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

	-3900 Mar 08 j 21:30	15°♏	
retrograde	-3900 Mar 26 j 00:51	15°♏14'19	
	-3900 Apr 12 j 05:25	15℞♏	
opposition	-3900 Jun 04 j 22:36	11°♏52'50	1°00'32
min. Earth dist.	-3900 Jun 05 j 09:49	11°♏50'44	8.83799 AU
direct	-3900 Aug 13 j 08:00	8°♏34'11	
	-3900 Nov 14 j 19:24	15°♏	
evening set	-3900 Nov 20 j 20:49	15°♏42'47	
conjunction	-3900 Dec 07 j 14:30	17°♏43'59	0°35'14
minimum elong	-3900 Dec 07 j 14:31	17°♏43'59	0°35'08
max. Earth dist.	-3900 Dec 07 j 01:05	17°♏39'55	10.77168 AU
morning rise	-3900 Dec 24 j 11:47	19°♏46'21	
retrograde	-3899 Apr 08 j 00:25	27°♏16'58	
opposition	-3899 Jun 17 j 16:52	23°♏53'50	0°24'34
min. Earth dist.	-3899 Jun 18 j 03:30	23°♏51'49	8.70067 AU
direct	-3899 Aug 25 j 10:27	20°♏34'22	
evening set	-3899 Dec 03 j 00:43	27°♏50'30	
conjunction	-3899 Dec 19 j 21:51	29°♏54'33	0°04'58
minimum elong	-3899 Dec 19 j 21:52	29°♏54'33	0°04'51
behind sun begin	-3899 Dec 19 j 14:58	29°♏52'27	
behind sun end	-3899 Dec 20 j 04:45	29°♏56'40	
max. Earth dist.	-3899 Dec 19 j 09:05	29°♏50'38	10.62888 AU
	-3899 Dec 20 j 15:32	0°♐	
morning rise	-3898 Jan 05 j 23:29	2°♐00'01	
desc. node	-3898 Feb 17 j 05:56	6°♐35'46	
retrograde	-3898 Apr 21 j 09:37	9°♐42'15	
opposition	-3898 Jun 30 j 18:26	6°♐17'24	-0°13'44
min. Earth dist.	-3898 Jul 01 j 04:13	6°♐15'31	8.55309 AU
direct	-3898 Sep 06 j 21:48	2°♐56'53	
evening set	-3898 Dec 15 j 15:48	10°♐22'04	
conjunction	-3897 Jan 01 j 16:48	12°♐29'15	-0°26'33
minimum elong	-3897 Jan 01 j 16:47	12°♐29'15	0°26'42
max. Earth dist.	-3897 Jan 01 j 05:57	12°♐25'51	10.47835 AU
morning rise	-3897 Jan 18 j 22:44	14°♐38'02	
retrograde	-3897 May 05 j 05:57	22°♐32'37	
opposition	-3897 Jul 14 j 04:07	19°♐06'04	-0°52'44
min. Earth dist.	-3897 Jul 14 j 12:01	19°♐04'32	8.40141 AU
direct	-3897 Sep 19 j 16:31	15°♐44'21	
evening set	-3897 Dec 28 j 19:31	23°♐19'52	
conjunction	-3896 Jan 15 j 00:32	25°♐30'18	-0°57'35
minimum elong	-3896 Jan 15 j 00:29	25°♐30'18	0°57'45
max. Earth dist.	-3896 Jan 14 j 16:56	25°♐27'53	10.32726 AU
morning rise	-3896 Feb 01 j 10:36	27°♐42'27	
	-3896 Feb 20 j 11:07	0°♑	
retrograde	-3896 May 18 j 12:23	5°♑49'31	
opposition	-3896 Jul 26 j 22:04	2°♑21'20	-1°30'25
min. Earth dist.	-3896 Jul 27 j 02:48	2°♑20'24	8.25383 AU
	-3896 Aug 28 j 16:28	30℞♐	
direct	-3896 Oct 01 j 20:45	28°♐58'16	
	-3896 Nov 04 j 08:47	0°♑	
evening set	-3895 Jan 10 j 13:03	6°♑44'54	
conjunction	-3895 Jan 27 j 22:02	8°♑58'35	-1°26'27
minimum elong	-3895 Jan 27 j 21:59	8°♑58'34	1°26'37
max. Earth dist.	-3895 Jan 27 j 17:49	8°♑57'13	10.18451 AU
morning rise	-3895 Feb 14 j 12:07	11°♑13'58	
retrograde	-3895 Jun 02 j 03:58	19°♑32'36	
opposition	-3895 Aug 09 j 23:45	16°♑02'59	-2°04'21
min. Earth dist.	-3895 Aug 10 j 01:09	16°♑02'42	8.11935 AU
direct	-3895 Oct 15 j 10:42	12°♑38'26	
evening set	-3894 Jan 24 j 20:18	20°♑36'17	
conjunction	-3894 Feb 11 j 09:09	22°♑53'00	-1°51'10
minimum elong	-3894 Feb 11 j 09:05	22°♑52'58	1°51'20
max. Earth dist.	-3894 Feb 11 j 08:27	22°♑52'46	10.05903 AU
morning rise	-3894 Mar 01 j 02:58	25°♑11'20	
	-3894 Apr 11 j 08:42	0°♒	
retrograde	-3894 Jun 17 j 03:04	3°♒39'36	
opposition	-3894 Aug 24 j 08:20	0°♒08'51	-2°31'55
min. Earth dist.	-3894 Aug 24 j 06:41	0°♒09'11	8.00644 AU
	-3894 Aug 26 j 03:30	30℞♑	
direct	-3894 Oct 29 j 09:27	26°♑42'48	
	-3894 Dec 29 j 06:23	0°♒	
evening set	-3893 Feb 08 j 16:02	4°♒51'07	
conjunction	-3893 Feb 26 j 08:34	7°♒10'26	-2°09'45
minimum elong	-3893 Feb 26 j 08:31	7°♒10'25	2°09'54
max. Earth dist.	-3893 Feb 26 j 11:37	7°♒11'27	9.95905 AU
morning rise	-3893 Mar 16 j 05:41	9°♒31'14	
	-3893 May 02 j 17:22	15°♒	
retrograde	-3893 Jul 02 j 06:55	18°♒06'12	
	-3893 Sep 02 j 20:00	15℞♒	
opposition	-3893 Sep 07 j 22:07	14°♒34'44	-2°50'41
min. Earth dist.	-3893 Sep 07 j 17:42	14°♒35'39	7.92261 AU
direct	-3893 Nov 12 j 17:57	11°♒07'15	
	-3892 Jan 18 j 06:03	15°♒	
evening set	-3892 Feb 23 j 22:08	19°♒24'20	
conjunction	-3892 Mar 12 j 18:14	21°♒45'42	-2°20'27
minimum elong	-3892 Mar 12 j 18:14	21°♒45'42	2°20'35
max. Earth dist.	-3892 Mar 13 j 01:05	21°♒47'59	9.89153 AU
morning rise	-3892 Mar 30 j 18:11	24°♒08'18	
	-3892 May 20 j 22:25	0°♓	
retrograde	-3892 Jul 16 j 11:49	2°♓46'10	
	-3892 Sep 12 j 11:05	30℞♒	
opposition	-3892 Sep 21 j 14:56	29°♒14'24	-2°58'41
min. Earth dist.	-3892 Sep 21 j 08:08	29°♒15'50	7.87364 AU
direct	-3892 Nov 26 j 10:22	25°♒45'41	
	-3891 Feb 04 j 07:55	0°♓	
evening set	-3891 Mar 10 j 11:24	4°♓08'56	
conjunction	-3891 Mar 28 j 10:48	6°♓31'40	-2°22'10
minimum elong	-3891 Mar 28 j 10:49	6°♓31'40	2°22'15
max. Earth dist.	-3891 Mar 28 j 21:16	6°♓35'09	9.86118 AU
morning rise	-3891 Apr 15 j 12:56	8°♓55'14	
retrograde	-3891 Jul 31 j 14:36	17°♓31'46	
opposition	-3891 Oct 06 j 08:22	14°♓00'12	-2°54'57
min. Earth dist.	-3891 Oct 05 j 23:16	14°♓02'07	7.86279 AU
direct	-3891 Dec 11 j 08:21	10°♓30'30	
evening set	-3890 Mar 26 j 03:54	18°♓56'44	
conjunction	-3890 Apr 13 j 05:59	21°♓19'58	-2°14'34
minimum elong	-3890 Apr 13 j 06:02	21°♓19'59	2°14'36
max. Earth dist.	-3890 Apr 13 j 19:33	21°♓24'29	9.86996 AU
morning rise	-3890 May 01 j 09:24	23°♓43'35	
	-3890 Jun 26 j 10:25	0°♈	
retrograde	-3890 Aug 15 j 11:55	2°♈14'38	
	-3890 Oct 05 j 11:58	30℞♓	
opposition	-3890 Oct 20 j 23:48	28°♓43'46	-2°39'41
min. Earth dist.	-3890 Oct 20 j 12:41	28°♓46'06	7.89060 AU
direct	-3890 Dec 26 j 08:26	25°♓13'27	
	-3889 Mar 11 j 20:32	0°♈	
evening set	-3889 Apr 10 j 19:23	3°♈39'11	
conjunction	-3889 Apr 28 j 23:15	6°♈02'01	-1°58'15
minimum elong	-3889 Apr 28 j 23:19	6°♈02'03	1°58'15
max. Earth dist.	-3889 Apr 29 j 15:02	6°♈07'14	9.91706 AU

Attention, astronomical year style is used: The year -3889 in astronomical counting style is the year 3890 BCE in historical counting style.

morning rise	-3889 May 17 j 02:55	8°♈24'45	
retrograde	-3889 Aug 30 j 01:36	16°♈46'50	
opposition	-3889 Nov 04 j 11:00	13°♈17'04	-2°14'16
min. Earth dist.	-3889 Nov 03 j 22:29	13°♈19'40	7.95494 AU
direct	-3888 Jan 10 j 06:49	9°♈46'29	
evening set	-3888 Apr 25 j 05:59	18°♈08'30	
conjunction	-3888 May 13 j 10:26	20°♈30'03	-1°34'40
minimum elong	-3888 May 13 j 10:30	20°♈30'04	1°34'37
max. Earth dist.	-3888 May 14 j 03:22	20°♈35'34	9.99883 AU
morning rise	-3888 May 31 j 13:11	22°♈51'00	
	-3888 Aug 10 j 00:10	0°♉	
retrograde	-3888 Sep 12 j 07:08	1°♉01'37	
	-3888 Oct 15 j 20:26	30°℞♈	
opposition	-3888 Nov 17 j 16:07	27°♈33'18	-1°40'58
min. Earth dist.	-3888 Nov 17 j 03:09	27°♈35'59	8.05109 AU
direct	-3887 Jan 24 j 01:48	24°♈02'52	
	-3887 Apr 21 j 11:35	0°♉	
evening set	-3887 May 10 j 08:44	2°♉18'30	
conjunction	-3887 May 28 j 12:15	4°♉37'55	-1°05'48
minimum elong	-3887 May 28 j 12:18	4°♉37'56	1°05'43
max. Earth dist.	-3887 May 29 j 05:06	4°♉43'21	10.10932 AU
morning rise	-3887 Jun 15 j 12:43	6°♉56'20	
retrograde	-3887 Sep 26 j 02:22	14°♉54'07	
opposition	-3887 Dec 01 j 13:52	11°♉27'32	-1°02'34
min. Earth dist.	-3887 Dec 01 j 01:40	11°♉30'02	8.17259 AU
direct	-3886 Feb 07 j 15:15	7°♉57'37	
	-3886 May 16 j 05:20	15°♉	
evening set	-3886 May 25 j 01:07	16°♉04'59	
conjunction	-3886 Jun 12 j 02:13	18°♉21'36	-0°33'50
minimum elong	-3886 Jun 12 j 02:15	18°♉21'36	0°33'43
max. Earth dist.	-3886 Jun 12 j 17:35	18°♉26'28	10.24132 AU
morning rise	-3886 Jun 29 j 23:16	20°♉36'55	
retrograde	-3886 Oct 09 j 10:17	28°♉21'35	
opposition	-3886 Dec 15 j 03:39	24°♉56'53	-0°21'52
min. Earth dist.	-3886 Dec 14 j 16:57	24°♉59'03	8.31199 AU
direct	-3885 Feb 21 j 21:56	21°♉27'50	
evening set	-3885 Jun 08 j 05:37	29°♉25'45	
	-3885 Jun 12 j 20:57	0°♊	
conjunction	-3885 Jun 26 j 03:02	1°♊39'07	-0°00'55
minimum elong	-3885 Jun 26 j 03:00	1°♊39'07	0°00'47
behind sun begin	-3885 Jun 25 j 19:45	1°♊36'52	
behind sun end	-3885 Jun 26 j 10:16	1°♊41'21	
max. Earth dist.	-3885 Jun 26 j 15:45	1°♊43'05	10.38693 AU
asc. node	-3885 Jul 06 j 08:55	2°♊55'50	
morning rise	-3885 Jul 13 j 19:45	3°♊51'00	
retrograde	-3885 Oct 22 j 06:51	11°♊23'08	
opposition	-3885 Dec 28 j 09:10	8°♊00'21	0°18'35
min. Earth dist.	-3885 Dec 28 j 00:11	8°♊02'08	8.46126 AU
direct	-3884 Mar 06 j 20:20	4°♊32'25	
evening set	-3884 Jun 20 j 22:01	12°♊20'28	
conjunction	-3884 Jul 08 j 14:45	14°♊30'22	0°31'09
minimum elong	-3884 Jul 08 j 14:44	14°♊30'21	0°31'19
max. Earth dist.	-3884 Jul 09 j 00:25	14°♊33'20	10.53812 AU
morning rise	-3884 Jul 26 j 02:29	16°♊38'40	
retrograde	-3884 Nov 02 j 18:54	23°♊59'25	
opposition	-3883 Jan 09 j 06:44	20°♊38'28	0°56'42
min. Earth dist.	-3883 Jan 08 j 23:16	20°♊39'55	8.61254 AU
direct	-3883 Mar 20 j 09:06	17°♊11'52	
evening set	-3883 Jul 04 j 02:16	24°♊50'08	
conjunction	-3883 Jul 21 j 13:50	26°♊56'34	1°00'46
minimum elong	-3883 Jul 21 j 13:47	26°♊56'33	1°00'56
max. Earth dist.	-3883 Jul 21 j 20:53	26°♊58'43	10.68733 AU
morning rise	-3883 Aug 07 j 20:08	29°♊01'24	
	-3883 Aug 16 j 04:11	0°♋	
retrograde	-3883 Nov 14 j 22:52	6°♋12'16	
opposition	-3882 Jan 21 j 21:16	2°♋52'58	1°30'55
min. Earth dist.	-3882 Jan 21 j 15:36	2°♋54'04	8.75859 AU
	-3882 Mar 07 j 17:36	30°℞♊	
direct	-3882 Apr 02 j 12:53	29°♊27'49	
	-3882 Apr 28 j 04:52	0°♋	
evening set	-3882 Jul 16 j 18:51	6°♋56'45	
conjunction	-3882 Aug 03 j 01:03	8°♋59'54	1°26'51
minimum elong	-3882 Aug 03 j 01:00	8°♋59'53	1°27'01
max. Earth dist.	-3882 Aug 03 j 05:58	9°♋01'22	10.82779 AU
morning rise	-3882 Aug 20 j 01:56	11°♋01'30	
retrograde	-3882 Nov 26 j 21:14	18°♋04'12	
opposition	-3881 Feb 03 j 05:32	14°♋46'20	2°00'07
min. Earth dist.	-3881 Feb 03 j 02:38	14°♋46'53	8.89304 AU
direct	-3881 Apr 15 j 07:34	11°♋22'36	
evening set	-3881 Jul 29 j 01:11	18°♋43'01	
conjunction	-3881 Aug 15 j 02:05	20°♋43'13	1°48'36
minimum elong	-3881 Aug 15 j 02:02	20°♋43'12	1°48'46
max. Earth dist.	-3881 Aug 15 j 03:43	20°♋43'42	10.95367 AU
morning rise	-3881 Aug 31 j 21:59	22°♋41'58	
retrograde	-3881 Dec 08 j 12:12	29°♋38'11	
opposition	-3880 Feb 15 j 08:23	26°♋21'29	2°23'35
min. Earth dist.	-3880 Feb 15 j 08:47	26°♋21'24	9.01045 AU
direct	-3880 Apr 26 j 17:43	22°♋59'05	
	-3880 Aug 07 j 04:19	0°♌	
evening set	-3880 Aug 08 j 22:23	0°♌12'02	
conjunction	-3880 Aug 25 j 18:19	2°♌09'41	2°05'30
minimum elong	-3880 Aug 25 j 18:17	2°♌09'40	2°05'38
max. Earth dist.	-3880 Aug 25 j 15:58	2°♌09'00	11.06011 AU
morning rise	-3880 Sep 11 j 10:02	4°♌06'06	
retrograde	-3880 Dec 18 j 23:02	10°♌57'38	
opposition	-3879 Feb 26 j 07:10	7°♌41'44	2°40'53
min. Earth dist.	-3879 Feb 26 j 10:05	7°♌41'11	9.10624 AU
direct	-3879 May 08 j 23:23	4°♌20'34	
evening set	-3879 Aug 20 j 11:35	11°♌27'09	
conjunction	-3879 Sep 06 j 03:26	13°♌22'46	2°17'14
minimum elong	-3879 Sep 06 j 03:24	13°♌22'46	2°17'21
max. Earth dist.	-3879 Sep 05 j 22:15	13°♌21'16	11.14308 AU
	-3879 Sep 20 j 02:53	15°♌	
morning rise	-3879 Sep 22 j 15:40	15°♌17'23	
retrograde	-3879 Dec 30 j 09:31	22°♌06'02	
opposition	-3878 Mar 10 j 02:54	18°♌50'34	2°51'49
min. Earth dist.	-3878 Mar 10 j 07:45	18°♌49'40	9.17659 AU
direct	-3878 May 20 j 22:18	15°♌30'30	
evening set	-3878 Aug 31 j 18:40	22°♌31'56	
conjunction	-3878 Sep 17 j 07:24	24°♌26'09	2°23'40
minimum elong	-3878 Sep 17 j 07:24	24°♌26'08	2°23'45
max. Earth dist.	-3878 Sep 17 j 00:06	24°♌24'01	11.19919 AU
morning rise	-3878 Oct 03 j 17:01	26°♌19'32	
	-3878 Nov 08 j 01:11	0°♍	
retrograde	-3877 Jan 10 j 17:53	3°♍07'03	
	-3877 Mar 19 j 23:18	30°℞♌	
opposition	-3877 Mar 21 j 20:41	29°♌51'42	2°56'18
min. Earth dist.	-3877 Mar 22 j 04:02	29°♌50'22	9.21858 AU
direct	-3877 Jun 01 j 15:20	26°♌32'32	
	-3877 Aug 09 j 08:55	0°♍	
evening set	-3877 Sep 11 j 21:25	3°♍30'17	
conjunction	-3877 Sep 28 j 07:52	5°♍23'39	2°24'45

Attention, astronomical year style is used: The year -3877 in astronomical counting style is the year 3878 BCE in historical counting style.

minimum elong	-3877 Sep 28 j 07:52	5°♍23'40	2°24'50
max. Earth dist.	-3877 Sep 27 j 21:39	5°♍20'42	11.22619 AU
morning rise	-3877 Oct 14 j 16:02	7°♍16'27	
retrograde	-3876 Jan 22 j 03:50	14°♍04'38	
opposition	-3876 Apr 01 j 14:11	10°♍49'06	2°54'23
min. Earth dist.	-3876 Apr 02 j 00:32	10°♍47'13	9.23076 AU
direct	-3876 Jun 12 j 05:59	7°♍30'37	
evening set	-3876 Sep 21 j 21:30	14°♍26'06	
conjunction	-3876 Oct 08 j 06:34	16°♍19'14	2°20'33
minimum elong	-3876 Oct 08 j 06:35	16°♍19'14	2°20'37
max. Earth dist.	-3876 Oct 07 j 17:24	16°♍15'25	11.22361 AU
morning rise	-3876 Oct 24 j 14:28	18°♍12'04	
retrograde	-3875 Feb 01 j 13:44	25°♍02'38	
opposition	-3875 Apr 13 j 08:29	21°♍46'33	2°46'10
min. Earth dist.	-3875 Apr 13 j 20:35	21°♍44'21	9.21337 AU
direct	-3875 Jun 23 j 18:18	18°♍28'29	
evening set	-3875 Oct 02 j 20:42	25°♍23'08	
conjunction	-3875 Oct 19 j 05:36	27°♍16'37	2°11'12
minimum elong	-3875 Oct 19 j 05:38	27°♍16'38	2°11'14
max. Earth dist.	-3875 Oct 18 j 15:23	27°♍12'29	11.19214 AU
morning rise	-3875 Nov 04 j 14:08	29°♍10'04	
	-3875 Nov 11 j 23:28	0°♎	
retrograde	-3874 Feb 13 j 06:17	6°♎04'41	
opposition	-3874 Apr 25 j 04:36	2°♎47'41	2°31'52
min. Earth dist.	-3874 Apr 25 j 17:13	2°♎45'23	9.16745 AU
	-3874 Jun 09 j 22:25	30°℞♍	
direct	-3874 Jul 05 j 08:41	29°♍29'48	
	-3874 Jul 30 j 07:46	0°♎	
evening set	-3874 Oct 13 j 20:50	6°♎25'01	
conjunction	-3874 Oct 30 j 06:33	8°♎19'27	1°56'56
minimum elong	-3874 Oct 30 j 06:35	8°♎19'27	1°56'55
max. Earth dist.	-3874 Oct 29 j 16:02	8°♎15'12	11.13302 AU
morning rise	-3874 Nov 15 j 16:36	10°♎14'05	
retrograde	-3873 Feb 25 j 03:12	17°♎14'17	
opposition	-3873 May 07 j 03:51	13°♎56'07	2°11'44
min. Earth dist.	-3873 May 07 j 16:51	13°♎53'44	9.09464 AU
direct	-3873 Jul 16 j 20:58	10°♎38'08	
evening set	-3873 Oct 24 j 23:55	17°♎35'28	
conjunction	-3873 Nov 10 j 11:03	19°♎31'19	1°38'02
minimum elong	-3873 Nov 10 j 11:06	19°♎31'20	1°37'59
max. Earth dist.	-3873 Nov 09 j 19:26	19°♎26'42	11.04833 AU
morning rise	-3873 Nov 26 j 23:37	21°♎27'41	
retrograde	-3872 Mar 08 j 05:26	28°♎35'04	
opposition	-3872 May 18 j 07:25	25°♎15'29	1°46'11
min. Earth dist.	-3872 May 18 j 21:04	25°♎12'57	8.99759 AU
direct	-3872 Jul 27 j 12:28	21°♎57'09	
evening set	-3872 Nov 04 j 07:49	28°♎58'09	
	-3872 Nov 13 j 01:35	0°♏	
conjunction	-3872 Nov 20 j 21:08	0°♏55'57	1°14'58
minimum elong	-3872 Nov 20 j 21:11	0°♏55'58	1°14'53
max. Earth dist.	-3872 Nov 20 j 05:10	0°♏51'11	10.94111 AU
morning rise	-3872 Dec 07 j 13:00	2°♏54'32	
retrograde	-3871 Mar 20 j 15:50	10°♏10'38	
opposition	-3871 May 30 j 16:21	6°♏49'26	1°15'46
min. Earth dist.	-3871 May 31 j 05:52	6°♏46'55	8.87985 AU
direct	-3871 Aug 08 j 08:31	3°♏30'30	
evening set	-3871 Nov 15 j 22:20	10°♏36'47	
conjunction	-3871 Dec 02 j 14:40	12°♏36'58	0°48'19
minimum elong	-3871 Dec 02 j 14:42	12°♏36'58	0°48'12
max. Earth dist.	-3871 Dec 02 j 00:05	12°♏32'33	10.81509 AU
morning rise	-3871 Dec 19 j 10:14	14°♏38'12	
	-3871 Dec 22 j 12:11	15°♏	
retrograde	-3870 Apr 02 j 10:44	22°♏04'26	
opposition	-3870 Jun 12 j 07:30	18°♏41'28	0°41'17
min. Earth dist.	-3870 Jun 12 j 19:31	18°♏39'12	8.74563 AU
direct	-3870 Aug 20 j 09:39	15°♏21'46	
evening set	-3870 Nov 27 j 21:42	22°♏34'56	
conjunction	-3870 Dec 14 j 17:27	24°♏37'53	0°18'54
minimum elong	-3870 Dec 14 j 17:28	24°♏37'53	0°18'46
max. Earth dist.	-3870 Dec 14 j 04:41	24°♏33'59	10.67483 AU
morning rise	-3870 Dec 31 j 17:01	26°♏42'06	
	-3869 Jan 29 j 22:07	0°♐	
retrograde	-3869 Apr 15 j 16:42	4°♐19'38	
opposition	-3869 Jun 25 j 05:45	0°♐54'53	0°03'49
min. Earth dist.	-3869 Jun 25 j 15:34	0°♐53'00	8.60014 AU
	-3869 Jul 07 j 07:31	30°℞♏	
desc. node	-3869 Aug 01 j 17:27	28°♏22'47	
direct	-3869 Sep 01 j 17:13	27°♏34'13	
	-3869 Oct 25 j 07:18	0°♐	
evening set	-3869 Dec 10 j 07:41	4°♐55'48	
conjunction	-3869 Dec 27 j 07:03	7°♐01'48	-0°12'17
minimum elong	-3869 Dec 27 j 07:02	7°♐01'47	0°12'26
behind sun begin	-3869 Dec 27 j 02:21	7°♐00'21	
behind sun end	-3869 Dec 27 j 11:43	7°♐03'14	
max. Earth dist.	-3869 Dec 26 j 19:52	6°♐58'19	10.52616 AU
morning rise	-3868 Jan 13 j 10:56	9°♐09'16	
retrograde	-3868 Apr 28 j 09:32	16°♐58'55	
opposition	-3868 Jul 07 j 12:05	13°♐32'25	-0°35'09
min. Earth dist.	-3868 Jul 07 j 19:45	13°♐30'56	8.44975 AU
direct	-3868 Sep 13 j 06:44	10°♐10'37	
evening set	-3868 Dec 22 j 05:42	17°♐41'57	
conjunction	-3867 Jan 08 j 08:50	19°♐51'07	-0°43'43
minimum elong	-3867 Jan 08 j 08:49	19°♐51'07	0°43'52
max. Earth dist.	-3867 Jan 07 j 23:37	19°♐48'12	10.37583 AU
morning rise	-3867 Jan 25 j 17:10	22°♐01'58	
	-3867 May 03 j 14:18	0°♑	
retrograde	-3867 May 12 j 11:05	0°♑04'02	
	-3867 May 21 j 07:41	30°℞♐	
opposition	-3867 Jul 21 j 02:37	26°♐35'55	-1°13'45
min. Earth dist.	-3867 Jul 21 j 08:11	26°♐34'49	8.30167 AU
direct	-3867 Sep 26 j 07:03	23°♐12'50	
	-3867 Dec 28 j 08:17	0°♑	
evening set	-3866 Jan 04 j 17:09	0°♑54'56	
conjunction	-3866 Jan 22 j 00:15	3°♑07'20	-1°13'50
minimum elong	-3866 Jan 22 j 00:12	3°♑07'19	1°13'59
max. Earth dist.	-3866 Jan 21 j 18:11	3°♑05'23	10.23135 AU
morning rise	-3866 Feb 08 j 12:45	5°♑21'29	
retrograde	-3866 May 26 j 22:07	13°♑35'29	
opposition	-3866 Aug 04 j 01:02	10°♑05'57	-1°49'43
min. Earth dist.	-3866 Aug 04 j 04:02	10°♑05'21	8.16375 AU
direct	-3866 Oct 09 j 17:21	6°♑41'32	
evening set	-3865 Jan 18 j 18:16	14°♑34'49	
conjunction	-3865 Feb 05 j 05:21	16°♑50'20	-1°40'41
minimum elong	-3865 Feb 05 j 05:17	16°♑50'18	1°40'50
max. Earth dist.	-3865 Feb 05 j 03:33	16°♑49'44	10.10083 AU
morning rise	-3865 Feb 22 j 21:38	19°♑07'32	
retrograde	-3865 Jun 10 j 17:49	27°♑32'07	
opposition	-3865 Aug 18 j 06:54	24°♑01'27	-2°20'29
min. Earth dist.	-3865 Aug 18 j 06:27	24°♑01'32	8.04413 AU
direct	-3865 Oct 23 j 12:42	20°♑35'44	
evening set	-3864 Feb 02 j 08:28	28°♑39'48	
	-3864 Feb 12 j 14:48	0°♒	

Attention, astronomical year style is used: The year -3864 in astronomical counting style is the year 3865 BCE in historical counting style.

conjunction	-3864 Feb 19 j 23:27	0°♒58'06	-2°02'15
minimum elong	-3864 Feb 19 j 23:24	0°♒58'05	2°02'24
max. Earth dist.	-3864 Feb 20 j 02:22	0°♒59'04	9.99250 AU
morning rise	-3864 Mar 08 j 19:08	3°♒17'58	
retrograde	-3864 Jun 24 j 20:19	11°♒50'42	
opposition	-3864 Aug 31 j 18:49	8°♒19'17	-2°43'28
min. Earth dist.	-3864 Aug 31 j 14:44	8°♒20'07	7.95053 AU
direct	-3864 Nov 05 j 17:11	4°♒52'19	
evening set	-3863 Feb 16 j 10:30	13°♒05'57	
	-3863 Mar 02 j 21:09	15°♒	
conjunction	-3863 Mar 06 j 05:12	15°♒26'33	-2°16'40
minimum elong	-3863 Mar 06 j 05:11	15°♒26'33	2°16'47
max. Earth dist.	-3863 Mar 06 j 12:42	15°♒29'03	9.91381 AU
morning rise	-3863 Mar 24 j 03:51	17°♒48'29	
retrograde	-3863 Jul 10 j 01:51	26°♒25'52	
opposition	-3863 Sep 15 j 10:44	22°♒54'09	-2°56'26
min. Earth dist.	-3863 Sep 15 j 03:20	22°♒55'42	7.88950 AU
direct	-3863 Nov 20 j 06:00	19°♒26'05	
evening set	-3862 Mar 03 j 21:26	27°♒47'07	
	-3862 Mar 20 j 15:24	0°♓	
conjunction	-3862 Mar 21 j 19:31	0°♓09'22	-2°22'28
minimum elong	-3862 Mar 21 j 19:31	0°♓09'22	2°22'34
max. Earth dist.	-3862 Mar 22 j 06:58	0°♓13'10	9.87054 AU
morning rise	-3862 Apr 08 j 20:35	2°♓32'36	
retrograde	-3862 Jul 25 j 06:55	11°♓10'30	
opposition	-3862 Sep 30 j 04:36	7°♓38'59	-2°57'57
min. Earth dist.	-3862 Sep 29 j 18:36	7°♓41'04	7.86553 AU
direct	-3862 Dec 05 j 01:07	4°♓10'02	
evening set	-3861 Mar 19 j 13:17	12°♓35'23	
conjunction	-3861 Apr 06 j 14:13	14°♓58'29	-2°18'59
minimum elong	-3861 Apr 06 j 14:16	14°♓58'30	2°19'02
max. Earth dist.	-3861 Apr 07 j 04:44	15°♓03'19	9.86603 AU
morning rise	-3861 Apr 24 j 17:01	17°♓22'09	
retrograde	-3861 Aug 09 j 08:10	25°♓56'16	
opposition	-3861 Oct 14 j 21:40	22°♓25'25	-2°47'41
min. Earth dist.	-3861 Oct 14 j 10:05	22°♓27'51	7.88046 AU
direct	-3861 Dec 19 j 23:57	18°♓55'50	
evening set	-3860 Apr 03 j 06:08	27°♓22'05	
conjunction	-3860 Apr 21 j 09:13	29°♓45'08	-2°06'23
minimum elong	-3860 Apr 21 j 09:17	29°♓45'09	2°06'24
max. Earth dist.	-3860 Apr 22 j 01:34	29°♓50'33	9.90056 AU
	-3860 Apr 23 j 06:09	0°♈	
morning rise	-3860 May 09 j 12:51	2°♈08'18	
retrograde	-3860 Aug 23 j 02:27	10°♈34'40	
opposition	-3860 Oct 28 j 11:16	7°♈04'53	-2°26'30
min. Earth dist.	-3860 Oct 27 j 22:56	7°♈07'28	7.93293 AU
direct	-3859 Jan 02 j 23:30	3°♈34'57	
evening set	-3859 Apr 18 j 19:45	11°♈58'42	
conjunction	-3859 May 06 j 23:54	14°♈20'48	-1°45'49
minimum elong	-3859 May 06 j 23:58	14°♈20'50	1°45'48
max. Earth dist.	-3859 May 07 j 16:44	14°♈26'19	9.97099 AU
morning rise	-3859 May 25 j 03:13	16°♈42'32	
retrograde	-3859 Sep 06 j 12:01	24°♈58'11	
opposition	-3859 Nov 11 j 19:27	21°♈29'47	-1°56'23
min. Earth dist.	-3859 Nov 11 j 07:05	21°♈32'21	8.01838 AU
direct	-3858 Jan 17 j 21:39	17°♈59'50	
evening set	-3858 May 04 j 02:20	26°♈18'10	
conjunction	-3858 May 22 j 06:12	28°♈38'27	-1°19'02
minimum elong	-3858 May 22 j 06:15	28°♈38'29	1°18'59
max. Earth dist.	-3858 May 22 j 22:14	28°♈43'39	10.07112 AU
	-3858 Jun 01 j 18:32	0°♉	
morning rise	-3858 Jun 09 j 07:54	0°♉57'57	
retrograde	-3858 Sep 20 j 10:41	9°♉01'11	
opposition	-3858 Nov 25 j 20:33	5°♉34'25	-1°19'56
min. Earth dist.	-3858 Nov 25 j 08:35	5°♉36'53	8.12973 AU
direct	-3857 Feb 01 j 15:02	2°♉04'50	
evening set	-3857 May 18 j 23:29	10°♉15'43	
conjunction	-3857 Jun 06 j 01:42	12°♉33'30	-0°48'11
minimum elong	-3857 Jun 06 j 01:45	12°♉33'31	0°48'06
max. Earth dist.	-3857 Jun 06 j 16:15	12°♉38'09	10.19326 AU
morning rise	-3857 Jun 24 j 00:32	14°♉50'10	
	-3857 Jun 25 j 08:03	15°♉	
retrograde	-3857 Oct 03 j 22:50	22°♉40'30	
opposition	-3857 Dec 09 j 13:47	19°♉15'31	-0°39'56
min. Earth dist.	-3857 Dec 09 j 02:33	19°♉17'48	8.25954 AU
direct	-3856 Feb 16 j 01:12	15°♉46'37	
evening set	-3856 Jun 01 j 09:39	23°♉48'45	
conjunction	-3856 Jun 19 j 08:55	26°♉03'33	-0°15'26
minimum elong	-3856 Jun 19 j 08:56	26°♉03'33	0°15'19
behind sun begin	-3856 Jun 19 j 07:02	26°♉02'58	
behind sun end	-3856 Jun 19 j 10:49	26°♉04'08	
max. Earth dist.	-3856 Jun 19 j 21:53	26°♉07'37	10.33017 AU
morning rise	-3856 Jul 07 j 03:43	28°♉16'57	
	-3856 Jul 21 j 10:33	0°♊	
retrograde	-3856 Oct 16 j 01:39	5°♊54'40	
asc. node	-3856 Dec 13 j 11:08	3°♊11'59	
opposition	-3856 Dec 21 j 23:09	2°♊31'30	0°00'55
min. Earth dist.	-3856 Dec 21 j 13:30	2°♊33'26	8.40098 AU
	-3855 Jan 26 j 13:23	30°℞♉	
direct	-3855 Mar 01 j 02:30	29°♉03'31	
	-3855 Apr 03 j 12:32	0°♊	
evening set	-3855 Jun 15 j 07:56	6°♊56'08	
conjunction	-3855 Jul 03 j 02:59	9°♊07'36	0°17'16
minimum elong	-3855 Jul 03 j 02:58	9°♊07'36	0°17'25
max. Earth dist.	-3855 Jul 03 j 13:46	9°♊10'56	10.47495 AU
morning rise	-3855 Jul 20 j 16:53	11°♊17'30	
retrograde	-3855 Oct 28 j 19:30	18°♊43'28	
opposition	-3854 Jan 04 j 00:42	15°♊22'02	0°40'19
min. Earth dist.	-3854 Jan 03 j 17:23	15°♊23'29	8.54718 AU
direct	-3854 Mar 14 j 18:33	11°♊55'07	
evening set	-3854 Jun 28 j 18:04	19°♊38'01	
conjunction	-3854 Jul 16 j 08:04	21°♊46'04	0°48'08
minimum elong	-3854 Jul 16 j 08:02	21°♊46'03	0°48'17
max. Earth dist.	-3854 Jul 16 j 15:45	21°♊48'25	10.62069 AU
morning rise	-3854 Aug 02 j 16:43	23°♊52'29	
	-3854 Oct 05 j 01:57	0°♋	
retrograde	-3854 Nov 10 j 02:10	1°♋07'57	
	-3854 Dec 16 j 18:55	30°℞♊	
opposition	-3853 Jan 16 j 18:45	27°♊48'06	1°16'28
min. Earth dist.	-3853 Jan 16 j 14:08	27°♊48'59	8.69126 AU
direct	-3853 Mar 28 j 03:27	24°♊22'19	
	-3853 Jun 24 j 19:34	0°♋	
evening set	-3853 Jul 11 j 16:14	1°♋55'48	
conjunction	-3853 Jul 29 j 00:49	4°♋00'29	1°15'55
minimum elong	-3853 Jul 29 j 00:46	4°♋00'28	1°16'06
max. Earth dist.	-3853 Jul 29 j 04:39	4°♋01'38	10.76069 AU
morning rise	-3853 Aug 15 j 04:14	6°♋03'36	
retrograde	-3853 Nov 22 j 01:47	13°♋10'10	
opposition	-3852 Jan 29 j 05:58	9°♋51'38	1°48'03
min. Earth dist.	-3852 Jan 29 j 03:27	9°♋52'07	8.82659 AU
direct	-3852 Apr 09 j 03:59	6°♋27'04	
evening set	-3852 Jul 23 j 03:25	13°♋51'44	

Attention, astronomical year style is used: The year -3852 in astronomical counting style is the year 3853 BCE in historical counting style.

conjunction	-3852 Aug 09 j 06:38	15°♋53'19	1°39'41
minimum elong	-3852 Aug 09 j 06:35	15°♋53'18	1°39'51
max. Earth dist.	-3852 Aug 09 j 07:34	15°♋53'36	10.88885 AU
morning rise	-3852 Aug 26 j 04:54	17°♋53'26	
retrograde	-3852 Dec 02 j 20:17	24°♋52'49	
opposition	-3851 Feb 09 j 11:24	21°♋35'20	2°14'09
min. Earth dist.	-3851 Feb 09 j 10:45	21°♋35'27	8.94748 AU
direct	-3851 Apr 21 j 18:44	18°♋12'00	
evening set	-3851 Aug 04 j 04:41	25°♋28'41	
conjunction	-3851 Aug 21 j 02:57	27°♋27'35	1°58'47
minimum elong	-3851 Aug 21 j 02:54	27°♋27'34	1°58'56
max. Earth dist.	-3851 Aug 21 j 01:47	27°♋27'14	11.00016 AU
morning rise	-3851 Sep 06 j 20:29	29°♋25'09	
	-3851 Sep 11 j 22:19	0°♌	
retrograde	-3851 Dec 14 j 09:57	6°♌19'06	
opposition	-3850 Feb 21 j 12:11	3°♌02'24	2°34'15
min. Earth dist.	-3850 Feb 21 j 13:55	3°♌02'05	9.04943 AU
	-3850 Apr 13 j 14:30	30°℞♋	
direct	-3850 May 04 j 02:30	29°♋40'13	
	-3850 May 24 j 11:20	0°♌	
evening set	-3850 Aug 15 j 21:21	6°♌50'01	
conjunction	-3850 Sep 01 j 15:11	8°♌46'41	2°12'50
minimum elong	-3850 Sep 01 j 15:09	8°♌46'40	2°12'57
max. Earth dist.	-3850 Sep 01 j 11:28	8°♌45'36	11.09063 AU
morning rise	-3850 Sep 18 j 04:51	10°♌42'12	
	-3850 Oct 30 j 06:13	15°♌	
retrograde	-3850 Dec 25 j 20:48	17°♌32'29	
	-3849 Feb 23 j 11:02	15°℞♌	
opposition	-3849 Mar 05 j 09:24	14°♌16'18	2°48'01
min. Earth dist.	-3849 Mar 05 j 14:11	14°♌15'25	9.12887 AU
direct	-3849 May 16 j 03:11	10°♌55'10	
	-3849 Jul 30 j 09:27	15°♌	
evening set	-3849 Aug 27 j 07:20	17°♌59'20	
conjunction	-3849 Sep 12 j 21:23	19°♌54'18	2°21'37
minimum elong	-3849 Sep 12 j 21:21	19°♌54'17	2°21'42
max. Earth dist.	-3849 Sep 12 j 14:12	19°♌52'12	11.15730 AU
morning rise	-3849 Sep 29 j 08:12	21°♌48'21	
retrograde	-3848 Jan 06 j 03:49	28°♌36'41	
opposition	-3848 Mar 16 j 04:05	25°♌20'44	2°55'19
min. Earth dist.	-3848 Mar 16 j 11:06	25°♌19'27	9.18316 AU
direct	-3848 May 26 j 23:07	22°♌00'33	
evening set	-3848 Sep 06 j 11:58	29°♌00'22	
	-3848 Sep 15 j 04:12	0°♍	
conjunction	-3848 Sep 22 j 23:19	0°♍54'13	2°25'02
minimum elong	-3848 Sep 22 j 23:19	0°♍54'13	2°25'06
max. Earth dist.	-3848 Sep 22 j 14:01	0°♍51'31	11.19812 AU
morning rise	-3848 Oct 09 j 08:13	2°♍47'22	
retrograde	-3847 Jan 16 j 13:40	9°♍35'32	
opposition	-3847 Mar 27 j 21:46	6°♍19'32	2°56'11
min. Earth dist.	-3847 Mar 28 j 05:53	6°♍18'03	9.21058 AU
direct	-3847 Jun 07 j 16:37	3°♍00'11	
evening set	-3847 Sep 17 j 12:56	9°♍56'56	
conjunction	-3847 Oct 03 j 22:42	11°♍50'16	2°23'07
minimum elong	-3847 Oct 03 j 22:43	11°♍50'16	2°23'11
max. Earth dist.	-3847 Oct 03 j 12:32	11°♍47'19	11.21173 AU
morning rise	-3847 Oct 20 j 06:37	13°♍43'08	
retrograde	-3846 Jan 28 j 00:28	20°♍32'48	
opposition	-3846 Apr 08 j 15:36	17°♍16'28	2°50'39
min. Earth dist.	-3846 Apr 09 j 01:06	17°♍14'44	9.21022 AU
direct	-3846 Jun 19 j 05:06	13°♍57'48	
evening set	-3846 Sep 28 j 12:25	20°♍52'55	
conjunction	-3846 Oct 14 j 21:26	22°♍46'17	2°15'58
minimum elong	-3846 Oct 14 j 21:28	22°♍46'18	2°16'00
max. Earth dist.	-3846 Oct 14 j 09:22	22°♍42'47	11.19766 AU
morning rise	-3846 Oct 31 j 05:33	24°♍39'29	
	-3846 Dec 26 j 08:58	0°♎	
retrograde	-3845 Feb 08 j 14:20	1°♎32'15	
	-3845 Mar 26 j 05:26	30°℞♍	
opposition	-3845 Apr 20 j 10:41	28°♍15'22	2°38'55
min. Earth dist.	-3845 Apr 20 j 22:03	28°♍13'17	9.18208 AU
direct	-3845 Jun 30 j 17:19	24°♍57'08	
	-3845 Sep 22 j 14:26	0°♎	
evening set	-3845 Oct 09 j 12:05	1°♎52'06	
conjunction	-3845 Oct 25 j 21:14	3°♎46'06	2°03'47
minimum elong	-3845 Oct 25 j 21:16	3°♎46'06	2°03'47
max. Earth dist.	-3845 Oct 25 j 07:18	3°♎42'02	11.15635 AU
morning rise	-3845 Nov 11 j 06:38	5°♎40'11	
retrograde	-3844 Feb 20 j 07:13	12°♎37'44	
opposition	-3844 May 01 j 08:32	9°♎19'59	2°21'13
min. Earth dist.	-3844 May 01 j 21:02	9°♎17'42	9.12704 AU
direct	-3844 Jul 11 j 05:52	6°♎01'59	
evening set	-3844 Oct 19 j 13:32	12°♎58'16	
conjunction	-3844 Nov 04 j 23:54	14°♎53'25	1°46'48
minimum elong	-3844 Nov 04 j 23:57	14°♎53'25	1°46'46
max. Earth dist.	-3844 Nov 04 j 09:58	14°♎49'19	11.08904 AU
morning rise	-3844 Nov 21 j 11:20	16°♎48'57	
retrograde	-3843 Mar 03 j 07:26	23°♎52'55	
opposition	-3843 May 13 j 10:06	20°♎34'02	1°57'54
min. Earth dist.	-3843 May 13 j 22:12	20°♎31'49	9.04686 AU
direct	-3843 Jul 22 j 21:30	17°♎16'03	
evening set	-3843 Oct 30 j 19:04	24°♎15'08	
conjunction	-3843 Nov 16 j 07:28	26°♎11'59	1°25'27
minimum elong	-3843 Nov 16 j 07:31	26°♎12'00	1°25'23
max. Earth dist.	-3843 Nov 15 j 18:03	26°♎08'00	10.99783 AU
morning rise	-3843 Dec 02 j 21:40	28°♎09'27	
	-3843 Dec 19 j 05:29	0°♏	
retrograde	-3842 Mar 15 j 16:07	5°♏21'18	
opposition	-3842 May 25 j 16:21	2°♏01'07	1°29'28
min. Earth dist.	-3842 May 26 j 03:52	1°♏58'59	8.94422 AU
	-3842 Jun 23 j 22:12	30°℞♎	
direct	-3842 Aug 03 j 14:27	28°♎42'53	
	-3842 Sep 12 j 01:50	0°♏	
evening set	-3842 Nov 11 j 06:33	5°♏46'22	
conjunction	-3842 Nov 27 j 21:29	7°♏45'20	1°00'14
minimum elong	-3842 Nov 27 j 21:31	7°♏45'21	1°00'09
max. Earth dist.	-3842 Nov 27 j 07:56	7°♏41'16	10.88584 AU
morning rise	-3842 Dec 14 j 15:13	9°♏45'13	
	-3841 Feb 04 j 09:41	15°♏	
retrograde	-3841 Mar 28 j 06:47	17°♏06'21	
	-3841 May 21 j 00:54	15°℞♏	
opposition	-3841 Jun 07 j 04:37	13°♏44'42	0°56'38
min. Earth dist.	-3841 Jun 07 j 15:45	13°♏42'37	8.82270 AU
direct	-3841 Aug 15 j 11:50	10°♏25'56	
	-3841 Oct 31 j 06:09	15°♏	
evening set	-3841 Nov 23 j 01:44	17°♏35'24	
conjunction	-3841 Dec 09 j 19:40	19°♏36'53	0°31'55
minimum elong	-3841 Dec 09 j 19:41	19°♏36'53	0°31'48
max. Earth dist.	-3841 Dec 09 j 06:21	19°♏32'50	10.75703 AU
morning rise	-3841 Dec 26 j 17:24	21°♏39'33	
retrograde	-3840 Apr 09 j 07:12	29°♏11'15	
opposition	-3840 Jun 18 j 23:39	25°♏47'58	0°20'20
min. Earth dist.	-3840 Jun 19 j 10:13	25°♏45'58	8.68683 AU
direct	-3840 Aug 26 j 16:48	22°♏28'25	

Attention, astronomical year style is used: The year -3840 in astronomical counting style is the year 3841 BCE in historical counting style.

evening set	-3840 Dec 04 j 06:31	29°♏45'21	
	-3840 Dec 06 j 06:54	0°♐	
conjunction	-3840 Dec 21 j 04:02	1°♐49'41	0°01'26
minimum elong	-3840 Dec 21 j 04:01	1°♐49'41	0°01'19
behind sun begin	-3840 Dec 20 j 20:57	1°♐47'31	
behind sun end	-3840 Dec 21 j 11:05	1°♐51'50	
max. Earth dist.	-3840 Dec 20 j 16:31	1°♐46'08	10.61613 AU
morning rise	-3839 Jan 07 j 05:57	3°♐55'26	
desc. node	-3839 Jan 07 j 01:50	3°♐54'11	
retrograde	-3839 Apr 22 j 17:59	11°♐38'39	
opposition	-3839 Jul 02 j 01:56	8°♐13'40	-0°18'06
min. Earth dist.	-3839 Jul 02 j 10:51	8°♐11'57	8.54176 AU
direct	-3839 Sep 08 j 03:52	4°♐53'05	
evening set	-3839 Dec 16 j 22:33	12°♐18'57	
conjunction	-3838 Jan 02 j 23:55	14°♐26'22	-0°30'03
minimum elong	-3838 Jan 02 j 23:54	14°♐26'21	0°30'12
max. Earth dist.	-3838 Jan 02 j 14:45	14°♐23'30	10.46845 AU
morning rise	-3838 Jan 20 j 06:03	16°♐35'21	
retrograde	-3838 May 06 j 14:16	24°♐30'45	
opposition	-3838 Jul 15 j 12:04	21°♐04'04	-0°57'00
min. Earth dist.	-3838 Jul 15 j 18:36	21°♐02'47	8.39318 AU
direct	-3838 Sep 20 j 23:55	17°♐42'17	
evening set	-3838 Dec 30 j 03:16	25°♐18'22	
conjunction	-3837 Jan 16 j 08:30	27°♐28'59	-1°00'54
minimum elong	-3837 Jan 16 j 08:27	27°♐28'58	1°01'03
max. Earth dist.	-3837 Jan 16 j 01:47	27°♐26'51	10.32044 AU
morning rise	-3837 Feb 02 j 18:45	29°♐41'16	
	-3837 Feb 05 j 07:04	0°♑	
retrograde	-3837 May 20 j 21:22	7°♑48'53	
opposition	-3837 Jul 29 j 06:15	4°♑20'38	-1°34'18
min. Earth dist.	-3837 Jul 29 j 09:59	4°♑19'54	8.24862 AU
direct	-3837 Oct 04 j 04:13	0°♑57'32	
evening set	-3836 Jan 12 j 21:33	8°♑44'37	
conjunction	-3836 Jan 30 j 06:37	10°♑58'24	-1°29'21
minimum elong	-3836 Jan 30 j 06:34	10°♑58'23	1°29'31
max. Earth dist.	-3836 Jan 30 j 02:29	10°♑57'04	10.18069 AU
morning rise	-3836 Feb 16 j 20:55	13°♑13'55	
retrograde	-3836 Jun 03 j 13:46	21°♑32'50	
opposition	-3836 Aug 11 j 08:12	18°♑03'13	-2°07'36
min. Earth dist.	-3836 Aug 11 j 09:17	18°♑03'00	8.11712 AU
direct	-3836 Oct 16 j 17:35	14°♑38'38	
evening set	-3835 Jan 26 j 05:14	22°♑36'48	
conjunction	-3835 Feb 12 j 18:09	24°♑53'33	-1°53'27
minimum elong	-3835 Feb 12 j 18:06	24°♑53'31	1°53'37
max. Earth dist.	-3835 Feb 12 j 17:21	24°♑53'17	10.05825 AU
morning rise	-3835 Mar 02 j 12:13	27°♑11'57	
	-3835 Mar 25 j 06:50	0°♒	
retrograde	-3835 Jun 18 j 13:06	5°♒40'13	
opposition	-3835 Aug 25 j 16:48	2°♒09'31	-2°34'18
min. Earth dist.	-3835 Aug 25 j 15:17	2°♒09'50	8.00722 AU
	-3835 Sep 23 j 04:28	30°℞♑	
direct	-3835 Oct 30 j 17:27	28°♑43'27	
	-3835 Dec 06 j 16:38	0°♒	
evening set	-3834 Feb 10 j 01:22	6°♒51'54	
conjunction	-3834 Feb 27 j 18:03	9°♒11'13	-2°11'15
minimum elong	-3834 Feb 27 j 18:01	9°♒11'12	2°11'23
max. Earth dist.	-3834 Feb 27 j 21:07	9°♒12'13	9.96128 AU
morning rise	-3834 Mar 17 j 15:21	11°♒32'00	
	-3834 Apr 14 j 22:14	15°♒	
retrograde	-3834 Jul 03 j 15:41	20°♒06'38	
opposition	-3834 Sep 09 j 06:16	16°♒35'14	-2°51'59
min. Earth dist.	-3834 Sep 09 j 02:03	16°♒36'07	7.92633 AU
	-3834 Sep 29 j 03:36	15°℞♒	
direct	-3834 Nov 14 j 03:24	13°♒07'45	
	-3834 Dec 29 j 02:08	15°♒	
evening set	-3833 Feb 25 j 07:29	21°♒24'45	
conjunction	-3833 Mar 15 j 03:48	23°♒46'04	-2°21'03
minimum elong	-3833 Mar 15 j 03:47	23°♒46'04	2°21'10
max. Earth dist.	-3833 Mar 15 j 11:00	23°♒48'28	9.89663 AU
morning rise	-3833 Apr 02 j 03:49	26°♒08'33	
	-3833 May 03 j 17:11	0°♓	
retrograde	-3833 Jul 18 j 18:53	4°♓45'47	
opposition	-3833 Sep 23 j 22:41	1°♓14'08	-2°58'49
min. Earth dist.	-3833 Sep 23 j 15:40	1°♓15'36	7.88011 AU
	-3833 Oct 09 j 01:13	30°℞♒	
direct	-3833 Nov 28 j 19:47	27°♒45'27	
	-3832 Jan 17 j 07:24	0°♓	
evening set	-3832 Mar 11 j 20:22	6°♓08'19	
conjunction	-3832 Mar 29 j 19:59	8°♓30'57	-2°21'50
minimum elong	-3832 Mar 29 j 20:00	8°♓30'58	2°21'54
max. Earth dist.	-3832 Mar 30 j 07:11	8°♓34'41	9.86891 AU
morning rise	-3832 Apr 16 j 22:06	10°♓54'21	
retrograde	-3832 Aug 01 j 20:38	19°♓29'59	
opposition	-3832 Oct 07 j 15:28	15°♓58'33	-2°53'55
min. Earth dist.	-3832 Oct 07 j 05:49	16°♓00'34	7.87164 AU
direct	-3832 Dec 12 j 16:33	12°♓28'54	
evening set	-3831 Mar 27 j 12:22	20°♓54'30	
conjunction	-3831 Apr 14 j 14:39	23°♓17'36	-2°13'20
minimum elong	-3831 Apr 14 j 14:42	23°♓17'37	2°13'22
max. Earth dist.	-3831 Apr 15 j 04:57	23°♓22'21	9.87988 AU
morning rise	-3831 May 02 j 17:59	25°♓41'01	
	-3831 Jun 07 j 14:04	0°♈	
retrograde	-3831 Aug 16 j 17:42	4°♈10'56	
opposition	-3831 Oct 22 j 06:06	0°♈40'11	-2°37'37
min. Earth dist.	-3831 Oct 21 j 18:33	0°♈42'37	7.90129 AU
	-3831 Oct 30 j 07:00	30°℞♓	
direct	-3831 Dec 27 j 14:46	27°♓09'56	
	-3830 Feb 22 j 08:50	0°♈	
evening set	-3830 Apr 12 j 03:09	5°♈34'52	
conjunction	-3830 Apr 30 j 07:07	7°♈57'32	-1°56'16
minimum elong	-3830 Apr 30 j 07:11	7°♈57'33	1°56'16
max. Earth dist.	-3830 Apr 30 j 23:21	8°♈02'53	9.92850 AU
morning rise	-3830 May 18 j 10:39	10°♈20'01	
retrograde	-3830 Aug 31 j 08:05	18°♈40'51	
opposition	-3830 Nov 05 j 16:34	15°♈11'14	-2°11'21
min. Earth dist.	-3830 Nov 05 j 04:06	15°♈13'50	7.96676 AU
direct	-3829 Jan 11 j 12:32	11°♈40'43	
evening set	-3829 Apr 27 j 12:45	20°♈01'49	
conjunction	-3829 May 15 j 17:08	22°♈23'09	-1°32'07
minimum elong	-3829 May 15 j 17:12	22°♈23'10	1°32'04
max. Earth dist.	-3829 May 16 j 10:01	22°♈28'39	10.01102 AU
morning rise	-3829 Jun 02 j 19:42	24°♈43'51	
	-3829 Jul 19 j 03:34	0°♉	
retrograde	-3829 Sep 14 j 12:26	2°♉53'12	
	-3829 Nov 12 j 19:17	30°℞♈	
opposition	-3829 Nov 19 j 20:54	29°♈25'03	-1°37'29
min. Earth dist.	-3829 Nov 19 j 08:38	29°♈27'35	8.06332 AU
direct	-3828 Jan 26 j 07:42	25°♈54'40	
	-3828 Apr 06 j 01:05	0°♉	
evening set	-3828 May 11 j 14:29	4°♉09'24	
conjunction	-3828 May 29 j 17:49	6°♉28'34	-1°02'51
minimum elong	-3828 May 29 j 17:52	6°♉28'35	1°02'46

Attention, astronomical year style is used: The year -3828 in astronomical counting style is the year 3829 BCE in historical counting style.

max. Earth dist.	-3828 May 30 j 09:51	6°♉33'43	10.12150 AU
morning rise	-3828 Jun 16 j 18:08	8°♉46'44	
	-3828 Aug 14 j 11:32	15°♉	
retrograde	-3828 Sep 27 j 05:24	16°♉43'19	
	-3828 Nov 10 j 17:21	15°℞♉	
opposition	-3828 Dec 02 j 17:47	13°♉16'54	-0°58'45
min. Earth dist.	-3828 Dec 02 j 06:37	13°♉19'11	8.18446 AU
direct	-3827 Feb 08 j 21:05	9°♉47'01	
	-3827 May 01 j 21:04	15°♉	
evening set	-3827 May 26 j 05:54	17°♉53'33	
conjunction	-3827 Jun 13 j 06:43	20°♉09'54	-0°30'42
minimum elong	-3827 Jun 13 j 06:44	20°♉09'55	0°30'36
max. Earth dist.	-3827 Jun 13 j 20:37	20°♉14'18	10.25268 AU
morning rise	-3827 Jul 01 j 03:36	22°♉24'58	
	-3827 Sep 28 j 01:22	0°♊	
retrograde	-3827 Oct 10 j 11:59	0°♊08'38	
	-3827 Oct 22 j 23:41	30°℞♉	
opposition	-3827 Dec 16 j 06:49	26°♉44'04	-0°17'58
min. Earth dist.	-3827 Dec 15 j 20:44	26°♉46'06	8.32269 AU
direct	-3826 Feb 23 j 02:51	23°♉15'03	
	-3826 May 30 j 09:27	0°♊	
asc. node	-3826 Jun 01 j 06:00	0°♊13'13	
evening set	-3826 Jun 09 j 09:27	1°♊12'14	
conjunction	-3826 Jun 27 j 06:31	3°♊25'21	0°02'18
minimum elong	-3826 Jun 27 j 06:30	3°♊25'21	0°02'26
behind sun begin	-3826 Jun 26 j 23:15	3°♊23'06	
behind sun end	-3826 Jun 27 j 13:45	3°♊27'35	
max. Earth dist.	-3826 Jun 27 j 18:04	3°♊28'57	10.39675 AU
morning rise	-3826 Jul 14 j 23:00	5°♊36'59	
retrograde	-3826 Oct 23 j 08:50	13°♊08'21	
opposition	-3826 Dec 29 j 11:42	9°♊45'39	0°22'22
min. Earth dist.	-3826 Dec 29 j 02:43	9°♊47'26	8.47013 AU
direct	-3825 Mar 08 j 23:57	6°♊17'46	
evening set	-3825 Jun 23 j 00:56	14°♊05'12	
conjunction	-3825 Jul 10 j 17:25	16°♊14'54	0°34'08
minimum elong	-3825 Jul 10 j 17:23	16°♊14'53	0°34'17
max. Earth dist.	-3825 Jul 11 j 02:46	16°♊17'46	10.54587 AU
morning rise	-3825 Jul 28 j 04:46	18°♊23'00	
retrograde	-3825 Nov 04 j 20:08	25°♊43'13	
opposition	-3824 Jan 11 j 08:44	22°♊22'18	1°00'14
min. Earth dist.	-3824 Jan 11 j 01:21	22°♊23'45	8.61911 AU
direct	-3824 Mar 21 j 12:25	18°♊55'44	
evening set	-3824 Jul 05 j 04:32	26°♊33'34	
conjunction	-3824 Jul 22 j 15:51	28°♊39'50	1°03'30
minimum elong	-3824 Jul 22 j 15:49	28°♊39'50	1°03'39
max. Earth dist.	-3824 Jul 22 j 23:00	28°♊42'00	10.69258 AU
	-3824 Aug 02 j 16:45	0°♋	
morning rise	-3824 Aug 08 j 21:43	0°♋44'30	
retrograde	-3824 Nov 16 j 00:59	7°♋55'05	
opposition	-3823 Jan 22 j 23:01	4°♋35'49	1°34'03
min. Earth dist.	-3823 Jan 22 j 18:12	4°♋36'44	8.76255 AU
direct	-3823 Apr 03 j 14:51	1°♋10'40	
evening set	-3823 Jul 17 j 20:46	8°♋39'23	
conjunction	-3823 Aug 04 j 02:35	10°♋42'24	1°29'13
minimum elong	-3823 Aug 04 j 02:32	10°♋42'23	1°29'23
max. Earth dist.	-3823 Aug 04 j 06:47	10°♋43'39	10.83029 AU
morning rise	-3823 Aug 21 j 03:06	12°♋43'53	
retrograde	-3823 Nov 27 j 22:14	19°♋46'29	
opposition	-3822 Feb 04 j 07:14	16°♋28'39	2°02'47
min. Earth dist.	-3822 Feb 04 j 05:25	16°♋28'59	8.89428 AU
direct	-3822 Apr 16 j 08:21	13°♋04'54	
evening set	-3822 Jul 30 j 02:47	20°♋25'18	
conjunction	-3822 Aug 16 j 03:15	22°♋25'24	1°50'32
minimum elong	-3822 Aug 16 j 03:12	22°♋25'23	1°50'42
max. Earth dist.	-3822 Aug 16 j 03:37	22°♋25'30	10.95344 AU
morning rise	-3822 Sep 01 j 22:58	24°♋24'07	
	-3822 Oct 30 j 11:28	0°♌	
retrograde	-3822 Dec 09 j 12:46	1°♌20'28	
	-3821 Jan 19 j 17:39	30°℞♋	
opposition	-3821 Feb 16 j 10:07	28°♋03'45	2°25'41
min. Earth dist.	-3821 Feb 16 j 10:53	28°♋03'36	9.00903 AU
direct	-3821 Apr 28 j 20:49	24°♋41'20	
	-3821 Jul 24 j 20:23	0°♌	
evening set	-3821 Aug 10 j 23:42	1°♌54'24	
conjunction	-3821 Aug 27 j 19:24	3°♌52'02	2°06'57
minimum elong	-3821 Aug 27 j 19:22	3°♌52'01	2°07'05
max. Earth dist.	-3821 Aug 27 j 16:35	3°♌51'12	11.05733 AU
morning rise	-3821 Sep 13 j 10:56	5°♌48'27	
retrograde	-3821 Dec 21 j 01:34	12°♌40'19	
opposition	-3820 Feb 28 j 09:01	9°♌24'21	2°42'22
min. Earth dist.	-3820 Feb 28 j 11:34	9°♌23'53	9.10228 AU
direct	-3820 May 10 j 01:24	6°♌03'13	
evening set	-3820 Aug 21 j 12:57	13°♌10'01	
	-3820 Sep 06 j 09:13	15°♌	
conjunction	-3820 Sep 07 j 04:42	15°♌05'41	2°18'09
minimum elong	-3820 Sep 07 j 04:41	15°♌05'41	2°18'16
max. Earth dist.	-3820 Sep 07 j 00:01	15°♌04'19	11.13796 AU
morning rise	-3820 Sep 23 j 16:41	17°♌00'20	
retrograde	-3820 Dec 31 j 11:22	23°♌49'27	
opposition	-3819 Mar 11 j 05:10	20°♌33'56	2°52'38
min. Earth dist.	-3819 Mar 11 j 10:06	20°♌33'01	9.17052 AU
direct	-3819 May 21 j 23:15	17°♌13'53	
evening set	-3819 Sep 01 j 20:16	24°♌15'38	
conjunction	-3819 Sep 18 j 08:51	26°♌09'54	2°24'01
minimum elong	-3819 Sep 18 j 08:51	26°♌09'54	2°24'07
max. Earth dist.	-3819 Sep 18 j 01:25	26°♌07'44	11.19229 AU
morning rise	-3819 Oct 04 j 18:22	28°♌03'22	
	-3819 Oct 22 j 11:09	0°♍	
retrograde	-3818 Jan 11 j 21:09	4°♍51'27	
opposition	-3818 Mar 22 j 23:36	1°♍36'03	2°56'25
min. Earth dist.	-3818 Mar 23 j 07:34	1°♍34'36	9.21106 AU
	-3818 Apr 14 j 20:35	30°℞♌	
direct	-3818 Jun 02 j 17:26	28°♌16'52	
	-3818 Jul 20 j 03:24	0°♍	
evening set	-3818 Sep 12 j 23:12	5°♍14'57	
conjunction	-3818 Sep 29 j 09:30	7°♍08'25	2°24'32
minimum elong	-3818 Sep 29 j 09:30	7°♍08'25	2°24'36
max. Earth dist.	-3818 Sep 28 j 22:38	7°♍05'16	11.21808 AU
morning rise	-3818 Oct 15 j 17:48	9°♍01'20	
retrograde	-3817 Jan 23 j 05:32	15°♍50'08	
opposition	-3817 Apr 03 j 17:33	12°♍34'31	2°53'46
min. Earth dist.	-3817 Apr 04 j 04:00	12°♍32'37	9.22207 AU
direct	-3817 Jun 14 j 08:09	9°♍16'00	
evening set	-3817 Sep 23 j 23:36	16°♍11'53	
conjunction	-3817 Oct 10 j 08:45	18°♍05'09	2°19'44
minimum elong	-3817 Oct 10 j 08:46	18°♍05'09	2°19'47
max. Earth dist.	-3817 Oct 09 j 19:57	18°♍01'26	11.21430 AU
morning rise	-3817 Oct 26 j 16:44	19°♍58'08	
retrograde	-3816 Feb 03 j 18:39	26°♍49'25	
opposition	-3816 Apr 14 j 12:15	23°♍33'13	2°44'50
min. Earth dist.	-3816 Apr 14 j 23:41	23°♍31'08	9.20340 AU
direct	-3816 Jun 24 j 22:56	20°♍15'09	
evening set	-3816 Oct 03 j 23:16	27°♍10'15	

Attention, astronomical year style is used: The year -3816 in astronomical counting style is the year 3817 BCE in historical counting style.

conjunction	-3816 Oct 20 j 08:22	29°♍03'55	2°09'48	
minimum elong	-3816 Oct 20 j 08:24	29°♍03'56	2°09'49	
max. Earth dist.	-3816 Oct 19 j 18:51	28°♍59'59	11.18157 AU	
	-3816 Oct 28 j 09:04	0°♎		
morning rise	-3816 Nov 05 j 16:57	0°♎57'33		
retrograde	-3815 Feb 14 j 11:16	7°♎52'56		
opposition	-3815 Apr 26 j 09:09	4°♎35'51	2°29'49	
min. Earth dist.	-3815 Apr 26 j 21:18	4°♎33'38	9.15628 AU	
direct	-3815 Jul 06 j 10:53	1°♎17'58		
evening set	-3815 Oct 15 j 00:02	8°♎13'42		
conjunction	-3815 Oct 31 j 09:51	10°♎08'19	1°54'57	
minimum elong	-3815 Oct 31 j 09:54	10°♎08'20	1°54'55	
max. Earth dist.	-3815 Oct 30 j 19:06	10°♎04'00	11.12144 AU	
morning rise	-3815 Nov 16 j 20:11	12°♎03'11		
retrograde	-3814 Feb 26 j 08:13	19°♎04'16		
opposition	-3814 May 08 j 09:14	15°♎46'00	2°09'01	
min. Earth dist.	-3814 May 08 j 22:33	15°♎43'33	9.08262 AU	
direct	-3814 Jul 18 j 00:48	12°♎28'00		
evening set	-3814 Oct 26 j 03:54	19°♎25'55		
conjunction	-3814 Nov 11 j 15:12	21°♎22'00	1°35'32	
minimum elong	-3814 Nov 11 j 15:15	21°♎22'00	1°35'28	
max. Earth dist.	-3814 Nov 10 j 23:17	21°♎17'17	11.03612 AU	
morning rise	-3814 Nov 28 j 04:11	23°♎18'37		
	-3813 Feb 14 j 21:39	0°♏		
retrograde	-3813 Mar 10 j 11:46	0°♏26'55		
	-3813 Apr 03 j 08:19	30°℞♎		
opposition	-3813 May 20 j 13:26	27°♎07'13	1°42'50	
min. Earth dist.	-3813 May 21 j 03:14	27°♎04'40	8.98511 AU	
direct	-3813 Jul 29 j 17:37	23°♎48'51		
	-3813 Oct 30 j 05:40	0°♏		
evening set	-3813 Nov 06 j 12:31	0°♏50'30		
max. Earth dist.	-3813 Nov 22 j 11:02	2°♏43'59	10.92857 AU	
conjunction	-3813 Nov 23 j 02:13	2°♏48'32	1°12'00	
minimum elong	-3813 Nov 23 j 02:16	2°♏48'33	1°11'54	
morning rise	-3813 Dec 09 j 18:23	4°♏47'23		
retrograde	-3812 Mar 21 j 22:21	12°♏04'27		
opposition	-3812 May 31 j 23:05	8°♏43'06	1°11'54	
min. Earth dist.	-3812 Jun 01 j 11:52	8°♏40'43	8.86725 AU	
direct	-3812 Aug 09 j 14:24	5°♏24'08		
evening set	-3812 Nov 17 j 03:54	12°♏31'05		
conjunction	-3812 Dec 03 j 20:36	14°♏31'32	0°44'58	
minimum elong	-3812 Dec 03 j 20:38	14°♏31'32	0°44'52	
max. Earth dist.	-3812 Dec 03 j 07:00	14°♏27'25	10.80262 AU	
	-3812 Dec 07 j 18:36	15°♏		
morning rise	-3812 Dec 20 j 16:26	16°♏33'01		
retrograde	-3811 Apr 03 j 19:45	24°♏00'14		
opposition	-3811 Jun 13 j 15:02	20°♏37'07	0°37'01	
min. Earth dist.	-3811 Jun 14 j 02:01	20°♏35'02	8.73341 AU	
direct	-3811 Aug 21 j 16:16	17°♏17'22		
evening set	-3811 Nov 29 j 04:16	24°♏31'12		
max. Earth dist.	-3811 Dec 15 j 11:39	26°♏30'31	10.66305 AU	
conjunction	-3811 Dec 16 j 00:17	26°♏34'23	0°15'20	
minimum elong	-3811 Dec 16 j 00:17	26°♏34'24	0°15'12	
behind sun begin	-3811 Dec 15 j 21:47	26°♏33'38		
behind sun end	-3811 Dec 16 j 02:48	26°♏35'09		
morning rise	-3810 Jan 02 j 00:15	28°♏38'53		
	-3810 Jan 13 j 11:09	0°♐		
retrograde	-3810 Apr 17 j 02:38	6°♐17'19		
desc. node	-3810 Jun 20 j 03:15	3°♐22'04		
opposition	-3810 Jun 26 j 13:58	2°♐52'27	-0°00'40	
min. Earth dist.	-3810 Jun 26 j 23:26	2°♐50'37	8.58890 AU	
	-3810 Aug 10 j 14:03	30°℞♏		
direct	-3810 Sep 02 j 22:53	29°♏31'42		
	-3810 Sep 26 j 01:39	0°♐		
evening set	-3810 Dec 11 j 15:13	6°♐53'58		
conjunction	-3810 Dec 28 j 14:47	9°♐00'10	-0°15'56	
minimum elong	-3810 Dec 28 j 14:46	9°♐00'10	0°16'04	
behind sun begin	-3810 Dec 28 j 14:05	8°♐59'57		
behind sun end	-3810 Dec 28 j 15:27	9°♐00'22		
max. Earth dist.	-3810 Dec 28 j 03:29	8°♐56'39	10.51563 AU	
morning rise	-3809 Jan 14 j 19:08	11°♐07'53		
retrograde	-3809 Apr 30 j 18:09	18°♐58'21		
opposition	-3809 Jul 09 j 20:53	15°♐31'44	-0°39'38	
min. Earth dist.	-3809 Jul 10 j 04:41	15°♐30'13	8.44003 AU	
direct	-3809 Sep 15 j 14:52	12°♐09'50		
evening set	-3809 Dec 24 j 14:03	19°♐41'50		
conjunction	-3808 Jan 10 j 17:27	21°♐51'12	-0°47'15	
minimum elong	-3808 Jan 10 j 17:25	21°♐51'11	0°47'24	
max. Earth dist.	-3808 Jan 10 j 08:48	21°♐48'27	10.36702 AU	
morning rise	-3808 Jan 28 j 02:06	24°♐02'14		
	-3808 Mar 24 j 10:56	0°♑		
retrograde	-3808 May 13 j 20:09	2°♑05'00		
	-3808 Jul 04 j 11:02	30°℞♐		
opposition	-3808 Jul 22 j 11:50	28°♐36'46	-1°17'59	
min. Earth dist.	-3808 Jul 22 j 17:17	28°♐35'41	8.29396 AU	
direct	-3808 Sep 27 j 16:15	25°♐13'35		
	-3808 Dec 12 j 13:21	0°♑		
evening set	-3807 Jan 06 j 02:13	2°♑56'15		
conjunction	-3807 Jan 23 j 09:38	5°♑08'48	-1°17'02	
minimum elong	-3807 Jan 23 j 09:35	5°♑08'47	1°17'12	
max. Earth dist.	-3807 Jan 23 j 04:52	5°♑07'16	10.22470 AU	
morning rise	-3807 Feb 09 j 22:19	7°♑23'06		
retrograde	-3807 May 28 j 08:14	15°♑37'37		
opposition	-3807 Aug 05 j 10:29	12°♑07'58	-1°53'25	
min. Earth dist.	-3807 Aug 05 j 12:46	12°♑07'30	8.15844 AU	
direct	-3807 Oct 11 j 02:10	8°♑43'28		
evening set	-3806 Jan 20 j 04:01	16°♑37'11		
conjunction	-3806 Feb 06 j 15:24	18°♑52'48	-1°43'21	
minimum elong	-3806 Feb 06 j 15:21	18°♑52'47	1°43'30	
max. Earth dist.	-3806 Feb 06 j 14:48	18°♑52'36	10.09665 AU	
morning rise	-3806 Feb 24 j 07:48	21°♑10'06		
retrograde	-3806 Jun 12 j 04:36	29°♑34'56		
opposition	-3806 Aug 19 j 16:19	26°♑04'10	-2°23'23	
min. Earth dist.	-3806 Aug 19 j 14:57	26°♑04'26	8.04136 AU	
direct	-3806 Oct 24 j 21:36	22°♑38'21		
	-3805 Jan 29 j 05:10	0°♒		
evening set	-3805 Feb 03 j 18:43	0°♒42'43		
conjunction	-3805 Feb 21 j 09:52	3°♒01'04	-2°04'11	
minimum elong	-3805 Feb 21 j 09:49	3°♒01'03	2°04'20	
max. Earth dist.	-3805 Feb 21 j 13:25	3°♒02'14	9.99091 AU	
morning rise	-3805 Mar 11 j 05:37	5°♒20'58		
retrograde	-3805 Jun 27 j 06:35	13°♒53'38		
opposition	-3805 Sep 03 j 04:04	10°♒22'09	-2°45'21	
min. Earth dist.	-3805 Sep 02 j 23:21	10°♒23'07	7.95034 AU	
direct	-3805 Nov 08 j 02:31	6°♒55'06		
	-3804 Feb 17 j 17:38	15°♒		
evening set	-3804 Feb 18 j 20:53	15°♒08'50		
conjunction	-3804 Mar 07 j 15:40	17°♒29'27	-2°17'43	
minimum elong	-3804 Mar 07 j 15:38	17°♒29'26	2°17'51	
max. Earth dist.	-3804 Mar 07 j 23:08	17°♒31'55	9.91483 AU	
morning rise	-3804 Mar 25 j 14:25	19°♒51'21		
retrograde	-3804 Jul 11 j 11:14	28°♒28'21		
opposition	-3804 Sep 16 j 19:42	24°♒56'38	-2°57'09	

Attention, astronomical year style is used: The year -3804 in astronomical counting style is the year 3805 BCE in historical counting style.

min. Earth dist.	-3804 Sep 16 j 12:15	24°♒58'11	7.89181 AU
direct	-3804 Nov 21 j 14:50	21°♒28'28	
evening set	-3803 Mar 05 j 07:37	29°♒49'22	
	-3803 Mar 06 j 16:10	0°♓	
conjunction	-3803 Mar 23 j 05:46	2°♓11'35	-2°22'34
minimum elong	-3803 Mar 23 j 05:47	2°♓11'36	2°22'40
max. Earth dist.	-3803 Mar 23 j 16:39	2°♓15'12	9.87402 AU
morning rise	-3803 Apr 10 j 07:00	4°♓34'46	
retrograde	-3803 Jul 26 j 15:40	13°♓12'00	
opposition	-3803 Oct 01 j 13:03	9°♓40'31	-2°57'27
min. Earth dist.	-3803 Oct 01 j 03:35	9°♓42'31	7.87010 AU
direct	-3803 Dec 06 j 09:44	6°♓11'29	
evening set	-3802 Mar 20 j 23:11	14°♓36'33	
conjunction	-3802 Apr 08 j 00:11	16°♓59'34	-2°18'08
minimum elong	-3802 Apr 08 j 00:13	16°♓59'35	2°18'11
max. Earth dist.	-3802 Apr 08 j 13:48	17°♓04'06	9.87162 AU
morning rise	-3802 Apr 26 j 03:06	19°♓23'08	
retrograde	-3802 Aug 10 j 16:05	27°♓56'22	
opposition	-3802 Oct 16 j 05:27	24°♓25'35	-2°46'02
min. Earth dist.	-3802 Oct 15 j 18:27	24°♓27'54	7.88691 AU
direct	-3802 Dec 21 j 08:28	20°♓55'57	
evening set	-3801 Apr 05 j 15:22	29°♓21'46	
	-3801 Apr 10 j 12:50	0°♈	
conjunction	-3801 Apr 23 j 18:30	1°♈44'42	-2°04'41
minimum elong	-3801 Apr 23 j 18:34	1°♈44'43	2°04'42
max. Earth dist.	-3801 Apr 24 j 10:10	1°♈49'53	9.90790 AU
morning rise	-3801 May 11 j 22:12	4°♈07'44	
retrograde	-3801 Aug 25 j 09:39	12°♈33'07	
opposition	-3801 Oct 30 j 18:24	9°♈03'26	-2°23'52
min. Earth dist.	-3801 Oct 30 j 06:11	9°♈05'59	7.94102 AU
direct	-3800 Jan 05 j 08:26	5°♈33'30	
evening set	-3800 Apr 20 j 04:09	13°♈56'41	
conjunction	-3800 May 08 j 08:22	16°♈18'38	-1°43'24
minimum elong	-3800 May 08 j 08:26	16°♈18'39	1°43'22
max. Earth dist.	-3800 May 09 j 01:02	16°♈24'05	9.97990 AU
morning rise	-3800 May 26 j 11:40	18°♈40'12	
retrograde	-3800 Sep 07 j 17:38	26°♈54'48	
opposition	-3800 Nov 13 j 01:51	23°♈26'32	-1°53'00
min. Earth dist.	-3800 Nov 12 j 13:03	23°♈29'11	8.02798 AU
direct	-3799 Jan 19 j 06:23	19°♈56'39	
evening set	-3799 May 05 j 10:02	28°♈14'18	
	-3799 May 19 j 03:40	0°♉	
conjunction	-3799 May 23 j 13:56	0°♉34'23	-1°16'07
minimum elong	-3799 May 23 j 13:59	0°♉34'24	1°16'02
max. Earth dist.	-3799 May 24 j 06:23	0°♉39'43	10.08160 AU
morning rise	-3799 Jun 10 j 15:26	2°♉53'39	
retrograde	-3799 Sep 21 j 15:11	10°♉55'48	
opposition	-3799 Nov 27 j 02:12	7°♉29'09	-1°16'03
min. Earth dist.	-3799 Nov 26 j 13:41	7°♉31'44	8.14087 AU
direct	-3798 Feb 02 j 22:14	3°♉59'38	
evening set	-3798 May 20 j 06:17	12°♉09'41	
conjunction	-3798 Jun 07 j 08:25	14°♉27'13	-0°44'58
minimum elong	-3798 Jun 07 j 08:28	14°♉27'14	0°44'52
max. Earth dist.	-3798 Jun 07 j 23:37	14°♉32'04	10.20504 AU
	-3798 Jun 11 j 15:08	15°♉	
morning rise	-3798 Jun 25 j 06:53	16°♉43'35	
retrograde	-3798 Oct 05 j 03:46	24°♉32'50	
opposition	-3798 Dec 10 j 18:48	21°♉07'58	-0°35'51
min. Earth dist.	-3798 Dec 10 j 07:42	21°♉10'13	8.27154 AU
direct	-3797 Feb 17 j 06:27	17°♉39'07	
evening set	-3797 Jun 03 j 15:21	25°♉40'21	
conjunction	-3797 Jun 21 j 14:22	27°♉54'53	-0°12'09
minimum elong	-3797 Jun 21 j 14:23	27°♉54'53	0°12'01
behind sun begin	-3797 Jun 21 j 09:29	27°♉53'22	
behind sun end	-3797 Jun 21 j 19:16	27°♉56'25	
max. Earth dist.	-3797 Jun 22 j 03:25	27°♉58'59	10.34211 AU
	-3797 Jul 08 j 06:48	0°♊	
morning rise	-3797 Jul 09 j 08:47	0°♊08'00	
retrograde	-3797 Oct 18 j 06:28	7°♊44'44	
asc. node	-3797 Nov 07 j 19:30	7°♊21'41	
opposition	-3797 Dec 24 j 03:31	4°♊21'42	0°04'58
min. Earth dist.	-3797 Dec 23 j 18:43	4°♊23'27	8.41254 AU
direct	-3796 Mar 02 j 06:44	0°♊53'46	
evening set	-3796 Jun 16 j 12:48	8°♊45'37	
conjunction	-3796 Jul 04 j 07:28	10°♊56'50	0°20'29
minimum elong	-3796 Jul 04 j 07:27	10°♊56'50	0°20'37
max. Earth dist.	-3796 Jul 04 j 17:16	10°♊59'52	10.48580 AU
morning rise	-3796 Jul 21 j 21:02	13°♊06'30	
retrograde	-3796 Oct 29 j 21:31	20°♊31'39	
opposition	-3795 Jan 05 j 04:26	17°♊10'22	0°44'09
min. Earth dist.	-3795 Jan 04 j 22:05	17°♊11'38	8.55723 AU
direct	-3795 Mar 16 j 00:10	13°♊43'31	
evening set	-3795 Jun 29 j 22:13	21°♊25'50	
conjunction	-3795 Jul 17 j 11:45	23°♊33'38	0°51'07
minimum elong	-3795 Jul 17 j 11:43	23°♊33'38	0°51'17
max. Earth dist.	-3795 Jul 17 j 18:01	23°♊35'33	10.62961 AU
morning rise	-3795 Aug 03 j 20:08	25°♊39'51	
	-3795 Sep 13 j 00:33	0°♋	
retrograde	-3795 Nov 11 j 04:36	2°♋54'49	
	-3794 Jan 12 j 12:55	30°℞♊	
opposition	-3794 Jan 17 j 22:10	29°♊35'04	1°19'57
min. Earth dist.	-3794 Jan 17 j 17:48	29°♊35'54	8.69906 AU
direct	-3794 Mar 29 j 08:31	26°♊09'23	
	-3794 Jun 08 j 21:49	0°♋	
evening set	-3794 Jul 12 j 19:43	3°♋42'25	
conjunction	-3794 Jul 30 j 03:55	5°♋46'55	1°18'34
minimum elong	-3794 Jul 30 j 03:52	5°♋46'54	1°18'44
max. Earth dist.	-3794 Jul 30 j 07:08	5°♋47'53	10.76714 AU
morning rise	-3794 Aug 16 j 06:59	7°♋49'52	
retrograde	-3794 Nov 23 j 04:56	14°♋56'11	
opposition	-3793 Jan 30 j 09:13	11°♋37'43	1°51'03
min. Earth dist.	-3793 Jan 30 j 06:33	11°♋38'13	8.83171 AU
direct	-3793 Apr 11 j 07:23	8°♋13'16	
evening set	-3793 Jul 25 j 06:30	15°♋37'38	
conjunction	-3793 Aug 11 j 09:28	17°♋39'07	1°41'55
minimum elong	-3793 Aug 11 j 09:25	17°♋39'06	1°42'05
max. Earth dist.	-3793 Aug 11 j 10:32	17°♋39'26	10.89250 AU
morning rise	-3793 Aug 28 j 07:19	19°♋39'07	
retrograde	-3793 Dec 04 j 23:20	26°♋38'27	
opposition	-3792 Feb 11 j 14:34	23°♋21'02	2°16'36
min. Earth dist.	-3792 Feb 11 j 14:26	23°♋21'04	8.94970 AU
direct	-3792 Apr 22 j 22:11	19°♋57'46	
evening set	-3792 Aug 05 j 07:40	27°♋14'24	
conjunction	-3792 Aug 22 j 05:37	29°♋13'13	2°00'32
minimum elong	-3792 Aug 22 j 05:34	29°♋13'12	2°00'41
max. Earth dist.	-3792 Aug 22 j 04:00	29°♋12'44	11.00080 AU
	-3792 Aug 28 j 20:24	0°♌	
morning rise	-3792 Sep 07 j 22:50	1°♌10'43	
retrograde	-3792 Dec 15 j 13:23	8°♌04'48	
opposition	-3791 Feb 22 j 15:35	4°♌48'10	2°36'04
min. Earth dist.	-3791 Feb 22 j 18:28	4°♌47'37	9.04863 AU
direct	-3791 May 05 j 04:56	1°♌26'01	
evening set	-3791 Aug 17 j 00:20	8°♌35'55	

Attention, astronomical year style is used: The year -3791 in astronomical counting style is the year 3792 BCE in historical counting style.

conjunction	-3791 Sep 02 j 17:47	10°♌32'33	2°14'03
minimum elong	-3791 Sep 02 j 17:44	10°♌32'33	2°14'10
max. Earth dist.	-3791 Sep 02 j 12:46	10°♌31'05	11.08825 AU
morning rise	-3791 Sep 19 j 07:19	12°♌28'05	
	-3791 Oct 12 j 12:08	15°♌	
retrograde	-3791 Dec 26 j 22:41	19°♌18'42	
opposition	-3790 Mar 06 j 13:06	16°♌02'31	2°49'10
min. Earth dist.	-3790 Mar 06 j 18:26	16°♌01'32	9.12507 AU
	-3790 Mar 20 j 20:56	15°℞♌	
direct	-3790 May 17 j 06:38	12°♌41'24	
	-3790 Jul 11 j 15:04	15°♌	
evening set	-3790 Aug 28 j 10:17	19°♌45'47	
conjunction	-3790 Sep 14 j 00:09	21°♌40'47	2°22'15
minimum elong	-3790 Sep 14 j 00:08	21°♌40'46	2°22'20
max. Earth dist.	-3790 Sep 13 j 16:34	21°♌38'34	11.15201 AU
morning rise	-3790 Sep 30 j 10:54	23°♌34'53	
	-3790 Dec 16 j 11:30	0°♍	
retrograde	-3789 Jan 07 j 08:44	0°♍23'45	
	-3789 Jan 29 j 12:30	30°℞♌	
opposition	-3789 Mar 18 j 08:05	27°♌07'44	2°55'46
min. Earth dist.	-3789 Mar 18 j 14:52	27°♌06'29	9.17644 AU
direct	-3789 May 29 j 04:06	23°♌47'33	
	-3789 Sep 01 j 13:13	0°♍	
evening set	-3789 Sep 08 j 15:04	0°♍47'41	
conjunction	-3789 Sep 25 j 02:27	2°♍41'38	2°25'04
minimum elong	-3789 Sep 25 j 02:27	2°♍41'38	2°25'08
max. Earth dist.	-3789 Sep 24 j 17:32	2°♍39'03	11.18996 AU
morning rise	-3789 Oct 11 j 11:13	4°♍34'54	
retrograde	-3788 Jan 18 j 18:12	11°♍23'42	
opposition	-3788 Mar 29 j 02:15	8°♍07'35	2°55'53
min. Earth dist.	-3788 Mar 29 j 10:26	8°♍06'06	9.20104 AU
direct	-3788 Jun 08 j 19:25	4°♍48'13	
evening set	-3788 Sep 18 j 16:26	11°♍45'25	
conjunction	-3788 Oct 05 j 02:10	13°♍38'53	2°22'32
minimum elong	-3788 Oct 05 j 02:11	13°♍38'53	2°22'35
max. Earth dist.	-3788 Oct 04 j 15:39	13°♍35'50	11.20090 AU
morning rise	-3788 Oct 21 j 10:07	15°♍31'55	
retrograde	-3787 Jan 29 j 05:54	22°♍22'21	
opposition	-3787 Apr 09 j 20:49	19°♍05'54	2°49'37
min. Earth dist.	-3787 Apr 10 j 07:02	19°♍04'02	9.19820 AU
direct	-3787 Jun 20 j 09:27	15°♍47'09	
evening set	-3787 Sep 29 j 16:22	22°♍42'50	
conjunction	-3787 Oct 16 j 01:21	24°♍36'23	2°14'46
minimum elong	-3787 Oct 16 j 01:23	24°♍36'24	2°14'48
max. Earth dist.	-3787 Oct 15 j 12:31	24°♍32'39	11.18460 AU
morning rise	-3787 Nov 01 j 09:43	26°♍29'48	
	-3787 Dec 04 j 16:53	0°♎	
retrograde	-3786 Feb 09 j 19:04	3°♎23'29	
opposition	-3786 Apr 21 j 16:37	0°♎06'24	2°37'08
min. Earth dist.	-3786 Apr 22 j 04:20	0°♎04'16	9.16803 AU
	-3786 Apr 23 j 03:42	30°℞♍	
direct	-3786 Jul 01 j 21:38	26°♍48'05	
	-3786 Sep 05 j 01:13	0°♎	
evening set	-3786 Oct 10 j 16:26	3°♎43'41	
conjunction	-3786 Oct 27 j 01:49	5°♎37'54	2°01'58
minimum elong	-3786 Oct 27 j 01:51	5°♎37'55	2°01'58
max. Earth dist.	-3786 Oct 26 j 12:13	5°♎33'56	11.14145 AU
morning rise	-3786 Nov 12 j 11:28	7°♎32'15	
retrograde	-3785 Feb 21 j 14:10	14°♎30'51	
opposition	-3785 May 03 j 15:04	11°♎12'53	2°18'42
min. Earth dist.	-3785 May 04 j 02:58	11°♎10'42	9.11130 AU
direct	-3785 Jul 13 j 12:25	7°♎54'46	
evening set	-3785 Oct 21 j 18:36	14°♎51'46	
conjunction	-3785 Nov 07 j 05:18	16°♎47'12	1°44'26
minimum elong	-3785 Nov 07 j 05:21	16°♎47'13	1°44'23
max. Earth dist.	-3785 Nov 06 j 16:06	16°♎43'19	11.07261 AU
morning rise	-3785 Nov 23 j 16:56	18°♎43'01	
retrograde	-3784 Mar 04 j 16:24	25°♎48'04	
opposition	-3784 May 14 j 17:23	22°♎29'00	1°54'43
min. Earth dist.	-3784 May 15 j 04:52	22°♎26'53	9.02982 AU
direct	-3784 Jul 24 j 03:15	19°♎10'54	
evening set	-3784 Nov 01 j 01:00	26°♎10'47	
conjunction	-3784 Nov 17 j 13:38	28°♎07'54	1°22'34
minimum elong	-3784 Nov 17 j 13:40	28°♎07'55	1°22'30
max. Earth dist.	-3784 Nov 17 j 00:03	28°♎03'52	10.98044 AU
	-3784 Dec 03 j 08:36	0°♏	
morning rise	-3784 Dec 04 j 04:12	0°♏05'43	
retrograde	-3783 Mar 17 j 00:02	7°♏18'44	
opposition	-3783 May 27 j 00:40	3°♏58'21	1°25'41
min. Earth dist.	-3783 May 27 j 12:12	3°♏56'12	8.92652 AU
direct	-3783 Aug 04 j 20:10	0°♏39'59	
evening set	-3783 Nov 12 j 13:23	7°♏44'21	
conjunction	-3783 Nov 29 j 04:34	9°♏43'37	0°56'55
minimum elong	-3783 Nov 29 j 04:36	9°♏43'38	0°56'49
max. Earth dist.	-3783 Nov 28 j 14:49	9°♏39'29	10.86817 AU
morning rise	-3783 Dec 15 j 22:48	11°♏43'51	
	-3782 Jan 14 j 13:05	15°♏	
retrograde	-3782 Mar 29 j 16:32	19°♏06'14	
opposition	-3782 Jun 08 j 13:49	15°♏44'22	0°52'20
min. Earth dist.	-3782 Jun 09 j 01:05	15°♏42'15	8.80509 AU
	-3782 Jun 18 j 11:41	15°℞♏	
direct	-3782 Aug 16 j 20:14	12°♏25'27	
	-3782 Oct 11 j 23:10	15°♏	
evening set	-3782 Nov 24 j 09:39	19°♏35'51	
conjunction	-3782 Dec 11 j 03:59	21°♏37'40	0°28'16
minimum elong	-3782 Dec 11 j 04:00	21°♏37'40	0°28'09
max. Earth dist.	-3782 Dec 10 j 15:31	21°♏33'51	10.73976 AU
morning rise	-3782 Dec 28 j 02:08	23°♏40'41	
	-3781 Mar 03 j 18:29	0°♐	
retrograde	-3781 Apr 11 j 17:52	1°♐13'37	
	-3781 May 21 j 11:10	30°℞♏	
opposition	-3781 Jun 21 j 09:34	27°♏50'08	0°15'43
min. Earth dist.	-3781 Jun 21 j 19:31	27°♏48'15	8.67010 AU
direct	-3781 Aug 29 j 01:17	24°♏30'28	
	-3781 Nov 21 j 07:05	0°♐	
desc. node	-3781 Nov 24 j 02:25	0°♐19'15	
evening set	-3781 Dec 06 j 15:36	1°♐48'23	
conjunction	-3781 Dec 23 j 13:32	3°♐53'01	-0°02'30
minimum elong	-3781 Dec 23 j 13:32	3°♐53'01	0°02'38
behind sun begin	-3781 Dec 23 j 06:28	3°♐50'52	
behind sun end	-3781 Dec 23 j 20:36	3°♐55'11	
max. Earth dist.	-3781 Dec 23 j 03:24	3°♐49'55	10.60016 AU
morning rise	-3780 Jan 09 j 15:45	5°♐59'05	
retrograde	-3780 Apr 24 j 05:07	13°♐43'32	
opposition	-3780 Jul 03 j 12:44	10°♐18'20	-0°22'51
min. Earth dist.	-3780 Jul 03 j 20:19	10°♐16'52	8.52692 AU
direct	-3780 Sep 09 j 13:52	6°♐57'40	
evening set	-3780 Dec 18 j 08:49	14°♐24'27	
conjunction	-3779 Jan 04 j 10:31	16°♐32'09	-0°33'52
minimum elong	-3779 Jan 04 j 10:29	16°♐32'09	0°34'01
max. Earth dist.	-3779 Jan 04 j 02:19	16°♐29'35	10.45493 AU
morning rise	-3779 Jan 21 j 16:57	18°♐41'25	
retrograde	-3779 May 08 j 03:37	26°♐37'51	

Attention, astronomical year style is used: The year -3779 in astronomical counting style is the year 3780 BCE in historical counting style.

opposition	-3779 Jul	16 j 23:39	23°♐11'00	-1°01'38
min. Earth dist.	-3779 Jul	17 j 05:04	23°♐09'56	8.38134 AU
direct	-3779 Sep	22 j 09:55	19°♐49'07	
evening set	-3779 Dec	31 j 14:47	27°♐25'59	
conjunction	-3778 Jan	17 j 20:14	29°♐36'50	-1°04'29
minimum elong	-3778 Jan	17 j 20:11	29°♐36'49	1°04'38
max. Earth dist.	-3778 Jan	17 j 13:41	29°♐34'44	10.31022 AU
	-3778 Jan	20 j 20:56	0°♑	
morning rise	-3778 Feb	04 j 06:53	1°♑49'22	
retrograde	-3778 May	22 j 11:34	9°♑57'42	
opposition	-3778 Jul	30 j 18:19	6°♑29'21	-1°38'31
min. Earth dist.	-3778 Jul	30 j 21:43	6°♑28'40	8.24015 AU
direct	-3778 Oct	05 j 14:16	3°♑06'06	
evening set	-3777 Jan	14 j 10:01	10°♑53'54	
conjunction	-3777 Jan	31 j 19:17	13°♑07'51	-1°32'29
minimum elong	-3777 Jan	31 j 19:14	13°♑07'50	1°32'38
max. Earth dist.	-3777 Jan	31 j 15:12	13°♑06'32	10.17379 AU
morning rise	-3777 Feb	18 j 09:56	15°♑23'32	
retrograde	-3777 Jun	06 j 03:24	23°♑42'55	
opposition	-3777 Aug	13 j 20:40	20°♑13'16	-2°11'06
min. Earth dist.	-3777 Aug	13 j 21:50	20°♑13'01	8.11191 AU
direct	-3777 Oct	19 j 05:39	16°♑48'35	
evening set	-3776 Jan	28 j 18:21	24°♑47'19	
conjunction	-3776 Feb	15 j 07:32	27°♑04'10	-1°55'53
minimum elong	-3776 Feb	15 j 07:29	27°♑04'09	1°56'02
max. Earth dist.	-3776 Feb	15 j 07:17	27°♑04'05	10.05461 AU
morning rise	-3776 Mar	04 j 01:50	29°♑22'40	
	-3776 Mar	08 j 23:06	0°♒	
retrograde	-3776 Jun	20 j 01:31	7°♒51'09	
opposition	-3776 Aug	27 j 05:25	4°♒20'27	-2°36'48
min. Earth dist.	-3776 Aug	27 j 03:47	4°♒20'47	8.00532 AU
direct	-3776 Nov	01 j 07:10	0°♒54'20	
evening set	-3775 Feb	11 j 15:01	9°♒03'08	
conjunction	-3775 Mar	01 j 08:02	11°♒22'31	-2°12'48
minimum elong	-3775 Mar	01 j 08:00	11°♒22'30	2°12'55
max. Earth dist.	-3775 Mar	01 j 12:04	11°♒23'51	9.96098 AU
morning rise	-3775 Mar	19 j 05:30	13°♒43'20	
	-3775 Mar	29 j 06:07	15°♒	
retrograde	-3775 Jul	05 j 03:31	22°♒17'50	
opposition	-3775 Sep	10 j 18:48	18°♒46'29	-2°53'17
min. Earth dist.	-3775 Sep	10 j 14:03	18°♒47'28	7.92777 AU
direct	-3775 Nov	15 j 16:14	15°♒19'00	
evening set	-3774 Feb	26 j 21:28	23°♒36'04	
conjunction	-3774 Mar	16 j 18:06	25°♒57'25	-2°21'36
minimum elong	-3774 Mar	16 j 18:06	25°♒57'25	2°21'42
max. Earth dist.	-3774 Mar	17 j 02:25	26°♒00'10	9.89965 AU
morning rise	-3774 Apr	03 j 18:11	28°♒19'52	
	-3774 Apr	16 j 20:26	0°♓	
retrograde	-3774 Jul	20 j 07:24	6°♓56'37	
opposition	-3774 Sep	25 j 10:54	3°♓25'02	-2°58'48
min. Earth dist.	-3774 Sep	25 j 03:07	3°♓26'40	7.88476 AU
	-3774 Nov	22 j 10:03	30°♒℞	
direct	-3774 Nov	30 j 07:48	29°♒56'22	
	-3774 Dec	08 j 05:36	0°♓	
evening set	-3773 Mar	14 j 10:14	8°♓19'03	
conjunction	-3773 Apr	01 j 10:05	10°♓41'38	-2°21'19
minimum elong	-3773 Apr	01 j 10:07	10°♓41'38	2°21'23
max. Earth dist.	-3773 Apr	01 j 22:14	10°♓45'40	9.87510 AU
morning rise	-3773 Apr	19 j 12:11	13°♓04'56	
retrograde	-3773 Aug	04 j 09:26	21°♓39'44	
opposition	-3773 Oct	10 j 03:15	18°♓08'25	-2°52'36
min. Earth dist.	-3773 Oct	09 j 17:00	18°♓10'34	7.87930 AU
direct	-3773 Dec	15 j 04:12	14°♓38'50	
evening set	-3772 Mar	29 j 01:48	23°♓03'57	
conjunction	-3772 Apr	16 j 04:14	25°♓26'56	-2°11'50
minimum elong	-3772 Apr	16 j 04:17	25°♓26'57	2°11'51
max. Earth dist.	-3772 Apr	16 j 19:02	25°♓31'50	9.88899 AU
morning rise	-3772 May	04 j 07:33	27°♓50'11	
	-3772 May	21 j 11:14	0°♈	
retrograde	-3772 Aug	18 j 06:02	6°♈19'00	
opposition	-3772 Oct	23 j 17:13	2°♈48'25	-2°35'08
min. Earth dist.	-3772 Oct	23 j 05:42	2°♈50'50	7.91160 AU
	-3772 Dec	01 j 18:15	30°♓℞	
direct	-3772 Dec	29 j 02:39	29°♓18'13	
	-3771 Jan	25 j 10:36	0°♈	
evening set	-3771 Apr	13 j 15:57	7°♈42'29	
conjunction	-3771 May	01 j 19:55	10°♈04'57	-1°53'55
minimum elong	-3771 May	01 j 19:59	10°♈04'58	1°53'54
max. Earth dist.	-3771 May	02 j 11:56	10°♈10'13	9.93998 AU
morning rise	-3771 May	19 j 23:25	12°♈27'14	
retrograde	-3771 Sep	01 j 18:36	20°♈46'45	
opposition	-3771 Nov	07 j 02:54	17°♈17'20	-2°07'56
min. Earth dist.	-3771 Nov	06 j 15:04	17°♈19'48	7.97908 AU
direct	-3770 Jan	13 j 00:33	13°♈46'54	
evening set	-3770 Apr	29 j 00:40	22°♈07'10	
conjunction	-3770 May	17 j 04:54	24°♈28'14	-1°29'06
minimum elong	-3770 May	17 j 04:57	24°♈28'15	1°29'03
max. Earth dist.	-3770 May	17 j 20:56	24°♈33'27	10.02412 AU
morning rise	-3770 Jun	04 j 07:21	26°♈48'41	
	-3770 Jun	30 j 15:12	0°♉	
retrograde	-3770 Sep	15 j 20:55	4°♉56'40	
opposition	-3770 Nov	21 j 06:21	1°♉28'44	-1°33'24
min. Earth dist.	-3770 Nov	20 j 18:49	1°♉31'07	8.07691 AU
	-3770 Dec	09 j 18:17	30°♓℞	
direct	-3769 Jan	27 j 18:42	27°♈58'26	
	-3769 Mar	17 j 05:31	0°♉	
evening set	-3769 May	14 j 01:12	6°♉12'13	
conjunction	-3769 Jun	01 j 04:17	8°♉31'06	-0°59'26
minimum elong	-3769 Jun	01 j 04:20	8°♉31'07	0°59'21
max. Earth dist.	-3769 Jun	01 j 19:14	8°♉35'54	10.13544 AU
morning rise	-3769 Jun	19 j 04:27	10°♉48'58	
	-3769 Jul	25 j 06:05	15°♉	
retrograde	-3769 Sep	29 j 13:08	18°♉44'16	
opposition	-3769 Dec	05 j 02:16	15°♉18'02	-0°54'20
min. Earth dist.	-3769 Dec	04 j 15:26	15°♉20'14	8.19849 AU
	-3769 Dec	08 j 18:40	15°♓℞	
direct	-3768 Feb	11 j 07:06	11°♉48'14	
	-3768 Apr	13 j 19:42	15°♉	
evening set	-3768 May	27 j 15:23	19°♉53'47	
conjunction	-3768 Jun	14 j 15:56	22°♉09'51	-0°27'06
minimum elong	-3768 Jun	14 j 15:58	22°♉09'51	0°27'00
max. Earth dist.	-3768 Jun	15 j 05:02	22°♉14'00	10.26661 AU
morning rise	-3768 Jul	02 j 12:35	24°♉24'37	
	-3768 Aug	23 j 17:46	0°♊	
retrograde	-3768 Oct	11 j 18:45	2°♊07'06	
	-3768 Dec	01 j 04:27	30°♓℞	
opposition	-3768 Dec	17 j 14:20	28°♉42'40	-0°13'29
min. Earth dist.	-3768 Dec	17 j 04:08	28°♉44'43	8.33624 AU
direct	-3767 Feb	24 j 12:13	25°♉13'44	
asc. node	-3767 Apr	21 j 22:32	27°♉49'09	
	-3767 May	14 j 09:03	0°♊	
evening set	-3767 Jun	10 j 17:51	3°♊10'00	

Attention, astronomical year style is used: The year -3767 in astronomical counting style is the year 3768 BCE in historical counting style.

conjunction	-3767 Jun	28 j 14:38	5°♊22'50	0°05'53
minimum elong	-3767 Jun	28 j 14:38	5°♊22'50	0°06'01
behind sun begin	-3767 Jun	28 j 07:44	5°♊20'42	
behind sun end	-3767 Jun	28 j 21:31	5°♊24'57	
max. Earth dist.	-3767 Jun	29 j 02:02	5°♊26'22	10.40974 AU
morning rise	-3767 Jul	16 j 06:40	7°♊34'10	
retrograde	-3767 Oct	24 j 14:23	15°♊04'32	
opposition	-3767 Dec	30 j 18:28	11°♊41'57	0°26'42
min. Earth dist.	-3767 Dec	30 j 09:32	11°♊43'43	8.48238 AU
direct	-3766 Mar	10 j 08:43	8°♊14'08	
evening set	-3766 Jun	24 j 08:16	16°♊00'45	
conjunction	-3766 Jul	12 j 00:24	18°♊10'10	0°37'31
minimum elong	-3766 Jul	12 j 00:22	18°♊10'09	0°37'40
max. Earth dist.	-3766 Jul	12 j 09:50	18°♊13'04	10.55719 AU
morning rise	-3766 Jul	29 j 11:12	20°♊17'59	
retrograde	-3766 Nov	06 j 02:51	27°♊37'25	
opposition	-3765 Jan	12 j 14:58	24°♊16'36	1°04'12
min. Earth dist.	-3765 Jan	12 j 08:17	24°♊17'54	8.62947 AU
direct	-3765 Mar	23 j 18:32	20°♊50'04	
evening set	-3765 Jul	07 j 10:53	28°♊27'12	
	-3765 Jul	20 j 08:03	0°♋	
conjunction	-3765 Jul	24 j 21:45	0°♋33'14	1°06'33
minimum elong	-3765 Jul	24 j 21:42	0°♋33'13	1°06'43
max. Earth dist.	-3765 Jul	25 j 04:20	0°♋35'14	10.70172 AU
morning rise	-3765 Aug	11 j 03:10	2°♋37'39	
retrograde	-3765 Nov	18 j 05:45	9°♋47'38	
opposition	-3764 Jan	25 j 04:43	6°♋28'27	1°37'33
min. Earth dist.	-3764 Jan	25 j 01:01	6°♋29'09	8.77055 AU
direct	-3764 Apr	04 j 20:25	3°♋03'18	
evening set	-3764 Jul	19 j 02:26	10°♋31'31	
conjunction	-3764 Aug	05 j 07:44	12°♋34'20	1°31'50
minimum elong	-3764 Aug	05 j 07:41	12°♋34'19	1°32'00
max. Earth dist.	-3764 Aug	05 j 10:29	12°♋35'09	10.83683 AU
morning rise	-3764 Aug	22 j 07:57	14°♋35'38	
retrograde	-3764 Nov	29 j 01:21	21°♋37'53	
opposition	-3763 Feb	05 j 12:31	18°♋20'04	2°05'41
min. Earth dist.	-3763 Feb	05 j 11:12	18°♋20'19	8.89952 AU
direct	-3763 Apr	17 j 15:40	14°♋56'20	
evening set	-3763 Jul	31 j 07:49	22°♋16'24	
conjunction	-3763 Aug	17 j 07:52	24°♋16'20	1°52'39
minimum elong	-3763 Aug	17 j 07:49	24°♋16'20	1°52'48
max. Earth dist.	-3763 Aug	17 j 07:26	24°♋16'13	10.95713 AU
morning rise	-3763 Sep	03 j 03:17	26°♋14'55	
	-3763 Oct	08 j 10:32	0°♌	
retrograde	-3763 Dec	10 j 18:04	3°♌11'11	
	-3762 Feb	16 j 09:31	30°℞♋	
opposition	-3762 Feb	17 j 15:20	29°♋54'26	2°27'55
min. Earth dist.	-3762 Feb	17 j 15:53	29°♋54'19	9.01126 AU
direct	-3762 Apr	30 j 02:28	26°♋32'03	
	-3762 Jul	07 j 16:11	0°♌	
evening set	-3762 Aug	12 j 04:10	3°♌44'54	
conjunction	-3762 Aug	28 j 23:40	5°♌42'27	2°08'30
minimum elong	-3762 Aug	28 j 23:38	5°♌42'26	2°08'37
max. Earth dist.	-3762 Aug	28 j 21:06	5°♌41'42	11.05800 AU
morning rise	-3762 Sep	14 j 14:50	7°♌38'47	
retrograde	-3762 Dec	22 j 06:07	14°♌30'46	
opposition	-3761 Mar	01 j 14:17	11°♌14'46	2°43'54
min. Earth dist.	-3761 Mar	01 j 17:00	11°♌14'15	9.10148 AU
direct	-3761 May	12 j 06:03	7°♌53'38	
evening set	-3761 Aug	23 j 17:19	15°♌00'23	
	-3761 Aug	23 j 15:57	15°♌	
conjunction	-3761 Sep	09 j 08:51	16°♌56'02	2°19'06
minimum elong	-3761 Sep	09 j 08:50	16°♌56'02	2°19'12
max. Earth dist.	-3761 Sep	09 j 03:55	16°♌54'36	11.13567 AU
morning rise	-3761 Sep	25 j 20:36	18°♌50'40	
retrograde	-3760 Jan	02 j 17:04	25°♌40'04	
opposition	-3760 Mar	12 j 10:33	22°♌24'30	2°53'25
min. Earth dist.	-3760 Mar	12 j 16:22	22°♌23'26	9.16691 AU
direct	-3760 May	23 j 04:34	19°♌04'27	
evening set	-3760 Sep	03 j 00:42	26°♌06'19	
conjunction	-3760 Sep	19 j 13:01	28°♌00'37	2°24'21
minimum elong	-3760 Sep	19 j 13:00	28°♌00'37	2°24'25
max. Earth dist.	-3760 Sep	19 j 04:37	27°♌58'11	11.18741 AU
morning rise	-3760 Oct	05 j 22:32	29°♌54'08	
	-3760 Oct	06 j 19:12	0°♍	
retrograde	-3759 Jan	13 j 00:58	6°♍42'39	
opposition	-3759 Mar	24 j 05:22	3°♍27'10	2°56'26
min. Earth dist.	-3759 Mar	24 j 13:45	3°♍25'38	9.20507 AU
direct	-3759 Jun	03 j 22:00	0°♍07'58	
evening set	-3759 Sep	14 j 03:39	7°♍06'16	
conjunction	-3759 Sep	30 j 13:52	8°♍59'48	2°24'12
minimum elong	-3759 Sep	30 j 13:53	8°♍59'48	2°24'16
max. Earth dist.	-3759 Sep	30 j 02:56	8°♍56'38	11.21107 AU
morning rise	-3759 Oct	16 j 22:11	10°♍52'49	
retrograde	-3758 Jan	24 j 11:51	17°♍42'13	
opposition	-3758 Apr	04 j 23:42	14°♍26'27	2°53'01
min. Earth dist.	-3758 Apr	05 j 09:38	14°♍24'39	9.21403 AU
direct	-3758 Jun	15 j 15:04	11°♍07'55	
evening set	-3758 Sep	25 j 04:19	18°♍04'05	
conjunction	-3758 Oct	11 j 13:35	19°♍57'29	2°18'46
minimum elong	-3758 Oct	11 j 13:37	19°♍57'29	2°18'48
max. Earth dist.	-3758 Oct	11 j 01:28	19°♍53'57	11.20526 AU
morning rise	-3758 Oct	27 j 21:34	21°♍50'35	
retrograde	-3757 Feb	05 j 01:45	28°♍42'33	
opposition	-3757 Apr	16 j 18:51	25°♍26'14	2°43'19
min. Earth dist.	-3757 Apr	17 j 06:01	25°♍24'12	9.19325 AU
direct	-3757 Jun	27 j 04:04	22°♍08'09	
evening set	-3757 Oct	06 j 04:30	29°♍03'40	
	-3757 Oct	14 j 08:09	0°♎	
conjunction	-3757 Oct	22 j 13:40	0°♎57'30	2°08'12
minimum elong	-3757 Oct	22 j 13:42	0°♎57'31	2°08'13
max. Earth dist.	-3757 Oct	21 j 23:52	0°♎53'29	11.17040 AU
morning rise	-3757 Nov	07 j 22:27	2°♎51'20	
retrograde	-3756 Feb	16 j 18:30	9°♎47'33	
opposition	-3756 Apr	27 j 16:28	6°♎30'21	2°27'32
min. Earth dist.	-3756 Apr	28 j 05:09	6°♎28'02	9.14401 AU
direct	-3756 Jul	07 j 16:41	3°♎12'25	
evening set	-3756 Oct	16 j 05:54	10°♎08'45	
conjunction	-3756 Nov	01 j 15:48	12°♎03'35	1°52'45
minimum elong	-3756 Nov	01 j 15:50	12°♎03'36	1°52'43
max. Earth dist.	-3756 Nov	01 j 00:21	11°♎59'03	11.10829 AU
morning rise	-3756 Nov	18 j 02:29	13°♎58'41	
retrograde	-3755 Feb	27 j 16:25	21°♎00'46	
opposition	-3755 May	09 j 17:25	17°♎42'23	2°06'00
min. Earth dist.	-3755 May	10 j 07:09	17°♎39'52	9.06850 AU
direct	-3755 Jul	19 j 07:44	14°♎24'20	
evening set	-3755 Oct	27 j 10:29	21°♎22'58	
conjunction	-3755 Nov	12 j 22:07	23°♎19'19	1°32'46
minimum elong	-3755 Nov	12 j 22:10	23°♎19'20	1°32'42
max. Earth dist.	-3755 Nov	12 j 06:37	23°♎14'44	11.02128 AU
morning rise	-3755 Nov	29 j 11:26	25°♎16'14	
	-3754 Jan	14 j 19:10	0°♏	

Attention, astronomical year style is used: The year -3754 in astronomical counting style is the year 3755 BCE in historical counting style.

retrograde	-3754 Mar 11 j 20:25	2°♏25'42	
	-3754 May 09 j 14:16	30°℞♎	
opposition	-3754 May 21 j 22:26	29°♎05'51	1°39'10
min. Earth dist.	-3754 May 22 j 11:47	29°♎03'22	8.96951 AU
direct	-3754 Jul 31 j 01:26	25°♎47'26	
	-3754 Oct 13 j 06:25	0°♏	
evening set	-3754 Nov 07 j 20:06	2°♏49'56	
conjunction	-3754 Nov 24 j 10:13	4°♏48'17	1°08'44
minimum elong	-3754 Nov 24 j 10:16	4°♏48'18	1°08'39
max. Earth dist.	-3754 Nov 23 j 19:47	4°♏43'58	10.91241 AU
morning rise	-3754 Dec 11 j 02:42	6°♏47'27	
retrograde	-3753 Mar 24 j 10:31	14°♏05'47	
opposition	-3753 Jun 03 j 08:59	10°♏44'18	1°07'39
min. Earth dist.	-3753 Jun 03 j 21:03	10°♏42'02	8.85059 AU
direct	-3753 Aug 11 j 23:14	7°♏25'18	
evening set	-3753 Nov 19 j 12:40	14°♏33'11	
	-3753 Nov 23 j 06:39	15°♏	
conjunction	-3753 Dec 06 j 05:40	16°♏33'57	0°41'19
minimum elong	-3753 Dec 06 j 05:42	16°♏33'58	0°41'13
max. Earth dist.	-3753 Dec 05 j 16:04	16°♏29'50	10.78570 AU
morning rise	-3753 Dec 23 j 01:55	18°♏35'48	
retrograde	-3752 Apr 05 j 08:10	26°♏04'19	
opposition	-3752 Jun 15 j 02:01	22°♏41'05	0°32'21
min. Earth dist.	-3752 Jun 15 j 12:47	22°♏39'03	8.71636 AU
direct	-3752 Aug 23 j 00:14	19°♏21'16	
evening set	-3752 Nov 30 j 14:16	26°♏36'09	
conjunction	-3752 Dec 17 j 10:33	28°♏39'40	0°11'25
minimum elong	-3752 Dec 17 j 10:33	28°♏39'40	0°11'18
behind sun begin	-3752 Dec 17 j 05:20	28°♏38'05	
behind sun end	-3752 Dec 17 j 15:46	28°♏41'15	
max. Earth dist.	-3752 Dec 16 j 21:37	28°♏35'42	10.64617 AU
	-3752 Dec 28 j 08:15	0°♐	
morning rise	-3751 Jan 03 j 11:02	0°♐44'32	
retrograde	-3751 Apr 18 j 14:41	8°♐24'19	
desc. node	-3751 May 04 j 15:59	8°♐11'34	
opposition	-3751 Jun 28 j 02:05	4°♐59'18	-0°05'35
min. Earth dist.	-3751 Jun 28 j 11:44	4°♐57'26	8.57232 AU
direct	-3751 Sep 04 j 09:37	1°♐38'27	
evening set	-3751 Dec 13 j 02:28	9°♐01'49	
conjunction	-3751 Dec 30 j 02:26	11°♐08'22	-0°19'56
minimum elong	-3751 Dec 30 j 02:25	11°♐08'21	0°20'04
max. Earth dist.	-3751 Dec 29 j 15:41	11°♐05'01	10.49959 AU
morning rise	-3750 Jan 16 j 07:14	13°♐16'26	
retrograde	-3750 May 02 j 07:53	21°♐08'13	
opposition	-3750 Jul 11 j 09:51	17°♐41'27	-0°44'33
min. Earth dist.	-3750 Jul 11 j 17:29	17°♐39'58	8.42473 AU
direct	-3750 Sep 17 j 03:04	14°♐19'26	
evening set	-3750 Dec 26 j 02:41	21°♐52'31	
conjunction	-3749 Jan 12 j 06:32	24°♐02'13	-0°51'08
minimum elong	-3749 Jan 12 j 06:30	24°♐02'12	0°51'17
max. Earth dist.	-3749 Jan 11 j 23:08	23°♐59'52	10.35253 AU
morning rise	-3749 Jan 29 j 15:27	26°♐13'34	
	-3749 Mar 03 j 05:04	0°♑	
retrograde	-3749 May 16 j 11:23	4°♑17'30	
opposition	-3749 Jul 25 j 01:31	0°♑49'08	-1°22'38
min. Earth dist.	-3749 Jul 25 j 06:07	0°♑48'13	8.28068 AU
	-3749 Aug 04 j 11:24	30°℞♐	
direct	-3749 Sep 30 j 04:32	27°♐25'50	
	-3749 Nov 23 j 06:13	0°♑	
evening set	-3748 Jan 08 j 16:08	5°♑09'32	
conjunction	-3748 Jan 25 j 23:55	7°♑22'22	-1°20'34
minimum elong	-3748 Jan 25 j 23:52	7°♑22'21	1°20'43
max. Earth dist.	-3748 Jan 25 j 20:21	7°♑21'13	10.21256 AU
morning rise	-3748 Feb 12 j 12:48	9°♑36'54	
retrograde	-3748 May 29 j 23:54	17°♑52'25	
opposition	-3748 Aug 07 j 00:50	14°♑22'37	-1°57'29
min. Earth dist.	-3748 Aug 07 j 01:58	14°♑22'23	8.14791 AU
direct	-3748 Oct 12 j 15:43	10°♑58'00	
evening set	-3747 Jan 21 j 19:03	18°♑52'36	
conjunction	-3747 Feb 08 j 06:42	21°♑08'26	-1°46'16
minimum elong	-3747 Feb 08 j 06:39	21°♑08'25	1°46'25
max. Earth dist.	-3747 Feb 08 j 06:43	21°♑08'27	10.08761 AU
morning rise	-3747 Feb 25 j 23:21	23°♑25'56	
	-3747 Apr 28 j 06:31	0°♒	
retrograde	-3747 Jun 13 j 20:27	1°♒51'24	
	-3747 Jul 31 j 03:25	30°℞♑	
opposition	-3747 Aug 21 j 07:08	28°♑20'32	-2°26'33
min. Earth dist.	-3747 Aug 21 j 05:02	28°♑20'57	8.03417 AU
direct	-3747 Oct 26 j 11:51	24°♑54'35	
	-3746 Jan 12 j 03:12	0°♒	
evening set	-3746 Feb 05 j 10:46	2°♒59'39	
conjunction	-3746 Feb 23 j 02:06	5°♒18'08	-2°06'16
minimum elong	-3746 Feb 23 j 02:03	5°♒18'07	2°06'25
max. Earth dist.	-3746 Feb 23 j 05:39	5°♒19'18	9.98546 AU
morning rise	-3746 Mar 12 j 22:08	7°♒38'10	
	-3746 May 23 j 09:13	15°♒	
retrograde	-3746 Jun 28 j 22:28	16°♒11'01	
	-3746 Aug 04 j 16:52	15°℞♒	
opposition	-3746 Sep 04 j 18:57	12°♒39'29	-2°47'20
min. Earth dist.	-3746 Sep 04 j 14:08	12°♒40'29	7.94686 AU
direct	-3746 Nov 09 j 16:26	9°♒12'17	
	-3745 Feb 01 j 03:01	15°♒	
evening set	-3745 Feb 20 j 13:22	17°♒26'26	
conjunction	-3745 Mar 10 j 08:18	19°♒47'06	-2°18'48
minimum elong	-3745 Mar 10 j 08:17	19°♒47'06	2°18'55
max. Earth dist.	-3745 Mar 10 j 15:32	19°♒49'30	9.91323 AU
morning rise	-3745 Mar 28 j 07:19	22°♒09'04	
	-3745 Jun 15 j 03:34	0°♓	
retrograde	-3745 Jul 14 j 03:16	0°♓45'49	
	-3745 Aug 12 j 03:11	30°℞♒	
opposition	-3745 Sep 19 j 10:30	27°♒14'04	-2°57'48
min. Earth dist.	-3745 Sep 19 j 03:15	27°♒15'35	7.89220 AU
direct	-3745 Nov 24 j 05:36	23°♒45'46	
	-3744 Feb 19 j 08:14	0°♓	
evening set	-3744 Mar 07 j 00:01	2°♓06'44	
conjunction	-3744 Mar 24 j 22:23	4°♓28'56	-2°22'33
minimum elong	-3744 Mar 24 j 22:23	4°♓28'56	2°22'38
max. Earth dist.	-3744 Mar 25 j 09:06	4°♓32'30	9.87631 AU
morning rise	-3744 Apr 11 j 23:50	6°♓52'05	
retrograde	-3744 Jul 28 j 06:48	15°♓28'39	
opposition	-3744 Oct 03 j 03:23	11°♓57'11	-2°56'42
min. Earth dist.	-3744 Oct 02 j 18:02	11°♓59'08	7.87422 AU
direct	-3744 Dec 08 j 01:33	8°♓28'01	
evening set	-3743 Mar 22 j 15:17	16°♓52'50	
conjunction	-3743 Apr 09 j 16:31	19°♓15'46	-2°17'01
minimum elong	-3743 Apr 09 j 16:34	19°♓15'47	2°17'03
max. Earth dist.	-3743 Apr 10 j 06:11	19°♓20'18	9.87751 AU
morning rise	-3743 Apr 27 j 19:35	21°♓39'13	
	-3743 Jul 29 j 00:57	0°♈	
retrograde	-3743 Aug 12 j 05:26	0°♈11'24	
	-3743 Aug 26 j 09:57	30°℞♓	
opposition	-3743 Oct 17 j 19:01	26°♓40'41	-2°43'58
min. Earth dist.	-3743 Oct 17 j 07:49	26°♓43'02	7.89437 AU

Attention, astronomical year style is used: The year -3743 in astronomical counting style is the year 3744 BCE in historical counting style.

direct	-3743 Dec 23 j 00:28	23°♓10'59		
	-3742 Mar 25 j 15:32	0°♈		
evening set	-3742 Apr 07 j 06:49	1°♈36'14		
conjunction	-3742 Apr 25 j 10:09	3°♈59'02	-2°02'35	
minimum elong	-3742 Apr 25 j 10:13	3°♈59'03	2°02'35	
max. Earth dist.	-3742 Apr 26 j 02:10	4°♈04'19	9.91691 AU	
morning rise	-3742 May 13 j 13:50	6°♈21'52		
retrograde	-3742 Aug 26 j 21:18	14°♈45'59		
opposition	-3742 Nov 01 j 07:09	11°♈16'23	-2°20'41	
min. Earth dist.	-3742 Oct 31 j 18:23	11°♈19'03	7.95128 AU	
direct	-3741 Jan 06 j 23:22	7°♈46'29		
evening set	-3741 Apr 22 j 18:32	16°♈08'50		
conjunction	-3741 May 10 j 22:52	18°♈30'35	-1°40'31	
minimum elong	-3741 May 10 j 22:56	18°♈30'36	1°40'29	
max. Earth dist.	-3741 May 11 j 16:14	18°♈36'15	9.99150 AU	
morning rise	-3741 May 29 j 02:00	20°♈51'53		
retrograde	-3741 Sep 10 j 04:29	29°♈05'08		
opposition	-3741 Nov 15 j 13:42	25°♈36'59	-1°48'59	
min. Earth dist.	-3741 Nov 15 j 00:25	25°♈39'44	8.04062 AU	
direct	-3740 Jan 21 j 18:55	22°♈07'10		
	-3740 May 03 j 19:46	0°♉		
evening set	-3740 May 06 j 23:24	0°♉23'49		
conjunction	-3740 May 25 j 03:17	2°♉43'40	-1°12'41	
minimum elong	-3740 May 25 j 03:20	2°♉43'41	1°12'36	
max. Earth dist.	-3740 May 25 j 20:27	2°♉49'12	10.09546 AU	
morning rise	-3740 Jun 12 j 04:30	5°♉02'37		
retrograde	-3740 Sep 23 j 02:48	13°♉03'20		
opposition	-3740 Nov 28 j 13:06	9°♉36'51	-1°11'32	
min. Earth dist.	-3740 Nov 28 j 00:35	9°♉39'25	8.15569 AU	
direct	-3739 Feb 04 j 09:20	6°♉07'24		
evening set	-3739 May 21 j 18:33	14°♉16'19		
	-3739 May 27 j 13:47	15°♉		
conjunction	-3739 Jun 08 j 20:26	16°♉33'33	-0°41'14	
minimum elong	-3739 Jun 08 j 20:28	16°♉33'33	0°41'08	
max. Earth dist.	-3739 Jun 09 j 11:55	16°♉38'28	10.22092 AU	
morning rise	-3739 Jun 26 j 18:33	18°♉49'34		
retrograde	-3739 Oct 06 j 13:40	26°♉37'17		
opposition	-3739 Dec 12 j 04:49	23°♉12'36	-0°31'09	
min. Earth dist.	-3739 Dec 11 j 18:17	23°♉14'43	8.28813 AU	
direct	-3738 Feb 18 j 17:46	19°♉43'49		
evening set	-3738 Jun 05 j 02:14	27°♉43'49		
conjunction	-3738 Jun 23 j 00:47	29°♉57'58	-0°08'23	
minimum elong	-3738 Jun 23 j 00:47	29°♉57'58	0°08'16	
behind sun begin	-3738 Jun 22 j 18:23	29°♉55'59		
behind sun end	-3738 Jun 23 j 07:11	29°♉59'57		
	-3738 Jun 23 j 07:20	0°♊		
max. Earth dist.	-3738 Jun 23 j 13:11	0°♊01'51	10.35914 AU	
morning rise	-3738 Jul 10 j 18:49	2°♊10'42		
asc. node	-3738 Sep 27 j 01:22	9°♊18'17		
retrograde	-3738 Oct 19 j 13:23	9°♊46'00		
opposition	-3738 Dec 25 j 12:30	6°♊23'09	0°09'34	
min. Earth dist.	-3738 Dec 25 j 04:21	6°♊24'46	8.42964 AU	
direct	-3737 Mar 04 j 18:20	2°♊55'18		
evening set	-3737 Jun 18 j 22:14	10°♊45'57		
conjunction	-3737 Jul 06 j 16:23	12°♊56'47	0°24'06	
minimum elong	-3737 Jul 06 j 16:22	12°♊56'47	0°24'14	
max. Earth dist.	-3737 Jul 07 j 01:00	12°♊59'27	10.50251 AU	
morning rise	-3737 Jul 24 j 05:37	15°♊06'05		
retrograde	-3737 Nov 01 j 04:06	22°♊30'03		
opposition	-3736 Jan 07 j 12:21	19°♊08'56	0°48'26	
min. Earth dist.	-3736 Jan 07 j 06:11	19°♊10'08	8.57331 AU	
direct	-3736 Mar 17 j 09:56	15°♊42'11		
evening set	-3736 Jul 01 j 06:24	23°♊23'28		
conjunction	-3736 Jul 18 j 19:30	25°♊30'56	0°54'26	
minimum elong	-3736 Jul 18 j 19:28	25°♊30'55	0°54'35	
max. Earth dist.	-3736 Jul 19 j 01:04	25°♊32'38	10.64463 AU	
morning rise	-3736 Aug 05 j 03:26	27°♊36'49		
	-3736 Aug 25 j 23:21	0°♋		
retrograde	-3736 Nov 12 j 10:54	4°♋50'51		
opposition	-3735 Jan 19 j 05:17	1°♋31'15	1°23'46	
min. Earth dist.	-3735 Jan 19 j 00:52	1°♋32'06	8.71289 AU	
	-3735 Feb 08 j 15:08	30°℞♊		
direct	-3735 Mar 30 j 16:40	28°♊05'43		
	-3735 May 18 j 19:59	0°♋		
evening set	-3735 Jul 14 j 02:55	5°♋37'55		
conjunction	-3735 Jul 31 j 10:44	7°♋42'08	1°21'28	
minimum elong	-3735 Jul 31 j 10:41	7°♋42'07	1°21'38	
max. Earth dist.	-3735 Jul 31 j 13:58	7°♋43'07	10.77949 AU	
morning rise	-3735 Aug 17 j 13:13	9°♋44'48		
retrograde	-3735 Nov 24 j 10:58	16°♋50'31		
opposition	-3734 Jan 31 j 15:56	13°♋32'11	1°54'17	
min. Earth dist.	-3734 Jan 31 j 13:49	13°♋32'36	8.84256 AU	
direct	-3734 Apr 12 j 14:54	10°♋07'53		
evening set	-3734 Jul 26 j 12:57	17°♋31'39		
conjunction	-3734 Aug 12 j 15:28	19°♋32'54	1°44'19	
minimum elong	-3734 Aug 12 j 15:25	19°♋32'53	1°44'28	
max. Earth dist.	-3734 Aug 12 j 16:08	19°♋33'06	10.90159 AU	
morning rise	-3734 Aug 29 j 12:51	21°♋32'41		
retrograde	-3734 Dec 06 j 05:53	28°♋31'41		
opposition	-3733 Feb 12 j 21:02	25°♋14'24	2°19'11	
min. Earth dist.	-3733 Feb 12 j 22:04	25°♋14'12	8.95715 AU	
direct	-3733 Apr 25 j 04:05	21°♋51'15		
evening set	-3733 Aug 07 j 13:35	29°♋07'30		
	-3733 Aug 15 j 02:05	0°♌		
conjunction	-3733 Aug 24 j 11:04	1°♌06'11	2°02'22	
minimum elong	-3733 Aug 24 j 11:01	1°♌06'10	2°02'30	
max. Earth dist.	-3733 Aug 24 j 08:05	1°♌05'18	11.00631 AU	
morning rise	-3733 Sep 10 j 04:03	3°♌03'33		
retrograde	-3733 Dec 17 j 17:48	9°♌57'34		
opposition	-3732 Feb 24 j 21:53	6°♌41'00	2°37'56	
min. Earth dist.	-3732 Feb 25 j 01:39	6°♌40'18	9.05234 AU	
direct	-3732 May 06 j 11:28	3°♌18'57		
evening set	-3732 Aug 18 j 05:58	10°♌28'44		
conjunction	-3732 Sep 03 j 23:04	12°♌25'17	2°15'16	
minimum elong	-3732 Sep 03 j 23:02	12°♌25'16	2°15'23	
max. Earth dist.	-3732 Sep 03 j 17:03	12°♌23'31	11.08992 AU	
morning rise	-3732 Sep 20 j 12:25	14°♌20'45		
	-3732 Sep 26 j 06:40	15°♌		
retrograde	-3732 Dec 28 j 05:12	21°♌11'33		
opposition	-3731 Mar 07 j 19:28	17°♌55'24	2°50'16	
min. Earth dist.	-3731 Mar 08 j 00:49	17°♌54'25	9.12479 AU	
	-3731 Apr 25 j 02:09	15°℞♌		
direct	-3731 May 18 j 14:07	14°♌34'22		
	-3731 Jun 10 j 19:21	15°♌		
evening set	-3731 Aug 29 j 15:44	21°♌38'47		
conjunction	-3731 Sep 15 j 05:29	23°♌33'47	2°22'50	
minimum elong	-3731 Sep 15 j 05:28	23°♌33'47	2°22'55	
max. Earth dist.	-3731 Sep 14 j 21:59	23°♌31'36	11.14969 AU	
morning rise	-3731 Oct 01 j 15:58	25°♌27'54		
	-3731 Nov 15 j 20:15	0°♍		
retrograde	-3730 Jan 08 j 15:13	2°♍17'10		
	-3730 Mar 06 j 01:18	30°℞♌		

Attention, astronomical year style is used: The year -3730 in astronomical counting style is the year 3731 BCE in historical counting style.

opposition	-3730 Mar 19 j 14:52	29°♌01'07	2°56'06
min. Earth dist.	-3730 Mar 19 j 21:47	28°♌59'51	9.17215 AU
direct	-3730 May 30 j 09:24	25°♌41'00	
	-3730 Aug 15 j 22:03	0°♍	
evening set	-3730 Sep 09 j 20:34	2°♍41'20	
conjunction	-3730 Sep 26 j 07:51	4°♍35'20	2°25'00
minimum elong	-3730 Sep 26 j 07:51	4°♍35'20	2°25'04
max. Earth dist.	-3730 Sep 25 j 22:36	4°♍32'39	11.18371 AU
morning rise	-3730 Oct 12 j 16:33	6°♍28'41	
retrograde	-3729 Jan 20 j 01:48	13°♍18'06	
opposition	-3729 Mar 31 j 09:29	10°♍01'56	2°55'25
min. Earth dist.	-3729 Mar 31 j 18:35	10°♍00'16	9.19292 AU
direct	-3729 Jun 11 j 01:56	6°♍42'33	
evening set	-3729 Sep 20 j 22:17	13°♍40'08	
conjunction	-3729 Oct 07 j 07:54	15°♍33'43	2°21'48
minimum elong	-3729 Oct 07 j 07:55	15°♍33'43	2°21'51
max. Earth dist.	-3729 Oct 06 j 20:10	15°♍30'19	11.19096 AU
morning rise	-3729 Oct 23 j 16:00	17°♍26'55	
retrograde	-3728 Jan 31 j 12:40	24°♍18'07	
opposition	-3728 Apr 11 j 04:31	21°♍01'33	2°48'22
min. Earth dist.	-3728 Apr 11 j 15:32	20°♍59'32	9.18651 AU
direct	-3728 Jun 21 j 15:44	17°♍42'45	
evening set	-3728 Sep 30 j 22:35	24°♍38'58	
conjunction	-3728 Oct 17 j 07:39	26°♍32'42	2°13'23
minimum elong	-3728 Oct 17 j 07:41	26°♍32'43	2°13'25
max. Earth dist.	-3728 Oct 16 j 18:33	26°♍28'53	11.17130 AU
morning rise	-3728 Nov 02 j 16:11	28°♍26'20	
	-3728 Nov 16 j 16:47	0°♎	
retrograde	-3727 Feb 11 j 03:20	5°♎21'00	
opposition	-3727 Apr 23 j 01:03	2°♎03'44	2°35'06
min. Earth dist.	-3727 Apr 23 j 12:32	2°♎01'38	9.15313 AU
	-3727 May 23 j 12:15	30°℞♍	
direct	-3727 Jul 03 j 05:58	28°♍45'20	
	-3727 Aug 11 j 21:03	0°♎	
evening set	-3727 Oct 11 j 23:08	5°♎41'36	
conjunction	-3727 Oct 28 j 08:47	7°♎36'05	1°59'57
minimum elong	-3727 Oct 28 j 08:50	7°♎36'05	1°59'56
max. Earth dist.	-3727 Oct 27 j 19:44	7°♎32'15	11.12516 AU
morning rise	-3727 Nov 13 j 18:35	9°♎30'41	
retrograde	-3726 Feb 23 j 00:55	16°♎30'25	
opposition	-3726 May 05 j 00:18	13°♎12'14	2°15'54
min. Earth dist.	-3726 May 05 j 11:46	13°♎10'08	9.09366 AU
direct	-3726 Jul 14 j 20:09	9°♎54'02	
evening set	-3726 Oct 23 j 02:14	16°♎51'48	
conjunction	-3726 Nov 08 j 13:10	18°♎47'32	1°41'49
minimum elong	-3726 Nov 08 j 13:13	18°♎47'33	1°41'45
max. Earth dist.	-3726 Nov 07 j 23:44	18°♎43'34	11.05388 AU
morning rise	-3726 Nov 25 j 01:09	20°♎43'41	
retrograde	-3725 Mar 07 j 02:16	27°♎50'00	
opposition	-3725 May 17 j 03:30	24°♎30'41	1°51'12
min. Earth dist.	-3725 May 17 j 15:14	24°♎28'31	9.01003 AU
direct	-3725 Jul 26 j 10:46	21°♎12'26	
evening set	-3725 Nov 03 j 09:38	28°♎13'18	
	-3725 Nov 18 j 10:24	0°♏	
conjunction	-3725 Nov 19 j 22:29	0°♏10'45	1°19'23
minimum elong	-3725 Nov 19 j 22:31	0°♏10'46	1°19'19
max. Earth dist.	-3725 Nov 19 j 08:17	0°♏06'32	10.95994 AU
morning rise	-3725 Dec 06 j 13:33	2°♏08'56	
retrograde	-3724 Mar 18 j 11:47	9°♏23'21	
opposition	-3724 May 28 j 11:52	6°♏02'42	1°21'31
min. Earth dist.	-3724 May 28 j 23:48	6°♏00'29	8.90531 AU
direct	-3724 Aug 06 j 06:38	2°♏44'09	
evening set	-3724 Nov 13 j 23:02	9°♏49'35	
conjunction	-3724 Nov 30 j 14:37	11°♏49'15	0°53'17
minimum elong	-3724 Nov 30 j 14:39	11°♏49'15	0°53'11
max. Earth dist.	-3724 Nov 30 j 01:19	11°♏45'14	10.84662 AU
morning rise	-3724 Dec 17 j 09:18	13°♏49'53	
	-3724 Dec 27 j 10:39	15°♏	
retrograde	-3723 Mar 31 j 05:06	21°♏13'47	
opposition	-3723 Jun 10 j 02:08	17°♏51'38	0°47'39
min. Earth dist.	-3723 Jun 10 j 13:01	17°♏49'35	8.78329 AU
	-3723 Jul 25 j 21:11	15°℞♏	
direct	-3723 Aug 18 j 06:35	14°♏32'33	
	-3723 Sep 10 j 08:21	15°♏	
evening set	-3723 Nov 25 j 20:39	21°♏44'07	
conjunction	-3723 Dec 12 j 15:31	23°♏46'20	0°24'17
minimum elong	-3723 Dec 12 j 15:32	23°♏46'20	0°24'10
max. Earth dist.	-3723 Dec 12 j 04:12	23°♏42'53	10.71802 AU
morning rise	-3723 Dec 29 j 14:03	25°♏49'45	
	-3722 Feb 05 j 18:42	0°♐	
retrograde	-3722 Apr 13 j 07:56	3°♐24'17	
opposition	-3722 Jun 22 j 22:54	0°♐00'31	0°10'40
min. Earth dist.	-3722 Jun 23 j 07:46	29°♏58'49	8.64866 AU
	-3722 Jun 23 j 01:35	30°℞♏	
direct	-3722 Aug 30 j 13:32	26°♏40'40	
desc. node	-3722 Oct 06 j 05:50	27°♏50'35	
	-3722 Nov 02 j 03:28	0°♐	
evening set	-3722 Dec 08 j 04:09	3°♐59'51	
conjunction	-3722 Dec 25 j 02:31	6°♐04'55	-0°06'40
minimum elong	-3722 Dec 25 j 02:30	6°♐04'54	0°06'47
behind sun begin	-3722 Dec 24 j 19:54	6°♐02'53	
behind sun end	-3722 Dec 25 j 09:06	6°♐06'56	
max. Earth dist.	-3722 Dec 24 j 17:01	6°♐01'59	10.57926 AU
morning rise	-3721 Jan 11 j 05:09	8°♐11'23	
retrograde	-3721 Apr 26 j 21:47	15°♐57'22	
opposition	-3721 Jul 06 j 03:14	12°♐31'57	-0°28'03
min. Earth dist.	-3721 Jul 06 j 09:53	12°♐30'39	8.50698 AU
direct	-3721 Sep 12 j 02:27	9°♐11'07	
evening set	-3721 Dec 20 j 22:55	16°♐39'11	
conjunction	-3720 Jan 07 j 00:53	18°♐47'14	-0°38'02
minimum elong	-3720 Jan 07 j 00:52	18°♐47'14	0°38'10
max. Earth dist.	-3720 Jan 06 j 16:59	18°♐44'45	10.43626 AU
morning rise	-3720 Jan 24 j 07:49	20°♐56'55	
retrograde	-3720 May 09 j 21:21	28°♐54'45	
opposition	-3720 Jul 18 j 15:18	25°♐27'42	-1°06'41
min. Earth dist.	-3720 Jul 18 j 20:12	25°♐26'44	8.36440 AU
direct	-3720 Sep 23 j 22:55	22°♐05'39	
evening set	-3719 Jan 02 j 06:20	29°♐43'43	
	-3719 Jan 04 j 10:22	0°♑	
conjunction	-3719 Jan 19 j 12:06	1°♑54'52	-1°08'23
minimum elong	-3719 Jan 19 j 12:03	1°♑54'51	1°08'31
max. Earth dist.	-3719 Jan 19 j 06:10	1°♑52'58	10.29521 AU
morning rise	-3719 Feb 05 j 23:13	4°♑07'43	
retrograde	-3719 May 24 j 04:31	12°♑17'10	
opposition	-3719 Aug 01 j 10:48	8°♑48'40	-1°43'06
min. Earth dist.	-3719 Aug 01 j 13:57	8°♑48'02	8.22734 AU
direct	-3719 Oct 07 j 06:22	5°♑25'15	
evening set	-3718 Jan 16 j 02:53	13°♑14'04	
conjunction	-3718 Feb 02 j 12:33	15°♑28'16	-1°35'51
minimum elong	-3718 Feb 02 j 12:30	15°♑28'15	1°36'00
max. Earth dist.	-3718 Feb 02 j 09:35	15°♑27'19	10.16301 AU
morning rise	-3718 Feb 20 j 03:32	17°♑44'11	

Attention, astronomical year style is used: The year -3718 in astronomical counting style is the year 3719 BCE in historical counting style.

retrograde	-3718 Jun 07 j 20:21	26°♑04'21	
opposition	-3718 Aug 15 j 13:39	22°♑34'36	-2°14'52
min. Earth dist.	-3718 Aug 15 j 14:22	22°♑34'27	8.10337 AU
direct	-3718 Oct 20 j 22:52	19°♑09'48	
evening set	-3717 Jan 30 j 12:19	27°♑09'20	
conjunction	-3717 Feb 17 j 01:53	29°♑26'23	-1°58'29
minimum elong	-3717 Feb 17 j 01:50	29°♑26'22	1°58'37
max. Earth dist.	-3717 Feb 17 j 03:04	29°♑26'47	10.04804 AU
	-3717 Feb 21 j 08:32	0°♒	
morning rise	-3717 Mar 06 j 20:20	1°♒45'02	
retrograde	-3717 Jun 22 j 19:15	10°♒13'57	
opposition	-3717 Aug 29 j 22:42	6°♒43'13	-2°39'26
min. Earth dist.	-3717 Aug 29 j 20:09	6°♒43'44	8.00104 AU
direct	-3717 Nov 03 j 23:57	3°♒17'02	
evening set	-3716 Feb 14 j 09:45	11°♒26'23	
conjunction	-3716 Mar 03 j 03:07	13°♒45'53	-2°14'23
minimum elong	-3716 Mar 03 j 03:05	13°♒45'52	2°14'31
max. Earth dist.	-3716 Mar 03 j 08:33	13°♒47'40	9.95875 AU
	-3716 Mar 12 j 11:54	15°♒	
morning rise	-3716 Mar 21 j 00:41	16°♒06'46	
retrograde	-3716 Jul 06 j 22:22	24°♒41'17	
opposition	-3716 Sep 12 j 12:09	21°♒09'58	-2°54'34
min. Earth dist.	-3716 Sep 12 j 06:23	21°♒11'09	7.92783 AU
direct	-3716 Nov 17 j 08:55	17°♒42'27	
evening set	-3715 Feb 28 j 16:42	25°♒59'47	
conjunction	-3715 Mar 18 j 13:37	28°♒21'09	-2°22'03
minimum elong	-3715 Mar 18 j 13:37	28°♒21'09	2°22'09
max. Earth dist.	-3715 Mar 18 j 22:51	28°♒24'13	9.90183 AU
	-3715 Mar 31 j 00:22	0°♓	
morning rise	-3715 Apr 05 j 13:48	0°♓43'37	
retrograde	-3715 Jul 22 j 02:26	9°♓19'53	
opposition	-3715 Sep 27 j 04:03	5°♓48'24	-2°58'36
min. Earth dist.	-3715 Sep 26 j 19:39	5°♓50'10	7.88910 AU
direct	-3715 Dec 02 j 01:11	2°♓19'45	
evening set	-3714 Mar 16 j 05:35	10°♓42'22	
conjunction	-3714 Apr 03 j 05:37	13°♓04'53	-2°20'36
minimum elong	-3714 Apr 03 j 05:38	13°♓04'53	2°20'39
max. Earth dist.	-3714 Apr 03 j 18:03	13°♓09'00	9.88150 AU
morning rise	-3714 Apr 21 j 07:46	15°♓28'05	
retrograde	-3714 Aug 06 j 03:05	24°♓01'58	
opposition	-3714 Oct 11 j 19:54	20°♓30'50	-2°50'57
min. Earth dist.	-3714 Oct 11 j 09:38	20°♓32'59	7.88767 AU
direct	-3714 Dec 16 j 21:44	17°♓01'17	
evening set	-3713 Mar 31 j 20:39	25°♓25'59	
conjunction	-3713 Apr 18 j 23:08	27°♓48'48	-2°10'00
minimum elong	-3713 Apr 18 j 23:11	27°♓48'49	2°10'02
max. Earth dist.	-3713 Apr 19 j 13:39	27°♓53'36	9.89928 AU
	-3713 May 05 j 13:54	0°♈	
morning rise	-3713 May 07 j 02:31	0°♈11'53	
retrograde	-3713 Aug 20 j 22:01	8°♈39'25	
opposition	-3713 Oct 26 j 09:11	5°♈09'04	-2°32'11
min. Earth dist.	-3713 Oct 25 j 22:07	5°♈11'24	7.92357 AU
direct	-3713 Dec 31 j 19:52	1°♈38'57	
evening set	-3712 Apr 15 j 09:52	10°♈02'26	
conjunction	-3712 May 03 j 13:50	12°♈24'41	-1°51'09
minimum elong	-3712 May 03 j 13:54	12°♈24'43	1°51'08
max. Earth dist.	-3712 May 04 j 05:06	12°♈29'42	9.95357 AU
morning rise	-3712 May 21 j 17:22	14°♈46'43	
retrograde	-3712 Sep 03 j 08:57	23°♈04'44	
opposition	-3712 Nov 08 j 17:52	19°♈35'34	-2°03'58
min. Earth dist.	-3712 Nov 08 j 06:31	19°♈37'56	7.99392 AU
direct	-3711 Jan 14 j 16:51	16°♈05'13	
evening set	-3711 Apr 30 j 17:32	24°♈24'30	
conjunction	-3711 May 18 j 21:39	26°♈45'17	-1°25'39
minimum elong	-3711 May 18 j 21:43	26°♈45'18	1°25'35
max. Earth dist.	-3711 May 19 j 12:51	26°♈50'13	10.04011 AU
morning rise	-3711 Jun 06 j 00:01	29°♈05'24	
	-3711 Jun 13 j 05:32	0°♉	
retrograde	-3711 Sep 17 j 10:26	7°♉11'46	
opposition	-3711 Nov 22 j 20:12	3°♉44'05	-1°28'46
min. Earth dist.	-3711 Nov 22 j 08:47	3°♉46'26	8.09364 AU
direct	-3710 Jan 29 j 10:29	0°♉13'55	
evening set	-3710 May 15 j 16:40	8°♉26'33	
conjunction	-3710 Jun 02 j 19:34	10°♉45'05	-0°55'33
minimum elong	-3710 Jun 02 j 19:37	10°♉45'06	0°55'28
max. Earth dist.	-3710 Jun 03 j 10:02	10°♉49'43	10.15281 AU
morning rise	-3710 Jun 20 j 19:27	13°♉02'35	
	-3710 Jul 06 j 19:57	15°♉	
retrograde	-3710 Oct 01 j 00:43	20°♉56'18	
opposition	-3710 Dec 06 j 15:00	17°♉30'17	-0°49'21
min. Earth dist.	-3710 Dec 06 j 03:53	17°♉32'33	8.21611 AU
	-3709 Jan 10 j 01:23	15°℞♉	
direct	-3709 Feb 12 j 22:28	14°♉00'39	
	-3709 Mar 18 j 16:12	15°♉	
evening set	-3709 May 30 j 05:16	22°♉04'57	
conjunction	-3709 Jun 17 j 05:36	24°♉20'39	-0°23'04
minimum elong	-3709 Jun 17 j 05:37	24°♉20'39	0°22'57
max. Earth dist.	-3709 Jun 17 j 18:48	24°♉24'49	10.28433 AU
morning rise	-3709 Jul 05 j 01:48	26°♉35'01	
	-3709 Aug 03 j 10:53	0°♊	
retrograde	-3709 Oct 14 j 05:12	4°♊16'03	
opposition	-3709 Dec 20 j 01:59	0°♊51'50	-0°08'29
min. Earth dist.	-3709 Dec 19 j 15:46	0°♊53'53	8.35370 AU
	-3709 Dec 30 j 22:50	30°℞♉	
direct	-3708 Feb 27 j 01:55	27°♉23'02	
asc. node	-3708 Mar 08 j 01:09	27°♉28'14	
	-3708 Apr 23 j 20:54	0°♊	
evening set	-3708 Jun 12 j 06:25	5°♊18'05	
conjunction	-3708 Jun 30 j 02:52	7°♊30'32	0°09'50
minimum elong	-3708 Jun 30 j 02:51	7°♊30'32	0°09'58
behind sun begin	-3708 Jun 29 j 21:02	7°♊28'44	
behind sun end	-3708 Jun 30 j 08:41	7°♊32'19	
max. Earth dist.	-3708 Jun 30 j 14:24	7°♊34'07	10.42676 AU
morning rise	-3708 Jul 17 j 18:20	9°♊41'28	
retrograde	-3708 Oct 26 j 01:10	17°♊10'33	
opposition	-3707 Jan 01 j 05:08	13°♊48'08	0°31'27
min. Earth dist.	-3708 Dec 31 j 20:58	13°♊49'45	8.49873 AU
direct	-3707 Mar 11 j 19:47	10°♊20'25	
evening set	-3707 Jun 25 j 19:34	18°♊05'55	
conjunction	-3707 Jul 13 j 11:11	20°♊14'59	0°41'14
minimum elong	-3707 Jul 13 j 11:09	20°♊14'58	0°41'23
max. Earth dist.	-3707 Jul 13 j 20:00	20°♊17'41	10.57261 AU
morning rise	-3707 Jul 30 j 21:27	22°♊22'25	
retrograde	-3707 Nov 07 j 11:40	29°♊40'46	
opposition	-3706 Jan 14 j 00:55	26°♊20'05	1°08'31
min. Earth dist.	-3706 Jan 13 j 19:19	26°♊21'11	8.64394 AU
direct	-3706 Mar 25 j 05:11	22°♊53'38	
	-3706 Jul 04 j 15:36	0°♋	
evening set	-3706 Jul 08 j 20:53	0°♋29'47	
conjunction	-3706 Jul 26 j 07:08	2°♋35'29	1°09'51
minimum elong	-3706 Jul 26 j 07:05	2°♋35'28	1°10'01
max. Earth dist.	-3706 Jul 26 j 12:22	2°♋37'04	10.71488 AU

Attention, astronomical year style is used: The year -3706 in astronomical counting style is the year 3707 BCE in historical counting style.

morning rise	-3706 Aug 12 j 12:08	4°♋39'36	
retrograde	-3706 Nov 19 j 12:43	11°♋48'46	
opposition	-3705 Jan 26 j 13:54	8°♋29'39	1°41'17
min. Earth dist.	-3705 Jan 26 j 10:46	8°♋30'15	8.78251 AU
direct	-3705 Apr 07 j 08:02	5°♋04'33	
evening set	-3705 Jul 21 j 11:21	12°♋31'57	
conjunction	-3705 Aug 07 j 16:09	14°♋34'29	1°34'38
minimum elong	-3705 Aug 07 j 16:06	14°♋34'28	1°34'47
max. Earth dist.	-3705 Aug 07 j 17:52	14°♋35'00	10.84723 AU
morning rise	-3705 Aug 24 j 15:58	16°♋35'31	
retrograde	-3705 Dec 01 j 09:27	23°♋37'13	
opposition	-3704 Feb 07 j 20:59	20°♋19'24	2°08'45
min. Earth dist.	-3704 Feb 07 j 19:39	20°♋19'40	8.90841 AU
direct	-3704 Apr 19 j 01:29	16°♋55'43	
evening set	-3704 Aug 01 j 15:52	24°♋15'09	
conjunction	-3704 Aug 18 j 15:35	26°♋14'54	1°54'52
minimum elong	-3704 Aug 18 j 15:32	26°♋14'53	1°55'00
max. Earth dist.	-3704 Aug 18 j 15:05	26°♋14'45	10.96430 AU
morning rise	-3704 Sep 04 j 10:31	28°♋13'16	
	-3704 Sep 20 j 06:06	0°♌	
retrograde	-3704 Dec 12 j 01:07	5°♌09'12	
opposition	-3703 Feb 18 j 23:32	1°♌52'26	2°30'15
min. Earth dist.	-3703 Feb 19 j 00:20	1°♌52'17	9.01673 AU
	-3703 Mar 17 j 14:00	30°℞♋	
direct	-3703 May 01 j 10:40	28°♋30'06	
	-3703 Jun 14 j 10:41	0°♌	
evening set	-3703 Aug 13 j 11:37	5°♌42'30	
conjunction	-3703 Aug 30 j 06:46	7°♌39'55	2°10'05
minimum elong	-3703 Aug 30 j 06:43	7°♌39'54	2°10'12
max. Earth dist.	-3703 Aug 30 j 04:02	7°♌39'06	11.06167 AU
morning rise	-3703 Sep 15 j 21:32	9°♌36'07	
	-3703 Nov 11 j 05:54	15°♌	
retrograde	-3703 Dec 23 j 14:09	16°♌28'01	
	-3702 Feb 05 j 04:30	15°℞♌	
opposition	-3702 Mar 02 j 22:28	13°♌12'00	2°45'26
min. Earth dist.	-3702 Mar 03 j 02:10	13°♌11'19	9.10349 AU
direct	-3702 May 13 j 14:12	9°♌50'53	
	-3702 Aug 07 j 06:48	15°♌	
evening set	-3702 Aug 25 j 00:25	16°♌57'24	
conjunction	-3702 Sep 10 j 15:35	18°♌52'59	2°20'02
minimum elong	-3702 Sep 10 j 15:34	18°♌52'58	2°20'07
max. Earth dist.	-3702 Sep 10 j 09:32	18°♌51'13	11.13594 AU
morning rise	-3702 Sep 27 j 03:13	20°♌47'33	
retrograde	-3701 Jan 03 j 23:23	27°♌37'05	
opposition	-3701 Mar 14 j 18:41	24°♌21'29	2°54'08
min. Earth dist.	-3701 Mar 15 j 01:16	24°♌20'16	9.16560 AU
direct	-3701 May 25 j 11:52	21°♌01'25	
evening set	-3701 Sep 05 j 07:36	28°♌03'16	
conjunction	-3701 Sep 21 j 19:43	29°♌57'33	2°24'35
minimum elong	-3701 Sep 21 j 19:42	29°♌57'33	2°24'39
max. Earth dist.	-3701 Sep 21 j 10:44	29°♌54'56	11.18450 AU
	-3701 Sep 22 j 04:09	0°♍	
morning rise	-3701 Oct 08 j 05:12	1°♍51'05	
retrograde	-3700 Jan 15 j 09:04	8°♍39'58	
opposition	-3700 Mar 25 j 13:41	5°♍24'24	2°56'20
min. Earth dist.	-3700 Mar 25 j 21:53	5°♍22'54	9.20068 AU
direct	-3700 Jun 05 j 07:27	2°♍05'12	
evening set	-3700 Sep 15 j 10:34	9°♍03'37	
conjunction	-3700 Oct 01 j 20:48	10°♍57'13	2°23'45
minimum elong	-3700 Oct 01 j 20:48	10°♍57'13	2°23'49
max. Earth dist.	-3700 Oct 01 j 10:24	10°♍54'12	11.20533 AU
morning rise	-3700 Oct 18 j 05:01	12°♍50'18	
retrograde	-3699 Jan 25 j 20:57	19°♍40'13	
opposition	-3699 Apr 06 j 08:30	16°♍24'22	2°52'05
min. Earth dist.	-3699 Apr 06 j 18:03	16°♍22'37	9.20701 AU
direct	-3699 Jun 16 j 22:36	13°♍05'50	
evening set	-3699 Sep 26 j 11:28	20°♍02'13	
conjunction	-3699 Oct 12 j 20:46	21°♍55'43	2°17'38
minimum elong	-3699 Oct 12 j 20:48	21°♍55'43	2°17'40
max. Earth dist.	-3699 Oct 12 j 08:44	21°♍52'13	11.19710 AU
morning rise	-3699 Oct 29 j 04:49	23°♍48'58	
	-3698 Jan 08 j 01:26	0°♎	
retrograde	-3698 Feb 06 j 10:34	0°♎41'36	
	-3698 Mar 08 j 07:57	30°℞♍	
opposition	-3698 Apr 18 j 04:14	27°♍25'10	2°41'33
min. Earth dist.	-3698 Apr 18 j 15:50	27°♍23'03	9.18391 AU
direct	-3698 Jun 28 j 11:45	24°♍07'03	
	-3698 Sep 28 j 04:05	0°♎	
evening set	-3698 Oct 07 j 12:04	1°♎02'57	
conjunction	-3698 Oct 23 j 21:16	2°♎56'56	2°06'24
minimum elong	-3698 Oct 23 j 21:18	2°♎56'57	2°06'24
max. Earth dist.	-3698 Oct 23 j 06:43	2°♎52'42	11.15995 AU
morning rise	-3698 Nov 09 j 06:22	4°♎50'58	
retrograde	-3697 Feb 18 j 04:18	11°♎48'01	
opposition	-3697 Apr 30 j 02:24	8°♎30'42	2°24'58
min. Earth dist.	-3697 Apr 30 j 15:41	8°♎28'17	9.13234 AU
direct	-3697 Jul 10 j 01:32	5°♎12'46	
evening set	-3697 Oct 18 j 14:00	12°♎09'38	
max. Earth dist.	-3697 Nov 03 j 08:41	14°♎00'08	11.09552 AU
conjunction	-3697 Nov 04 j 00:06	14°♎04'41	1°50'19
minimum elong	-3697 Nov 04 j 00:09	14°♎04'41	1°50'17
morning rise	-3697 Nov 20 j 11:06	16°♎00'02	
retrograde	-3696 Mar 01 j 02:31	23°♎03'10	
opposition	-3696 May 11 j 04:02	19°♎44'38	2°02'41
min. Earth dist.	-3696 May 11 j 17:31	19°♎42'09	9.05458 AU
direct	-3696 Jul 20 j 17:17	16°♎26'35	
evening set	-3696 Oct 28 j 19:21	23°♎25'56	
conjunction	-3696 Nov 14 j 07:21	25°♎22'34	1°29'45
minimum elong	-3696 Nov 14 j 07:24	25°♎22'35	1°29'41
max. Earth dist.	-3696 Nov 13 j 16:37	25°♎18'12	11.00638 AU
morning rise	-3696 Nov 30 j 20:55	27°♎19'46	
	-3696 Dec 25 j 00:33	0°♏	
retrograde	-3695 Mar 13 j 09:42	4°♏30'28	
opposition	-3695 May 23 j 10:01	1°♏10'29	1°35'10
min. Earth dist.	-3695 May 23 j 22:36	1°♏08'09	8.95366 AU
	-3695 Jun 08 j 14:27	30°℞♎	
direct	-3695 Aug 01 j 11:59	27°♎52'04	
	-3695 Sep 21 j 21:10	0°♏	
evening set	-3695 Nov 09 j 05:58	4°♏55'24	
conjunction	-3695 Nov 25 j 20:25	6°♏54'05	1°05'13
minimum elong	-3695 Nov 25 j 20:28	6°♏54'06	1°05'08
max. Earth dist.	-3695 Nov 25 j 06:00	6°♏49'45	10.89584 AU
morning rise	-3695 Dec 12 j 13:19	8°♏53'37	
	-3694 Feb 14 j 21:19	15°♏	
retrograde	-3694 Mar 26 j 00:10	16°♏13'16	
	-3694 May 04 j 21:35	15°℞♏	
opposition	-3694 Jun 04 j 21:34	12°♏51'40	1°03'05
min. Earth dist.	-3694 Jun 05 j 09:29	12°♏49'26	8.83334 AU
direct	-3694 Aug 13 j 08:25	9°♏32'38	
	-3694 Nov 06 j 08:47	15°♏	
evening set	-3694 Nov 20 j 23:51	16°♏41'32	
conjunction	-3694 Dec 07 j 17:07	18°♏42'39	0°37'24

Attention, astronomical year style is used: The year -3694 in astronomical counting style is the year 3695 BCE in historical counting style.

minimum elong	-3694 Dec 07 j 17:09	18°♏42'39	0°37'18
max. Earth dist.	-3694 Dec 07 j 03:00	18°♏38'22	10.76806 AU
morning rise	-3694 Dec 24 j 13:55	20°♏44'53	
retrograde	-3693 Apr 07 j 21:57	28°♏14'50	
opposition	-3693 Jun 17 j 15:36	24°♏51'28	0°27'21
min. Earth dist.	-3693 Jun 18 j 02:42	24°♏49'22	8.69838 AU
direct	-3693 Aug 25 j 12:27	21°♏31'35	
evening set	-3693 Dec 03 j 02:43	28°♏47'37	
	-3693 Dec 13 j 00:17	0°♐	
conjunction	-3693 Dec 19 j 23:22	0°♐51'30	0°07'16
minimum elong	-3693 Dec 19 j 23:22	0°♐51'30	0°07'09
behind sun begin	-3693 Dec 19 j 16:51	0°♐49'31	
behind sun end	-3693 Dec 20 j 05:53	0°♐53'29	
max. Earth dist.	-3693 Dec 19 j 10:44	0°♐47'37	10.62818 AU
morning rise	-3692 Jan 06 j 00:20	2°♐56'45	
desc. node	-3692 Mar 16 j 09:34	9°♐38'11	
retrograde	-3692 Apr 20 j 06:25	10°♐38'01	
opposition	-3692 Jun 29 j 16:47	7°♐12'52	-0°10'48
min. Earth dist.	-3692 Jun 30 j 02:20	7°♐11'01	8.55445 AU
direct	-3692 Sep 05 j 23:05	3°♐51'55	
evening set	-3692 Dec 14 j 16:16	11°♐16'29	
conjunction	-3692 Dec 31 j 16:43	13°♐23'24	-0°24'10
minimum elong	-3692 Dec 31 j 16:42	13°♐23'23	0°24'18
max. Earth dist.	-3692 Dec 31 j 07:07	13°♐20'24	10.48205 AU
morning rise	-3691 Jan 17 j 21:53	15°♐31'51	
retrograde	-3691 May 04 j 01:01	23°♐25'06	
opposition	-3691 Jul 13 j 01:33	19°♐58'10	-0°49'46
min. Earth dist.	-3691 Jul 13 j 08:21	19°♐56'51	8.40782 AU
direct	-3691 Sep 18 j 17:03	16°♐36'03	
evening set	-3691 Dec 27 j 18:09	24°♐10'23	
conjunction	-3690 Jan 13 j 22:26	26°♐20'25	-0°55'13
minimum elong	-3690 Jan 13 j 22:24	26°♐20'24	0°55'22
max. Earth dist.	-3690 Jan 13 j 16:00	26°♐18'22	10.33631 AU
morning rise	-3690 Jan 31 j 07:40	28°♐32'06	
	-3690 Feb 12 j 07:44	0°♑	
retrograde	-3690 May 18 j 05:04	6°♑37'23	
opposition	-3690 Jul 26 j 18:00	3°♑08'50	-1°27'31
min. Earth dist.	-3690 Jul 26 j 21:37	3°♑08'07	8.26556 AU
	-3690 Sep 15 j 12:44	30°℞♐	
direct	-3690 Oct 01 j 20:05	29°♐45'26	
	-3690 Oct 17 j 23:31	0°♑	
evening set	-3689 Jan 10 j 09:06	7°♑30'19	
conjunction	-3689 Jan 27 j 17:11	9°♑43'29	-1°24'14
minimum elong	-3689 Jan 27 j 17:08	9°♑43'27	1°24'23
max. Earth dist.	-3689 Jan 27 j 13:57	9°♑42'26	10.19854 AU
morning rise	-3689 Feb 14 j 06:24	11°♑58'19	
retrograde	-3689 Jun 01 j 19:03	20°♑14'55	
opposition	-3689 Aug 09 j 18:09	16°♑44'59	-2°01'42
min. Earth dist.	-3689 Aug 09 j 18:39	16°♑44'53	8.13541 AU
direct	-3689 Oct 15 j 07:21	13°♑20'13	
evening set	-3688 Jan 24 j 13:14	21°♑15'53	
conjunction	-3688 Feb 11 j 01:06	23°♑31'58	-1°49'16
minimum elong	-3688 Feb 11 j 01:03	23°♑31'57	1°49'25
max. Earth dist.	-3688 Feb 11 j 01:04	23°♑31'57	10.07663 AU
morning rise	-3688 Feb 28 j 18:08	25°♑49'43	
	-3688 Apr 03 j 21:57	0°♒	
retrograde	-3688 Jun 15 j 16:24	4°♒15'57	
opposition	-3688 Aug 23 j 01:02	0°♒44'58	-2°29'47
min. Earth dist.	-3688 Aug 22 j 22:51	0°♒45'25	8.02505 AU
	-3688 Sep 01 j 06:22	30°℞♑	
direct	-3688 Oct 28 j 04:15	27°♑18'50	
	-3688 Dec 21 j 20:01	0°♒	
evening set	-3687 Feb 07 j 06:00	5°♒24'45	
conjunction	-3687 Feb 24 j 21:36	7°♒43'26	-2°08'22
minimum elong	-3687 Feb 24 j 21:34	7°♒43'25	2°08'29
max. Earth dist.	-3687 Feb 25 j 01:06	7°♒44'35	9.97818 AU
morning rise	-3687 Mar 14 j 18:00	10°♒03'39	
	-3687 Apr 25 j 20:33	15°♒	
retrograde	-3687 Jun 30 j 18:19	18°♒36'48	
opposition	-3687 Sep 06 j 13:05	15°♒05'11	-2°49'18
min. Earth dist.	-3687 Sep 06 j 08:26	15°♒06'09	7.94163 AU
	-3687 Sep 07 j 14:08	15°℞♒	
direct	-3687 Nov 11 j 10:35	11°♒37'48	
	-3686 Jan 12 j 01:04	15°♒	
evening set	-3686 Feb 22 j 09:16	19°♒52'32	
conjunction	-3686 Mar 12 j 04:32	22°♒13'19	-2°19'47
minimum elong	-3686 Mar 12 j 04:31	22°♒13'18	2°19'53
max. Earth dist.	-3686 Mar 12 j 12:01	22°♒15'48	9.90999 AU
morning rise	-3686 Mar 30 j 03:48	24°♒35'22	
	-3686 May 15 j 16:12	0°♓	
retrograde	-3686 Jul 15 j 22:01	3°♓11'57	
	-3686 Sep 17 j 05:22	30°℞♒	
opposition	-3686 Sep 21 j 04:36	29°♒40'09	-2°58'17
min. Earth dist.	-3686 Sep 20 j 21:15	29°♒41'41	7.89104 AU
direct	-3686 Nov 26 j 01:24	26°♒11'42	
	-3685 Jan 30 j 21:10	0°♓	
evening set	-3685 Mar 09 j 20:03	4°♓32'52	
conjunction	-3685 Mar 27 j 18:44	6°♓55'06	-2°22'21
minimum elong	-3685 Mar 27 j 18:45	6°♓55'06	2°22'25
max. Earth dist.	-3685 Mar 28 j 06:06	6°♓58'52	9.87718 AU
morning rise	-3685 Apr 14 j 20:19	9°♓18'14	
retrograde	-3685 Jul 30 j 23:47	17°♓54'11	
opposition	-3685 Oct 05 j 21:08	14°♓22'42	-2°55'41
min. Earth dist.	-3685 Oct 05 j 11:17	14°♓24'46	7.87710 AU
direct	-3685 Dec 10 j 20:55	10°♓53'26	
evening set	-3684 Mar 24 j 11:04	19°♓18'02	
conjunction	-3684 Apr 11 j 12:40	21°♓40'56	-2°15'38
minimum elong	-3684 Apr 11 j 12:42	21°♓40'57	2°15'40
max. Earth dist.	-3684 Apr 12 j 03:13	21°♓45'46	9.88238 AU
morning rise	-3684 Apr 29 j 15:46	24°♓04'17	
	-3684 Jun 20 j 19:08	0°♈	
retrograde	-3684 Aug 13 j 21:47	2°♈35'28	
	-3684 Oct 08 j 09:17	30°℞♓	
opposition	-3684 Oct 19 j 12:06	29°♓04'46	-2°41'32
min. Earth dist.	-3684 Oct 19 j 00:12	29°♓07'15	7.90099 AU
direct	-3684 Dec 24 j 18:32	25°♓34'59	
	-3683 Mar 07 j 00:37	0°♈	
evening set	-3683 Apr 09 j 02:07	3°♈59'42	
conjunction	-3683 Apr 27 j 05:42	6°♈22'23	-2°00'10
minimum elong	-3683 Apr 27 j 05:46	6°♈22'25	2°00'10
max. Earth dist.	-3683 Apr 27 j 22:34	6°♈27'57	9.92531 AU
morning rise	-3683 May 15 j 09:18	8°♈45'02	
retrograde	-3683 Aug 28 j 13:41	17°♈07'52	
opposition	-3683 Nov 02 j 23:30	13°♈38'21	-2°17'04
min. Earth dist.	-3683 Nov 02 j 10:20	13°♈41'05	7.96111 AU
direct	-3682 Jan 08 j 16:06	10°♈08'24	
evening set	-3682 Apr 24 j 12:58	18°♈29'59	
conjunction	-3682 May 12 j 17:20	20°♈51'31	-1°37'16
minimum elong	-3682 May 12 j 17:24	20°♈51'32	1°37'13
max. Earth dist.	-3682 May 13 j 11:15	20°♈57'22	10.00286 AU
morning rise	-3682 May 30 j 20:15	23°♈12'34	
	-3682 Aug 03 j 15:04	0°♉	
retrograde	-3682 Sep 11 j 20:49	1°♉24'23	

Attention, astronomical year style is used: The year -3682 in astronomical counting style is the year 3683 BCE in historical counting style.

	-3682 Oct 21 j 12:13	30°℞♈		
opposition	-3682 Nov 17 j 05:13	27°♈56'22	-1°44'30	
min. Earth dist.	-3682 Nov 16 j 16:04	27°♈59'05	8.05318 AU	
direct	-3681 Jan 23 j 11:09	24°♈26'34		
	-3681 Apr 17 j 10:01	0°♉		
evening set	-3681 May 09 j 16:42	2°♉42'17		
conjunction	-3681 May 27 j 20:25	5°♉01'50	-1°08'51	
minimum elong	-3681 May 27 j 20:28	5°♉01'51	1°08'46	
max. Earth dist.	-3681 May 28 j 13:37	5°♉07'23	10.10933 AU	
morning rise	-3681 Jun 14 j 21:24	7°♉20'30		
	-3681 Sep 06 j 22:48	15°♉		
retrograde	-3681 Sep 25 j 17:09	15°♉19'42		
	-3681 Oct 14 j 10:57	15°℞♉		
opposition	-3681 Dec 01 j 03:41	11°♉53'25	-1°06'31	
min. Earth dist.	-3681 Nov 30 j 15:40	11°♉55'52	8.17065 AU	
direct	-3680 Feb 07 j 01:59	8°♉24'02		
	-3680 May 10 j 21:26	15°♉		
evening set	-3680 May 23 j 10:38	16°♉31'53		
conjunction	-3680 Jun 10 j 12:11	18°♉48'46	-0°37'06	
minimum elong	-3680 Jun 10 j 12:12	18°♉48'46	0°37'01	
max. Earth dist.	-3680 Jun 11 j 03:08	18°♉53'31	10.23703 AU	
morning rise	-3680 Jun 28 j 10:00	21°♉04'26		
retrograde	-3680 Oct 08 j 01:35	28°♉50'39		
opposition	-3680 Dec 13 j 18:21	25°♉26'10	-0°25'58	
min. Earth dist.	-3680 Dec 13 j 08:12	25°♉28'13	8.30525 AU	
direct	-3679 Feb 20 j 09:46	21°♉57'29		
evening set	-3679 Jun 06 j 16:59	29°♉56'17		
	-3679 Jun 07 j 05:08	0°♊		
conjunction	-3679 Jun 24 j 15:02	2°♊10'01	-0°04'14	
minimum elong	-3679 Jun 24 j 15:02	2°♊10'01	0°04'07	
behind sun begin	-3679 Jun 24 j 07:52	2°♊07'48		
behind sun end	-3679 Jun 24 j 22:12	2°♊12'15		
max. Earth dist.	-3679 Jun 25 j 02:42	2°♊13'40	10.37709 AU	
morning rise	-3679 Jul 12 j 08:41	4°♊22'21		
asc. node	-3679 Aug 11 j 19:17	7°♊51'57		
retrograde	-3679 Oct 21 j 00:28	11°♊56'11		
opposition	-3679 Dec 27 j 00:57	8°♊33'30	0°14'37	
min. Earth dist.	-3679 Dec 26 j 16:39	8°♊35'09	8.44813 AU	
direct	-3678 Mar 06 j 08:52	5°♊05'48		
evening set	-3678 Jun 20 j 11:24	12°♊55'09		
conjunction	-3678 Jul 08 j 05:03	15°♊05'34	0°28'04	
minimum elong	-3678 Jul 08 j 05:02	15°♊05'34	0°28'12	
max. Earth dist.	-3678 Jul 08 j 13:25	15°♊08'09	10.52112 AU	
morning rise	-3678 Jul 25 j 17:46	17°♊14'27		
retrograde	-3678 Nov 02 j 14:23	24°♊37'06		
opposition	-3677 Jan 08 j 23:44	21°♊16'08	0°53'07	
min. Earth dist.	-3677 Jan 08 j 17:16	21°♊17'24	8.59168 AU	
direct	-3677 Mar 19 j 22:56	17°♊49'34		
evening set	-3677 Jul 03 j 18:03	25°♊29'38		
conjunction	-3677 Jul 21 j 06:44	27°♊36'43	0°58'02	
minimum elong	-3677 Jul 21 j 06:41	27°♊36'42	0°58'11	
max. Earth dist.	-3677 Jul 21 j 12:30	27°♊38'29	10.66237 AU	
morning rise	-3677 Aug 07 j 14:03	29°♊42'13		
	-3677 Aug 10 j 02:03	0°♋		
retrograde	-3677 Nov 14 j 20:43	6°♋55'10		
opposition	-3676 Jan 21 j 15:46	3°♋35'45	1°27'53	
min. Earth dist.	-3676 Jan 21 j 11:40	3°♋36'33	8.72977 AU	
direct	-3676 Apr 01 j 04:32	0°♋10'24		
evening set	-3676 Jul 15 j 13:29	7°♋41'35		
conjunction	-3676 Aug 01 j 20:46	9°♋45'27	1°24'35	
minimum elong	-3676 Aug 01 j 20:43	9°♋45'26	1°24'44	
max. Earth dist.	-3676 Aug 01 j 23:48	9°♋46'22	10.79514 AU	
morning rise	-3676 Aug 18 j 22:39	11°♋47'46		
retrograde	-3676 Nov 25 j 20:35	18°♋52'39		
opposition	-3675 Feb 02 j 01:46	15°♋34'31	1°57'44	
min. Earth dist.	-3675 Feb 02 j 00:44	15°♋34'43	8.85698 AU	
direct	-3675 Apr 14 j 00:31	12°♋10'23		
evening set	-3675 Jul 27 j 22:33	19°♋33'21		
conjunction	-3675 Aug 14 j 00:27	21°♋34'18	1°46'51	
minimum elong	-3675 Aug 14 j 00:24	21°♋34'18	1°46'59	
max. Earth dist.	-3675 Aug 13 j 23:53	21°♋34'08	10.91441 AU	
morning rise	-3675 Aug 30 j 21:24	23°♋33'50		
	-3675 Nov 12 j 11:38	0°♌		
retrograde	-3675 Dec 07 j 12:51	0°♌32'16		
	-3674 Jan 01 j 23:06	30°℞♋		
opposition	-3674 Feb 14 j 06:27	27°♋15'09	2°21'52	
min. Earth dist.	-3674 Feb 14 j 08:18	27°♋14'48	8.96850 AU	
direct	-3674 Apr 26 j 13:56	23°♋52'10		
	-3674 Jul 29 j 22:55	0°♌		
evening set	-3674 Aug 08 j 22:15	1°♌07'49		
conjunction	-3674 Aug 25 j 19:14	3°♌06'15	2°04'16	
minimum elong	-3674 Aug 25 j 19:12	3°♌06'14	2°04'23	
max. Earth dist.	-3674 Aug 25 j 15:09	3°♌05'03	11.01581 AU	
morning rise	-3674 Sep 11 j 11:55	5°♌03'26		
retrograde	-3674 Dec 19 j 02:37	11°♌57'11		
opposition	-3673 Feb 26 j 06:54	8°♌40'44	2°39'49	
min. Earth dist.	-3673 Feb 26 j 10:44	8°♌40'01	9.06006 AU	
direct	-3673 May 08 j 22:09	5°♌18'50		
evening set	-3673 Aug 20 j 14:01	12°♌28'11		
conjunction	-3673 Sep 06 j 06:53	14°♌24'36	2°16'29	
minimum elong	-3673 Sep 06 j 06:51	14°♌24'36	2°16'35	
max. Earth dist.	-3673 Sep 06 j 00:44	14°♌22'49	11.09561 AU	
	-3673 Sep 11 j 07:54	15°♌		
morning rise	-3673 Sep 22 j 19:53	16°♌19'57		
retrograde	-3673 Dec 30 j 13:38	23°♌10'42		
opposition	-3672 Mar 09 j 04:18	19°♌54'37	2°51'20	
min. Earth dist.	-3672 Mar 09 j 09:47	19°♌53'36	9.12845 AU	
direct	-3672 May 19 j 22:07	16°♌33'43		
evening set	-3672 Aug 30 j 23:27	23°♌37'54		
conjunction	-3672 Sep 16 j 13:01	25°♌32'50	2°23'21	
minimum elong	-3672 Sep 16 j 13:00	25°♌32'50	2°23'26	
max. Earth dist.	-3672 Sep 16 j 05:17	25°♌30'35	11.15124 AU	
morning rise	-3672 Oct 02 j 23:15	27°♌26'54		
	-3672 Oct 26 j 11:26	0°♍		
retrograde	-3671 Jan 10 j 00:03	4°♍16'22		
opposition	-3671 Mar 20 j 23:57	1°♍00'21	2°56'19	
min. Earth dist.	-3671 Mar 21 j 07:47	0°♍58'55	9.17161 AU	
	-3671 Apr 03 j 21:58	30°℞♌		
direct	-3671 May 31 j 18:04	27°♌40'18		
	-3671 Jul 26 j 06:22	0°♍		
evening set	-3671 Sep 11 j 04:08	4°♍40'34		
conjunction	-3671 Sep 27 j 15:11	6°♍34'35	2°24'49	
minimum elong	-3671 Sep 27 j 15:11	6°♍34'35	2°24'53	
max. Earth dist.	-3671 Sep 27 j 04:47	6°♍31'34	11.18106 AU	
morning rise	-3671 Oct 13 j 23:54	8°♍27'59		
retrograde	-3670 Jan 21 j 10:00	15°♍17'47		
opposition	-3670 Apr 01 j 18:51	12°♍01'34	2°54'48	
min. Earth dist.	-3670 Apr 02 j 04:55	11°♍59'44	9.18820 AU	
direct	-3670 Jun 12 j 10:01	8°♍42'12		
evening set	-3670 Sep 22 j 05:55	15°♍39'55		
conjunction	-3670 Oct 08 j 15:29	17°♍33'35	2°20'56	
minimum elong	-3670 Oct 08 j 15:30	17°♍33'36	2°20'58	

Attention, astronomical year style is used: The year -3670 in astronomical counting style is the year 3671 BCE in historical counting style.

max. Earth dist.	-3670 Oct 08 j 02:59	17°♍29'57	11.18419 AU
morning rise	-3670 Oct 24 j 23:44	19°♍26'54	
retrograde	-3669 Feb 01 j 21:23	26°♍18'44	
opposition	-3669 Apr 13 j 14:05	23°♍02'01	2°46'55
min. Earth dist.	-3669 Apr 14 j 01:16	22°♍59'59	9.17766 AU
direct	-3669 Jun 24 j 01:21	19°♍43'10	
evening set	-3669 Oct 03 j 06:26	26°♍39'44	
conjunction	-3669 Oct 19 j 15:42	28°♍33'38	2°11'50
minimum elong	-3669 Oct 19 j 15:43	28°♍33'39	2°11'51
max. Earth dist.	-3669 Oct 19 j 02:52	28°♍29'53	11.16047 AU
	-3669 Nov 01 j 00:42	0°♎	
morning rise	-3669 Nov 05 j 00:19	0°♎27'26	
retrograde	-3668 Feb 13 j 14:56	7°♎22'56	
opposition	-3668 Apr 24 j 11:13	4°♎05'29	2°32'50
min. Earth dist.	-3668 Apr 24 j 22:29	4°♎03'25	9.14029 AU
direct	-3668 Jul 04 j 15:48	0°♎47'01	
evening set	-3668 Oct 13 j 07:32	7°♎43'45	
conjunction	-3668 Oct 29 j 17:22	9°♎38'28	1°57'45
minimum elong	-3668 Oct 29 j 17:25	9°♎38'29	1°57'43
max. Earth dist.	-3668 Oct 29 j 04:04	9°♎34'33	11.11054 AU
morning rise	-3668 Nov 15 j 03:24	11°♎33'20	
retrograde	-3667 Feb 24 j 11:24	18°♎34'05	
opposition	-3667 May 06 j 11:21	15°♎15'41	2°12'52
min. Earth dist.	-3667 May 06 j 23:13	15°♎13'30	9.07723 AU
direct	-3667 Jul 16 j 04:23	11°♎57'21	
evening set	-3667 Oct 24 j 11:26	18°♎55'50	
conjunction	-3667 Nov 09 j 22:32	20°♎51'51	1°38'59
minimum elong	-3667 Nov 09 j 22:35	20°♎51'51	1°38'56
max. Earth dist.	-3667 Nov 09 j 08:09	20°♎47'35	11.03599 AU
morning rise	-3667 Nov 26 j 11:00	22°♎48'19	
retrograde	-3666 Mar 08 j 14:26	29°♎55'51	
opposition	-3666 May 18 j 15:23	26°♎36'17	1°47'26
min. Earth dist.	-3666 May 19 j 03:54	26°♎33'58	8.99060 AU
direct	-3666 Jul 27 j 21:41	23°♎17'50	
	-3666 Nov 02 j 00:18	0°♏	
evening set	-3666 Nov 04 j 19:44	0°♏19'36	
conjunction	-3666 Nov 21 j 08:57	2°♏17'25	1°16'01
minimum elong	-3666 Nov 21 j 09:00	2°♏17'26	1°15'57
max. Earth dist.	-3666 Nov 20 j 18:38	2°♏13'09	10.93928 AU
morning rise	-3666 Dec 08 j 00:30	4°♏15'59	
retrograde	-3665 Mar 21 j 00:41	11°♏31'49	
opposition	-3665 May 31 j 00:41	8°♏10'52	1°17'07
min. Earth dist.	-3665 May 31 j 12:40	8°♏08'38	8.88341 AU
direct	-3665 Aug 08 j 17:54	4°♏52'07	
evening set	-3665 Nov 16 j 10:16	11°♏58'40	
conjunction	-3665 Dec 03 j 02:20	13°♏58'43	0°49'27
minimum elong	-3665 Dec 03 j 02:22	13°♏58'44	0°49'22
max. Earth dist.	-3665 Dec 02 j 13:44	13°♏54'55	10.82378 AU
	-3665 Dec 11 j 13:13	15°♏	
morning rise	-3665 Dec 19 j 21:23	15°♏59'46	
retrograde	-3664 Apr 01 j 19:43	23°♏25'18	
opposition	-3664 Jun 11 j 16:05	20°♏02'49	0°42'45
min. Earth dist.	-3664 Jun 12 j 02:16	20°♏00'54	8.75966 AU
direct	-3664 Aug 19 j 19:39	16°♏43'32	
evening set	-3664 Nov 27 j 09:21	23°♏56'23	
conjunction	-3664 Dec 14 j 04:39	25°♏59'03	0°20'07
minimum elong	-3664 Dec 14 j 04:39	25°♏59'03	0°20'01
max. Earth dist.	-3664 Dec 13 j 17:43	25°♏55'42	10.69390 AU
morning rise	-3664 Dec 31 j 03:38	28°♏02'56	
	-3663 Jan 16 j 21:51	0°♐	
retrograde	-3663 Apr 15 j 01:45	5°♐39'12	

opposition	-3663 Jun 24 j 14:11	2°♐15'08	0°05'24
min. Earth dist.	-3663 Jun 24 j 22:27	2°♐13'33	8.62431 AU
	-3663 Jul 26 j 22:11	30°℞♏	
desc. node	-3663 Aug 16 j 17:22	29°♏07'23	
direct	-3663 Sep 01 j 02:16	28°♏55'05	
	-3663 Oct 06 j 09:06	0°♐	
evening set	-3663 Dec 09 j 18:31	6°♐15'42	
conjunction	-3663 Dec 26 j 17:13	8°♐21'13	-0°10'58
minimum elong	-3663 Dec 26 j 17:13	8°♐21'13	0°11'06
behind sun begin	-3663 Dec 26 j 11:54	8°♐19'35	
behind sun end	-3663 Dec 26 j 22:32	8°♐22'51	
max. Earth dist.	-3663 Dec 26 j 07:30	8°♐18'12	10.55501 AU
morning rise	-3662 Jan 12 j 20:28	10°♐28'11	
retrograde	-3662 Apr 28 j 16:14	18°♐15'59	
opposition	-3662 Jul 07 j 19:51	14°♐50'18	-0°33'26
min. Earth dist.	-3662 Jul 08 j 02:26	14°♐49'01	8.48315 AU
direct	-3662 Sep 13 j 16:10	11°♐29'15	
evening set	-3662 Dec 22 j 15:05	18°♐58'55	
conjunction	-3661 Jan 08 j 17:26	21°♐07'26	-0°42'19
minimum elong	-3661 Jan 08 j 17:24	21°♐07'25	0°42'28
max. Earth dist.	-3661 Jan 08 j 09:44	21°♐05'00	10.41322 AU
morning rise	-3661 Jan 26 j 00:55	23°♐17'34	
	-3661 Apr 03 j 07:48	0°♑	
retrograde	-3661 May 12 j 15:36	1°♑17'11	
	-3661 Jun 21 j 12:36	30°℞♐	
opposition	-3661 Jul 21 j 09:15	27°♐49'55	-1°11'54
min. Earth dist.	-3661 Jul 21 j 14:01	27°♐48'59	8.34265 AU
direct	-3661 Sep 26 j 15:58	24°♐27'40	
	-3661 Dec 18 j 12:15	0°♑	
evening set	-3660 Jan 05 j 00:17	2°♑07'21	
conjunction	-3660 Jan 22 j 06:30	4°♑18'55	-1°12'23
minimum elong	-3660 Jan 22 j 06:27	4°♑18'54	1°12'32
max. Earth dist.	-3660 Jan 22 j 01:50	4°♑17'26	10.27504 AU
morning rise	-3660 Feb 08 j 18:02	6°♑32'12	
retrograde	-3660 May 26 j 00:28	14°♑43'16	
opposition	-3660 Aug 03 j 05:58	11°♑14'33	-1°47'49
min. Earth dist.	-3660 Aug 03 j 08:22	11°♑14'04	8.20933 AU
direct	-3660 Oct 09 j 00:30	7°♑50'58	
evening set	-3659 Jan 17 j 22:33	15°♑41'11	
conjunction	-3659 Feb 04 j 08:42	17°♑55'46	-1°39'18
minimum elong	-3659 Feb 04 j 08:39	17°♑55'45	1°39'26
max. Earth dist.	-3659 Feb 04 j 07:31	17°♑55'22	10.14709 AU
morning rise	-3659 Feb 21 j 23:59	20°♑12'01	
retrograde	-3659 Jun 09 j 18:13	28°♑33'25	
opposition	-3659 Aug 17 j 09:40	25°♑03'30	-2°18'42
min. Earth dist.	-3659 Aug 17 j 09:12	25°♑03'36	8.08991 AU
direct	-3659 Oct 22 j 17:31	21°♑38'34	
evening set	-3658 Feb 01 j 09:37	29°♑39'20	
	-3658 Feb 04 j 01:51	0°♒	
conjunction	-3658 Feb 18 j 23:35	1°♒56'40	-2°01'05
minimum elong	-3658 Feb 18 j 23:32	1°♒56'39	2°01'13
max. Earth dist.	-3658 Feb 19 j 02:11	1°♒57'31	10.03674 AU
morning rise	-3658 Mar 08 j 18:15	4°♒15'34	
retrograde	-3658 Jun 24 j 18:00	12°♒45'17	
opposition	-3658 Aug 31 j 19:17	9°♒14'29	-2°42'04
min. Earth dist.	-3658 Aug 31 j 15:34	9°♒15'15	7.99226 AU
direct	-3658 Nov 05 j 19:35	5°♒48'13	
evening set	-3657 Feb 16 j 08:12	13°♒58'32	
	-3657 Feb 24 j 04:38	15°♒	
conjunction	-3657 Mar 06 j 01:53	16°♒18'14	-2°15'55
minimum elong	-3657 Mar 06 j 01:51	16°♒18'13	2°16'01

Attention, astronomical year style is used: The year -3657 in astronomical counting style is the year 3658 BCE in historical counting style.

max. Earth dist.	-3657 Mar 06 j 08:07	16°♒20'18	9.95230 AU
morning rise	-3657 Mar 23 j 23:39	18°♒39'17	
retrograde	-3657 Jul 09 j 21:12	27°♒14'08	
opposition	-3657 Sep 15 j 09:09	23°♒42'50	-2°55'42
min. Earth dist.	-3657 Sep 15 j 02:40	23°♒44'11	7.92398 AU
direct	-3657 Nov 20 j 05:45	20°♒15'17	
evening set	-3656 Mar 02 j 15:50	28°♒33'13	
	-3656 Mar 13 j 16:01	0°♓	
conjunction	-3656 Mar 20 j 13:01	0°♓54'43	-2°22'20
minimum elong	-3656 Mar 20 j 13:01	0°♓54'43	2°22'26
max. Earth dist.	-3656 Mar 20 j 22:33	0°♓57'52	9.90049 AU
morning rise	-3656 Apr 07 j 13:26	3°♓17'14	
retrograde	-3656 Jul 24 j 00:26	11°♓53'18	
opposition	-3656 Sep 29 j 01:07	8°♓21'57	-2°58'08
min. Earth dist.	-3656 Sep 28 j 16:33	8°♓23'44	7.89035 AU
direct	-3656 Dec 03 j 22:07	4°♓53'17	
evening set	-3655 Mar 18 j 05:07	13°♓16'06	
conjunction	-3655 Apr 05 j 05:20	15°♓38'38	-2°19'36
minimum elong	-3655 Apr 05 j 05:22	15°♓38'39	2°19'39
max. Earth dist.	-3655 Apr 05 j 17:35	15°♓42'42	9.88533 AU
morning rise	-3655 Apr 23 j 07:43	18°♓01'49	
retrograde	-3655 Aug 08 j 00:26	26°♓34'56	
opposition	-3655 Oct 13 j 16:36	23°♓03'59	-2°48'54
min. Earth dist.	-3655 Oct 13 j 06:34	23°♓06'05	7.89395 AU
direct	-3655 Dec 18 j 18:50	19°♓34'27	
evening set	-3654 Apr 02 j 19:55	27°♓58'55	
	-3654 Apr 18 j 05:02	0°♈	
conjunction	-3654 Apr 20 j 22:31	0°♈21'39	-2°07'49
minimum elong	-3654 Apr 20 j 22:35	0°♈21'41	2°07'50
max. Earth dist.	-3654 Apr 21 j 12:41	0°♈26'20	9.90803 AU
morning rise	-3654 May 09 j 02:01	2°♈44'35	
retrograde	-3654 Aug 22 j 18:32	11°♈10'55	
opposition	-3654 Oct 28 j 05:18	7°♈40'48	-2°28'44
min. Earth dist.	-3654 Oct 27 j 18:18	7°♈43'06	7.93454 AU
direct	-3653 Jan 02 j 17:21	4°♈10'44	
evening set	-3653 Apr 18 j 08:16	12°♈33'33	
conjunction	-3653 May 06 j 12:17	14°♈55'36	-1°47'58
minimum elong	-3653 May 06 j 12:21	14°♈55'38	1°47'56
max. Earth dist.	-3653 May 07 j 03:26	15°♈00'35	9.96675 AU
morning rise	-3653 May 24 j 15:48	17°♈17'24	
retrograde	-3653 Sep 06 j 03:57	25°♈33'52	
opposition	-3653 Nov 11 j 13:03	22°♈04'57	-1°59'27
min. Earth dist.	-3653 Nov 11 j 01:23	22°♈07'23	8.00891 AU
direct	-3652 Jan 17 j 14:30	18°♈34'43	
evening set	-3652 May 02 j 14:51	26°♈52'59	
conjunction	-3652 May 20 j 18:58	29°♈13'28	-1°21'44
minimum elong	-3652 May 20 j 19:01	29°♈13'29	1°21'40
max. Earth dist.	-3652 May 21 j 10:19	29°♈18'26	10.05689 AU
	-3652 May 26 j 18:31	0°♉	
morning rise	-3652 Jun 07 j 21:07	1°♉33'15	
retrograde	-3652 Sep 19 j 03:19	9°♉37'52	
opposition	-3652 Nov 24 j 14:11	6°♉10'27	-1°23'32
min. Earth dist.	-3652 Nov 24 j 02:17	6°♉12'54	8.11170 AU
direct	-3651 Jan 31 j 07:28	2°♉40'26	
evening set	-3651 May 17 j 12:39	10°♉51'47	
conjunction	-3651 Jun 04 j 15:24	13°♉09'57	-0°51'12
minimum elong	-3651 Jun 04 j 15:27	13°♉09'58	0°51'07
max. Earth dist.	-3651 Jun 05 j 06:19	13°♉14'43	10.17211 AU
	-3651 Jun 19 j 00:51	15°♉	
morning rise	-3651 Jun 22 j 14:52	15°♉27'02	
retrograde	-3651 Oct 02 j 16:35	23°♉18'58	
opposition	-3651 Dec 08 j 07:56	19°♉53'13	-0°43'49
min. Earth dist.	-3651 Dec 07 j 20:34	19°♉55'31	8.23613 AU
direct	-3650 Feb 14 j 17:00	16°♉23'44	
evening set	-3650 May 31 j 23:36	24°♉26'35	
conjunction	-3650 Jun 18 j 23:35	26°♉41'51	-0°18'35
minimum elong	-3650 Jun 18 j 23:35	26°♉41'52	0°18'28
max. Earth dist.	-3650 Jun 19 j 13:11	26°♉46'08	10.30496 AU
morning rise	-3650 Jul 06 j 19:11	28°♉55'45	
	-3650 Jul 15 j 14:21	0°♊	
retrograde	-3650 Oct 15 j 21:09	6°♊35'04	
opposition	-3650 Dec 21 j 17:43	3°♊11'05	-0°02'58
min. Earth dist.	-3650 Dec 21 j 07:59	3°♊13'02	8.37457 AU
asc. node	-3649 Jan 18 j 11:14	1°♊06'52	
	-3649 Feb 10 j 08:51	30°℞♉	
direct	-3649 Feb 28 j 18:14	29°♉42'26	
	-3649 Mar 19 j 05:17	0°♊	
evening set	-3649 Jun 14 j 23:06	7°♊36'00	
conjunction	-3649 Jul 02 j 19:02	9°♊48'00	0°14'11
minimum elong	-3649 Jul 02 j 19:01	9°♊48'00	0°14'19
behind sun begin	-3649 Jul 02 j 15:47	9°♊47'00	
behind sun end	-3649 Jul 02 j 22:16	9°♊49'00	
max. Earth dist.	-3649 Jul 03 j 06:13	9°♊51'28	10.44762 AU
morning rise	-3649 Jul 20 j 09:56	11°♊58'28	
retrograde	-3649 Oct 28 j 14:35	19°♊25'56	
opposition	-3648 Jan 03 j 19:37	16°♊03'43	0°36'39
min. Earth dist.	-3648 Jan 03 j 12:24	16°♊05'09	8.51936 AU
direct	-3648 Mar 13 j 11:48	12°♊36'07	
evening set	-3648 Jun 27 j 10:40	20°♊20'13	
conjunction	-3648 Jul 15 j 01:37	22°♊28'48	0°45'16
minimum elong	-3648 Jul 15 j 01:35	22°♊28'48	0°45'24
max. Earth dist.	-3648 Jul 15 j 09:12	22°♊31'08	10.59261 AU
morning rise	-3648 Aug 01 j 11:22	24°♊35'49	
	-3648 Sep 23 j 03:57	0°♋	
retrograde	-3648 Nov 08 j 22:13	1°♋52'45	
	-3648 Dec 27 j 03:18	30°℞♊	
opposition	-3647 Jan 15 j 14:15	28°♊32'14	1°13'11
min. Earth dist.	-3647 Jan 15 j 09:13	28°♊33'13	8.66324 AU
direct	-3647 Mar 26 j 21:40	25°♊05'52	
	-3647 Jun 16 j 16:51	0°♋	
evening set	-3647 Jul 10 j 10:22	2°♋40'43	
conjunction	-3647 Jul 27 j 19:57	4°♋45'58	1°13'24
minimum elong	-3647 Jul 27 j 19:54	4°♋45'57	1°13'33
max. Earth dist.	-3647 Jul 28 j 00:11	4°♋47'15	10.73306 AU
morning rise	-3647 Aug 14 j 00:25	6°♋49'40	
retrograde	-3647 Nov 21 j 00:04	13°♋57'41	
opposition	-3646 Jan 28 j 02:14	10°♋38'39	1°45'15
min. Earth dist.	-3646 Jan 27 j 23:01	10°♋39'16	8.79957 AU
direct	-3646 Apr 08 j 21:53	7°♋13'40	
evening set	-3646 Jul 22 j 23:20	14°♋39'52	
conjunction	-3646 Aug 09 j 03:38	16°♋42'02	1°37'35
minimum elong	-3646 Aug 09 j 03:35	16°♋42'01	1°37'44
max. Earth dist.	-3646 Aug 09 j 05:17	16°♋42'32	10.86284 AU
morning rise	-3646 Aug 26 j 02:52	18°♋42'43	
retrograde	-3646 Dec 02 j 19:31	25°♋43'29	
opposition	-3645 Feb 09 j 08:25	22°♋25'44	2°11'56
min. Earth dist.	-3645 Feb 09 j 07:17	22°♋25'57	8.92254 AU
direct	-3645 Apr 21 j 13:44	19°♋02'08	
evening set	-3645 Aug 04 j 02:41	26°♋20'34	
conjunction	-3645 Aug 21 j 01:57	28°♋20'00	1°57'10
minimum elong	-3645 Aug 21 j 01:54	28°♋20'00	1°57'17
max. Earth dist.	-3645 Aug 21 j 01:21	28°♋19'50	10.97666 AU

Attention, astronomical year style is used: The year -3645 in astronomical counting style is the year 3646 BCE in historical counting style.

	-3645 Sep 04 j 05:57	0°♌	
morning rise	-3645 Sep 06 j 20:21	0°♌18'06	
retrograde	-3645 Dec 14 j 11:26	7°♌13'22	
opposition	-3644 Feb 21 j 10:21	3°♌56'39	2°32'36
min. Earth dist.	-3644 Feb 21 j 12:11	3°♌56'19	9.02739 AU
direct	-3644 May 02 j 22:24	0°♌34'22	
evening set	-3644 Aug 14 j 21:36	7°♌46'01	
conjunction	-3644 Aug 31 j 16:14	9°♌43'11	2°11'40
minimum elong	-3644 Aug 31 j 16:12	9°♌43'11	2°11'47
max. Earth dist.	-3644 Aug 31 j 12:22	9°♌42'03	11.07037 AU
morning rise	-3644 Sep 17 j 06:40	11°♌39'11	
	-3644 Oct 18 j 16:07	15°♌	
retrograde	-3644 Dec 24 j 22:32	18°♌30'42	
opposition	-3643 Mar 04 j 08:55	15°♌14'41	2°46'55
min. Earth dist.	-3643 Mar 04 j 13:37	15°♌13'49	9.11037 AU
	-3643 Mar 07 j 16:21	15°℞♌	
direct	-3643 May 15 j 00:14	11°♌53'37	
	-3643 Jul 18 j 20:20	15°♌	
evening set	-3643 Aug 26 j 09:40	18°♌59'37	
conjunction	-3643 Sep 12 j 00:26	20°♌55'01	2°20'54
minimum elong	-3643 Sep 12 j 00:25	20°♌55'01	2°20'59
max. Earth dist.	-3643 Sep 11 j 17:20	20°♌52'57	11.14081 AU
morning rise	-3643 Sep 28 j 11:54	22°♌49'29	
retrograde	-3642 Jan 05 j 08:19	29°♌38'56	
opposition	-3642 Mar 16 j 04:54	26°♌23'17	2°54'45
min. Earth dist.	-3642 Mar 16 j 11:36	26°♌22'04	9.16858 AU
direct	-3642 May 26 j 23:19	23°♌03'16	
	-3642 Sep 05 j 23:19	0°♍	
evening set	-3642 Sep 06 j 16:17	0°♍04'49	
conjunction	-3642 Sep 23 j 04:18	1°♍59'02	2°24'43
minimum elong	-3642 Sep 23 j 04:18	1°♍59'02	2°24'47
max. Earth dist.	-3642 Sep 22 j 19:23	1°♍56'27	11.18551 AU
morning rise	-3642 Oct 09 j 13:37	3°♍52'32	
retrograde	-3641 Jan 16 j 19:32	10°♍41'35	
opposition	-3641 Mar 27 j 23:50	7°♍25'57	2°56'03
min. Earth dist.	-3641 Mar 28 j 07:55	7°♍24'29	9.19977 AU
direct	-3641 Jun 07 j 17:19	4°♍06'50	
evening set	-3641 Sep 17 j 19:09	11°♍05'08	
conjunction	-3641 Oct 04 j 05:21	12°♍58'46	2°23'10
minimum elong	-3641 Oct 04 j 05:21	12°♍58'46	2°23'13
max. Earth dist.	-3641 Oct 03 j 18:56	12°♍55'44	11.20261 AU
morning rise	-3641 Oct 20 j 13:29	14°♍51'53	
retrograde	-3640 Jan 28 j 06:57	21°♍42'11	
opposition	-3640 Apr 07 j 18:55	18°♍26'16	2°50'57
min. Earth dist.	-3640 Apr 08 j 04:59	18°♍24'26	9.20261 AU
direct	-3640 Jun 18 j 07:39	15°♍07'47	
evening set	-3640 Sep 27 j 20:10	22°♍04'16	
conjunction	-3640 Oct 14 j 05:23	23°♍57'51	2°16'20
minimum elong	-3640 Oct 14 j 05:24	23°♍57'51	2°16'22
max. Earth dist.	-3640 Oct 13 j 16:27	23°♍54'05	11.19120 AU
morning rise	-3640 Oct 30 j 13:37	25°♍51'13	
	-3640 Dec 10 j 01:33	0°♎	
retrograde	-3639 Feb 07 j 21:04	2°♎44'26	
	-3639 Apr 12 j 06:21	30°℞♍	
opposition	-3639 Apr 19 j 15:09	29°♍27'55	2°39'34
min. Earth dist.	-3639 Apr 20 j 03:31	29°♍25'40	9.17650 AU
direct	-3639 Jun 29 j 21:35	26°♍09'49	
	-3639 Sep 09 j 21:47	0°♎	
evening set	-3639 Oct 08 j 20:54	3°♎05'57	
conjunction	-3639 Oct 25 j 06:12	5°♎00'06	2°04'26
minimum elong	-3639 Oct 25 j 06:14	5°♎00'06	2°04'25
max. Earth dist.	-3639 Oct 24 j 15:20	4°♎55'45	11.15112 AU
morning rise	-3639 Nov 10 j 15:35	6°♎54'19	
retrograde	-3638 Feb 19 j 14:26	13°♎52'10	
opposition	-3638 May 01 j 13:45	10°♎34'43	2°22'11
min. Earth dist.	-3638 May 02 j 03:02	10°♎32'18	9.12194 AU
direct	-3638 Jul 11 j 11:43	7°♎16'47	
evening set	-3638 Oct 19 j 23:21	14°♎14'07	
conjunction	-3638 Nov 05 j 09:47	16°♎09'24	1°47'42
minimum elong	-3638 Nov 05 j 09:50	16°♎09'25	1°47'39
max. Earth dist.	-3638 Nov 04 j 18:49	16°♎04'59	11.08363 AU
morning rise	-3638 Nov 21 j 21:00	18°♎05'00	
retrograde	-3637 Mar 03 j 16:12	25°♎09'08	
opposition	-3637 May 13 j 15:57	21°♎50'30	1°59'09
min. Earth dist.	-3637 May 14 j 04:59	21°♎48'06	9.04113 AU
direct	-3637 Jul 23 j 04:41	18°♎32'28	
evening set	-3637 Oct 31 j 05:31	25°♎32'29	
conjunction	-3637 Nov 16 j 17:49	27°♎29'24	1°26'32
minimum elong	-3637 Nov 16 j 17:52	27°♎29'25	1°26'29
max. Earth dist.	-3637 Nov 16 j 03:02	27°♎25'01	10.99158 AU
morning rise	-3637 Dec 03 j 07:43	29°♎26'55	
	-3637 Dec 08 j 02:15	0°♏	
retrograde	-3636 Mar 14 j 23:35	6°♏38'50	
opposition	-3636 May 24 j 22:59	3°♏18'45	1°30'57
min. Earth dist.	-3636 May 25 j 11:34	3°♏16'25	8.93749 AU
direct	-3636 Aug 02 j 21:49	0°♏00'20	
evening set	-3636 Nov 10 j 17:12	7°♏04'34	
conjunction	-3636 Nov 27 j 07:54	9°♏03'34	1°01'30
minimum elong	-3636 Nov 27 j 07:56	9°♏03'35	1°01'25
max. Earth dist.	-3636 Nov 26 j 16:46	8°♏59'01	10.87864 AU
morning rise	-3636 Dec 14 j 01:20	11°♏03'28	
	-3635 Jan 19 j 14:35	15°♏	
retrograde	-3635 Mar 27 j 14:09	18°♏24'34	
opposition	-3635 Jun 06 j 11:42	15°♏02'50	0°58'17
min. Earth dist.	-3635 Jun 07 j 00:07	15°♏00'30	8.81507 AU
	-3635 Jun 07 j 02:45	15°℞♏	
direct	-3635 Aug 14 j 20:51	11°♏43'45	
	-3635 Oct 17 j 18:16	15°♏	
evening set	-3635 Nov 22 j 12:23	18°♏53'45	
conjunction	-3635 Dec 09 j 06:03	20°♏55'15	0°33'18
minimum elong	-3635 Dec 09 j 06:05	20°♏55'16	0°33'12
max. Earth dist.	-3635 Dec 08 j 15:49	20°♏50'55	10.74911 AU
morning rise	-3635 Dec 26 j 03:24	22°♏57'54	
	-3634 Mar 16 j 04:05	0°♐	
retrograde	-3634 Apr 09 j 14:31	0°♐29'24	
	-3634 May 04 j 06:06	30°℞♏	
opposition	-3634 Jun 19 j 06:45	27°♏05'55	0°22'08
min. Earth dist.	-3634 Jun 19 j 18:02	27°♏03'46	8.67877 AU
direct	-3634 Aug 27 j 01:57	23°♏45'56	
	-3634 Nov 25 j 20:21	0°♐	
evening set	-3634 Dec 04 j 16:42	1°♐03'14	
conjunction	-3634 Dec 21 j 13:53	3°♐07'32	0°02'56
minimum elong	-3634 Dec 21 j 13:53	3°♐07'32	0°02'49
behind sun begin	-3634 Dec 21 j 06:50	3°♐05'23	
behind sun end	-3634 Dec 21 j 20:56	3°♐09'41	
max. Earth dist.	-3634 Dec 21 j 02:06	3°♐03'54	10.60819 AU
morning rise	-3633 Jan 07 j 15:16	5°♐13'12	
desc. node	-3633 Jan 25 j 08:41	7°♐17'54	
retrograde	-3633 Apr 22 j 23:48	12°♐56'09	
opposition	-3633 Jul 02 j 09:07	9°♐30'49	-0°16'14
min. Earth dist.	-3633 Jul 02 j 18:01	9°♐29'06	8.53432 AU
direct	-3633 Sep 08 j 13:33	6°♐09'47	
evening set	-3633 Dec 17 j 07:52	13°♐35'44	

Attention, astronomical year style is used: The year -3632 in astronomical counting style is the year 3633 BCE in historical counting style.

conjunction	-3632 Jan 03 j 08:47	15°♐43'03	-0°28'33	
minimum elong	-3632 Jan 03 j 08:45	15°♐43'03	0°28'41	
max. Earth dist.	-3632 Jan 02 j 24:00	15°♐40'18	10.46198 AU	
morning rise	-3632 Jan 20 j 14:18	17°♐51'55		
retrograde	-3632 May 05 j 19:48	25°♐46'52		
opposition	-3632 Jul 14 j 19:06	22°♐19'45	-0°55'08	
min. Earth dist.	-3632 Jul 15 j 00:57	22°♐18'36	8.38821 AU	
direct	-3632 Sep 20 j 09:16	18°♐57'31		
evening set	-3632 Dec 29 j 11:33	26°♐33'15		
conjunction	-3631 Jan 15 j 16:12	28°♐43'42	-0°59'25	
minimum elong	-3631 Jan 15 j 16:10	28°♐43'42	0°59'34	
max. Earth dist.	-3631 Jan 15 j 09:59	28°♐41'43	10.31732 AU	
	-3631 Jan 25 j 16:18	0°♑		
morning rise	-3631 Feb 02 j 01:54	0°♑55'49		
retrograde	-3631 May 20 j 02:09	9°♑02'39		
opposition	-3631 Jul 28 j 12:42	5°♑33'56	-1°32'31	
min. Earth dist.	-3631 Jul 28 j 15:49	5°♑33'19	8.24760 AU	
direct	-3631 Oct 03 j 12:22	2°♑10'21		
evening set	-3630 Jan 12 j 04:16	9°♑56'40		
conjunction	-3630 Jan 29 j 12:39	12°♑10'11	-1°27'59	
minimum elong	-3630 Jan 29 j 12:36	12°♑10'10	1°28'07	
max. Earth dist.	-3630 Jan 29 j 09:19	12°♑09'06	10.18174 AU	
morning rise	-3630 Feb 16 j 02:22	14°♑25'25		
retrograde	-3630 Jun 03 j 17:21	22°♑43'19		
opposition	-3630 Aug 11 j 13:51	19°♑13'14	-2°05'59	
min. Earth dist.	-3630 Aug 11 j 14:19	19°♑13'08	8.12015 AU	
direct	-3630 Oct 17 j 01:06	15°♑48'16		
evening set	-3629 Jan 26 j 09:53	23°♑45'16		
conjunction	-3629 Feb 12 j 22:05	26°♑01'38	-1°52'17	
minimum elong	-3629 Feb 12 j 22:01	26°♑01'37	1°52'25	
max. Earth dist.	-3629 Feb 12 j 22:18	26°♑01'43	10.06302 AU	
morning rise	-3629 Mar 02 j 15:30	28°♑19'42		
	-3629 Mar 15 j 23:34	0°♒		
retrograde	-3629 Jun 18 j 14:14	6°♒46'53		
opposition	-3629 Aug 25 j 21:31	3°♒15'47	-2°32'59	
min. Earth dist.	-3629 Aug 25 j 19:18	3°♒16'14	8.01347 AU	
	-3629 Oct 17 j 11:12	30°℞♑		
direct	-3629 Oct 31 j 00:45	29°♑49'27		
	-3629 Nov 13 j 12:58	0°♒		
evening set	-3628 Feb 10 j 03:51	7°♒56'27		
conjunction	-3628 Feb 27 j 19:52	10°♒15'22	-2°10'24	
minimum elong	-3628 Feb 27 j 19:49	10°♒15'21	2°10'30	
max. Earth dist.	-3628 Feb 28 j 00:13	10°♒16'48	9.96863 AU	
morning rise	-3628 Mar 16 j 16:35	12°♒35'48		
	-3628 Apr 04 j 21:44	15°♒		
retrograde	-3628 Jul 02 j 15:26	21°♒09'27		
opposition	-3628 Sep 08 j 09:58	17°♒37'44	-2°51'08	
min. Earth dist.	-3628 Sep 08 j 04:55	17°♒38'47	7.93444 AU	
	-3628 Oct 14 j 12:00	15°℞♒		
direct	-3628 Nov 13 j 08:34	14°♒10'10		
	-3628 Dec 12 j 21:08	15°♒		
evening set	-3627 Feb 24 j 08:03	22°♒25'37		
conjunction	-3627 Mar 14 j 03:46	24°♒46'34	-2°20'39	
minimum elong	-3627 Mar 14 j 03:45	24°♒46'34	2°20'44	
max. Earth dist.	-3627 Mar 14 j 12:24	24°♒49'26	9.90507 AU	
morning rise	-3627 Apr 01 j 03:14	27°♒08'44		
	-3627 Apr 24 j 00:08	0°♓		
retrograde	-3627 Jul 17 j 18:37	5°♓45'16		
opposition	-3627 Sep 23 j 01:32	2°♓13'25	-2°58'34	
min. Earth dist.	-3627 Sep 22 j 17:26	2°♓15'06	7.88856 AU	
	-3627 Oct 21 j 23:41	30°℞♒		
direct	-3627 Nov 27 j 22:55	28°♒44'48		
	-3626 Jan 03 j 10:49	0°♓		
evening set	-3626 Mar 11 j 19:16	7°♓06'15		
conjunction	-3626 Mar 29 j 18:19	9°♓28'34	-2°21'56	
minimum elong	-3626 Mar 29 j 18:20	9°♓28'34	2°22'00	
max. Earth dist.	-3626 Mar 30 j 06:54	9°♓32'44	9.87706 AU	
morning rise	-3626 Apr 16 j 19:59	11°♓51'42		
retrograde	-3626 Aug 01 j 20:41	20°♓27'05		
opposition	-3626 Oct 07 j 17:48	16°♓55'34	-2°54'22	
min. Earth dist.	-3626 Oct 07 j 07:04	16°♓57'49	7.87934 AU	
direct	-3626 Dec 12 j 17:34	13°♓26'10		
evening set	-3625 Mar 27 j 10:06	21°♓50'37		
conjunction	-3625 Apr 14 j 11:58	24°♓13'30	-2°14'00	
minimum elong	-3625 Apr 14 j 12:00	24°♓13'31	2°14'02	
max. Earth dist.	-3625 Apr 15 j 03:32	24°♓18'39	9.88696 AU	
morning rise	-3625 May 02 j 15:04	26°♓36'45		
	-3625 May 30 j 02:45	0°♈		
retrograde	-3625 Aug 16 j 19:05	5°♈06'54		
opposition	-3625 Oct 22 j 08:12	1°♈36'13	-2°38'44	
min. Earth dist.	-3625 Oct 21 j 19:47	1°♈38'49	7.90771 AU	
	-3625 Nov 11 j 06:02	30°℞♓		
direct	-3625 Dec 27 j 15:07	28°♓06'21		
	-3624 Feb 11 j 10:02	0°♈		
evening set	-3624 Apr 11 j 00:32	6°♈30'32		
conjunction	-3624 Apr 29 j 04:15	8°♈53'05	-1°57'26	
minimum elong	-3624 Apr 29 j 04:19	8°♈53'06	1°57'26	
max. Earth dist.	-3624 Apr 29 j 21:36	8°♈58'48	9.93417 AU	
morning rise	-3624 May 17 j 07:48	11°♈15'32		
retrograde	-3624 Aug 30 j 09:51	19°♈36'59		
opposition	-3624 Nov 04 j 18:47	16°♈07'33	-2°13'03	
min. Earth dist.	-3624 Nov 04 j 05:44	16°♈10'17	7.97173 AU	
direct	-3623 Jan 10 j 12:53	12°♈37'34		
evening set	-3623 Apr 26 j 10:33	20°♈58'20		
conjunction	-3623 May 14 j 14:50	23°♈19'38	-1°33'40	
minimum elong	-3623 May 14 j 14:54	23°♈19'39	1°33'38	
max. Earth dist.	-3623 May 15 j 08:32	23°♈25'24	10.01526 AU	
morning rise	-3623 Jun 01 j 17:36	25°♈40'24		
	-3623 Jul 08 j 11:53	0°♉		
retrograde	-3623 Sep 13 j 14:43	3°♉50'39		
opposition	-3623 Nov 18 j 23:31	0°♉22'48	-1°39'36	
min. Earth dist.	-3623 Nov 18 j 10:54	0°♉25'25	8.06699 AU	
	-3623 Nov 23 j 14:01	30°℞♈		
direct	-3622 Jan 25 j 07:50	26°♈53'01		
	-3622 Mar 27 j 05:12	0°♉		
evening set	-3622 May 11 j 12:59	5°♉07'43		
conjunction	-3622 May 29 j 16:25	7°♉26'57	-1°04'41	
minimum elong	-3622 May 29 j 16:28	7°♉26'58	1°04'37	
max. Earth dist.	-3622 May 30 j 08:57	7°♉32'16	10.12456 AU	
morning rise	-3622 Jun 16 j 17:11	9°♉45'16		
	-3622 Aug 02 j 15:56	15°♉		
retrograde	-3622 Sep 27 j 08:54	17°♉42'53		
	-3622 Nov 23 j 23:45	15°℞♉		
opposition	-3622 Dec 02 j 20:57	14°♉16'48	-1°01'07	
min. Earth dist.	-3622 Dec 02 j 09:15	14°♉19'11	8.18702 AU	
direct	-3621 Feb 08 j 21:18	10°♉47'31		
	-3621 Apr 22 j 12:07	15°♉		
evening set	-3621 May 26 j 05:26	18°♉54'12		
conjunction	-3621 Jun 13 j 06:37	21°♉10'43	-0°32'41	
minimum elong	-3621 Jun 13 j 06:39	21°♉10'43	0°32'34	
max. Earth dist.	-3621 Jun 13 j 20:57	21°♉15'15	10.25452 AU	
morning rise	-3621 Jul 01 j 04:08	23°♉26'00		
	-3621 Sep 04 j 14:34	0°♊		

Attention, astronomical year style is used: The year -3621 in astronomical counting style is the year 3622 BCE in historical counting style.

retrograde	-3621 Oct 10 j 16:54	1°♊10'39	
	-3621 Nov 16 j 06:33	30°℞♉	
opposition	-3621 Dec 16 j 10:29	27°♉46'24	-0°20'25
min. Earth dist.	-3621 Dec 16 j 00:02	27°♉48'30	8.32367 AU
direct	-3620 Feb 23 j 03:44	24°♉17'52	
	-3620 May 20 j 08:39	0°♊	
evening set	-3620 Jun 08 j 10:23	2°♊15'24	
asc. node	-3620 Jun 23 j 07:55	4°♊06'11	
conjunction	-3620 Jun 26 j 08:02	4°♊28'44	0°00'17
minimum elong	-3620 Jun 26 j 08:01	4°♊28'44	0°00'24
behind sun begin	-3620 Jun 26 j 00:47	4°♊26'30	
behind sun end	-3620 Jun 26 j 15:16	4°♊30'58	
max. Earth dist.	-3620 Jun 26 j 19:40	4°♊32'21	10.39643 AU
morning rise	-3620 Jul 14 j 01:10	6°♊40'37	
retrograde	-3620 Oct 22 j 14:06	14°♊12'55	
opposition	-3620 Dec 28 j 15:55	10°♊50'28	0°19'58
min. Earth dist.	-3620 Dec 28 j 07:01	10°♊52'13	8.46812 AU
direct	-3619 Mar 08 j 02:10	7°♊22'56	
evening set	-3619 Jun 22 j 03:16	15°♊10'56	
conjunction	-3619 Jul 09 j 20:27	17°♊20'54	0°32'15
minimum elong	-3619 Jul 09 j 20:25	17°♊20'54	0°32'23
max. Earth dist.	-3619 Jul 10 j 05:21	17°♊23'38	10.54154 AU
morning rise	-3619 Jul 27 j 08:28	19°♊29'19	
retrograde	-3619 Nov 04 j 03:08	26°♊50'32	
opposition	-3618 Jan 10 j 13:43	23°♊29'48	0°58'01
min. Earth dist.	-3618 Jan 10 j 07:17	23°♊31'03	8.61214 AU
direct	-3618 Mar 21 j 14:49	20°♊03'25	
evening set	-3618 Jul 05 j 08:16	27°♊42'07	
conjunction	-3618 Jul 22 j 20:22	29°♊48'46	1°01'48
minimum elong	-3618 Jul 22 j 20:19	29°♊48'45	1°01'57
max. Earth dist.	-3618 Jul 23 j 02:17	29°♊50'34	10.68245 AU
	-3618 Jul 24 j 09:22	0°♋	
morning rise	-3618 Aug 09 j 03:00	1°♋53'48	
retrograde	-3618 Nov 16 j 09:29	9°♋05'32	
opposition	-3617 Jan 23 j 04:44	5°♋46'20	1°32'09
min. Earth dist.	-3617 Jan 23 j 01:28	5°♋46'58	8.74925 AU
direct	-3617 Apr 03 j 17:21	2°♋21'11	
evening set	-3617 Jul 18 j 02:22	9°♋51'09	
conjunction	-3617 Aug 04 j 08:58	11°♋54'37	1°27'47
minimum elong	-3617 Aug 04 j 08:55	11°♋54'37	1°27'56
max. Earth dist.	-3617 Aug 04 j 11:02	11°♋55'15	10.81355 AU
morning rise	-3617 Aug 21 j 10:19	13°♋56'34	
retrograde	-3617 Nov 28 j 06:10	21°♋00'25	
opposition	-3616 Feb 04 j 13:46	17°♋42'30	2°01'15
min. Earth dist.	-3616 Feb 04 j 13:36	17°♋42'32	8.87432 AU
direct	-3616 Apr 15 j 13:49	14°♋18'33	
evening set	-3616 Jul 29 j 10:12	21°♋40'32	
conjunction	-3616 Aug 15 j 11:29	23°♋41'08	1°49'25
minimum elong	-3616 Aug 15 j 11:25	23°♋41'07	1°49'33
max. Earth dist.	-3616 Aug 15 j 09:40	23°♋40'36	10.93022 AU
morning rise	-3616 Sep 01 j 08:00	25°♋40'20	
	-3616 Oct 12 j 22:42	0°♌	
retrograde	-3616 Dec 08 j 23:02	2°♌38'04	
	-3615 Feb 07 j 01:13	30°℞♋	
opposition	-3615 Feb 15 j 17:48	29°♋21'07	2°24'34
min. Earth dist.	-3615 Feb 15 j 19:46	29°♋20'44	8.98280 AU
direct	-3615 Apr 28 j 03:31	25°♋58'20	
	-3615 Jul 11 j 12:17	0°♌	
evening set	-3615 Aug 10 j 08:46	3°♌13'08	
conjunction	-3615 Aug 27 j 05:20	5°♌11'19	2°06'08
minimum elong	-3615 Aug 27 j 05:17	5°♌11'18	2°06'15
max. Earth dist.	-3615 Aug 27 j 01:02	5°♌10'03	11.02829 AU
morning rise	-3615 Sep 12 j 21:33	7°♌08'14	
retrograde	-3615 Dec 20 j 12:53	14°♌01'33	
opposition	-3614 Feb 27 j 17:48	10°♌45'12	2°41'39
min. Earth dist.	-3614 Feb 27 j 21:38	10°♌44'30	9.07072 AU
direct	-3614 May 10 j 08:43	7°♌23'31	
evening set	-3614 Aug 21 j 23:49	14°♌32'12	
	-3614 Aug 26 j 00:32	15°♌	
conjunction	-3614 Sep 07 j 16:23	16°♌28'27	2°17'39
minimum elong	-3614 Sep 07 j 16:21	16°♌28'26	2°17'44
max. Earth dist.	-3614 Sep 07 j 10:10	16°♌26'38	11.10426 AU
morning rise	-3614 Sep 24 j 04:59	18°♌23'37	
retrograde	-3614 Dec 31 j 23:51	25°♌14'09	
opposition	-3613 Mar 11 j 14:53	21°♌58'09	2°52'17
min. Earth dist.	-3613 Mar 11 j 21:12	21°♌56'59	9.13510 AU
direct	-3613 May 22 j 08:44	18°♌37'24	
evening set	-3613 Sep 02 j 08:49	25°♌41'10	
conjunction	-3613 Sep 18 j 22:03	27°♌35'59	2°23'47
minimum elong	-3613 Sep 18 j 22:02	27°♌35'59	2°23'51
max. Earth dist.	-3613 Sep 18 j 13:12	27°♌33'25	11.15575 AU
morning rise	-3613 Oct 05 j 08:09	29°♌29'58	
	-3613 Oct 09 j 18:14	0°♍	
retrograde	-3612 Jan 12 j 09:47	6°♍19'25	
opposition	-3612 Mar 22 j 10:32	3°♍03'27	2°56'23
min. Earth dist.	-3612 Mar 22 j 19:31	3°♍01'48	9.17400 AU
	-3612 May 14 j 09:54	30°℞♌	
direct	-3612 Jun 02 j 04:01	29°♌43'29	
	-3612 Jun 20 j 19:51	0°♍	
evening set	-3612 Sep 12 j 13:11	6°♍43'33	
conjunction	-3612 Sep 29 j 00:01	8°♍37'31	2°24'31
minimum elong	-3612 Sep 29 j 00:01	8°♍37'31	2°24'34
max. Earth dist.	-3612 Sep 28 j 12:33	8°♍34'11	11.18130 AU
morning rise	-3612 Oct 15 j 08:45	10°♍30'55	
retrograde	-3611 Jan 22 j 19:00	17°♍20'59	
opposition	-3611 Apr 03 j 05:33	14°♍04'43	2°54'00
min. Earth dist.	-3611 Apr 03 j 15:58	14°♍02'48	9.18625 AU
direct	-3611 Jun 13 j 20:36	10°♍45'23	
evening set	-3611 Sep 23 j 14:50	17°♍43'04	
conjunction	-3611 Oct 10 j 00:27	19°♍36'47	2°19'54
minimum elong	-3611 Oct 10 j 00:29	19°♍36'47	2°19'56
max. Earth dist.	-3611 Oct 09 j 12:02	19°♍33'10	11.18011 AU
morning rise	-3611 Oct 26 j 08:43	21°♍30'10	
retrograde	-3610 Feb 03 j 09:17	28°♍22'28	
opposition	-3610 Apr 15 j 01:00	25°♍05'39	2°45'15
min. Earth dist.	-3610 Apr 15 j 12:01	25°♍03'38	9.17140 AU
direct	-3610 Jun 25 j 12:19	21°♍46'48	
evening set	-3610 Oct 04 j 15:33	28°♍43'29	
	-3610 Oct 15 j 16:23	0°♎	
max. Earth dist.	-3610 Oct 20 j 11:59	0°♎33'45	11.15214 AU
conjunction	-3610 Oct 21 j 00:57	0°♎37'32	2°10'07
minimum elong	-3610 Oct 21 j 00:59	0°♎37'32	2°10'07
morning rise	-3610 Nov 06 j 09:41	2°♎31'29	
retrograde	-3609 Feb 15 j 01:47	9°♎27'38	
opposition	-3609 Apr 26 j 22:37	6°♎10'02	2°30'21
min. Earth dist.	-3609 Apr 27 j 10:22	6°♎07'53	9.12986 AU
direct	-3609 Jul 07 j 00:56	2°♎51'30	
evening set	-3609 Oct 15 j 17:08	9°♎48'37	
conjunction	-3609 Nov 01 j 03:02	11°♎43'31	1°55'22
minimum elong	-3609 Nov 01 j 03:05	11°♎43'31	1°55'20
max. Earth dist.	-3609 Oct 31 j 12:42	11°♎39'18	11.09826 AU
morning rise	-3609 Nov 17 j 13:24	13°♎38'36	

Attention, astronomical year style is used: The year -3608 in astronomical counting style is the year 3609 BCE in historical counting style.

retrograde	-3608 Feb 26 j 23:35	20°♎40'15	
opposition	-3608 May 07 j 23:26	17°♎21'39	2°09'37
min. Earth dist.	-3608 May 08 j 12:11	17°♎19'18	9.06305 AU
direct	-3608 Jul 17 j 15:52	14°♎03'11	
evening set	-3608 Oct 25 j 21:34	21°♎02'15	
conjunction	-3608 Nov 11 j 08:55	22°♎58'32	1°36'00
minimum elong	-3608 Nov 11 j 08:58	22°♎58'32	1°35'57
max. Earth dist.	-3608 Nov 10 j 18:02	22°♎54'07	11.02021 AU
morning rise	-3608 Nov 27 j 21:48	24°♎55'18	
	-3607 Jan 17 j 15:59	0°♏	
retrograde	-3607 Mar 10 j 02:50	2°♏03'57	
	-3607 May 02 j 15:44	30°℞♎	
opposition	-3607 May 20 j 04:16	28°♎44'08	1°43'28
min. Earth dist.	-3607 May 20 j 17:03	28°♎41'46	8.97318 AU
direct	-3607 Jul 29 j 08:57	25°♎25'32	
	-3607 Oct 15 j 04:55	0°♏	
evening set	-3607 Nov 06 j 06:40	2°♏28'05	
conjunction	-3607 Nov 22 j 20:20	4°♏26'14	1°12'30
minimum elong	-3607 Nov 22 j 20:23	4°♏26'15	1°12'26
max. Earth dist.	-3607 Nov 22 j 06:33	4°♏22'06	10.92048 AU
morning rise	-3607 Dec 09 j 12:16	6°♏25'08	
retrograde	-3606 Mar 22 j 14:45	13°♏42'20	
opposition	-3606 Jun 01 j 14:24	10°♏21'05	1°12'33
min. Earth dist.	-3606 Jun 02 j 01:52	10°♏18'56	8.86325 AU
direct	-3606 Aug 10 j 06:45	7°♏02'09	
evening set	-3606 Nov 17 j 22:24	14°♏09'43	
	-3606 Nov 24 j 22:48	15°♏	
conjunction	-3606 Dec 04 j 14:54	16°♏10'09	0°45'30
minimum elong	-3606 Dec 04 j 14:55	16°♏10'10	0°45'24
max. Earth dist.	-3606 Dec 04 j 02:29	16°♏06'24	10.80252 AU
morning rise	-3606 Dec 21 j 10:22	18°♏11'36	
retrograde	-3605 Apr 04 j 12:48	25°♏38'40	
opposition	-3605 Jun 14 j 06:51	22°♏15'54	0°37'41
min. Earth dist.	-3605 Jun 14 j 16:39	22°♏14'02	8.73744 AU
direct	-3605 Aug 22 j 08:20	18°♏56'25	
evening set	-3605 Nov 29 j 22:52	26°♏10'30	
conjunction	-3605 Dec 16 j 18:29	28°♏13'34	0°15'52
minimum elong	-3605 Dec 16 j 18:30	28°♏13'34	0°15'46
behind sun begin	-3605 Dec 16 j 16:49	28°♏13'03	
behind sun end	-3605 Dec 16 j 20:11	28°♏14'04	
max. Earth dist.	-3605 Dec 16 j 07:03	28°♏10'04	10.67107 AU
	-3605 Dec 31 j 06:41	0°♐	
morning rise	-3604 Jan 02 j 18:02	0°♐17'54	
retrograde	-3604 Apr 16 j 18:48	7°♐55'52	
opposition	-3604 Jun 26 j 06:19	4°♐31'32	0°00'02
desc. node	-3604 Jun 26 j 14:38	4°♐29'56	
min. Earth dist.	-3604 Jun 26 j 14:43	4°♐29'55	8.60104 AU
direct	-3604 Sep 02 j 15:30	1°♐11'15	
evening set	-3604 Dec 11 j 09:34	8°♐33'19	
conjunction	-3604 Dec 28 j 08:41	10°♐39'16	-0°15'22
minimum elong	-3604 Dec 28 j 08:40	10°♐39'16	0°15'29
behind sun begin	-3604 Dec 28 j 06:36	10°♐38'38	
behind sun end	-3604 Dec 28 j 10:44	10°♐39'54	
max. Earth dist.	-3604 Dec 27 j 22:48	10°♐36'12	10.53168 AU
morning rise	-3603 Jan 14 j 12:31	12°♐46'42	
retrograde	-3603 Apr 30 j 09:59	20°♐36'19	
opposition	-3603 Jul 09 j 13:17	17°♐10'22	-0°38'52
min. Earth dist.	-3603 Jul 09 j 20:03	17°♐09'03	8.45999 AU
direct	-3603 Sep 15 j 08:29	13°♐49'06	
evening set	-3603 Dec 24 j 07:57	21°♐20'22	
conjunction	-3602 Jan 10 j 10:48	23°♐29'20	-0°46'38
minimum elong	-3602 Jan 10 j 10:46	23°♐29'20	0°46'47
max. Earth dist.	-3602 Jan 10 j 03:55	23°♐27'10	10.39053 AU
morning rise	-3602 Jan 27 j 18:45	25°♐39'57	
	-3602 Mar 06 j 23:57	0°♑	
retrograde	-3602 May 14 j 11:28	3°♑41'23	
opposition	-3602 Jul 23 j 03:49	0°♑13'54	-1°17'08
min. Earth dist.	-3602 Jul 23 j 08:07	0°♑13'03	8.32092 AU
	-3602 Jul 26 j 02:17	30°℞♐	
direct	-3602 Sep 28 j 09:15	26°♐51'28	
	-3602 Nov 27 j 18:15	0°♑	
evening set	-3601 Jan 06 j 19:00	4°♑32'47	
conjunction	-3601 Jan 24 j 01:43	6°♑44'48	-1°16'22
minimum elong	-3601 Jan 24 j 01:41	6°♑44'47	1°16'31
max. Earth dist.	-3601 Jan 23 j 22:31	6°♑43'46	10.25452 AU
morning rise	-3601 Feb 10 j 13:35	8°♑58'31	
retrograde	-3601 May 28 j 22:30	17°♑11'15	
opposition	-3601 Aug 06 j 01:46	13°♑42'20	-1°52'28
min. Earth dist.	-3601 Aug 06 j 02:56	13°♑42'06	8.19071 AU
direct	-3601 Oct 11 j 18:27	10°♑18'37	
evening set	-3600 Jan 20 j 19:01	18°♑10'21	
conjunction	-3600 Feb 07 j 05:36	20°♑25'18	-1°42'40
minimum elong	-3600 Feb 07 j 05:32	20°♑25'17	1°42'48
max. Earth dist.	-3600 Feb 07 j 05:50	20°♑25'23	10.13045 AU
morning rise	-3600 Feb 24 j 21:11	22°♑41'55	
	-3600 May 07 j 11:26	0°♒	
retrograde	-3600 Jun 11 j 16:54	1°♒04'38	
	-3600 Jul 17 j 04:25	30°℞♑	
opposition	-3600 Aug 19 j 06:26	27°♑34'34	-2°22'25
min. Earth dist.	-3600 Aug 19 j 04:42	27°♑34'55	8.07578 AU
direct	-3600 Oct 24 j 13:13	24°♑09'29	
	-3599 Jan 16 j 17:39	0°♒	
evening set	-3599 Feb 03 j 07:44	2°♒11'31	
conjunction	-3599 Feb 20 j 22:03	4°♒29'09	-2°03'33
minimum elong	-3599 Feb 20 j 22:00	4°♒29'09	2°03'41
max. Earth dist.	-3599 Feb 21 j 01:20	4°♒30'14	10.02490 AU
morning rise	-3599 Mar 10 j 17:04	6°♒48'20	
	-3599 Jun 08 j 01:17	15°♒	
retrograde	-3599 Jun 26 j 16:58	15°♒18'51	
	-3599 Jul 15 j 09:01	15°℞♒	
opposition	-3599 Sep 02 j 16:37	11°♒47'59	-2°44'30
min. Earth dist.	-3599 Sep 02 j 12:16	11°♒48'53	7.98295 AU
direct	-3599 Nov 07 j 16:02	8°♒21'36	
	-3598 Feb 06 j 02:58	15°♒	
evening set	-3598 Feb 18 j 07:30	16°♒32'56	
conjunction	-3598 Mar 08 j 01:27	18°♒52'51	-2°17'16
minimum elong	-3598 Mar 08 j 01:26	18°♒52'50	2°17'22
max. Earth dist.	-3598 Mar 08 j 07:47	18°♒54'56	9.94531 AU
morning rise	-3598 Mar 25 j 23:33	21°♒14'06	
retrograde	-3598 Jul 11 j 20:23	29°♒49'16	
opposition	-3598 Sep 17 j 06:56	26°♒18'00	-2°56'37
min. Earth dist.	-3598 Sep 17 j 00:21	26°♒19'22	7.91948 AU
direct	-3598 Nov 22 j 02:44	22°♒50'22	
	-3597 Feb 24 j 16:48	0°♓	
evening set	-3597 Mar 05 j 15:47	1°♓08'58	
conjunction	-3597 Mar 23 j 13:13	3°♓30'35	-2°22'25
minimum elong	-3597 Mar 23 j 13:13	3°♓30'35	2°22'30
max. Earth dist.	-3597 Mar 23 j 22:39	3°♓33'43	9.89841 AU
morning rise	-3597 Apr 10 j 13:57	5°♓53'13	
retrograde	-3597 Jul 26 j 23:33	14°♓29'06	
opposition	-3597 Oct 01 j 23:00	10°♓57'51	-2°57'25
min. Earth dist.	-3597 Oct 01 j 14:33	10°♓59'37	7.89074 AU
direct	-3597 Dec 06 j 19:56	7°♓29'08	

Attention, astronomical year style is used: The year -3596 in astronomical counting style is the year 3597 BCE in historical counting style.

evening set	-3596 Mar 20 j 05:22	15°♓52'13		
conjunction	-3596 Apr 07 j 05:53	18°♓14'48	-2°18'24	
minimum elong	-3596 Apr 07 j 05:55	18°♓14'48	2°18'26	
max. Earth dist.	-3596 Apr 07 j 18:06	18°♓18'51	9.88819 AU	
morning rise	-3596 Apr 25 j 08:31	20°♓37'59		
retrograde	-3596 Aug 09 j 23:11	29°♓10'24		
opposition	-3596 Oct 15 j 14:12	25°♓39'37	-2°46'35	
min. Earth dist.	-3596 Oct 15 j 04:06	25°♓41'44	7.89914 AU	
direct	-3596 Dec 20 j 17:56	22°♓10'06		
	-3595 Mar 31 j 08:58	0°♈		
evening set	-3595 Apr 04 j 20:04	0°♈34'25		
conjunction	-3595 Apr 22 j 22:56	2°♈57'05	-2°05'24	
minimum elong	-3595 Apr 22 j 22:59	2°♈57'07	2°05'25	
max. Earth dist.	-3595 Apr 23 j 13:18	3°♈01'50	9.91559 AU	
morning rise	-3595 May 11 j 02:31	5°♈19'55		
retrograde	-3595 Aug 24 j 15:32	13°♈45'07		
opposition	-3595 Oct 30 j 02:24	10°♈15'13	-2°25'01	
min. Earth dist.	-3595 Oct 29 j 14:55	10°♈17'36	7.94417 AU	
direct	-3594 Jan 04 j 16:49	6°♈45'14		
evening set	-3594 Apr 20 j 07:44	15°♈07'28		
conjunction	-3594 May 08 j 11:54	17°♈29'20	-1°44'33	
minimum elong	-3594 May 08 j 11:58	17°♈29'22	1°44'31	
max. Earth dist.	-3594 May 09 j 03:39	17°♈34'30	9.97854 AU	
morning rise	-3594 May 26 j 15:17	19°♈50'54		
retrograde	-3594 Sep 07 j 23:16	28°♈05'58		
opposition	-3594 Nov 13 j 09:22	24°♈37'17	-1°54'39	
min. Earth dist.	-3594 Nov 12 j 20:59	24°♈39'51	8.02247 AU	
direct	-3593 Jan 19 j 12:56	21°♈07'10		
evening set	-3593 May 05 j 13:18	29°♈24'29		
	-3593 May 10 j 04:50	0°♉		
conjunction	-3593 May 23 j 17:26	1°♉44'42	-1°17'35	
minimum elong	-3593 May 23 j 17:30	1°♉44'43	1°17'31	
max. Earth dist.	-3593 May 24 j 09:37	1°♉49'56	10.07228 AU	
morning rise	-3593 Jun 10 j 19:17	4°♉04'09		
retrograde	-3593 Sep 21 j 22:02	12°♉07'11		
opposition	-3593 Nov 27 j 09:32	8°♉40'00	-1°18'03	
min. Earth dist.	-3593 Nov 26 j 21:18	8°♉42'31	8.12843 AU	
direct	-3592 Feb 03 j 03:52	5°♉10'07		
evening set	-3592 May 19 j 09:55	13°♉20'18		
	-3592 Jun 01 j 13:08	15°♉		
conjunction	-3592 Jun 06 j 12:28	15°♉38'06	-0°46'39	
minimum elong	-3592 Jun 06 j 12:30	15°♉38'07	0°46'34	
max. Earth dist.	-3592 Jun 07 j 03:54	15°♉43'02	10.19019 AU	
morning rise	-3592 Jun 24 j 11:28	17°♉54'46		
retrograde	-3592 Oct 04 j 11:29	25°♉45'01		
opposition	-3592 Dec 10 j 02:16	22°♉19'31	-0°38'02	
min. Earth dist.	-3592 Dec 09 j 15:16	22°♉21'45	8.25510 AU	
direct	-3591 Feb 16 j 11:53	18°♉50'11		
evening set	-3591 Jun 02 j 19:30	26°♉51'43		
conjunction	-3591 Jun 20 j 18:59	29°♉06'34	-0°13'56	
minimum elong	-3591 Jun 20 j 18:59	29°♉06'34	0°13'49	
behind sun begin	-3591 Jun 20 j 15:19	29°♉05'25		
behind sun end	-3591 Jun 20 j 22:40	29°♉07'43		
max. Earth dist.	-3591 Jun 21 j 08:24	29°♉10'46	10.32472 AU	
	-3591 Jun 27 j 20:57	0°♊		
morning rise	-3591 Jul 08 j 14:03	1°♊20'01		
retrograde	-3591 Oct 17 j 13:13	8°♊57'39		
asc. node	-3591 Nov 27 j 19:59	7°♊29'37		
opposition	-3591 Dec 23 j 11:00	5°♊33'55	0°02'45	
min. Earth dist.	-3591 Dec 23 j 01:58	5°♊35'44	8.39481 AU	
direct	-3590 Mar 02 j 13:43	2°♊05'24		

evening set	-3590 Jun 16 j 17:22	9°♊57'35		
conjunction	-3590 Jul 04 j 12:38	12°♊09'07	0°18'41	
minimum elong	-3590 Jul 04 j 12:37	12°♊09'07	0°18'49	
max. Earth dist.	-3590 Jul 04 j 22:56	12°♊12'18	10.46809 AU	
morning rise	-3590 Jul 22 j 03:02	14°♊19'08		
retrograde	-3590 Oct 30 j 04:16	21°♊45'02		
opposition	-3589 Jan 05 j 11:41	18°♊23'02	0°42'00	
min. Earth dist.	-3589 Jan 05 j 04:50	18°♊24'24	8.53988 AU	
direct	-3589 Mar 16 j 06:54	14°♊55'34		
evening set	-3589 Jun 30 j 03:19	22°♊38'17		
conjunction	-3589 Jul 17 j 17:36	24°♊46'24	0°49'24	
minimum elong	-3589 Jul 17 j 17:34	24°♊46'23	0°49'33	
max. Earth dist.	-3589 Jul 18 j 00:21	24°♊48'27	10.61280 AU	
morning rise	-3589 Aug 04 j 02:49	26°♊52'56		
	-3589 Aug 31 j 18:50	0°♋		
retrograde	-3589 Nov 11 j 11:59	4°♋08'30		
opposition	-3588 Jan 18 j 05:10	0°♋48'07	1°17'57	
min. Earth dist.	-3588 Jan 17 j 23:58	0°♋49'08	8.68297 AU	
	-3588 Jan 28 j 15:17	30°℞♊		
direct	-3588 Mar 28 j 14:35	27°♊21'54		
	-3588 May 25 j 20:48	0°♋		
evening set	-3588 Jul 12 j 01:31	4°♋55'24		
conjunction	-3588 Jul 29 j 10:31	7°♋00'14	1°17'01	
minimum elong	-3588 Jul 29 j 10:28	7°♋00'13	1°17'10	
max. Earth dist.	-3588 Jul 29 j 14:42	7°♋01'29	10.75200 AU	
morning rise	-3588 Aug 15 j 14:18	9°♋03'29		
retrograde	-3588 Nov 22 j 12:27	16°♋10'19		
opposition	-3587 Jan 29 j 16:10	12°♋51'24	1°49'18	
min. Earth dist.	-3587 Jan 29 j 12:56	12°♋52'01	8.81762 AU	
direct	-3587 Apr 10 j 13:21	9°♋26'32		
evening set	-3587 Jul 24 j 13:03	16°♋51'30		
conjunction	-3587 Aug 10 j 16:48	18°♋53'17	1°40'35	
minimum elong	-3587 Aug 10 j 16:45	18°♋53'16	1°40'43	
max. Earth dist.	-3587 Aug 10 j 18:37	18°♋53'49	10.87972 AU	
morning rise	-3587 Aug 27 j 15:20	20°♋53'34		
retrograde	-3587 Dec 04 j 07:58	27°♋53'22		
opposition	-3586 Feb 10 j 21:36	24°♋35'43	2°15'08	
min. Earth dist.	-3586 Feb 10 j 21:11	24°♋35'48	8.93828 AU	
direct	-3586 Apr 23 j 03:50	21°♋12'13		
evening set	-3586 Aug 05 j 15:06	28°♋29'33		
	-3586 Aug 18 j 12:33	0°♌		
conjunction	-3586 Aug 22 j 13:47	0°♌28'41	1°59'27	
minimum elong	-3586 Aug 22 j 13:44	0°♌28'40	1°59'34	
max. Earth dist.	-3586 Aug 22 j 12:25	0°♌28'17	10.99092 AU	
morning rise	-3586 Sep 08 j 07:43	2°♌26'27		
retrograde	-3586 Dec 15 j 21:59	9°♌20'58		
opposition	-3585 Feb 22 j 22:45	6°♌04'19	2°34'54	
min. Earth dist.	-3585 Feb 23 j 01:32	6°♌03'47	9.04028 AU	
direct	-3585 May 05 j 10:47	2°♌42'07		
evening set	-3585 Aug 17 j 09:00	9°♌52'53		
conjunction	-3585 Sep 03 j 03:05	11°♌49'47	2°13'13	
minimum elong	-3585 Sep 03 j 03:03	11°♌49'46	2°13'19	
max. Earth dist.	-3585 Sep 02 j 22:02	11°♌48'18	11.08154 AU	
morning rise	-3585 Sep 19 j 17:14	13°♌45'33		
	-3585 Sep 30 j 17:59	15°♌		
retrograde	-3585 Dec 27 j 08:31	20°♌36'34		
opposition	-3584 Mar 05 j 20:37	17°♌20'35	2°48'19	
min. Earth dist.	-3584 Mar 06 j 01:35	17°♌19'40	9.11991 AU	
	-3584 Apr 10 j 00:58	15°℞♌		
direct	-3584 May 16 j 13:43	13°♌59'35		
	-3584 Jun 21 j 12:19	15°♌		

Attention, astronomical year style is used: The year -3584 in astronomical counting style is the year 3585 BCE in historical counting style.

evening set	-3584 Aug 27 j 20:06	21°♌04'54	
conjunction	-3584 Sep 13 j 10:35	23°♌00'08	2°21'40
minimum elong	-3584 Sep 13 j 10:34	23°♌00'08	2°21'45
max. Earth dist.	-3584 Sep 13 j 03:17	22°♌58'00	11.14851 AU
morning rise	-3584 Sep 29 j 21:45	24°♌54'26	
	-3584 Nov 21 j 10:03	0°♍	
retrograde	-3583 Jan 06 j 19:29	1°♍43'38	
	-3583 Feb 23 j 22:15	30°℞♌	
opposition	-3583 Mar 17 j 16:19	28°♌27'59	2°55'13
min. Earth dist.	-3583 Mar 17 j 22:47	28°♌26'48	9.17446 AU
direct	-3583 May 28 j 10:50	25°♌08'04	
	-3583 Aug 19 j 09:43	0°♍	
evening set	-3583 Sep 08 j 01:59	2°♍09'05	
conjunction	-3583 Sep 24 j 13:52	4°♍03'13	2°24'44
minimum elong	-3583 Sep 24 j 13:52	4°♍03'13	2°24'48
max. Earth dist.	-3583 Sep 24 j 05:09	4°♍00'42	11.18953 AU
morning rise	-3583 Oct 10 j 22:57	5°♍56'39	
retrograde	-3582 Jan 18 j 05:45	12°♍45'41	
opposition	-3582 Mar 29 j 11:07	9°♍30'03	2°55'37
min. Earth dist.	-3582 Mar 29 j 19:39	9°♍28'29	9.20197 AU
direct	-3582 Jun 09 j 03:28	6°♍11'00	
evening set	-3582 Sep 19 j 04:36	13°♍09'02	
conjunction	-3582 Oct 05 j 14:38	15°♍02'37	2°22'27
minimum elong	-3582 Oct 05 j 14:39	15°♍02'38	2°22'29
max. Earth dist.	-3582 Oct 05 j 03:24	14°♍59'22	11.20304 AU
morning rise	-3582 Oct 21 j 22:49	16°♍55'45	
retrograde	-3581 Jan 29 j 17:53	23°♍46'15	
opposition	-3581 Apr 10 j 06:07	20°♍30'19	2°49'38
min. Earth dist.	-3581 Apr 10 j 17:05	20°♍28'19	9.20134 AU
direct	-3581 Jun 20 j 18:22	17°♍11'53	
evening set	-3581 Sep 30 j 05:29	24°♍08'17	
conjunction	-3581 Oct 16 j 14:39	26°♍01'55	2°14'54
minimum elong	-3581 Oct 16 j 14:40	26°♍01'55	2°14'55
max. Earth dist.	-3581 Oct 16 j 01:01	25°♍57'57	11.18840 AU
morning rise	-3581 Nov 01 j 23:04	27°♍55'22	
	-3581 Nov 20 j 20:53	0°♎	
retrograde	-3580 Feb 10 j 06:50	4°♎48'59	
opposition	-3580 Apr 21 j 02:34	1°♎32'24	2°37'25
min. Earth dist.	-3580 Apr 21 j 15:05	1°♎30'07	9.17214 AU
	-3580 May 13 j 01:34	30°℞♍	
direct	-3580 Jul 01 j 08:09	28°♍14'20	
	-3580 Aug 17 j 21:11	0°♎	
evening set	-3580 Oct 10 j 06:12	5°♎10'33	
conjunction	-3580 Oct 26 j 15:42	7°♎04'48	2°02'19
minimum elong	-3580 Oct 26 j 15:44	7°♎04'48	2°02'18
max. Earth dist.	-3580 Oct 26 j 01:17	7°♎00'35	11.14535 AU
morning rise	-3580 Nov 12 j 01:13	8°♎59'08	
retrograde	-3579 Feb 21 j 03:04	15°♎57'36	
opposition	-3579 May 03 j 01:29	12°♎40'03	2°19'14
min. Earth dist.	-3579 May 03 j 14:17	12°♎37'43	9.11460 AU
direct	-3579 Jul 12 j 23:41	9°♎22'08	
evening set	-3579 Oct 21 j 09:04	16°♎19'42	
conjunction	-3579 Nov 06 j 19:45	18°♎15'10	1°44'58
minimum elong	-3579 Nov 06 j 19:48	18°♎15'11	1°44'55
max. Earth dist.	-3579 Nov 06 j 04:54	18°♎10'47	11.07483 AU
morning rise	-3579 Nov 23 j 07:12	20°♎10'58	
retrograde	-3578 Mar 05 j 04:42	27°♎15'51	
opposition	-3578 May 15 j 04:06	23°♎57'08	1°55'28
min. Earth dist.	-3578 May 15 j 17:12	23°♎54'43	9.03071 AU
direct	-3578 Jul 24 j 14:02	20°♎39'06	
evening set	-3578 Nov 01 j 15:55	27°♎39'36	

conjunction	-3578 Nov 18 j 04:24	29°♎36'45	1°23'15
minimum elong	-3578 Nov 18 j 04:26	29°♎36'46	1°23'11
max. Earth dist.	-3578 Nov 17 j 12:42	29°♎32'05	10.97973 AU
	-3578 Nov 21 j 10:31	0°♏	
morning rise	-3578 Dec 04 j 18:44	1°♏34'32	
retrograde	-3577 Mar 17 j 12:15	8°♏47'26	
opposition	-3577 May 27 j 11:53	5°♏27'15	1°26'38
min. Earth dist.	-3577 May 28 j 01:13	5°♏24'46	8.92407 AU
direct	-3577 Aug 05 j 09:15	2°♏08'48	
evening set	-3577 Nov 13 j 04:24	9°♏13'46	
conjunction	-3577 Nov 29 j 19:23	11°♏13'04	0°57'45
minimum elong	-3577 Nov 29 j 19:25	11°♏13'05	0°57'40
max. Earth dist.	-3577 Nov 29 j 03:45	11°♏08'22	10.86396 AU
morning rise	-3577 Dec 16 j 13:18	13°♏13'17	
	-3576 Jan 01 j 01:19	15°♏	
retrograde	-3576 Mar 29 j 04:45	20°♏35'37	
opposition	-3576 Jun 08 j 01:30	17°♏13'46	0°53'27
min. Earth dist.	-3576 Jun 08 j 14:22	17°♏11'21	8.79906 AU
	-3576 Jul 10 j 13:41	15°℞♏	
direct	-3576 Aug 16 j 09:31	13°♏54'38	
	-3576 Sep 21 j 06:31	15°♏	
evening set	-3576 Nov 24 j 00:40	21°♏05'35	
conjunction	-3576 Dec 10 j 18:49	23°♏07'26	0°29'12
minimum elong	-3576 Dec 10 j 18:51	23°♏07'26	0°29'06
max. Earth dist.	-3576 Dec 10 j 05:05	23°♏03'14	10.73204 AU
morning rise	-3576 Dec 27 j 16:35	25°♏10'27	
	-3575 Feb 11 j 04:41	0°♐	
retrograde	-3575 Apr 11 j 05:49	2°♐43'24	
	-3575 Jun 12 j 00:40	30°℞♏	
opposition	-3575 Jun 20 j 21:31	29°♏19'44	0°16'56
min. Earth dist.	-3575 Jun 21 j 08:28	29°♏17'39	8.66071 AU
direct	-3575 Aug 28 j 14:56	25°♏59'42	
	-3575 Nov 07 j 03:41	0°♐	
desc. node	-3575 Dec 05 j 19:11	3°♐14'45	
evening set	-3575 Dec 06 j 06:26	3°♐18'09	
conjunction	-3575 Dec 23 j 04:08	5°♐22'51	-0°01'29
minimum elong	-3575 Dec 23 j 04:06	5°♐22'51	0°01'36
behind sun begin	-3575 Dec 22 j 21:02	5°♐20'41	
behind sun end	-3575 Dec 23 j 11:11	5°♐25'01	
max. Earth dist.	-3575 Dec 22 j 16:46	5°♐19'21	10.58936 AU
morning rise	-3574 Jan 09 j 05:53	7°♐28'55	
retrograde	-3574 Apr 24 j 17:22	15°♐13'27	
opposition	-3574 Jul 04 j 01:00	11°♐47'56	-0°21'36
min. Earth dist.	-3574 Jul 04 j 09:19	11°♐46'20	8.51494 AU
direct	-3574 Sep 10 j 04:05	8°♐26'48	
evening set	-3574 Dec 18 j 23:16	15°♐54'05	
conjunction	-3573 Jan 05 j 00:32	18°♐01'49	-0°32'52
minimum elong	-3573 Jan 05 j 00:30	18°♐01'49	0°32'59
max. Earth dist.	-3573 Jan 04 j 15:32	17°♐59'00	10.44227 AU
morning rise	-3573 Jan 22 j 06:32	20°♐11'07	
retrograde	-3573 May 08 j 15:42	28°♐07'42	
opposition	-3573 Jul 17 j 12:18	24°♐40'25	-1°00'24
min. Earth dist.	-3573 Jul 17 j 17:56	24°♐39'19	8.36849 AU
direct	-3573 Sep 22 j 23:44	21°♐18'02	
evening set	-3572 Jan 01 j 04:40	28°♐55'15	
	-3572 Jan 09 j 18:10	0°♑	
conjunction	-3572 Jan 18 j 09:38	1°♑06'05	-1°03'30
minimum elong	-3572 Jan 18 j 09:35	1°♑06'05	1°03'39
max. Earth dist.	-3572 Jan 18 j 03:01	1°♑03'59	10.29786 AU
morning rise	-3572 Feb 04 j 19:52	3°♑18'38	
retrograde	-3572 May 21 j 22:58	11°♑27'05	
opposition	-3572 Jul 30 j 07:13	7°♑58'12	-1°37'23

Attention, astronomical year style is used: The year -3572 in astronomical counting style is the year 3573 BCE in historical counting style.

min. Earth dist.	-3572 Jul 30 j 10:32	7°♑57'32	8.22875 AU
direct	-3572 Oct 05 j 04:42	4°♑34'26	
evening set	-3571 Jan 13 j 23:09	12°♑22'17	
conjunction	-3571 Jan 31 j 07:57	14°♑36'11	-1°31'35
minimum elong	-3571 Jan 31 j 07:54	14°♑36'10	1°31'44
max. Earth dist.	-3571 Jan 31 j 04:45	14°♑35'09	10.16369 AU
morning rise	-3571 Feb 17 j 22:10	16°♑51'49	
retrograde	-3571 Jun 05 j 13:48	25°♑11'10	
opposition	-3571 Aug 13 j 09:28	21°♒40'56	-2°10'05
min. Earth dist.	-3571 Aug 13 j 10:04	21°♒40'48	8.10330 AU
direct	-3571 Oct 18 j 20:31	18°♑15'45	
evening set	-3570 Jan 28 j 06:31	26°♑14'13	
conjunction	-3570 Feb 14 j 19:10	28°♑30'59	-1°55'08
minimum elong	-3570 Feb 14 j 19:07	28°♑30'57	1°55'16
max. Earth dist.	-3570 Feb 14 j 20:12	28°♑31'19	10.04744 AU
	-3570 Feb 26 j 03:52	0°♒	
morning rise	-3570 Mar 04 j 12:56	0°♒49'22	
retrograde	-3570 Jun 20 j 11:03	9°♒17'44	
opposition	-3570 Aug 27 j 18:00	5°♒46'29	-2°36'00
min. Earth dist.	-3570 Aug 27 j 15:24	5°♒47'01	7.99964 AU
direct	-3570 Nov 01 j 21:02	2°♒19'58	
evening set	-3569 Feb 12 j 01:55	10°♒28'14	
conjunction	-3569 Mar 01 j 18:25	12°♒47'28	-2°12'14
minimum elong	-3569 Mar 01 j 18:22	12°♒47'27	2°12'21
max. Earth dist.	-3569 Mar 02 j 00:03	12°♒49'20	9.95657 AU
	-3569 Mar 18 j 14:10	15°♒	
morning rise	-3569 Mar 19 j 15:21	15°♒08'09	
retrograde	-3569 Jul 05 j 13:35	23°♒42'35	
opposition	-3569 Sep 11 j 07:08	20°♒10'44	-2°52'45
min. Earth dist.	-3569 Sep 11 j 01:10	20°♒11'59	7.92456 AU
direct	-3569 Nov 16 j 04:58	16°♒42'59	
evening set	-3568 Feb 27 j 07:12	24°♒59'23	
conjunction	-3568 Mar 16 j 03:22	27°♒20'34	-2°21'18
minimum elong	-3568 Mar 16 j 03:21	27°♒20'34	2°21'23
max. Earth dist.	-3568 Mar 16 j 13:18	27°♒23'52	9.89734 AU
morning rise	-3568 Apr 03 j 03:03	29°♒42'55	
	-3568 Apr 05 j 07:45	0°♓	
retrograde	-3568 Jul 19 j 17:44	8°♓19'44	
opposition	-3568 Sep 24 j 23:00	4°♓47'46	-2°58'36
min. Earth dist.	-3568 Sep 24 j 13:58	4°♓49'40	7.88322 AU
direct	-3568 Nov 29 j 19:43	1°♓18'59	
evening set	-3567 Mar 13 j 19:13	9°♓41'02	
conjunction	-3567 Mar 31 j 18:38	12°♓03'29	-2°21'18
minimum elong	-3567 Mar 31 j 18:40	12°♓03'29	2°21'22
max. Earth dist.	-3567 Apr 01 j 08:03	12°♓07'56	9.87409 AU
morning rise	-3567 Apr 18 j 20:26	14°♓26'42	
retrograde	-3567 Aug 03 j 20:02	23°♓01'46	
opposition	-3567 Oct 09 j 15:11	19°♓30'13	-2°52'46
min. Earth dist.	-3567 Oct 09 j 04:00	19°♓32'34	7.87880 AU
direct	-3567 Dec 14 j 15:25	16°♓00'41	
evening set	-3566 Mar 29 j 10:09	24°♓25'18	
conjunction	-3566 Apr 16 j 12:13	26°♓48'11	-2°12'07
minimum elong	-3566 Apr 16 j 12:16	26°♓48'12	2°12'09
max. Earth dist.	-3566 Apr 17 j 04:07	26°♓53'27	9.88887 AU
morning rise	-3566 May 04 j 15:25	29°♓11'25	
	-3566 May 10 j 22:33	0°♈	
retrograde	-3566 Aug 18 j 17:04	7°♈40'46	
opposition	-3566 Oct 24 j 05:20	4°♈10'07	-2°35'39
min. Earth dist.	-3566 Oct 23 j 16:55	4°♈12'43	7.91193 AU
direct	-3566 Dec 29 j 13:28	0°♈40'09	
evening set	-3565 Apr 14 j 00:04	9°♈04'04	

conjunction	-3565 May 02 j 03:53	11°♈26'31	-1°54'28
minimum elong	-3565 May 02 j 03:57	11°♈26'32	1°54'27
max. Earth dist.	-3565 May 02 j 21:02	11°♈32'10	9.94074 AU
morning rise	-3565 May 20 j 07:30	13°♈48'51	
retrograde	-3565 Sep 02 j 05:58	22°♈09'06	
opposition	-3565 Nov 07 j 15:15	18°♈39'47	-2°08'44
min. Earth dist.	-3565 Nov 07 j 02:32	18°♈42'26	7.98035 AU
direct	-3564 Jan 13 j 10:55	15°♈09'43	
evening set	-3564 Apr 28 j 09:20	23°♈29'52	
conjunction	-3564 May 16 j 13:34	25°♈50'59	-1°29'51
minimum elong	-3564 May 16 j 13:37	25°♈51'00	1°29'48
max. Earth dist.	-3564 May 17 j 06:40	25°♈56'33	10.02594 AU
morning rise	-3564 Jun 03 j 16:18	28°♈11'31	
	-3564 Jun 18 j 04:57	0°♉	
retrograde	-3564 Sep 15 j 09:32	6°♉20'19	
opposition	-3564 Nov 20 j 19:03	2°♉52'38	-1°34'25
min. Earth dist.	-3564 Nov 20 j 06:35	2°♉55'12	8.07937 AU
	-3564 Dec 31 j 23:50	30°℞♈	
direct	-3563 Jan 27 j 05:13	29°♈22'51	
	-3563 Feb 22 j 10:44	0°♉	
evening set	-3563 May 13 j 10:38	7°♉36'39	
conjunction	-3563 May 31 j 13:53	9°♉55'37	-1°00'19
minimum elong	-3563 May 31 j 13:56	9°♉55'38	1°00'14
max. Earth dist.	-3563 Jun 01 j 05:56	10°♉00'46	10.13863 AU
morning rise	-3563 Jun 18 j 14:25	12°♉13'37	
	-3563 Jul 11 j 14:58	15°♉	
retrograde	-3563 Sep 29 j 02:48	20°♉09'42	
opposition	-3563 Dec 04 j 15:33	16°♉43'48	-0°55'28
min. Earth dist.	-3563 Dec 04 j 03:27	16°♉46'16	8.20242 AU
	-3563 Dec 26 j 21:24	15°℞♉	
direct	-3562 Feb 10 j 17:59	13°♉14'37	
	-3562 Mar 28 j 03:56	15°♉	
evening set	-3562 May 28 j 01:35	21°♉20'12	
conjunction	-3562 Jun 15 j 02:29	23°♉36'21	-0°28'03
minimum elong	-3562 Jun 15 j 02:30	23°♉36'22	0°27'57
max. Earth dist.	-3562 Jun 15 j 17:03	23°♉40'58	10.27128 AU
morning rise	-3562 Jul 02 j 23:35	25°♉51'16	
	-3562 Aug 08 j 08:22	0°♊	
retrograde	-3562 Oct 12 j 09:06	3°♊34'24	
opposition	-3562 Dec 18 j 04:01	0°♊10'22	-0°14'40
min. Earth dist.	-3562 Dec 17 j 16:54	0°♊12'36	8.34148 AU
	-3562 Dec 20 j 07:37	30°℞♉	
direct	-3561 Feb 24 j 23:53	26°♉42'00	
	-3561 Apr 30 j 06:44	0°♊	
asc. node	-3561 May 03 j 18:30	0°♊20'06	
evening set	-3561 Jun 11 j 05:07	4°♊38'18	
conjunction	-3561 Jun 29 j 02:25	6°♊51'14	0°04'55
minimum elong	-3561 Jun 29 j 02:23	6°♊51'14	0°05'02
behind sun begin	-3561 Jun 28 j 19:21	6°♊49'03	
behind sun end	-3561 Jun 29 j 09:26	6°♊53'24	
max. Earth dist.	-3561 Jun 29 j 14:49	6°♊55'05	10.41537 AU
morning rise	-3561 Jul 16 j 18:56	9°♊02'41	
retrograde	-3561 Oct 25 j 05:48	16°♊33'31	
opposition	-3561 Dec 31 j 08:22	13°♊11'17	0°25'29
min. Earth dist.	-3561 Dec 30 j 23:12	13°♊13'06	8.48795 AU
direct	-3560 Mar 09 j 20:11	9°♊43'56	
evening set	-3560 Jun 23 j 20:33	17°♊30'35	
conjunction	-3560 Jul 11 j 13:11	19°♊40'06	0°36'34
minimum elong	-3560 Jul 11 j 13:09	19°♊40'06	0°36'42
max. Earth dist.	-3560 Jul 11 j 22:43	19°♊43'02	10.56220 AU
morning rise	-3560 Jul 29 j 00:31	21°♊48'02	
retrograde	-3560 Nov 05 j 18:20	29°♊07'48	

Attention, astronomical year style is used: The year -3559 in astronomical counting style is the year 3560 BCE in historical counting style.

opposition	-3559 Jan 12 j 05:13	25°♊47'17	1°03'02
min. Earth dist.	-3559 Jan 11 j 23:11	25°♊48'27	8.63336 AU
direct	-3559 Mar 23 j 06:44	22°♊21'05	
evening set	-3559 Jul 06 j 23:56	29°♊58'21	
	-3559 Jul 07 j 05:29	0°♋	
conjunction	-3559 Jul 24 j 11:17	2°♋04'31	1°05'38
minimum elong	-3559 Jul 24 j 11:15	2°♋04'31	1°05'47
max. Earth dist.	-3559 Jul 24 j 16:51	2°♋06'13	10.70382 AU
morning rise	-3559 Aug 10 j 17:18	4°♋09'06	
retrograde	-3559 Nov 17 j 21:11	11°♋19'28	
opposition	-3558 Jan 24 j 19:08	8°♋00'28	1°36'29
min. Earth dist.	-3558 Jan 24 j 16:23	8°♋01'00	8.77057 AU
direct	-3558 Apr 05 j 09:24	4°♋35'30	
evening set	-3558 Jul 19 j 16:25	12°♋04'06	
conjunction	-3558 Aug 05 j 22:18	14°♋07'06	1°31'02
minimum elong	-3558 Aug 05 j 22:15	14°♋07'06	1°31'10
max. Earth dist.	-3558 Aug 05 j 23:28	14°♋07'27	10.83428 AU
morning rise	-3558 Aug 22 j 23:09	16°♋08'38	
retrograde	-3558 Nov 29 j 17:53	23°♋11'20	
opposition	-3557 Feb 06 j 02:59	19°♋53'36	2°04'46
min. Earth dist.	-3557 Feb 06 j 02:49	19°♋53'38	8.89433 AU
direct	-3557 Apr 18 j 05:35	16°♋29'51	
evening set	-3557 Jul 31 j 22:50	23°♋50'34	
conjunction	-3557 Aug 17 j 23:33	25°♋50'47	1°51'58
minimum elong	-3557 Aug 17 j 23:30	25°♋50'46	1°52'05
max. Earth dist.	-3557 Aug 17 j 21:31	25°♋50'10	10.94906 AU
morning rise	-3557 Sep 03 j 19:32	27°♋49'36	
	-3557 Sep 23 j 06:44	0°♌	
retrograde	-3557 Dec 11 j 10:30	4°♌46'23	
opposition	-3556 Feb 18 j 06:09	1°♌29'35	2°27'12
min. Earth dist.	-3556 Feb 18 j 07:56	1°♌29'15	9.00036 AU
	-3556 Mar 09 j 21:46	30°℞♋	
direct	-3556 Apr 29 j 16:23	28°♋07'02	
	-3556 Jun 18 j 04:47	0°♌	
evening set	-3556 Aug 11 j 20:14	5°♌20'44	
conjunction	-3556 Aug 28 j 16:21	7°♌18'35	2°07'57
minimum elong	-3556 Aug 28 j 16:19	7°♌18'34	2°08'04
max. Earth dist.	-3556 Aug 28 j 12:18	7°♌17'23	11.04428 AU
morning rise	-3556 Sep 14 j 07:59	9°♌15'12	
	-3556 Nov 15 j 01:11	15°♌	
retrograde	-3556 Dec 21 j 23:20	16°♌07'48	
	-3555 Jan 28 j 19:10	15°℞♌	
opposition	-3555 Mar 01 j 05:36	12°♌51'36	2°43'22
min. Earth dist.	-3555 Mar 01 j 10:01	12°♌50'47	9.08511 AU
direct	-3555 May 11 j 20:57	9°♌30'06	
	-3555 Aug 08 j 18:29	15°♌	
evening set	-3555 Aug 23 j 10:23	16°♌37'54	
conjunction	-3555 Sep 09 j 02:29	18°♌33'52	2°18'43
minimum elong	-3555 Sep 09 j 02:28	18°♌33'52	2°18'48
max. Earth dist.	-3555 Sep 08 j 19:34	18°♌31'51	11.11683 AU
morning rise	-3555 Sep 25 j 14:46	20°♌28'48	
retrograde	-3554 Jan 02 j 10:16	27°♌18'51	
opposition	-3554 Mar 13 j 02:12	24°♌02'59	2°53'05
min. Earth dist.	-3554 Mar 13 j 09:37	24°♌01'37	9.14586 AU
direct	-3554 May 23 j 19:42	20°♌42'22	
evening set	-3554 Sep 03 j 18:39	27°♌45'26	
conjunction	-3554 Sep 20 j 07:31	29°♌40'05	2°24'05
minimum elong	-3554 Sep 20 j 07:31	29°♌40'05	2°24'10
max. Earth dist.	-3554 Sep 19 j 21:25	29°♌37'09	11.16447 AU
	-3554 Sep 23 j 03:58	0°♍	
morning rise	-3554 Oct 06 j 17:31	1°♍33'56	
retrograde	-3553 Jan 13 j 18:27	8°♍23'08	
opposition	-3553 Mar 24 j 21:25	5°♍07'12	2°56'17
min. Earth dist.	-3553 Mar 25 j 06:58	5°♍05'27	9.18066 AU
direct	-3553 Jun 04 j 15:09	1°♍47'21	
evening set	-3553 Sep 14 j 22:29	8°♍46'56	
conjunction	-3553 Oct 01 j 09:12	10°♍40'48	2°24'05
minimum elong	-3553 Oct 01 j 09:13	10°♍40'48	2°24'08
max. Earth dist.	-3553 Sep 30 j 21:27	10°♍37'23	11.18576 AU
morning rise	-3553 Oct 17 j 17:50	12°♍34'08	
retrograde	-3552 Jan 25 j 06:21	19°♍24'12	
opposition	-3552 Apr 04 j 16:18	16°♍07'55	2°53'01
min. Earth dist.	-3552 Apr 05 j 02:40	16°♍06'01	9.18845 AU
direct	-3552 Jun 15 j 08:31	12°♍48'40	
evening set	-3552 Sep 24 j 23:50	19°♍46'03	
conjunction	-3552 Oct 11 j 09:30	21°♍39'46	2°18'45
minimum elong	-3552 Oct 11 j 09:31	21°♍39'46	2°18'47
max. Earth dist.	-3552 Oct 10 j 21:03	21°♍36'08	11.18009 AU
morning rise	-3552 Oct 27 j 17:41	23°♍33'09	
	-3551 Jan 12 j 19:51	0°♎	
retrograde	-3551 Feb 04 j 19:32	0°♎25'40	
	-3551 Feb 28 j 01:45	30°℞♍	
opposition	-3551 Apr 16 j 11:57	27°♍08'48	2°43'26
min. Earth dist.	-3551 Apr 16 j 23:23	27°♍06'42	9.16909 AU
direct	-3551 Jun 26 j 21:18	23°♍49'59	
	-3551 Sep 29 j 03:37	0°♎	
evening set	-3551 Oct 06 j 00:31	0°♎46'35	
conjunction	-3551 Oct 22 j 09:56	2°♎40'42	2°08'17
minimum elong	-3551 Oct 22 j 09:59	2°♎40'42	2°08'17
max. Earth dist.	-3551 Oct 21 j 19:59	2°♎36'37	11.14767 AU
morning rise	-3551 Nov 07 j 18:54	4°♎34'45	
retrograde	-3550 Feb 16 j 12:34	11°♎31'22	
opposition	-3550 Apr 28 j 09:49	8°♎13'40	2°27'44
min. Earth dist.	-3550 Apr 28 j 22:41	8°♎11'18	9.12317 AU
direct	-3550 Jul 08 j 11:23	4°♎55'04	
evening set	-3550 Oct 17 j 02:21	11°♎52'23	
conjunction	-3550 Nov 02 j 12:23	13°♎47'25	1°52'54
minimum elong	-3550 Nov 02 j 12:25	13°♎47'26	1°52'51
max. Earth dist.	-3550 Nov 01 j 21:04	13°♎42'55	11.08950 AU
morning rise	-3550 Nov 18 j 23:05	15°♎42'42	
retrograde	-3549 Feb 28 j 10:16	22°♎45'02	
opposition	-3549 May 10 j 10:57	19°♎26'16	2°06'15
min. Earth dist.	-3549 May 11 j 00:20	19°♎23'48	9.05215 AU
direct	-3549 Jul 20 j 02:22	16°♎07'43	
evening set	-3549 Oct 28 j 07:11	23°♎07'13	
conjunction	-3549 Nov 13 j 18:52	25°♎03'43	1°32'57
minimum elong	-3549 Nov 13 j 18:54	25°♎03'44	1°32'54
max. Earth dist.	-3549 Nov 13 j 04:06	24°♎59'20	11.00739 AU
morning rise	-3549 Nov 30 j 08:01	27°♎00'44	
	-3549 Dec 27 j 14:48	0°♏	
retrograde	-3548 Mar 11 j 15:17	4°♏10'24	
opposition	-3548 May 21 j 16:27	0°♏50'20	1°39'27
min. Earth dist.	-3548 May 22 j 05:00	0°♏48'00	8.95839 AU
	-3548 Jun 02 j 02:48	30°℞♎	
direct	-3548 Jul 30 j 20:50	27°♎31'38	
	-3548 Sep 24 j 12:02	0°♏	
evening set	-3548 Nov 07 j 17:00	4°♏34'51	
conjunction	-3548 Nov 24 j 07:03	6°♏33'18	1°08'57
minimum elong	-3548 Nov 24 j 07:06	6°♏33'19	1°08'53
max. Earth dist.	-3548 Nov 23 j 17:22	6°♏29'12	10.90399 AU
morning rise	-3548 Dec 10 j 23:19	8°♏32'32	
	-3547 Feb 19 j 18:07	15°♏	

Attention, astronomical year style is used: The year -3547 in astronomical counting style is the year 3548 BCE in historical counting style.

retrograde	-3547 Mar 24 j 05:37	15°♏50'57	
	-3547 Apr 26 j 04:31	15°℞♏	
opposition	-3547 Jun 03 j 03:25	12°♏29'28	1°07'58
min. Earth dist.	-3547 Jun 03 j 14:41	12°♏27'21	8.84509 AU
direct	-3547 Aug 11 j 17:47	9°♏10'24	
	-3547 Nov 08 j 02:50	15°♏	
evening set	-3547 Nov 19 j 09:55	16°♏18'53	
conjunction	-3547 Dec 06 j 02:43	18°♏19'41	0°41'34
minimum elong	-3547 Dec 06 j 02:44	18°♏19'41	0°41'28
max. Earth dist.	-3547 Dec 05 j 13:29	18°♏15'40	10.78299 AU
morning rise	-3547 Dec 22 j 22:41	20°♏21'32	
retrograde	-3546 Apr 06 j 03:19	27°♏50'01	
opposition	-3546 Jun 15 j 20:47	24°♏27'00	0°32'40
min. Earth dist.	-3546 Jun 16 j 07:05	24°♏25'03	8.71659 AU
direct	-3546 Aug 23 j 19:31	21°♏07'21	
evening set	-3546 Dec 01 j 11:39	28°♏22'39	
	-3546 Dec 14 j 18:45	0°♐	
conjunction	-3546 Dec 18 j 07:37	0°♐26'08	0°11'41
minimum elong	-3546 Dec 18 j 07:38	0°♐26'08	0°11'34
behind sun begin	-3546 Dec 18 j 02:32	0°♐24'35	
behind sun end	-3546 Dec 18 j 12:43	0°♐27'41	
max. Earth dist.	-3546 Dec 17 j 19:31	0°♐22'25	10.64927 AU
morning rise	-3545 Jan 04 j 07:44	2°♐30'54	
retrograde	-3545 Apr 19 j 10:16	10°♐10'32	
desc. node	-3545 May 08 j 17:57	9°♐52'09	
opposition	-3545 Jun 28 j 21:28	6°♐45'56	-0°05'14
min. Earth dist.	-3545 Jun 29 j 06:24	6°♐44'13	8.57838 AU
direct	-3545 Sep 05 j 05:43	3°♐25'27	
evening set	-3545 Dec 13 j 23:47	10°♐48'58	
conjunction	-3545 Dec 30 j 23:22	12°♐55'22	-0°19'39
minimum elong	-3545 Dec 30 j 23:21	12°♐55'22	0°19'46
max. Earth dist.	-3545 Dec 30 j 13:52	12°♐52'24	10.50853 AU
morning rise	-3544 Jan 17 j 03:41	15°♐03'16	
retrograde	-3544 May 02 j 04:00	22°♐54'43	
opposition	-3544 Jul 11 j 05:42	19°♐28'31	-0°44'10
min. Earth dist.	-3544 Jul 11 j 12:19	19°♐27'14	8.43664 AU
direct	-3544 Sep 16 j 23:04	16°♐07'03	
evening set	-3544 Dec 26 j 00:00	23°♐39'56	
conjunction	-3543 Jan 12 j 03:24	25°♐49'23	-0°50'49
minimum elong	-3543 Jan 12 j 03:22	25°♐49'22	0°50'57
max. Earth dist.	-3543 Jan 11 j 21:30	25°♐47'30	10.36724 AU
morning rise	-3543 Jan 29 j 11:45	28°♐00'28	
	-3543 Feb 14 j 23:57	0°♑	
retrograde	-3543 May 16 j 07:04	6°♑03'47	
opposition	-3543 Jul 24 j 21:26	2°♑36'04	-1°22'10
min. Earth dist.	-3543 Jul 25 j 00:54	2°♑35'23	8.29818 AU
	-3543 Aug 31 j 10:37	30°℞♐	
direct	-3543 Sep 30 j 01:01	29°♐13'27	
	-3543 Oct 29 j 03:20	0°♑	
evening set	-3542 Jan 08 j 13:03	6°♑56'31	
conjunction	-3542 Jan 25 j 20:14	9°♑09'00	-1°20'12
minimum elong	-3542 Jan 25 j 20:11	9°♑08'59	1°20'20
max. Earth dist.	-3542 Jan 25 j 17:48	9°♑08'13	10.23253 AU
morning rise	-3542 Feb 12 j 08:29	11°♑23'10	
retrograde	-3542 May 30 j 19:15	19°♑37'42	
opposition	-3542 Aug 07 j 20:44	16°♑08'36	-1°56'55
min. Earth dist.	-3542 Aug 07 j 20:54	16°♑08'34	8.17015 AU
direct	-3542 Oct 13 j 12:03	12°♑44'43	
evening set	-3541 Jan 22 j 14:59	20°♑38'11	
conjunction	-3541 Feb 09 j 01:54	22°♑53'33	-1°45'51
minimum elong	-3541 Feb 09 j 01:51	22°♑53'32	1°45'59
max. Earth dist.	-3541 Feb 09 j 02:38	22°♑53'47	10.11160 AU
morning rise	-3541 Feb 26 j 17:54	25°♑10'35	
	-3541 Apr 09 j 09:44	0°♒	
retrograde	-3541 Jun 14 j 15:03	3°♒34'47	
opposition	-3541 Aug 22 j 02:37	0°♒04'34	-2°25'55
min. Earth dist.	-3541 Aug 22 j 00:12	0°♒05'04	8.05929 AU
	-3541 Aug 23 j 01:03	30°℞♑	
direct	-3541 Oct 27 j 07:20	26°♑39'19	
	-3541 Dec 27 j 21:54	0°♒	
evening set	-3540 Feb 06 j 05:23	4°♒42'49	
conjunction	-3540 Feb 23 j 20:02	7°♒00'48	-2°05'51
minimum elong	-3540 Feb 23 j 19:59	7°♒00'47	2°05'57
max. Earth dist.	-3540 Feb 23 j 23:36	7°♒01'58	10.01087 AU
morning rise	-3540 Mar 12 j 15:30	9°♒20'19	
	-3540 May 01 j 10:32	15°♒	
retrograde	-3540 Jun 28 j 16:25	17°♒51'47	
	-3540 Aug 27 j 14:30	15°℞♒	
opposition	-3540 Sep 04 j 13:41	14°♒20'50	-2°46'43
min. Earth dist.	-3540 Sep 04 j 09:10	14°♒21'46	7.97160 AU
direct	-3540 Nov 09 j 11:38	10°♒54'15	
	-3539 Jan 17 j 03:24	15°♒	
evening set	-3539 Feb 20 j 06:30	19°♒06'44	
conjunction	-3539 Mar 10 j 00:48	21°♒26'54	-2°18'25
minimum elong	-3539 Mar 10 j 00:47	21°♒26'54	2°18'30
max. Earth dist.	-3539 Mar 10 j 07:19	21°♒29'04	9.93650 AU
morning rise	-3539 Mar 27 j 23:19	23°♒48'24	
	-3539 May 22 j 05:07	0°♓	
retrograde	-3539 Jul 13 j 19:51	2°♓23'58	
	-3539 Sep 05 j 10:44	30°℞♒	
opposition	-3539 Sep 19 j 04:29	28°♒52'42	-2°57'18
min. Earth dist.	-3539 Sep 18 j 21:56	28°♒54'04	7.91327 AU
direct	-3539 Nov 24 j 00:25	25°♒24'56	
	-3538 Feb 05 j 02:17	0°♓	
evening set	-3538 Mar 07 j 15:34	3°♓44'19	
conjunction	-3538 Mar 25 j 13:23	6°♓06'05	-2°22'18
minimum elong	-3538 Mar 25 j 13:23	6°♓06'05	2°22'22
max. Earth dist.	-3538 Mar 25 j 23:16	6°♓09'22	9.89472 AU
morning rise	-3538 Apr 12 j 14:24	8°♓28'51	
retrograde	-3538 Jul 28 j 22:13	17°♓04'39	
opposition	-3538 Oct 03 j 20:44	13°♓33'27	-2°56'27
min. Earth dist.	-3538 Oct 03 j 11:58	13°♓35'17	7.88960 AU
direct	-3538 Dec 08 j 19:17	10°♓04'41	
evening set	-3537 Mar 23 j 05:29	18°♓28'07	
conjunction	-3537 Apr 10 j 06:23	20°♓50'45	-2°16'59
minimum elong	-3537 Apr 10 j 06:25	20°♓50'46	2°17'01
max. Earth dist.	-3537 Apr 10 j 19:26	20°♓55'05	9.88961 AU
morning rise	-3537 Apr 28 j 09:12	23°♓13'58	
	-3537 Jun 29 j 15:26	0°♈	
retrograde	-3537 Aug 12 j 20:29	1°♈45'48	
	-3537 Sep 26 j 14:40	30°℞♓	
opposition	-3537 Oct 18 j 11:45	28°♓15'07	-2°44'02
min. Earth dist.	-3537 Oct 18 j 00:58	28°♓17'23	7.90300 AU
direct	-3537 Dec 23 j 17:13	24°♓45'37	
	-3536 Mar 12 j 04:30	0°♈	
evening set	-3536 Apr 06 j 20:08	3°♈09'49	
conjunction	-3536 Apr 24 j 23:20	5°♈32'28	-2°02'48
minimum elong	-3536 Apr 24 j 23:24	5°♈32'29	2°02'48
max. Earth dist.	-3536 Apr 25 j 14:42	5°♈37'32	9.92192 AU
morning rise	-3536 May 13 j 02:57	7°♈55'11	
retrograde	-3536 Aug 26 j 12:07	16°♈19'22	
opposition	-3536 Oct 31 j 23:30	12°♈49'37	-2°21'06
min. Earth dist.	-3536 Oct 31 j 11:16	12°♈52'10	7.95267 AU

Attention, astronomical year style is used: The year -3535 in astronomical counting style is the year 3536 BCE in historical counting style.

direct	-3535 Jan 06 j 14:42	9°♈19'41	
evening set	-3535 Apr 22 j 07:24	17°♈41'25	
conjunction	-3535 May 10 j 11:42	20°♈03'09	-1°40'58
minimum elong	-3535 May 10 j 11:46	20°♈03'10	1°40'56
max. Earth dist.	-3535 May 11 j 04:25	20°♈08'37	9.98929 AU
morning rise	-3535 May 28 j 14:54	22°♈24'28	
	-3535 Aug 14 j 18:02	0°♉	
retrograde	-3535 Sep 09 j 20:13	0°♉38'12	
	-3535 Oct 06 j 01:10	30°℞♈	
opposition	-3535 Nov 15 j 05:50	27°♈09'43	-1°49'41
min. Earth dist.	-3535 Nov 14 j 17:01	27°♈12'22	8.03509 AU
direct	-3534 Jan 21 j 09:47	23°♈39'42	
	-3534 Apr 21 j 19:36	0°♉	
evening set	-3534 May 07 j 12:01	1°♉56'09	
conjunction	-3534 May 25 j 16:03	4°♉16'07	-1°13'19
minimum elong	-3534 May 25 j 16:06	4°♉16'08	1°13'16
max. Earth dist.	-3534 May 26 j 08:51	4°♉21'32	10.08683 AU
morning rise	-3534 Jun 12 j 17:36	6°♉35'14	
retrograde	-3534 Sep 23 j 18:23	14°♉36'44	
opposition	-3534 Nov 29 j 05:10	11°♉09'47	-1°12'26
min. Earth dist.	-3534 Nov 28 j 17:06	11°♉12'15	8.14452 AU
direct	-3533 Feb 05 j 00:26	7°♉40'00	
	-3533 May 15 j 16:36	15°♉	
evening set	-3533 May 22 j 07:25	15°♉49'05	
conjunction	-3533 Jun 09 j 09:38	18°♉06'32	-0°42'01
minimum elong	-3533 Jun 09 j 09:40	18°♉06'33	0°41'55
max. Earth dist.	-3533 Jun 10 j 00:58	18°♉11'25	10.20773 AU
morning rise	-3533 Jun 27 j 08:17	20°♉22'50	
retrograde	-3533 Oct 07 j 05:16	28°♉11'25	
opposition	-3533 Dec 12 j 20:53	24°♉46'11	-0°32'10
min. Earth dist.	-3533 Dec 12 j 10:25	24°♉48'19	8.27374 AU
direct	-3532 Feb 19 j 09:02	21°♉16'59	
evening set	-3532 Jun 04 j 15:41	29°♉17'17	
	-3532 Jun 10 j 09:49	0°♊	
conjunction	-3532 Jun 22 j 14:38	1°♊31'41	-0°09'13
minimum elong	-3532 Jun 22 j 14:39	1°♊31'41	0°09'06
behind sun begin	-3532 Jun 22 j 08:30	1°♊29'46	
behind sun end	-3532 Jun 22 j 20:47	1°♊33'35	
max. Earth dist.	-3532 Jun 23 j 03:16	1°♊35'38	10.34425 AU
morning rise	-3532 Jul 10 j 09:17	3°♊44'42	
asc. node	-3532 Oct 06 j 12:26	11°♊11'50	
retrograde	-3532 Oct 19 j 04:45	11°♊20'43	
opposition	-3532 Dec 25 j 04:30	7°♊57'15	0°08'30
min. Earth dist.	-3532 Dec 24 j 19:45	7°♊59'00	8.41497 AU
direct	-3531 Mar 04 j 09:52	4°♊28'53	
evening set	-3531 Jun 18 j 11:58	12°♊19'44	
conjunction	-3531 Jul 06 j 06:38	14°♊30'48	0°23'13
minimum elong	-3531 Jul 06 j 06:37	14°♊30'47	0°23'21
max. Earth dist.	-3531 Jul 06 j 16:15	14°♊33'45	10.48860 AU
morning rise	-3531 Jul 23 j 20:30	16°♊40'20	
retrograde	-3531 Oct 31 j 19:33	24°♊04'45	
opposition	-3530 Jan 07 j 04:07	20°♊42'58	0°47'22
min. Earth dist.	-3530 Jan 06 j 20:56	20°♊44'23	8.56054 AU
direct	-3530 Mar 18 j 01:09	17°♊15'41	
evening set	-3530 Jul 01 j 20:11	24°♊56'59	
conjunction	-3530 Jul 19 j 09:55	27°♊04'40	0°53'32
minimum elong	-3530 Jul 19 j 09:53	27°♊04'39	0°53'41
max. Earth dist.	-3530 Jul 19 j 16:45	27°♊06'45	10.63331 AU
morning rise	-3530 Aug 05 j 18:29	29°♊10'45	
	-3530 Aug 12 j 17:26	0°♋	
retrograde	-3530 Nov 13 j 01:54	6°♋24'57	
opposition	-3529 Jan 19 j 20:30	3°♋04'46	1°22'41
min. Earth dist.	-3529 Jan 19 j 15:05	3°♋05'49	8.70313 AU
	-3529 Mar 10 j 11:56	30°℞♊	
direct	-3529 Mar 31 j 07:39	29°♊38'43	
	-3529 Apr 21 j 01:16	0°♋	
evening set	-3529 Jul 14 j 16:56	7°♋10'53	
conjunction	-3529 Aug 01 j 01:23	9°♋15'16	1°20'36
minimum elong	-3529 Aug 01 j 01:20	9°♋15'15	1°20'44
max. Earth dist.	-3529 Aug 01 j 05:55	9°♋16'38	10.77152 AU
morning rise	-3529 Aug 18 j 04:26	11°♋18'05	
retrograde	-3529 Nov 25 j 02:12	18°♋23'44	
opposition	-3528 Feb 01 j 06:32	15°♋04'59	1°53'15
min. Earth dist.	-3528 Feb 01 j 03:51	15°♋05'30	8.83642 AU
direct	-3528 Apr 12 j 05:00	11°♋40'16	
evening set	-3528 Jul 26 j 03:07	19°♋04'00	
conjunction	-3528 Aug 12 j 06:11	21°♋05'23	1°43'30
minimum elong	-3528 Aug 12 j 06:08	21°♋05'22	1°43'38
max. Earth dist.	-3528 Aug 12 j 07:32	21°♋05'47	10.89748 AU
morning rise	-3528 Aug 29 j 04:07	23°♋05'17	
	-3528 Nov 26 j 21:50	0°♌	
retrograde	-3528 Dec 05 j 19:46	0°♌04'06	
	-3528 Dec 14 j 18:03	30°℞♋	
opposition	-3527 Feb 12 j 11:13	26°♋46'35	2°18'13
min. Earth dist.	-3527 Feb 12 j 11:40	26°♋46'30	8.95508 AU
direct	-3527 Apr 24 j 17:26	23°♋23'12	
	-3527 Aug 01 j 09:38	0°♌	
evening set	-3527 Aug 07 j 03:46	0°♌39'26	
conjunction	-3527 Aug 24 j 01:47	2°♌38'12	2°01'38
minimum elong	-3527 Aug 24 j 01:44	2°♌38'11	2°01'45
max. Earth dist.	-3527 Aug 23 j 23:20	2°♌37'29	11.00638 AU
morning rise	-3527 Sep 09 j 19:19	4°♌35'40	
retrograde	-3527 Dec 17 j 08:13	11°♌29'25	
opposition	-3526 Feb 24 j 11:30	8°♌12'50	2°37'05
min. Earth dist.	-3526 Feb 24 j 14:30	8°♌12'17	9.05449 AU
direct	-3526 May 07 j 01:24	4°♌50'45	
evening set	-3526 Aug 18 j 20:28	12°♌00'34	
conjunction	-3526 Sep 04 j 14:08	13°♌57'12	2°14'38
minimum elong	-3526 Sep 04 j 14:06	13°♌57'11	2°14'44
max. Earth dist.	-3526 Sep 04 j 08:46	13°♌55'37	11.09421 AU
	-3526 Sep 13 j 13:16	15°♌	
morning rise	-3526 Sep 21 j 03:55	15°♌52'42	
retrograde	-3526 Dec 28 j 20:15	22°♌43'10	
opposition	-3525 Mar 08 j 08:35	19°♌27'13	2°49'33
min. Earth dist.	-3525 Mar 08 j 13:19	19°♌26'21	9.13102 AU
direct	-3525 May 19 j 02:47	16°♌06'21	
evening set	-3525 Aug 30 j 06:39	23°♌10'51	
conjunction	-3525 Sep 15 j 20:53	25°♌05'54	2°22'20
minimum elong	-3525 Sep 15 j 20:52	25°♌05'54	2°22'24
max. Earth dist.	-3525 Sep 15 j 13:50	25°♌03'51	11.15793 AU
morning rise	-3525 Oct 02 j 07:40	27°♌00'01	
	-3525 Oct 30 j 08:34	0°♍	
retrograde	-3524 Jan 09 j 05:55	3°♍48'52	
opposition	-3524 Mar 19 j 03:55	0°♍33'15	2°55'32
min. Earth dist.	-3524 Mar 19 j 10:41	0°♍32'00	9.18215 AU
	-3524 Mar 26 j 18:04	30°℞♌	
direct	-3524 May 29 j 21:51	27°♌13'26	
	-3524 Jul 29 j 22:41	0°♍	
evening set	-3524 Sep 09 j 11:52	4°♍13'51	
conjunction	-3524 Sep 25 j 23:28	6°♍07'51	2°24'38
minimum elong	-3524 Sep 25 j 23:28	6°♍07'51	2°24'41
max. Earth dist.	-3524 Sep 25 j 14:13	6°♍05'10	11.19548 AU

Attention, astronomical year style is used: The year -3524 in astronomical counting style is the year 3525 BCE in historical counting style.

morning rise	-3524 Oct 12 j 08:25	8°♍01'09	
retrograde	-3523 Jan 19 j 16:32	14°♍50'04	
opposition	-3523 Mar 30 j 22:31	11°♍34'27	2°55'02
min. Earth dist.	-3523 Mar 31 j 07:58	11°♍32'44	9.20621 AU
direct	-3523 Jun 10 j 14:43	8°♍15'29	
evening set	-3523 Sep 20 j 14:03	15°♍13'06	
conjunction	-3523 Oct 06 j 23:53	17°♍06'38	2°21'36
minimum elong	-3523 Oct 06 j 23:55	17°♍06'38	2°21'38
max. Earth dist.	-3523 Oct 06 j 11:42	17°♍03'05	11.20564 AU
morning rise	-3523 Oct 23 j 08:10	18°♍59'45	
retrograde	-3522 Jan 31 j 02:41	25°♍50'18	
opposition	-3522 Apr 11 j 17:15	22°♍34'20	2°48'09
min. Earth dist.	-3522 Apr 12 j 04:36	22°♍32'16	9.20226 AU
direct	-3522 Jun 22 j 04:33	19°♍15'59	
evening set	-3522 Oct 01 j 14:37	26°♍12'10	
conjunction	-3522 Oct 17 j 23:51	28°♍05'48	2°13'21
minimum elong	-3522 Oct 17 j 23:53	28°♍05'49	2°13'22
max. Earth dist.	-3522 Oct 17 j 10:23	28°♍01'53	11.18779 AU
morning rise	-3522 Nov 03 j 08:22	29°♍59'17	
	-3522 Nov 03 j 10:52	0°♎	
retrograde	-3521 Feb 11 j 18:27	6°♎53'11	
opposition	-3521 Apr 23 j 13:40	3°♎36'32	2°35'07
min. Earth dist.	-3521 Apr 24 j 01:45	3°♎34'20	9.16997 AU
direct	-3521 Jul 03 j 20:06	0°♎18'32	
evening set	-3521 Oct 12 j 15:21	7°♎14'40	
max. Earth dist.	-3521 Oct 28 j 11:03	9°♎04'55	11.14186 AU
conjunction	-3521 Oct 29 j 01:00	9°♎09'00	2°00'06
minimum elong	-3521 Oct 29 j 01:03	9°♎09'01	2°00'05
morning rise	-3521 Nov 14 j 10:37	11°♎03'26	
retrograde	-3520 Feb 23 j 14:42	18°♎02'18	
opposition	-3520 May 04 j 12:52	14°♎44'41	2°16'10
min. Earth dist.	-3520 May 05 j 01:31	14°♎42'22	9.10972 AU
direct	-3520 Jul 14 j 09:13	11°♎26'48	
evening set	-3520 Oct 22 j 18:27	18°♎24'26	
conjunction	-3520 Nov 08 j 05:15	20°♎20'00	1°42'09
minimum elong	-3520 Nov 08 j 05:18	20°♎20'01	1°42'06
max. Earth dist.	-3520 Nov 07 j 13:51	20°♎15'28	11.06874 AU
morning rise	-3520 Nov 24 j 17:02	22°♎15'58	
retrograde	-3519 Mar 06 j 15:43	29°♎21'26	
opposition	-3519 May 16 j 15:52	26°♎02'37	1°51'43
min. Earth dist.	-3519 May 17 j 05:36	26°♎00'05	9.02322 AU
direct	-3519 Jul 26 j 00:24	22°♎44'34	
evening set	-3519 Nov 03 j 01:42	29°♎45'21	
	-3519 Nov 05 j 03:51	0°♏	
conjunction	-3519 Nov 19 j 14:24	1°♏42'41	1°19'55
minimum elong	-3519 Nov 19 j 14:27	1°♏42'42	1°19'51
max. Earth dist.	-3519 Nov 18 j 22:03	1°♏37'49	10.97099 AU
morning rise	-3519 Dec 06 j 05:11	3°♏40'41	
retrograde	-3518 Mar 19 j 00:48	10°♏54'22	
opposition	-3518 May 29 j 00:04	7°♏34'05	1°22'17
min. Earth dist.	-3518 May 29 j 13:59	7°♏31'30	8.91391 AU
direct	-3518 Aug 06 j 20:26	4°♏15'36	
evening set	-3518 Nov 14 j 14:51	11°♏21'05	
conjunction	-3518 Dec 01 j 06:13	13°♏20'37	0°54'00
minimum elong	-3518 Dec 01 j 06:15	13°♏20'37	0°53'55
max. Earth dist.	-3518 Nov 30 j 14:54	13°♏16'00	10.85255 AU
	-3518 Dec 15 j 01:16	15°♏	
morning rise	-3518 Dec 18 j 00:27	15°♏21'05	
retrograde	-3517 Mar 31 j 17:28	22°♏44'26	
opposition	-3517 Jun 10 j 14:18	19°♏22'27	0°48'39
min. Earth dist.	-3517 Jun 11 j 02:56	19°♏20'04	8.78638 AU
direct	-3517 Aug 18 j 20:59	16°♏03'17	
evening set	-3517 Nov 26 j 12:04	23°♏14'59	
conjunction	-3517 Dec 13 j 06:39	25°♏17'07	0°25'09
minimum elong	-3517 Dec 13 j 06:39	25°♏17'07	0°25'03
max. Earth dist.	-3517 Dec 12 j 17:20	25°♏13'03	10.71829 AU
morning rise	-3517 Dec 30 j 04:42	27°♏20'25	
	-3516 Jan 22 j 10:56	0°♐	
retrograde	-3516 Apr 12 j 20:41	4°♐54'35	
opposition	-3516 Jun 22 j 11:14	1°♐30'47	0°11'49
min. Earth dist.	-3516 Jun 22 j 21:38	1°♐28'48	8.64601 AU
	-3516 Jul 13 j 01:05	30°℞♏	
direct	-3516 Aug 30 j 03:40	28°♏10'41	
	-3516 Oct 15 j 09:13	0°♐	
desc. node	-3516 Oct 17 j 11:49	0°♐09'45	
evening set	-3516 Dec 07 j 19:06	5°♐30'04	
conjunction	-3516 Dec 24 j 17:06	7°♐35'06	-0°05'42
minimum elong	-3516 Dec 24 j 17:06	7°♐35'06	0°05'49
behind sun begin	-3516 Dec 24 j 10:20	7°♐33'01	
behind sun end	-3516 Dec 24 j 23:53	7°♐37'11	
max. Earth dist.	-3516 Dec 24 j 05:25	7°♐31'29	10.57390 AU
morning rise	-3515 Jan 10 j 19:21	9°♐41'31	
retrograde	-3515 Apr 26 j 10:38	17°♐27'22	
opposition	-3515 Jul 05 j 15:42	14°♐01'44	-0°26'48
min. Earth dist.	-3515 Jul 05 j 24:00	14°♐00'08	8.49888 AU
direct	-3515 Sep 11 j 15:47	10°♐40'30	
evening set	-3515 Dec 20 j 13:27	18°♐08'56	
conjunction	-3514 Jan 06 j 15:00	20°♐17'00	-0°37'01
minimum elong	-3514 Jan 06 j 14:58	20°♐17'00	0°37'09
max. Earth dist.	-3514 Jan 06 j 05:16	20°♐13'57	10.42585 AU
morning rise	-3514 Jan 23 j 21:30	22°♐26'40	
	-3514 Apr 18 j 08:05	0°♑	
retrograde	-3514 May 10 j 08:37	0°♑24'38	
	-3514 Jun 01 j 10:32	30°℞♐	
opposition	-3514 Jul 19 j 04:01	26°♐57'15	-1°05'27
min. Earth dist.	-3514 Jul 19 j 10:07	26°♐56'03	8.35195 AU
direct	-3514 Sep 24 j 13:39	23°♐34'43	
	-3514 Dec 23 j 22:13	0°♑	
evening set	-3513 Jan 02 j 20:20	1°♑13'15	
conjunction	-3513 Jan 20 j 01:40	3°♑24'27	-1°07'24
minimum elong	-3513 Jan 20 j 01:37	3°♑24'26	1°07'32
max. Earth dist.	-3513 Jan 19 j 19:02	3°♑22'20	10.28143 AU
morning rise	-3513 Feb 06 j 12:20	5°♑37'21	
retrograde	-3513 May 24 j 16:00	13°♑47'12	
opposition	-3513 Aug 02 j 00:02	10°♑18'11	-1°41'58
min. Earth dist.	-3513 Aug 02 j 03:35	10°♑17'29	8.21276 AU
direct	-3513 Oct 07 j 21:14	6°♑54'16	
evening set	-3512 Jan 16 j 16:21	14°♑43'28	
conjunction	-3512 Feb 03 j 01:37	16°♑57'44	-1°34'57
minimum elong	-3512 Feb 03 j 01:34	16°♑57'43	1°35'06
max. Earth dist.	-3512 Feb 02 j 23:11	16°♑56'57	10.14827 AU
morning rise	-3512 Feb 20 j 16:09	19°♑13'42	
retrograde	-3512 Jun 07 j 08:13	27°♑34'21	
opposition	-3512 Aug 15 j 03:13	24°♑04'00	-2°13'53
min. Earth dist.	-3512 Aug 15 j 03:27	24°♑03'57	8.08886 AU
direct	-3512 Oct 20 j 13:31	20°♑38'40	
evening set	-3511 Jan 30 j 01:24	28°♑38'27	
	-3511 Feb 09 j 12:57	0°♒	
conjunction	-3511 Feb 16 j 14:32	0°♒55'32	-1°57'44
minimum elong	-3511 Feb 16 j 14:29	0°♒55'31	1°57'52
max. Earth dist.	-3511 Feb 16 j 16:35	0°♒56'13	10.03400 AU
morning rise	-3511 Mar 06 j 08:32	3°♒14'15	

Attention, astronomical year style is used: The year -3511 in astronomical counting style is the year 3512 BCE in historical counting style.

retrograde	-3511 Jun 22 j 07:33	11°♒43'38	
opposition	-3511 Aug 29 j 12:26	8°♒12'16	-2°38'41
min. Earth dist.	-3511 Aug 29 j 09:04	8°♒12'58	7.98767 AU
direct	-3511 Nov 03 j 14:12	4°♒45'36	
evening set	-3510 Feb 13 j 22:11	12°♒55'04	
	-3510 Mar 01 j 19:00	15°♒	
conjunction	-3510 Mar 03 j 15:05	15°♒14'35	-2°13'50
minimum elong	-3510 Mar 03 j 15:03	15°♒14'34	2°13'57
max. Earth dist.	-3510 Mar 03 j 21:33	15°♒16'43	9.94603 AU
morning rise	-3510 Mar 21 j 12:14	17°♒35'31	
retrograde	-3510 Jul 07 j 11:00	26°♒10'37	
opposition	-3510 Sep 13 j 02:13	22°♒38'42	-2°54'04
min. Earth dist.	-3510 Sep 12 j 19:30	22°♒40'05	7.91585 AU
direct	-3510 Nov 17 j 23:25	19°♒10'48	
evening set	-3509 Mar 01 j 04:25	27°♒28'08	
conjunction	-3509 Mar 19 j 00:55	29°♒49'32	-2°21'44
minimum elong	-3509 Mar 19 j 00:54	29°♒49'32	2°21'48
max. Earth dist.	-3509 Mar 19 j 11:17	29°♒52'59	9.89046 AU
	-3509 Mar 20 j 08:26	0°♓	
morning rise	-3509 Apr 06 j 00:50	2°♓12'03	
retrograde	-3509 Jul 22 j 14:56	10°♓49'04	
opposition	-3509 Sep 27 j 18:27	7°♓17'05	-2°58'23
min. Earth dist.	-3509 Sep 27 j 09:06	7°♓19'03	7.87837 AU
direct	-3509 Dec 02 j 15:17	3°♓48'10	
evening set	-3508 Mar 15 j 17:06	12°♓10'49	
conjunction	-3508 Apr 02 j 16:48	14°♓33'24	-2°20'30
minimum elong	-3508 Apr 02 j 16:50	14°♓33'24	2°20'33
max. Earth dist.	-3508 Apr 03 j 06:07	14°♓37'49	9.87132 AU
morning rise	-3508 Apr 20 j 18:52	16°♓56'42	
retrograde	-3508 Aug 05 j 16:23	25°♓31'30	
opposition	-3508 Oct 11 j 10:39	21°♓59'58	-2°51'00
min. Earth dist.	-3508 Oct 10 j 23:40	22°♓02'17	7.87808 AU
direct	-3508 Dec 16 j 11:29	18°♓30'18	
evening set	-3507 Mar 31 j 08:12	26°♓55'09	
conjunction	-3507 Apr 18 j 10:27	29°♓18'05	-2°10'08
minimum elong	-3507 Apr 18 j 10:30	29°♓18'06	2°10'09
max. Earth dist.	-3507 Apr 19 j 01:53	29°♓23'11	9.89027 AU
	-3507 Apr 23 j 17:06	0°♈	
morning rise	-3507 May 06 j 13:52	1°♈41'18	
retrograde	-3507 Aug 20 j 12:25	10°♈09'56	
opposition	-3507 Oct 26 j 00:35	6°♈39'22	-2°32'28
min. Earth dist.	-3507 Oct 25 j 12:30	6°♈41'53	7.91528 AU
direct	-3507 Dec 31 j 09:22	3°♈09'17	
evening set	-3506 Apr 15 j 21:37	11°♈33'01	
conjunction	-3506 May 04 j 01:31	13°♈55'25	-1°51'27
minimum elong	-3506 May 04 j 01:35	13°♈55'26	1°51'25
max. Earth dist.	-3506 May 04 j 18:13	14°♈00'54	9.94611 AU
morning rise	-3506 May 22 j 05:15	16°♈17'39	
retrograde	-3506 Sep 04 j 00:52	24°♈36'52	
opposition	-3506 Nov 09 j 09:58	21°♈07'39	-2°04'25
min. Earth dist.	-3506 Nov 08 j 21:18	21°♈10'17	7.98747 AU
direct	-3505 Jan 15 j 07:04	17°♈37'32	
evening set	-3505 May 01 j 06:07	25°♈57'10	
conjunction	-3505 May 19 j 10:24	28°♈18'07	-1°26'03
minimum elong	-3505 May 19 j 10:28	28°♈18'09	1°26'00
max. Earth dist.	-3505 May 20 j 03:16	28°♈23'37	10.03486 AU
	-3505 Jun 01 j 12:51	0°♉	
morning rise	-3505 Jun 06 j 13:06	0°♉38'29	
retrograde	-3505 Sep 18 j 03:03	8°♉46'01	
opposition	-3505 Nov 23 j 12:56	5°♉18'27	-1°29'18
min. Earth dist.	-3505 Nov 23 j 00:04	5°♉21'06	8.08971 AU
direct	-3504 Jan 30 j 01:27	1°♉48'41	
evening set	-3504 May 15 j 06:28	10°♉01'44	
conjunction	-3504 Jun 02 j 09:39	12°♉20'27	-0°56'00
minimum elong	-3504 Jun 02 j 09:42	12°♉20'28	0°55'56
max. Earth dist.	-3504 Jun 03 j 01:57	12°♉25'41	10.15044 AU
morning rise	-3504 Jun 20 j 09:55	14°♉38'11	
	-3504 Jun 23 j 07:43	15°♉	
retrograde	-3504 Sep 30 j 18:43	22°♉32'56	
opposition	-3504 Dec 06 j 08:38	19°♉07'12	-0°49'56
min. Earth dist.	-3504 Dec 05 j 19:56	19°♉09'47	8.21530 AU
direct	-3503 Feb 12 j 13:35	15°♉38'05	
evening set	-3503 May 29 j 20:14	23°♉42'44	
conjunction	-3503 Jun 16 j 20:54	25°♉58'35	-0°23'32
minimum elong	-3503 Jun 16 j 20:55	25°♉58'35	0°23'26
max. Earth dist.	-3503 Jun 17 j 12:13	26°♉03'25	10.28532 AU
morning rise	-3503 Jul 04 j 17:30	28°♉13'08	
	-3503 Jul 19 j 11:43	0°♊	
retrograde	-3503 Oct 14 j 00:38	5°♊55'00	
opposition	-3503 Dec 19 j 20:18	2°♊31'08	-0°09'04
min. Earth dist.	-3503 Dec 19 j 08:57	2°♊33'25	8.35640 AU
	-3502 Jan 24 j 03:08	30°℞♉	
direct	-3502 Feb 26 j 17:16	29°♉02'54	
asc. node	-3502 Mar 14 j 07:28	29°♉15'33	
	-3502 Apr 01 j 04:33	0°♊	
evening set	-3502 Jun 12 j 22:30	6°♊58'08	
conjunction	-3502 Jun 30 j 19:22	9°♊10'43	0°09'21
minimum elong	-3502 Jun 30 j 19:22	9°♊10'43	0°09'29
behind sun begin	-3502 Jun 30 j 13:21	9°♊08'52	
behind sun end	-3502 Jul 01 j 01:22	9°♊12'34	
max. Earth dist.	-3502 Jul 01 j 08:26	9°♊14'46	10.43123 AU
morning rise	-3502 Jul 18 j 11:20	11°♊21'47	
retrograde	-3502 Oct 26 j 21:31	18°♊51'21	
opposition	-3501 Jan 01 j 23:46	15°♊29'20	0°30'51
min. Earth dist.	-3501 Jan 01 j 14:56	15°♊31'05	8.50464 AU
direct	-3501 Mar 12 j 11:35	12°♊02'07	
evening set	-3501 Jun 26 j 12:42	19°♊47'39	
conjunction	-3501 Jul 14 j 04:44	21°♊56'47	0°40'45
minimum elong	-3501 Jul 14 j 04:42	21°♊56'47	0°40'52
max. Earth dist.	-3501 Jul 14 j 14:11	21°♊59'41	10.57966 AU
morning rise	-3501 Jul 31 j 15:31	24°♊04'20	
	-3501 Sep 29 j 11:21	0°♋	
retrograde	-3501 Nov 08 j 06:45	1°♋22'50	
	-3501 Dec 18 j 22:40	30°℞♊	
opposition	-3500 Jan 14 j 19:43	28°♊02'31	1°07'54
min. Earth dist.	-3500 Jan 14 j 14:01	28°♊03'37	8.65160 AU
direct	-3500 Mar 24 j 23:10	24°♊36'27	
	-3500 Jun 19 j 06:45	0°♋	
evening set	-3500 Jul 08 j 14:46	2°♋12'32	
conjunction	-3500 Jul 26 j 01:24	4°♋18'15	1°09'21
minimum elong	-3500 Jul 26 j 01:22	4°♋18'14	1°09'29
max. Earth dist.	-3500 Jul 26 j 06:23	4°♋19'45	10.72253 AU
morning rise	-3500 Aug 12 j 06:54	6°♋22'25	
retrograde	-3500 Nov 19 j 08:35	13°♋31'35	
opposition	-3499 Jan 26 j 08:41	10°♋12'46	1°40'39
min. Earth dist.	-3499 Jan 26 j 05:39	10°♋13'21	8.78961 AU
direct	-3499 Apr 07 j 01:56	6°♋47'57	
evening set	-3499 Jul 21 j 05:45	14°♋15'17	
conjunction	-3499 Aug 07 j 11:02	16°♋17'53	1°34'08
minimum elong	-3499 Aug 07 j 10:59	16°♋17'52	1°34'16
max. Earth dist.	-3499 Aug 07 j 12:16	16°♋18'15	10.85322 AU
morning rise	-3499 Aug 24 j 11:18	18°♋18'58	

Attention, astronomical year style is used: The year -3499 in astronomical counting style is the year 3500 BCE in historical counting style.

retrograde	-3499 Dec 01 j 05:36	25°♋20'36		
opposition	-3498 Feb 07 j 15:36	22°♋03'01	2°08'07	
min. Earth dist.	-3498 Feb 07 j 14:55	22°♋03'08	8.91296 AU	
direct	-3498 Apr 19 j 18:54	18°♋39'28		
evening set	-3498 Aug 02 j 10:47	25°♋58'56		
conjunction	-3498 Aug 19 j 11:03	27°♋58'47	1°54'23	
minimum elong	-3498 Aug 19 j 11:00	27°♋58'46	1°54'30	
max. Earth dist.	-3498 Aug 19 j 09:34	27°♋58'21	10.96701 AU	
morning rise	-3498 Sep 05 j 06:25	29°♋57'15		
	-3498 Sep 05 j 15:57	0°♌		
retrograde	-3498 Dec 12 j 21:06	6°♌53'07		
opposition	-3497 Feb 19 j 17:58	3°♌36'27	2°29'40	
min. Earth dist.	-3497 Feb 19 j 19:57	3°♌36'05	9.01751 AU	
direct	-3497 May 02 j 05:03	0°♌14'05		
evening set	-3497 Aug 14 j 07:10	7°♌26'42		
conjunction	-3497 Aug 31 j 02:47	9°♌24'13	2°09'39	
minimum elong	-3497 Aug 31 j 02:44	9°♌24'13	2°09'45	
max. Earth dist.	-3497 Aug 30 j 22:29	9°♌22'58	11.06031 AU	
morning rise	-3497 Sep 16 j 17:57	11°♌20'31		
	-3497 Oct 21 j 10:14	15°♌		
retrograde	-3497 Dec 24 j 09:46	18°♌12'22		
	-3496 Mar 01 j 21:00	15℞♌		
opposition	-3496 Mar 02 j 16:49	14°♌56'20	2°44'56	
min. Earth dist.	-3496 Mar 02 j 22:06	14°♌55'21	9.10003 AU	
direct	-3496 May 13 j 08:28	11°♌35'01		
	-3496 Jul 20 j 14:14	15°♌		
evening set	-3496 Aug 24 j 20:22	18°♌41'51		
conjunction	-3496 Sep 10 j 11:58	20°♌37'34	2°19'39	
minimum elong	-3496 Sep 10 j 11:57	20°♌37'33	2°19'44	
max. Earth dist.	-3496 Sep 10 j 04:00	20°♌35'14	11.13036 AU	
morning rise	-3496 Sep 27 j 00:00	22°♌32'16		
retrograde	-3495 Jan 03 j 18:14	29°♌21'47		
opposition	-3495 Mar 14 j 12:58	26°♌05'59	2°53'44	
min. Earth dist.	-3495 Mar 14 j 20:46	26°♌04'33	9.15802 AU	
direct	-3495 May 25 j 06:33	22°♌45'33		
evening set	-3495 Sep 05 j 03:42	29°♌47'49		
	-3495 Sep 06 j 22:28	0°♍		
conjunction	-3495 Sep 21 j 16:19	1°♍42'16	2°24'16	
minimum elong	-3495 Sep 21 j 16:19	1°♍42'16	2°24'21	
max. Earth dist.	-3495 Sep 21 j 05:55	1°♍39'15	11.17503 AU	
morning rise	-3495 Oct 08 j 02:09	3°♍35'57		
retrograde	-3494 Jan 15 j 04:35	10°♍24'50		
opposition	-3494 Mar 26 j 07:41	7°♍08'57	2°56'02	
min. Earth dist.	-3494 Mar 26 j 16:56	7°♍07'16	9.18954 AU	
direct	-3494 Jun 06 j 02:40	3°♍49'15		
evening set	-3494 Sep 16 j 06:57	10°♍48'11		
conjunction	-3494 Oct 02 j 17:37	12°♍41'58	2°23'32	
minimum elong	-3494 Oct 02 j 17:38	12°♍41'58	2°23'35	
max. Earth dist.	-3494 Oct 02 j 06:11	12°♍38'38	11.19285 AU	
morning rise	-3494 Oct 19 j 02:04	14°♍35'11		
retrograde	-3493 Jan 26 j 15:36	21°♍25'05		
opposition	-3493 Apr 07 j 02:17	18°♍08'50	2°51'55	
min. Earth dist.	-3493 Apr 07 j 12:50	18°♍06'54	9.19366 AU	
direct	-3493 Jun 17 j 17:19	14°♍49'43		
evening set	-3493 Sep 27 j 08:00	21°♍46'39		
conjunction	-3493 Oct 13 j 17:34	23°♍40'18	2°17'31	
minimum elong	-3493 Oct 13 j 17:35	23°♍40'19	2°17'32	
max. Earth dist.	-3493 Oct 13 j 04:27	23°♍36'30	11.18344 AU	
morning rise	-3493 Oct 30 j 01:48	25°♍33'41		
	-3493 Dec 13 j 01:38	0°♎		
retrograde	-3492 Feb 07 j 05:09	2°♎26'15		
	-3492 Apr 06 j 05:46	30°℞♍		
opposition	-3492 Apr 17 j 22:01	29°♍09'22	2°41'30	
min. Earth dist.	-3492 Apr 18 j 10:20	29°♍07'07	9.17050 AU	
direct	-3492 Jun 28 j 06:56	25°♍50'37		
	-3492 Sep 11 j 14:11	0°♎		
evening set	-3492 Oct 07 j 08:27	2°♎46'58		
conjunction	-3492 Oct 23 j 17:49	4°♎41'05	2°06'23	
minimum elong	-3492 Oct 23 j 17:52	4°♎41'06	2°06'22	
max. Earth dist.	-3492 Oct 23 j 02:51	4°♎36'43	11.14725 AU	
morning rise	-3492 Nov 09 j 03:02	6°♎35'12		
retrograde	-3491 Feb 17 j 21:18	13°♎32'04		
opposition	-3491 Apr 29 j 19:53	10°♎14'18	2°25'03	
min. Earth dist.	-3491 Apr 30 j 09:24	10°♎11'49	9.12078 AU	
direct	-3491 Jul 09 j 20:27	6°♎55'44		
evening set	-3491 Oct 18 j 10:18	13°♎52'59		
conjunction	-3491 Nov 03 j 20:32	15°♎48'07	1°50'25	
minimum elong	-3491 Nov 03 j 20:35	15°♎48'08	1°50'22	
max. Earth dist.	-3491 Nov 03 j 05:11	15°♎43'36	11.08528 AU	
morning rise	-3491 Nov 20 j 07:27	17°♎43'31		
retrograde	-3490 Mar 01 j 19:47	24°♎46'19		
opposition	-3490 May 11 j 20:58	21°♎27'26	2°02'54	
min. Earth dist.	-3490 May 12 j 10:15	21°♎24'59	9.04596 AU	
direct	-3490 Jul 21 j 12:25	18°♎08'52		
evening set	-3490 Oct 29 j 15:23	25°♎08'33		
conjunction	-3490 Nov 15 j 03:22	27°♎05'12	1°29'57	
minimum elong	-3490 Nov 15 j 03:24	27°♎05'13	1°29'53	
max. Earth dist.	-3490 Nov 14 j 12:44	27°♎00'52	10.99940 AU	
morning rise	-3490 Dec 01 j 16:43	29°♎02'24		
	-3490 Dec 10 j 01:40	0°♏		
retrograde	-3489 Mar 14 j 03:18	6°♏12'43		
opposition	-3489 May 24 j 02:50	2°♏52'32	1°35'30	
min. Earth dist.	-3489 May 24 j 15:16	2°♏50'13	8.94853 AU	
	-3489 Jul 10 j 01:00	30℞♎		
direct	-3489 Aug 02 j 06:04	29°♎33'47		
	-3489 Aug 25 j 02:08	0°♏		
evening set	-3489 Nov 10 j 01:44	6°♏37'23		
conjunction	-3489 Nov 26 j 15:59	8°♏36'03	1°05'31	
minimum elong	-3489 Nov 26 j 16:02	8°♏36'04	1°05'26	
max. Earth dist.	-3489 Nov 26 j 01:33	8°♏31'43	10.89251 AU	
morning rise	-3489 Dec 13 j 08:37	10°♏35'32		
	-3488 Jan 24 j 02:41	15°♏		
retrograde	-3488 Mar 25 j 16:24	17°♏54'50		
	-3488 May 29 j 15:07	15℞♏		
opposition	-3488 Jun 04 j 14:25	14°♏33'11	1°03'31	
min. Earth dist.	-3488 Jun 05 j 02:16	14°♏30'58	8.83193 AU	
direct	-3488 Aug 13 j 02:24	11°♏14'01		
	-3488 Oct 21 j 05:26	15°♏		
evening set	-3488 Nov 20 j 19:25	18°♏23'10		
conjunction	-3488 Dec 07 j 12:28	20°♏24'14	0°37'47	
minimum elong	-3488 Dec 07 j 12:29	20°♏24'14	0°37'42	
max. Earth dist.	-3488 Dec 06 j 22:17	20°♏19'55	10.76848 AU	
morning rise	-3488 Dec 24 j 08:57	22°♏26'23		
retrograde	-3487 Apr 07 j 14:51	29°♏55'58		
opposition	-3487 Jun 17 j 08:24	26°♏32'47	0°27'53	
min. Earth dist.	-3487 Jun 17 j 19:33	26°♏30'40	8.70065 AU	
direct	-3487 Aug 25 j 06:32	23°♏12'57		
	-3487 Nov 28 j 20:40	0°♐		
evening set	-3487 Dec 02 j 22:06	0°♐29'11		
conjunction	-3487 Dec 19 j 18:28	2°♐32'59	0°07'43	
minimum elong	-3487 Dec 19 j 18:29	2°♐32'59	0°07'37	
behind sun begin	-3487 Dec 19 j 12:04	2°♐31'02		

Attention, astronomical year style is used: The year -3487 in astronomical counting style is the year 3488 BCE in historical counting style.

behind sun end	-3487 Dec 20 j 00:53	2°♐34'56	
max. Earth dist.	-3487 Dec 19 j 06:21	2°♐29'15	10.63217 AU
morning rise	-3486 Jan 05 j 19:00	4°♐38'07	
desc. node	-3486 Mar 22 j 21:52	11°♐37'09	
retrograde	-3486 Apr 20 j 23:50	12°♐19'03	
opposition	-3486 Jun 30 j 09:51	8°♐54'14	-0°10'12
min. Earth dist.	-3486 Jun 30 j 18:57	8°♐52'29	8.56019 AU
direct	-3486 Sep 06 j 16:43	5°♐33'35	
evening set	-3486 Dec 15 j 11:24	12°♐58'15	
conjunction	-3485 Jan 01 j 11:28	15°♐05'01	-0°23'39
minimum elong	-3485 Jan 01 j 11:27	15°♐05'01	0°23'46
max. Earth dist.	-3485 Jan 01 j 02:30	15°♐02'13	10.48946 AU
morning rise	-3485 Jan 18 j 16:04	17°♐13'18	
retrograde	-3485 May 04 j 18:20	25°♐06'15	
opposition	-3485 Jul 13 j 19:03	21°♐39'49	-0°49'05
min. Earth dist.	-3485 Jul 14 j 01:11	21°♐38'38	8.41696 AU
direct	-3485 Sep 19 j 11:11	18°♐18'10	
evening set	-3485 Dec 28 j 13:08	25°♐52'25	
conjunction	-3484 Jan 14 j 16:56	28°♐02'17	-0°54'40
minimum elong	-3484 Jan 14 j 16:54	28°♐02'16	0°54'48
max. Earth dist.	-3484 Jan 14 j 11:14	28°♐00'28	10.34715 AU
	-3484 Jan 30 j 05:28	0°♑	
morning rise	-3484 Feb 01 j 01:38	0°♑13'46	
retrograde	-3484 May 17 j 23:11	8°♑18'42	
opposition	-3484 Jul 26 j 11:57	4°♑50'45	-1°26'47
min. Earth dist.	-3484 Jul 26 j 14:54	4°♑50'10	8.27807 AU
direct	-3484 Oct 01 j 14:04	1°♑27'56	
evening set	-3483 Jan 10 j 03:55	9°♑12'33	
conjunction	-3483 Jan 27 j 11:26	11°♑25'27	-1°23'40
minimum elong	-3483 Jan 27 j 11:23	11°♑25'26	1°23'48
max. Earth dist.	-3483 Jan 27 j 08:40	11°♑24'33	10.21263 AU
morning rise	-3483 Feb 14 j 00:09	13°♑40'03	
retrograde	-3483 Jun 01 j 13:20	21°♑56'10	
opposition	-3483 Aug 09 j 12:27	18°♑26'54	-2°00'56
min. Earth dist.	-3483 Aug 09 j 12:32	18°♑26'53	8.15093 AU
direct	-3483 Oct 15 j 01:29	15°♑02'49	
evening set	-3482 Jan 24 j 07:38	22°♑57'54	
conjunction	-3482 Feb 10 j 18:51	25°♑13'39	-1°48'42
minimum elong	-3482 Feb 10 j 18:47	25°♑13'38	1°48'49
max. Earth dist.	-3482 Feb 10 j 19:20	25°♑13'49	10.09338 AU
morning rise	-3482 Feb 28 j 11:18	27°♑31'07	
	-3482 Mar 20 j 14:23	0°♒	
retrograde	-3482 Jun 16 j 10:31	5°♒56'44	
opposition	-3482 Aug 23 j 19:31	2°♒26'23	-2°29'00
min. Earth dist.	-3482 Aug 23 j 17:09	2°♒26'53	8.04266 AU
	-3482 Sep 26 j 03:08	30°℞♑	
direct	-3482 Oct 28 j 22:37	29°♑00'57	
	-3482 Nov 30 j 08:29	0°♒	
evening set	-3481 Feb 07 j 23:38	7°♒05'58	
conjunction	-3481 Feb 25 j 14:38	9°♒24'16	-2°07'49
minimum elong	-3481 Feb 25 j 14:35	9°♒24'15	2°07'55
max. Earth dist.	-3481 Feb 25 j 18:36	9°♒25'34	9.99613 AU
morning rise	-3481 Mar 15 j 10:30	11°♒44'08	
	-3481 Apr 11 j 01:17	15°♒	
retrograde	-3481 Jul 01 j 11:54	20°♒16'38	
opposition	-3481 Sep 07 j 07:32	16°♒45'34	-2°48'34
min. Earth dist.	-3481 Sep 07 j 02:54	16°♒46'32	7.95918 AU
	-3481 Sep 29 j 16:42	15°℞♒	
direct	-3481 Nov 12 j 05:47	13°♒18'48	
	-3481 Dec 24 j 20:45	15°♒	
evening set	-3480 Feb 23 j 02:05	21°♒32'28	
conjunction	-3480 Mar 11 j 20:50	23°♒52'55	-2°19'19
minimum elong	-3480 Mar 11 j 20:49	23°♒52'54	2°19'24
max. Earth dist.	-3480 Mar 12 j 04:10	23°♒55'20	9.92633 AU
morning rise	-3480 Mar 29 j 19:40	26°♒14'39	
	-3480 Apr 29 j 13:30	0°♓	
retrograde	-3480 Jul 15 j 14:33	4°♓50'45	
opposition	-3480 Sep 20 j 22:53	1°♓19'25	-2°57'42
min. Earth dist.	-3480 Sep 20 j 15:56	1°♓20'52	7.90541 AU
	-3480 Oct 07 j 06:20	30°℞♒	
direct	-3480 Nov 25 j 19:45	27°♒51'30	
	-3479 Jan 13 j 02:47	0°♓	
evening set	-3479 Mar 09 j 12:13	6°♓11'45	
conjunction	-3479 Mar 27 j 10:28	8°♓33'43	-2°22'00
minimum elong	-3479 Mar 27 j 10:28	8°♓33'43	2°22'04
max. Earth dist.	-3479 Mar 27 j 21:22	8°♓37'21	9.88902 AU
morning rise	-3479 Apr 14 j 11:39	10°♓56'37	
retrograde	-3479 Jul 30 j 16:50	19°♓32'29	
opposition	-3479 Oct 05 j 15:22	16°♓01'19	-2°55'18
min. Earth dist.	-3479 Oct 05 j 05:52	16°♓03'18	7.88608 AU
direct	-3479 Dec 10 j 14:27	12°♓32'28	
evening set	-3478 Mar 25 j 02:40	20°♓56'23	
conjunction	-3478 Apr 12 j 03:57	23°♓19'09	-2°15'28
minimum elong	-3478 Apr 12 j 03:59	23°♓19'10	2°15'30
max. Earth dist.	-3478 Apr 12 j 18:06	23°♓23'51	9.88825 AU
morning rise	-3478 Apr 30 j 06:49	25°♓42'24	
	-3478 Jun 04 j 21:30	0°♈	
retrograde	-3478 Aug 14 j 15:36	4°♈13'55	
opposition	-3478 Oct 20 j 06:31	0°♈43'19	-2°41'24
min. Earth dist.	-3478 Oct 19 j 18:56	0°♈45'44	7.90373 AU
	-3478 Oct 28 j 23:03	30°℞♓	
direct	-3478 Dec 25 j 11:40	27°♓13'47	
	-3477 Feb 19 j 10:23	0°♈	
evening set	-3477 Apr 09 j 17:27	5°♈38'07	
conjunction	-3477 Apr 27 j 20:55	8°♈00'47	-2°00'10
minimum elong	-3477 Apr 27 j 20:59	8°♈00'49	2°00'10
max. Earth dist.	-3477 Apr 28 j 13:12	8°♈06'10	9.92482 AU
morning rise	-3477 May 16 j 00:31	10°♈23'29	
retrograde	-3477 Aug 29 j 08:12	18°♈46'58	
opposition	-3477 Nov 03 j 18:07	15°♈17'20	-2°17'11
min. Earth dist.	-3477 Nov 03 j 05:31	15°♈19'58	7.95752 AU
direct	-3476 Jan 09 j 09:14	11°♈47'25	
evening set	-3476 Apr 24 j 04:37	20°♈08'58	
conjunction	-3476 May 12 j 09:00	22°♈30'37	-1°37'25
minimum elong	-3476 May 12 j 09:04	22°♈30'38	1°37'23
max. Earth dist.	-3476 May 13 j 02:07	22°♈36'12	9.99620 AU
morning rise	-3476 May 30 j 12:06	24°♈51'49	
	-3476 Jul 14 j 06:09	0°♉	
retrograde	-3476 Sep 11 j 15:39	3°♉04'31	
	-3476 Nov 12 j 05:09	30°℞♈	
min. Earth dist.	-3476 Nov 16 j 11:29	29°♈38'50	8.04376 AU
opposition	-3476 Nov 17 j 00:04	29°♈36'14	-1°44'48
direct	-3475 Jan 23 j 05:17	26°♈06'16	
	-3475 Apr 01 j 20:52	0°♉	
evening set	-3475 May 09 j 08:40	4°♉22'14	
conjunction	-3475 May 27 j 12:32	6°♉42'00	-1°09'08
minimum elong	-3475 May 27 j 12:36	6°♉42'01	1°09'04
max. Earth dist.	-3475 May 28 j 05:08	6°♉47'22	10.09734 AU
morning rise	-3475 Jun 14 j 13:53	9°♉00'55	
	-3475 Aug 08 j 22:03	15°♉	
retrograde	-3475 Sep 25 j 11:35	17°♉01'12	
	-3475 Nov 13 j 00:34	15°℞♉	
opposition	-3475 Nov 30 j 22:56	13°♉34'30	-1°06'56

Attention, astronomical year style is used: The year -3475 in astronomical counting style is the year 3476 BCE in historical counting style.

min. Earth dist.	-3475 Nov 30 j 11:17	13°♉36'53	8.15659 AU
direct	-3474 Feb 06 j 20:14	10°♉04'49	
	-3474 Apr 26 j 21:52	15°♉	
evening set	-3474 May 24 j 03:01	18°♉13'08	
conjunction	-3474 Jun 11 j 04:55	20°♉30'18	-0°37'28
minimum elong	-3474 Jun 11 j 04:57	20°♉30'19	0°37'22
max. Earth dist.	-3474 Jun 11 j 19:38	20°♉34'59	10.22133 AU
morning rise	-3474 Jun 29 j 03:19	22°♉46'18	
	-3474 Sep 14 j 05:27	0°♊	
retrograde	-3474 Oct 08 j 20:54	0°♊33'37	
	-3474 Nov 02 j 16:13	30°℞♉	
opposition	-3474 Dec 14 j 13:54	27°♉08'38	-0°26'27
min. Earth dist.	-3474 Dec 14 j 03:28	27°♉10'45	8.28858 AU
direct	-3473 Feb 21 j 04:11	23°♉39'34	
	-3473 May 24 j 16:30	0°♊	
evening set	-3473 Jun 07 j 10:12	1°♊38'56	
conjunction	-3473 Jun 25 j 08:46	3°♊53'00	-0°04'39
minimum elong	-3473 Jun 25 j 08:45	3°♊52'59	0°04'31
behind sun begin	-3473 Jun 25 j 01:38	3°♊50'47	
behind sun end	-3473 Jun 25 j 15:53	3°♊55'12	
max. Earth dist.	-3473 Jun 25 j 20:56	3°♊56'48	10.36021 AU
morning rise	-3473 Jul 13 j 03:01	6°♊05'39	
asc. node	-3473 Aug 17 j 07:03	10°♊04'28	
retrograde	-3473 Oct 21 j 20:12	13°♊40'23	
opposition	-3473 Dec 27 j 20:36	10°♊17'08	0°14'06
min. Earth dist.	-3473 Dec 27 j 11:23	10°♊18'58	8.43176 AU
direct	-3472 Mar 06 j 03:34	6°♊48'57	
evening set	-3472 Jun 20 j 05:13	14°♊38'43	
conjunction	-3472 Jul 07 j 23:26	16°♊49'24	0°27'37
minimum elong	-3472 Jul 07 j 23:25	16°♊49'24	0°27'45
max. Earth dist.	-3472 Jul 08 j 09:19	16°♊52'27	10.50608 AU
morning rise	-3472 Jul 25 j 12:43	18°♊58'33	
retrograde	-3472 Nov 02 j 09:38	26°♊21'44	
opposition	-3471 Jan 08 j 19:28	23°♊00'10	0°52'33
min. Earth dist.	-3471 Jan 08 j 11:47	23°♊01'41	8.57841 AU
direct	-3471 Mar 19 j 18:29	19°♊33'05	
evening set	-3471 Jul 03 j 11:59	27°♊13'13	
conjunction	-3471 Jul 21 j 01:12	29°♊20'29	0°57'33
minimum elong	-3471 Jul 21 j 01:10	29°♊20'28	0°57'41
max. Earth dist.	-3471 Jul 21 j 08:46	29°♊22'47	10.65143 AU
	-3471 Jul 26 j 11:03	0°♋	
morning rise	-3471 Aug 07 j 09:04	1°♋26'09	
retrograde	-3471 Nov 14 j 15:53	8°♋39'14	
opposition	-3470 Jan 21 j 11:01	5°♋19'14	1°27'16
min. Earth dist.	-3470 Jan 21 j 05:48	5°♋20'14	8.72132 AU
direct	-3470 Apr 01 j 23:14	1°♋53'22	
evening set	-3470 Jul 16 j 07:24	9°♋24'21	
conjunction	-3470 Aug 02 j 15:14	11°♋28'20	1°24'03
minimum elong	-3470 Aug 02 j 15:11	11°♋28'19	1°24'10
max. Earth dist.	-3470 Aug 02 j 19:46	11°♋29'41	10.78951 AU
morning rise	-3470 Aug 19 j 17:40	13°♋30'45	
retrograde	-3470 Nov 26 j 14:41	20°♋35'19	
opposition	-3469 Feb 02 j 20:06	17°♋16'45	1°57'03
min. Earth dist.	-3469 Feb 02 j 18:06	17°♋17'08	8.85419 AU
direct	-3469 Apr 14 j 18:40	13°♋52'12	
evening set	-3469 Jul 28 j 16:18	21°♋14'47	
conjunction	-3469 Aug 14 j 18:41	23°♋15'46	1°46'17
minimum elong	-3469 Aug 14 j 18:37	23°♋15'45	1°46'24
max. Earth dist.	-3469 Aug 14 j 19:11	23°♋15'55	10.91465 AU
morning rise	-3469 Aug 31 j 16:09	25°♋15'19	
	-3469 Oct 17 j 06:16	0°♌	
retrograde	-3469 Dec 08 j 05:53	2°♌13'12	
	-3468 Jan 31 j 12:34	30°℞♋	
opposition	-3468 Feb 14 j 23:55	28°♋55'48	2°21'09
min. Earth dist.	-3468 Feb 15 j 00:32	28°♋55'41	8.97169 AU
direct	-3468 Apr 26 j 08:18	25°♋32'34	
	-3468 Jul 14 j 01:04	0°♌	
evening set	-3468 Aug 08 j 15:35	2°♌47'42	
conjunction	-3468 Aug 25 j 13:03	4°♌46'06	2°03'41
minimum elong	-3468 Aug 25 j 13:00	4°♌46'05	2°03'47
max. Earth dist.	-3468 Aug 25 j 10:16	4°♌45'17	11.02212 AU
morning rise	-3468 Sep 11 j 06:08	6°♌43'14	
retrograde	-3468 Dec 18 j 19:24	13°♌36'13	
opposition	-3467 Feb 25 j 23:24	10°♌19'43	2°39'06
min. Earth dist.	-3467 Feb 26 j 01:53	10°♌19'15	9.06935 AU
direct	-3467 May 08 j 14:40	6°♌57'47	
evening set	-3467 Aug 20 j 07:04	14°♌06'32	
	-3467 Aug 28 j 00:41	15°♌	
conjunction	-3467 Sep 06 j 00:24	16°♌02'53	2°15'56
minimum elong	-3467 Sep 06 j 00:22	16°♌02'52	2°16'01
max. Earth dist.	-3467 Sep 05 j 19:35	16°♌01'28	11.10798 AU
morning rise	-3467 Sep 22 j 13:43	17°♌58'07	
retrograde	-3467 Dec 30 j 05:43	24°♌47'55	
opposition	-3466 Mar 09 j 19:42	21°♌32'01	2°50'38
min. Earth dist.	-3466 Mar 10 j 00:28	21°♌31'08	9.14364 AU
direct	-3466 May 20 j 13:34	18°♌11'17	
evening set	-3466 Aug 31 j 16:18	25°♌14'52	
conjunction	-3466 Sep 17 j 06:13	27°♌09'40	2°22'52
minimum elong	-3466 Sep 17 j 06:12	27°♌09'40	2°22'56
max. Earth dist.	-3466 Sep 16 j 23:00	27°♌07'34	11.16926 AU
morning rise	-3466 Oct 03 j 16:44	29°♌03'35	
	-3466 Oct 12 j 01:52	0°♍	
retrograde	-3465 Jan 10 j 15:58	5°♍51'55	
opposition	-3465 Mar 21 j 14:29	2°♍36'20	2°55'42
min. Earth dist.	-3465 Mar 21 j 22:04	2°♍34'56	9.19217 AU
	-3465 May 01 j 13:06	30°℞♌	
direct	-3465 Jun 01 j 08:56	29°♌16'37	
	-3465 Jul 01 j 18:32	0°♍	
evening set	-3465 Sep 11 j 20:45	6°♍16'14	
conjunction	-3465 Sep 28 j 08:02	8°♍10'04	2°24'25
minimum elong	-3465 Sep 28 j 08:02	8°♍10'04	2°24'29
max. Earth dist.	-3465 Sep 27 j 21:48	8°♍07'06	11.20410 AU
morning rise	-3465 Oct 14 j 16:56	10°♍03'15	
retrograde	-3464 Jan 22 j 00:13	16°♍51'48	
opposition	-3464 Apr 01 j 08:39	13°♍36'11	2°54'18
min. Earth dist.	-3464 Apr 01 j 18:35	13°♍34'22	9.21340 AU
direct	-3464 Jun 12 j 00:21	10°♍17'17	
evening set	-3464 Sep 21 j 22:13	17°♍14'17	
conjunction	-3464 Oct 08 j 07:59	19°♍07'42	2°20'40
minimum elong	-3464 Oct 08 j 08:00	19°♍07'42	2°20'42
max. Earth dist.	-3464 Oct 07 j 19:44	19°♍04'09	11.21140 AU
morning rise	-3464 Oct 24 j 16:16	21°♍00'44	
retrograde	-3463 Feb 01 j 11:59	27°♍51'10	
opposition	-3463 Apr 13 j 03:03	24°♍35'09	2°46'36
min. Earth dist.	-3463 Apr 13 j 14:02	24°♍33'09	9.20652 AU
direct	-3463 Jun 23 j 15:35	21°♍16'51	
evening set	-3463 Oct 02 j 22:19	28°♍12'33	
	-3463 Oct 18 j 10:28	0°♎	
conjunction	-3463 Oct 19 j 07:41	0°♎06'11	2°11'45
minimum elong	-3463 Oct 19 j 07:43	0°♎06'11	2°11'45
max. Earth dist.	-3463 Oct 18 j 18:43	0°♎02'24	11.19064 AU
morning rise	-3463 Nov 04 j 16:12	1°♎59'39	

Attention, astronomical year style is used: The year -3462 in astronomical counting style is the year 3463 BCE in historical counting style.

retrograde	-3462 Feb 13 j 04:04	8°♎53'32	
opposition	-3462 Apr 24 j 23:16	5°♎36'51	2°32'46
min. Earth dist.	-3462 Apr 25 j 11:08	5°♎34'41	9.17137 AU
direct	-3462 Jul 05 j 04:26	2°♎18'55	
evening set	-3462 Oct 13 j 22:57	9°♎14'43	
conjunction	-3462 Oct 30 j 08:40	11°♎09'04	1°57'53
minimum elong	-3462 Oct 30 j 08:43	11°♎09'05	1°57'51
max. Earth dist.	-3462 Oct 29 j 18:22	11°♎04'53	11.14201 AU
morning rise	-3462 Nov 15 j 18:28	13°♎03'33	
retrograde	-3461 Feb 24 j 23:12	20°♎02'33	
opposition	-3461 May 06 j 22:30	16°♎44'53	2°13'07
min. Earth dist.	-3461 May 07 j 11:42	16°♎42'28	9.10860 AU
direct	-3461 Jul 16 j 17:38	13°♎27'01	
evening set	-3461 Oct 25 j 02:04	20°♎24'30	
conjunction	-3461 Nov 10 j 12:56	22°♎20'08	1°39'23
minimum elong	-3461 Nov 10 j 12:59	22°♎20'08	1°39'21
max. Earth dist.	-3461 Nov 09 j 20:49	22°♎15'22	11.06656 AU
morning rise	-3461 Nov 27 j 01:04	24°♎16'11	
	-3460 Jan 26 j 11:11	0°♏	
retrograde	-3460 Mar 08 j 01:12	1°♏21'57	
	-3460 Apr 19 j 18:16	30°℞♎	
opposition	-3460 May 18 j 01:41	28°♎03'02	1°48'03
min. Earth dist.	-3460 May 18 j 15:58	28°♎00'24	9.01978 AU
direct	-3460 Jul 27 j 09:57	24°♎44'59	
	-3460 Oct 19 j 19:33	0°♏	
evening set	-3460 Nov 04 j 09:24	1°♏45'46	
conjunction	-3460 Nov 20 j 22:22	3°♏43'12	1°16'42
minimum elong	-3460 Nov 20 j 22:25	3°♏43'13	1°16'38
max. Earth dist.	-3460 Nov 20 j 06:15	3°♏38'24	10.96638 AU
morning rise	-3460 Dec 07 j 13:27	5°♏41'21	
retrograde	-3459 Mar 20 j 09:50	12°♏55'32	
opposition	-3459 May 30 j 10:00	9°♏35'08	1°18'06
min. Earth dist.	-3459 May 30 j 23:46	9°♏32'34	8.90793 AU
direct	-3459 Aug 08 j 05:26	6°♏16'39	
evening set	-3459 Nov 15 j 23:05	13°♏22'21	
	-3459 Nov 29 j 13:41	15°♏	
conjunction	-3459 Dec 02 j 14:47	15°♏22'04	0°50'25
minimum elong	-3459 Dec 02 j 14:49	15°♏22'04	0°50'20
max. Earth dist.	-3459 Dec 01 j 23:52	15°♏17'33	10.84525 AU
morning rise	-3459 Dec 19 j 09:16	17°♏22'43	
retrograde	-3458 Apr 02 j 04:51	24°♏46'45	
opposition	-3458 Jun 12 j 00:31	21°♏24'41	0°44'05
min. Earth dist.	-3458 Jun 12 j 12:44	21°♏22'22	8.77773 AU
direct	-3458 Aug 20 j 06:35	18°♏05'31	
evening set	-3458 Nov 27 j 21:03	25°♏17'40	
conjunction	-3458 Dec 14 j 15:52	27°♏20'01	0°21'20
minimum elong	-3458 Dec 14 j 15:53	27°♏20'02	0°21'14
max. Earth dist.	-3458 Dec 14 j 02:02	27°♏15'48	10.70843 AU
morning rise	-3458 Dec 31 j 14:16	29°♏23'35	
	-3457 Jan 05 j 16:49	0°♐	
retrograde	-3457 Apr 15 j 09:27	6°♐58'39	
opposition	-3457 Jun 24 j 22:10	3°♐34'46	0°07'02
min. Earth dist.	-3457 Jun 25 j 08:43	3°♐32'45	8.63497 AU
direct	-3457 Sep 01 j 12:07	0°♐14'39	
desc. node	-3457 Sep 02 j 09:40	0°♐14'42	
evening set	-3457 Dec 10 j 05:02	7°♐34'46	
conjunction	-3457 Dec 27 j 03:15	9°♐40'02	-0°09'36
minimum elong	-3457 Dec 27 j 03:15	9°♐40'02	0°09'43
behind sun begin	-3457 Dec 26 j 21:24	9°♐38'14	
behind sun end	-3457 Dec 27 j 09:05	9°♐41'49	
max. Earth dist.	-3457 Dec 26 j 14:40	9°♐36'08	10.56193 AU

morning rise	-3456 Jan 13 j 05:57	11°♐46'45	
retrograde	-3456 Apr 27 j 22:38	19°♐33'41	
opposition	-3456 Jul 07 j 03:28	16°♐07'59	-0°31'38
min. Earth dist.	-3456 Jul 07 j 12:24	16°♐06'15	8.48603 AU
direct	-3456 Sep 13 j 02:03	12°♐46'41	
evening set	-3456 Dec 22 j 00:38	20°♐16'06	
conjunction	-3455 Jan 08 j 02:30	22°♐24'28	-0°40'51
minimum elong	-3455 Jan 08 j 02:29	22°♐24'27	0°40'59
max. Earth dist.	-3455 Jan 07 j 16:28	22°♐21'18	10.41237 AU
morning rise	-3455 Jan 25 j 09:26	24°♐34'26	
	-3455 Mar 16 j 13:53	0°♑	
retrograde	-3455 May 11 j 21:29	2°♑33'38	
	-3455 Jul 09 j 03:38	30°℞♐	
opposition	-3455 Jul 20 j 16:30	29°♐06'09	-1°10'05
min. Earth dist.	-3455 Jul 20 j 23:06	29°♐04'51	8.33800 AU
direct	-3455 Sep 26 j 01:40	25°♐43'32	
	-3455 Dec 06 j 14:29	0°♑	
evening set	-3454 Jan 04 j 08:52	3°♑23'14	
conjunction	-3454 Jan 21 j 14:36	5°♑34'46	-1°10'56
minimum elong	-3454 Jan 21 j 14:33	5°♑34'45	1°11'05
max. Earth dist.	-3454 Jan 21 j 08:28	5°♑32'48	10.26718 AU
morning rise	-3454 Feb 08 j 01:33	7°♑47'59	
retrograde	-3454 May 26 j 06:51	15°♑59'07	
opposition	-3454 Aug 03 j 13:26	12°♑30'02	-1°46'07
min. Earth dist.	-3454 Aug 03 j 16:47	12°♑29'21	8.19854 AU
direct	-3454 Oct 09 j 09:23	9°♑06'01	
evening set	-3453 Jan 18 j 06:16	16°♑56'29	
conjunction	-3453 Feb 04 j 15:56	19°♑11'04	-1°37'59
minimum elong	-3453 Feb 04 j 15:53	19°♑11'03	1°38'07
max. Earth dist.	-3453 Feb 04 j 14:16	19°♑10'32	10.13417 AU
morning rise	-3453 Feb 22 j 06:41	21°♑27'22	
retrograde	-3453 Jun 10 j 00:43	29°♑49'16	
opposition	-3453 Aug 17 j 17:32	26°♑18'49	-2°17'16
min. Earth dist.	-3453 Aug 17 j 17:04	26°♑18'54	8.07534 AU
direct	-3453 Oct 23 j 02:22	22°♑53'24	
	-3452 Jan 25 j 13:37	0°♒	
evening set	-3452 Feb 01 j 16:51	0°♒54'28	
conjunction	-3452 Feb 19 j 06:21	3°♒11'52	-2°00'02
minimum elong	-3452 Feb 19 j 06:18	3°♒11'51	2°00'08
max. Earth dist.	-3452 Feb 19 j 08:47	3°♒12'40	10.02113 AU
morning rise	-3452 Mar 08 j 00:37	5°♒30'52	
retrograde	-3452 Jun 24 j 00:47	14°♒01'18	
opposition	-3452 Aug 31 j 03:31	10°♒29'53	-2°41'00
min. Earth dist.	-3452 Aug 30 j 23:40	10°♒30'41	7.97583 AU
direct	-3452 Nov 05 j 04:31	7°♒03'06	
	-3451 Feb 13 j 20:26	15°♒	
evening set	-3451 Feb 15 j 15:03	15°♒13'47	
conjunction	-3451 Mar 05 j 08:14	17°♒33'35	-2°15'10
minimum elong	-3451 Mar 05 j 08:12	17°♒33'34	2°15'16
max. Earth dist.	-3451 Mar 05 j 14:36	17°♒35'41	9.93531 AU
morning rise	-3451 Mar 23 j 05:41	19°♒54'47	
retrograde	-3451 Jul 09 j 04:18	28°♒30'37	
opposition	-3451 Sep 14 j 18:02	24°♒58'40	-2°55'05
min. Earth dist.	-3451 Sep 14 j 11:16	25°♒00'04	7.90653 AU
direct	-3451 Nov 19 j 14:21	21°♒30'38	
evening set	-3450 Mar 02 j 22:15	29°♒48'59	
	-3450 Mar 04 j 08:01	0°♓	
conjunction	-3450 Mar 20 j 18:59	2°♓10'37	-2°21'58
minimum elong	-3450 Mar 20 j 18:59	2°♓10'37	2°22'02
max. Earth dist.	-3450 Mar 21 j 04:58	2°♓13'56	9.88268 AU
morning rise	-3450 Apr 07 j 19:14	4°♓33'21	

Attention, astronomical year style is used: The year -3450 in astronomical counting style is the year 3451 BCE in historical counting style.

retrograde	-3450 Jul 24 j 08:32	13°♓10'43	
opposition	-3450 Sep 29 j 10:46	9°♓38'44	-2°57'58
min. Earth dist.	-3450 Sep 29 j 01:45	9°♓40'37	7.87231 AU
direct	-3450 Dec 04 j 07:03	6°♓09'40	
evening set	-3449 Mar 18 j 11:35	14°♓33'01	
conjunction	-3449 Apr 05 j 11:32	16°♓55'46	-2°19'35
minimum elong	-3449 Apr 05 j 11:34	16°♓55'46	2°19'37
max. Earth dist.	-3449 Apr 06 j 00:26	17°♓00'03	9.86710 AU
morning rise	-3449 Apr 23 j 13:56	19°♓19'13	
retrograde	-3449 Aug 08 j 09:52	27°♓53'54	
opposition	-3449 Oct 14 j 03:07	24°♓22'24	-2°49'09
min. Earth dist.	-3449 Oct 13 j 16:28	24°♓24'39	7.87569 AU
direct	-3449 Dec 19 j 04:17	20°♓52'36	
evening set	-3448 Apr 02 j 03:00	29°♓17'48	
	-3448 Apr 07 j 12:19	0°♈	
conjunction	-3448 Apr 20 j 05:31	1°♈40'48	-2°08'06
minimum elong	-3448 Apr 20 j 05:34	1°♈40'49	2°08'06
max. Earth dist.	-3448 Apr 20 j 20:41	1°♈45'50	9.88981 AU
morning rise	-3448 May 08 j 09:09	4°♈04'05	
retrograde	-3448 Aug 22 j 05:23	12°♈32'12	
opposition	-3448 Oct 27 j 16:56	9°♈01'40	-2°29'18
min. Earth dist.	-3448 Oct 27 j 04:48	9°♈04'12	7.91659 AU
direct	-3447 Jan 02 j 03:26	5°♈31'29	
evening set	-3447 Apr 17 j 16:16	13°♈55'13	
conjunction	-3447 May 05 j 20:21	16°♈17'34	-1°48'27
minimum elong	-3447 May 05 j 20:25	16°♈17'36	1°48'26
max. Earth dist.	-3447 May 06 j 13:12	16°♈23'07	9.94929 AU
morning rise	-3447 May 24 j 00:05	18°♈39'45	
retrograde	-3447 Sep 05 j 16:26	26°♈58'09	
opposition	-3447 Nov 11 j 01:56	23°♈28'58	-2°00'11
min. Earth dist.	-3447 Nov 10 j 12:43	23°♈31'43	7.99227 AU
direct	-3446 Jan 17 j 01:31	19°♈58'49	
evening set	-3446 May 03 j 00:10	28°♈18'05	
	-3446 May 16 j 04:46	0°♉	
conjunction	-3446 May 21 j 04:32	0°♉38'55	-1°22'20
minimum elong	-3446 May 21 j 04:36	0°♉38'56	1°22'18
max. Earth dist.	-3446 May 21 j 22:03	0°♉44'37	10.04140 AU
morning rise	-3446 Jun 08 j 07:04	2°♉59'07	
retrograde	-3446 Sep 19 j 17:25	11°♉05'38	
opposition	-3446 Nov 25 j 04:20	7°♉38'08	-1°24'21
min. Earth dist.	-3446 Nov 24 j 14:49	7°♉40'56	8.09763 AU
direct	-3445 Jan 31 j 18:29	4°♉08'21	
evening set	-3445 May 17 j 23:43	12°♉20'46	
conjunction	-3445 Jun 05 j 02:52	14°♉39'18	-0°51'51
minimum elong	-3445 Jun 05 j 02:54	14°♉39'18	0°51'46
max. Earth dist.	-3445 Jun 05 j 20:00	14°♉44'47	10.15982 AU
	-3445 Jun 07 j 19:26	15°♉	
morning rise	-3445 Jun 23 j 02:48	16°♉56'46	
retrograde	-3445 Oct 03 j 09:27	24°♉50'25	
opposition	-3445 Dec 08 j 23:21	21°♉24'46	-0°44'37
min. Earth dist.	-3445 Dec 08 j 10:32	21°♉27'23	8.22577 AU
direct	-3444 Feb 15 j 04:54	17°♉55'39	
evening set	-3444 May 31 j 12:38	25°♉59'31	
conjunction	-3444 Jun 18 j 13:00	28°♉15'07	-0°19'13
minimum elong	-3444 Jun 18 j 13:01	28°♉15'07	0°19'07
max. Earth dist.	-3444 Jun 19 j 04:46	28°♉20'05	10.29691 AU
	-3444 Jul 02 j 10:29	0°♊	
morning rise	-3444 Jul 06 j 09:07	0°♊29'21	
retrograde	-3444 Oct 15 j 15:07	8°♊10'04	
opposition	-3444 Dec 21 j 10:22	4°♊46'20	-0°03'43
min. Earth dist.	-3444 Dec 20 j 23:26	4°♊48'31	8.36889 AU

asc. node	-3443 Jan 25 j 01:13	2°♊17'32	
direct	-3443 Feb 28 j 07:44	1°♊18'08	
evening set	-3443 Jun 14 j 13:48	9°♊12'30	
conjunction	-3443 Jul 02 j 10:08	11°♊24'46	0°13'36
minimum elong	-3443 Jul 02 j 10:07	11°♊24'45	0°13'43
behind sun begin	-3443 Jul 02 j 06:21	11°♊23'36	
behind sun end	-3443 Jul 02 j 13:53	11°♊25'55	
max. Earth dist.	-3443 Jul 02 j 22:59	11°♊28'45	10.44454 AU
morning rise	-3443 Jul 20 j 01:37	13°♊35'30	
retrograde	-3443 Oct 28 j 09:07	21°♊03'56	
opposition	-3442 Jan 03 j 13:07	17°♊42'05	0°35'57
min. Earth dist.	-3442 Jan 03 j 04:39	17°♊43'45	8.51877 AU
direct	-3442 Mar 14 j 03:09	14°♊14'57	
evening set	-3442 Jun 28 j 02:45	21°♊59'33	
conjunction	-3442 Jul 15 j 18:11	24°♊08'19	0°44'42
minimum elong	-3442 Jul 15 j 18:09	24°♊08'18	0°44'50
max. Earth dist.	-3442 Jul 16 j 03:07	24°♊11'03	10.59446 AU
morning rise	-3442 Aug 02 j 04:32	26°♊15'31	
	-3442 Sep 04 j 22:55	0°♋	
retrograde	-3442 Nov 09 j 17:43	3°♋32'58	
opposition	-3441 Jan 16 j 08:15	0°♋12'48	1°12'30
min. Earth dist.	-3441 Jan 16 j 02:13	0°♋13'58	8.66711 AU
	-3441 Jan 19 j 02:05	30°℞♊	
direct	-3441 Mar 27 j 14:00	26°♊46'52	
	-3441 May 31 j 09:38	0°♋	
evening set	-3441 Jul 11 j 03:40	4°♋21'55	
conjunction	-3441 Jul 28 j 13:45	6°♋27'16	1°12'51
minimum elong	-3441 Jul 28 j 13:42	6°♋27'15	1°12'59
max. Earth dist.	-3441 Jul 28 j 18:49	6°♋28'48	10.73861 AU
morning rise	-3441 Aug 14 j 18:42	8°♋31'03	
retrograde	-3441 Nov 21 j 19:32	15°♋39'11	
opposition	-3440 Jan 28 j 20:23	12°♋20'29	1°44'34
min. Earth dist.	-3440 Jan 28 j 16:35	12°♋21'12	8.80616 AU
direct	-3440 Apr 08 j 14:47	8°♋55'50	
evening set	-3440 Jul 22 j 17:23	16°♋22'02	
conjunction	-3440 Aug 08 j 22:11	18°♋24'16	1°37'03
minimum elong	-3440 Aug 08 j 22:08	18°♋24'15	1°37'11
max. Earth dist.	-3440 Aug 09 j 00:14	18°♋24'52	10.86996 AU
morning rise	-3440 Aug 25 j 21:49	20°♋24'59	
retrograde	-3440 Dec 02 j 15:11	27°♋25'39	
opposition	-3439 Feb 09 j 02:41	24°♋08'11	2°11'15
min. Earth dist.	-3439 Feb 09 j 01:50	24°♋08'20	8.92970 AU
direct	-3439 Apr 21 j 07:00	20°♋44'48	
evening set	-3439 Aug 03 j 21:09	28°♋03'09	
conjunction	-3439 Aug 20 j 20:54	0°♌02'39	1°56'38
minimum elong	-3439 Aug 20 j 20:51	0°♌02'38	1°56'44
	-3439 Aug 20 j 11:55	0°♌	
max. Earth dist.	-3439 Aug 20 j 19:43	0°♌02'18	10.98339 AU
morning rise	-3439 Sep 06 j 15:44	2°♌00'46	
retrograde	-3439 Dec 14 j 06:46	8°♌55'48	
opposition	-3438 Feb 21 j 04:19	5°♌39'17	2°31'56
min. Earth dist.	-3438 Feb 21 j 06:57	5°♌38'47	9.03345 AU
direct	-3438 May 03 j 15:24	2°♌17'05	
evening set	-3438 Aug 15 j 16:32	9°♌28'41	
conjunction	-3438 Sep 01 j 11:36	11°♌25'54	2°11'10
minimum elong	-3438 Sep 01 j 11:34	11°♌25'53	2°11'16
max. Earth dist.	-3438 Sep 01 j 06:29	11°♌24'24	11.07544 AU
morning rise	-3438 Sep 18 j 02:28	13°♌21'55	
	-3438 Oct 02 j 17:54	15°♌	
retrograde	-3438 Dec 25 j 16:50	20°♌13'04	
opposition	-3437 Mar 05 j 02:24	16°♌57'09	2°46'19

Attention, astronomical year style is used: The year -3437 in astronomical counting style is the year 3438 BCE in historical counting style.

min. Earth dist.	-3437 Mar 05 j 08:05	16°♌56'06	9.11437 AU
	-3437 Apr 02 j 07:10	15°℞♌	
direct	-3437 May 15 j 18:25	13°♌36'01	
	-3437 Jun 27 j 09:23	15°♌	
evening set	-3437 Aug 27 j 04:47	20°♌41'59	
conjunction	-3437 Sep 12 j 20:00	22°♌37'26	2°20'26
minimum elong	-3437 Sep 12 j 19:58	22°♌37'26	2°20'31
max. Earth dist.	-3437 Sep 12 j 11:38	22°♌35'00	11.14360 AU
morning rise	-3437 Sep 29 j 07:47	24°♌31'55	
	-3437 Nov 26 j 08:53	0°♍	
retrograde	-3436 Jan 06 j 02:55	1°♍20'55	
	-3436 Feb 17 j 02:26	30°℞♌	
opposition	-3436 Mar 15 j 22:05	28°♌05'14	2°54'14
min. Earth dist.	-3436 Mar 16 j 05:30	28°♌03'53	9.17011 AU
direct	-3436 May 26 j 17:31	24°♌45'00	
	-3436 Aug 21 j 08:56	0°♍	
evening set	-3436 Sep 06 j 11:14	1°♍46'29	
conjunction	-3436 Sep 22 j 23:42	3°♍40'46	2°24'21
minimum elong	-3436 Sep 22 j 23:41	3°♍40'46	2°24'24
max. Earth dist.	-3436 Sep 22 j 13:46	3°♍37'53	11.18583 AU
morning rise	-3436 Oct 09 j 09:15	5°♍34'16	
retrograde	-3435 Jan 16 j 12:38	12°♍22'48	
opposition	-3435 Mar 27 j 16:26	9°♍07'02	2°55'40
min. Earth dist.	-3435 Mar 28 j 01:31	9°♍05'22	9.19894 AU
direct	-3435 Jun 07 j 10:22	5°♍47'32	
evening set	-3435 Sep 17 j 13:59	12°♍45'49	
conjunction	-3435 Oct 04 j 00:32	14°♍39'28	2°22'54
minimum elong	-3435 Oct 04 j 00:33	14°♍39'29	2°22'57
max. Earth dist.	-3435 Oct 03 j 12:52	14°♍36'05	11.20084 AU
morning rise	-3435 Oct 20 j 08:54	16°♍32'36	
retrograde	-3434 Jan 27 j 23:22	23°♍22'17	
opposition	-3434 Apr 08 j 10:42	20°♍06'08	2°50'43
min. Earth dist.	-3434 Apr 08 j 22:01	20°♍04'04	9.20011 AU
direct	-3434 Jun 19 j 01:18	16°♍47'10	
evening set	-3434 Sep 28 j 14:39	23°♍43'38	
max. Earth dist.	-3434 Oct 14 j 09:56	25°♍33'06	11.18840 AU
conjunction	-3434 Oct 15 j 00:06	25°♍37'14	2°16'13
minimum elong	-3434 Oct 15 j 00:07	25°♍37'14	2°16'14
morning rise	-3434 Oct 31 j 08:30	27°♍30'34	
	-3434 Nov 23 j 06:55	0°♎	
retrograde	-3433 Feb 08 j 12:01	4°♎23'05	
opposition	-3433 Apr 20 j 06:17	1°♎06'15	2°39'32
min. Earth dist.	-3433 Apr 20 j 19:19	1°♎03'52	9.17380 AU
	-3433 May 05 j 15:51	30°℞♍	
direct	-3433 Jun 30 j 14:34	27°♍47'37	
	-3433 Aug 23 j 03:51	0°♎	
evening set	-3433 Oct 09 j 14:48	4°♎43'39	
max. Earth dist.	-3433 Oct 25 j 09:06	6°♎33'20	11.14902 AU
conjunction	-3433 Oct 26 j 00:14	6°♎37'46	2°04'29
minimum elong	-3433 Oct 26 j 00:16	6°♎37'46	2°04'27
morning rise	-3433 Nov 11 j 09:35	8°♎31'54	
retrograde	-3432 Feb 20 j 04:53	15°♎28'56	
opposition	-3432 May 01 j 04:06	12°♎11'08	2°22'23
min. Earth dist.	-3432 May 01 j 17:29	12°♎08'40	9.12083 AU
direct	-3432 Jul 11 j 05:00	8°♎52'38	
evening set	-3432 Oct 19 j 16:34	15°♎49'44	
conjunction	-3432 Nov 05 j 03:02	17°♎44'55	1°47'57
minimum elong	-3432 Nov 05 j 03:05	17°♎44'56	1°47'54
max. Earth dist.	-3432 Nov 04 j 12:09	17°♎40'32	11.08379 AU
morning rise	-3432 Nov 21 j 14:06	19°♎40'23	
retrograde	-3431 Mar 03 j 05:15	26°♎43'30	
opposition	-3431 May 13 j 05:13	23°♎24'33	1°59'35
min. Earth dist.	-3431 May 13 j 18:14	23°♎22'09	9.04280 AU
direct	-3431 Jul 22 j 20:00	20°♎06'02	
evening set	-3431 Oct 30 j 21:53	27°♎05'42	
conjunction	-3431 Nov 16 j 10:02	29°♎02'28	1°27'00
minimum elong	-3431 Nov 16 j 10:05	29°♎02'29	1°26'57
max. Earth dist.	-3431 Nov 15 j 18:51	28°♎57'58	10.99474 AU
	-3431 Nov 24 j 11:57	0°♏	
morning rise	-3431 Dec 02 j 23:41	0°♏59'49	
retrograde	-3430 Mar 15 j 11:06	8°♏10'35	
opposition	-3430 May 25 j 11:18	4°♏50'18	1°31'39
min. Earth dist.	-3430 May 26 j 00:17	4°♏47'53	8.94228 AU
direct	-3430 Aug 03 j 12:10	1°♏31'31	
evening set	-3430 Nov 11 j 08:33	8°♏35'21	
conjunction	-3430 Nov 27 j 22:57	10°♏34'09	1°02'11
minimum elong	-3430 Nov 27 j 23:00	10°♏34'10	1°02'07
max. Earth dist.	-3430 Nov 27 j 07:34	10°♏29'32	10.88492 AU
morning rise	-3430 Dec 14 j 16:00	12°♏33'49	
	-3429 Jan 05 j 06:39	15°♏	
retrograde	-3429 Mar 28 j 01:15	19°♏53'46	
opposition	-3429 Jun 06 j 23:15	16°♏32'00	0°59'16
min. Earth dist.	-3429 Jun 07 j 11:54	16°♏29'37	8.82290 AU
	-3429 Jun 28 j 04:37	15°℞♏	
direct	-3429 Aug 15 j 11:01	13°♏12'44	
	-3429 Sep 30 j 21:21	15°♏	
evening set	-3429 Nov 23 j 02:41	20°♏22'18	
conjunction	-3429 Dec 09 j 20:02	22°♏23'34	0°34'11
minimum elong	-3429 Dec 09 j 20:04	22°♏23'34	0°34'06
max. Earth dist.	-3429 Dec 09 j 05:50	22°♏19'15	10.75826 AU
morning rise	-3429 Dec 26 j 16:53	24°♏25'57	
	-3428 Feb 19 j 14:34	0°♐	
retrograde	-3428 Apr 09 j 00:31	1°♐56'22	
	-3428 May 29 j 23:42	30°℞♏	
opposition	-3428 Jun 18 j 17:40	28°♏33'00	0°23'20
min. Earth dist.	-3428 Jun 19 j 05:00	28°♏30'50	8.68922 AU
direct	-3428 Aug 26 j 14:40	25°♏13'02	
	-3428 Nov 12 j 15:24	0°♐	
evening set	-3428 Dec 04 j 06:04	2°♐29'53	
conjunction	-3428 Dec 21 j 02:54	4°♐33'56	0°03'59
minimum elong	-3428 Dec 21 j 02:53	4°♐33'56	0°03'53
behind sun begin	-3428 Dec 20 j 19:54	4°♐31'48	
behind sun end	-3428 Dec 21 j 09:51	4°♐36'03	
max. Earth dist.	-3428 Dec 20 j 15:17	4°♐30'22	10.61967 AU
morning rise	-3427 Jan 07 j 03:40	6°♐39'19	
desc. node	-3427 Feb 06 j 18:33	10°♐07'15	
retrograde	-3427 Apr 22 j 09:46	14°♐21'16	
opposition	-3427 Jul 01 j 19:34	10°♐56'14	-0°14'51
min. Earth dist.	-3427 Jul 02 j 04:15	10°♐54'33	8.54675 AU
direct	-3427 Sep 08 j 01:38	7°♐35'26	
evening set	-3427 Dec 16 j 20:27	15°♐00'55	
conjunction	-3426 Jan 02 j 20:49	17°♐07'58	-0°27'23
minimum elong	-3426 Jan 02 j 20:48	17°♐07'58	0°27'30
max. Earth dist.	-3426 Jan 02 j 11:49	17°♐05'09	10.47517 AU
morning rise	-3426 Jan 20 j 01:42	19°♐16'32	
retrograde	-3426 May 06 j 06:13	27°♐10'37	
opposition	-3426 Jul 15 j 05:27	23°♐43'58	-0°53'38
min. Earth dist.	-3426 Jul 15 j 11:15	23°♐42'50	8.40209 AU
direct	-3426 Sep 20 j 20:25	20°♐22'09	
evening set	-3426 Dec 29 j 23:19	27°♐57'24	
	-3425 Jan 15 j 03:33	0°♑	
conjunction	-3425 Jan 16 j 03:20	0°♑07'34	-0°58'12

Attention, astronomical year style is used: The year -3425 in astronomical counting style is the year 3426 BCE in historical counting style.

minimum elong	-3425 Jan 16 j 03:17	0°♑07'33	0°58'20
max. Earth dist.	-3425 Jan 15 j 20:57	0°♑05'32	10.33185 AU
morning rise	-3425 Feb 02 j 12:25	2°♑19'22	
retrograde	-3425 May 20 j 12:53	10°♑25'31	
opposition	-3425 Jul 28 j 23:16	6°♑57'23	-1°30'59
min. Earth dist.	-3425 Jul 29 j 02:23	6°♑56'46	8.26264 AU
direct	-3425 Oct 03 j 22:52	3°♑34'22	
evening set	-3424 Jan 12 j 15:23	11°♑20'08	
conjunction	-3424 Jan 29 j 23:08	13°♑33'21	-1°26'48
minimum elong	-3424 Jan 29 j 23:05	13°♑33'20	1°26'56
max. Earth dist.	-3424 Jan 29 j 19:46	13°♑32'15	10.19729 AU
morning rise	-3424 Feb 16 j 12:17	15°♑48'17	
retrograde	-3424 Jun 03 j 03:09	24°♑05'36	
opposition	-3424 Aug 11 j 00:39	20°♑36'11	-2°04'31
min. Earth dist.	-3424 Aug 11 j 01:13	20°♑36'04	8.13599 AU
direct	-3424 Oct 16 j 12:35	17°♑11'53	
evening set	-3423 Jan 25 j 20:33	25°♑08'16	
conjunction	-3423 Feb 12 j 08:06	27°♑24'20	-1°51'12
minimum elong	-3423 Feb 12 j 08:03	27°♑24'19	1°51'20
max. Earth dist.	-3423 Feb 12 j 08:42	27°♑24'32	10.07907 AU
morning rise	-3423 Mar 02 j 00:53	29°♑42'05	
	-3423 Mar 04 j 09:06	0°♒	
retrograde	-3423 Jun 17 j 23:58	8°♒08'48	
opposition	-3423 Aug 25 j 08:28	4°♒38'21	-2°31'41
min. Earth dist.	-3423 Aug 25 j 06:11	4°♒38'49	8.02946 AU
direct	-3423 Oct 30 j 12:08	1°♒12'44	
evening set	-3422 Feb 09 j 13:52	9°♒18'59	
conjunction	-3422 Feb 27 j 05:16	11°♒37'35	-2°09'29
minimum elong	-3422 Feb 27 j 05:13	11°♒37'34	2°09'36
max. Earth dist.	-3422 Feb 27 j 10:10	11°♒39'12	9.98428 AU
morning rise	-3422 Mar 17 j 01:21	13°♒57'42	
	-3422 Mar 25 j 04:38	15°♒	
retrograde	-3422 Jul 03 j 01:20	22°♒31'02	
opposition	-3422 Sep 08 j 21:14	18°♒59'53	-2°50'05
min. Earth dist.	-3422 Sep 08 j 15:57	19°♒00'58	7.94923 AU
direct	-3422 Nov 13 j 19:33	15°♒32'59	
evening set	-3421 Feb 24 j 17:21	23°♒47'35	
conjunction	-3421 Mar 14 j 12:31	26°♒08'16	-2°19'59
minimum elong	-3421 Mar 14 j 12:30	26°♒08'16	2°20'04
max. Earth dist.	-3421 Mar 14 j 21:15	26°♒11'10	9.91836 AU
morning rise	-3421 Apr 01 j 11:30	28°♒30'11	
	-3421 Apr 13 j 05:06	0°♓	
retrograde	-3421 Jul 18 j 05:15	7°♓06'40	
opposition	-3421 Sep 23 j 13:00	3°♓35'16	-2°57'53
min. Earth dist.	-3421 Sep 23 j 05:06	3°♓36'54	7.89958 AU
direct	-3421 Nov 28 j 09:11	0°♓07'14	
evening set	-3420 Mar 11 j 04:21	8°♓28'04	
conjunction	-3420 Mar 29 j 02:58	10°♓50'13	-2°21'35
minimum elong	-3420 Mar 29 j 02:59	10°♓50'13	2°21'38
max. Earth dist.	-3420 Mar 29 j 14:55	10°♓54'12	9.88513 AU
morning rise	-3420 Apr 16 j 04:16	13°♓13'14	
retrograde	-3420 Aug 01 j 08:39	21°♓49'02	
opposition	-3420 Oct 07 j 05:36	18°♓17'51	-2°54'05
min. Earth dist.	-3420 Oct 06 j 19:26	18°♓19'59	7.88401 AU
direct	-3420 Dec 12 j 04:10	14°♓48'56	
evening set	-3419 Mar 26 j 19:12	23°♓13'12	
conjunction	-3419 Apr 13 j 20:44	25°♓36'03	-2°13'56
minimum elong	-3419 Apr 13 j 20:46	25°♓36'04	2°13'58
max. Earth dist.	-3419 Apr 14 j 11:24	25°♓40'55	9.88792 AU
morning rise	-3419 May 01 j 23:40	27°♓59'21	
	-3419 May 17 j 20:52	0°♈	

retrograde	-3419 Aug 16 j 07:41	6°♈30'29	
opposition	-3419 Oct 21 j 20:50	2°♈59'57	-2°38'51
min. Earth dist.	-3419 Oct 21 j 09:07	3°♈02'25	7.90499 AU
	-3419 Dec 04 j 04:54	30°℞♓	
direct	-3419 Dec 27 j 02:12	29°♓30'23	
	-3418 Jan 18 j 23:35	0°♈	
evening set	-3418 Apr 11 j 09:56	7°♈54'50	
conjunction	-3418 Apr 29 j 13:31	10°♈17'30	-1°57'39
minimum elong	-3418 Apr 29 j 13:35	10°♈17'31	1°57'38
max. Earth dist.	-3418 Apr 30 j 05:48	10°♈22'52	9.92770 AU
morning rise	-3418 May 17 j 17:11	12°♈40'10	
retrograde	-3418 Aug 30 j 23:20	21°♈03'02	
opposition	-3418 Nov 05 j 08:19	17°♈33'33	-2°13'29
min. Earth dist.	-3418 Nov 04 j 20:05	17°♈36'06	7.96182 AU
direct	-3417 Jan 11 j 00:41	14°♈03'39	
evening set	-3417 Apr 26 j 20:56	22°♈25'04	
conjunction	-3417 May 15 j 01:19	24°♈46'39	-1°34'06
minimum elong	-3417 May 15 j 01:23	24°♈46'40	1°34'03
max. Earth dist.	-3417 May 15 j 17:53	24°♈52'03	10.00199 AU
morning rise	-3417 Jun 02 j 04:27	27°♈07'45	
	-3417 Jun 25 j 15:11	0°♉	
retrograde	-3417 Sep 14 j 05:09	5°♉19'38	
opposition	-3417 Nov 19 j 13:58	1°♉51'33	-1°40'15
min. Earth dist.	-3417 Nov 19 j 01:53	1°♉54'04	8.05079 AU
	-3417 Dec 13 j 07:46	30°℞♈	
direct	-3416 Jan 25 j 20:24	28°♈21'39	
	-3416 Mar 09 j 01:08	0°♉	
evening set	-3416 May 11 j 00:36	6°♉37'18	
conjunction	-3416 May 29 j 04:20	8°♉56'56	-1°05'15
minimum elong	-3416 May 29 j 04:23	8°♉56'57	1°05'10
max. Earth dist.	-3416 May 29 j 20:09	9°♉02'02	10.10566 AU
morning rise	-3416 Jun 16 j 05:36	11°♉15'40	
	-3416 Jul 17 j 21:10	15°♉	
retrograde	-3416 Sep 27 j 00:48	19°♉15'03	
opposition	-3416 Dec 02 j 12:30	15°♉48'34	-1°01'52
min. Earth dist.	-3416 Dec 02 j 00:55	15°♉50'57	8.16594 AU
	-3416 Dec 12 j 11:56	15°℞♉	
direct	-3415 Feb 08 j 11:00	12°♉19'00	
	-3415 Apr 06 j 03:47	15°♉	
evening set	-3415 May 25 j 18:12	20°♉26'49	
conjunction	-3415 Jun 12 j 19:51	22°♉43'47	-0°33'17
minimum elong	-3415 Jun 12 j 19:52	22°♉43'47	0°33'12
max. Earth dist.	-3415 Jun 13 j 10:10	22°♉48'20	10.23174 AU
morning rise	-3415 Jun 30 j 17:59	24°♉59'33	
	-3415 Aug 14 j 21:54	0°♊	
retrograde	-3415 Oct 10 j 09:31	2°♊45'56	
	-3415 Dec 08 j 01:34	30°℞♉	
opposition	-3415 Dec 16 j 02:57	29°♉21'10	-0°21'11
min. Earth dist.	-3415 Dec 15 j 15:59	29°♉23'23	8.29981 AU
direct	-3414 Feb 22 j 18:43	25°♉52'16	
	-3414 May 06 j 06:58	0°♊	
evening set	-3414 Jun 09 j 00:32	3°♊50'58	
conjunction	-3414 Jun 26 j 22:47	6°♊04'46	-0°00'22
minimum elong	-3414 Jun 26 j 22:49	6°♊04'47	0°00'15
behind sun begin	-3414 Jun 26 j 15:36	6°♊02'33	
behind sun end	-3414 Jun 27 j 06:01	6°♊07'00	
max. Earth dist.	-3414 Jun 27 j 11:18	6°♊08'40	10.37226 AU
asc. node	-3414 Jul 01 j 00:41	6°♊35'26	
morning rise	-3414 Jul 14 j 16:38	8°♊17'10	
retrograde	-3414 Oct 23 j 07:43	15°♊50'58	
opposition	-3414 Dec 29 j 09:02	12°♊27'56	0°19'14
min. Earth dist.	-3414 Dec 28 j 23:20	12°♊29'52	8.44435 AU

Attention, astronomical year style is used: The year -3413 in astronomical counting style is the year 3414 BCE in historical counting style.

direct	-3413 Mar 08 j 17:52	8°♊59'56		
evening set	-3413 Jun 22 j 18:42	16°♊48'58		
conjunction	-3413 Jul 10 j 12:33	18°♊59'22	0°31'39	
minimum elong	-3413 Jul 10 j 12:32	18°♊59'21	0°31'47	
max. Earth dist.	-3413 Jul 10 j 23:06	19°♊02'36	10.51917 AU	
morning rise	-3413 Jul 28 j 01:14	21°♊08'12		
retrograde	-3413 Nov 04 j 21:50	28°♊30'29		
opposition	-3412 Jan 11 j 07:23	25°♊09'08	0°57'19	
min. Earth dist.	-3412 Jan 10 j 23:53	25°♊10'37	8.59181 AU	
direct	-3412 Mar 21 j 06:50	21°♊42'13		
evening set	-3412 Jul 05 j 00:32	29°♊21'34		
	-3412 Jul 10 j 09:01	0°♋		
conjunction	-3412 Jul 22 j 13:12	1°♋28'31	1°01'12	
minimum elong	-3412 Jul 22 j 13:10	1°♋28'30	1°01'20	
max. Earth dist.	-3412 Jul 22 j 20:56	1°♋30'52	10.66500 AU	
morning rise	-3412 Aug 08 j 20:28	3°♋33'51		
retrograde	-3412 Nov 16 j 02:38	10°♋46'05		
opposition	-3411 Jan 22 j 22:25	7°♋26'17	1°31'27	
min. Earth dist.	-3411 Jan 22 j 17:51	7°♋27'10	8.73506 AU	
direct	-3411 Apr 03 j 10:32	4°♋00'34		
evening set	-3411 Jul 17 j 18:54	11°♋30'43		
conjunction	-3411 Aug 04 j 02:04	13°♋34'22	1°27'11	
minimum elong	-3411 Aug 04 j 02:01	13°♋34'21	1°27'19	
max. Earth dist.	-3411 Aug 04 j 05:56	13°♋35'32	10.80314 AU	
morning rise	-3411 Aug 21 j 04:04	15°♋36'29		
retrograde	-3411 Nov 27 j 22:44	22°♋40'17		
opposition	-3410 Feb 04 j 06:46	19°♋21'51	2°00'31	
min. Earth dist.	-3410 Feb 04 j 04:55	19°♋22'12	8.86779 AU	
direct	-3410 Apr 16 j 07:18	15°♋57'25		
evening set	-3410 Jul 30 j 02:41	23°♋19'10		
conjunction	-3410 Aug 16 j 04:31	25°♋19'50	1°48'48	
minimum elong	-3410 Aug 16 j 04:28	25°♋19'49	1°48'55	
max. Earth dist.	-3410 Aug 16 j 04:39	25°♋19'52	10.92791 AU	
morning rise	-3410 Sep 02 j 01:35	27°♋19'05		
	-3410 Sep 26 j 09:11	0°♌		
retrograde	-3410 Dec 09 j 15:32	4°♌16'16		
opposition	-3409 Feb 16 j 09:54	0°♌58'57	2°23'48	
min. Earth dist.	-3409 Feb 16 j 10:02	0°♌58'56	8.98461 AU	
	-3409 Mar 01 j 16:01	30°℞♋		
direct	-3409 Apr 28 j 20:01	27°♋35'51		
	-3409 Jun 24 j 02:19	0°♌		
evening set	-3409 Aug 11 j 00:58	4°♌50'06		
conjunction	-3409 Aug 27 j 22:03	6°♌48'15	2°05'32	
minimum elong	-3409 Aug 27 j 22:00	6°♌48'14	2°05'37	
max. Earth dist.	-3409 Aug 27 j 19:50	6°♌47'36	11.03449 AU	
morning rise	-3409 Sep 13 j 14:38	8°♌45'06		
	-3409 Nov 23 j 21:33	15°♌		
retrograde	-3409 Dec 21 j 03:35	15°♌37'28		
	-3408 Jan 17 j 20:04	15°℞♌		
opposition	-3408 Feb 28 j 08:51	12°♌21'00	2°40'53	
min. Earth dist.	-3408 Feb 28 j 11:05	12°♌20'35	9.08116 AU	
direct	-3408 May 10 j 00:07	8°♌59'11		
	-3408 Aug 11 j 16:31	15°♌		
evening set	-3408 Aug 21 j 15:31	16°♌07'05		
conjunction	-3408 Sep 07 j 08:29	18°♌03'11	2°17'04	
minimum elong	-3408 Sep 07 j 08:27	18°♌03'11	2°17'08	
max. Earth dist.	-3408 Sep 07 j 04:01	18°♌01'53	11.11910 AU	
morning rise	-3408 Sep 23 j 21:24	19°♌58'11		
retrograde	-3408 Dec 31 j 14:02	26°♌47'27		
opposition	-3407 Mar 11 j 04:44	23°♌31'35	2°51'32	
min. Earth dist.	-3407 Mar 11 j 10:00	23°♌30'37	9.15413 AU	

direct	-3407 May 21 j 23:11	20°♌10'55		
evening set	-3407 Sep 01 j 23:53	27°♌13'42		
conjunction	-3407 Sep 18 j 13:26	29°♌08'18	2°23'16	
minimum elong	-3407 Sep 18 j 13:25	29°♌08'18	2°23'20	
max. Earth dist.	-3407 Sep 18 j 05:32	29°♌06'01	11.17894 AU	
	-3407 Sep 25 j 23:43	0°♍		
morning rise	-3407 Oct 04 j 23:49	1°♍02'02		
retrograde	-3406 Jan 11 j 21:58	7°♍49'54		
opposition	-3406 Mar 22 j 22:55	4°♍34'19	2°55'43	
min. Earth dist.	-3406 Mar 23 j 06:56	4°♍32'51	9.20106 AU	
direct	-3406 Jun 02 j 16:55	1°♍14'40		
evening set	-3406 Sep 13 j 03:35	8°♍13'34		
conjunction	-3406 Sep 29 j 14:40	10°♍07'14	2°24'07	
minimum elong	-3406 Sep 29 j 14:40	10°♍07'14	2°24'10	
max. Earth dist.	-3406 Sep 29 j 04:10	10°♍04'12	11.21206 AU	
morning rise	-3406 Oct 15 j 23:31	12°♍00'18		
retrograde	-3405 Jan 23 j 07:07	18°♍48'31		
opposition	-3405 Apr 03 j 16:32	15°♍32'50	2°53'30	
min. Earth dist.	-3405 Apr 04 j 02:04	15°♍31'06	9.22039 AU	
direct	-3405 Jun 14 j 09:44	12°♍14'00		
evening set	-3405 Sep 24 j 04:22	19°♍10'21		
conjunction	-3405 Oct 10 j 14:09	21°♍03'41	2°19'41	
minimum elong	-3405 Oct 10 j 14:11	21°♍03'41	2°19'43	
max. Earth dist.	-3405 Oct 10 j 02:37	21°♍00'20	11.21742 AU	
morning rise	-3405 Oct 26 j 22:20	22°♍56'38		
retrograde	-3404 Feb 03 j 19:44	29°♍46'50		
opposition	-3404 Apr 14 j 10:43	26°♍30'46	2°45'00	
min. Earth dist.	-3404 Apr 14 j 21:14	26°♍28'51	9.21149 AU	
direct	-3404 Jun 24 j 23:01	23°♍12'33		
	-3404 Oct 03 j 00:59	0°♎		
evening set	-3404 Oct 04 j 04:01	0°♎07'40		
conjunction	-3404 Oct 20 j 13:24	2°♎01'14	2°10'08	
minimum elong	-3404 Oct 20 j 13:26	2°♎01'15	2°10'08	
max. Earth dist.	-3404 Oct 20 j 00:27	1°♎57'28	11.19468 AU	
morning rise	-3404 Nov 05 j 22:00	3°♎54'41		
retrograde	-3403 Feb 14 j 10:18	10°♎48'28		
opposition	-3403 Apr 26 j 06:45	7°♎31'43	2°30'26	
min. Earth dist.	-3403 Apr 26 j 18:57	7°♎29'30	9.17443 AU	
direct	-3403 Jul 06 j 10:34	4°♎13'50		
evening set	-3403 Oct 15 j 04:29	11°♎09'14		
conjunction	-3403 Oct 31 j 14:11	13°♎03'34	1°55'42	
minimum elong	-3403 Oct 31 j 14:14	13°♎03'35	1°55'40	
max. Earth dist.	-3403 Oct 30 j 23:12	12°♎59'11	11.14428 AU	
morning rise	-3403 Nov 17 j 00:16	14°♎58'04		
retrograde	-3402 Feb 26 j 05:47	21°♎57'03		
opposition	-3402 May 08 j 05:43	18°♎39'20	2°10'08	
min. Earth dist.	-3402 May 08 j 19:24	18°♎36'50	9.11002 AU	
direct	-3402 Jul 18 j 00:38	15°♎21'30		
evening set	-3402 Oct 26 j 07:24	22°♎18'41		
conjunction	-3402 Nov 11 j 18:27	24°♎14'20	1°36'43	
minimum elong	-3402 Nov 11 j 18:29	24°♎14'21	1°36'40	
max. Earth dist.	-3402 Nov 11 j 02:34	24°♎09'39	11.06735 AU	
morning rise	-3402 Nov 28 j 06:48	26°♎10'26		
	-3401 Jan 03 j 11:35	0°♏		
retrograde	-3401 Mar 10 j 07:01	3°♏16'18		
	-3401 May 19 j 18:13	30°℞♎		
opposition	-3401 May 20 j 08:50	29°♎57'18	1°44'31	
min. Earth dist.	-3401 May 20 j 22:47	29°♎54'44	9.01979 AU	
direct	-3401 Jul 29 j 16:42	26°♎39'18		
	-3401 Oct 03 j 09:34	0°♏		
evening set	-3401 Nov 06 j 14:41	3°♏39'52		

Attention, astronomical year style is used: The year -3401 in astronomical counting style is the year 3402 BCE in historical counting style.

conjunction	-3401 Nov 23 j 03:57	5°♏37'22	1°13'38
minimum elong	-3401 Nov 23 j 03:59	5°♏37'23	1°13'34
max. Earth dist.	-3401 Nov 22 j 12:35	5°♏32'47	10.96568 AU
morning rise	-3401 Dec 09 j 19:11	7°♏35'34	
retrograde	-3400 Mar 21 j 17:57	14°♏49'58	
opposition	-3400 May 31 j 17:09	11°♏29'29	1°14'08
min. Earth dist.	-3400 Jun 01 j 06:19	11°♏27'02	8.90633 AU
direct	-3400 Aug 09 j 12:43	8°♏11'03	
	-3400 Nov 14 j 19:55	15°♏	
evening set	-3400 Nov 17 j 04:42	15°♏16'42	
conjunction	-3400 Dec 03 j 20:37	17°♏16'30	0°47'03
minimum elong	-3400 Dec 03 j 20:39	17°♏16'31	0°46'58
max. Earth dist.	-3400 Dec 03 j 05:27	17°♏11'56	10.84280 AU
morning rise	-3400 Dec 20 j 15:22	19°♏17'16	
retrograde	-3399 Apr 03 j 13:00	26°♏41'37	
opposition	-3399 Jun 13 j 07:43	23°♏19'31	0°39'49
min. Earth dist.	-3399 Jun 13 j 20:02	23°♏17'12	8.77428 AU
direct	-3399 Aug 21 j 11:27	20°♏00'23	
evening set	-3399 Nov 29 j 03:08	27°♏12'44	
conjunction	-3399 Dec 15 j 22:05	29°♏15'12	0°17'47
minimum elong	-3399 Dec 15 j 22:06	29°♏15'12	0°17'42
max. Earth dist.	-3399 Dec 15 j 07:15	29°♏10'40	10.70409 AU
	-3399 Dec 22 j 00:32	0°♐	
morning rise	-3398 Jan 01 j 20:53	1°♐18'54	