.66970 AU
conjunction	-3663 Jun 19 j 15:34	27°♉29'09	0°56'20
minimum elong	-3663 Jun 19 j 14:20	27°♉27'11	0°56'27
	-3663 Jun 23 j 13:54	0°♊	
morning rise	-3663 Aug 03 j 20:04	26°♊36'09	
	-3663 Aug 09 j 01:12	0°♋	
	-3663 Sep 23 j 11:00	0°♌	
	-3663 Nov 06 j 17:58	0°♍	
	-3663 Dec 20 j 03:05	0°♎	
	-3662 Feb 01 j 02:08	0°♏	
desc. node	-3662 Mar 02 j 06:04	20°♏09'20	
	-3662 Mar 16 j 20:06	0°♐	
	-3662 May 04 j 20:43	0°♑	
retrograde	-3662 Jun 28 j 21:00	17°♑09'27	
min. Earth dist.	-3662 Jul 25 j 19:10	12°♑21'09	0.42597 AU
greatest brilliancy	-3662 Jul 31 j 20:31	10°♑24'51	-2.6m
opposition	-3662 Aug 02 j 09:54	9°♑54'37	-6°21'27
direct	-3662 Sep 02 j 19:32	3°♑55'55	
	-3662 Nov 18 j 14:17	0°♒	
	-3661 Jan 10 j 07:07	0°♓	
asc. node	-3661 Jan 11 j 12:36	0°♓43'53	
	-3661 Feb 28 j 21:42	0°♈	
	-3661 Apr 18 j 13:34	0°♉	
	-3661 Jun 05 j 07:17	0°♊	
evening set	-3661 Jun 10 j 21:21	3°♊33'41	
max. Earth dist.	-3661 Jul 08 j 11:20	21°♊21'18	2.62937 AU
	-3661 Jul 21 j 15:58	0°♋	
conjunction	-3661 Jul 27 j 13:08	3°♋53'11	1°11'02
minimum elong	-3661 Jul 27 j 13:05	3°♋53'06	1°11'11
	-3661 Sep 04 j 06:56	0°♌	
morning rise	-3661 Sep 12 j 00:31	5°♌19'29	
	-3661 Oct 17 j 03:14	0°♍	
	-3661 Nov 27 j 10:28	0°♎	
	-3660 Jan 06 j 15:34	0°♏	
desc. node	-3660 Jan 18 j 05:41	8°♏44'01	
	-3660 Feb 15 j 10:31	0°♐	
	-3660 Mar 26 j 20:29	0°♑	
	-3660 May 08 j 19:01	0°♒	
	-3660 Jun 29 j 07:29	0°♓	
retrograde	-3660 Aug 16 j 15:05	13°♓13'03	
min. Earth dist.	-3660 Sep 17 j 15:38	6°♓16'32	0.55040 AU
opposition	-3660 Sep 24 j 10:38	3°♓39'23	-2°48'18
greatest brilliancy	-3660 Sep 23 j 19:30	3°♓53'59	-1.9m
	-3660 Oct 04 j 12:52	30°℞♒	
direct	-3660 Oct 30 j 03:32	25°♒38'08	
	-3660 Nov 27 j 02:09	0°♓	
asc. node	-3660 Nov 28 j 12:13	0°♓24'46	
	-3659 Feb 02 j 23:12	0°♈	
	-3659 Mar 27 j 23:29	0°♉	
	-3659 May 16 j 08:56	0°♊	
	-3659 Jul 02 j 05:18	0°♋	
evening set	-3659 Jul 19 j 14:49	11°♋33'30	
max. Earth dist.	-3659 Aug 05 j 21:51	23°♋17'20	2.53912 AU
	-3659 Aug 15 j 15:28	0°♌	
conjunction	-3659 Sep 06 j 22:34	15°♌40'17	0°53'20
minimum elong	-3659 Sep 07 j 00:16	15°♌43'19	0°53'24
	-3659 Sep 26 j 20:00	0°♍	
morning rise	-3659 Oct 29 j 10:15	24°♍08'17	
	-3659 Nov 06 j 04:43	0°♎	
desc. node	-3659 Dec 05 j 03:19	22°♎07'05	
	-3659 Dec 15 j 08:20	0°♏	
	-3658 Jan 23 j 00:39	0°♐	
	-3658 Mar 03 j 02:35	0°♑	
	-3658 Apr 12 j 15:04	0°♒	
	-3658 May 26 j 00:26	0°♓	
	-3658 Jul 14 j 16:05	0°♈	
retrograde	-3658 Sep 23 j 22:50	23°♈30'45	
asc. node	-3658 Oct 16 j 12:52	20°♈01'19	
min. Earth dist.	-3658 Oct 30 j 17:09	14°♈52'31	0.64104 AU

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

opposition	-3658 Nov 02 j 23:57	13°♈33'28	0°41'02
greatest brilliancy	-3658 Nov 02 j 21:39	13°♈35'47	-1.5m
direct	-3658 Dec 11 j 21:16	4°♈20'15	
	-3657 Mar 02 j 03:57	0°♉	
	-3657 Apr 25 j 13:07	0°♊	
	-3657 Jun 12 j 23:09	0°♋	
	-3657 Jul 27 j 18:34	0°♌	
evening set	-3657 Sep 04 j 01:37	27°♌16'11	
	-3657 Sep 07 j 19:03	0°♍	
max. Earth dist.	-3657 Sep 23 j 15:10	11°♍44'36	2.41649 AU
	-3657 Oct 17 j 17:26	0°♎	
desc. node	-3657 Oct 23 j 01:43	4°♎06'16	
conjunction	-3657 Oct 30 j 22:11	10°♎09'56	-0°05'36
minimum elong	-3657 Oct 30 j 21:46	10°♎09'08	0°05'37
behind sun begin	-3657 Oct 29 j 21:22	9°♎21'56	
behind sun end	-3657 Oct 31 j 22:10	10°♎56'21	
	-3657 Nov 25 j 08:49	0°♏	
	-3656 Jan 02 j 13:45	0°♐	
morning rise	-3656 Jan 03 j 14:41	0°♐48'52	
	-3656 Feb 10 j 05:25	0°♑	
	-3656 Mar 21 j 04:40	0°♒	
	-3656 May 02 j 07:29	0°♓	
	-3656 Jun 16 j 14:08	0°♈	
	-3656 Aug 06 j 10:27	0°♉	
asc. node	-3656 Sep 02 j 12:58	13°♉25'12	
retrograde	-3656 Oct 27 j 18:07	27°♉57'54	
opposition	-3656 Dec 06 j 14:34	18°♉20'59	3°13'16
greatest brilliancy	-3656 Dec 06 j 14:20	18°♉21'13	-1.3m
min. Earth dist.	-3656 Dec 07 j 02:25	18°♉09'08	0.67240 AU
direct	-3655 Jan 16 j 08:35	8°♉29'50	
	-3655 Mar 28 j 14:43	0°♊	
	-3655 May 21 j 10:24	0°♋	
	-3655 Jul 06 j 18:34	0°♌	
	-3655 Aug 18 j 04:53	0°♍	
desc. node	-3655 Sep 08 j 23:58	16°♍11'45	
	-3655 Sep 27 j 03:06	0°♎	
evening set	-3655 Nov 02 j 12:40	28°♎20'35	
	-3655 Nov 04 j 15:14	0°♏	
	-3655 Dec 12 j 17:15	0°♐	
conjunction	-3654 Jan 07 j 05:20	19°♐54'26	-1°04'49
minimum elong	-3654 Jan 07 j 03:37	19°♐51'06	1°04'57
	-3654 Jan 20 j 07:40	0°♑	
max. Earth dist.	-3654 Feb 25 j 11:23	27°♑12'44	2.42026 AU
	-3654 Mar 01 j 06:17	0°♒	
morning rise	-3654 Mar 14 j 06:55	9°♒29'40	
	-3654 Apr 12 j 04:14	0°♓	
	-3654 May 26 j 12:10	0°♈	
	-3654 Jul 12 j 17:19	0°♉	
asc. node	-3654 Jul 21 j 11:56	5°♉19'53	
	-3654 Sep 02 j 12:05	0°♊	
	-3654 Nov 14 j 10:35	0°♋	
retrograde	-3654 Dec 03 j 01:51	1°♋59'05	
	-3654 Dec 20 j 15:24	30°℞♊	
opposition	-3653 Jan 10 j 15:55	23°♊06'09	4°46'58
greatest brilliancy	-3653 Jan 11 j 07:15	22°♊51'12	-1.4m
min. Earth dist.	-3653 Jan 14 j 23:51	21°♊24'58	0.63976 AU
direct	-3653 Feb 20 j 21:21	13°♊06'24	
	-3653 Apr 21 j 15:53	0°♋	
	-3653 Jun 13 j 15:11	0°♌	
desc. node	-3653 Jul 27 j 21:52	0°♍00'58	
	-3653 Jul 27 j 21:19	0°♍	
	-3653 Sep 06 j 11:21	0°♎	
	-3653 Oct 15 j 06:52	0°♏	
	-3653 Nov 22 j 14:41	0°♐	
	-3653 Dec 31 j 11:48	0°♑	
evening set	-3652 Jan 10 j 03:53	7°♑19'07	
	-3652 Feb 09 j 18:05	0°♒	
conjunction	-3652 Mar 10 j 11:14	21°♒17'21	-0°48'01
minimum elong	-3652 Mar 10 j 13:25	21°♒21'12	0°48'05
	-3652 Mar 22 j 22:16	0°♓	
max. Earth dist.	-3652 Apr 13 j 18:27	14°♓58'25	2.54826 AU
morning rise	-3652 May 04 j 23:00	29°♓10'15	
	-3652 May 06 j 05:02	0°♈	
asc. node	-3652 Jun 07 j 11:05	21°♈01'54	
	-3652 Jun 21 j 11:58	0°♉	
	-3652 Aug 08 j 18:22	0°♊	
	-3652 Sep 28 j 23:02	0°♋	
	-3652 Nov 28 j 20:15	0°♌	
retrograde	-3651 Jan 14 j 16:18	10°♌38'15	
opposition	-3651 Feb 19 j 17:56	2°♌59'15	4°49'22
greatest brilliancy	-3651 Feb 21 j 02:04	2°♌30'00	-1.9m
	-3651 Feb 27 j 23:47	30°℞♋	
min. Earth dist.	-3651 Feb 27 j 13:31	0°♌09'06	0.54496 AU
direct	-3651 Mar 31 j 10:19	23°♋42'46	
	-3651 May 03 j 01:16	0°♌	
desc. node	-3651 Jun 13 j 20:55	20°♌14'03	
	-3651 Jun 29 j 20:31	0°♍	
	-3651 Aug 12 j 14:42	0°♎	
	-3651 Sep 21 j 20:53	0°♏	
	-3651 Oct 31 j 04:02	0°♐	
	-3651 Dec 09 j 21:16	0°♑	
	-3650 Jan 19 j 22:15	0°♒	
	-3650 Mar 03 j 18:34	0°♓	
evening set	-3650 Mar 05 j 23:40	1°♓30'48	
	-3650 Apr 17 j 11:45	0°♈	
asc. node	-3650 Apr 25 j 08:26	5°♈09'48	
conjunction	-3650 Apr 27 j 06:52	6°♈25'45	0°01'08
minimum elong	-3650 Apr 27 j 06:46	6°♈25'36	0°01'08
behind sun begin	-3650 Apr 26 j 10:04	5°♈51'45	
behind sun end	-3650 Apr 28 j 03:28	6°♈59'25	
max. Earth dist.	-3650 May 12 j 13:50	16°♈22'46	2.63612 AU
	-3650 Jun 02 j 17:16	0°♉	
morning rise	-3650 Jun 14 j 22:00	7°♉47'46	
	-3650 Jul 19 j 22:20	0°♊	
	-3650 Sep 05 j 18:27	0°♋	
	-3650 Oct 24 j 13:22	0°♌	
	-3650 Dec 15 j 05:42	0°♍	
	-3649 Feb 22 j 08:16	0°♎	
retrograde	-3649 Mar 16 j 21:55	2°♎55'08	
	-3649 Apr 07 j 22:43	30°℞♍	
opposition	-3649 Apr 17 j 19:58	27°♍13'16	0°56'59
greatest brilliancy	-3649 Apr 18 j 03:33	27°♍07'35	-2.7m
min. Earth dist.	-3649 Apr 24 j 19:24	25°♍08'05	0.41728 AU
desc. node	-3649 May 01 j 21:41	23°♍12'33	
direct	-3649 May 22 j 00:35	20°♍32'11	
	-3649 Jun 30 j 12:50	0°♎	
	-3649 Aug 22 j 11:02	0°♏	
	-3649 Oct 05 j 05:49	0°♐	
	-3649 Nov 16 j 16:07	0°♑	
	-3649 Dec 29 j 15:55	0°♒	
	-3648 Feb 11 j 22:53	0°♓	
asc. node	-3648 Mar 12 j 05:12	19°♓18'20	
	-3648 Mar 28 j 15:44	0°♈	
evening set	-3648 Apr 18 j 02:09	13°♈10'49	
	-3648 May 14 j 08:47	0°♉	
conjunction	-3648 Jun 05 j 01:30	13°♉50'11	0°44'13
minimum elong	-3648 Jun 05 j 00:14	13°♉48'10	0°44'17
max. Earth dist.	-3648 Jun 04 j 19:11	13°♉40'07	2.67097 AU
	-3648 Jun 30 j 09:30	0°♊	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

morning rise	-3648 Jul 20 j 15:10	12°♊57'31	
	-3648 Aug 16 j 01:44	0°♋	
	-3648 Oct 01 j 00:53	0°♌	
	-3648 Nov 15 j 08:07	0°♍	
	-3648 Dec 30 j 08:37	0°♎	
	-3647 Feb 14 j 02:41	0°♏	
desc. node	-3647 Mar 18 j 21:57	20°♏13'39	
	-3647 Apr 05 j 11:01	0°♐	
retrograde	-3647 Jun 03 j 03:24	18°♐27'31	
min. Earth dist.	-3647 Jun 30 j 03:31	14°♐01'29	0.38898 AU
greatest brilliancy	-3647 Jul 04 j 01:42	12°♐54'58	-2.8m
opposition	-3647 Jul 05 j 03:57	12°♐36'21	-6°19'49
direct	-3647 Aug 04 j 02:15	7°♐25'26	
	-3647 Oct 11 j 20:44	0°♑	
	-3647 Dec 02 j 15:20	0°♒	
	-3646 Jan 19 j 23:25	0°♓	
asc. node	-3646 Jan 28 j 03:52	5°♓07'29	
	-3646 Mar 08 j 21:12	0°♈	
	-3646 Apr 25 j 18:09	0°♉	
evening set	-3646 May 27 j 01:28	19°♉44'50	
	-3646 Jun 12 j 04:15	0°♊	
max. Earth dist.	-3646 Jun 28 j 18:50	10°♊39'01	2.65151 AU
conjunction	-3646 Jul 12 j 13:22	19°♊33'45	1°08'33
minimum elong	-3646 Jul 12 j 12:42	19°♊32'40	1°08'41
	-3646 Jul 28 j 12:44	0°♋	
morning rise	-3646 Aug 27 j 02:19	19°♋39'00	
	-3646 Sep 11 j 09:25	0°♌	
	-3646 Oct 24 j 16:24	0°♍	
	-3646 Dec 05 j 14:11	0°♎	
	-3645 Jan 15 j 12:41	0°♏	
desc. node	-3645 Feb 03 j 22:37	14°♏20'40	
	-3645 Feb 25 j 04:34	0°♐	
	-3645 Apr 07 j 22:01	0°♑	
	-3645 May 24 j 04:06	0°♒	
retrograde	-3645 Jul 31 j 06:34	24°♒14'35	
min. Earth dist.	-3645 Aug 30 j 03:48	18°♒08'21	0.50256 AU
opposition	-3645 Sep 06 j 22:36	15°♒16'07	-4°21'01
greatest brilliancy	-3645 Sep 05 j 20:05	15°♒40'37	-2.1m
direct	-3645 Oct 11 j 00:16	7°♒56'35	
asc. node	-3645 Dec 16 j 03:14	27°♒39'41	
	-3645 Dec 20 j 22:46	0°♓	
	-3644 Feb 14 j 07:13	0°♈	
	-3644 Apr 05 j 00:11	0°♉	
	-3644 May 23 j 14:09	0°♊	
evening set	-3644 Jul 03 j 16:50	26°♊23'50	
	-3644 Jul 09 j 04:30	0°♋	
max. Earth dist.	-3644 Jul 24 j 09:59	10°♋06'44	2.58016 AU
conjunction	-3644 Aug 20 j 11:49	28°♋30'24	1°04'51
minimum elong	-3644 Aug 20 j 12:56	28°♋32'20	1°04'58
	-3644 Aug 22 j 15:44	0°♌	
	-3644 Oct 04 j 01:30	0°♍	
morning rise	-3644 Oct 08 j 20:23	3°♍28'19	
	-3644 Nov 13 j 17:36	0°♎	
desc. node	-3644 Dec 21 j 22:16	29°♎00'51	
	-3644 Dec 23 j 05:07	0°♏	
	-3643 Jan 31 j 05:01	0°♐	
	-3643 Mar 11 j 14:41	0°♑	
	-3643 Apr 21 j 15:10	0°♒	
	-3643 Jun 05 j 07:53	0°♓	
	-3643 Jul 31 j 14:07	0°♈	
retrograde	-3643 Sep 09 j 20:11	9°♈08'18	
min. Earth dist.	-3643 Oct 14 j 21:35	1°♈05'14	0.61210 AU
	-3643 Oct 17 j 15:10	30°℞♓	
opposition	-3643 Oct 19 j 14:49	29°♓12'28	-0°33'12
greatest brilliancy	-3643 Oct 19 j 12:47	29°♓14'30	-1.6m
asc. node	-3643 Nov 02 j 02:37	24°♓15'45	
direct	-3643 Nov 26 j 10:27	20°♓22'20	
	-3642 Jan 09 j 13:29	0°♈	
	-3642 Mar 13 j 00:11	0°♉	
	-3642 May 03 j 16:51	0°♊	
	-3642 Jun 20 j 08:08	0°♋	
	-3642 Aug 03 j 22:37	0°♌	
evening set	-3642 Aug 15 j 17:54	8°♌15'07	
max. Earth dist.	-3642 Aug 30 j 19:59	18°♌59'32	2.46586 AU
	-3642 Sep 15 j 00:06	0°♍	
conjunction	-3642 Oct 07 j 22:14	17°♍00'31	0°21'54
minimum elong	-3642 Oct 07 j 23:33	17°♍02'59	0°21'56
	-3642 Oct 25 j 01:58	0°♎	
desc. node	-3642 Nov 08 j 19:28	11°♎18'09	
	-3642 Dec 02 j 21:23	0°♏	
morning rise	-3642 Dec 06 j 10:22	2°♏45'53	
	-3641 Jan 10 j 05:48	0°♐	
	-3641 Feb 17 j 23:57	0°♑	
	-3641 Mar 30 j 01:42	0°♒	
	-3641 May 11 j 10:45	0°♓	
	-3641 Jun 26 j 14:37	0°♈	
	-3641 Aug 20 j 13:31	0°♉	
asc. node	-3641 Sep 20 j 03:22	11°♉24'58	
retrograde	-3641 Oct 15 j 07:44	15°♉04'24	
min. Earth dist.	-3641 Nov 23 j 09:33	5°♉40'09	0.66757 AU
opposition	-3641 Nov 24 j 09:18	5°♉16'19	2°21'03
greatest brilliancy	-3641 Nov 24 j 06:08	5°♉19'29	-1.4m
	-3641 Dec 08 j 10:14	30°℞♈	
direct	-3640 Jan 03 j 13:38	25°♈36'35	
	-3640 Feb 01 j 04:37	0°♉	
	-3640 Apr 09 j 03:45	0°♊	
	-3640 May 29 j 23:13	0°♋	
	-3640 Jul 14 j 12:26	0°♌	
	-3640 Aug 25 j 17:18	0°♍	
desc. node	-3640 Sep 25 j 16:49	23°♍10'57	
	-3640 Oct 04 j 14:39	0°♎	
evening set	-3640 Oct 08 j 00:15	2°♎36'59	
	-3640 Nov 12 j 03:15	0°♏	
conjunction	-3640 Dec 10 j 05:21	22°♏07'30	-0°48'49
minimum elong	-3640 Dec 10 j 02:06	22°♏01'07	0°48'52
	-3640 Dec 20 j 05:40	0°♐	
max. Earth dist.	-3639 Jan 03 j 02:20	10°♐51'28	2.37868 AU
	-3639 Jan 27 j 19:40	0°♑	
morning rise	-3639 Feb 16 j 12:01	14°♑57'20	
	-3639 Mar 08 j 17:16	0°♒	
	-3639 Apr 19 j 15:07	0°♓	
	-3639 Jun 03 j 03:27	0°♈	
	-3639 Jul 21 j 04:18	0°♉	
asc. node	-3639 Aug 07 j 04:12	9°♉52'48	
	-3639 Sep 14 j 11:14	0°♊	
retrograde	-3639 Nov 18 j 11:24	18°♊42'13	
opposition	-3639 Dec 27 j 16:36	9°♊29'17	4°18'26
greatest brilliancy	-3639 Dec 28 j 00:49	9°♊21'10	-1.4m
min. Earth dist.	-3639 Dec 30 j 12:32	8°♊22'17	0.66019 AU
	-3638 Jan 28 j 21:34	30°℞♉	
direct	-3638 Feb 06 j 22:08	29°♉28'45	
	-3638 Feb 16 j 04:58	0°♊	
	-3638 May 05 j 00:13	0°♋	
	-3638 Jun 23 j 00:50	0°♌	
	-3638 Aug 05 j 07:18	0°♍	
desc. node	-3638 Aug 13 j 15:28	6°♍04'43	
	-3638 Sep 14 j 12:36	0°♎	
	-3638 Oct 23 j 03:33	0°♏	
	-3638 Nov 30 j 07:43	0°♐	
evening set	-3638 Dec 15 j 04:08	11°♐35'52	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3637 Jan 08 j 00:51	0°♉		
conjunction	-3637 Feb 16 j 22:12	29°♉51'40	-1°02'06	
minimum elong	-3637 Feb 17 j 00:06	29°♉55'09	1°02'13	
	-3637 Feb 17 j 02:45	0°♒		
max. Earth dist.	-3637 Mar 31 j 07:48	0°♓08'08	2.50125 AU	
	-3637 Mar 31 j 03:08	0°♓		
morning rise	-3637 Apr 17 j 09:09	11°♓53'13		
	-3637 May 14 j 08:23	0°♈		
asc. node	-3637 Jun 25 j 02:48	27°♈01'05		
	-3637 Jun 29 j 20:12	0°♉		
	-3637 Aug 17 j 23:15	0°♊		
	-3637 Oct 11 j 05:29	0°♋		
retrograde	-3637 Dec 28 j 08:16	24°♋48'24		
opposition	-3636 Feb 03 j 13:58	16°♋35'45	5°04'13	
greatest brilliancy	-3636 Feb 04 j 16:51	16°♋10'24	-1.7m	
min. Earth dist.	-3636 Feb 10 j 04:08	14°♋06'59	0.58885 AU	
direct	-3636 Mar 15 j 04:40	6°♋52'59		
	-3636 May 24 j 05:13	0°♌		
desc. node	-3636 Jun 30 j 13:57	22°♌41'41		
	-3636 Jul 11 j 11:41	0°♍		
	-3636 Aug 22 j 09:09	0°♎		
	-3636 Sep 30 j 19:58	0°♏		
	-3636 Nov 08 j 14:32	0°♐		
	-3636 Dec 17 j 21:11	0°♑		
	-3635 Jan 27 j 12:29	0°♒		
evening set	-3635 Feb 14 j 01:48	12°♒33'41		
	-3635 Mar 11 j 00:36	0°♓		
conjunction	-3635 Apr 10 j 01:28	20°♓23'55	-0°18'24	
minimum elong	-3635 Apr 10 j 02:21	20°♓25'23	0°18'24	
	-3635 Apr 24 j 11:58	0°♈		
max. Earth dist.	-3635 May 02 j 08:55	5°♈11'08	2.60789 AU	
asc. node	-3635 May 12 j 00:29	11°♈29'58		
morning rise	-3635 May 30 j 19:52	23°♈40'49		
	-3635 Jun 09 j 16:10	0°♉		
	-3635 Jul 27 j 03:35	0°♊		
	-3635 Sep 13 j 20:45	0°♋		
	-3635 Nov 04 j 00:09	0°♌		
	-3634 Jan 03 j 17:32	0°♍		
retrograde	-3634 Feb 18 j 03:46	10°♍11'08		
opposition	-3634 Mar 23 j 17:54	3°♍39'47	3°12'23	
greatest brilliancy	-3634 Mar 24 j 20:29	3°♍17'46	-2.3m	
min. Earth dist.	-3634 Apr 01 j 04:03	0°♍52'57	0.46579 AU	
	-3634 Apr 03 j 23:43	30°℞♌		
direct	-3634 Apr 29 j 17:03	25°♌41'45		
desc. node	-3634 May 18 j 13:30	28°♌03'02		
	-3634 May 25 j 14:55	0°♍		
	-3634 Jul 23 j 10:46	0°♎		
	-3634 Sep 05 j 02:23	0°♏		
	-3634 Oct 16 j 02:59	0°♐		
	-3634 Nov 26 j 00:56	0°♑		
	-3633 Jan 07 j 00:08	0°♒		
	-3633 Feb 19 j 13:47	0°♓		
asc. node	-3633 Mar 29 j 21:46	25°♓29'54		
evening set	-3633 Apr 02 j 20:41	28°♓05'20		
	-3633 Apr 05 j 18:52	0°♈		
conjunction	-3633 May 22 j 03:11	29°♈56'00	0°29'14	
minimum elong	-3633 May 22 j 02:09	29°♈54'21	0°29'17	
	-3633 May 22 j 05:41	0°♉		
max. Earth dist.	-3633 May 27 j 14:10	3°♉25'32	2.66387 AU	
morning rise	-3633 Jul 07 j 12:31	29°♉31'35		
	-3633 Jul 08 j 06:22	0°♊		
	-3633 Aug 24 j 06:28	0°♋		
	-3633 Oct 10 j 00:47	0°♌		
	-3633 Nov 25 j 20:40	0°♍		
	-3632 Jan 12 j 19:47	0°♎		
	-3632 Mar 06 j 01:24	0°♏		
desc. node	-3632 Apr 04 j 15:47	12°♏21'36		
retrograde	-3632 May 03 j 21:34	17°♏24'08		
opposition	-3632 Jun 03 j 09:13	12°♏20'33	-4°14'21	
greatest brilliancy	-3632 Jun 03 j 07:14	12°♏21'53	-2.9m	
min. Earth dist.	-3632 Jun 03 j 11:52	12°♏18'47	0.37655 AU	
direct	-3632 Jul 03 j 15:03	7°♏17'26		
	-3632 Sep 08 j 18:43	0°♐		
	-3632 Oct 28 j 08:12	0°♑		
	-3632 Dec 13 j 13:25	0°♒		
	-3631 Jan 28 j 16:37	0°♓		
asc. node	-3631 Feb 13 j 18:54	10°♓22'16		
	-3631 Mar 16 j 11:42	0°♈		
	-3631 May 02 j 19:00	0°♉		
evening set	-3631 May 12 j 05:17	5°♉58'18		
	-3631 Jun 18 j 23:53	0°♊		
max. Earth dist.	-3631 Jun 19 j 11:03	0°♊17'52	2.66558 AU	
conjunction	-3631 Jun 27 j 23:22	5°♊45'10	1°01'53	
minimum elong	-3631 Jun 27 j 22:16	5°♊43'25	1°02'00	
	-3631 Aug 04 j 09:53	0°♋		
morning rise	-3631 Aug 12 j 03:19	5°♋03'57		
	-3631 Sep 18 j 14:43	0°♌		
	-3631 Nov 01 j 12:16	0°♍		
	-3631 Dec 14 j 06:53	0°♎		
	-3630 Jan 25 j 08:27	0°♏		
desc. node	-3630 Feb 20 j 16:18	18°♏47'03		
	-3630 Mar 08 j 13:57	0°♐		
	-3630 Apr 22 j 07:48	0°♑		
	-3630 Jun 24 j 22:20	0°♒		
retrograde	-3630 Jul 11 j 10:58	1°♒54'35		
	-3630 Jul 27 j 16:39	30°℞♑		
min. Earth dist.	-3630 Aug 08 j 06:43	26°♑40'52	0.45188 AU	
greatest brilliancy	-3630 Aug 14 j 19:32	24°♑27'13	-2.4m	
opposition	-3630 Aug 16 j 07:35	23°♑56'16	-5°47'18	
direct	-3630 Sep 17 j 14:28	17°♑27'38		
	-3630 Nov 06 j 03:31	0°♒		
asc. node	-3629 Jan 01 j 17:58	29°♒07'05		
	-3629 Jan 03 j 07:15	0°♓		
	-3629 Feb 23 j 08:21	0°♈		
	-3629 Apr 13 j 14:44	0°♉		
	-3629 May 31 j 15:05	0°♊		
evening set	-3629 Jun 19 j 11:21	12°♊02'12		
max. Earth dist.	-3629 Jul 14 j 10:21	28°♊15'41	2.61391 AU	
	-3629 Jul 17 j 01:47	0°♋		
conjunction	-3629 Aug 05 j 09:13	12°♋50'10	1°10'19	
minimum elong	-3629 Aug 05 j 09:35	12°♋50'48	1°10'27	
	-3629 Aug 30 j 15:36	0°♌		
morning rise	-3629 Sep 21 j 15:38	15°♌18'12		
	-3629 Oct 12 j 08:05	0°♍		
	-3629 Nov 22 j 09:38	0°♎		
	-3628 Jan 01 j 07:42	0°♏		
desc. node	-3628 Jan 08 j 14:53	5°♏32'26		
	-3628 Feb 09 j 18:40	0°♐		
	-3628 Mar 20 j 17:23	0°♑		
	-3628 May 01 j 16:38	0°♒		
	-3628 Jun 18 j 06:51	0°♓		
retrograde	-3628 Aug 25 j 19:03	23°♓23'29		
min. Earth dist.	-3628 Sep 27 j 22:34	16°♓01'36	0.57438 AU	
opposition	-3628 Oct 04 j 00:43	13°♓38'34	-1°56'47	
greatest brilliancy	-3628 Oct 03 j 15:16	13°♓47'49	-1.8m	
direct	-3628 Nov 09 j 13:24	5°♓17'51		
asc. node	-3628 Nov 18 j 18:22	5°♓49'16		
	-3627 Jan 26 j 02:39	0°♈		
	-3627 Mar 22 j 07:20	0°♉		

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3627 May 11 j 09:34	0°♊	
	-3627 Jun 27 j 12:23	0°♋	
evening set	-3627 Jul 29 j 02:43	21°♋07'22	
	-3627 Aug 11 j 00:32	0°♌	
max. Earth dist.	-3627 Aug 13 j 23:03	2°♌02'27	2.51429 AU
conjunction	-3627 Sep 17 j 13:27	26°♌38'16	0°43'47
minimum elong	-3627 Sep 17 j 15:16	26°♌41'34	0°43'51
	-3627 Sep 22 j 04:22	0°♍	
	-3627 Nov 01 j 10:49	0°♎	
morning rise	-3627 Nov 11 j 05:39	7°♎27'21	
desc. node	-3627 Nov 25 j 13:19	18°♎27'14	
	-3627 Dec 10 j 11:14	0°♏	
	-3626 Jan 18 j 00:11	0°♐	
	-3626 Feb 25 j 22:21	0°♑	
	-3626 Apr 07 j 05:09	0°♒	
	-3626 May 20 j 02:05	0°♓	
	-3626 Jul 06 j 21:51	0°♈	
	-3626 Sep 14 j 14:43	0°♉	
retrograde	-3626 Oct 01 j 20:28	1°♉49'40	
asc. node	-3626 Oct 06 j 18:53	1°♉39'54	
	-3626 Oct 18 j 05:47	30°℞♈	
min. Earth dist.	-3626 Nov 08 j 11:45	22°♈53'42	0.65313 AU
opposition	-3626 Nov 10 j 22:48	21°♈54'23	1°20'20
greatest brilliancy	-3626 Nov 10 j 19:15	21°♈57'57	-1.4m
direct	-3626 Dec 20 j 08:21	12°♈30'24	
	-3625 Feb 21 j 14:20	0°♉	
	-3625 Apr 19 j 18:22	0°♊	
	-3625 Jun 07 j 21:46	0°♋	
	-3625 Jul 22 j 23:26	0°♌	
	-3625 Sep 03 j 01:56	0°♍	
evening set	-3625 Sep 16 j 00:03	9°♍33'33	
desc. node	-3625 Oct 13 j 10:53	0°♎20'05	
	-3625 Oct 13 j 00:24	0°♎	
max. Earth dist.	-3625 Oct 14 j 05:18	0°♎55'25	2.39292 AU
conjunction	-3625 Nov 14 j 03:20	24°♎55'09	-0°22'15
minimum elong	-3625 Nov 14 j 01:33	24°♎51'40	0°22'17
	-3625 Nov 20 j 14:53	0°♏	
	-3625 Dec 28 j 18:42	0°♐	
morning rise	-3624 Jan 20 j 00:15	17°♐21'50	
	-3624 Feb 05 j 09:08	0°♑	
	-3624 Mar 16 j 06:36	0°♒	
	-3624 Apr 27 j 05:58	0°♓	
	-3624 Jun 11 j 02:49	0°♈	
	-3624 Jul 30 j 13:16	0°♉	
asc. node	-3624 Aug 23 j 19:01	13°♉00'54	
	-3624 Oct 02 j 18:37	0°♊	
retrograde	-3624 Nov 04 j 13:20	5°♊46'38	
	-3624 Dec 04 j 14:26	30°℞♉	
opposition	-3624 Dec 14 j 05:41	26°♉17'22	3°39'50
greatest brilliancy	-3624 Dec 14 j 08:03	26°♉15'01	-1.3m
min. Earth dist.	-3624 Dec 15 j 13:47	25°♉45'25	0.67075 AU
direct	-3623 Jan 24 j 05:28	16°♉21'28	
	-3623 Mar 19 j 04:25	0°♊	
	-3623 May 15 j 10:09	0°♋	
	-3623 Jul 01 j 12:58	0°♌	
	-3623 Aug 13 j 05:47	0°♍	
desc. node	-3623 Aug 30 j 08:18	12°♍37'52	
	-3623 Sep 22 j 06:28	0°♎	
	-3623 Oct 30 j 19:28	0°♏	
evening set	-3623 Nov 17 j 20:46	14°♏13'05	
	-3623 Dec 07 j 22:00	0°♐	
	-3622 Jan 15 j 12:56	0°♑	
conjunction	-3622 Jan 22 j 14:39	5°♑24'01	-1°07'30
minimum elong	-3622 Jan 22 j 14:33	5°♑23'51	1°07'38

	-3622 Feb 24 j 11:52	0°♒	
max. Earth dist.	-3622 Mar 12 j 09:50	11°♒34'33	2.44941 AU
morning rise	-3622 Mar 27 j 10:26	22°♒18'03	
	-3622 Apr 07 j 09:37	0°♓	
	-3622 May 21 j 14:57	0°♈	
	-3622 Jul 07 j 11:18	0°♉	
asc. node	-3622 Jul 11 j 18:44	2°♉39'58	
	-3622 Aug 26 j 23:15	0°♊	
	-3622 Oct 26 j 21:38	0°♋	
retrograde	-3622 Dec 11 j 20:18	10°♋17'18	
opposition	-3621 Jan 19 j 00:37	1°♋37'13	4°57'35
greatest brilliancy	-3621 Jan 19 j 20:14	1°♋18'17	-1.5m
	-3621 Jan 23 j 05:21	30°℞♊	
min. Earth dist.	-3621 Jan 24 j 04:42	29°♊37'37	0.62436 AU
direct	-3621 Mar 01 j 03:28	21°♊40'40	
	-3621 Apr 09 j 14:23	0°♋	
	-3621 Jun 06 j 23:59	0°♌	
desc. node	-3621 Jul 18 j 07:44	27°♌14'11	
	-3621 Jul 22 j 06:17	0°♍	
	-3621 Sep 01 j 05:12	0°♎	
	-3621 Oct 10 j 04:51	0°♏	
	-3621 Nov 17 j 15:23	0°♐	
	-3621 Dec 26 j 14:48	0°♑	
evening set	-3620 Jan 23 j 22:07	21°♑10'48	
	-3620 Feb 04 j 23:05	0°♒	
	-3620 Mar 18 j 05:04	0°♓	
conjunction	-3620 Mar 22 j 04:51	2°♓45'37	-0°37'42
minimum elong	-3620 Mar 22 j 06:41	2°♓48'46	0°37'45
max. Earth dist.	-3620 Apr 21 j 00:19	23°♓00'32	2.57179 AU
	-3620 May 01 j 12:22	0°♈	
morning rise	-3620 May 14 j 18:37	8°♈43'42	
asc. node	-3620 May 28 j 16:12	17°♈46'27	
	-3620 Jun 16 j 17:10	0°♉	
	-3620 Aug 03 j 14:35	0°♊	
	-3620 Sep 22 j 15:38	0°♋	
	-3620 Nov 17 j 05:20	0°♌	
retrograde	-3619 Jan 26 j 05:20	20°♌53'04	
opposition	-3619 Mar 02 j 11:45	13°♌35'53	4°26'24
greatest brilliancy	-3619 Mar 03 j 20:30	13°♌06'51	-2.0m
min. Earth dist.	-3619 Mar 10 j 18:25	10°♌40'20	0.51797 AU
direct	-3619 Apr 10 j 10:13	4°♌41'01	
desc. node	-3619 Jun 04 j 07:29	20°♌53'58	
	-3619 Jun 20 j 22:00	0°♍	
	-3619 Aug 05 j 21:19	0°♎	
	-3619 Sep 15 j 22:16	0°♏	
	-3619 Oct 25 j 15:47	0°♐	
	-3619 Dec 04 j 16:23	0°♑	
	-3618 Jan 14 j 22:53	0°♒	
	-3618 Feb 26 j 23:39	0°♓	
evening set	-3618 Mar 16 j 13:17	11°♓53'33	
	-3618 Apr 12 j 19:41	0°♈	
asc. node	-3618 Apr 15 j 12:48	1°♈46'54	
conjunction	-3618 May 06 j 14:54	15°♈31'24	0°12'00
minimum elong	-3618 May 06 j 14:24	15°♈30'36	0°12'02
behind sun begin	-3618 May 06 j 01:01	15°♈08'57	
behind sun end	-3618 May 07 j 03:47	15°♈52'15	
max. Earth dist.	-3618 May 18 j 07:50	23°♈04'54	2.64834 AU
	-3618 May 29 j 02:15	0°♉	
morning rise	-3618 Jun 23 j 07:16	16°♉05'45	
	-3618 Jul 15 j 04:52	0°♊	
	-3618 Aug 31 j 16:18	0°♋	
	-3618 Oct 18 j 13:50	0°♌	
	-3618 Dec 06 j 21:35	0°♍	
	-3617 Jan 30 j 19:25	0°♎	
retrograde	-3617 Apr 02 j 22:48	18°♎03'15	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

desc. node	-3617 Apr 22 j 07:24	15°♎47'26	
opposition	-3617 May 03 j 22:55	12°♎45'39	-0°49'50
greatest brilliancy	-3617 May 04 j 02:24	12°♎43'11	-2.8m
min. Earth dist.	-3617 May 09 j 03:42	11°♎18'02	0.39603 AU
direct	-3617 Jun 05 j 10:52	6°♎49'17	
	-3617 Aug 11 j 01:03	0°♏	
	-3617 Sep 27 j 09:51	0°♐	
	-3617 Nov 10 j 06:48	0°♑	
	-3617 Dec 24 j 01:44	0°♒	
	-3616 Feb 06 j 20:37	0°♓	
asc. node	-3616 Mar 02 j 10:55	16°♓07'54	
	-3616 Mar 23 j 20:38	0°♈	
evening set	-3616 Apr 27 j 01:13	21°♈54'45	
	-3616 May 09 j 17:43	0°♉	
max. Earth dist.	-3616 Jun 10 j 05:09	20°♉02'47	2.67135 AU
conjunction	-3616 Jun 13 j 11:30	22°♉07'43	0°51'39
minimum elong	-3616 Jun 13 j 10:13	22°♉05'40	0°51'44
	-3616 Jun 25 j 19:23	0°♊	
morning rise	-3616 Jul 28 j 18:36	21°♊11'00	
	-3616 Aug 11 j 09:01	0°♋	
	-3616 Sep 26 j 01:00	0°♌	
	-3616 Nov 09 j 18:11	0°♍	
	-3616 Dec 23 j 18:57	0°♎	
	-3615 Feb 05 j 17:41	0°♏	
desc. node	-3615 Mar 09 j 08:30	21°♏03'16	
	-3615 Mar 23 j 08:32	0°♐	
	-3615 May 19 j 22:24	0°♑	
retrograde	-3615 Jun 18 j 06:45	5°♑32'03	
min. Earth dist.	-3615 Jul 14 j 21:42	0°♑58'39	0.40714 AU
	-3615 Jul 18 j 03:45	30°℞♐	
greatest brilliancy	-3615 Jul 20 j 05:15	29°♐22'10	-2.7m
opposition	-3615 Jul 21 j 16:01	28°♐55'36	-6°33'42
direct	-3615 Aug 21 j 08:28	23°♐20'38	
	-3615 Sep 24 j 08:31	0°♑	
	-3615 Nov 24 j 12:13	0°♒	
	-3614 Jan 13 j 21:37	0°♓	
asc. node	-3614 Jan 18 j 09:47	2°♓45'07	
	-3614 Mar 03 j 15:54	0°♈	
	-3614 Apr 20 j 22:49	0°♉	
evening set	-3614 Jun 04 j 13:50	28°♉06'14	
	-3614 Jun 07 j 13:19	0°♊	
max. Earth dist.	-3614 Jul 04 j 11:39	17°♊18'07	2.64027 AU
conjunction	-3614 Jul 21 j 02:21	28°♊08'10	1°10'32
minimum elong	-3614 Jul 21 j 02:01	28°♊07'37	1°10'40
	-3614 Jul 23 j 22:27	0°♋	
morning rise	-3614 Sep 05 j 01:47	28°♋53'19	
	-3614 Sep 06 j 16:51	0°♌	
	-3614 Oct 19 j 18:30	0°♍	
	-3614 Nov 30 j 08:39	0°♎	
	-3613 Jan 09 j 21:11	0°♏	
desc. node	-3613 Jan 25 j 08:31	11°♏33'58	
	-3613 Feb 19 j 00:17	0°♐	
	-3613 Mar 31 j 20:47	0°♑	
	-3613 May 14 j 18:12	0°♒	
	-3613 Jul 11 j 04:16	0°♓	
retrograde	-3613 Aug 10 j 10:28	5°♓48'07	
	-3613 Sep 08 j 09:29	30°℞♒	
min. Earth dist.	-3613 Sep 10 j 11:50	29°♒13'48	0.52952 AU
opposition	-3613 Sep 17 j 19:08	26°♒27'48	-3°27'41
greatest brilliancy	-3613 Sep 16 j 23:14	26°♒46'40	-2.0m
direct	-3613 Oct 22 j 19:42	18°♒44'04	
asc. node	-3613 Dec 06 j 09:01	28°♒50'20	
	-3613 Dec 09 j 07:00	0°♓	
	-3612 Feb 07 j 18:56	0°♈	
	-3612 Mar 30 j 17:15	0°♉	
	-3612 May 18 j 18:29	0°♊	
	-3612 Jul 04 j 13:00	0°♋	
evening set	-3612 Jul 12 j 17:12	5°♋23'53	
max. Earth dist.	-3612 Jul 31 j 09:24	17°♋55'18	2.55819 AU
	-3612 Aug 18 j 00:47	0°♌	
conjunction	-3612 Aug 30 j 06:27	8°♌31'35	0°58'59
minimum elong	-3612 Aug 30 j 07:56	8°♌34'12	0°59'05
	-3612 Sep 29 j 08:31	0°♍	
morning rise	-3612 Oct 20 j 05:14	15°♍18'00	
	-3612 Nov 08 j 21:17	0°♎	
desc. node	-3612 Dec 12 j 06:15	25°♎25'50	
	-3612 Dec 18 j 04:41	0°♏	
	-3611 Jan 26 j 00:12	0°♐	
	-3611 Mar 06 j 04:49	0°♑	
	-3611 Apr 15 j 20:32	0°♒	
	-3611 May 29 j 14:54	0°♓	
	-3611 Jul 19 j 23:29	0°♈	
retrograde	-3611 Sep 18 j 01:04	17°♈56'18	
asc. node	-3611 Oct 23 j 09:22	9°♈49'09	
min. Earth dist.	-3611 Oct 24 j 01:38	9°♈33'00	0.62920 AU
opposition	-3611 Oct 27 j 23:38	7°♈58'57	0°11'02
greatest brilliancy	-3611 Oct 27 j 22:57	7°♈59'38	-1.6m
	-3611 Nov 22 j 13:24	30°℞♓	
direct	-3611 Dec 05 j 09:54	28°♓55'16	
	-3611 Dec 18 j 21:41	0°♈	
	-3610 Mar 06 j 04:52	0°♉	
	-3610 Apr 28 j 08:41	0°♊	
	-3610 Jun 15 j 11:29	0°♋	
	-3610 Jul 30 j 06:07	0°♌	
evening set	-3610 Aug 26 j 11:24	19°♌12'35	
	-3610 Sep 10 j 08:07	0°♍	
max. Earth dist.	-3610 Sep 11 j 22:24	1°♍10'12	2.43811 AU
conjunction	-3610 Oct 20 j 14:29	0°♎10'45	0°06'47
minimum elong	-3610 Oct 20 j 14:57	0°♎11'39	0°06'47
behind sun begin	-3610 Oct 19 j 16:06	29°♍28'00	
behind sun end	-3610 Oct 21 j 13:48	0°♎55'20	
	-3610 Oct 20 j 08:51	0°♎	
desc. node	-3610 Oct 30 j 04:37	7°♎32'26	
	-3610 Nov 28 j 02:14	0°♏	
morning rise	-3610 Dec 22 j 01:49	18°♏48'17	
	-3609 Jan 05 j 08:28	0°♐	
	-3609 Feb 13 j 00:36	0°♑	
	-3609 Mar 24 j 23:38	0°♒	
	-3609 May 06 j 03:15	0°♓	
	-3609 Jun 20 j 15:22	0°♈	
	-3609 Aug 11 j 15:49	0°♉	
asc. node	-3609 Sep 10 j 10:01	13°♉34'18	
retrograde	-3609 Oct 23 j 01:04	22°♉57'09	
opposition	-3609 Dec 02 j 00:19	13°♉14'57	2°52'28
greatest brilliancy	-3609 Dec 01 j 22:31	13°♉16'44	-1.3m
min. Earth dist.	-3609 Dec 01 j 20:37	13°♉18'39	0.67155 AU
direct	-3608 Jan 11 j 12:46	3°♉28'15	
	-3608 Apr 02 j 00:27	0°♊	
	-3608 May 24 j 11:27	0°♋	
	-3608 Jul 09 j 12:47	0°♌	
	-3608 Aug 20 j 21:56	0°♍	
desc. node	-3608 Sep 16 j 03:09	19°♍31'47	
	-3608 Sep 29 j 20:43	0°♎	
evening set	-3608 Oct 22 j 02:19	17°♎13'42	
	-3608 Nov 07 j 09:17	0°♏	
	-3608 Dec 15 j 11:10	0°♐	
conjunction	-3608 Dec 26 j 00:52	8°♐17'22	-0°59'34
minimum elong	-3608 Dec 25 j 22:07	8°♐12'01	0°59'39
	-3607 Jan 23 j 00:39	0°♑	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

max. Earth dist.	-3607 Feb 08 j 22:58	12°♋53'37	2.39848 AU
morning rise	-3607 Mar 03 j 11:56	29°♋42'25	
	-3607 Mar 03 j 21:30	0°♒	
	-3607 Apr 14 j 17:49	0°♓	
	-3607 May 29 j 01:40	0°♈	
	-3607 Jul 15 j 12:20	0°♉	
asc. node	-3607 Jul 28 j 09:04	7°♉42'18	
	-3607 Sep 06 j 08:36	0°♊	
retrograde	-3607 Nov 26 j 17:48	26°♊42'50	
opposition	-3606 Jan 04 j 15:35	17°♊40'33	4°36'06
greatest brilliancy	-3606 Jan 05 j 03:43	17°♊28'39	-1.4m
min. Earth dist.	-3606 Jan 08 j 07:53	16°♊14'04	0.65020 AU
direct	-3606 Feb 14 j 22:09	7°♊39'35	
	-3606 Apr 27 j 02:16	0°♋	
	-3606 Jun 17 j 04:09	0°♌	
	-3606 Jul 31 j 00:33	0°♍	
desc. node	-3606 Aug 04 j 01:03	2°♍53'45	
	-3606 Sep 09 j 11:35	0°♎	
	-3606 Oct 18 j 05:18	0°♏	
	-3606 Nov 25 j 11:11	0°♐	
evening set	-3606 Dec 30 j 02:03	26°♐49'30	
	-3605 Jan 03 j 05:47	0°♑	
	-3605 Feb 12 j 08:50	0°♒	
conjunction	-3605 Mar 02 j 00:50	12°♒47'16	-0°54'45
minimum elong	-3605 Mar 02 j 03:05	12°♒51'17	0°54'51
	-3605 Mar 26 j 09:51	0°♓	
max. Earth dist.	-3605 Apr 08 j 21:57	9°♓19'33	2.52787 AU
morning rise	-3605 Apr 28 j 05:29	22°♓25'04	
	-3605 May 09 j 14:23	0°♈	
asc. node	-3605 Jun 15 j 07:59	23°♈54'19	
	-3605 Jun 24 j 21:55	0°♉	
	-3605 Aug 12 j 10:52	0°♊	
	-3605 Oct 03 j 15:40	0°♋	
	-3605 Dec 11 j 02:05	0°♌	
retrograde	-3604 Jan 07 j 12:06	4°♌04'06	
	-3604 Feb 01 j 23:51	30°℞♋	
opposition	-3604 Feb 13 j 03:04	26°♋09'16	4°58'21
greatest brilliancy	-3604 Feb 14 j 09:19	25°♋41'15	-1.8m
min. Earth dist.	-3604 Feb 20 j 10:35	23°♋27'04	0.56560 AU
direct	-3604 Mar 24 j 07:19	16°♋38'54	
	-3604 May 13 j 09:32	0°♌	
desc. node	-3604 Jun 20 j 23:35	21°♌16'20	
	-3604 Jul 04 j 14:37	0°♍	
	-3604 Aug 16 j 11:10	0°♎	
	-3604 Sep 25 j 08:05	0°♏	
	-3604 Nov 03 j 08:46	0°♐	
	-3604 Dec 12 j 20:17	0°♑	
	-3603 Jan 22 j 15:35	0°♒	
evening set	-3603 Feb 25 j 15:35	24°♒01'56	
	-3603 Mar 06 j 06:55	0°♓	
	-3603 Apr 19 j 20:12	0°♈	
conjunction	-3603 Apr 20 j 01:52	0°♈09'21	-0°07'04
minimum elong	-3603 Apr 20 j 02:11	0°♈09'52	0°07'03
behind sun begin	-3603 Apr 19 j 06:54	29°♓38'02	
behind sun end	-3603 Apr 20 j 21:28	0°♈41'40	
asc. node	-3603 May 02 j 05:58	8°♈09'10	
max. Earth dist.	-3603 May 08 j 11:07	12°♈12'33	2.62448 AU
	-3603 Jun 05 j 00:09	0°♉	
morning rise	-3603 Jun 08 j 14:06	2°♉17'38	
	-3603 Jul 22 j 07:00	0°♊	
	-3603 Sep 08 j 10:58	0°♋	
	-3603 Oct 28 j 02:21	0°♌	
	-3603 Dec 21 j 09:16	0°♍	
retrograde	-3602 Mar 04 j 16:14	22°♍56'54	
opposition	-3602 Apr 06 j 08:28	16°♍52'45	2°03'45
greatest brilliancy	-3602 Apr 07 j 01:40	16°♍39'10	-2.5m
min. Earth dist.	-3602 Apr 14 j 05:40	14°♍24'24	0.43806 AU
desc. node	-3602 May 09 j 00:17	9°♍38'37	
direct	-3602 May 11 j 20:16	9°♍35'14	
	-3602 Jul 12 j 06:21	0°♎	
	-3602 Aug 28 j 09:17	0°♏	
	-3602 Oct 09 j 15:54	0°♐	
	-3602 Nov 20 j 06:56	0°♑	
	-3601 Jan 01 j 17:32	0°♒	
	-3601 Feb 14 j 15:06	0°♓	
asc. node	-3601 Mar 20 j 02:54	22°♓12'09	
	-3601 Apr 01 j 01:26	0°♈	
evening set	-3601 Apr 12 j 06:15	7°♈16'01	
	-3601 May 17 j 15:05	0°♉	
conjunction	-3601 May 30 j 18:06	8°♉23'08	0°38'15
minimum elong	-3601 May 30 j 16:55	8°♉21'13	0°38'19
max. Earth dist.	-3601 Jun 01 j 23:34	9°♉48'25	2.66881 AU
	-3601 Jul 03 j 15:25	0°♊	
morning rise	-3601 Jul 15 j 15:13	7°♊39'29	
	-3601 Aug 19 j 11:02	0°♋	
	-3601 Oct 04 j 18:16	0°♌	
	-3601 Nov 19 j 15:55	0°♍	
	-3600 Jan 04 j 18:09	0°♎	
	-3600 Feb 21 j 16:26	0°♏	
desc. node	-3600 Mar 26 j 01:00	18°♏33'17	
	-3600 Apr 21 j 19:21	0°♐	
retrograde	-3600 May 21 j 09:14	5°♐20'24	
min. Earth dist.	-3600 Jun 18 j 13:03	0°♐46'04	0.37973 AU
opposition	-3600 Jun 21 j 12:08	29°♏57'52	-5°41'14
greatest brilliancy	-3600 Jun 20 j 20:34	0°♐08'26	-2.9m
	-3600 Jun 21 j 08:59	30°℞♏	
direct	-3600 Jul 21 j 06:00	24°♏57'41	
	-3600 Aug 19 j 04:21	0°♐	
	-3600 Oct 19 j 06:49	0°♑	
	-3600 Dec 06 j 22:57	0°♒	
	-3599 Jan 23 j 03:39	0°♓	
asc. node	-3599 Feb 04 j 01:20	7°♓33'48	
	-3599 Mar 11 j 11:58	0°♈	
	-3599 Apr 28 j 02:19	0°♉	
evening set	-3599 May 20 j 17:58	14°♉18'39	
	-3599 Jun 14 j 10:08	0°♊	
max. Earth dist.	-3599 Jun 24 j 21:33	6°♊42'25	2.65884 AU
conjunction	-3599 Jul 06 j 07:17	14°♊03'03	1°06'13
minimum elong	-3599 Jul 06 j 06:24	14°♊01'39	1°06'20
	-3599 Jul 30 j 19:45	0°♋	
morning rise	-3599 Aug 20 j 14:42	13°♋43'34	
	-3599 Sep 13 j 20:36	0°♌	
	-3599 Oct 27 j 10:15	0°♍	
	-3599 Dec 08 j 17:04	0°♎	
	-3598 Jan 19 j 02:22	0°♏	
desc. node	-3598 Feb 11 j 01:11	16°♏44'13	
	-3598 Mar 01 j 07:48	0°♐	
	-3598 Apr 12 j 23:42	0°♑	
	-3598 Jun 01 j 07:48	0°♒	
retrograde	-3598 Jul 23 j 01:32	15°♒26'55	
min. Earth dist.	-3598 Aug 20 j 23:30	9°♒44'49	0.47994 AU
greatest brilliancy	-3598 Aug 27 j 17:23	7°♒20'10	-2.3m
opposition	-3598 Aug 29 j 00:43	6°♒52'05	-5°00'19
	-3598 Sep 27 j 13:04	30°℞♑	
direct	-3598 Oct 01 j 07:45	29°♑54'18	
	-3598 Oct 05 j 03:42	0°♒	
asc. node	-3598 Dec 23 j 00:35	28°♒13'15	
	-3598 Dec 26 j 09:28	0°♓	
	-3597 Feb 17 j 13:21	0°♈	
	-3597 Apr 08 j 14:12	0°♉	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3597 May 26 j 22:24	0°♊	
evening set	-3597 Jun 28 j 02:53	20°♊36'07	
	-3597 Jul 12 j 11:58	0°♋	
max. Earth dist.	-3597 Jul 20 j 16:18	5°♋24'19	2.59626 AU
conjunction	-3597 Aug 14 j 10:34	22°♋02'36	1°07'50
minimum elong	-3597 Aug 14 j 11:22	22°♋03'57	1°07'58
	-3597 Aug 26 j 01:27	0°♌	
morning rise	-3597 Oct 01 j 17:58	25°♌46'40	
	-3597 Oct 07 j 15:02	0°♍	
	-3597 Nov 17 j 11:55	0°♎	
	-3597 Dec 27 j 04:12	0°♏	
desc. node	-3597 Dec 30 j 01:08	2°♏11'41	
	-3596 Feb 04 j 08:21	0°♐	
	-3596 Mar 14 j 22:25	0°♑	
	-3596 Apr 25 j 05:32	0°♒	
	-3596 Jun 09 j 18:02	0°♓	
	-3596 Aug 12 j 16:27	0°♈	
retrograde	-3596 Sep 03 j 14:00	3°♈01'43	
	-3596 Sep 24 j 06:50	30°℞♓	
min. Earth dist.	-3596 Oct 07 j 19:30	25°♓15'59	0.59633 AU
opposition	-3596 Oct 13 j 03:24	23°♓09'23	-1°07'17
greatest brilliancy	-3596 Oct 12 j 22:38	23°♓14'06	-1.7m
asc. node	-3596 Nov 08 j 23:48	15°♓14'11	
direct	-3596 Nov 19 j 09:54	14°♓31'21	
	-3595 Jan 16 j 15:48	0°♈	
	-3595 Mar 16 j 08:02	0°♉	
	-3595 May 06 j 07:47	0°♊	
	-3595 Jun 22 j 18:35	0°♋	
	-3595 Aug 06 j 09:22	0°♌	
evening set	-3595 Aug 07 j 23:07	1°♌05'26	
max. Earth dist.	-3595 Aug 23 j 00:44	11°♌39'13	2.48800 AU
	-3595 Sep 17 j 12:57	0°♍	
conjunction	-3595 Sep 28 j 19:09	8°♍16'30	0°32'05
minimum elong	-3595 Sep 28 j 20:49	8°♍19'35	0°32'07
	-3595 Oct 27 j 17:45	0°♎	
desc. node	-3595 Nov 15 j 22:59	14°♎43'41	
morning rise	-3595 Nov 25 j 00:37	21°♎44'22	
	-3595 Dec 05 j 15:48	0°♏	
	-3594 Jan 13 j 02:00	0°♐	
	-3594 Feb 20 j 21:14	0°♑	
	-3594 Apr 01 j 23:43	0°♒	
	-3594 May 14 j 11:13	0°♓	
	-3594 Jun 30 j 02:14	0°♈	
	-3594 Aug 27 j 01:38	0°♉	
asc. node	-3594 Sep 27 j 00:22	8°♉57'25	
retrograde	-3594 Oct 09 j 15:31	9°♉56'48	
min. Earth dist.	-3594 Nov 17 j 02:36	0°♉44'26	0.66234 AU
opposition	-3594 Nov 18 j 17:49	0°♉05'02	1°56'49
	-3594 Nov 18 j 22:50	30°℞♈	
greatest brilliancy	-3594 Nov 18 j 14:05	0°♉08'47	-1.4m
direct	-3594 Dec 28 j 14:04	20°♈31'41	
	-3593 Feb 10 j 14:31	0°♉	
	-3593 Apr 13 j 15:07	0°♊	
	-3593 Jun 02 j 17:44	0°♋	
	-3593 Jul 18 j 03:22	0°♌	
	-3593 Aug 29 j 08:19	0°♍	
evening set	-3593 Sep 28 j 16:08	22°♍39'14	
desc. node	-3593 Oct 03 j 20:14	26°♍35'39	
	-3593 Oct 08 j 07:02	0°♎	
	-3593 Nov 15 j 20:50	0°♏	
max. Earth dist.	-3593 Nov 18 j 12:33	2°♏05'11	2.37696 AU
conjunction	-3593 Nov 29 j 03:34	10°♏26'56	-0°38'07
minimum elong	-3593 Nov 29 j 00:40	10°♏21'14	0°38'11
	-3593 Dec 23 j 23:40	0°♐	

	-3592 Jan 31 j 13:15	0°♑	
morning rise	-3592 Feb 05 j 07:19	3°♑38'27	
	-3592 Mar 11 j 09:41	0°♒	
	-3592 Apr 22 j 06:29	0°♓	
	-3592 Jun 05 j 20:13	0°♈	
	-3592 Jul 24 j 06:45	0°♉	
asc. node	-3592 Aug 14 j 01:24	11°♉46'24	
	-3592 Sep 19 j 20:50	0°♊	
retrograde	-3592 Nov 12 j 11:50	13°♊37'45	
opposition	-3592 Dec 21 j 22:35	4°♊17'13	4°03'19
greatest brilliancy	-3592 Dec 22 j 04:04	4°♊11'47	-1.3m
min. Earth dist.	-3592 Dec 24 j 02:54	3°♊25'24	0.66619 AU
	-3591 Jan 02 j 02:17	30°℞♉	
direct	-3591 Feb 01 j 02:12	24°♉18'02	
	-3591 Mar 05 j 20:01	0°♊	
	-3591 May 08 j 22:33	0°♋	
	-3591 Jun 26 j 03:29	0°♌	
	-3591 Aug 08 j 05:02	0°♍	
desc. node	-3591 Aug 20 j 18:28	9°♍11'59	
	-3591 Sep 17 j 09:10	0°♎	
	-3591 Oct 25 j 23:32	0°♏	
evening set	-3591 Dec 03 j 07:21	0°♐09'19	
	-3591 Dec 03 j 02:36	0°♐	
	-3590 Jan 10 j 17:59	0°♑	
conjunction	-3590 Feb 06 j 06:13	20°♑02'18	-1°05'45
minimum elong	-3590 Feb 06 j 07:30	20°♑04'41	1°05'53
	-3590 Feb 19 j 17:24	0°♒	
max. Earth dist.	-3590 Mar 23 j 20:37	23°♒08'32	2.47839 AU
	-3590 Apr 02 j 15:05	0°♓	
morning rise	-3590 Apr 08 j 16:16	4°♓12'15	
	-3590 May 16 j 18:49	0°♈	
asc. node	-3590 Jul 01 j 24:00	29°♈46'57	
	-3590 Jul 02 j 08:19	0°♉	
	-3590 Aug 20 j 21:44	0°♊	
	-3590 Oct 16 j 02:12	0°♋	
retrograde	-3590 Dec 21 j 02:06	18°♋55'02	
opposition	-3589 Jan 27 j 18:37	10°♋29'33	5°03'09
greatest brilliancy	-3589 Jan 28 j 18:26	10°♋06'50	-1.6m
min. Earth dist.	-3589 Feb 02 j 18:11	8°♋12'52	0.60588 AU
direct	-3589 Mar 09 j 16:05	0°♋39'11	
	-3589 May 30 j 10:54	0°♌	
desc. node	-3589 Jul 08 j 17:03	24°♌49'05	
	-3589 Jul 16 j 06:39	0°♍	
	-3589 Aug 26 j 18:19	0°♎	
	-3589 Oct 05 j 00:17	0°♏	
	-3589 Nov 12 j 14:42	0°♐	
	-3589 Dec 21 j 17:10	0°♑	
	-3588 Jan 31 j 04:03	0°♒	
evening set	-3588 Feb 05 j 18:27	4°♒03'10	
	-3588 Mar 13 j 11:54	0°♓	
conjunction	-3588 Apr 02 j 04:04	13°♓28'26	-0°26'41
minimum elong	-3588 Apr 02 j 05:22	13°♓30'38	0°26'43
	-3588 Apr 26 j 20:08	0°♈	
max. Earth dist.	-3588 Apr 27 j 17:24	0°♈35'11	2.59266 AU
asc. node	-3588 May 18 j 21:38	14°♈28'37	
morning rise	-3588 May 24 j 02:35	17°♈51'24	
	-3588 Jun 11 j 23:23	0°♉	
	-3588 Jul 29 j 13:52	0°♊	
	-3588 Sep 16 j 18:29	0°♋	
	-3588 Nov 08 j 08:39	0°♌	
	-3587 Jan 20 j 08:05	0°♍	
retrograde	-3587 Feb 07 j 19:13	1°♍56'01	
	-3587 Feb 25 j 06:32	30°℞♌	
opposition	-3587 Mar 14 j 03:42	25°♌03'18	3°49'59
greatest brilliancy	-3587 Mar 15 j 10:15	24°♌37'06	-2.2m

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

min. Earth dist.	-3587 Mar 22 j 14:59	22°♌09'33	0.48916 AU
direct	-3587 Apr 21 j 01:42	16°♌37'02	
desc. node	-3587 May 25 j 16:00	23°♌52'58	
	-3587 Jun 08 j 16:52	0°♍	
	-3587 Jul 29 j 04:47	0°♎	
	-3587 Sep 09 j 11:39	0°♏	
	-3587 Oct 19 j 20:17	0°♐	
	-3587 Nov 29 j 07:03	0°♑	
	-3586 Jan 09 j 21:18	0°♒	
	-3586 Feb 22 j 03:38	0°♓	
evening set	-3586 Mar 26 j 14:17	21°♓44'13	
asc. node	-3586 Apr 05 j 19:19	28°♓27'50	
	-3586 Apr 08 j 03:30	0°♈	
conjunction	-3586 May 15 j 14:19	24°♈17'48	0°22'14
minimum elong	-3586 May 15 j 13:29	24°♈16'27	0°22'17
max. Earth dist.	-3586 May 23 j 20:40	29°♈36'07	2.65795 AU
	-3586 May 24 j 11:34	0°♉	
morning rise	-3586 Jul 01 j 11:59	24°♉15'32	
	-3586 Jul 10 j 12:36	0°♊	
	-3586 Aug 26 j 17:26	0°♋	
	-3586 Oct 12 j 22:35	0°♌	
	-3586 Nov 29 j 16:36	0°♍	
	-3585 Jan 18 j 19:02	0°♎	
	-3585 Mar 23 j 18:24	0°♏	
desc. node	-3585 Apr 12 j 18:02	4°♏08'12	
retrograde	-3585 Apr 20 j 21:38	4°♏33'07	
	-3585 May 19 j 11:10	30°℞♎	
opposition	-3585 May 21 j 07:38	29°♎30'10	-2°48'02
greatest brilliancy	-3585 May 21 j 12:11	29°♎27'06	-2.9m
min. Earth dist.	-3585 May 23 j 21:55	28°♎48'09	0.38144 AU
direct	-3585 Jun 21 j 09:51	24°♎09'54	
	-3585 Jul 22 j 01:00	0°♏	
	-3585 Sep 17 j 22:17	0°♐	
	-3585 Nov 03 j 05:13	0°♑	
	-3585 Dec 18 j 03:51	0°♒	
	-3584 Feb 01 j 14:20	0°♓	
asc. node	-3584 Feb 21 j 16:19	13°♓03'37	
	-3584 Mar 18 j 23:48	0°♈	
evening set	-3584 May 05 j 19:41	0°♉28'01	
	-3584 May 05 j 02:02	0°♉	
max. Earth dist.	-3584 Jun 15 j 13:30	26°♉22'56	2.66926 AU
conjunction	-3584 Jun 21 j 19:31	0°♊22'34	0°58'00
minimum elong	-3584 Jun 21 j 18:19	0°♊20'39	0°58'06
	-3584 Jun 21 j 05:24	0°♊	
morning rise	-3584 Aug 05 j 23:14	29°♊30'22	
	-3584 Aug 06 j 17:25	0°♋	
	-3584 Sep 21 j 03:29	0°♌	
	-3584 Nov 04 j 09:46	0°♍	
	-3584 Dec 17 j 16:52	0°♎	
	-3583 Jan 29 j 11:36	0°♏	
desc. node	-3583 Feb 27 j 19:02	20°♏25'02	
	-3583 Mar 13 j 19:36	0°♐	
	-3583 Apr 30 j 07:22	0°♑	
retrograde	-3583 Jul 01 j 20:42	21°♑21'34	
min. Earth dist.	-3583 Jul 28 j 23:51	16°♑28'47	0.43040 AU
greatest brilliancy	-3583 Aug 04 j 03:29	14°♑28'51	-2.5m
opposition	-3583 Aug 05 j 16:58	13°♑58'09	-6°15'35
direct	-3583 Sep 06 j 05:02	7°♑54'05	
	-3583 Nov 14 j 13:06	0°♒	
	-3582 Jan 07 j 08:14	0°♓	
asc. node	-3582 Jan 08 j 14:51	0°♓45'07	
	-3582 Feb 26 j 06:21	0°♈	
	-3582 Apr 16 j 01:46	0°♉	
	-3582 Jun 02 j 21:57	0°♊	
evening set	-3582 Jun 13 j 02:31	6°♊29'37	
max. Earth dist.	-3582 Jul 10 j 06:19	24°♊02'10	2.62672 AU
	-3582 Jul 19 j 08:46	0°♋	
conjunction	-3582 Jul 29 j 18:28	6°♋52'32	1°11'00
minimum elong	-3582 Jul 29 j 18:31	6°♋52'38	1°11'07
	-3582 Sep 02 j 01:26	0°♌	
morning rise	-3582 Sep 14 j 08:42	8°♌28'51	
	-3582 Oct 14 j 22:44	0°♍	
	-3582 Nov 25 j 06:15	0°♎	
	-3581 Jan 04 j 10:48	0°♏	
desc. node	-3581 Jan 15 j 17:38	8°♏30'56	
	-3581 Feb 13 j 04:06	0°♐	
	-3581 Mar 25 j 10:21	0°♑	
	-3581 May 06 j 23:35	0°♒	
	-3581 Jun 25 j 20:16	0°♓	
retrograde	-3581 Aug 20 j 00:31	16°♓31'20	
min. Earth dist.	-3581 Sep 21 j 05:43	9°♓29'47	0.55506 AU
opposition	-3581 Sep 27 j 21:20	6°♓55'29	-2°34'42
greatest brilliancy	-3581 Sep 27 j 07:44	7°♓08'39	-1.9m
	-3581 Oct 20 j 13:52	30°℞♒	
direct	-3581 Nov 02 j 18:44	28°♒50'11	
	-3581 Nov 16 j 14:16	0°♓	
asc. node	-3581 Nov 26 j 15:02	2°♓06'04	
	-3580 Jan 31 j 14:36	0°♈	
	-3580 Mar 25 j 05:37	0°♉	
	-3580 May 13 j 21:05	0°♊	
	-3580 Jun 29 j 21:22	0°♋	
evening set	-3580 Jul 21 j 23:01	14°♋39'30	
max. Earth dist.	-3580 Aug 07 j 21:06	26°♋10'00	2.53471 AU
	-3580 Aug 13 j 10:33	0°♌	
conjunction	-3580 Sep 09 j 10:50	18°♌59'46	0°51'04
minimum elong	-3580 Sep 09 j 12:35	19°♌02'53	0°51'09
	-3580 Sep 24 j 17:11	0°♍	
morning rise	-3580 Nov 01 j 07:12	27°♍51'48	
	-3580 Nov 04 j 03:06	0°♎	
desc. node	-3580 Dec 02 j 16:08	21°♎48'12	
	-3580 Dec 13 j 06:57	0°♏	
	-3579 Jan 20 j 22:31	0°♐	
	-3579 Feb 28 j 22:40	0°♑	
	-3579 Apr 10 j 07:46	0°♒	
	-3579 May 23 j 10:21	0°♓	
	-3579 Jul 11 j 05:59	0°♈	
retrograde	-3579 Sep 26 j 01:50	26°♈26'42	
asc. node	-3579 Oct 13 j 15:37	24°♈19'10	
min. Earth dist.	-3579 Nov 02 j 00:17	17°♈44'28	0.64358 AU
opposition	-3579 Nov 05 j 02:34	16°♈29'53	0°52'30
greatest brilliancy	-3579 Nov 04 j 23:45	16°♈32'42	-1.5m
direct	-3579 Dec 14 j 01:53	7°♈14'17	
	-3578 Feb 26 j 12:06	0°♉	
	-3578 Apr 22 j 18:39	0°♊	
	-3578 Jun 10 j 12:23	0°♋	
	-3578 Jul 25 j 12:24	0°♌	
	-3578 Sep 05 j 15:59	0°♍	
evening set	-3578 Sep 06 j 20:11	0°♍51'40	
max. Earth dist.	-3578 Sep 27 j 18:42	16°♍24'56	2.41195 AU
	-3578 Oct 15 j 16:21	0°♎	
desc. node	-3578 Oct 20 j 14:10	3°♎45'48	
conjunction	-3578 Nov 03 j 02:30	14°♎11'58	-0°09'36
minimum elong	-3578 Nov 03 j 01:45	14°♎10'32	0°09'37
behind sun begin	-3578 Nov 02 j 04:30	13°♎29'19	
behind sun end	-3578 Nov 03 j 23:01	14°♎51'46	
	-3578 Nov 23 j 08:37	0°♏	
	-3578 Dec 31 j 13:19	0°♐	
morning rise	-3577 Jan 07 j 05:50	5°♐14'28	
	-3577 Feb 08 j 03:44	0°♑	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3577 Mar 20 j 00:41	0°♒	
	-3577 Apr 30 j 23:54	0°♓	
	-3577 Jun 15 j 00:24	0°♈	
	-3577 Aug 04 j 04:52	0°♉	
asc. node	-3577 Aug 31 j 15:52	14°♉01'02	
	-3577 Oct 19 j 11:42	0°♊	
retrograde	-3577 Oct 30 j 19:16	0°♊46'39	
	-3577 Nov 10 j 17:19	30°℞♉	
opposition	-3577 Dec 09 j 15:07	21°♉11'18	3°21'06
greatest brilliancy	-3577 Dec 09 j 15:25	21°♉11'00	-1.3m
min. Earth dist.	-3577 Dec 10 j 07:36	20°♉54'50	0.67233 AU
direct	-3576 Jan 19 j 10:13	11°♉18'51	
	-3576 Mar 24 j 18:27	0°♊	
	-3576 May 18 j 16:54	0°♋	
	-3576 Jul 04 j 09:35	0°♌	
	-3576 Aug 16 j 00:17	0°♍	
desc. node	-3576 Sep 06 j 11:19	15°♍53'47	
	-3576 Sep 25 j 00:58	0°♎	
	-3576 Nov 02 j 14:15	0°♏	
evening set	-3576 Nov 06 j 00:22	2°♏41'31	
	-3576 Dec 10 j 16:21	0°♐	
conjunction	-3575 Jan 10 j 18:45	24°♐15'06	-1°05'51
minimum elong	-3575 Jan 10 j 17:24	24°♐12'29	1°05'59
	-3575 Jan 18 j 05:58	0°♑	
	-3575 Feb 27 j 02:58	0°♒	
max. Earth dist.	-3575 Mar 01 j 08:34	1°♒38'30	2.42586 AU
morning rise	-3575 Mar 17 j 10:31	13°♒20'03	
	-3575 Apr 09 j 22:31	0°♓	
	-3575 May 24 j 03:12	0°♈	
	-3575 Jul 10 j 03:04	0°♉	
asc. node	-3575 Jul 18 j 15:41	5°♉12'57	
	-3575 Aug 30 j 08:36	0°♊	
	-3575 Nov 05 j 03:13	0°♋	
retrograde	-3575 Dec 05 j 06:19	4°♋51'18	
	-3574 Jan 01 j 23:21	30°℞♊	
opposition	-3574 Jan 12 j 19:05	26°♊00'49	4°49'50
greatest brilliancy	-3574 Jan 13 j 11:25	25°♊44'57	-1.4m
min. Earth dist.	-3574 Jan 17 j 07:40	24°♊15'19	0.63714 AU
direct	-3574 Feb 23 j 00:29	16°♊01'12	
	-3574 Apr 17 j 09:39	0°♋	
	-3574 Jun 10 j 21:46	0°♌	
desc. node	-3574 Jul 25 j 10:17	29°♌54'34	
	-3574 Jul 25 j 13:20	0°♍	
	-3574 Sep 04 j 07:25	0°♎	
	-3574 Oct 13 j 04:37	0°♏	
	-3574 Nov 20 j 12:39	0°♐	
	-3574 Dec 29 j 09:02	0°♑	
evening set	-3573 Jan 13 j 11:25	11°♑24'45	
	-3573 Feb 07 j 13:55	0°♒	
conjunction	-3573 Mar 14 j 09:10	24°♒54'14	-0°45'24
minimum elong	-3573 Mar 14 j 11:17	24°♒57'57	0°45'28
	-3573 Mar 21 j 16:18	0°♓	
max. Earth dist.	-3573 Apr 16 j 15:41	17°♓48'03	2.55315 AU
	-3573 May 04 j 21:05	0°♈	
morning rise	-3573 May 08 j 11:06	2°♈22'24	
asc. node	-3573 Jun 05 j 13:35	20°♈42'40	
	-3573 Jun 20 j 01:38	0°♉	
	-3573 Aug 07 j 04:05	0°♊	
	-3573 Sep 26 j 22:51	0°♋	
	-3573 Nov 24 j 17:42	0°♌	
retrograde	-3572 Jan 18 j 09:05	13°♌49'36	
opposition	-3572 Feb 23 j 06:33	6°♌14'35	4°43'34
greatest brilliancy	-3572 Feb 24 j 14:52	5°♌45'17	-1.9m
min. Earth dist.	-3572 Mar 02 j 03:58	3°♌23'12	0.54014 AU
	-3572 Mar 12 j 18:09	30°℞♋	
direct	-3572 Apr 02 j 20:01	27°♋01'15	
	-3572 Apr 24 j 15:30	0°♌	
desc. node	-3572 Jun 11 j 10:14	20°♌50'52	
	-3572 Jun 26 j 18:58	0°♍	
	-3572 Aug 10 j 03:30	0°♎	
	-3572 Sep 19 j 14:40	0°♏	
	-3572 Oct 28 j 23:31	0°♐	
	-3572 Dec 07 j 16:49	0°♑	
	-3571 Jan 17 j 16:55	0°♒	
	-3571 Mar 01 j 11:55	0°♓	
evening set	-3571 Mar 08 j 16:01	4°♓53'59	
	-3571 Apr 15 j 03:47	0°♈	
asc. node	-3571 Apr 22 j 10:23	4°♈47'01	
conjunction	-3571 Apr 29 j 16:58	9°♈32'35	0°04'13
minimum elong	-3571 Apr 29 j 16:48	9°♈32'18	0°04'14
behind sun begin	-3571 Apr 28 j 20:38	8°♈59'25	
behind sun end	-3571 Apr 30 j 12:57	10°♈05'10	
max. Earth dist.	-3571 May 14 j 08:46	19°♈03'52	2.63879 AU
	-3571 May 31 j 08:12	0°♉	
morning rise	-3571 Jun 17 j 02:53	10°♉43'31	
	-3571 Jul 17 j 12:04	0°♊	
	-3571 Sep 03 j 05:53	0°♋	
	-3571 Oct 21 j 18:59	0°♌	
	-3571 Dec 11 j 18:05	0°♍	
	-3570 Feb 12 j 10:01	0°♎	
retrograde	-3570 Mar 20 j 14:18	6°♎58'46	
opposition	-3570 Apr 21 j 08:02	1°♎21'58	0°33'06
greatest brilliancy	-3570 Apr 21 j 12:22	1°♎18'44	-2.7m
	-3570 Apr 25 j 22:41	30°℞♍	
min. Earth dist.	-3570 Apr 28 j 01:54	29°♍22'44	0.41291 AU
desc. node	-3570 Apr 29 j 10:11	28°♍59'43	
direct	-3570 May 25 j 04:27	24°♍49'45	
	-3570 Jun 22 j 16:46	0°♎	
	-3570 Aug 19 j 02:21	0°♏	
	-3570 Oct 02 j 12:55	0°♐	
	-3570 Nov 14 j 04:48	0°♑	
	-3570 Dec 27 j 06:39	0°♒	
	-3569 Feb 09 j 14:02	0°♓	
asc. node	-3569 Mar 10 j 08:31	18°♓59'09	
	-3569 Mar 27 j 06:44	0°♈	
evening set	-3569 Apr 21 j 09:41	16°♈11'29	
	-3569 May 12 j 23:43	0°♉	
max. Earth dist.	-3569 Jun 07 j 09:17	16°♉11'39	2.67129 AU
conjunction	-3569 Jun 08 j 06:01	16°♉44'41	0°46'23
minimum elong	-3569 Jun 08 j 04:44	16°♉42'39	0°46'29
	-3569 Jun 29 j 00:40	0°♊	
morning rise	-3569 Jul 23 j 17:49	15°♊49'51	
	-3569 Aug 14 j 17:09	0°♋	
	-3569 Sep 29 j 15:47	0°♌	
	-3569 Nov 13 j 20:54	0°♍	
	-3569 Dec 28 j 16:29	0°♎	
	-3568 Feb 11 j 23:16	0°♏	
desc. node	-3568 Mar 16 j 11:12	21°♏07'02	
	-3568 Mar 31 j 17:07	0°♐	
retrograde	-3568 Jun 06 j 18:31	23°♐06'24	
min. Earth dist.	-3568 Jul 03 j 14:24	18°♐39'47	0.39183 AU
opposition	-3568 Jul 08 j 23:46	17°♐07'12	-6°27'03
greatest brilliancy	-3568 Jul 07 j 19:34	17°♐27'31	-2.8m
direct	-3568 Aug 08 j 02:30	11°♐52'27	
	-3568 Oct 07 j 06:11	0°♑	
	-3568 Nov 29 j 13:47	0°♒	
	-3567 Jan 17 j 07:22	0°♓	
asc. node	-3567 Jan 25 j 07:16	4°♓59'01	
	-3567 Mar 06 j 08:50	0°♈	
	-3567 Apr 23 j 07:42	0°♉	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

evening set	-3567 May 29 j 06:25	22°♉39'39	
	-3567 Jun 09 j 19:21	0°♊	
max. Earth dist.	-3567 Jun 30 j 12:03	13°♊16'10	2.64962 AU
conjunction	-3567 Jul 14 j 17:53	22°♊29'59	1°09'13
minimum elong	-3567 Jul 14 j 17:19	22°♊29'03	1°09'21
	-3567 Jul 26 j 05:20	0°♋	
morning rise	-3567 Aug 29 j 08:18	22°♋41'32	
	-3567 Sep 09 j 03:17	0°♌	
	-3567 Oct 22 j 10:59	0°♍	
	-3567 Dec 03 j 08:41	0°♎	
	-3566 Jan 13 j 06:03	0°♏	
desc. node	-3566 Feb 01 j 11:27	14°♏14'15	
	-3566 Feb 22 j 19:05	0°♐	
	-3566 Apr 05 j 05:46	0°♑	
	-3566 May 20 j 14:16	0°♒	
retrograde	-3566 Aug 02 j 20:10	27°♒48'39	
min. Earth dist.	-3566 Sep 01 j 21:39	21°♒37'34	0.50762 AU
opposition	-3566 Sep 09 j 15:09	18°♒45'53	-4°07'57
greatest brilliancy	-3566 Sep 08 j 14:13	19°♒09'01	-2.1m
direct	-3566 Oct 13 j 22:18	11°♒21'31	
asc. node	-3566 Dec 13 j 06:14	28°♒20'21	
	-3566 Dec 16 j 19:51	0°♓	
	-3565 Feb 11 j 08:56	0°♈	
	-3565 Apr 03 j 09:50	0°♉	
	-3565 May 22 j 03:51	0°♊	
evening set	-3565 Jul 06 j 23:22	29°♊24'18	
	-3565 Jul 07 j 21:07	0°♋	
max. Earth dist.	-3565 Jul 27 j 07:57	12°♋54'58	2.57603 AU
	-3565 Aug 21 j 10:35	0°♌	
conjunction	-3565 Aug 23 j 21:34	1°♌41'52	1°03'28
minimum elong	-3565 Aug 23 j 22:47	1°♌43'58	1°03'34
	-3565 Oct 02 j 21:57	0°♍	
morning rise	-3565 Oct 12 j 12:51	6°♍59'16	
	-3565 Nov 12 j 14:56	0°♎	
desc. node	-3565 Dec 20 j 09:28	28°♎41'05	
	-3565 Dec 22 j 02:37	0°♏	
	-3564 Jan 30 j 01:48	0°♐	
	-3564 Mar 09 j 09:34	0°♑	
	-3564 Apr 19 j 05:53	0°♒	
	-3564 Jun 02 j 12:17	0°♓	
	-3564 Jul 26 j 13:53	0°♈	
retrograde	-3564 Sep 12 j 00:11	12°♈07'54	
min. Earth dist.	-3564 Oct 17 j 05:50	4°♈00'25	0.61552 AU
opposition	-3564 Oct 21 j 18:45	2°♈11'47	-0°20'49
greatest brilliancy	-3564 Oct 21 j 17:33	2°♈12'59	-1.6m
	-3564 Oct 27 j 09:18	30°♓	
asc. node	-3564 Oct 30 j 06:26	28°♓55'54	
direct	-3564 Nov 28 j 16:42	23°♓18'45	
	-3563 Jan 03 j 14:10	0°♈	
	-3563 Mar 09 j 22:19	0°♉	
	-3563 May 01 j 02:47	0°♊	
	-3563 Jun 17 j 23:38	0°♋	
	-3563 Aug 01 j 17:42	0°♌	
evening set	-3563 Aug 18 j 06:31	11°♌33'57	
max. Earth dist.	-3563 Sep 02 j 12:31	22°♌27'52	2.46038 AU
	-3563 Sep 12 j 21:32	0°♍	
conjunction	-3563 Oct 10 j 19:48	20°♍44'42	0°18'19
minimum elong	-3563 Oct 10 j 20:56	20°♍46'51	0°18'19
	-3563 Oct 23 j 00:42	0°♎	
desc. node	-3563 Nov 06 j 07:49	10°♎57'38	
	-3563 Nov 30 j 20:29	0°♏	
morning rise	-3563 Dec 09 j 22:34	7°♏06'06	
	-3562 Jan 08 j 04:21	0°♐	
	-3562 Feb 15 j 21:08	0°♑	
	-3562 Mar 27 j 20:31	0°♒	
	-3562 May 09 j 01:30	0°♓	
	-3562 Jun 23 j 21:03	0°♈	
	-3562 Aug 16 j 12:17	0°♉	
asc. node	-3562 Sep 17 j 07:21	12°♉50'04	
retrograde	-3562 Oct 17 j 09:06	17°♉53'08	
opposition	-3562 Nov 26 j 09:51	8°♉06'18	2°30'14
greatest brilliancy	-3562 Nov 26 j 06:52	8°♉09'18	-1.4m
min. Earth dist.	-3562 Nov 25 j 14:29	8°♉25'44	0.66871 AU
	-3562 Dec 20 j 23:55	30°℞♈	
direct	-3561 Jan 05 j 15:09	28°♈25'01	
	-3561 Jan 22 j 05:37	0°♉	
	-3561 Apr 07 j 00:01	0°♊	
	-3561 May 28 j 10:11	0°♋	
	-3561 Jul 13 j 05:51	0°♌	
	-3561 Aug 24 j 14:30	0°♍	
desc. node	-3561 Sep 24 j 06:26	22°♍53'11	
	-3561 Oct 03 j 13:59	0°♎	
evening set	-3561 Oct 12 j 02:44	6°♎34'06	
	-3561 Nov 11 j 03:25	0°♏	
conjunction	-3561 Dec 14 j 18:09	26°♏28'56	-0°51'39
minimum elong	-3561 Dec 14 j 14:55	26°♏22'35	0°51'44
	-3561 Dec 19 j 05:28	0°♐	
max. Earth dist.	-3560 Jan 15 j 10:23	21°♐15'30	2.38103 AU
	-3560 Jan 26 j 18:08	0°♑	
morning rise	-3560 Feb 21 j 00:51	19°♑11'48	
	-3560 Mar 06 j 13:37	0°♒	
	-3560 Apr 17 j 08:34	0°♓	
	-3560 May 31 j 16:54	0°♈	
	-3560 Jul 18 j 10:17	0°♉	
asc. node	-3560 Aug 04 j 06:26	9°♉53'58	
	-3560 Sep 10 j 15:53	0°♊	
retrograde	-3560 Nov 20 j 14:15	21°♊32'02	
opposition	-3560 Dec 29 j 18:21	12°♊21'17	4°23'25
greatest brilliancy	-3560 Dec 30 j 03:27	12°♊12'20	-1.4m
min. Earth dist.	-3559 Jan 01 j 18:51	11°♊09'52	0.65866 AU
direct	-3559 Feb 09 j 00:12	2°♊20'21	
	-3559 May 01 j 18:07	0°♋	
	-3559 Jun 20 j 12:15	0°♌	
	-3559 Aug 03 j 01:29	0°♍	
desc. node	-3559 Aug 11 j 04:11	5°♍53'07	
	-3559 Sep 12 j 10:12	0°♎	
	-3559 Oct 21 j 02:48	0°♏	
	-3559 Nov 28 j 07:13	0°♐	
evening set	-3559 Dec 18 j 13:55	15°♐49'18	
	-3558 Jan 05 j 23:31	0°♑	
	-3558 Feb 14 j 23:43	0°♒	
conjunction	-3558 Feb 20 j 01:39	3°♒42'58	-1°00'27
minimum elong	-3558 Feb 20 j 03:44	3°♒46'44	1°00'33
	-3558 Mar 28 j 21:44	0°♓	
max. Earth dist.	-3558 Apr 02 j 11:05	3°♓10'17	2.50619 AU
morning rise	-3558 Apr 20 j 02:28	15°♓17'15	
	-3558 May 12 j 00:14	0°♈	
asc. node	-3558 Jun 22 j 04:57	26°♈44'14	
	-3558 Jun 27 j 08:34	0°♉	
	-3558 Aug 15 j 05:25	0°♊	
	-3558 Oct 07 j 16:32	0°♋	
retrograde	-3558 Dec 30 j 18:59	27°♋50'34	
opposition	-3557 Feb 05 j 21:58	19°♋41'19	5°02'36
greatest brilliancy	-3557 Feb 07 j 01:40	19°♋15'17	-1.7m
min. Earth dist.	-3557 Feb 12 j 15:42	17°♋09'29	0.58470 AU
direct	-3557 Mar 18 j 11:10	10°♋00'13	
	-3557 May 21 j 12:02	0°♌	
desc. node	-3557 Jun 29 j 02:28	22°♌53'04	
	-3557 Jul 09 j 20:35	0°♍	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3557 Aug 21 j 01:46	0°♎	
	-3557 Sep 29 j 15:44	0°♏	
	-3557 Nov 07 j 11:18	0°♐	
	-3557 Dec 16 j 17:43	0°♑	
	-3556 Jan 26 j 08:00	0°♒	
evening set	-3556 Feb 17 j 21:29	16°♒07'24	
	-3556 Mar 08 j 18:35	0°♓	
conjunction	-3556 Apr 12 j 14:03	23°♓37'30	-0°15'20
minimum elong	-3556 Apr 12 j 14:46	23°♓38'43	0°15'21
behind sun begin	-3556 Apr 12 j 09:49	23°♓30'28	
behind sun end	-3556 Apr 12 j 19:43	23°♓46'59	
	-3556 Apr 22 j 04:15	0°♈	
max. Earth dist.	-3556 May 04 j 01:30	7°♈49'47	2.61119 AU
asc. node	-3556 May 09 j 03:29	11°♈09'24	
morning rise	-3556 Jun 02 j 02:26	26°♈40'35	
	-3556 Jun 07 j 06:40	0°♉	
	-3556 Jul 24 j 15:52	0°♊	
	-3556 Sep 11 j 04:46	0°♋	
	-3556 Oct 31 j 20:42	0°♌	
	-3556 Dec 29 j 03:28	0°♍	
retrograde	-3555 Feb 21 j 07:45	13°♍49'53	
opposition	-3555 Mar 26 j 18:51	7°♍23'12	2°56'51
greatest brilliancy	-3555 Mar 27 j 19:23	7°♍03'00	-2.4m
min. Earth dist.	-3555 Apr 04 j 03:04	4°♍39'24	0.46057 AU
	-3555 Apr 24 j 08:09	30°℞♌	
direct	-3555 May 02 j 10:33	29°♌32'12	
	-3555 May 10 j 15:43	0°♍	
desc. node	-3555 May 16 j 02:51	0°♍47'40	
	-3555 Jul 20 j 01:47	0°♎	
	-3555 Sep 02 j 10:41	0°♏	
	-3555 Oct 13 j 17:01	0°♐	
	-3555 Nov 23 j 17:01	0°♑	
	-3554 Jan 04 j 16:36	0°♒	
	-3554 Feb 17 j 05:46	0°♓	
asc. node	-3554 Mar 27 j 00:38	25°♓09'15	
	-3554 Apr 03 j 10:13	0°♈	
evening set	-3554 Apr 05 j 06:17	1°♈11'56	
	-3554 May 19 j 20:32	0°♉	
conjunction	-3554 May 24 j 08:53	2°♉53'25	0°31'50
minimum elong	-3554 May 24 j 07:48	2°♉51'40	0°31'54
max. Earth dist.	-3554 May 29 j 07:06	6°♉02'19	2.66497 AU
	-3554 Jul 05 j 20:51	0°♊	
morning rise	-3554 Jul 09 j 15:32	2°♊24'31	
	-3554 Aug 21 j 20:12	0°♋	
	-3554 Oct 07 j 12:25	0°♌	
	-3554 Nov 23 j 03:18	0°♍	
	-3553 Jan 09 j 14:29	0°♎	
	-3553 Mar 02 j 01:41	0°♏	
desc. node	-3553 Apr 03 j 03:40	14°♏47'04	
retrograde	-3553 May 08 j 19:08	22°♏05'43	
opposition	-3553 Jun 08 j 09:21	16°♏59'58	-4°37'27
greatest brilliancy	-3553 Jun 08 j 04:57	17°♏02'53	-2.9m
min. Earth dist.	-3553 Jun 07 j 20:45	17°♏08'21	0.37657 AU
direct	-3553 Jul 08 j 10:26	11°♏58'46	
	-3553 Sep 05 j 01:11	0°♐	
	-3553 Oct 26 j 05:50	0°♑	
	-3553 Dec 11 j 21:19	0°♒	
	-3552 Jan 27 j 04:18	0°♓	
asc. node	-3552 Feb 11 j 22:24	10°♓08'01	
	-3552 Mar 14 j 00:59	0°♈	
	-3552 Apr 30 j 09:17	0°♉	
evening set	-3552 May 14 j 10:14	8°♉53'10	
	-3552 Jun 16 j 15:14	0°♊	
max. Earth dist.	-3552 Jun 20 j 22:59	2°♊45'53	2.66452 AU
conjunction	-3552 Jun 30 j 03:04	8°♊38'41	1°03'13
minimum elong	-3552 Jun 30 j 02:02	8°♊37'01	1°03'20
	-3552 Aug 02 j 02:16	0°♋	
morning rise	-3552 Aug 14 j 07:18	8°♋00'42	
	-3552 Sep 16 j 07:37	0°♌	
	-3552 Oct 30 j 04:47	0°♍	
	-3552 Dec 11 j 21:49	0°♎	
	-3551 Jan 22 j 20:13	0°♏	
desc. node	-3551 Feb 18 j 03:31	18°♏52'07	
	-3551 Mar 05 j 19:21	0°♐	
	-3551 Apr 18 j 20:24	0°♑	
	-3551 Jun 14 j 04:02	0°♒	
retrograde	-3551 Jul 14 j 07:20	5°♒55'51	
min. Earth dist.	-3551 Aug 11 j 07:39	0°♒37'18	0.45734 AU
	-3551 Aug 13 j 03:42	30°℞♑	
greatest brilliancy	-3551 Aug 17 j 22:59	28°♑20'16	-2.4m
opposition	-3551 Aug 19 j 10:11	27°♑49'52	-5°37'00
direct	-3551 Sep 20 j 21:41	21°♑15'27	
	-3551 Oct 31 j 04:47	0°♒	
asc. node	-3551 Dec 29 j 21:32	29°♒19'25	
	-3551 Dec 31 j 02:35	0°♓	
	-3550 Feb 20 j 15:24	0°♈	
	-3550 Apr 11 j 02:25	0°♉	
	-3550 May 29 j 05:39	0°♊	
evening set	-3550 Jun 21 j 15:45	14°♊57'06	
	-3550 Jul 14 j 18:48	0°♋	
max. Earth dist.	-3550 Jul 16 j 06:52	0°♋59'19	2.61091 AU
conjunction	-3550 Aug 07 j 14:43	15°♋50'36	1°09'48
minimum elong	-3550 Aug 07 j 15:12	15°♋51'26	1°09'56
	-3550 Aug 28 j 10:40	0°♌	
morning rise	-3550 Sep 24 j 01:13	18°♌31'17	
	-3550 Oct 10 j 04:35	0°♍	
	-3550 Nov 20 j 06:41	0°♎	
	-3550 Dec 30 j 04:21	0°♏	
desc. node	-3549 Jan 06 j 03:43	5°♏17'54	
	-3549 Feb 07 j 13:47	0°♐	
	-3549 Mar 19 j 09:12	0°♑	
	-3549 Apr 30 j 01:25	0°♒	
	-3549 Jun 15 j 18:12	0°♓	
retrograde	-3549 Aug 29 j 03:23	26°♓37'42	
min. Earth dist.	-3549 Oct 01 j 11:51	19°♓10'25	0.57892 AU
opposition	-3549 Oct 07 j 09:56	16°♓50'54	-1°43'09
greatest brilliancy	-3549 Oct 07 j 01:48	16°♓58'55	-1.8m
direct	-3549 Nov 13 j 01:59	8°♓26'20	
asc. node	-3549 Nov 16 j 20:47	8°♓31'48	
	-3548 Jan 23 j 07:15	0°♈	
	-3548 Mar 19 j 11:19	0°♉	
	-3548 May 08 j 21:11	0°♊	
	-3548 Jun 25 j 04:23	0°♋	
evening set	-3548 Jul 31 j 11:53	24°♋16'25	
	-3548 Aug 08 j 19:40	0°♌	
max. Earth dist.	-3548 Aug 16 j 04:42	5°♌07'27	2.50955 AU
conjunction	-3548 Sep 20 j 03:59	0°♍03'57	0°41'01
minimum elong	-3548 Sep 20 j 05:47	0°♍07'13	0°41'04
	-3548 Sep 20 j 01:49	0°♍	
	-3548 Oct 30 j 09:44	0°♎	
morning rise	-3548 Nov 14 j 06:55	11°♎20'59	
desc. node	-3548 Nov 23 j 02:04	18°♎06'47	
	-3548 Dec 08 j 10:43	0°♏	
	-3547 Jan 15 j 23:15	0°♐	
	-3547 Feb 23 j 19:52	0°♑	
	-3547 Apr 04 j 23:37	0°♒	
	-3547 May 17 j 14:50	0°♓	
	-3547 Jul 03 j 20:38	0°♈	
	-3547 Sep 05 j 07:05	0°♉	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

retrograde	-3547 Oct 03 j 23:00	4°♉43'19	
asc. node	-3547 Oct 03 j 20:56	4°♉43'19	
	-3547 Oct 30 j 10:57	30°℞♈	
min. Earth dist.	-3547 Nov 10 j 18:01	25°♈43'41	0.65515 AU
opposition	-3547 Nov 13 j 00:42	24°♈48'41	1°31'07
greatest brilliancy	-3547 Nov 12 j 20:55	24°♈52'29	-1.4m
direct	-3547 Dec 22 j 11:40	15°♈22'36	
	-3546 Feb 17 j 07:06	0°♉	
	-3546 Apr 16 j 21:48	0°♊	
	-3546 Jun 05 j 10:49	0°♋	
	-3546 Jul 20 j 17:32	0°♌	
	-3546 Aug 31 j 23:11	0°♍	
evening set	-3546 Sep 18 j 21:23	13°♍16'18	
desc. node	-3546 Oct 10 j 23:21	29°♍59'44	
	-3546 Oct 10 j 23:29	0°♎	
max. Earth dist.	-3546 Oct 19 j 08:47	6°♎26'46	2.38897 AU
conjunction	-3546 Nov 17 j 11:26	29°♎06'27	-0°26'08
minimum elong	-3546 Nov 17 j 09:22	29°♎02'24	0°26'10
	-3546 Nov 18 j 14:45	0°♏	
	-3546 Dec 26 j 18:22	0°♐	
morning rise	-3545 Jan 23 j 16:53	21°♐48'30	
	-3545 Feb 03 j 07:43	0°♑	
	-3545 Mar 15 j 03:11	0°♒	
	-3545 Apr 25 j 23:25	0°♓	
	-3545 Jun 09 j 15:06	0°♈	
	-3545 Jul 28 j 13:53	0°♉	
asc. node	-3545 Aug 21 j 22:05	13°♉20'13	
	-3545 Sep 27 j 16:04	0°♊	
retrograde	-3545 Nov 07 j 15:30	8°♊35'34	
	-3545 Dec 15 j 02:11	30°℞♉	
opposition	-3545 Dec 17 j 06:32	29°♉08'05	3°46'42
greatest brilliancy	-3545 Dec 17 j 09:32	29°♉05'06	-1.3m
min. Earth dist.	-3545 Dec 18 j 19:00	28°♉31'48	0.67020 AU
direct	-3544 Jan 27 j 06:39	19°♉11'13	
	-3544 Mar 14 j 09:31	0°♊	
	-3544 May 12 j 13:52	0°♋	
	-3544 Jun 29 j 03:41	0°♌	
	-3544 Aug 11 j 01:42	0°♍	
desc. node	-3544 Aug 27 j 21:09	12°♍22'10	
	-3544 Sep 20 j 05:05	0°♎	
	-3544 Oct 28 j 19:11	0°♏	
evening set	-3544 Nov 21 j 07:48	18°♏31'45	
	-3544 Dec 05 j 21:37	0°♐	
	-3543 Jan 13 j 11:27	0°♑	
conjunction	-3543 Jan 26 j 00:34	9°♑34'16	-1°07'23
minimum elong	-3543 Jan 26 j 00:50	9°♑34'46	1°07'31
	-3543 Feb 22 j 08:36	0°♒	
max. Earth dist.	-3543 Mar 15 j 04:54	15°♒09'05	2.45492 AU
morning rise	-3543 Mar 30 j 10:23	25°♒58'35	
	-3543 Apr 05 j 04:01	0°♓	
	-3543 May 19 j 06:25	0°♈	
	-3543 Jul 04 j 22:20	0°♉	
asc. node	-3543 Jul 08 j 21:11	2°♉27'30	
	-3543 Aug 24 j 00:28	0°♊	
	-3543 Oct 21 j 22:01	0°♋	
retrograde	-3543 Dec 14 j 04:18	13°♋14'45	
opposition	-3542 Jan 21 j 06:17	4°♋37'35	4°59'02
greatest brilliancy	-3542 Jan 22 j 02:49	4°♋17'49	-1.5m
min. Earth dist.	-3542 Jan 26 j 14:21	2°♋34'20	0.62106 AU
	-3542 Feb 02 j 14:37	30°℞♊	
direct	-3542 Mar 03 j 08:06	24°♊41'53	
	-3542 Apr 03 j 01:22	0°♋	
	-3542 Jun 04 j 00:29	0°♌	
desc. node	-3542 Jul 15 j 19:55	27°♌12'36	
	-3542 Jul 19 j 20:09	0°♍	
	-3542 Aug 30 j 00:31	0°♎	
	-3542 Oct 08 j 02:37	0°♏	
	-3542 Nov 15 j 13:50	0°♐	
	-3542 Dec 24 j 12:40	0°♑	
evening set	-3541 Jan 26 j 23:15	24°♑59'34	
	-3541 Feb 02 j 19:31	0°♒	
	-3541 Mar 16 j 23:34	0°♓	
conjunction	-3541 Mar 25 j 21:29	6°♓09'38	-0°34'52
minimum elong	-3541 Mar 25 j 23:11	6°♓12'34	0°34'54
max. Earth dist.	-3541 Apr 23 j 18:32	25°♓43'18	2.57587 AU
	-3541 Apr 30 j 04:47	0°♈	
morning rise	-3541 May 18 j 03:38	11°♈48'57	
asc. node	-3541 May 26 j 18:46	17°♈26'01	
	-3541 Jun 15 j 07:24	0°♉	
	-3541 Aug 02 j 01:39	0°♊	
	-3541 Sep 20 j 19:29	0°♋	
	-3541 Nov 14 j 07:09	0°♌	
retrograde	-3540 Jan 30 j 04:00	24°♌15'41	
opposition	-3540 Mar 05 j 05:24	17°♌03'05	4°17'37
greatest brilliancy	-3540 Mar 06 j 13:39	16°♌34'36	-2.0m
min. Earth dist.	-3540 Mar 13 j 12:20	14°♌08'01	0.51237 AU
direct	-3540 Apr 12 j 22:28	8°♌13'09	
desc. node	-3540 Jun 01 j 18:42	21°♌58'30	
	-3540 Jun 17 j 03:04	0°♍	
	-3540 Aug 03 j 03:49	0°♎	
	-3540 Sep 13 j 12:27	0°♏	
	-3540 Oct 23 j 09:07	0°♐	
	-3540 Dec 02 j 10:46	0°♑	
	-3539 Jan 12 j 17:08	0°♒	
	-3539 Feb 24 j 17:02	0°♓	
evening set	-3539 Mar 19 j 01:56	15°♓07'31	
	-3539 Apr 10 j 11:57	0°♈	
asc. node	-3539 Apr 12 j 16:59	1°♈27'09	
conjunction	-3539 May 08 j 22:00	18°♈31'41	0°14'52
minimum elong	-3539 May 08 j 21:24	18°♈30'43	0°14'54
behind sun begin	-3539 May 08 j 14:44	18°♈19'56	
behind sun end	-3539 May 09 j 04:04	18°♈41'28	
max. Earth dist.	-3539 May 20 j 00:46	25°♈41'46	2.65040 AU
	-3539 May 26 j 17:32	0°♉	
morning rise	-3539 Jun 25 j 10:03	18°♉57'35	
	-3539 Jul 12 j 19:14	0°♊	
	-3539 Aug 29 j 05:06	0°♋	
	-3539 Oct 15 j 22:45	0°♌	
	-3539 Dec 03 j 20:11	0°♍	
	-3538 Jan 26 j 03:32	0°♎	
retrograde	-3538 Apr 06 j 22:35	22°♎24'02	
desc. node	-3538 Apr 19 j 20:17	21°♎21'27	
opposition	-3538 May 07 j 17:37	17°♎10'33	-1°17'05
greatest brilliancy	-3538 May 07 j 22:26	17°♎07'12	-2.9m
min. Earth dist.	-3538 May 12 j 12:05	15°♎50'48	0.39234 AU
direct	-3538 Jun 08 j 23:38	11°♎22'09	
	-3538 Aug 06 j 09:38	0°♏	
	-3538 Sep 24 j 07:13	0°♐	
	-3538 Nov 07 j 14:27	0°♑	
	-3538 Dec 21 j 13:31	0°♒	
	-3537 Feb 04 j 10:04	0°♓	
asc. node	-3537 Feb 28 j 14:11	15°♓50'39	
	-3537 Mar 22 j 10:45	0°♈	
evening set	-3537 Apr 30 j 07:26	24°♈52'51	
	-3537 May 08 j 08:17	0°♉	
max. Earth dist.	-3537 Jun 12 j 17:00	22°♉30'54	2.67127 AU
conjunction	-3537 Jun 16 j 14:57	25°♉00'40	0°53'30
minimum elong	-3537 Jun 16 j 13:41	24°♉58'39	0°53'37
	-3537 Jun 24 j 10:30	0°♊	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

morning rise	-3537 Jul 31 j 20:39	24°♊03'17	
	-3537 Aug 10 j 00:39	0°♋	
	-3537 Sep 24 j 16:37	0°♌	
	-3537 Nov 08 j 08:42	0°♍	
	-3537 Dec 22 j 06:33	0°♎	
	-3536 Feb 03 j 22:59	0°♏	
desc. node	-3536 Mar 06 j 21:56	21°♏32'01	
	-3536 Mar 19 j 21:42	0°♐	
	-3536 May 12 j 03:53	0°♑	
retrograde	-3536 Jun 21 j 11:32	9°♑57'03	
min. Earth dist.	-3536 Jul 18 j 05:01	5°♑20'47	0.41092 AU
greatest brilliancy	-3536 Jul 23 j 16:47	3°♑39'26	-2.7m
opposition	-3536 Jul 25 j 04:36	3°♑11'39	-6°32'36
	-3536 Aug 05 j 11:55	30°℞♐	
direct	-3536 Aug 24 j 23:32	27°♐31'40	
	-3536 Sep 13 j 23:01	0°♑	
	-3536 Nov 20 j 23:32	0°♒	
	-3535 Jan 11 j 01:33	0°♓	
asc. node	-3535 Jan 15 j 12:03	2°♓41'27	
	-3535 Mar 01 j 01:33	0°♈	
	-3535 Apr 18 j 11:22	0°♉	
	-3535 Jun 05 j 04:04	0°♊	
evening set	-3535 Jun 06 j 18:29	1°♊01'07	
max. Earth dist.	-3535 Jul 06 j 03:43	19°♊53'54	2.63805 AU
	-3535 Jul 21 j 15:05	0°♋	
conjunction	-3535 Jul 23 j 06:49	1°♋05'15	1°10'47
minimum elong	-3535 Jul 23 j 06:36	1°♋04'54	1°10'56
	-3535 Sep 04 j 10:59	0°♌	
morning rise	-3535 Sep 07 j 08:14	1°♌58'21	
	-3535 Oct 17 j 13:32	0°♍	
	-3535 Nov 28 j 03:48	0°♎	
	-3534 Jan 07 j 15:36	0°♏	
desc. node	-3534 Jan 22 j 20:44	11°♏23'25	
	-3534 Feb 16 j 16:43	0°♐	
	-3534 Mar 29 j 08:37	0°♑	
	-3534 May 11 j 17:40	0°♒	
	-3534 Jul 04 j 17:47	0°♓	
retrograde	-3534 Aug 12 j 21:52	9°♓12'19	
min. Earth dist.	-3534 Sep 13 j 03:49	2°♓32'27	0.53437 AU
	-3534 Sep 19 j 20:07	30°℞♒	
opposition	-3534 Sep 20 j 07:47	29°♒48'53	-3°14'08
greatest brilliancy	-3534 Sep 19 j 13:31	0°♓06'19	-2.0m
direct	-3534 Oct 25 j 12:43	22°♒00'43	
asc. node	-3534 Dec 03 j 12:00	0°♓00'39	
	-3534 Dec 03 j 11:17	0°♓	
	-3533 Feb 04 j 15:14	0°♈	
	-3533 Mar 29 j 00:54	0°♉	
	-3533 May 17 j 07:22	0°♊	
	-3533 Jul 03 j 05:31	0°♋	
evening set	-3533 Jul 16 j 00:09	8°♋26'06	
max. Earth dist.	-3533 Aug 03 j 08:44	20°♋46'30	2.55407 AU
	-3533 Aug 16 j 20:04	0°♌	
conjunction	-3533 Sep 02 j 16:52	11°♌45'29	0°57'08
minimum elong	-3533 Sep 02 j 18:26	11°♌48'14	0°57'12
	-3533 Sep 28 j 05:47	0°♍	
morning rise	-3533 Oct 23 j 23:03	18°♍52'59	
	-3533 Nov 07 j 19:35	0°♎	
desc. node	-3533 Dec 10 j 19:13	25°♎07'36	
	-3533 Dec 17 j 03:06	0°♏	
	-3532 Jan 24 j 21:49	0°♐	
	-3532 Mar 04 j 00:31	0°♑	
	-3532 Apr 13 j 12:32	0°♒	
	-3532 May 26 j 23:03	0°♓	
	-3532 Jul 16 j 04:28	0°♈	
retrograde	-3532 Sep 20 j 04:40	20°♈53'47	
asc. node	-3532 Oct 20 j 12:51	14°♈42'31	
min. Earth dist.	-3532 Oct 26 j 09:18	12°♈26'08	0.63212 AU
opposition	-3532 Oct 30 j 02:45	10°♈56'24	0°22'52
greatest brilliancy	-3532 Oct 30 j 01:20	10°♈57'49	-1.5m
direct	-3532 Dec 07 j 14:46	1°♈50'12	
	-3531 Mar 02 j 19:51	0°♉	
	-3531 Apr 25 j 16:12	0°♊	
	-3531 Jun 13 j 01:46	0°♋	
	-3531 Jul 28 j 00:38	0°♌	
evening set	-3531 Aug 29 j 02:54	22°♌39'22	
	-3531 Sep 08 j 05:35	0°♍	
max. Earth dist.	-3531 Sep 15 j 09:40	5°♍15'48	2.43327 AU
	-3531 Oct 18 j 08:11	0°♎	
conjunction	-3531 Oct 23 j 14:39	4°♎01'55	0°02'57
minimum elong	-3531 Oct 23 j 14:52	4°♎02'20	0°02'56
behind sun begin	-3531 Oct 22 j 14:12	3°♎15'05	
behind sun end	-3531 Oct 24 j 15:31	4°♎49'37	
desc. node	-3531 Oct 27 j 17:41	7°♎12'06	
	-3531 Nov 26 j 02:22	0°♏	
morning rise	-3531 Dec 25 j 14:24	23°♏08'22	
	-3530 Jan 03 j 08:20	0°♐	
	-3530 Feb 10 j 23:10	0°♑	
	-3530 Mar 22 j 19:50	0°♒	
	-3530 May 03 j 19:39	0°♓	
	-3530 Jun 18 j 00:51	0°♈	
	-3530 Aug 08 j 05:14	0°♉	
asc. node	-3530 Sep 07 j 13:04	14°♉26'05	
retrograde	-3530 Oct 25 j 02:45	25°♉45'33	
opposition	-3530 Dec 04 j 00:56	16°♉04'38	3°00'53
greatest brilliancy	-3530 Dec 03 j 23:30	16°♉06'04	-1.3m
min. Earth dist.	-3530 Dec 04 j 01:34	16°♉04'00	0.67192 AU
direct	-3529 Jan 13 j 13:58	6°♉16'34	
	-3529 Mar 30 j 12:33	0°♊	
	-3529 May 22 j 19:57	0°♋	
	-3529 Jul 08 j 04:45	0°♌	
	-3529 Aug 19 j 18:01	0°♍	
desc. node	-3529 Sep 14 j 14:42	19°♍12'27	
	-3529 Sep 28 j 19:12	0°♎	
evening set	-3529 Oct 26 j 10:58	21°♎26'15	
	-3529 Nov 06 j 08:57	0°♏	
	-3529 Dec 14 j 10:59	0°♐	
conjunction	-3529 Dec 30 j 14:31	12°♐39'19	-1°01'26
minimum elong	-3529 Dec 30 j 12:04	12°♐34'31	1°01'33
	-3528 Jan 21 j 23:39	0°♑	
max. Earth dist.	-3528 Feb 15 j 11:14	18°♑36'11	2.40345 AU
	-3528 Mar 01 j 18:49	0°♒	
morning rise	-3528 Mar 06 j 18:39	3°♒40'18	
	-3528 Apr 12 j 12:40	0°♓	
	-3528 May 26 j 16:59	0°♈	
	-3528 Jul 12 j 21:39	0°♉	
asc. node	-3528 Jul 25 j 12:50	7°♉37'46	
	-3528 Sep 03 j 01:21	0°♊	
retrograde	-3528 Nov 28 j 21:42	29°♊32'18	
opposition	-3527 Jan 06 j 17:37	20°♊32'20	4°39'54
greatest brilliancy	-3527 Jan 07 j 06:40	20°♊19'33	-1.4m
min. Earth dist.	-3527 Jan 10 j 14:15	19°♊01'39	0.64797 AU
direct	-3527 Feb 16 j 23:40	10°♊31'09	
	-3527 Apr 23 j 09:46	0°♋	
	-3527 Jun 14 j 13:21	0°♌	
	-3527 Jul 28 j 17:42	0°♍	
desc. node	-3527 Aug 01 j 12:57	2°♍43'26	
	-3527 Sep 07 j 08:22	0°♎	
	-3527 Oct 16 j 03:39	0°♏	
	-3527 Nov 23 j 09:48	0°♐	
	-3526 Jan 01 j 03:43	0°♑	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

evening set	-3526 Jan 02 j 12:32	1°♉02'38	
	-3526 Feb 10 j 05:22	0°♒	
conjunction	-3526 Mar 05 j 01:44	16°♒31'03	-0°52'29
minimum elong	-3526 Mar 05 j 04:00	16°♒35'06	0°52'34
	-3526 Mar 24 j 04:34	0°♓	
max. Earth dist.	-3526 Apr 10 j 21:36	12°♓13'33	2.53300 AU
morning rise	-3526 Apr 30 j 19:27	25°♓40'58	
	-3526 May 07 j 06:53	0°♈	
asc. node	-3526 Jun 12 j 11:10	23°♈36'21	
	-3526 Jun 22 j 11:40	0°♉	
	-3526 Aug 09 j 19:54	0°♊	
	-3526 Sep 30 j 12:05	0°♋	
	-3526 Dec 03 j 14:08	0°♌	
retrograde	-3525 Jan 10 j 02:12	7°♌09'53	
	-3525 Feb 13 j 15:55	30°℞♋	
opposition	-3525 Feb 15 j 13:09	29°♋18'35	4°54'33
greatest brilliancy	-3525 Feb 16 j 19:50	28°♋50'13	-1.8m
min. Earth dist.	-3525 Feb 22 j 22:50	26°♋34'37	0.56109 AU
direct	-3525 Mar 27 j 14:26	19°♋50'35	
	-3525 May 09 j 10:01	0°♌	
desc. node	-3525 Jun 19 j 13:10	21°♌39'58	
	-3525 Jul 02 j 19:06	0°♍	
	-3525 Aug 15 j 02:20	0°♎	
	-3525 Sep 24 j 03:09	0°♏	
	-3525 Nov 02 j 05:05	0°♐	
	-3525 Dec 11 j 16:23	0°♑	
	-3524 Jan 21 j 10:37	0°♒	
evening set	-3524 Feb 29 j 10:01	27°♒30'50	
	-3524 Mar 04 j 00:30	0°♓	
	-3524 Apr 17 j 12:19	0°♈	
conjunction	-3524 Apr 22 j 13:21	3°♈19'38	-0°03'57
minimum elong	-3524 Apr 22 j 13:31	3°♈19'56	0°03'57
behind sun begin	-3524 Apr 21 j 16:52	2°♈45'56	
behind sun end	-3524 Apr 23 j 10:10	3°♈53'54	
asc. node	-3524 Apr 29 j 08:10	7°♈46'58	
max. Earth dist.	-3524 May 10 j 03:28	14°♈50'07	2.62757 AU
	-3524 Jun 02 j 14:58	0°♉	
morning rise	-3524 Jun 10 j 19:35	5°♉14'50	
	-3524 Jul 19 j 20:18	0°♊	
	-3524 Sep 05 j 21:17	0°♋	
	-3524 Oct 25 j 05:01	0°♌	
	-3524 Dec 17 j 09:34	0°♍	
retrograde	-3523 Mar 08 j 02:37	26°♍49'02	
opposition	-3523 Apr 09 j 15:45	20°♍50'06	1°43'29
greatest brilliancy	-3523 Apr 10 j 06:04	20°♍38'57	-2.6m
min. Earth dist.	-3523 Apr 17 j 09:53	18°♍26'11	0.43312 AU
desc. node	-3523 May 06 j 13:06	14°♍09'56	
direct	-3523 May 14 j 20:10	13°♍41'12	
	-3523 Jul 07 j 16:31	0°♎	
	-3523 Aug 25 j 10:10	0°♏	
	-3523 Oct 07 j 02:39	0°♐	
	-3523 Nov 17 j 21:23	0°♑	
	-3523 Dec 30 j 09:06	0°♒	
	-3522 Feb 12 j 06:36	0°♓	
asc. node	-3522 Mar 17 j 05:59	21°♓52'23	
	-3522 Mar 29 j 16:27	0°♈	
evening set	-3522 Apr 14 j 15:01	10°♈20'03	
	-3522 May 15 j 05:47	0°♉	
conjunction	-3522 Jun 01 j 23:28	11°♉19'39	0°40'37
minimum elong	-3522 Jun 01 j 22:13	11°♉17'40	0°40'42
max. Earth dist.	-3522 Jun 03 j 17:08	12°♉26'05	2.66952 AU
	-3522 Jul 01 j 06:08	0°♊	
morning rise	-3522 Jul 17 j 18:03	10°♊32'21	
	-3522 Aug 17 j 01:39	0°♋	
	-3522 Oct 02 j 07:54	0°♌	
	-3522 Nov 17 j 02:29	0°♍	
	-3521 Jan 01 j 21:37	0°♎	
	-3521 Feb 18 j 01:41	0°♏	
desc. node	-3521 Mar 24 j 13:33	19°♏55'59	
	-3521 Apr 14 j 08:51	0°♐	
retrograde	-3521 May 26 j 06:10	10°♐05'04	
min. Earth dist.	-3521 Jun 23 j 00:36	5°♐33'33	0.38133 AU
opposition	-3521 Jun 26 j 11:35	4°♐36'56	-5°56'06
greatest brilliancy	-3521 Jun 25 j 17:26	4°♐49'21	-2.9m
	-3521 Jul 18 j 07:40	30°℞♏	
direct	-3521 Jul 26 j 06:19	29°♏35'20	
	-3521 Aug 03 j 06:02	0°♐	
	-3521 Oct 16 j 13:17	0°♑	
	-3521 Dec 05 j 01:40	0°♒	
	-3520 Jan 21 j 12:55	0°♓	
asc. node	-3520 Feb 02 j 04:19	7°♓22'29	
	-3520 Mar 08 j 23:52	0°♈	
	-3520 Apr 25 j 15:42	0°♉	
evening set	-3520 May 22 j 23:33	17°♉15'16	
	-3520 Jun 12 j 00:48	0°♊	
max. Earth dist.	-3520 Jun 26 j 11:41	9°♊15'08	2.65733 AU
conjunction	-3520 Jul 08 j 12:07	16°♊59'53	1°07'10
minimum elong	-3520 Jul 08 j 11:20	16°♊58'36	1°07'19
	-3520 Jul 28 j 11:44	0°♋	
morning rise	-3520 Aug 22 j 20:04	16°♋44'42	
	-3520 Sep 11 j 13:41	0°♌	
	-3520 Oct 25 j 03:45	0°♍	
	-3520 Dec 06 j 10:07	0°♎	
	-3519 Jan 16 j 17:42	0°♏	
desc. node	-3519 Feb 08 j 13:59	16°♏42'49	
	-3519 Feb 26 j 19:17	0°♐	
	-3519 Apr 10 j 01:41	0°♑	
	-3519 May 27 j 20:16	0°♒	
retrograde	-3519 Jul 25 j 19:06	19°♒12'45	
min. Earth dist.	-3519 Aug 23 j 20:45	13°♒25'34	0.48509 AU
opposition	-3519 Aug 31 j 21:26	10°♒32'21	-4°47'58
greatest brilliancy	-3519 Aug 30 j 15:39	10°♒59'15	-2.2m
direct	-3519 Oct 04 j 10:02	3°♒29'17	
asc. node	-3519 Dec 20 j 03:12	28°♒39'45	
	-3519 Dec 22 j 17:41	0°♓	
	-3518 Feb 14 j 16:49	0°♈	
	-3518 Apr 06 j 00:01	0°♉	
	-3518 May 24 j 11:43	0°♊	
evening set	-3518 Jun 30 j 09:06	23°♊36'17	
	-3518 Jul 10 j 03:54	0°♋	
max. Earth dist.	-3518 Jul 22 j 15:37	8°♋15'04	2.59251 AU
conjunction	-3518 Aug 16 j 19:16	25°♋11'47	1°06'50
minimum elong	-3518 Aug 16 j 20:11	25°♋13'21	1°06'56
	-3518 Aug 23 j 19:32	0°♌	
morning rise	-3518 Oct 04 j 08:02	29°♌12'07	
	-3518 Oct 05 j 10:40	0°♍	
	-3518 Nov 15 j 08:28	0°♎	
	-3518 Dec 25 j 00:53	0°♏	
desc. node	-3518 Dec 27 j 12:29	1°♏53'51	
	-3517 Feb 02 j 04:17	0°♐	
	-3517 Mar 13 j 16:11	0°♑	
	-3517 Apr 23 j 18:19	0°♒	
	-3517 Jun 07 j 17:32	0°♓	
	-3517 Aug 05 j 17:52	0°♈	
retrograde	-3517 Sep 06 j 19:45	6°♈07'02	
	-3517 Oct 06 j 17:43	30°℞♓	
min. Earth dist.	-3517 Oct 11 j 05:31	28°♓16'30	0.60011 AU
opposition	-3517 Oct 16 j 09:12	26°♓13'42	-0°54'23
greatest brilliancy	-3517 Oct 16 j 05:28	26°♓17'25	-1.7m

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

asc. node	-3517 Nov 07 j 03:15	19°♓10'04	
direct	-3517 Nov 22 j 17:41	17°♓32'35	
	-3516 Jan 12 j 23:13	0°♈	
	-3516 Mar 13 j 08:25	0°♉	
	-3516 May 03 j 17:59	0°♊	
	-3516 Jun 20 j 09:49	0°♋	
	-3516 Aug 04 j 03:58	0°♌	
evening set	-3516 Aug 10 j 10:37	4°♌21'18	
max. Earth dist.	-3516 Aug 25 j 13:15	14°♌59'09	2.48260 AU
	-3516 Sep 15 j 09:49	0°♍	
conjunction	-3516 Oct 01 j 14:31	11°♍55'02	0°28'47
minimum elong	-3516 Oct 01 j 16:04	11°♍57'55	0°28'48
	-3516 Oct 25 j 15:54	0°♎	
desc. node	-3516 Nov 13 j 10:31	14°♎22'38	
morning rise	-3516 Nov 28 j 09:42	25°♎57'34	
	-3516 Dec 03 j 14:22	0°♏	
	-3515 Jan 11 j 00:09	0°♐	
	-3515 Feb 18 j 18:06	0°♑	
	-3515 Mar 30 j 18:09	0°♒	
	-3515 May 12 j 01:15	0°♓	
	-3515 Jun 27 j 06:22	0°♈	
	-3515 Aug 22 j 06:13	0°♉	
asc. node	-3515 Sep 24 j 04:05	10°♉55'53	
retrograde	-3515 Oct 11 j 17:24	12°♉46'58	
min. Earth dist.	-3515 Nov 19 j 07:28	3°♉31'28	0.66386 AU
opposition	-3515 Nov 20 j 18:35	2°♉56'09	2°06'35
greatest brilliancy	-3515 Nov 20 j 14:51	2°♉59'54	-1.4m
	-3515 Nov 28 j 05:22	30°℞♈	
direct	-3515 Dec 30 j 15:46	23°♈21'09	
	-3514 Feb 04 j 17:05	0°♉	
	-3514 Apr 10 j 14:43	0°♊	
	-3514 May 31 j 05:35	0°♋	
	-3514 Jul 15 j 21:06	0°♌	
	-3514 Aug 27 j 05:37	0°♍	
evening set	-3514 Oct 01 j 16:29	26°♍30'04	
desc. node	-3514 Oct 01 j 09:15	26°♍16'17	
	-3514 Oct 06 j 06:22	0°♎	
	-3514 Nov 13 j 20:55	0°♏	
max. Earth dist.	-3514 Nov 28 j 14:17	11°♏35'10	2.37536 AU
conjunction	-3514 Dec 02 j 15:40	14°♏46'59	-0°41'35
minimum elong	-3514 Dec 02 j 12:37	14°♏40'58	0°41'38
	-3514 Dec 21 j 23:21	0°♐	
	-3513 Jan 29 j 11:37	0°♑	
morning rise	-3513 Feb 08 j 23:43	8°♑02'33	
	-3513 Mar 10 j 05:54	0°♒	
	-3513 Apr 20 j 23:45	0°♓	
	-3513 Jun 04 j 09:08	0°♈	
	-3513 Jul 22 j 11:01	0°♉	
asc. node	-3513 Aug 12 j 03:26	11°♉53'05	
	-3513 Sep 16 j 13:46	0°♊	
retrograde	-3513 Nov 15 j 14:38	16°♊26'38	
opposition	-3513 Dec 24 j 23:53	7°♊08'02	4°09'03
greatest brilliancy	-3513 Dec 25 j 06:08	7°♊01'51	-1.3m
min. Earth dist.	-3513 Dec 27 j 08:20	6°♊12'06	0.66511 AU
	-3512 Jan 14 j 03:08	30°℞♉	
direct	-3512 Feb 04 j 03:28	27°♉08'12	
	-3512 Feb 26 j 16:53	0°♊	
	-3512 May 05 j 21:24	0°♋	
	-3512 Jun 23 j 16:33	0°♌	
	-3512 Aug 06 j 00:08	0°♍	
desc. node	-3512 Aug 18 j 07:02	8°♍57'43	
	-3512 Sep 15 j 07:27	0°♎	
	-3512 Oct 23 j 23:17	0°♏	
	-3512 Dec 01 j 02:31	0°♐	
evening set	-3512 Dec 06 j 18:04	4°♐25'42	
	-3511 Jan 08 j 17:00	0°♑	
conjunction	-3511 Feb 09 j 12:47	24°♑01'48	-1°04'41
minimum elong	-3511 Feb 09 j 14:19	24°♑04'37	1°04'48
	-3511 Feb 17 j 14:37	0°♒	
max. Earth dist.	-3511 Mar 26 j 07:00	26°♒24'21	2.48355 AU
	-3511 Mar 31 j 09:56	0°♓	
morning rise	-3511 Apr 11 j 12:35	7°♓43'05	
	-3511 May 14 j 10:48	0°♈	
asc. node	-3511 Jun 29 j 01:54	29°♈30'41	
	-3511 Jun 29 j 20:31	0°♉	
	-3511 Aug 18 j 02:38	0°♊	
	-3511 Oct 12 j 05:02	0°♋	
retrograde	-3511 Dec 23 j 11:50	21°♋53'48	
opposition	-3510 Jan 30 j 01:23	13°♋31'22	5°02'55
greatest brilliancy	-3510 Jan 31 j 02:03	13°♋07'53	-1.6m
min. Earth dist.	-3510 Feb 05 j 04:09	11°♋11'43	0.60212 AU
direct	-3510 Mar 11 j 20:56	3°♋42'12	
	-3510 May 27 j 03:46	0°♌	
desc. node	-3510 Jul 06 j 05:16	24°♌53'10	
	-3510 Jul 13 j 18:16	0°♍	
	-3510 Aug 24 j 12:24	0°♎	
	-3510 Oct 02 j 21:05	0°♏	
	-3510 Nov 10 j 12:23	0°♐	
	-3510 Dec 19 j 14:35	0°♑	
	-3509 Jan 29 j 00:20	0°♒	
evening set	-3509 Feb 08 j 16:44	7°♒43'11	
	-3509 Mar 12 j 06:34	0°♓	
conjunction	-3509 Apr 05 j 18:35	16°♓46'06	-0°23'41
minimum elong	-3509 Apr 05 j 19:45	16°♓48'03	0°23'41
	-3509 Apr 25 j 12:56	0°♈	
max. Earth dist.	-3509 Apr 30 j 10:08	3°♈14'01	2.59632 AU
asc. node	-3509 May 17 j 00:45	14°♈07'49	
morning rise	-3509 May 27 j 10:22	20°♈53'05	
	-3509 Jun 10 j 14:13	0°♉	
	-3509 Jul 28 j 02:07	0°♊	
	-3509 Sep 15 j 01:32	0°♋	
	-3509 Nov 06 j 00:22	0°♌	
	-3508 Jan 10 j 21:25	0°♍	
retrograde	-3508 Feb 11 j 18:50	5°♍24'13	
	-3508 Mar 12 j 19:16	30°℞♌	
opposition	-3508 Mar 17 j 00:02	28°♌35'55	3°37'42
greatest brilliancy	-3508 Mar 18 j 05:14	28°♌10'59	-2.2m
min. Earth dist.	-3508 Mar 25 j 11:22	25°♌43'26	0.48387 AU
direct	-3508 Apr 23 j 15:49	20°♌15'38	
desc. node	-3508 May 23 j 05:22	25°♌41'36	
	-3508 Jun 03 j 07:19	0°♍	
	-3508 Jul 26 j 05:29	0°♎	
	-3508 Sep 06 j 23:42	0°♏	
	-3508 Oct 17 j 12:21	0°♐	
	-3508 Nov 27 j 00:31	0°♑	
	-3507 Jan 07 j 14:47	0°♒	
	-3507 Feb 19 j 20:29	0°♓	
evening set	-3507 Mar 29 j 01:29	24°♓54'02	
asc. node	-3507 Apr 02 j 22:22	28°♓06'27	
	-3507 Apr 05 j 19:31	0°♈	
conjunction	-3507 May 17 j 21:03	27°♈16'39	0°24'59
minimum elong	-3507 May 17 j 20:08	27°♈15'10	0°25'01
	-3507 May 22 j 02:53	0°♉	
max. Earth dist.	-3507 May 25 j 13:36	2°♉12'32	2.65949 AU
morning rise	-3507 Jul 03 j 15:09	27°♉08'03	
	-3507 Jul 08 j 03:14	0°♊	
	-3507 Aug 24 j 06:52	0°♋	
	-3507 Oct 10 j 09:14	0°♌	
	-3507 Nov 26 j 20:31	0°♍	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3506 Jan 15 j 04:46	0°♎	
	-3506 Mar 14 j 20:59	0°♏	
desc. node	-3506 Apr 10 j 06:20	7°♏47'52	
retrograde	-3506 Apr 24 j 18:04	9°♏06'11	
opposition	-3506 May 25 j 05:49	4°♏03'51	-3°14'40
greatest brilliancy	-3506 May 25 j 09:25	4°♏01'26	-2.9m
min. Earth dist.	-3506 May 27 j 05:28	3°♏31'49	0.37991 AU
	-3506 Jun 11 j 12:56	30°℞♎	
direct	-3506 Jun 25 j 01:39	28°♎48'21	
	-3506 Jul 08 j 11:15	0°♏	
	-3506 Sep 14 j 06:10	0°♐	
	-3506 Oct 31 j 08:58	0°♑	
	-3506 Dec 15 j 14:13	0°♒	
	-3505 Jan 30 j 03:12	0°♓	
asc. node	-3505 Feb 18 j 19:43	12°♓47'30	
	-3505 Mar 17 j 13:37	0°♈	
	-3505 May 03 j 16:31	0°♉	
evening set	-3505 May 09 j 00:39	3°♉23'16	
max. Earth dist.	-3505 Jun 18 j 01:27	28°♉51'00	2.66856 AU
	-3505 Jun 19 j 20:40	0°♊	
conjunction	-3505 Jun 24 j 22:52	3°♊15'18	0°59'33
minimum elong	-3505 Jun 24 j 21:42	3°♊13'26	0°59'40
	-3505 Aug 05 j 09:26	0°♋	
morning rise	-3505 Aug 09 j 02:13	2°♋24'51	
	-3505 Sep 19 j 19:44	0°♌	
	-3505 Nov 03 j 01:13	0°♍	
	-3505 Dec 16 j 06:08	0°♎	
	-3504 Jan 27 j 20:33	0°♏	
desc. node	-3504 Feb 26 j 06:14	20°♏38'04	
	-3504 Mar 10 j 19:32	0°♐	
	-3504 Apr 26 j 02:20	0°♑	
retrograde	-3504 Jul 04 j 21:01	25°♑34'23	
min. Earth dist.	-3504 Aug 01 j 03:06	20°♑37'43	0.43553 AU
greatest brilliancy	-3504 Aug 07 j 10:53	18°♑33'05	-2.5m
opposition	-3504 Aug 09 j 00:12	18°♑02'16	-6°08'12
direct	-3504 Sep 09 j 16:06	11°♑52'19	
	-3504 Nov 10 j 03:50	0°♒	
	-3503 Jan 04 j 08:10	0°♓	
asc. node	-3503 Jan 05 j 18:37	0°♓50'12	
	-3503 Feb 23 j 14:47	0°♈	
	-3503 Apr 13 j 13:55	0°♉	
	-3503 May 31 j 12:37	0°♊	
evening set	-3503 Jun 15 j 06:16	9°♊23'10	
max. Earth dist.	-3503 Jul 11 j 23:56	26°♊40'44	2.62409 AU
	-3503 Jul 17 j 01:36	0°♋	
conjunction	-3503 Jul 31 j 22:58	9°♋50'26	1°10'48
minimum elong	-3503 Jul 31 j 23:08	9°♋50'44	1°10'57
	-3503 Aug 30 j 20:07	0°♌	
morning rise	-3503 Sep 16 j 16:26	11°♌37'23	
	-3503 Oct 12 j 18:38	0°♍	
	-3503 Nov 23 j 02:29	0°♎	
	-3502 Jan 02 j 06:23	0°♏	
desc. node	-3502 Jan 13 j 06:33	8°♏19'02	
	-3502 Feb 10 j 21:49	0°♐	
	-3502 Mar 23 j 00:15	0°♑	
	-3502 May 04 j 04:45	0°♒	
	-3502 Jun 21 j 17:20	0°♓	
retrograde	-3502 Aug 22 j 09:57	19°♓51'04	
min. Earth dist.	-3502 Sep 23 j 20:26	12°♓43'42	0.55992 AU
opposition	-3502 Sep 30 j 08:06	10°♓12'29	-2°20'50
greatest brilliancy	-3502 Sep 29 j 19:57	10°♓24'19	-1.9m
direct	-3502 Nov 05 j 08:37	2°♓03'02	
asc. node	-3502 Nov 23 j 18:06	4°♓03'02	
	-3501 Jan 28 j 02:58	0°♈	
	-3501 Mar 23 j 11:07	0°♉	
	-3501 May 12 j 09:05	0°♊	
	-3501 Jun 28 j 13:21	0°♋	
evening set	-3501 Jul 25 j 06:39	17°♋44'46	
max. Earth dist.	-3501 Aug 11 j 01:39	29°♋11'57	2.53027 AU
	-3501 Aug 12 j 05:32	0°♌	
conjunction	-3501 Sep 12 j 23:01	22°♌19'23	0°48'42
minimum elong	-3501 Sep 13 j 00:47	22°♌22'33	0°48'46
	-3501 Sep 23 j 14:23	0°♍	
	-3501 Nov 03 j 01:42	0°♎	
morning rise	-3501 Nov 05 j 04:38	1°♎36'16	
desc. node	-3501 Dec 01 j 05:23	21°♎29'22	
	-3501 Dec 12 j 06:00	0°♏	
	-3500 Jan 19 j 21:00	0°♐	
	-3500 Feb 27 j 19:25	0°♑	
	-3500 Apr 08 j 01:08	0°♒	
	-3500 May 20 j 21:10	0°♓	
	-3500 Jul 07 j 23:09	0°♈	
retrograde	-3500 Sep 28 j 04:39	29°♈22'46	
asc. node	-3500 Oct 10 j 18:04	28°♈17'36	
min. Earth dist.	-3500 Nov 04 j 06:38	20°♈36'50	0.64603 AU
opposition	-3500 Nov 07 j 04:56	19°♈26'05	1°03'45
greatest brilliancy	-3500 Nov 07 j 01:40	19°♈29'23	-1.5m
direct	-3500 Dec 16 j 05:45	10°♈08'20	
	-3499 Feb 22 j 16:04	0°♉	
	-3499 Apr 19 j 23:46	0°♊	
	-3499 Jun 08 j 01:48	0°♋	
	-3499 Jul 23 j 06:26	0°♌	
	-3499 Sep 03 j 12:59	0°♍	
evening set	-3499 Sep 09 j 14:14	4°♍26'26	
max. Earth dist.	-3499 Oct 01 j 15:22	20°♍53'17	2.40730 AU
	-3499 Oct 13 j 15:11	0°♎	
desc. node	-3499 Oct 18 j 02:50	3°♎26'00	
conjunction	-3499 Nov 06 j 06:36	18°♎14'15	-0°13'32
minimum elong	-3499 Nov 06 j 05:32	18°♎12'11	0°13'34
behind sun begin	-3499 Nov 05 j 14:46	17°♎43'29	
behind sun end	-3499 Nov 06 j 20:19	18°♎40'54	
	-3499 Nov 21 j 08:15	0°♏	
	-3499 Dec 29 j 12:49	0°♐	
morning rise	-3498 Jan 10 j 21:27	9°♐40'49	
	-3498 Feb 06 j 02:12	0°♑	
	-3498 Mar 17 j 21:06	0°♒	
	-3498 Apr 28 j 16:57	0°♓	
	-3498 Jun 12 j 11:39	0°♈	
	-3498 Aug 01 j 01:55	0°♉	
asc. node	-3498 Aug 28 j 19:00	14°♉31'44	
	-3498 Oct 07 j 14:42	0°♊	
retrograde	-3498 Nov 01 j 21:23	3°♊35'29	
	-3498 Nov 25 j 06:21	30°℞♉	
opposition	-3498 Dec 11 j 15:38	24°♉01'34	3°28'34
greatest brilliancy	-3498 Dec 11 j 16:26	24°♉00'46	-1.3m
min. Earth dist.	-3498 Dec 12 j 11:56	23°♉41'17	0.67224 AU
direct	-3497 Jan 21 j 10:54	14°♉08'04	
	-3497 Mar 21 j 16:18	0°♊	
	-3497 May 16 j 22:51	0°♋	
	-3497 Jul 03 j 01:00	0°♌	
	-3497 Aug 14 j 20:25	0°♍	
desc. node	-3497 Sep 05 j 00:14	15°♍37'20	
	-3497 Sep 23 j 23:38	0°♎	
	-3497 Nov 01 j 13:58	0°♏	
evening set	-3497 Nov 10 j 09:50	6°♏56'51	
	-3497 Dec 09 j 15:58	0°♐	
conjunction	-3496 Jan 15 j 06:29	28°♐31'24	-1°06'35
minimum elong	-3496 Jan 15 j 05:32	28°♐29'35	1°06'43
	-3496 Jan 17 j 04:34	0°♑	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3496 Feb 25 j 23:50	0°♒	
max. Earth dist.	-3496 Mar 04 j 18:18	5°♒42'19	2.43134 AU
morning rise	-3496 Mar 20 j 13:52	17°♒09'07	
	-3496 Apr 07 j 17:03	0°♓	
	-3496 May 21 j 18:38	0°♈	
	-3496 Jul 07 j 13:32	0°♉	
asc. node	-3496 Jul 15 j 18:40	5°♉03'27	
	-3496 Aug 27 j 07:07	0°♊	
	-3496 Oct 29 j 09:42	0°♋	
retrograde	-3496 Dec 07 j 12:53	7°♋45'30	
	-3495 Jan 12 j 06:19	30°℞♊	
opposition	-3495 Jan 14 j 23:04	28°♊57'37	4°52'17
greatest brilliancy	-3495 Jan 15 j 16:15	28°♊40'55	-1.5m
min. Earth dist.	-3495 Jan 19 j 15:05	27°♊08'48	0.63433 AU
direct	-3495 Feb 25 j 03:15	18°♊58'26	
	-3495 Apr 12 j 15:25	0°♋	
	-3495 Jun 08 j 02:29	0°♌	
desc. node	-3495 Jul 22 j 22:58	29°♌49'24	
	-3495 Jul 23 j 04:58	0°♍	
	-3495 Sep 02 j 03:51	0°♎	
	-3495 Oct 11 j 03:14	0°♏	
	-3495 Nov 18 j 11:47	0°♐	
	-3495 Dec 27 j 07:30	0°♑	
evening set	-3494 Jan 16 j 15:37	15°♑21'22	
	-3494 Feb 05 j 10:51	0°♒	
conjunction	-3494 Mar 17 j 04:34	28°♒24'39	-0°42'45
minimum elong	-3494 Mar 17 j 06:37	28°♒28'14	0°42'49
	-3494 Mar 19 j 11:14	0°♓	
max. Earth dist.	-3494 Apr 18 j 13:19	20°♓36'59	2.55748 AU
	-3494 May 02 j 13:49	0°♈	
morning rise	-3494 May 10 j 21:52	5°♈31'09	
asc. node	-3494 Jun 02 j 16:21	20°♈22'46	
	-3494 Jun 17 j 15:54	0°♉	
	-3494 Aug 04 j 14:34	0°♊	
	-3494 Sep 24 j 00:20	0°♋	
	-3494 Nov 20 j 03:20	0°♌	
retrograde	-3493 Jan 21 j 04:16	17°♌05'21	
opposition	-3493 Feb 25 j 21:08	9°♌34'22	4°37'11
greatest brilliancy	-3493 Feb 27 j 05:18	9°♌05'16	-1.9m
min. Earth dist.	-3493 Mar 05 j 19:48	6°♌42'27	0.53485 AU
direct	-3493 Apr 06 j 05:52	0°♌25'04	
desc. node	-3493 Jun 09 j 21:53	21°♌33'19	
	-3493 Jun 24 j 12:30	0°♍	
	-3493 Aug 08 j 14:09	0°♎	
	-3493 Sep 18 j 07:20	0°♏	
	-3493 Oct 27 j 18:37	0°♐	
	-3493 Dec 06 j 12:35	0°♑	
	-3492 Jan 16 j 12:12	0°♒	
	-3492 Feb 28 j 06:04	0°♓	
evening set	-3492 Mar 11 j 06:01	8°♓11'15	
	-3492 Apr 12 j 20:37	0°♈	
asc. node	-3492 Apr 19 j 14:40	4°♈26'46	
conjunction	-3492 May 02 j 01:02	12°♈34'37	0°07'09
minimum elong	-3492 May 02 j 00:43	12°♈34'07	0°07'11
behind sun begin	-3492 May 01 j 06:03	12°♈03'44	
behind sun end	-3492 May 02 j 19:24	13°♈04'29	
max. Earth dist.	-3492 May 15 j 23:18	21°♈36'39	2.64120 AU
	-3492 May 28 j 23:51	0°♉	
morning rise	-3492 Jun 19 j 06:09	13°♉35'43	
	-3492 Jul 15 j 02:31	0°♊	
	-3492 Aug 31 j 18:16	0°♋	
	-3492 Oct 19 j 02:13	0°♌	
	-3492 Dec 08 j 10:30	0°♍	
	-3491 Feb 05 j 09:28	0°♎	
retrograde	-3491 Mar 24 j 11:29	11°♎07'20	
opposition	-3491 Apr 24 j 22:37	5°♎35'54	0°08'17
greatest brilliancy	-3491 Apr 24 j 23:44	5°♎35'05	-2.8m
desc. node	-3491 Apr 26 j 22:37	5°♎00'46	
min. Earth dist.	-3491 May 01 j 09:20	3°♎43'09	0.40825 AU
	-3491 May 17 j 16:53	30°℞♍	
direct	-3491 May 28 j 12:45	29°♍12'38	
	-3491 Jun 08 j 07:53	0°♎	
	-3491 Aug 15 j 11:09	0°♏	
	-3491 Sep 29 j 17:02	0°♐	
	-3491 Nov 11 j 15:42	0°♑	
	-3491 Dec 24 j 20:24	0°♒	
	-3490 Feb 07 j 04:48	0°♓	
asc. node	-3490 Mar 07 j 11:55	18°♓40'12	
	-3490 Mar 24 j 21:46	0°♈	
evening set	-3490 Apr 23 j 16:40	19°♈10'46	
	-3490 May 10 j 14:53	0°♉	
max. Earth dist.	-3490 Jun 09 j 00:38	18°♉44'42	2.67156 AU
conjunction	-3490 Jun 10 j 09:57	19°♉37'45	0°48'28
minimum elong	-3490 Jun 10 j 08:40	19°♉35'42	0°48'33
	-3490 Jun 26 j 16:05	0°♊	
morning rise	-3490 Jul 25 j 19:51	18°♊40'59	
	-3490 Aug 12 j 08:48	0°♋	
	-3490 Sep 27 j 07:06	0°♌	
	-3490 Nov 11 j 10:27	0°♍	
	-3490 Dec 26 j 01:50	0°♎	
	-3489 Feb 08 j 23:09	0°♏	
desc. node	-3489 Mar 15 j 00:21	21°♏52'09	
	-3489 Mar 28 j 11:41	0°♐	
retrograde	-3489 Jun 11 j 04:31	27°♐41'18	
min. Earth dist.	-3489 Jul 08 j 00:11	23°♐13'48	0.39464 AU
greatest brilliancy	-3489 Jul 12 j 11:16	21°♐56'00	-2.8m
opposition	-3489 Jul 13 j 17:24	21°♐33'56	-6°32'18
direct	-3489 Aug 12 j 22:26	16°♐15'16	
	-3489 Oct 03 j 00:40	0°♑	
	-3489 Nov 27 j 09:09	0°♒	
	-3488 Jan 15 j 13:50	0°♓	
asc. node	-3488 Jan 23 j 09:08	4°♓50'21	
	-3488 Mar 03 j 19:38	0°♈	
	-3488 Apr 20 j 20:52	0°♉	
evening set	-3488 May 31 j 11:37	25°♉35'00	
	-3488 Jun 07 j 10:20	0°♊	
max. Earth dist.	-3488 Jul 02 j 00:58	15°♊46'25	2.64773 AU
conjunction	-3488 Jul 16 j 22:33	25°♊26'27	1°09'47
minimum elong	-3488 Jul 16 j 22:04	25°♊25'39	1°09'55
	-3488 Jul 23 j 21:56	0°♋	
morning rise	-3488 Aug 31 j 14:01	25°♋43'58	
	-3488 Sep 06 j 21:07	0°♌	
	-3488 Oct 20 j 05:27	0°♍	
	-3488 Dec 01 j 03:01	0°♎	
	-3487 Jan 10 j 23:23	0°♏	
desc. node	-3487 Jan 29 j 23:34	14°♏06'20	
	-3487 Feb 20 j 09:52	0°♐	
	-3487 Apr 02 j 14:39	0°♑	
	-3487 May 17 j 05:13	0°♒	
	-3487 Jul 22 j 08:35	0°♓	
retrograde	-3487 Aug 05 j 10:19	1°♓21'31	
	-3487 Aug 19 j 00:09	30°℞♒	
min. Earth dist.	-3487 Sep 04 j 16:32	25°♒04'30	0.51259 AU
greatest brilliancy	-3487 Sep 11 j 07:46	22°♒36'17	-2.1m
opposition	-3487 Sep 12 j 06:59	22°♒14'33	-3°54'37
direct	-3487 Oct 16 j 18:25	14°♒45'24	
asc. node	-3487 Dec 10 j 08:51	29°♒08'12	
	-3487 Dec 12 j 07:46	0°♓	
	-3486 Feb 08 j 08:32	0°♈	
	-3486 Mar 31 j 18:21	0°♉	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3486 May 19 j 16:50	0°♊	
	-3486 Jul 05 j 13:21	0°♋	
evening set	-3486 Jul 09 j 05:45	2°♋25'08	
max. Earth dist.	-3486 Jul 29 j 07:18	15°♋45'54	2.57217 AU
	-3486 Aug 19 j 05:23	0°♌	
conjunction	-3486 Aug 26 j 06:45	4°♌52'38	1°01'58
minimum elong	-3486 Aug 26 j 08:04	4°♌54'54	1°02'05
	-3486 Sep 30 j 18:32	0°♍	
morning rise	-3486 Oct 15 j 04:18	10°♍28'31	
	-3486 Nov 10 j 12:26	0°♎	
desc. node	-3486 Dec 17 j 22:04	28°♎23'50	
	-3486 Dec 20 j 00:12	0°♏	
	-3485 Jan 27 j 22:32	0°♐	
	-3485 Mar 08 j 04:16	0°♑	
	-3485 Apr 17 j 20:29	0°♒	
	-3485 May 31 j 17:23	0°♓	
	-3485 Jul 23 j 01:52	0°♈	
retrograde	-3485 Sep 15 j 04:41	15°♈09'49	
min. Earth dist.	-3485 Oct 20 j 14:30	6°♈57'57	0.61885 AU
opposition	-3485 Oct 24 j 23:16	5°♈13'08	-0°08'23
greatest brilliancy	-3485 Oct 24 j 22:51	5°♈13'33	-1.6m
asc. node	-3485 Oct 28 j 09:50	3°♈51'16	
	-3485 Nov 08 j 06:38	30°℞♓	
direct	-3485 Dec 01 j 23:03	26°♓17'32	
	-3485 Dec 27 j 22:44	0°♈	
	-3484 Mar 06 j 17:03	0°♉	
	-3484 Apr 28 j 10:50	0°♊	
	-3484 Jun 15 j 13:47	0°♋	
	-3484 Jul 30 j 11:52	0°♌	
evening set	-3484 Aug 20 j 20:13	14°♌56'15	
max. Earth dist.	-3484 Sep 05 j 11:43	26°♌09'33	2.45544 AU
	-3484 Sep 10 j 18:32	0°♍	
conjunction	-3484 Oct 13 j 17:15	24°♍29'23	0°14'41
minimum elong	-3484 Oct 13 j 18:12	24°♍31'10	0°14'41
behind sun begin	-3484 Oct 13 j 07:30	24°♍10'56	
behind sun end	-3484 Oct 14 j 04:54	24°♍51'23	
	-3484 Oct 20 j 23:29	0°♎	
desc. node	-3484 Nov 03 j 20:29	10°♎37'24	
	-3484 Nov 28 j 20:01	0°♏	
morning rise	-3484 Dec 13 j 08:58	11°♏22'18	
	-3483 Jan 06 j 03:34	0°♐	
	-3483 Feb 13 j 18:59	0°♑	
	-3483 Mar 25 j 15:54	0°♒	
	-3483 May 06 j 16:45	0°♓	
	-3483 Jun 21 j 04:18	0°♈	
	-3483 Aug 12 j 16:38	0°♉	
asc. node	-3483 Sep 14 j 09:52	14°♉04'53	
retrograde	-3483 Oct 19 j 11:07	20°♉43'40	
opposition	-3483 Nov 28 j 10:40	10°♉57'50	2°39'19
greatest brilliancy	-3483 Nov 28 j 07:53	11°♉00'38	-1.3m
min. Earth dist.	-3483 Nov 27 j 19:14	11°♉13'21	0.66951 AU
direct	-3482 Jan 07 j 16:43	1°♉15'10	
	-3482 Apr 03 j 16:37	0°♊	
	-3482 May 25 j 19:11	0°♋	
	-3482 Jul 10 j 21:41	0°♌	
	-3482 Aug 22 j 10:17	0°♍	
desc. node	-3482 Sep 21 j 17:45	22°♍33'25	
	-3482 Oct 01 j 12:11	0°♎	
evening set	-3482 Oct 15 j 09:01	10°♎40'54	
	-3482 Nov 09 j 02:50	0°♏	
	-3482 Dec 17 j 05:00	0°♐	
conjunction	-3482 Dec 18 j 08:05	0°♐53'15	-0°54'20
minimum elong	-3482 Dec 18 j 04:58	0°♐47'08	0°54'24
max. Earth dist.	-3481 Jan 22 j 17:35	28°♐29'06	2.38458 AU
	-3481 Jan 24 j 16:47	0°♑	
morning rise	-3481 Feb 24 j 11:07	23°♑20'12	
	-3481 Mar 05 j 10:27	0°♒	
	-3481 Apr 16 j 02:42	0°♓	
	-3481 May 30 j 07:10	0°♈	
	-3481 Jul 16 j 17:34	0°♉	
asc. node	-3481 Aug 02 j 09:34	9°♉53'52	
	-3481 Sep 08 j 01:34	0°♊	
retrograde	-3481 Nov 23 j 18:01	24°♊21'40	
opposition	-3480 Jan 01 j 19:52	15°♊12'57	4°28'05
greatest brilliancy	-3480 Jan 02 j 05:48	15°♊03'09	-1.4m
min. Earth dist.	-3480 Jan 05 j 00:15	13°♊57'39	0.65683 AU
direct	-3480 Feb 12 j 01:00	5°♊11'36	
	-3480 Apr 28 j 08:51	0°♋	
	-3480 Jun 17 j 22:35	0°♌	
	-3480 Jul 31 j 18:47	0°♍	
desc. node	-3480 Aug 08 j 15:29	5°♍40'39	
	-3480 Sep 10 j 06:50	0°♎	
	-3480 Oct 19 j 00:55	0°♏	
	-3480 Nov 26 j 05:36	0°♐	
evening set	-3480 Dec 22 j 02:36	20°♐09'53	
	-3479 Jan 03 j 21:15	0°♑	
	-3479 Feb 12 j 20:06	0°♒	
conjunction	-3479 Feb 23 j 05:33	7°♒35'31	-0°58'37
minimum elong	-3479 Feb 23 j 07:42	7°♒39'26	0°58'43
	-3479 Mar 26 j 16:14	0°♓	
max. Earth dist.	-3479 Apr 04 j 16:26	6°♓15'57	2.51162 AU
morning rise	-3479 Apr 22 j 18:45	18°♓39'15	
	-3479 May 09 j 16:27	0°♈	
asc. node	-3479 Jun 19 j 08:35	26°♈28'30	
	-3479 Jun 24 j 21:41	0°♉	
	-3479 Aug 12 j 12:57	0°♊	
	-3479 Oct 04 j 07:40	0°♋	
	-3479 Dec 20 j 23:36	0°♌	
retrograde	-3478 Jan 02 j 07:08	0°♌52'45	
	-3478 Jan 14 j 01:09	30°℞♋	
opposition	-3478 Feb 08 j 06:10	22°♋46'33	5°00'24
greatest brilliancy	-3478 Feb 09 j 10:24	22°♋20'02	-1.7m
min. Earth dist.	-3478 Feb 15 j 02:16	20°♋12'39	0.58056 AU
direct	-3478 Mar 20 j 16:25	13°♋07'15	
	-3478 May 17 j 12:56	0°♌	
desc. node	-3478 Jun 26 j 15:48	23°♌07'18	
	-3478 Jul 07 j 04:45	0°♍	
	-3478 Aug 18 j 18:17	0°♎	
	-3478 Sep 27 j 11:29	0°♏	
	-3478 Nov 05 j 08:00	0°♐	
	-3478 Dec 14 j 14:03	0°♑	
	-3477 Jan 24 j 03:13	0°♒	
evening set	-3477 Feb 20 j 18:41	19°♒43'39	
	-3477 Mar 07 j 12:18	0°♓	
conjunction	-3477 Apr 16 j 03:25	26°♓52'19	-0°12'12
minimum elong	-3477 Apr 16 j 04:00	26°♓53'16	0°12'12
behind sun begin	-3477 Apr 15 j 14:05	26°♓30'08	
behind sun end	-3477 Apr 16 j 17:54	27°♓16'24	
	-3477 Apr 20 j 20:29	0°♈	
max. Earth dist.	-3477 May 06 j 17:11	10°♈26'51	2.61473 AU
asc. node	-3477 May 07 j 05:43	10°♈47'22	
morning rise	-3477 Jun 05 j 08:58	29°♈39'56	
	-3477 Jun 05 j 21:29	0°♉	
	-3477 Jul 23 j 04:52	0°♊	
	-3477 Sep 09 j 14:05	0°♋	
	-3477 Oct 29 j 20:04	0°♌	
	-3477 Dec 25 j 06:48	0°♍	
retrograde	-3476 Feb 25 j 12:25	17°♍29'38	
opposition	-3476 Mar 29 j 20:37	11°♍07'56	2°40'16

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

greatest brilliancy	-3476 Mar 30 j 18:56	10°♍49'45	-2.4m
min. Earth dist.	-3476 Apr 07 j 04:16	8°♍26'36	0.45538 AU
direct	-3476 May 05 j 05:59	3°♍24'36	
desc. node	-3476 May 13 j 15:51	3°♍53'22	
	-3476 Jul 16 j 12:06	0°♎	
	-3476 Aug 30 j 17:54	0°♏	
	-3476 Oct 11 j 06:50	0°♐	
	-3476 Nov 21 j 09:14	0°♑	
	-3475 Jan 02 j 09:22	0°♒	
	-3475 Feb 14 j 22:07	0°♓	
asc. node	-3475 Mar 24 j 03:15	24°♓47'39	
	-3475 Apr 01 j 01:53	0°♈	
evening set	-3475 Apr 07 j 16:32	4°♈18'50	
	-3475 May 17 j 11:43	0°♉	
conjunction	-3475 May 26 j 15:06	5°♉50'56	0°34'24
minimum elong	-3475 May 26 j 13:58	5°♉49'07	0°34'27
max. Earth dist.	-3475 May 31 j 01:00	8°♉40'04	2.66613 AU
	-3475 Jul 03 j 11:50	0°♊	
morning rise	-3475 Jul 11 j 18:19	5°♊16'25	
	-3475 Aug 19 j 10:46	0°♋	
	-3475 Oct 05 j 01:23	0°♌	
	-3475 Nov 20 j 12:02	0°♍	
	-3474 Jan 06 j 12:58	0°♎	
	-3474 Feb 25 j 15:29	0°♏	
desc. node	-3474 Mar 31 j 15:57	16°♏53'38	
retrograde	-3474 May 12 j 19:52	26°♏48'10	
min. Earth dist.	-3474 Jun 11 j 07:34	21°♏57'35	0.37671 AU
opposition	-3474 Jun 12 j 10:02	21°♏40'01	-4°59'01
greatest brilliancy	-3474 Jun 12 j 03:13	21°♏44'32	-2.9m
direct	-3474 Jul 12 j 07:18	16°♏40'32	
	-3474 Aug 30 j 14:06	0°♐	
	-3474 Oct 23 j 00:25	0°♑	
	-3474 Dec 09 j 04:11	0°♒	
	-3473 Jan 24 j 15:37	0°♓	
asc. node	-3473 Feb 09 j 01:31	9°♓53'38	
	-3473 Mar 12 j 14:07	0°♈	
	-3473 Apr 28 j 23:28	0°♉	
evening set	-3473 May 17 j 15:32	11°♉48'37	
	-3473 Jun 15 j 06:27	0°♊	
max. Earth dist.	-3473 Jun 23 j 12:27	5°♊16'29	2.66343 AU
conjunction	-3473 Jul 03 j 07:10	11°♊32'58	1°04'26
minimum elong	-3473 Jul 03 j 06:11	11°♊31'24	1°04'33
	-3473 Jul 31 j 18:38	0°♋	
morning rise	-3473 Aug 17 j 11:14	10°♋57'33	
	-3473 Sep 15 j 00:51	0°♌	
	-3473 Oct 28 j 22:10	0°♍	
	-3473 Dec 10 j 14:15	0°♎	
	-3472 Jan 21 j 10:11	0°♏	
desc. node	-3472 Feb 16 j 16:39	18°♏55'47	
	-3472 Mar 03 j 03:55	0°♐	
	-3472 Apr 15 j 14:56	0°♑	
	-3472 Jun 07 j 04:55	0°♒	
retrograde	-3472 Jul 17 j 04:28	9°♒52'00	
min. Earth dist.	-3472 Aug 14 j 07:35	4°♒28'39	0.46246 AU
greatest brilliancy	-3472 Aug 21 j 01:11	2°♒08'45	-2.4m
opposition	-3472 Aug 22 j 11:11	1°♒39'07	-5°26'10
	-3472 Aug 27 j 07:55	30°℞♑	
direct	-3472 Sep 24 j 04:37	24°♑59'00	
	-3472 Oct 23 j 17:28	0°♒	
asc. node	-3472 Dec 27 j 00:23	29°♒34'13	
	-3472 Dec 27 j 19:10	0°♓	
	-3471 Feb 17 j 21:28	0°♈	
	-3471 Apr 08 j 13:33	0°♉	
	-3471 May 26 j 19:46	0°♊	
evening set	-3471 Jun 23 j 21:13	17°♊54'27	
	-3471 Jul 12 j 11:16	0°♋	
max. Earth dist.	-3471 Jul 18 j 03:13	3°♋43'34	2.60761 AU
conjunction	-3471 Aug 09 j 22:01	18°♋55'10	1°09'09
minimum elong	-3471 Aug 09 j 22:36	18°♋56'10	1°09'16
	-3471 Aug 26 j 05:05	0°♌	
morning rise	-3471 Sep 26 j 12:49	21°♌49'25	
	-3471 Oct 08 j 00:29	0°♍	
	-3471 Nov 18 j 03:24	0°♎	
	-3471 Dec 28 j 01:08	0°♏	
desc. node	-3470 Jan 03 j 15:48	5°♏01'32	
	-3470 Feb 05 j 09:36	0°♐	
	-3470 Mar 17 j 02:27	0°♑	
	-3470 Apr 27 j 12:41	0°♒	
	-3470 Jun 12 j 11:43	0°♓	
retrograde	-3470 Aug 31 j 09:40	29°♓46'30	
min. Earth dist.	-3470 Oct 03 j 22:43	22°♓14'18	0.58297 AU
opposition	-3470 Oct 09 j 16:54	19°♓58'01	-1°29'51
greatest brilliancy	-3470 Oct 09 j 09:57	20°♓04'53	-1.8m
asc. node	-3470 Nov 14 j 00:22	11°♓31'06	
direct	-3470 Nov 15 j 11:10	11°♓30'17	
	-3469 Jan 19 j 07:07	0°♈	
	-3469 Mar 17 j 14:24	0°♉	
	-3469 May 07 j 08:24	0°♊	
	-3469 Jun 23 j 20:06	0°♋	
evening set	-3469 Aug 03 j 21:57	27°♋27'43	
	-3469 Aug 07 j 14:28	0°♌	
max. Earth dist.	-3469 Aug 19 j 13:40	8°♌19'00	2.50435 AU
	-3469 Sep 18 j 22:44	0°♍	
conjunction	-3469 Sep 23 j 20:48	3°♍35'09	0°38'05
minimum elong	-3469 Sep 23 j 22:33	3°♍38'21	0°38'07
	-3469 Oct 29 j 07:51	0°♎	
morning rise	-3469 Nov 18 j 11:50	15°♎23'48	
desc. node	-3469 Nov 21 j 13:33	17°♎45'40	
	-3469 Dec 07 j 09:14	0°♏	
	-3468 Jan 14 j 21:21	0°♐	
	-3468 Feb 22 j 16:39	0°♑	
	-3468 Apr 02 j 17:51	0°♒	
	-3468 May 15 j 04:09	0°♓	
	-3468 Jun 30 j 22:02	0°♈	
	-3468 Aug 29 j 18:36	0°♉	
asc. node	-3468 Oct 01 j 01:12	7°♉24'40	
retrograde	-3468 Oct 06 j 00:36	7°♉34'13	
	-3468 Nov 09 j 05:37	30°℞♈	
min. Earth dist.	-3468 Nov 12 j 22:24	28°♈31'38	0.65704 AU
opposition	-3468 Nov 15 j 01:30	27°♈40'09	1°41'24
greatest brilliancy	-3468 Nov 14 j 21:31	27°♈44'10	-1.4m
direct	-3468 Dec 24 j 13:53	18°♈12'27	
	-3467 Feb 12 j 15:23	0°♉	
	-3467 Apr 14 j 00:13	0°♊	
	-3467 Jun 02 j 23:32	0°♋	
	-3467 Jul 18 j 11:31	0°♌	
	-3467 Aug 29 j 20:25	0°♍	
evening set	-3467 Sep 21 j 18:23	16°♍58'44	
desc. node	-3467 Oct 08 j 12:18	29°♍40'21	
	-3467 Oct 08 j 22:34	0°♎	
max. Earth dist.	-3467 Oct 25 j 20:33	13°♎01'44	2.38509 AU
	-3467 Nov 16 j 14:30	0°♏	
conjunction	-3467 Nov 20 j 20:31	3°♏20'10	-0°29'56
minimum elong	-3467 Nov 20 j 18:09	3°♏15'31	0°29'59
	-3467 Dec 24 j 17:44	0°♐	
morning rise	-3466 Jan 27 j 10:54	26°♐18'32	
	-3466 Feb 01 j 05:46	0°♑	
	-3466 Mar 12 j 23:08	0°♒	
	-3466 Apr 23 j 16:20	0°♓	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3466 Jun 07 j 03:17	0°♈	
	-3466 Jul 25 j 15:50	0°♉	
asc. node	-3466 Aug 19 j 00:49	13°♉35'34	
	-3466 Sep 22 j 11:52	0°♊	
retrograde	-3466 Nov 09 j 17:56	11°♊23'54	
opposition	-3466 Dec 19 j 07:13	1°♊58'02	3°53'06
greatest brilliancy	-3466 Dec 19 j 10:51	1°♊54'25	-1.3m
min. Earth dist.	-3466 Dec 20 j 23:16	1°♊18'08	0.66962 AU
	-3466 Dec 24 j 06:17	30°℞♉	
direct	-3465 Jan 29 j 07:17	22°♉00'31	
	-3465 Mar 09 j 23:29	0°♊	
	-3465 May 10 j 15:53	0°♋	
	-3465 Jun 27 j 17:34	0°♌	
	-3465 Aug 09 j 21:06	0°♍	
desc. node	-3465 Aug 26 j 10:16	12°♍07'51	
	-3465 Sep 19 j 03:27	0°♎	
	-3465 Oct 27 j 18:55	0°♏	
evening set	-3465 Nov 25 j 17:57	22°♏48'18	
	-3465 Dec 04 j 21:25	0°♐	
	-3464 Jan 12 j 10:14	0°♑	
conjunction	-3464 Jan 30 j 09:46	13°♑42'10	-1°07'02
minimum elong	-3464 Jan 30 j 10:25	13°♑43'23	1°07'10
	-3464 Feb 21 j 05:33	0°♒	
max. Earth dist.	-3464 Mar 18 j 00:45	18°♒44'25	2.46019 AU
morning rise	-3464 Apr 02 j 10:01	29°♒38'07	
	-3464 Apr 02 j 22:30	0°♓	
	-3464 May 16 j 21:54	0°♈	
	-3464 Jul 02 j 09:36	0°♉	
asc. node	-3464 Jul 05 j 23:19	2°♉14'01	
	-3464 Aug 21 j 02:59	0°♊	
	-3464 Oct 17 j 10:42	0°♋	
retrograde	-3464 Dec 16 j 12:20	16°♋10'52	
opposition	-3463 Jan 23 j 11:12	7°♋36'23	4°59'59
greatest brilliancy	-3463 Jan 24 j 08:35	7°♋15'48	-1.5m
min. Earth dist.	-3463 Jan 28 j 22:18	5°♋30'15	0.61775 AU
	-3463 Feb 14 j 19:44	30°℞♊	
direct	-3463 Mar 05 j 11:01	27°♊41'35	
	-3463 Mar 25 j 03:47	0°♋	
	-3463 May 31 j 23:11	0°♌	
desc. node	-3463 Jul 13 j 08:25	27°♌12'45	
	-3463 Jul 17 j 09:22	0°♍	
	-3463 Aug 27 j 19:19	0°♎	
	-3463 Oct 05 j 23:54	0°♏	
	-3463 Nov 13 j 11:55	0°♐	
	-3463 Dec 22 j 10:21	0°♑	
evening set	-3462 Jan 30 j 00:12	28°♑47'24	
	-3462 Jan 31 j 15:57	0°♒	
	-3462 Mar 14 j 18:11	0°♓	
conjunction	-3462 Mar 28 j 14:10	9°♓33'14	-0°31'58
minimum elong	-3462 Mar 28 j 15:45	9°♓35'57	0°32'00
max. Earth dist.	-3462 Apr 25 j 14:39	28°♓29'04	2.57975 AU
	-3462 Apr 27 j 21:19	0°♈	
morning rise	-3462 May 20 j 12:37	14°♈54'03	
asc. node	-3462 May 23 j 22:16	17°♈06'56	
	-3462 Jun 12 j 21:39	0°♉	
	-3462 Jul 30 j 12:50	0°♊	
	-3462 Sep 18 j 00:15	0°♋	
	-3462 Nov 10 j 14:33	0°♌	
retrograde	-3461 Feb 01 j 23:40	27°♌36'27	
opposition	-3461 Mar 08 j 22:02	20°♌27'54	4°08'12
greatest brilliancy	-3461 Mar 10 j 05:32	20°♌00'12	-2.1m
min. Earth dist.	-3461 Mar 17 j 06:23	17°♌32'45	0.50717 AU
direct	-3461 Apr 16 j 09:56	11°♌42'59	
desc. node	-3461 May 31 j 08:09	23°♌11'19	
	-3461 Jun 14 j 02:58	0°♍	
	-3461 Aug 01 j 10:04	0°♎	
	-3461 Sep 12 j 02:48	0°♏	
	-3461 Oct 22 j 02:27	0°♐	
	-3461 Dec 01 j 04:56	0°♑	
	-3460 Jan 11 j 11:01	0°♒	
	-3460 Feb 23 j 10:02	0°♓	
evening set	-3460 Mar 21 j 14:12	18°♓21'02	
	-3460 Apr 08 j 03:58	0°♈	
asc. node	-3460 Apr 09 j 20:09	1°♈06'07	
conjunction	-3460 May 11 j 05:30	21°♈32'47	0°17'43
minimum elong	-3460 May 11 j 04:48	21°♈31'40	0°17'46
max. Earth dist.	-3460 May 21 j 15:04	28°♈14'45	2.65233 AU
	-3460 May 24 j 08:36	0°♉	
morning rise	-3460 Jun 27 j 13:34	21°♉51'04	
	-3460 Jul 10 j 09:22	0°♊	
	-3460 Aug 26 j 17:40	0°♋	
	-3460 Oct 13 j 07:39	0°♌	
	-3460 Nov 30 j 19:57	0°♍	
	-3459 Jan 21 j 21:03	0°♎	
retrograde	-3459 Apr 10 j 18:30	26°♎46'15	
desc. node	-3459 Apr 17 j 08:55	26°♎29'37	
opposition	-3459 May 11 j 12:28	21°♎35'30	-1°44'09
greatest brilliancy	-3459 May 11 j 18:05	21°♎31'35	-2.9m
min. Earth dist.	-3459 May 15 j 18:26	20°♎24'45	0.38951 AU
direct	-3459 Jun 12 j 12:10	15°♎53'44	
	-3459 Aug 01 j 04:56	0°♏	
	-3459 Sep 21 j 03:30	0°♐	
	-3459 Nov 04 j 22:24	0°♑	
	-3459 Dec 19 j 01:45	0°♒	
	-3458 Feb 01 j 23:52	0°♓	
asc. node	-3458 Feb 25 j 17:07	15°♓32'24	
	-3458 Mar 20 j 01:04	0°♈	
evening set	-3458 May 02 j 13:11	27°♈49'52	
	-3458 May 05 j 22:57	0°♉	
max. Earth dist.	-3458 Jun 14 j 08:19	25°♉04'15	2.67090 AU
conjunction	-3458 Jun 18 j 18:50	27°♉54'08	0°55'18
minimum elong	-3458 Jun 18 j 17:36	27°♉52'09	0°55'24
	-3458 Jun 22 j 01:42	0°♊	
morning rise	-3458 Aug 02 j 23:41	26°♊57'14	
	-3458 Aug 07 j 16:20	0°♋	
	-3458 Sep 22 j 08:11	0°♌	
	-3458 Nov 05 j 23:00	0°♍	
	-3458 Dec 19 j 17:52	0°♎	
	-3457 Feb 01 j 04:27	0°♏	
desc. node	-3457 Mar 05 j 08:42	21°♏54'49	
	-3457 Mar 17 j 13:27	0°♐	
	-3457 May 07 j 02:29	0°♑	
retrograde	-3457 Jun 25 j 15:42	14°♑20'12	
min. Earth dist.	-3457 Jul 22 j 10:38	9°♑41'10	0.41543 AU
greatest brilliancy	-3457 Jul 28 j 03:47	7°♑54'20	-2.6m
opposition	-3457 Jul 29 j 16:21	7°♑25'40	-6°29'29
direct	-3457 Aug 29 j 13:49	1°♑40'10	
	-3457 Nov 18 j 07:33	0°♒	
	-3456 Jan 09 j 05:21	0°♓	
asc. node	-3456 Jan 13 j 15:44	2°♓40'01	
	-3456 Feb 27 j 11:35	0°♈	
	-3456 Apr 16 j 00:21	0°♉	
	-3456 Jun 02 j 19:11	0°♊	
evening set	-3456 Jun 08 j 22:37	3°♊54'27	
max. Earth dist.	-3456 Jul 07 j 17:42	22°♊25'42	2.63566 AU
	-3456 Jul 19 j 08:07	0°♋	
conjunction	-3456 Jul 25 j 11:22	4°♋01'53	1°10'56
minimum elong	-3456 Jul 25 j 11:15	4°♋01'41	1°11'04
	-3456 Sep 02 j 05:34	0°♌	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

morning rise	-3456 Sep 09 j 15:05	5°♌03'38	
	-3456 Oct 15 j 09:01	0°♍	
	-3456 Nov 25 j 23:18	0°♎	
	-3455 Jan 05 j 10:10	0°♏	
desc. node	-3455 Jan 20 j 09:01	11°♏12'51	
	-3455 Feb 14 j 09:05	0°♐	
	-3455 Mar 26 j 20:26	0°♑	
	-3455 May 08 j 18:18	0°♒	
	-3455 Jun 29 j 09:15	0°♓	
retrograde	-3455 Aug 15 j 09:07	12°♓38'29	
min. Earth dist.	-3455 Sep 15 j 20:59	5°♓52'18	0.53951 AU
opposition	-3455 Sep 22 j 21:08	3°♓11'19	-3°00'11
greatest brilliancy	-3455 Sep 22 j 04:24	3°♓27'22	-2.0m
	-3455 Oct 01 j 15:17	30°℞♒	
direct	-3455 Oct 28 j 05:13	25°♒18'41	
	-3455 Nov 26 j 05:03	0°♓	
asc. node	-3455 Nov 30 j 15:24	1°♓22'36	
	-3454 Feb 01 j 09:39	0°♈	
	-3454 Mar 26 j 08:14	0°♉	
	-3454 May 14 j 20:09	0°♊	
	-3454 Jun 30 j 21:52	0°♋	
evening set	-3454 Jul 18 j 06:47	11°♋28'02	
max. Earth dist.	-3454 Aug 05 j 11:47	23°♋44'16	2.54990 AU
	-3454 Aug 14 j 15:13	0°♌	
conjunction	-3454 Sep 05 j 03:18	14°♌59'45	0°55'07
minimum elong	-3454 Sep 05 j 04:54	15°♌02'36	0°55'13
	-3454 Sep 26 j 03:03	0°♍	
morning rise	-3454 Oct 26 j 17:35	22°♍29'29	
	-3454 Nov 05 j 18:08	0°♎	
desc. node	-3454 Dec 08 j 08:20	24°♎48'47	
	-3454 Dec 15 j 01:59	0°♏	
	-3453 Jan 22 j 20:02	0°♐	
	-3453 Mar 02 j 20:48	0°♑	
	-3453 Apr 12 j 05:07	0°♒	
	-3453 May 25 j 08:05	0°♓	
	-3453 Jul 13 j 14:08	0°♈	
retrograde	-3453 Sep 23 j 08:09	23°♈52'50	
asc. node	-3453 Oct 18 j 15:08	19°♈29'02	
min. Earth dist.	-3453 Oct 29 j 16:15	15°♈21'37	0.63507 AU
opposition	-3453 Nov 02 j 06:23	13°♈55'03	0°34'48
greatest brilliancy	-3453 Nov 02 j 04:15	13°♈57'12	-1.5m
direct	-3453 Dec 10 j 20:24	4°♈46'36	
	-3452 Feb 28 j 07:30	0°♉	
	-3452 Apr 22 j 22:59	0°♊	
	-3452 Jun 10 j 15:47	0°♋	
	-3452 Jul 25 j 18:53	0°♌	
evening set	-3452 Aug 31 j 18:59	26°♌07'59	
	-3452 Sep 06 j 02:41	0°♍	
max. Earth dist.	-3452 Sep 18 j 16:56	9°♍15'21	2.42830 AU
	-3452 Oct 16 j 07:04	0°♎	
desc. node	-3452 Oct 25 j 05:41	6°♎50'40	
conjunction	-3452 Oct 26 j 15:57	7°♎56'30	-0°01'02
minimum elong	-3452 Oct 26 j 15:53	7°♎56'23	0°01'03
behind sun begin	-3452 Oct 25 j 14:50	7°♎08'16	
behind sun end	-3452 Oct 27 j 16:56	8°♎44'33	
	-3452 Nov 24 j 02:05	0°♏	
morning rise	-3452 Dec 29 j 05:00	27°♏33'00	
	-3451 Jan 01 j 07:59	0°♐	
	-3451 Feb 08 j 21:45	0°♑	
	-3451 Mar 20 j 16:15	0°♒	
	-3451 May 01 j 12:26	0°♓	
	-3451 Jun 15 j 11:01	0°♈	
	-3451 Aug 04 j 21:37	0°♉	
asc. node	-3451 Sep 04 j 15:31	15°♉10'57	
retrograde	-3451 Oct 27 j 04:50	28°♉34'58	
opposition	-3451 Dec 06 j 01:27	18°♉55'11	3°09'06
greatest brilliancy	-3451 Dec 06 j 00:21	18°♉56'17	-1.3m
min. Earth dist.	-3451 Dec 06 j 05:20	18°♉51'16	0.67226 AU
direct	-3450 Jan 15 j 15:07	9°♉06'04	
	-3450 Mar 26 j 20:14	0°♊	
	-3450 May 20 j 03:36	0°♋	
	-3450 Jul 05 j 20:39	0°♌	
	-3450 Aug 17 j 14:16	0°♍	
desc. node	-3450 Sep 12 j 03:03	18°♍54'24	
	-3450 Sep 26 j 17:48	0°♎	
evening set	-3450 Oct 29 j 19:15	25°♎38'28	
	-3450 Nov 04 j 08:32	0°♏	
	-3450 Dec 12 j 10:28	0°♐	
conjunction	-3449 Jan 03 j 04:16	17°♐01'57	-1°03'03
minimum elong	-3449 Jan 03 j 02:07	16°♐57'45	1°03'09
	-3449 Jan 19 j 22:06	0°♑	
max. Earth dist.	-3449 Feb 20 j 06:22	23°♑46'27	2.40855 AU
	-3449 Feb 28 j 15:31	0°♒	
morning rise	-3449 Mar 11 j 01:54	7°♒39'45	
	-3449 Apr 11 j 06:56	0°♓	
	-3449 May 25 j 07:52	0°♈	
	-3449 Jul 11 j 06:50	0°♉	
asc. node	-3449 Jul 23 j 15:44	7°♉31'50	
	-3449 Aug 31 j 19:37	0°♊	
	-3449 Nov 11 j 09:03	0°♋	
retrograde	-3449 Dec 02 j 03:21	2°♋25'15	
	-3449 Dec 21 j 11:40	30°℞♊	
opposition	-3448 Jan 09 j 20:35	23°♊27'32	4°43'20
greatest brilliancy	-3448 Jan 10 j 10:28	23°♊13'56	-1.4m
min. Earth dist.	-3448 Jan 13 j 20:17	21°♊53'49	0.64565 AU
direct	-3448 Feb 20 j 01:36	13°♊26'35	
	-3448 Apr 19 j 09:33	0°♋	
	-3448 Jun 11 j 20:40	0°♌	
	-3448 Jul 26 j 10:15	0°♍	
desc. node	-3448 Jul 30 j 01:44	2°♍35'47	
	-3448 Sep 05 j 05:07	0°♎	
	-3448 Oct 14 j 02:16	0°♏	
	-3448 Nov 21 j 08:45	0°♐	
	-3448 Dec 30 j 01:51	0°♑	
evening set	-3447 Jan 05 j 19:36	5°♑08'20	
	-3447 Feb 08 j 01:54	0°♒	
conjunction	-3447 Mar 08 j 00:19	20°♒10'27	-0°50'06
minimum elong	-3447 Mar 08 j 02:34	20°♒14'27	0°50'10
	-3447 Mar 21 j 23:03	0°♓	
max. Earth dist.	-3447 Apr 13 j 01:17	15°♓14'47	2.53774 AU
morning rise	-3447 May 03 j 08:38	28°♓56'00	
	-3447 May 04 j 23:04	0°♈	
asc. node	-3447 Jun 09 j 13:50	23°♈17'57	
	-3447 Jun 20 j 01:07	0°♉	
	-3447 Aug 07 j 04:53	0°♊	
	-3447 Sep 27 j 09:36	0°♋	
	-3447 Nov 27 j 12:34	0°♌	
retrograde	-3446 Jan 12 j 18:14	10°♌21'25	
opposition	-3446 Feb 18 j 01:20	2°♌33'40	4°50'03
greatest brilliancy	-3446 Feb 19 j 08:09	2°♌05'14	-1.8m
	-3446 Feb 25 j 00:10	30°℞♋	
min. Earth dist.	-3446 Feb 25 j 12:47	29°♋48'36	0.55622 AU
direct	-3446 Mar 29 j 22:32	23°♋09'00	
	-3446 May 03 j 08:04	0°♌	
desc. node	-3446 Jun 17 j 00:49	22°♌07'57	
	-3446 Jun 29 j 19:20	0°♍	
	-3446 Aug 12 j 15:16	0°♎	
	-3446 Sep 21 j 20:58	0°♏	
	-3446 Oct 31 j 00:51	0°♐	
	-3446 Dec 09 j 12:27	0°♑	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3445 Jan 19 j 05:53	0°♒	
	-3445 Mar 02 j 18:25	0°♓	
evening set	-3445 Mar 04 j 02:07	0°♓54'38	
	-3445 Apr 16 j 04:43	0°♈	
conjunction	-3445 Apr 25 j 22:59	6°♈26'10	-0°00'54
minimum elong	-3445 Apr 25 j 23:02	6°♈26'16	0°00'53
behind sun begin	-3445 Apr 25 j 02:06	5°♈51'54	
behind sun end	-3445 Apr 26 j 19:58	7°♈00'38	
asc. node	-3445 Apr 27 j 11:44	7°♈26'29	
max. Earth dist.	-3445 May 12 j 17:38	17°♈23'45	2.63037 AU
	-3445 Jun 01 j 06:01	0°♉	
morning rise	-3445 Jun 13 j 23:56	8°♉09'56	
	-3445 Jul 18 j 09:55	0°♊	
	-3445 Sep 04 j 08:13	0°♋	
	-3445 Oct 23 j 09:10	0°♌	
	-3445 Dec 14 j 15:39	0°♍	
	-3444 Feb 29 j 10:23	0°♎	
retrograde	-3444 Mar 11 j 18:20	0°♎45'36	
	-3444 Mar 22 j 19:45	30°℞♍	
opposition	-3444 Apr 13 j 00:53	24°♍52'32	1°22'05
greatest brilliancy	-3444 Apr 13 j 12:17	24°♍43'48	-2.6m
min. Earth dist.	-3444 Apr 20 j 15:14	22°♍33'12	0.42781 AU
desc. node	-3444 May 04 j 00:47	19°♍11'29	
direct	-3444 May 17 j 22:59	17°♍52'31	
	-3444 Jul 02 j 07:50	0°♎	
	-3444 Aug 22 j 06:24	0°♏	
	-3444 Oct 04 j 10:48	0°♐	
	-3444 Nov 15 j 10:14	0°♑	
	-3444 Dec 27 j 23:51	0°♒	
	-3443 Feb 09 j 21:53	0°♓	
asc. node	-3443 Mar 14 j 09:22	21°♓32'58	
	-3443 Mar 27 j 07:37	0°♈	
evening set	-3443 Apr 16 j 22:59	13°♈22'11	
	-3443 May 12 j 20:47	0°♉	
conjunction	-3443 Jun 04 j 03:48	14°♉13'58	0°42'54
minimum elong	-3443 Jun 04 j 02:33	14°♉11'58	0°42'58
max. Earth dist.	-3443 Jun 05 j 09:38	15°♉01'31	2.67020 AU
	-3443 Jun 28 j 21:10	0°♊	
morning rise	-3443 Jul 19 j 19:44	13°♊23'02	
	-3443 Aug 14 j 16:38	0°♋	
	-3443 Sep 29 j 22:07	0°♌	
	-3443 Nov 14 j 14:09	0°♍	
	-3443 Dec 30 j 03:16	0°♎	
	-3442 Feb 14 j 16:25	0°♏	
desc. node	-3442 Mar 22 j 02:40	21°♏07'19	
	-3442 Apr 08 j 01:17	0°♐	
retrograde	-3442 May 29 j 22:57	14°♐47'07	
min. Earth dist.	-3442 Jun 26 j 11:59	10°♐17'34	0.38289 AU
opposition	-3442 Jun 30 j 09:31	9°♐12'56	-6°08'45
greatest brilliancy	-3442 Jun 29 j 12:53	9°♐27'16	-2.9m
direct	-3442 Jul 30 j 06:29	4°♐09'28	
	-3442 Oct 12 j 12:59	0°♑	
	-3442 Dec 02 j 02:15	0°♒	
	-3441 Jan 18 j 21:12	0°♓	
asc. node	-3441 Jan 30 j 06:30	7°♓11'14	
	-3441 Mar 07 j 11:23	0°♈	
	-3441 Apr 24 j 05:06	0°♉	
evening set	-3441 May 26 j 04:16	20°♉10'01	
	-3441 Jun 10 j 15:46	0°♊	
max. Earth dist.	-3441 Jun 28 j 23:24	11°♊43'24	2.65582 AU
conjunction	-3441 Jul 11 j 15:52	19°♊54'24	1°08'01
minimum elong	-3441 Jul 11 j 15:09	19°♊53'15	1°08'08
	-3441 Jul 27 j 04:05	0°♋	
morning rise	-3441 Aug 26 j 00:15	19°♋43'28	
	-3441 Sep 10 j 07:08	0°♌	
	-3441 Oct 23 j 21:39	0°♍	
	-3441 Dec 05 j 03:40	0°♎	
	-3440 Jan 15 j 09:48	0°♏	
desc. node	-3440 Feb 07 j 02:34	16°♏39'09	
	-3440 Feb 25 j 08:05	0°♐	
	-3440 Apr 07 j 06:26	0°♑	
	-3440 May 23 j 20:04	0°♒	
retrograde	-3440 Jul 28 j 11:38	22°♒54'27	
min. Earth dist.	-3440 Aug 26 j 18:14	17°♒01'01	0.49014 AU
opposition	-3440 Sep 03 j 16:31	14°♒08'31	-4°35'19
greatest brilliancy	-3440 Sep 02 j 12:17	14°♒34'14	-2.2m
direct	-3440 Oct 07 j 09:44	7°♒00'12	
asc. node	-3440 Dec 17 j 05:52	29°♒10'42	
	-3440 Dec 18 j 21:31	0°♓	
	-3439 Feb 11 j 19:27	0°♈	
	-3439 Apr 03 j 09:48	0°♉	
	-3439 May 22 j 01:24	0°♊	
evening set	-3439 Jul 02 j 14:34	26°♊34'12	
	-3439 Jul 07 j 20:32	0°♋	
max. Earth dist.	-3439 Jul 24 j 11:28	10°♋58'47	2.58900 AU
conjunction	-3439 Aug 19 j 02:51	28°♋17'48	1°05'43
minimum elong	-3439 Aug 19 j 03:52	28°♋19'32	1°05'49
	-3439 Aug 21 j 14:30	0°♌	
	-3439 Oct 03 j 07:16	0°♍	
morning rise	-3439 Oct 06 j 20:55	2°♍34'08	
	-3439 Nov 13 j 05:53	0°♎	
	-3439 Dec 22 j 22:18	0°♏	
desc. node	-3439 Dec 25 j 01:11	1°♏37'14	
	-3438 Jan 31 j 00:49	0°♐	
	-3438 Mar 11 j 10:32	0°♑	
	-3438 Apr 21 j 08:01	0°♒	
	-3438 Jun 04 j 19:32	0°♓	
	-3438 Jul 30 j 17:55	0°♈	
retrograde	-3438 Sep 09 j 00:04	9°♈10'56	
min. Earth dist.	-3438 Oct 13 j 14:18	1°♈16'10	0.60377 AU
	-3438 Oct 16 j 18:52	30°℞♓	
opposition	-3438 Oct 18 j 14:24	29°♓16'33	-0°41'33
greatest brilliancy	-3438 Oct 18 j 11:38	29°♓19'18	-1.7m
asc. node	-3438 Nov 04 j 06:54	23°♓25'32	
direct	-3438 Nov 25 j 01:17	20°♓32'47	
	-3437 Jan 07 j 17:22	0°♈	
	-3437 Mar 11 j 07:18	0°♉	
	-3437 May 02 j 03:44	0°♊	
	-3437 Jun 19 j 01:02	0°♋	
	-3437 Aug 02 j 22:56	0°♌	
evening set	-3437 Aug 13 j 22:14	7°♌36'45	
max. Earth dist.	-3437 Aug 29 j 03:48	18°♌21'51	2.47773 AU
	-3437 Sep 14 j 07:27	0°♍	
conjunction	-3437 Oct 05 j 08:45	15°♍30'18	0°25'28
minimum elong	-3437 Oct 05 j 10:11	15°♍32'58	0°25'29
	-3437 Oct 24 j 15:09	0°♎	
desc. node	-3437 Nov 11 j 23:29	14°♎02'03	
morning rise	-3437 Dec 02 j 16:05	0°♏03'43	
	-3437 Dec 02 j 14:10	0°♏	
	-3436 Jan 09 j 23:32	0°♐	
	-3436 Feb 17 j 16:04	0°♑	
	-3436 Mar 28 j 13:31	0°♒	
	-3436 May 09 j 16:14	0°♓	
	-3436 Jun 24 j 12:08	0°♈	
	-3436 Aug 17 j 22:15	0°♉	
asc. node	-3436 Sep 21 j 07:09	12°♉39'59	
retrograde	-3436 Oct 13 j 19:00	15°♉37'13	
min. Earth dist.	-3436 Nov 21 j 11:38	6°♉19'03	0.66511 AU
opposition	-3436 Nov 22 j 19:23	5°♉47'04	2°16'13

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

greatest brilliancy	-3436 Nov 22 j 15:40	5°♉50'49	-1.4m
	-3436 Dec 08 j 11:50	30°℞♈	
direct	-3435 Jan 01 j 17:53	26°♈10'43	
	-3435 Jan 28 j 08:53	0°♉	
	-3435 Apr 07 j 12:06	0°♊	
	-3435 May 28 j 16:19	0°♋	
	-3435 Jul 13 j 13:56	0°♌	
	-3435 Aug 25 j 02:10	0°♍	
desc. node	-3435 Sep 28 j 21:07	25°♍55'46	
evening set	-3435 Oct 04 j 18:35	0°♎25'28	
	-3435 Oct 04 j 05:16	0°♎	
	-3435 Nov 11 j 20:57	0°♏	
conjunction	-3435 Dec 06 j 03:12	19°♏05'41	-0°44'51
minimum elong	-3435 Dec 06 j 00:03	18°♏59'28	0°44'54
max. Earth dist.	-3435 Dec 10 j 22:37	22°♏53'05	2.37533 AU
	-3435 Dec 19 j 23:29	0°♐	
	-3434 Jan 27 j 10:50	0°♑	
morning rise	-3434 Feb 12 j 12:17	12°♑17'14	
	-3434 Mar 08 j 03:13	0°♒	
	-3434 Apr 18 j 18:15	0°♓	
	-3434 Jun 01 j 23:23	0°♈	
	-3434 Jul 19 j 17:16	0°♉	
asc. node	-3434 Aug 09 j 06:39	11°♉57'43	
	-3434 Sep 12 j 14:56	0°♊	
retrograde	-3434 Nov 17 j 17:50	19°♊14'40	
opposition	-3434 Dec 27 j 00:43	9°♊57'43	4°14'31
greatest brilliancy	-3434 Dec 27 j 07:41	9°♊50'49	-1.3m
min. Earth dist.	-3434 Dec 29 j 12:27	8°♊58'30	0.66378 AU
	-3433 Feb 03 j 14:10	30°℞♉	
direct	-3433 Feb 06 j 03:50	29°♉57'29	
	-3433 Feb 08 j 18:12	0°♊	
	-3433 May 03 j 17:53	0°♋	
	-3433 Jun 22 j 04:32	0°♌	
	-3433 Aug 04 j 18:16	0°♍	
desc. node	-3433 Aug 16 j 18:33	8°♍43'27	
	-3433 Sep 14 j 04:42	0°♎	
	-3433 Oct 22 j 21:58	0°♏	
	-3433 Nov 30 j 01:29	0°♐	
evening set	-3433 Dec 11 j 07:21	8°♐48'34	
	-3432 Jan 07 j 15:21	0°♑	
conjunction	-3432 Feb 13 j 19:12	28°♑01'08	-1°03'25
minimum elong	-3432 Feb 13 j 20:58	28°♑04'24	1°03'32
	-3432 Feb 16 j 11:37	0°♒	
max. Earth dist.	-3432 Mar 28 j 18:44	29°♒42'01	2.48916 AU
	-3432 Mar 29 j 05:00	0°♓	
morning rise	-3432 Apr 14 j 07:17	11°♓10'22	
	-3432 May 12 j 03:21	0°♈	
asc. node	-3432 Jun 26 j 06:12	29°♈16'41	
	-3432 Jun 27 j 09:37	0°♉	
	-3432 Aug 15 j 09:06	0°♊	
	-3432 Oct 08 j 13:37	0°♋	
retrograde	-3432 Dec 25 j 21:15	24°♋51'29	
opposition	-3431 Feb 01 j 07:17	16°♋31'44	5°02'10
greatest brilliancy	-3431 Feb 02 j 08:35	16°♋07'39	-1.6m
min. Earth dist.	-3431 Feb 07 j 12:40	14°♋09'46	0.59837 AU
direct	-3431 Mar 14 j 00:25	6°♋44'02	
	-3431 May 23 j 17:16	0°♌	
desc. node	-3431 Jul 03 j 18:33	25°♌00'16	
	-3431 Jul 11 j 05:14	0°♍	
	-3431 Aug 22 j 06:12	0°♎	
	-3431 Sep 30 j 17:35	0°♏	
	-3431 Nov 08 j 09:38	0°♐	
	-3431 Dec 17 j 11:22	0°♑	
	-3430 Jan 26 j 19:54	0°♒	
evening set	-3430 Feb 11 j 16:33	11°♒26'37	
	-3430 Mar 10 j 00:34	0°♓	
conjunction	-3430 Apr 08 j 09:42	20°♓05'21	-0°20'35
minimum elong	-3430 Apr 08 j 10:42	20°♓07'03	0°20'37
	-3430 Apr 23 j 05:16	0°♈	
max. Earth dist.	-3430 May 02 j 04:25	5°♈56'03	2.60016 AU
asc. node	-3430 May 14 j 03:36	13°♈47'05	
morning rise	-3430 May 29 j 17:39	23°♈54'24	
	-3430 Jun 08 j 04:52	0°♉	
	-3430 Jul 25 j 14:30	0°♊	
	-3430 Sep 12 j 09:17	0°♋	
	-3430 Nov 02 j 18:46	0°♌	
	-3429 Jan 03 j 17:18	0°♍	
retrograde	-3429 Feb 14 j 18:26	8°♍54'13	
opposition	-3429 Mar 20 j 21:08	2°♍10'33	3°24'31
greatest brilliancy	-3429 Mar 22 j 00:53	1°♍47'05	-2.2m
	-3429 Mar 27 j 07:44	30°℞♌	
min. Earth dist.	-3429 Mar 29 j 09:31	29°♌19'00	0.47863 AU
direct	-3429 Apr 27 j 07:44	23°♌56'48	
desc. node	-3429 May 21 j 18:44	27°♌45'15	
	-3429 May 28 j 14:58	0°♍	
	-3429 Jul 24 j 03:22	0°♎	
	-3429 Sep 05 j 10:51	0°♏	
	-3429 Oct 16 j 04:04	0°♐	
	-3429 Nov 25 j 17:44	0°♑	
	-3428 Jan 06 j 07:56	0°♒	
	-3428 Feb 18 j 12:53	0°♓	
evening set	-3428 Mar 31 j 12:37	28°♓04'21	
asc. node	-3428 Mar 31 j 00:42	27°♓44'46	
	-3428 Apr 03 j 10:59	0°♈	
	-3428 May 19 j 17:42	0°♉	
conjunction	-3428 May 20 j 03:51	0°♉16'16	0°27'42
minimum elong	-3428 May 20 j 02:51	0°♉14'40	0°27'45
max. Earth dist.	-3428 May 27 j 04:29	4°♉46'27	2.66107 AU
morning rise	-3428 Jul 05 j 18:09	0°♊00'52	
	-3428 Jul 05 j 17:36	0°♊	
	-3428 Aug 21 j 20:26	0°♋	
	-3428 Oct 07 j 20:29	0°♌	
	-3428 Nov 24 j 01:53	0°♍	
	-3427 Jan 11 j 18:39	0°♎	
	-3427 Mar 08 j 05:17	0°♏	
desc. node	-3427 Apr 07 j 18:27	11°♏02'50	
retrograde	-3427 Apr 28 j 18:52	13°♏42'53	
opposition	-3427 May 29 j 05:23	8°♏40'59	-3°40'39
greatest brilliancy	-3427 May 29 j 07:36	8°♏39'30	-2.9m
min. Earth dist.	-3427 May 30 j 15:04	8°♏18'32	0.37865 AU
direct	-3427 Jun 28 j 18:13	3°♏30'06	
	-3427 Sep 10 j 06:40	0°♐	
	-3427 Oct 28 j 10:24	0°♑	
	-3427 Dec 12 j 23:29	0°♒	
	-3426 Jan 27 j 15:23	0°♓	
asc. node	-3426 Feb 15 j 22:48	12°♓31'51	
	-3426 Mar 15 j 02:54	0°♈	
	-3426 May 01 j 06:27	0°♉	
evening set	-3426 May 11 j 06:19	6°♉20'23	
	-3426 Jun 17 j 11:24	0°♊	
max. Earth dist.	-3426 Jun 19 j 17:38	1°♊26'34	2.66782 AU
conjunction	-3426 Jun 27 j 03:02	6°♊10'10	1°01'02
minimum elong	-3426 Jun 27 j 01:55	6°♊08'23	1°01'09
	-3426 Aug 03 j 01:06	0°♋	
morning rise	-3426 Aug 11 j 05:47	5°♋21'02	
	-3426 Sep 17 j 12:01	0°♌	
	-3426 Oct 31 j 17:14	0°♍	
	-3426 Dec 13 j 20:36	0°♎	
	-3425 Jan 25 j 07:27	0°♏	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

desc. node	-3425 Feb 23 j 19:02	20°♏49'25		
	-3425 Mar 08 j 22:43	0°♐		
	-3425 Apr 23 j 06:26	0°♑		
retrograde	-3425 Jul 08 j 22:13	29°♑43'03		
min. Earth dist.	-3425 Aug 05 j 05:55	24°♑42'01	0.44041 AU	
greatest brilliancy	-3425 Aug 11 j 17:06	22°♑33'33	-2.5m	
opposition	-3425 Aug 13 j 05:47	22°♑02'56	-5°59'51	
direct	-3425 Sep 14 j 03:36	15°♑47'12		
	-3425 Nov 06 j 06:36	0°♒		
	-3424 Jan 02 j 05:43	0°♓		
asc. node	-3424 Jan 03 j 21:44	0°♓57'35		
	-3424 Feb 21 j 22:06	0°♈		
	-3424 Apr 11 j 01:18	0°♉		
	-3424 May 29 j 02:32	0°♊		
evening set	-3424 Jun 17 j 11:50	12°♊20'47		
max. Earth dist.	-3424 Jul 13 j 16:32	29°♊18'55	2.62111 AU	
	-3424 Jul 14 j 17:37	0°♋		
conjunction	-3424 Aug 03 j 05:42	12°♋53'33	1°10'30	
minimum elong	-3424 Aug 03 j 05:59	12°♋54'02	1°10'37	
	-3424 Aug 28 j 13:57	0°♌		
morning rise	-3424 Sep 19 j 02:20	14°♌51'28		
	-3424 Oct 10 j 13:46	0°♍		
	-3424 Nov 20 j 22:19	0°♎		
	-3424 Dec 31 j 02:06	0°♏		
desc. node	-3423 Jan 10 j 18:46	8°♏05'14		
	-3423 Feb 08 j 16:20	0°♐		
	-3423 Mar 20 j 15:43	0°♑		
	-3423 May 01 j 12:46	0°♒		
	-3423 Jun 17 j 23:41	0°♓		
retrograde	-3423 Aug 24 j 17:27	23°♓06'24		
min. Earth dist.	-3423 Sep 26 j 09:09	15°♓53'58	0.56427 AU	
opposition	-3423 Oct 02 j 17:21	13°♓25'24	-2°07'14	
greatest brilliancy	-3423 Oct 02 j 06:30	13°♓36'00	-1.8m	
direct	-3423 Nov 07 j 20:27	5°♓12'33		
asc. node	-3423 Nov 20 j 21:29	6°♓14'17		
	-3422 Jan 24 j 12:00	0°♈		
	-3422 Mar 20 j 15:43	0°♉		
	-3422 May 09 j 20:32	0°♊		
	-3422 Jun 26 j 04:49	0°♋		
evening set	-3422 Jul 27 j 15:41	20°♋53'27		
	-3422 Aug 09 j 23:54	0°♌		
max. Earth dist.	-3422 Aug 13 j 07:11	2°♌16'44	2.52531 AU	
conjunction	-3422 Sep 15 j 13:44	25°♌45'20	0°46'08	
minimum elong	-3422 Sep 15 j 15:30	25°♌48'31	0°46'12	
	-3422 Sep 21 j 10:46	0°♍		
	-3422 Oct 31 j 23:19	0°♎		
morning rise	-3422 Nov 08 j 06:07	5°♎30'46		
desc. node	-3422 Nov 28 j 16:25	21°♎08'13		
	-3422 Dec 10 j 04:03	0°♏		
	-3421 Jan 17 j 18:42	0°♐		
	-3421 Feb 25 j 15:49	0°♑		
	-3421 Apr 06 j 18:48	0°♒		
	-3421 May 19 j 09:18	0°♓		
	-3421 Jul 05 j 20:23	0°♈		
	-3421 Sep 11 j 22:44	0°♉		
retrograde	-3421 Oct 01 j 06:13	2°♉15'57		
asc. node	-3421 Oct 08 j 22:04	1°♉51'49		
	-3421 Oct 19 j 08:49	30°℞♈		
min. Earth dist.	-3421 Nov 07 j 11:18	23°♈27'06	0.64838 AU	
opposition	-3421 Nov 10 j 06:30	22°♈19'25	1°14'39	
greatest brilliancy	-3421 Nov 10 j 02:48	22°♈23'09	-1.5m	
direct	-3421 Dec 19 j 09:31	12°♈59'53		
	-3420 Feb 19 j 15:16	0°♉		
	-3420 Apr 17 j 04:16	0°♊		
	-3420 Jun 05 j 15:09	0°♋		
	-3420 Jul 21 j 00:37	0°♌		
	-3420 Sep 01 j 10:11	0°♍		
evening set	-3420 Sep 12 j 09:17	8°♍02'53		
max. Earth dist.	-3420 Oct 05 j 12:19	25°♍22'37	2.40238 AU	
	-3420 Oct 11 j 14:08	0°♎		
desc. node	-3420 Oct 15 j 14:47	3°♎04'42		
conjunction	-3420 Nov 09 j 13:32	22°♎22'21	-0°17'33	
minimum elong	-3420 Nov 09 j 12:10	22°♎19'40	0°17'34	
	-3420 Nov 19 j 07:49	0°♏		
	-3420 Dec 27 j 12:01	0°♐		
morning rise	-3419 Jan 14 j 17:03	14°♐15'35		
	-3419 Feb 04 j 00:12	0°♑		
	-3419 Mar 15 j 17:02	0°♒		
	-3419 Apr 26 j 09:47	0°♓		
	-3419 Jun 09 j 23:18	0°♈		
	-3419 Jul 29 j 01:17	0°♉		
asc. node	-3419 Aug 25 j 21:48	14°♉56'41		
	-3419 Sep 30 j 07:14	0°♊		
retrograde	-3419 Nov 03 j 23:18	6°♊23'26		
	-3419 Dec 05 j 14:02	30°℞♉		
opposition	-3419 Dec 13 j 16:04	26°♉50'49	3°35'43	
greatest brilliancy	-3419 Dec 13 j 17:20	26°♉49'32	-1.3m	
min. Earth dist.	-3419 Dec 14 j 15:31	26°♉27'22	0.67212 AU	
direct	-3418 Jan 23 j 11:54	16°♉56'39		
	-3418 Mar 17 j 06:35	0°♊		
	-3418 May 14 j 03:46	0°♋		
	-3418 Jun 30 j 16:06	0°♌		
	-3418 Aug 12 j 16:32	0°♍		
desc. node	-3418 Sep 02 j 13:16	15°♍20'58		
	-3418 Sep 21 j 22:33	0°♎		
	-3418 Oct 30 j 14:06	0°♏		
evening set	-3418 Nov 13 j 19:43	11°♏12'16		
	-3418 Dec 07 j 16:02	0°♐		
	-3417 Jan 15 j 03:32	0°♑		
conjunction	-3417 Jan 18 j 18:52	2°♑47'45	-1°07'03	
minimum elong	-3417 Jan 18 j 18:18	2°♑46'40	1°07'10	
	-3417 Feb 23 j 20:52	0°♒		
max. Earth dist.	-3417 Mar 09 j 02:14	9°♒42'08	2.43655 AU	
morning rise	-3417 Mar 24 j 17:26	20°♒58'06		
	-3417 Apr 06 j 11:33	0°♓		
	-3417 May 20 j 09:58	0°♈		
	-3417 Jul 06 j 00:13	0°♉		
asc. node	-3417 Jul 13 j 20:26	4°♉51'29		
	-3417 Aug 25 j 07:16	0°♊		
	-3417 Oct 24 j 20:50	0°♋		
retrograde	-3417 Dec 10 j 19:41	10°♋39'17		
opposition	-3416 Jan 18 j 02:59	1°♋53'43	4°54'22	
greatest brilliancy	-3416 Jan 18 j 20:59	1°♋36'14	-1.5m	
min. Earth dist.	-3416 Jan 22 j 22:02	0°♋02'02	0.63148 AU	
	-3416 Jan 23 j 00:08	30°℞♊		
direct	-3416 Feb 28 j 05:34	21°♊55'17		
	-3416 Apr 07 j 05:49	0°♋		
	-3416 Jun 05 j 05:46	0°♌		
desc. node	-3416 Jul 20 j 11:26	29°♌45'06		
	-3416 Jul 20 j 19:57	0°♍		
	-3416 Aug 30 j 23:44	0°♎		
	-3416 Oct 09 j 01:20	0°♏		
	-3416 Nov 16 j 10:31	0°♐		
	-3416 Dec 25 j 05:45	0°♑		
evening set	-3415 Jan 19 j 19:20	19°♑16'43		
	-3415 Feb 03 j 07:44	0°♒		
	-3415 Mar 17 j 06:09	0°♓		
conjunction	-3415 Mar 20 j 00:04	1°♓54'51	-0°40'01	
minimum elong	-3415 Mar 20 j 02:01	1°♓58'15	0°40'03	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

max. Earth dist.	-3415 Apr 20 j 15:18	23°♓33'09	2.56174 AU
	-3415 Apr 30 j 06:31	0°♈	
morning rise	-3415 May 13 j 08:55	8°♈40'24	
asc. node	-3415 May 30 j 19:24	20°♈03'18	
	-3415 Jun 15 j 06:08	0°♉	
	-3415 Aug 02 j 01:13	0°♊	
	-3415 Sep 21 j 03:01	0°♋	
	-3415 Nov 15 j 22:34	0°♌	
retrograde	-3414 Jan 23 j 20:37	20°♌19'51	
opposition	-3414 Feb 28 j 11:03	12°♌52'33	4°30'02
greatest brilliancy	-3414 Mar 01 j 18:57	12°♌23'49	-2.0m
min. Earth dist.	-3414 Mar 08 j 11:57	9°♌59'39	0.52987 AU
direct	-3414 Apr 08 j 15:36	3°♌47'26	
desc. node	-3414 Jun 07 j 10:39	22°♌21'15	
	-3414 Jun 21 j 03:13	0°♍	
	-3414 Aug 06 j 00:16	0°♎	
	-3414 Sep 15 j 23:37	0°♏	
	-3414 Oct 25 j 13:10	0°♐	
	-3414 Dec 04 j 07:38	0°♑	
	-3413 Jan 14 j 06:43	0°♒	
	-3413 Feb 25 j 23:32	0°♓	
evening set	-3413 Mar 14 j 20:07	11°♓29'28	
	-3413 Apr 11 j 12:52	0°♈	
asc. node	-3413 Apr 17 j 17:21	4°♈04'45	
conjunction	-3413 May 05 j 09:56	15°♈38'42	0°10'08
minimum elong	-3413 May 05 j 09:30	15°♈38'00	0°10'09
behind sun begin	-3413 May 04 j 17:30	15°♈12'01	
behind sun end	-3413 May 06 j 01:30	16°♈03'59	
max. Earth dist.	-3413 May 18 j 12:35	24°♈08'18	2.64354 AU
	-3413 May 27 j 14:59	0°♉	
morning rise	-3413 Jun 22 j 10:35	16°♉30'39	
	-3413 Jul 13 j 16:27	0°♊	
	-3413 Aug 30 j 06:11	0°♋	
	-3413 Oct 17 j 09:25	0°♌	
	-3413 Dec 06 j 05:00	0°♍	
	-3412 Jan 31 j 16:01	0°♎	
retrograde	-3412 Mar 28 j 04:52	15°♎15'58	
desc. node	-3412 Apr 24 j 11:15	10°♎57'53	
opposition	-3412 Apr 28 j 12:19	9°♎48'46	-0°16'55
greatest brilliancy	-3412 Apr 28 j 13:50	9°♎47'40	-2.8m
min. Earth dist.	-3412 May 04 j 13:49	8°♎03'23	0.40432 AU
direct	-3412 May 31 j 19:59	3°♎33'12	
	-3412 Aug 11 j 15:31	0°♏	
	-3412 Sep 26 j 20:32	0°♐	
	-3412 Nov 09 j 02:31	0°♑	
	-3412 Dec 22 j 10:01	0°♒	
	-3411 Feb 04 j 19:16	0°♓	
asc. node	-3411 Mar 04 j 14:22	18°♓20'24	
	-3411 Mar 22 j 12:20	0°♈	
evening set	-3411 Apr 25 j 23:31	22°♈10'26	
	-3411 May 08 j 05:32	0°♉	
max. Earth dist.	-3411 Jun 10 j 17:33	21°♉21'00	2.67161 AU
conjunction	-3411 Jun 12 j 14:15	22°♉32'13	0°50'29
minimum elong	-3411 Jun 12 j 12:58	22°♉30'10	0°50'34
	-3411 Jun 24 j 06:58	0°♊	
morning rise	-3411 Jul 27 j 22:32	21°♊34'16	
	-3411 Aug 09 j 23:52	0°♋	
	-3411 Sep 24 j 21:39	0°♌	
	-3411 Nov 08 j 23:09	0°♍	
	-3411 Dec 23 j 10:30	0°♎	
	-3410 Feb 05 j 23:22	0°♏	
desc. node	-3410 Mar 12 j 11:23	22°♏31'01	
	-3410 Mar 24 j 12:36	0°♐	
	-3410 May 27 j 08:02	0°♑	
retrograde	-3410 Jun 14 j 13:24	2°♑14'42	
	-3410 Jul 02 j 22:00	30°℞♐	
min. Earth dist.	-3410 Jul 11 j 07:43	27°♐46'27	0.39821 AU
greatest brilliancy	-3410 Jul 16 j 01:54	26°♐22'20	-2.7m
opposition	-3410 Jul 17 j 09:52	25°♐58'40	-6°35'09
direct	-3410 Aug 16 j 16:15	20°♐35'25	
	-3410 Sep 26 j 21:09	0°♑	
	-3410 Nov 24 j 02:34	0°♒	
	-3409 Jan 12 j 19:57	0°♓	
asc. node	-3409 Jan 20 j 13:00	4°♓45'17	
	-3409 Mar 02 j 06:18	0°♈	
	-3409 Apr 19 j 09:50	0°♉	
evening set	-3409 Jun 03 j 15:15	28°♉28'06	
	-3409 Jun 06 j 01:06	0°♊	
max. Earth dist.	-3409 Jul 04 j 13:17	18°♊15'56	2.64569 AU
conjunction	-3409 Jul 20 j 02:13	28°♊21'36	1°10'14
minimum elong	-3409 Jul 20 j 01:50	28°♊20'59	1°10'21
	-3409 Jul 22 j 14:25	0°♋	
morning rise	-3409 Sep 03 j 19:26	28°♋46'12	
	-3409 Sep 05 j 14:57	0°♌	
	-3409 Oct 18 j 23:55	0°♍	
	-3409 Nov 29 j 21:13	0°♎	
	-3408 Jan 09 j 16:18	0°♏	
desc. node	-3408 Jan 28 j 11:37	13°♏59'14	
	-3408 Feb 19 j 00:05	0°♐	
	-3408 Mar 30 j 23:14	0°♑	
	-3408 May 13 j 22:18	0°♒	
	-3408 Jul 11 j 06:59	0°♓	
retrograde	-3408 Aug 07 j 22:55	4°♓55'27	
	-3408 Sep 03 j 08:26	30°℞♒	
min. Earth dist.	-3408 Sep 07 j 11:46	28°♒31'41	0.51799 AU
opposition	-3408 Sep 14 j 22:46	25°♒43'36	-3°40'50
greatest brilliancy	-3408 Sep 14 j 01:04	26°♒04'03	-2.1m
direct	-3408 Oct 19 j 13:31	18°♒09'33	
asc. node	-3408 Dec 07 j 12:42	0°♓05'09	
	-3408 Dec 07 j 07:43	0°♓	
	-3407 Feb 05 j 06:47	0°♈	
	-3407 Mar 29 j 02:36	0°♉	
	-3407 May 17 j 05:46	0°♊	
	-3407 Jul 03 j 05:34	0°♋	
evening set	-3407 Jul 11 j 11:06	5°♋24'18	
max. Earth dist.	-3407 Jul 31 j 05:38	18°♋35'03	2.56837 AU
	-3407 Aug 17 j 00:15	0°♌	
conjunction	-3407 Aug 28 j 15:09	8°♌02'03	1°00'22
minimum elong	-3407 Aug 28 j 16:32	8°♌04'28	1°00'27
	-3407 Sep 28 j 15:24	0°♍	
morning rise	-3407 Oct 17 j 19:45	13°♍57'32	
	-3407 Nov 08 j 10:29	0°♎	
desc. node	-3407 Dec 15 j 11:25	28°♎06'45	
	-3407 Dec 17 j 22:27	0°♏	
	-3406 Jan 25 j 19:55	0°♐	
	-3406 Mar 05 j 23:31	0°♑	
	-3406 Apr 15 j 11:34	0°♒	
	-3406 May 28 j 23:32	0°♓	
	-3406 Jul 18 j 22:47	0°♈	
retrograde	-3406 Sep 17 j 07:53	18°♈11'50	
min. Earth dist.	-3406 Oct 22 j 21:35	9°♈56'33	0.62225 AU
asc. node	-3406 Oct 25 j 12:19	8°♈53'44	
opposition	-3406 Oct 27 j 03:34	8°♈14'22	0°03'59
greatest brilliancy	-3406 Oct 27 j 03:21	8°♈14'35	-1.6m
	-3406 Nov 23 j 17:22	30°℞♓	
direct	-3406 Dec 04 j 06:12	29°♓16'18	
	-3406 Dec 15 j 07:55	0°♈	
	-3405 Mar 04 j 09:53	0°♉	
	-3405 Apr 26 j 18:46	0°♊	
	-3405 Jun 14 j 04:10	0°♋	

Attention, astronomical year style is used: The year -3900 in astronomical counting style is the year 3901 BCE in historical counting style.

	-3405 Jul 29 j 06:15	0°♌	
evening set	-3405 Aug 24 j 09:50	18°♌18'13	
max. Earth dist.	-3405 Sep 09 j 08:34	29°♌47'06	2.45041 AU
	-3405 Sep 09 j 15:39	0°♍	
conjunction	-3405 Oct 17 j 14:47	28°♍14'28	0°11'00
minimum elong	-3405 Oct 17 j 15:30	28°♍15'50	0°11'00
behind sun begin	-3405 Oct 16 j 21:15	27°♍41'14	
behind sun end	-3405 Oct 18 j 09:45	28°♍50'27	
	-3405 Oct 19 j 22:21	0°♎	
desc. node	-3405 Nov 02 j 08:51	10°♎16'27	
	-3405 Nov 27 j 19:41	0°♏	
morning rise	-3405 Dec 17 j 19:41	15°♏38'59	
	-3404 Jan 05 j 03:04	0°♐	
	-3404 Feb 12 j 17:21	0°♑	
	-3404 Mar 23 j 11:57	0°♒	
	-3404 May 04 j 08:50	0°♓	
	-3404 Jun 18 j 12:54	0°♈	
	-3404 Aug 09 j 02:22	0°♉	
asc. node	-3404 Sep 11 j 12:28	15°♉09'43	
retrograde	-3404 Oct 21 j 12:20	23°♉33'26	
opposition	-3404 Nov 30 j 11:06	13°♉48'25	2°48'05
greatest brilliancy	-3404 Nov 30 j 08:28	13°♉51'03	-1.3m
min. Earth dist.	-3404 Nov 29 j 22:29	14°♉01'06	0.67031 AU
direct	-3403 Jan 09 j 18:39	4°♉04'37	
	-3403 Mar 31 j 07:10	0°♊	
	-3403 May 23 j 04:26	0°♋	
	-3403 Jul 08 j 14:11	0°♌	
	-3403 Aug 20 j 06:47	0°♍	
desc. node	-3403 Sep 19 j 06:19	22°♍14'58	
	-3403 Sep 29 j 10:56	0°♎	
evening set	-3403 Oct 18 j 13:45	14°♎44'11	
	-3403 Nov 07 j 02:34	0°♏	
	-3403 Dec 15 j 04:40	0°♐	
conjunction	-3403 Dec 21 j 21:02	5°♐15'16	-0°56'44
minimum elong	-3403 Dec 21 j 18:03	5°♐09'25	0°56'50
	-3402 Jan 22 j 15:31	0°♑	
max. Earth dist.	-3402 Jan 30 j 13:57	6°♑05'38	2.38840 AU
morning rise	-3402 Feb 27 j 21:17	27°♑27'34	
	-3402 Mar 03 j 07:29	0°♒	
	-3402 Apr 13 j 21:12	0°♓	
	-3402 May 27 j 22:01	0°♈	
	-3402 Jul 14 j 01:55	0°♉	
asc. node	-3402 Jul 30 j 12:58	9°♉52'04	
	-3402 Sep 04 j 15:06	0°♊	
retrograde	-3402 Nov 25 j 21:59	27°♊12'12	
opposition	-3401 Jan 03 j 21:38	18°♊05'16	4°32'21
greatest brilliancy	-3401 Jan 04 j 08:17	17°♊54'46	-1.4m
min. Earth dist.	-3401 Jan 07 j 04:46	16°♊47'17	0.65507 AU
direct	-3401 Feb 14 j 02:21	8°♊03'59	
	-3401 Apr 25 j 19:42	0°♋	
	-3401 Jun 16 j 08:32	0°♌	
	-3401 Jul 30 j 12:39	0°♍	
desc. node	-3401 Aug 07 j 04:50	5°♍30'50	
	-3401 Sep 09 j 04:28	0°♎	
	-3401 Oct 18 j 00:14	0°♏	
	-3401 Nov 25 j 05:07	0°♐	
evening set	-3401 Dec 26 j 11:24	24°♐20'35	
	-3400 Jan 02 j 19:55	0°♑	
	-3400 Feb 11 j 17:11	0°♒	
conjunction	-3400 Feb 27 j 06:58	11°♒21'54	-0°56'38
minimum elong	-3400 Feb 27 j 09:13	11°♒25'59	0°56'43
	-3400 Mar 24 j 11:16	0°♓	
max. Earth dist.	-3400 Apr 07 j 02:25	9°♓28'31	2.51668 AU
morning rise	-3400 Apr 25 j 10:19	21°♓59'01	
	-3400 May 07 j 09:07	0°♈	
asc. node	-3400 Jun 16 j 11:36	26°♈10'48	
	-3400 Jun 22 j 11:21	0°♉	
	-3400 Aug 09 j 21:22	0°♊	
	-3400 Oct 01 j 01:28	0°♋	
	-3400 Dec 08 j 16:17	0°♌	
retrograde	-3399 Jan 04 j 19:26	3°♌58'12	
	-3399 Jan 29 j 21:03	30°℞♋	
opposition	-3399 Feb 10 j 15:37	25°♋55'10	4°57'40
greatest brilliancy	-3399 Feb 11 j 20:12	25°♋28'21	-1.7m
min. Earth dist.	-3399 Feb 17 j 14:02	23°♋19'35	0.57614 AU
direct	-3399 Mar 22 j 22:51	16°♋18'37	
	-3399 May 13 j 02:57	0°♌	
desc. node	-3399 Jun 24 j 03:52	23°♌23'58	
	-3399 Jul 04 j 10:27	0°♍	
	-3399 Aug 16 j 09:54	0°♎	
	-3399 Sep 25 j 07:12	0°♏	
	-3399 Nov 03 j 05:16	0°♐	
	-3399 Dec 12 j 11:20	0°♑	