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

retrograde	-3900 Feb 20 j 12:14	4°♎32'15	
	-3900 Apr 18 j 20:40	30°℞♍	
opposition	-3900 Apr 21 j 14:09	29°♍39'09	1°21'26
min. Earth dist.	-3900 Apr 22 j 15:14	29°♍31'09	4.22482 AU
direct	-3900 Jun 22 j 01:07	24°♍43'03	
	-3900 Aug 21 j 15:11	0°♎	
evening set	-3900 Oct 24 j 21:52	13°♎09'27	
max. Earth dist.	-3900 Nov 05 j 11:57	15°♎50'56	6.16722 AU
conjunction	-3900 Nov 06 j 12:47	16°♎05'23	0°35'31
minimum elong	-3900 Nov 06 j 12:49	16°♎05'25	0°35'29
morning rise	-3900 Nov 19 j 04:38	19°♎02'03	
	-3899 Jan 09 j 07:11	0°♏	
retrograde	-3899 Mar 27 j 00:17	8°♏04'22	
opposition	-3899 May 27 j 00:56	3°♏08'10	0°17'54
min. Earth dist.	-3899 May 27 j 09:27	3°♏05'25	4.11154 AU
	-3899 Jun 22 j 10:14	30°℞♎	
direct	-3899 Jul 26 j 02:12	28°♎14'26	
	-3899 Aug 28 j 09:40	0°♏	
desc. node	-3899 Sep 01 j 16:13	0°♏27'47	
	-3899 Nov 18 j 09:07	15°♏	
evening set	-3899 Nov 27 j 09:17	17°♏06'32	
conjunction	-3899 Dec 10 j 05:59	20°♏09'28	-0°12'21
minimum elong	-3899 Dec 10 j 05:58	20°♏09'27	0°12'28
behind sun begin	-3899 Dec 10 j 00:37	20°♏06'18	
behind sun end	-3899 Dec 10 j 11:18	20°♏12'37	
max. Earth dist.	-3899 Dec 10 j 06:21	20°♏09'41	6.06398 AU
morning rise	-3899 Dec 23 j 05:05	23°♏13'51	
	-3898 Jan 21 j 19:53	0°♐	
retrograde	-3898 May 03 j 02:05	13°♐09'18	
opposition	-3898 Jul 02 j 16:30	8°♐09'10	-0°55'04
min. Earth dist.	-3898 Jul 02 j 06:43	8°♐12'24	4.02787 AU
direct	-3898 Aug 30 j 11:33	3°♐16'09	
evening set	-3897 Jan 01 j 18:05	22°♐29'50	
conjunction	-3897 Jan 14 j 22:02	25°♐38'24	-0°57'01
minimum elong	-3897 Jan 14 j 21:58	25°♐38'22	0°57'10
max. Earth dist.	-3897 Jan 16 j 01:22	25°♐54'45	6.00729 AU
morning rise	-3897 Jan 28 j 05:16	28°♐48'47	
	-3897 Feb 02 j 05:44	0°♑	
retrograde	-3897 Jun 09 j 11:07	19°♑10'39	
opposition	-3897 Aug 08 j 13:29	14°♑07'01	-1°48'56
min. Earth dist.	-3897 Aug 07 j 12:01	14°♑15'35	4.00585 AU
direct	-3897 Oct 05 j 13:55	9°♑12'33	
evening set	-3896 Feb 07 j 13:14	28°♑33'38	
	-3896 Feb 13 j 15:34	0°♒	
conjunction	-3896 Feb 21 j 00:20	1°♒44'41	-1°20'35
minimum elong	-3896 Feb 21 j 00:19	1°♒44'41	1°20'43
max. Earth dist.	-3896 Feb 22 j 20:50	2°♒11'02	6.02026 AU
morning rise	-3896 Mar 05 j 14:37	4°♒57'15	
	-3896 Apr 19 j 22:53	15°♒	
retrograde	-3896 Jul 14 j 20:59	25°♒04'08	
min. Earth dist.	-3896 Sep 11 j 06:28	20°♒09'12	4.05336 AU
opposition	-3896 Sep 12 j 12:50	19°♒58'50	-2°00'52
direct	-3896 Nov 09 j 16:14	15°♒01'14	
	-3895 Feb 25 j 04:53	0°♓	
evening set	-3895 Mar 15 j 15:34	4°♓11'14	
conjunction	-3895 Mar 29 j 08:33	7°♓21'21	-1°13'43
minimum elong	-3895 Mar 29 j 08:37	7°♓21'23	1°13'46
max. Earth dist.	-3895 Mar 31 j 06:56	7°♓48'12	6.09725 AU
morning rise	-3895 Apr 12 j 02:55	10°♓32'01	
retrograde	-3895 Aug 18 j 11:49	29°♓49'09	
opposition	-3895 Oct 16 j 21:25	24°♓45'03	-1°28'36
min. Earth dist.	-3895 Oct 15 j 21:12	24°♓53'18	4.15106 AU
direct	-3895 Dec 14 j 21:07	19°♓44'15	
	-3894 Mar 12 j 04:17	0°♈	
evening set	-3894 Apr 20 j 20:39	8°♈30'06	
conjunction	-3894 May 04 j 15:00	11°♈36'06	-0°41'03
minimum elong	-3894 May 04 j 15:03	11°♈36'07	0°41'02
max. Earth dist.	-3894 May 05 j 19:42	11°♈52'17	6.20785 AU
morning rise	-3894 May 18 j 08:56	14°♈41'37	
	-3894 Aug 07 j 07:13	0°♉	
retrograde	-3894 Sep 20 j 03:07	2°♉58'17	
	-3894 Nov 02 j 23:18	30°℞♈	
opposition	-3894 Nov 18 j 14:41	27°♈57'25	-0°28'29
min. Earth dist.	-3894 Nov 18 j 03:26	28°♈01'13	4.26316 AU
direct	-3893 Jan 17 j 20:54	22°♈54'25	
	-3893 Mar 30 j 21:53	0°♉	
asc. node	-3893 May 06 j 03:03	7°♉03'18	
evening set	-3893 May 25 j 11:45	11°♉13'55	
conjunction	-3893 Jun 08 j 02:05	14°♉13'49	0°03'51
minimum elong	-3893 Jun 08 j 02:04	14°♉13'49	0°03'58
behind sun begin	-3893 Jun 07 j 17:55	14°♉09'20	
behind sun end	-3893 Jun 08 j 10:13	14°♉18'18	
max. Earth dist.	-3893 Jun 08 j 06:54	14°♉16'27	6.31364 AU
	-3893 Jun 11 j 13:37	15°♉	
morning rise	-3893 Jun 21 j 13:53	17°♉12'21	
	-3893 Aug 26 j 06:26	0°♊	
retrograde	-3893 Oct 21 j 10:59	4°♊40'05	
	-3893 Dec 18 j 01:28	30°℞♉	
opposition	-3893 Dec 20 j 04:20	29°♉43'13	0°37'33
min. Earth dist.	-3893 Dec 20 j 09:21	29°♉41'34	4.35409 AU
direct	-3892 Feb 19 j 17:00	24°♉39'32	
	-3892 Apr 22 j 04:48	0°♊	
evening set	-3892 Jun 26 j 11:58	12°♊39'28	
conjunction	-3892 Jul 09 j 17:49	15°♊33'04	0°46'13
minimum elong	-3892 Jul 09 j 17:45	15°♊33'03	0°46'23
max. Earth dist.	-3892 Jul 08 j 21:14	15°♊21'49	6.38253 AU
morning rise	-3892 Jul 22 j 20:30	18°♊25'02	
	-3892 Sep 19 j 18:01	0°♋	
retrograde	-3892 Nov 20 j 05:07	5°♋26'55	
opposition	-3891 Jan 19 j 08:01	0°♋33'22	1°30'57
min. Earth dist.	-3891 Jan 20 j 04:04	0°♋26'51	4.39764 AU
	-3891 Jan 23 j 15:05	30°℞♊	
direct	-3891 Mar 22 j 18:02	25°♊30'18	
	-3891 May 19 j 01:06	0°♋	
evening set	-3891 Jul 28 j 05:30	13°♋21'49	
max. Earth dist.	-3891 Aug 08 j 14:06	15°♋51'07	6.39641 AU
conjunction	-3891 Aug 10 j 02:21	16°♋11'02	1°14'55
minimum elong	-3891 Aug 10 j 02:19	16°♋11'01	1°15'03
morning rise	-3891 Aug 22 j 19:54	18°♋58'45	
	-3891 Oct 17 j 02:36	0°♌	
retrograde	-3891 Dec 21 j 06:27	6°♌01'06	
opposition	-3890 Feb 19 j 20:40	1°♌09'25	1°58'53
min. Earth dist.	-3890 Feb 21 j 01:40	1°♌00'09	4.38249 AU
	-3890 Feb 28 j 23:56	30°℞♋	
direct	-3890 Apr 23 j 12:39	26°♋08'15	
	-3890 Jun 15 j 05:29	0°♌	
evening set	-3890 Aug 28 j 07:12	14°♌03'01	
	-3890 Sep 01 j 13:57	15°♌	
max. Earth dist.	-3890 Sep 08 j 01:37	16°♌26'44	6.35218 AU
conjunction	-3890 Sep 09 j 21:29	16°♌51'12	1°22'37

Attention, astronomical year style is used: The year -3890 in astronomical counting style is the year 3891 BCE in historical counting style.

minimum elong	-3890 Sep 09 j 21:29	16°♌51'12	1°22'45	
morning rise	-3890 Sep 22 j 09:48	19°♌38'29		
	-3890 Nov 11 j 21:08	0°♍		
retrograde	-3889 Jan 22 j 12:52	7°♍06'26		
opposition	-3889 Mar 24 j 10:47	2°♍14'46	1°53'38	
min. Earth dist.	-3889 Mar 25 j 17:59	2°♍04'51	4.31224 AU	
	-3889 Apr 11 j 18:51	30°℞♌		
direct	-3889 May 25 j 17:45	27°♌16'12		
	-3889 Jul 08 j 01:29	0°♍		
evening set	-3889 Sep 28 j 11:29	15°♍24'56		
max. Earth dist.	-3889 Oct 09 j 10:25	17°♍54'28	6.26143 AU	
conjunction	-3889 Oct 11 j 00:12	18°♍16'01	1°06'29	
minimum elong	-3889 Oct 11 j 00:15	18°♍16'03	1°06'30	
morning rise	-3889 Oct 23 j 12:14	21°♍06'59		
	-3889 Dec 03 j 21:04	0°♎		
retrograde	-3888 Feb 25 j 10:22	9°♎20'57		
opposition	-3888 Apr 26 j 13:08	4°♎27'30	1°13'46	
min. Earth dist.	-3888 Apr 27 j 11:07	4°♎20'29	4.20626 AU	
	-3888 Jun 09 j 10:43	30°℞♍		
direct	-3888 Jun 26 j 18:21	29°♍31'50		
	-3888 Jul 14 j 02:26	0°♎		
evening set	-3888 Oct 29 j 14:18	18°♎02'28		
max. Earth dist.	-3888 Nov 10 j 09:04	20°♎47'17	6.15006 AU	
conjunction	-3888 Nov 11 j 05:51	20°♎59'26	0°29'09	
minimum elong	-3888 Nov 11 j 05:53	20°♎59'27	0°29'05	
morning rise	-3888 Nov 23 j 22:35	23°♎57'13		
	-3888 Dec 20 j 16:51	0°♏		
retrograde	-3887 Apr 01 j 07:08	13°♏08'00		
opposition	-3887 Jun 01 j 05:32	8°♏11'14	0°07'24	
min. Earth dist.	-3887 Jun 01 j 11:45	8°♏09'13	4.09709 AU	
desc. node	-3887 Jul 11 j 06:01	3°♏55'56		
direct	-3887 Jul 31 j 02:53	3°♏17'43		
	-3887 Oct 31 j 15:29	15°♏		
evening set	-3887 Dec 02 j 07:53	22°♏13'02		
conjunction	-3887 Dec 15 j 05:35	25°♏16'51	-0°19'23	
minimum elong	-3887 Dec 15 j 05:33	25°♏16'50	0°19'30	
max. Earth dist.	-3887 Dec 15 j 10:30	25°♏19'46	6.05357 AU	
morning rise	-3887 Dec 28 j 05:51	28°♏22'11		
	-3886 Jan 04 j 04:16	0°♐		
retrograde	-3886 May 08 j 09:22	18°♐22'41		
opposition	-3886 Jul 07 j 23:02	13°♐21'57	-1°04'35	
min. Earth dist.	-3886 Jul 07 j 09:51	13°♐26'19	4.02277 AU	
direct	-3886 Sep 04 j 13:50	8°♐28'53		
evening set	-3885 Jan 06 j 21:59	27°♐43'33		
	-3885 Jan 16 j 10:58	0°♑		
conjunction	-3885 Jan 20 j 02:48	0°♑52'30	-1°02'00	
minimum elong	-3885 Jan 20 j 02:44	0°♑52'28	1°02'10	
max. Earth dist.	-3885 Jan 21 j 08:47	1°♑10'25	6.00746 AU	
morning rise	-3885 Feb 02 j 11:04	4°♑03'15		
retrograde	-3885 Jun 14 j 15:59	24°♑24'25		
opposition	-3885 Aug 13 j 17:24	19°♑20'19	-1°53'26	
min. Earth dist.	-3885 Aug 12 j 14:30	19°♑29'24	4.01137 AU	
direct	-3885 Oct 10 j 17:53	14°♑25'26		
	-3884 Jan 27 j 15:07	0°♒		
evening set	-3884 Feb 12 j 18:49	3°♒44'51		
conjunction	-3884 Feb 26 j 06:57	6°♒55'51	-1°21'29	
minimum elong	-3884 Feb 26 j 06:57	6°♒55'50	1°21'37	
max. Earth dist.	-3884 Feb 28 j 05:59	7°♒23'36	6.03048 AU	
morning rise	-3884 Mar 10 j 21:48	10°♒08'11		
	-3884 Apr 01 j 02:29	15°♒		
	-3884 Jul 10 j 13:14	0°♓		
retrograde	-3884 Jul 19 j 20:47	0°♓08'36		
	-3884 Jul 29 j 02:29	30°℞♒		
min. Earth dist.	-3884 Sep 16 j 05:23	25°♒13'26	4.06726 AU	
opposition	-3884 Sep 17 j 11:01	25°♒03'20	-1°58'44	
direct	-3884 Nov 14 j 16:24	20°♒05'16		
	-3883 Feb 06 j 16:42	0°♓		
evening set	-3883 Mar 20 j 18:51	9°♓11'30		
conjunction	-3883 Apr 03 j 12:09	12°♓21'05	-1°10'26	
minimum elong	-3883 Apr 03 j 12:13	12°♓21'07	1°10'29	
max. Earth dist.	-3883 Apr 05 j 07:43	12°♓46'11	6.11346 AU	
morning rise	-3883 Apr 17 j 06:54	15°♓31'08		
	-3883 Jun 28 j 09:56	0°♈		
retrograde	-3883 Aug 23 j 02:21	4°♈39'16		
	-3883 Oct 18 j 13:11	30°℞♓		
opposition	-3883 Oct 21 j 13:09	29°♓35'30	-1°21'22	
min. Earth dist.	-3883 Oct 20 j 14:05	29°♓43'21	4.16800 AU	
direct	-3883 Dec 19 j 16:42	24°♓34'17		
	-3882 Feb 18 j 14:43	0°♈		
evening set	-3882 Apr 25 j 18:37	13°♈15'55		
conjunction	-3882 May 09 j 12:47	16°♈21'06	-0°35'11	
minimum elong	-3882 May 09 j 12:50	16°♈21'08	0°35'08	
max. Earth dist.	-3882 May 10 j 14:30	16°♈35'33	6.22442 AU	
morning rise	-3882 May 23 j 06:03	19°♈25'39		
	-3882 Jul 13 j 07:21	0°♉		
retrograde	-3882 Sep 24 j 14:15	7°♉34'22		
opposition	-3882 Nov 23 j 01:33	2°♉34'06	-0°19'09	
min. Earth dist.	-3882 Nov 22 j 17:07	2°♉36'56	4.27786 AU	
	-3882 Dec 13 j 04:29	30°℞♈		
direct	-3881 Jan 22 j 12:53	27°♈30'55		
	-3881 Mar 04 j 07:55	0°♉		
asc. node	-3881 Mar 16 j 00:02	1°♉29'43		
	-3881 May 26 j 13:51	15°♉		
evening set	-3881 May 30 j 04:17	15°♉47'12		
conjunction	-3881 Jun 12 j 17:34	18°♉46'12	0°10'12	
minimum elong	-3881 Jun 12 j 17:34	18°♉46'12	0°10'18	
behind sun begin	-3881 Jun 12 j 11:06	18°♉42'39		
behind sun end	-3881 Jun 13 j 00:01	18°♉49'44		
max. Earth dist.	-3881 Jun 12 j 17:48	18°♉46'20	6.32530 AU	
morning rise	-3881 Jun 26 j 04:20	21°♉43'49		
	-3881 Aug 04 j 21:49	0°♊		
retrograde	-3881 Oct 25 j 17:54	9°♊06'45		
opposition	-3881 Dec 24 j 12:44	4°♊10'23	0°46'07	
min. Earth dist.	-3881 Dec 24 j 19:59	4°♊07'59	4.36217 AU	
	-3880 Jan 31 j 02:54	30°℞♉		
direct	-3880 Feb 24 j 04:39	29°♉06'38		
	-3880 Mar 19 j 13:16	0°♊		
evening set	-3880 Jun 30 j 23:54	17°♊05'15		
max. Earth dist.	-3880 Jul 13 j 05:59	19°♊45'49	6.38640 AU	
conjunction	-3880 Jul 14 j 04:34	19°♊58'11	0°51'16	
minimum elong	-3880 Jul 14 j 04:31	19°♊58'09	0°51'26	
morning rise	-3880 Jul 27 j 05:50	22°♊49'26		
	-3880 Aug 30 j 14:39	0°♋		
retrograde	-3880 Nov 24 j 12:50	9°♋50'22		
opposition	-3879 Jan 23 j 17:08	4°♋57'14	1°36'38	
min. Earth dist.	-3879 Jan 24 j 14:48	4°♋50'14	4.39728 AU	
	-3879 Mar 19 j 07:46	30°℞♊		
direct	-3879 Mar 27 j 04:39	29°♊54'25		
	-3879 Apr 04 j 01:34	0°♋		
evening set	-3879 Aug 01 j 14:55	17°♋46'23		
max. Earth dist.	-3879 Aug 12 j 19:18	20°♋13'42	6.39161 AU	
conjunction	-3879 Aug 14 j 10:32	20°♋35'18	1°17'22	
minimum elong	-3879 Aug 14 j 10:30	20°♋35'17	1°17'31	
morning rise	-3879 Aug 27 j 03:17	23°♋22'50		

Attention, astronomical year style is used: The year -3879 in astronomical counting style is the year 3880 BCE in historical counting style.

	-3879 Sep 27 j 11:34	0°♌	
retrograde	-3879 Dec 25 j 18:35	10°♌28'03	
opposition	-3878 Feb 24 j 09:12	5°♌36'30	2°00'15
min. Earth dist.	-3878 Feb 25 j 15:23	5°♌26'51	4.37383 AU
direct	-3878 Apr 28 j 01:00	0°♌35'39	
	-3878 Aug 16 j 11:23	15°♌	
evening set	-3878 Sep 01 j 16:26	18°♌32'28	
max. Earth dist.	-3878 Sep 12 j 12:05	20°♌57'15	6.34047 AU
conjunction	-3878 Sep 14 j 06:23	21°♌20'56	1°21'47
minimum elong	-3878 Sep 14 j 06:24	21°♌20'56	1°21'53
morning rise	-3878 Sep 26 j 18:14	24°♌08'32	
	-3878 Oct 23 j 20:25	0°♍	
retrograde	-3877 Jan 27 j 04:40	11°♍42'13	
opposition	-3877 Mar 29 j 04:10	6°♍50'28	1°50'01
min. Earth dist.	-3877 Mar 30 j 09:49	6°♍41'03	4.29842 AU
direct	-3877 May 30 j 07:26	1°♍52'24	
evening set	-3877 Oct 02 j 23:09	20°♍03'59	
max. Earth dist.	-3877 Oct 13 j 23:52	22°♍35'04	6.24683 AU
conjunction	-3877 Oct 15 j 11:53	22°♍55'42	1°02'20
minimum elong	-3877 Oct 15 j 11:57	22°♍55'44	1°02'21
morning rise	-3877 Oct 28 j 00:25	25°♍47'29	
	-3877 Nov 15 j 19:42	0°♎	
retrograde	-3876 Mar 01 j 10:24	14°♎08'48	
opposition	-3876 May 01 j 12:11	9°♎14'58	1°05'39
min. Earth dist.	-3876 May 02 j 08:34	9°♎08'27	4.19177 AU
direct	-3876 Jul 01 j 13:49	4°♎19'41	
evening set	-3876 Nov 03 j 05:56	22°♎53'05	
conjunction	-3876 Nov 15 j 22:15	25°♎50'56	0°22'40
minimum elong	-3876 Nov 15 j 22:17	25°♎50'57	0°22'35
max. Earth dist.	-3876 Nov 15 j 05:35	25°♎41'10	6.13719 AU
morning rise	-3876 Nov 28 j 15:51	28°♎49'40	
	-3876 Dec 03 j 17:03	0°♏	
	-3875 Feb 19 j 14:10	15°♏	
retrograde	-3875 Apr 06 j 09:40	18°♏07'13	
desc. node	-3875 May 21 j 06:01	15°♏11'30	
	-3875 May 22 j 20:38	15°℞♏	
opposition	-3875 Jun 06 j 08:15	13°♏09'56	-0°02'59
min. Earth dist.	-3875 Jun 06 j 11:12	13°♏08'59	4.08702 AU
direct	-3875 Aug 05 j 00:34	8°♏16'40	
	-3875 Oct 11 j 10:33	15°♏	
evening set	-3875 Dec 07 j 04:56	27°♏13'58	
	-3875 Dec 18 j 20:27	0°♐	
conjunction	-3875 Dec 20 j 03:23	0°♐18'25	-0°26'06
minimum elong	-3875 Dec 20 j 03:20	0°♐18'24	0°26'13
max. Earth dist.	-3875 Dec 20 j 11:25	0°♐23'12	6.04705 AU
morning rise	-3874 Jan 02 j 04:45	3°♐24'31	
retrograde	-3874 May 13 j 13:18	23°♐28'36	
min. Earth dist.	-3874 Jul 12 j 10:34	18°♐32'28	4.02049 AU
opposition	-3874 Jul 13 j 02:04	18°♐27'19	-1°13'20
direct	-3874 Sep 09 j 15:00	13°♐34'05	
	-3874 Dec 30 j 23:13	0°♑	
evening set	-3873 Jan 11 j 23:04	2°♑49'13	
conjunction	-3873 Jan 25 j 05:00	5°♑58'30	-1°06'22
minimum elong	-3873 Jan 25 j 04:56	5°♑58'28	1°06'31
max. Earth dist.	-3873 Jan 26 j 15:05	6°♑18'50	6.00953 AU
morning rise	-3873 Feb 07 j 14:05	9°♑09'32	
retrograde	-3873 Jun 19 j 18:24	29°♑29'09	
opposition	-3873 Aug 18 j 17:26	24°♑24'49	-1°56'54
min. Earth dist.	-3873 Aug 17 j 14:17	24°♑34'00	4.01773 AU
direct	-3873 Oct 15 j 17:40	19°♑29'35	
	-3872 Jan 09 j 15:10	0°♒	
evening set	-3872 Feb 17 j 21:13	8°♒47'27	
conjunction	-3872 Mar 02 j 10:02	11°♒58'20	-1°21'45
minimum elong	-3872 Mar 02 j 10:03	11°♒58'20	1°21'52
max. Earth dist.	-3872 Mar 04 j 08:03	12°♒25'24	6.04022 AU
	-3872 Mar 15 j 07:43	15°♒	
morning rise	-3872 Mar 16 j 01:47	15°♒10'33	
	-3872 May 27 j 04:17	0°♓	
retrograde	-3872 Jul 24 j 15:01	5°♓04'56	
min. Earth dist.	-3872 Sep 20 j 24:00	0°♓09'52	4.07939 AU
opposition	-3872 Sep 22 j 05:37	29°♒59'45	-1°55'50
	-3872 Sep 22 j 04:52	30°℞♒	
direct	-3872 Nov 19 j 12:37	25°♒01'15	
	-3871 Jan 15 j 14:36	0°♓	
evening set	-3871 Mar 25 j 19:07	14°♓04'43	
conjunction	-3871 Apr 08 j 12:57	17°♓13'54	-1°06'44
minimum elong	-3871 Apr 08 j 13:01	17°♓13'56	1°06'47
max. Earth dist.	-3871 Apr 10 j 06:24	17°♓37'43	6.12712 AU
morning rise	-3871 Apr 22 j 07:44	20°♓23'23	
	-3871 Jun 06 j 00:24	0°♈	
retrograde	-3871 Aug 27 j 17:25	9°♈23'51	
min. Earth dist.	-3871 Oct 25 j 06:14	4°♈27'27	4.18166 AU
opposition	-3871 Oct 26 j 02:34	4°♈20'32	-1°13'48
	-3871 Dec 04 j 02:12	30°℞♓	
direct	-3871 Dec 24 j 10:50	29°♓19'00	
	-3870 Jan 13 j 23:11	0°♈	
evening set	-3870 Apr 30 j 14:52	17°♈57'48	
conjunction	-3870 May 14 j 08:46	21°♈02'21	-0°29'11
minimum elong	-3870 May 14 j 08:48	21°♈02'23	0°29'08
max. Earth dist.	-3870 May 15 j 07:07	21°♈14'52	6.23719 AU
morning rise	-3870 May 28 j 01:31	24°♈06'09	
	-3870 Jun 24 j 08:08	0°♉	
retrograde	-3870 Sep 28 j 22:54	12°♉08'26	
opposition	-3870 Nov 27 j 11:18	7°♉08'43	-0°09'51
min. Earth dist.	-3870 Nov 27 j 04:19	7°♉11'03	4.28882 AU
asc. node	-3869 Jan 24 j 11:19	2°♉06'01	
direct	-3869 Jan 27 j 01:37	2°♉05'23	
	-3869 May 09 j 20:38	15°♉	
evening set	-3869 Jun 03 j 19:57	20°♉19'44	
conjunction	-3869 Jun 17 j 08:16	23°♉17'59	0°16'24
minimum elong	-3869 Jun 17 j 08:14	23°♉17'58	0°16'32
max. Earth dist.	-3869 Jun 17 j 05:02	23°♉16'13	6.33383 AU
morning rise	-3869 Jun 30 j 17:53	26°♉14'47	
	-3869 Jul 18 j 04:03	0°♊	
retrograde	-3869 Oct 30 j 02:59	13°♊34'07	
opposition	-3869 Dec 28 j 21:34	8°♊38'17	0°54'21
min. Earth dist.	-3869 Dec 29 j 07:23	8°♊35'04	4.36779 AU
direct	-3868 Feb 28 j 17:06	3°♊34'37	
evening set	-3868 Jul 05 j 11:47	21°♊32'23	
conjunction	-3868 Jul 18 j 15:11	24°♊24'41	0°56'00
minimum elong	-3868 Jul 18 j 15:07	24°♊24'40	0°56'09
max. Earth dist.	-3868 Jul 17 j 13:36	24°♊10'41	6.38856 AU
morning rise	-3868 Jul 31 j 15:14	27°♊15'21	
	-3868 Aug 13 j 08:51	0°♋	
retrograde	-3868 Nov 28 j 21:12	14°♋15'51	
opposition	-3867 Jan 28 j 02:58	9°♋22'58	1°41'45
min. Earth dist.	-3867 Jan 29 j 01:38	9°♋15'38	4.39624 AU
direct	-3867 Mar 31 j 15:11	4°♋20'19	
evening set	-3867 Aug 06 j 00:24	22°♋12'34	
max. Earth dist.	-3867 Aug 17 j 04:20	24°♋39'50	6.38738 AU
conjunction	-3867 Aug 18 j 19:05	25°♋01'14	1°19'22
minimum elong	-3867 Aug 18 j 19:03	25°♋01'12	1°19'31
morning rise	-3867 Aug 31 j 10:45	27°♋48'30	
	-3867 Sep 10 j 12:29	0°♌	

Attention, astronomical year style is used: The year -3867 in astronomical counting style is the year 3868 BCE in historical counting style.

retrograde	-3867 Dec 30 j 05:47	14°♌56'09	
opposition	-3866 Feb 28 j 22:00	10°♌04'40	2°00'53
min. Earth dist.	-3866 Mar 02 j 04:21	9°♌54'59	4.36666 AU
direct	-3866 May 02 j 13:02	5°♌04'10	
	-3866 Jul 30 j 00:37	15°♌	
evening set	-3866 Sep 06 j 01:18	23°♌02'04	
max. Earth dist.	-3866 Sep 16 j 19:34	25°♌26'30	6.33066 AU
conjunction	-3866 Sep 18 j 14:39	25°♌50'41	1°20'27
minimum elong	-3866 Sep 18 j 14:40	25°♌50'41	1°20'32
morning rise	-3866 Oct 01 j 02:25	28°♌38'36	
	-3866 Oct 07 j 04:54	0°♍	
retrograde	-3865 Jan 31 j 21:29	16°♍17'23	
opposition	-3865 Apr 02 j 21:25	11°♍25'20	1°45'42
min. Earth dist.	-3865 Apr 04 j 02:23	11°♍16'07	4.28629 AU
direct	-3865 Jun 03 j 22:08	6°♍27'34	
evening set	-3865 Oct 07 j 09:35	24°♍41'10	
conjunction	-3865 Oct 19 j 22:42	27°♍33'33	0°57'48
minimum elong	-3865 Oct 19 j 22:45	27°♍33'35	0°57'49
max. Earth dist.	-3865 Oct 18 j 13:39	27°♍14'35	6.23339 AU
	-3865 Oct 30 j 13:54	0°♎	
morning rise	-3865 Nov 01 j 11:31	0°♎26'04	
retrograde	-3864 Mar 06 j 07:40	18°♎54'16	
opposition	-3864 May 06 j 09:59	14°♎00'01	0°57'06
min. Earth dist.	-3864 May 07 j 04:17	13°♎54'09	4.17778 AU
direct	-3864 Jul 06 j 07:12	9°♎05'04	
evening set	-3864 Nov 07 j 20:53	27°♎41'16	
	-3864 Nov 17 j 17:48	0°♏	
conjunction	-3864 Nov 20 j 13:46	0°♏39'57	0°16'04
minimum elong	-3864 Nov 20 j 13:47	0°♏39'57	0°15'59
behind sun begin	-3864 Nov 20 j 12:13	0°♏39'02	
behind sun end	-3864 Nov 20 j 15:22	0°♏40'53	
max. Earth dist.	-3864 Nov 19 j 22:57	0°♏31'15	6.12381 AU
morning rise	-3864 Dec 03 j 08:25	3°♏39'42	
	-3863 Jan 24 j 21:17	15°♏	
desc. node	-3863 Mar 31 j 14:07	22°♏53'01	
retrograde	-3863 Apr 11 j 11:48	23°♏04'20	
opposition	-3863 Jun 11 j 09:46	18°♏06'26	-0°13'19
min. Earth dist.	-3863 Jun 11 j 10:12	18°♏06'18	4.07526 AU
	-3863 Jul 07 j 07:39	15°℞♏	
direct	-3863 Aug 09 j 22:14	13°♏13'13	
	-3863 Sep 12 j 03:50	15°♏	
	-3863 Dec 02 j 14:35	0°♐	
evening set	-3863 Dec 12 j 01:33	2°♐13'26	
conjunction	-3863 Dec 25 j 01:09	5°♐18'44	-0°32'38
minimum elong	-3863 Dec 25 j 01:06	5°♐18'43	0°32'47
max. Earth dist.	-3863 Dec 25 j 13:48	5°♐26'16	6.03801 AU
morning rise	-3862 Jan 07 j 03:29	8°♐25'41	
retrograde	-3862 May 18 j 19:25	28°♐34'16	
opposition	-3862 Jul 18 j 05:03	23°♐32'30	-1°21'35
min. Earth dist.	-3862 Jul 17 j 12:15	23°♐38'05	4.01529 AU
direct	-3862 Sep 14 j 15:17	18°♐39'05	
	-3862 Dec 13 j 06:38	0°♑	
evening set	-3861 Jan 17 j 01:13	7°♑55'58	
conjunction	-3861 Jan 30 j 07:59	11°♑05'42	-1°10'15
minimum elong	-3861 Jan 30 j 07:56	11°♑05'40	1°10'24
max. Earth dist.	-3861 Jan 31 j 19:09	11°♑26'40	6.00825 AU
morning rise	-3861 Feb 12 j 18:16	14°♑17'14	
	-3861 Apr 30 j 05:35	0°♒	
retrograde	-3861 Jun 24 j 19:47	4°♒36'26	
	-3861 Aug 20 j 07:01	30°℞♑	
opposition	-3861 Aug 23 j 18:16	29°♑31'47	-1°59'35
min. Earth dist.	-3861 Aug 22 j 13:33	29°♑41'32	4.02074 AU
direct	-3861 Oct 20 j 17:11	24°♑36'07	
	-3861 Dec 18 j 16:58	0°♒	
evening set	-3860 Feb 23 j 01:46	13°♒53'50	
	-3860 Feb 27 j 18:56	15°♒	
conjunction	-3860 Mar 07 j 15:36	17°♒04'49	-1°21'24
minimum elong	-3860 Mar 07 j 15:37	17°♒04'49	1°21'30
max. Earth dist.	-3860 Mar 09 j 14:18	17°♒32'14	6.04717 AU
morning rise	-3860 Mar 21 j 07:55	20°♒16'58	
	-3860 May 04 j 11:23	0°♓	
retrograde	-3860 Jul 29 j 14:07	10°♓06'07	
min. Earth dist.	-3860 Sep 25 j 22:20	5°♓10'37	4.08935 AU
opposition	-3860 Sep 27 j 02:19	5°♓01'03	-1°52'03
direct	-3860 Nov 24 j 12:43	0°♓02'05	
evening set	-3859 Mar 30 j 22:16	19°♓03'31	
conjunction	-3859 Apr 13 j 16:32	22°♓12'23	-1°02'29
minimum elong	-3859 Apr 13 j 16:36	22°♓12'25	1°02'31
max. Earth dist.	-3859 Apr 15 j 08:45	22°♓35'25	6.13938 AU
morning rise	-3859 Apr 27 j 11:27	25°♓21'23	
	-3859 May 18 j 07:40	0°♈	
retrograde	-3859 Sep 01 j 09:03	14°♈14'23	
opposition	-3859 Oct 30 j 18:35	9°♈11'33	-1°05'32
min. Earth dist.	-3859 Oct 29 j 22:48	9°♈18'16	4.19508 AU
direct	-3859 Dec 29 j 05:36	4°♈09'45	
evening set	-3858 May 05 j 13:54	22°♈45'39	
conjunction	-3858 May 19 j 07:15	25°♈49'27	-0°22'51
minimum elong	-3858 May 19 j 07:17	25°♈49'28	0°22'47
max. Earth dist.	-3858 May 20 j 01:53	25°♈59'51	6.25109 AU
morning rise	-3858 Jun 01 j 23:21	28°♈52'22	
	-3858 Jun 07 j 01:45	0°♉	
	-3858 Aug 30 j 17:51	15°♉	
retrograde	-3858 Oct 03 j 12:02	16°♉47'49	
	-3858 Nov 06 j 00:30	15°℞♉	
opposition	-3858 Dec 01 j 23:51	11°♉48'42	-0°00'18
min. Earth dist.	-3858 Dec 01 j 19:33	11°♉50'08	4.30220 AU
asc. node	-3858 Dec 03 j 17:31	11°♉34'47	
direct	-3857 Jan 31 j 19:22	6°♉45'18	
	-3857 Apr 20 j 20:00	15°♉	
evening set	-3857 Jun 08 j 13:35	24°♉56'36	
conjunction	-3857 Jun 22 j 00:50	27°♉53'55	0°22'39
minimum elong	-3857 Jun 22 j 00:48	27°♉53'54	0°22'47
max. Earth dist.	-3857 Jun 21 j 19:46	27°♉51'08	6.34595 AU
	-3857 Jul 01 j 14:18	0°♊	
morning rise	-3857 Jul 05 j 09:04	0°♊49'40	
retrograde	-3857 Nov 03 j 10:28	18°♊04'08	
opposition	-3856 Jan 02 j 07:40	13°♊08'48	1°02'20
min. Earth dist.	-3856 Jan 02 j 18:12	13°♊05'20	4.37819 AU
direct	-3856 Mar 04 j 05:27	8°♊05'16	
evening set	-3856 Jul 10 j 00:05	26°♊00'22	
max. Earth dist.	-3856 Jul 21 j 22:43	28°♊36'49	6.39649 AU
conjunction	-3856 Jul 23 j 02:01	28°♊51'46	1°00'24
minimum elong	-3856 Jul 23 j 01:57	28°♊51'44	1°00'33
	-3856 Jul 28 j 06:36	0°♋	
morning rise	-3856 Aug 05 j 00:40	1°♋41'32	
retrograde	-3856 Dec 03 j 05:45	18°♋39'51	
opposition	-3855 Feb 01 j 12:45	13°♋47'19	1°46'11
min. Earth dist.	-3855 Feb 02 j 13:15	13°♋39'26	4.40123 AU
direct	-3855 Apr 05 j 03:39	8°♋44'58	
evening set	-3855 Aug 10 j 08:13	26°♋35'19	
max. Earth dist.	-3855 Aug 21 j 09:15	29°♋01'05	6.38880 AU
conjunction	-3855 Aug 23 j 01:48	29°♋23'28	1°20'51
minimum elong	-3855 Aug 23 j 01:46	29°♋23'27	1°21'00

Attention, astronomical year style is used: The year -3855 in astronomical counting style is the year 3856 BCE in historical counting style.

	-3855 Aug 25 j 20:00	0°♌	
morning rise	-3855 Sep 04 j 16:36	2°♌10'19	
	-3855 Nov 10 j 03:10	15°♌	
retrograde	-3854 Jan 03 j 14:41	19°♌18'54	
	-3854 Mar 01 j 02:23	15°℞♌	
opposition	-3854 Mar 05 j 08:54	14°♌27'25	2°00'44
min. Earth dist.	-3854 Mar 06 j 15:20	14°♌17'43	4.36444 AU
direct	-3854 May 06 j 23:06	9°♌27'14	
	-3854 Jul 09 j 19:11	15°♌	
evening set	-3854 Sep 10 j 07:10	27°♌24'45	
max. Earth dist.	-3854 Sep 21 j 02:30	29°♌49'58	6.32497 AU
	-3854 Sep 21 j 20:21	0°♍	
conjunction	-3854 Sep 22 j 20:11	0°♍13'24	1°18'39
minimum elong	-3854 Sep 22 j 20:13	0°♍13'25	1°18'44
morning rise	-3854 Oct 05 j 07:32	3°♍01'27	
retrograde	-3853 Feb 05 j 10:03	20°♍44'10	
opposition	-3853 Apr 07 j 11:02	15°♍51'59	1°40'50
min. Earth dist.	-3853 Apr 08 j 15:57	15°♍42'48	4.27721 AU
direct	-3853 Jun 08 j 09:33	10°♍54'37	
evening set	-3853 Oct 11 j 16:37	29°♍09'37	
	-3853 Oct 15 j 08:41	0°♎	
max. Earth dist.	-3853 Oct 22 j 20:26	1°♎43'20	6.22166 AU
conjunction	-3853 Oct 24 j 05:50	2°♎02'34	0°53'04
minimum elong	-3853 Oct 24 j 05:53	2°♎02'36	0°53'04
morning rise	-3853 Nov 05 j 19:19	4°♎55'50	
retrograde	-3852 Mar 11 j 01:02	23°♎30'44	
opposition	-3852 May 11 j 03:43	18°♎36'02	0°48'29
min. Earth dist.	-3852 May 11 j 20:23	18°♎30'41	4.16395 AU
direct	-3852 Jul 10 j 20:53	13°♎41'20	
	-3852 Nov 02 j 05:13	0°♏	
evening set	-3852 Nov 12 j 08:06	2°♏20'48	
conjunction	-3852 Nov 25 j 01:56	5°♏20'29	0°09'36
minimum elong	-3852 Nov 25 j 01:56	5°♏20'29	0°09'31
behind sun begin	-3852 Nov 24 j 19:13	5°♏16'33	
behind sun end	-3852 Nov 25 j 08:39	5°♏24'25	
max. Earth dist.	-3852 Nov 24 j 14:35	5°♏13'49	6.10932 AU
morning rise	-3852 Dec 07 j 21:23	8°♏21'17	
	-3851 Jan 06 j 04:33	15°♏	
desc. node	-3851 Feb 10 j 20:29	21°♏56'55	
retrograde	-3851 Apr 16 j 12:14	27°♏53'40	
opposition	-3851 Jun 16 j 07:44	22°♏55'22	-0°23'13
min. Earth dist.	-3851 Jun 16 j 07:02	22°♏55'35	4.06133 AU
direct	-3851 Aug 14 j 16:23	18°♏02'14	
	-3851 Nov 15 j 19:22	0°♐	
evening set	-3851 Dec 16 j 19:54	7°♐06'43	
conjunction	-3851 Dec 29 j 20:22	10°♐12'59	-0°38'43
minimum elong	-3851 Dec 29 j 20:19	10°♐12'57	0°38'52
max. Earth dist.	-3851 Dec 30 j 10:16	10°♐21'16	6.02587 AU
morning rise	-3850 Jan 12 j 00:03	13°♐21'00	
	-3850 Apr 04 j 23:35	0°♑	
retrograde	-3850 May 23 j 20:41	3°♑35'23	
	-3850 Jul 12 j 05:27	30°℞♐	
min. Earth dist.	-3850 Jul 22 j 09:48	28°♐39'37	4.00645 AU
opposition	-3850 Jul 23 j 05:11	28°♐33'09	-1°29'01
direct	-3850 Sep 19 j 11:20	23°♐39'32	
	-3850 Nov 22 j 18:29	0°♑	
evening set	-3849 Jan 22 j 02:14	12°♑59'59	
conjunction	-3849 Feb 04 j 10:16	16°♑10'27	-1°13'30
minimum elong	-3849 Feb 04 j 10:14	16°♑10'26	1°13'39
max. Earth dist.	-3849 Feb 06 j 00:29	16°♑33'15	6.00358 AU
morning rise	-3849 Feb 17 j 21:31	19°♑22'37	
	-3849 Apr 06 j 18:06	0°♒	
retrograde	-3849 Jun 29 j 22:46	9°♒42'34	
opposition	-3849 Aug 28 j 18:06	4°♒37'42	-2°01'14
min. Earth dist.	-3849 Aug 27 j 13:31	4°♒47'25	4.02082 AU
	-3849 Oct 12 j 10:01	30°℞♑	
direct	-3849 Oct 25 j 17:46	29°♑41'36	
	-3849 Nov 08 j 01:25	0°♒	
	-3848 Feb 10 j 20:34	15°♒	
evening set	-3848 Feb 28 j 06:12	19°♒00'10	
conjunction	-3848 Mar 12 j 21:00	22°♒11'23	-1°20'21
minimum elong	-3848 Mar 12 j 21:02	22°♒11'24	1°20'27
max. Earth dist.	-3848 Mar 14 j 21:00	22°♒39'30	6.05202 AU
morning rise	-3848 Mar 26 j 14:08	25°♒23'38	
	-3848 Apr 15 j 18:50	0°♓	
retrograde	-3848 Aug 03 j 11:33	15°♓07'50	
opposition	-3848 Oct 01 j 22:44	10°♓02'53	-1°47'22
min. Earth dist.	-3848 Sep 30 j 18:10	10°♓12'39	4.09843 AU
direct	-3848 Nov 29 j 10:27	5°♓03'28	
evening set	-3847 Apr 05 j 01:35	24°♓02'52	
conjunction	-3847 Apr 18 j 20:01	27°♓11'17	-0°57'44
minimum elong	-3847 Apr 18 j 20:05	27°♓11'19	0°57'44
max. Earth dist.	-3847 Apr 20 j 09:38	27°♓32'46	6.15194 AU
	-3847 May 01 j 04:13	0°♈	
morning rise	-3847 May 02 j 15:02	0°♈19'43	
retrograde	-3847 Sep 06 j 01:23	19°♈04'50	
opposition	-3847 Nov 04 j 10:23	14°♈02'19	-0°56'48
min. Earth dist.	-3847 Nov 03 j 16:44	14°♈08'19	4.20946 AU
direct	-3846 Jan 03 j 02:30	9°♈00'07	
evening set	-3846 May 10 j 12:12	27°♈32'20	
	-3846 May 21 j 13:53	0°♉	
conjunction	-3846 May 24 j 05:10	0°♉35'17	-0°16'22
minimum elong	-3846 May 24 j 05:11	0°♉35'17	0°16'17
max. Earth dist.	-3846 May 24 j 22:27	0°♉44'54	6.26612 AU
morning rise	-3846 Jun 06 j 20:16	3°♉37'10	
	-3846 Aug 02 j 01:20	15°♉	
retrograde	-3846 Oct 07 j 21:29	21°♉25'10	
asc. node	-3846 Oct 12 j 20:41	21°♉22'43	
opposition	-3846 Dec 06 j 11:25	16°♉26'30	0°09'14
min. Earth dist.	-3846 Dec 06 j 08:11	16°♉27'35	4.31629 AU
	-3846 Dec 17 j 10:59	15°℞♉	
direct	-3845 Feb 05 j 10:14	11°♉22'57	
	-3845 Mar 27 j 16:26	15°♉	
evening set	-3845 Jun 13 j 05:54	29°♉30'45	
	-3845 Jun 15 j 11:33	0°♊	
conjunction	-3845 Jun 26 j 15:46	2°♊27'02	0°28'45
minimum elong	-3845 Jun 26 j 15:44	2°♊27'01	0°28'53
max. Earth dist.	-3845 Jun 26 j 06:22	2°♊21'53	6.35764 AU
morning rise	-3845 Jul 09 j 22:48	5°♊21'46	
retrograde	-3845 Nov 07 j 19:31	22°♊31'46	
opposition	-3844 Jan 06 j 17:24	17°♊36'51	1°09'59
min. Earth dist.	-3844 Jan 07 j 06:56	17°♊32'25	4.38651 AU
direct	-3844 Mar 08 j 19:34	12°♊33'20	
	-3844 Jul 12 j 10:31	0°♋	
evening set	-3844 Jul 14 j 11:10	0°♋26'22	
max. Earth dist.	-3844 Jul 26 j 06:42	3°♋01'06	6.40047 AU
conjunction	-3844 Jul 27 j 11:54	3°♋17'05	1°04'29
minimum elong	-3844 Jul 27 j 11:51	3°♋17'03	1°04'39
morning rise	-3844 Aug 09 j 09:10	6°♋06'08	
retrograde	-3844 Dec 07 j 13:04	23°♋03'51	
opposition	-3843 Feb 05 j 22:47	18°♋11'31	1°50'09
min. Earth dist.	-3843 Feb 06 j 23:50	18°♋03'28	4.40083 AU
direct	-3843 Apr 09 j 13:50	13°♋09'22	
	-3843 Aug 10 j 03:26	0°♌	

Attention, astronomical year style is used: The year -3843 in astronomical counting style is the year 3844 BCE in historical counting style.

evening set	-3843 Aug 14 j 16:45	0°♌59'41	
max. Earth dist.	-3843 Aug 25 j 15:55	3°♌24'41	6.38389 AU
conjunction	-3843 Aug 27 j 09:21	3°♌47'36	1°21'58
minimum elong	-3843 Aug 27 j 09:20	3°♌47'36	1°22'06
morning rise	-3843 Sep 08 j 23:21	6°♌34'19	
	-3843 Oct 19 j 10:38	15°♌	
retrograde	-3842 Jan 08 j 03:16	23°♌46'05	
opposition	-3842 Mar 09 j 22:10	18°♌54'38	2°00'02
min. Earth dist.	-3842 Mar 11 j 05:50	18°♌44'33	4.35525 AU
	-3842 Apr 14 j 09:26	15°℞♌	
direct	-3842 May 11 j 11:56	13°♌54'48	
	-3842 Jun 07 j 14:18	15°♌	
	-3842 Sep 06 j 02:00	0°♍	
evening set	-3842 Sep 14 j 15:41	1°♍54'08	
max. Earth dist.	-3842 Sep 25 j 09:51	4°♍19'12	6.31211 AU
conjunction	-3842 Sep 27 j 04:25	4°♍43'12	1°16'24
minimum elong	-3842 Sep 27 j 04:27	4°♍43'14	1°16'29
morning rise	-3842 Oct 09 j 15:53	7°♍31'48	
retrograde	-3841 Feb 10 j 03:28	25°♍21'08	
opposition	-3841 Apr 12 j 05:28	20°♍28'39	1°35'15
min. Earth dist.	-3841 Apr 13 j 08:42	20°♍19'59	4.26145 AU
direct	-3841 Jun 12 j 23:52	15°♍31'40	
	-3841 Sep 29 j 04:03	0°♎	
evening set	-3841 Oct 16 j 04:24	3°♎50'09	
conjunction	-3841 Oct 28 j 18:09	6°♎44'02	0°47'48
minimum elong	-3841 Oct 28 j 18:12	6°♎44'04	0°47'46
max. Earth dist.	-3841 Oct 27 j 12:11	6°♎26'42	6.20451 AU
morning rise	-3841 Nov 10 j 08:09	9°♎38'18	
retrograde	-3840 Mar 16 j 02:44	28°♎21'51	
opposition	-3840 May 16 j 04:03	23°♎26'47	0°39'04
min. Earth dist.	-3840 May 16 j 19:19	23°♎21'53	4.14659 AU
direct	-3840 Jul 15 j 17:08	18°♎32'27	
	-3840 Oct 15 j 20:56	0°♏	
evening set	-3840 Nov 17 j 02:10	7°♏16'14	
conjunction	-3840 Nov 29 j 20:43	10°♏16'57	0°02'41
minimum elong	-3840 Nov 29 j 20:45	10°♏16'58	0°02'36
behind sun begin	-3840 Nov 29 j 12:42	10°♏12'14	
behind sun end	-3840 Nov 30 j 04:48	10°♏21'42	
max. Earth dist.	-3840 Nov 29 j 11:34	10°♏11'34	6.09342 AU
morning rise	-3840 Dec 12 j 17:29	13°♏19'00	
	-3840 Dec 19 j 22:28	15°♏	
desc. node	-3840 Dec 21 j 04:31	15°♏17'25	
	-3839 Mar 08 j 01:52	0°♐	
retrograde	-3839 Apr 21 j 17:48	2°♐59'27	
	-3839 Jun 05 j 21:06	30°℞♏	
opposition	-3839 Jun 21 j 12:22	28°♏00'37	-0°33'35
min. Earth dist.	-3839 Jun 21 j 07:50	28°♏02'06	4.04865 AU
direct	-3839 Aug 19 j 15:22	23°♏07'37	
	-3839 Oct 26 j 09:46	0°♐	
evening set	-3839 Dec 21 j 20:55	12°♐15'44	
conjunction	-3838 Jan 03 j 22:33	15°♐22'52	-0°44'53
minimum elong	-3838 Jan 03 j 22:30	15°♐22'50	0°45'02
max. Earth dist.	-3838 Jan 04 j 17:37	15°♐34'15	6.01774 AU
morning rise	-3838 Jan 17 j 03:14	18°♐31'43	
	-3838 Mar 10 j 04:08	0°♑	
retrograde	-3838 May 29 j 05:06	8°♑49'50	
opposition	-3838 Jul 28 j 10:58	3°♑47'09	-1°36'08
min. Earth dist.	-3838 Jul 27 j 14:06	3°♑54'08	4.00417 AU
	-3838 Aug 29 j 22:29	30°℞♐	
direct	-3838 Sep 24 j 15:30	28°♐53'21	
	-3838 Oct 20 j 06:35	0°♑	
evening set	-3837 Jan 27 j 08:00	18°♑14'33	
conjunction	-3837 Feb 09 j 17:01	21°♑25'17	-1°16'20
minimum elong	-3837 Feb 09 j 16:59	21°♑25'16	1°16'30
max. Earth dist.	-3837 Feb 11 j 10:28	21°♑49'57	6.00728 AU
morning rise	-3837 Feb 23 j 05:16	24°♑37'41	
	-3837 Mar 18 j 11:47	0°♒	
retrograde	-3837 Jul 05 j 01:51	14°♒54'17	
opposition	-3837 Sep 02 j 20:01	9°♒49'16	-2°02'01
min. Earth dist.	-3837 Sep 01 j 13:47	9°♒59'33	4.03051 AU
direct	-3837 Oct 30 j 19:42	4°♒52'47	
	-3836 Jan 23 j 05:11	15°♒	
evening set	-3836 Mar 04 j 12:00	24°♒08'33	
conjunction	-3836 Mar 18 j 03:22	27°♒19'23	-1°18'46
minimum elong	-3836 Mar 18 j 03:24	27°♒19'24	1°18'52
max. Earth dist.	-3836 Mar 20 j 02:21	27°♒46'48	6.06658 AU
	-3836 Mar 29 j 15:14	0°♓	
morning rise	-3836 Mar 31 j 21:02	0°♓31'08	
retrograde	-3836 Aug 08 j 06:57	20°♓06'41	
opposition	-3836 Oct 06 j 17:58	15°♓01'54	-1°42'00
min. Earth dist.	-3836 Oct 05 j 14:46	15°♓11'12	4.11610 AU
direct	-3836 Dec 04 j 10:01	10°♓02'01	
evening set	-3835 Apr 10 j 02:24	28°♓56'28	
	-3835 Apr 14 j 18:36	0°♈	
conjunction	-3835 Apr 23 j 21:04	2°♈04'07	-0°52'43
minimum elong	-3835 Apr 23 j 21:08	2°♈04'09	0°52'43
max. Earth dist.	-3835 Apr 25 j 09:43	2°♈24'57	6.17133 AU
morning rise	-3835 May 07 j 15:40	5°♈11'33	
retrograde	-3835 Sep 10 j 13:08	23°♈46'54	
opposition	-3835 Nov 08 j 22:59	18°♈44'54	-0°48'00
min. Earth dist.	-3835 Nov 08 j 06:56	18°♈50'20	4.22853 AU
direct	-3834 Jan 07 j 19:01	13°♈42'28	
	-3834 May 05 j 09:24	0°♉	
evening set	-3834 May 15 j 06:26	2°♉09'48	
conjunction	-3834 May 28 j 22:27	5°♉11'41	-0°10'01
minimum elong	-3834 May 28 j 22:29	5°♉11'42	0°09'56
behind sun begin	-3834 May 28 j 15:49	5°♉08'01	
behind sun end	-3834 May 29 j 05:08	5°♉15'23	
max. Earth dist.	-3834 May 29 j 10:22	5°♉18'18	6.28323 AU
morning rise	-3834 Jun 11 j 12:47	8°♉12'30	
	-3834 Jul 13 j 11:04	15°♉	
asc. node	-3834 Aug 23 j 12:27	22°♉09'38	
retrograde	-3834 Oct 12 j 04:39	25°♉53'19	
opposition	-3834 Dec 10 j 19:35	20°♉55'11	0°18'20
min. Earth dist.	-3834 Dec 10 j 19:38	20°♉55'10	4.33010 AU
direct	-3833 Feb 09 j 23:24	15°♉51'31	
	-3833 May 30 j 08:21	0°♊	
evening set	-3833 Jun 17 j 18:01	3°♊56'17	
conjunction	-3833 Jul 01 j 02:51	6°♊51'42	0°34'28
minimum elong	-3833 Jul 01 j 02:49	6°♊51'41	0°34'36
max. Earth dist.	-3833 Jun 30 j 15:01	6°♊45'13	6.36707 AU
morning rise	-3833 Jul 14 j 08:23	9°♊45'29	
retrograde	-3833 Nov 11 j 23:46	26°♊52'21	
opposition	-3832 Jan 10 j 23:59	21°♊57'53	1°17'00
min. Earth dist.	-3832 Jan 11 j 15:05	21°♊52'58	4.39114 AU
direct	-3832 Mar 13 j 04:05	16°♊54'31	
	-3832 Jun 26 j 07:05	0°♋	
evening set	-3832 Jul 18 j 19:37	4°♋46'58	
max. Earth dist.	-3832 Jul 30 j 09:51	7°♋19'00	6.39972 AU
conjunction	-3832 Jul 31 j 18:59	7°♋37'10	1°08'07
minimum elong	-3832 Jul 31 j 18:56	7°♋37'08	1°08'17
morning rise	-3832 Aug 13 j 15:15	10°♋25'48	
retrograde	-3832 Dec 11 j 21:42	27°♋24'46	
opposition	-3831 Feb 10 j 07:40	22°♋32'41	1°53'28

Attention, astronomical year style is used: The year -3831 in astronomical counting style is the year 3832 BCE in historical counting style.

min. Earth dist.	-3831 Feb 11 j 11:17	22°♋23'49	4.39494 AU	
direct	-3831 Apr 14 j 00:16	17°♋30'46		
	-3831 Jul 24 j 19:54	0°♌		
evening set	-3831 Aug 18 j 23:53	5°♌22'48		
max. Earth dist.	-3831 Aug 29 j 21:29	7°♌47'20	6.37316 AU	
conjunction	-3831 Aug 31 j 15:52	8°♌10'50	1°22'36	
minimum elong	-3831 Aug 31 j 15:51	8°♌10'50	1°22'43	
morning rise	-3831 Sep 13 j 05:14	10°♌57'44		
	-3831 Oct 01 j 20:14	15°♌		
retrograde	-3830 Jan 12 j 15:05	28°♌14'44		
opposition	-3830 Mar 14 j 11:47	23°♌23'14	1°58'39	
min. Earth dist.	-3830 Mar 15 j 18:37	23°♌13'25	4.34054 AU	
direct	-3830 May 15 j 22:31	18°♌23'48		
	-3830 Aug 20 j 06:39	0°♍		
evening set	-3830 Sep 19 j 01:00	6°♍26'41		
max. Earth dist.	-3830 Sep 29 j 20:49	8°♍53'17	6.29470 AU	
conjunction	-3830 Oct 01 j 13:38	9°♍16'25	1°13'39	
minimum elong	-3830 Oct 01 j 13:41	9°♍16'26	1°13'43	
morning rise	-3830 Oct 14 j 01:12	12°♍05'46		
	-3829 Feb 09 j 04:42	0°♎		
retrograde	-3829 Feb 15 j 00:29	0°♎03'11		
	-3829 Feb 20 j 20:13	30°℞♍		
opposition	-3829 Apr 17 j 01:44	25°♍10'28	1°28'58	
min. Earth dist.	-3829 Apr 18 j 04:29	25°♍01'57	4.24237 AU	
direct	-3829 Jun 17 j 17:15	20°♍13'53		
	-3829 Sep 11 j 05:55	0°♎		
evening set	-3829 Oct 20 j 18:26	8°♎36'48		
max. Earth dist.	-3829 Nov 01 j 04:48	11°♎15'30	6.18561 AU	
conjunction	-3829 Nov 02 j 08:43	11°♎31'42	0°42'06	
minimum elong	-3829 Nov 02 j 08:46	11°♎31'44	0°42'04	
morning rise	-3829 Nov 14 j 23:38	14°♎27'09		
	-3828 Feb 02 j 18:29	0°♏		
retrograde	-3828 Mar 21 j 05:05	3°♏19'40		
	-3828 May 08 j 15:12	30°℞♎		
opposition	-3828 May 21 j 06:36	28°♎24'05	0°29'10	
min. Earth dist.	-3828 May 21 j 17:55	28°♎20'26	4.12942 AU	
direct	-3828 Jul 20 j 13:39	23°♎30'02		
	-3828 Sep 25 j 06:56	0°♏		
desc. node	-3828 Oct 29 j 18:38	6°♏58'37		
evening set	-3828 Nov 21 j 22:33	12°♏17'48		
	-3828 Dec 03 j 09:08	15°♏		
conjunction	-3828 Dec 04 j 18:06	15°♏19'32	-0°04'30	
minimum elong	-3828 Dec 04 j 18:06	15°♏19'32	0°04'37	
behind sun begin	-3828 Dec 04 j 10:12	15°♏14'52		
behind sun end	-3828 Dec 05 j 02:00	15°♏24'12		
max. Earth dist.	-3828 Dec 04 j 14:21	15°♏17'21	6.07963 AU	
morning rise	-3828 Dec 17 j 15:49	18°♏22'37		
	-3827 Feb 09 j 03:19	0°♐		
retrograde	-3827 Apr 27 j 02:15	8°♐09'53		
opposition	-3827 Jun 26 j 18:40	3°♐10'24	-0°43'50	
min. Earth dist.	-3827 Jun 26 j 11:54	3°♐12'37	4.03952 AU	
	-3827 Jul 23 j 03:06	30°℞♏		
direct	-3827 Aug 24 j 18:40	28°♏17'24		
	-3827 Sep 26 j 01:45	0°♐		
evening set	-3827 Dec 26 j 23:28	17°♐27'33		
conjunction	-3826 Jan 09 j 02:05	20°♐35'16	-0°50'46	
minimum elong	-3826 Jan 09 j 02:01	20°♐35'13	0°50'54	
max. Earth dist.	-3826 Jan 10 j 01:07	20°♐49'02	6.01387 AU	
morning rise	-3826 Jan 22 j 07:55	23°♐44'44		
	-3826 Feb 18 j 10:19	0°♑		
retrograde	-3826 Jun 03 j 11:03	14°♑04'05		
opposition	-3826 Aug 02 j 16:01	9°♑00'55	-1°42'28	
min. Earth dist.	-3826 Aug 01 j 16:27	9°♑08'50	4.00623 AU	
direct	-3826 Sep 29 j 18:17	4°♑06'50		
evening set	-3825 Feb 01 j 13:48	23°♑27'18		
conjunction	-3825 Feb 14 j 23:39	26°♑38'05	-1°18'35	
minimum elong	-3825 Feb 14 j 23:38	26°♑38'04	1°18'43	
max. Earth dist.	-3825 Feb 16 j 18:01	27°♑03'14	6.01461 AU	
morning rise	-3825 Feb 28 j 12:48	29°♑50'27		
	-3825 Mar 01 j 05:02	0°♒		
	-3825 May 12 j 20:50	15°♒		
retrograde	-3825 Jul 10 j 02:37	20°♒02'10		
opposition	-3825 Sep 07 j 20:10	14°♒56'58	-2°01'51	
min. Earth dist.	-3825 Sep 06 j 13:58	15°♒07'16	4.04226 AU	
	-3825 Sep 07 j 11:16	15°℞♒		
direct	-3825 Nov 04 j 22:02	9°♒59'58		
	-3825 Dec 31 j 16:34	15°♒		
evening set	-3824 Mar 09 j 16:18	29°♒12'29		
	-3824 Mar 13 j 02:23	0°♓		
conjunction	-3824 Mar 23 j 08:30	2°♓22'57	-1°16'39	
minimum elong	-3824 Mar 23 j 08:33	2°♓22'58	1°16'43	
max. Earth dist.	-3824 Mar 25 j 08:06	2°♓50'37	6.08177 AU	
morning rise	-3824 Apr 06 j 02:25	5°♓34'09		
retrograde	-3824 Aug 13 j 01:30	25°♓00'59		
min. Earth dist.	-3824 Oct 10 j 09:48	20°♓05'20	4.13308 AU	
opposition	-3824 Oct 11 j 11:41	19°♓56'30	-1°36'00	
direct	-3824 Dec 09 j 06:49	14°♓56'14		
	-3823 Mar 29 j 02:45	0°♈		
evening set	-3823 Apr 15 j 02:19	3°♈46'20		
conjunction	-3823 Apr 28 j 20:47	6°♈53'12	-0°47'24	
minimum elong	-3823 Apr 28 j 20:50	6°♈53'14	0°47'24	
max. Earth dist.	-3823 Apr 30 j 05:02	7°♈11'27	6.18872 AU	
morning rise	-3823 May 12 j 15:14	9°♈59'46		
retrograde	-3823 Sep 14 j 23:51	28°♈26'25		
opposition	-3823 Nov 13 j 10:52	23°♈24'55	-0°38'59	
min. Earth dist.	-3823 Nov 12 j 21:06	23°♈29'34	4.24479 AU	
direct	-3822 Jan 12 j 11:35	18°♈22'12		
	-3822 Apr 18 j 05:23	0°♉		
evening set	-3822 May 20 j 00:27	6°♉45'53		
conjunction	-3822 Jun 02 j 15:51	9°♉46'54	-0°03'38	
minimum elong	-3822 Jun 02 j 15:52	9°♉46'54	0°03'32	
behind sun begin	-3822 Jun 02 j 07:39	9°♉42'22		
behind sun end	-3822 Jun 03 j 00:05	9°♉51'26		
max. Earth dist.	-3822 Jun 03 j 01:02	9°♉51'57	6.29738 AU	
morning rise	-3822 Jun 16 j 05:01	12°♉46'40		
	-3822 Jun 26 j 09:27	15°♉		
asc. node	-3822 Jul 03 j 16:51	16°♉33'58		
	-3822 Oct 01 j 16:23	0°♊		
retrograde	-3822 Oct 16 j 12:16	0°♊21'26		
	-3822 Oct 31 j 06:35	30°℞♉		
opposition	-3822 Dec 15 j 04:08	25°♉23'55	0°27'21	
min. Earth dist.	-3822 Dec 15 j 06:22	25°♉23'10	4.34112 AU	
direct	-3821 Feb 14 j 11:49	20°♉20'15		
	-3821 May 12 j 16:26	0°♊		
evening set	-3821 Jun 22 j 06:57	8°♊22'55		
conjunction	-3821 Jul 05 j 14:25	11°♊17'33	0°40'02	
minimum elong	-3821 Jul 05 j 14:22	11°♊17'31	0°40'11	
max. Earth dist.	-3821 Jul 04 j 21:38	11°♊08'21	6.37394 AU	
morning rise	-3821 Jul 18 j 18:50	14°♊10'34		
	-3821 Oct 19 j 00:54	0°♋		
retrograde	-3821 Nov 16 j 07:20	1°♋15'15		
	-3821 Dec 14 j 13:17	30°℞♊		
opposition	-3820 Jan 15 j 08:19	26°♊21'13	1°23'40	
min. Earth dist.	-3820 Jan 16 j 02:05	26°♊15'26	4.39375 AU	

Attention, astronomical year style is used: The year -3820 in astronomical counting style is the year 3821 BCE in historical counting style.

direct	-3820 Mar 17 j 15:22	21°♊17'57	
	-3820 Jun 08 j 07:05	0°♋	
evening set	-3820 Jul 23 j 05:03	9°♋10'18	
max. Earth dist.	-3820 Aug 03 j 17:24	11°♋41'26	6.39774 AU
conjunction	-3820 Aug 05 j 03:25	12°♋00'06	1°11'26
minimum elong	-3820 Aug 05 j 03:22	12°♋00'05	1°11'35
morning rise	-3820 Aug 17 j 22:22	14°♋48'20	
	-3820 Nov 11 j 19:59	0°♌	
retrograde	-3820 Dec 16 j 05:59	1°♌49'00	
	-3819 Jan 19 j 22:35	30°℞♋	
opposition	-3819 Feb 14 j 18:14	26°♋57'09	1°56'14
min. Earth dist.	-3819 Feb 15 j 22:06	26°♋48'14	4.38881 AU
direct	-3819 Apr 18 j 10:04	21°♋55'38	
	-3819 Jul 06 j 10:18	0°♌	
evening set	-3819 Aug 23 j 08:39	9°♌49'19	
max. Earth dist.	-3819 Sep 03 j 04:16	12°♌13'14	6.36328 AU
conjunction	-3819 Sep 04 j 23:47	12°♌37'26	1°22'46
minimum elong	-3819 Sep 04 j 23:47	12°♌37'26	1°22'54
	-3819 Sep 15 j 16:22	15°♌	
morning rise	-3819 Sep 17 j 12:43	15°♌24'32	
	-3819 Dec 05 j 02:42	0°♍	
retrograde	-3818 Jan 17 j 06:39	2°♍46'33	
	-3818 Mar 02 j 03:53	30°℞♌	
opposition	-3818 Mar 19 j 03:10	27°♌55'04	1°56'33
min. Earth dist.	-3818 Mar 20 j 10:40	27°♌45'03	4.32765 AU
direct	-3818 May 20 j 12:54	22°♌56'03	
	-3818 Jul 31 j 22:42	0°♍	
evening set	-3818 Sep 23 j 11:07	11°♍01'46	
max. Earth dist.	-3818 Oct 04 j 08:36	13°♍29'49	6.28003 AU
conjunction	-3818 Oct 05 j 23:51	13°♍52'06	1°10'28
minimum elong	-3818 Oct 05 j 23:53	13°♍52'08	1°10'30
morning rise	-3818 Oct 18 j 11:35	16°♍42'11	
	-3818 Dec 24 j 04:41	0°♎	
retrograde	-3817 Feb 19 j 20:02	4°♎46'48	
opposition	-3817 Apr 21 j 22:42	29°♍53'48	1°22'05
	-3817 Apr 21 j 03:15	30°℞♍	
min. Earth dist.	-3817 Apr 22 j 22:33	29°♍46'12	4.22709 AU
direct	-3817 Jun 22 j 09:07	24°♍57'42	
	-3817 Aug 20 j 12:29	0°♎	
evening set	-3817 Oct 25 j 08:27	13°♎23'42	
conjunction	-3817 Nov 06 j 23:13	16°♎19'26	0°36'10
minimum elong	-3817 Nov 06 j 23:16	16°♎19'28	0°36'08
max. Earth dist.	-3817 Nov 05 j 23:05	16°♎05'23	6.17123 AU
morning rise	-3817 Nov 19 j 14:51	19°♎15'50	
	-3816 Jan 08 j 13:22	0°♏	
retrograde	-3816 Mar 26 j 08:45	8°♏15'50	
opposition	-3816 May 26 j 08:22	3°♏19'45	0°19'10
min. Earth dist.	-3816 May 26 j 17:46	3°♏16'43	4.11698 AU
	-3816 Jun 23 j 18:18	30°℞♎	
direct	-3816 Jul 25 j 11:54	28°♎25'58	
	-3816 Aug 25 j 21:08	0°♏	
desc. node	-3816 Sep 08 j 12:42	1°♏34'31	
	-3816 Nov 17 j 00:43	15°♏	
evening set	-3816 Nov 26 j 17:47	17°♏16'12	
conjunction	-3816 Dec 09 j 14:12	20°♏18'44	-0°11'23
minimum elong	-3816 Dec 09 j 14:11	20°♏18'44	0°11'30
behind sun begin	-3816 Dec 09 j 08:18	20°♏15'15	
behind sun end	-3816 Dec 09 j 20:05	20°♏22'12	
max. Earth dist.	-3816 Dec 09 j 14:20	20°♏18'49	6.07031 AU
morning rise	-3816 Dec 22 j 13:00	23°♏22'41	
	-3815 Jan 20 j 12:35	0°♐	
retrograde	-3815 May 02 j 05:49	13°♐14'50	
opposition	-3815 Jul 01 j 21:56	8°♐14'48	-0°53'30
min. Earth dist.	-3815 Jul 01 j 11:55	8°♐18'07	4.03448 AU
direct	-3815 Aug 29 j 17:25	3°♐21'49	
evening set	-3815 Dec 31 j 23:32	22°♐32'58	
conjunction	-3814 Jan 14 j 03:00	25°♐41'04	-0°56'04
minimum elong	-3814 Jan 14 j 02:56	25°♐41'02	0°56'13
max. Earth dist.	-3814 Jan 15 j 04:42	25°♐56'25	6.01322 AU
morning rise	-3814 Jan 27 j 09:51	28°♐50'59	
	-3814 Feb 01 j 06:46	0°♑	
retrograde	-3814 Jun 08 j 13:40	19°♑10'28	
opposition	-3814 Aug 07 j 17:20	14°♑06'52	-1°47'47
min. Earth dist.	-3814 Aug 06 j 16:33	14°♑15'13	4.01012 AU
direct	-3814 Oct 04 j 19:28	9°♑12'25	
evening set	-3813 Feb 06 j 15:53	28°♑31'46	
	-3813 Feb 12 j 21:25	0°♒	
conjunction	-3813 Feb 20 j 02:47	1°♒42'35	-1°20'09
minimum elong	-3813 Feb 20 j 02:46	1°♒42'35	1°20'17
max. Earth dist.	-3813 Feb 21 j 23:46	2°♒09'13	6.02254 AU
morning rise	-3813 Mar 05 j 16:34	4°♒54'52	
	-3813 Apr 20 j 05:59	15°♒	
retrograde	-3813 Jul 15 j 00:47	25°♒01'32	
min. Earth dist.	-3813 Sep 11 j 10:53	20°♒06'26	4.05346 AU
opposition	-3813 Sep 12 j 16:31	19°♒56'20	-2°00'47
	-3813 Nov 06 j 12:54	15°℞♒	
direct	-3813 Nov 09 j 19:32	14°♒58'53	
	-3813 Nov 13 j 02:21	15°♒	
	-3812 Feb 25 j 11:34	0°♓	
evening set	-3812 Mar 14 j 17:23	4°♓08'37	
conjunction	-3812 Mar 28 j 10:00	7°♓18'43	-1°14'02
minimum elong	-3812 Mar 28 j 10:03	7°♓18'45	1°14'05
max. Earth dist.	-3812 Mar 30 j 06:44	7°♓44'37	6.09506 AU
morning rise	-3812 Apr 11 j 04:26	10°♓29'29	
retrograde	-3812 Aug 17 j 15:09	29°♓48'33	
min. Earth dist.	-3812 Oct 15 j 01:26	24°♓52'48	4.14710 AU
opposition	-3812 Oct 16 j 02:09	24°♓44'22	-1°29'34
direct	-3812 Dec 14 j 00:40	19°♓43'40	
	-3811 Mar 11 j 07:16	0°♈	
evening set	-3811 Apr 19 j 23:27	8°♈30'39	
conjunction	-3811 May 03 j 17:59	11°♈36'55	-0°41'55
minimum elong	-3811 May 03 j 18:02	11°♈36'57	0°41'54
max. Earth dist.	-3811 May 04 j 23:32	11°♈53'36	6.20266 AU
morning rise	-3811 May 17 j 11:58	14°♈42'43	
	-3811 Aug 06 j 02:05	0°♉	
retrograde	-3811 Sep 19 j 11:00	3°♉02'09	
	-3811 Nov 02 j 18:24	30°℞♈	
opposition	-3811 Nov 17 j 21:16	28°♈01'13	-0°29'57
min. Earth dist.	-3811 Nov 17 j 10:08	28°♈04'58	4.25729 AU
direct	-3810 Jan 17 j 02:36	22°♈58'19	
	-3810 Mar 29 j 16:24	0°♉	
asc. node	-3810 May 14 j 08:11	9°♉03'56	
evening set	-3810 May 24 j 16:56	11°♉19'29	
conjunction	-3810 Jun 07 j 07:30	14°♉19'45	0°02'49
minimum elong	-3810 Jun 07 j 07:29	14°♉19'45	0°02'55
behind sun begin	-3810 Jun 06 j 23:14	14°♉15'12	
behind sun end	-3810 Jun 07 j 15:44	14°♉24'17	
max. Earth dist.	-3810 Jun 07 j 12:21	14°♉22'24	6.30755 AU
	-3810 Jun 10 j 08:15	15°♉	
morning rise	-3810 Jun 20 j 19:45	17°♉18'43	
	-3810 Aug 24 j 16:45	0°♊	
retrograde	-3810 Oct 20 j 19:20	4°♊48'55	
	-3810 Dec 18 j 11:59	30°℞♉	
opposition	-3810 Dec 19 j 12:31	29°♉51'53	0°36'06

Attention, astronomical year style is used: The year -3810 in astronomical counting style is the year 3811 BCE in historical counting style.

min. Earth dist.	-3810 Dec 19 j 16:44	29°♉50'30	4.34850 AU	
direct	-3809 Feb 18 j 23:30	24°♉48'10		
	-3809 Apr 21 j 11:54	0°♊		
evening set	-3809 Jun 26 j 19:26	12°♊49'41		
max. Earth dist.	-3809 Jul 09 j 07:16	15°♊33'30	6.37812 AU	
conjunction	-3809 Jul 10 j 01:46	15°♊43'38	0°45'19	
minimum elong	-3809 Jul 10 j 01:43	15°♊43'37	0°45'28	
morning rise	-3809 Jul 23 j 04:44	18°♊35'55		
	-3809 Sep 18 j 22:01	0°♋		
retrograde	-3809 Nov 20 j 14:44	5°♋39'11		
opposition	-3808 Jan 19 j 17:04	0°♋45'33	1°29'51	
min. Earth dist.	-3808 Jan 20 j 12:14	0°♋39'21	4.39468 AU	
	-3808 Jan 25 j 14:07	30℞♊		
direct	-3808 Mar 22 j 02:03	25°♊42'30		
	-3808 May 16 j 22:50	0°♋		
evening set	-3808 Jul 27 j 14:50	13°♋34'50		
max. Earth dist.	-3808 Aug 07 j 23:06	16°♋04'00	6.39518 AU	
conjunction	-3808 Aug 09 j 11:54	16°♋24'14	1°14'19	
minimum elong	-3808 Aug 09 j 11:51	16°♋24'12	1°14'27	
morning rise	-3808 Aug 22 j 05:57	19°♋12'09		
	-3808 Oct 15 j 04:48	0°♌		
retrograde	-3808 Dec 20 j 16:47	6°♌14'30		
opposition	-3807 Feb 19 j 05:45	1°♌22'46	1°58'17	
min. Earth dist.	-3807 Feb 20 j 10:46	1°♌13'29	4.38309 AU	
	-3807 Mar 02 j 03:49	30℞♋		
direct	-3807 Apr 22 j 22:09	26°♋21'29		
	-3807 Jun 12 j 23:34	0°♌		
evening set	-3807 Aug 27 j 17:02	14°♌16'07		
	-3807 Aug 31 j 00:18	15°♌		
max. Earth dist.	-3807 Sep 07 j 13:38	16°♌40'52	6.35475 AU	
conjunction	-3807 Sep 09 j 07:41	17°♌04'19	1°22'28	
minimum elong	-3807 Sep 09 j 07:41	17°♌04'19	1°22'35	
morning rise	-3807 Sep 21 j 19:59	19°♌51'32		
	-3807 Nov 10 j 03:19	0°♍		
retrograde	-3806 Jan 21 j 19:49	7°♍17'56		
opposition	-3806 Mar 23 j 18:36	2°♍26'18	1°53'44	
min. Earth dist.	-3806 Mar 25 j 00:50	2°♍16'42	4.31671 AU	
	-3806 Apr 12 j 20:03	30℞♌		
direct	-3806 May 25 j 01:26	27°♌27'41		
	-3806 Jul 05 j 20:11	0°♍		
evening set	-3806 Sep 27 j 20:47	15°♍35'11		
max. Earth dist.	-3806 Oct 08 j 19:08	18°♍04'13	6.26743 AU	
conjunction	-3806 Oct 10 j 09:21	18°♍26'00	1°06'51	
minimum elong	-3806 Oct 10 j 09:24	18°♍26'01	1°06'52	
morning rise	-3806 Oct 22 j 21:24	21°♍16'42		
	-3806 Dec 02 j 11:56	0°♎		
retrograde	-3805 Feb 24 j 16:51	9°♎27'48		
opposition	-3805 Apr 26 j 18:52	4°♎34'25	1°14'41	
min. Earth dist.	-3805 Apr 27 j 17:51	4°♎27'05	4.21326 AU	
	-3805 Jun 11 j 23:48	30℞♍		
direct	-3805 Jun 27 j 02:21	29°♍38'37		
	-3805 Jul 12 j 03:33	0°♎		
evening set	-3805 Oct 29 j 21:29	18°♎07'16		
conjunction	-3805 Nov 11 j 12:57	21°♎03'52	0°30'03	
minimum elong	-3805 Nov 11 j 12:59	21°♎03'53	0°30'00	
max. Earth dist.	-3805 Nov 10 j 15:49	20°♎51'32	6.15745 AU	
morning rise	-3805 Nov 24 j 05:22	24°♎01'12		
	-3805 Dec 20 j 17:22	0°♏		
retrograde	-3804 Mar 31 j 08:53	13°♏08'24		
opposition	-3804 May 31 j 08:39	8°♏11'49	0°09'04	
min. Earth dist.	-3804 May 31 j 15:12	8°♏09'41	4.10431 AU	
desc. node	-3804 Jul 19 j 18:13	3°♏29'08		
direct	-3804 Jul 30 j 06:54	3°♏18'16		
	-3804 Oct 30 j 21:47	15°♏		
evening set	-3804 Dec 01 j 12:21	22°♏11'26		
conjunction	-3804 Dec 14 j 09:34	25°♏14'47	-0°18'10	
minimum elong	-3804 Dec 14 j 09:32	25°♏14'46	0°18'17	
max. Earth dist.	-3804 Dec 14 j 12:26	25°♏16'29	6.05978 AU	
morning rise	-3804 Dec 27 j 09:29	28°♏19'41		
	-3803 Jan 03 j 12:26	0°♐		
retrograde	-3803 May 07 j 09:41	18°♐17'28		
opposition	-3803 Jul 07 j 00:26	13°♐16'52	-1°02'46	
min. Earth dist.	-3803 Jul 06 j 12:18	13°♐20'53	4.02709 AU	
direct	-3803 Sep 03 j 17:23	8°♐23'46		
evening set	-3802 Jan 05 j 23:43	27°♐37'08		
	-3802 Jan 15 j 23:32	0°♑		
conjunction	-3802 Jan 19 j 04:21	0°♑45'52	-1°00'58	
minimum elong	-3802 Jan 19 j 04:17	0°♑45'50	1°01'08	
max. Earth dist.	-3802 Jan 20 j 10:11	1°♑03'42	6.00960 AU	
morning rise	-3802 Feb 01 j 12:08	3°♑56'21		
retrograde	-3802 Jun 13 j 17:55	24°♑16'59		
opposition	-3802 Aug 12 j 18:42	19°♑13'05	-1°52'21	
min. Earth dist.	-3802 Aug 11 j 17:12	19°♑21'41	4.01089 AU	
direct	-3802 Oct 09 j 19:33	14°♑18'18		
	-3801 Jan 27 j 04:08	0°♒		
evening set	-3801 Feb 11 j 19:42	3°♒38'04		
conjunction	-3801 Feb 25 j 07:24	6°♒49'03	-1°21'08	
minimum elong	-3801 Feb 25 j 07:24	6°♒49'03	1°21'16	
max. Earth dist.	-3801 Feb 27 j 03:57	7°♒15'22	6.02729 AU	
morning rise	-3801 Mar 10 j 22:13	10°♒01'30		
	-3801 Apr 01 j 14:13	15°♒		
	-3801 Jul 13 j 12:08	0°♓		
retrograde	-3801 Jul 19 j 22:25	0°♓04'09		
	-3801 Jul 26 j 08:59	30℞♒		
min. Earth dist.	-3801 Sep 16 j 07:54	25°♒09'11	4.06169 AU	
opposition	-3801 Sep 17 j 13:58	24°♒58'55	-1°58'51	
direct	-3801 Nov 14 j 17:49	20°♒01'01		
	-3800 Feb 07 j 01:08	0°♓		
evening set	-3800 Mar 19 j 20:39	9°♓09'13		
conjunction	-3800 Apr 02 j 14:00	12°♓19'08	-1°10'49	
minimum elong	-3800 Apr 02 j 14:03	12°♓19'10	1°10'52	
max. Earth dist.	-3800 Apr 04 j 09:50	12°♓44'28	6.10618 AU	
morning rise	-3800 Apr 16 j 08:38	15°♓29'31		
	-3800 Jun 27 j 10:54	0°♈		
retrograde	-3800 Aug 22 j 10:01	4°♈41'35		
	-3800 Oct 18 j 01:55	30℞♓		
opposition	-3800 Oct 20 j 19:09	29°♓37'48	-1°22'23	
min. Earth dist.	-3800 Oct 19 j 20:35	29°♓45'29	4.15972 AU	
direct	-3800 Dec 18 j 21:52	24°♓36'47		
	-3799 Feb 17 j 10:58	0°♈		
evening set	-3799 Apr 24 j 23:19	13°♈21'04		
conjunction	-3799 May 08 j 17:41	16°♈26'44	-0°36'01	
minimum elong	-3799 May 08 j 17:44	16°♈26'46	0°35'58	
max. Earth dist.	-3799 May 09 j 20:35	16°♈41'53	6.21596 AU	
morning rise	-3799 May 22 j 11:16	19°♈31'48		
	-3799 Jul 11 j 20:19	0°♉		
retrograde	-3799 Sep 23 j 22:35	7°♉44'12		
opposition	-3799 Nov 22 j 10:06	2°♉43'50	-0°20'30	
min. Earth dist.	-3799 Nov 21 j 23:57	2°♉47'14	4.27033 AU	
	-3799 Dec 13 j 23:17	30℞♈		
direct	-3798 Jan 21 j 18:48	27°♈40'48		
	-3798 Mar 02 j 02:47	0°♉		
asc. node	-3798 Mar 23 j 10:34	2°♉52'32		
	-3798 May 24 j 23:30	15°♉		

Attention, astronomical year style is used: The year -3798 in astronomical counting style is the year 3799 BCE in historical counting style.

evening set	-3798 May 29 j 12:01	15°♉59'16	
conjunction	-3798 Jun 12 j 01:35	18°♉58'39	0°09'16
minimum elong	-3798 Jun 12 j 01:34	18°♉58'38	0°09'22
behind sun begin	-3798 Jun 11 j 18:43	18°♉54'52	
behind sun end	-3798 Jun 12 j 08:25	19°♉02'24	
max. Earth dist.	-3798 Jun 12 j 03:36	18°♉59'45	6.31977 AU
morning rise	-3798 Jun 25 j 12:40	21°♉56'37	
	-3798 Aug 03 j 02:24	0°♊	
retrograde	-3798 Oct 25 j 05:52	9°♊21'33	
opposition	-3798 Dec 23 j 23:05	4°♊25'07	0°44'48
min. Earth dist.	-3798 Dec 24 j 05:31	4°♊23'00	4.35926 AU
	-3797 Feb 03 j 04:14	30°℞♉	
direct	-3797 Feb 23 j 14:27	29°♉21'30	
	-3797 Mar 16 j 04:18	0°♊	
evening set	-3797 Jul 01 j 09:10	17°♊20'28	
conjunction	-3797 Jul 14 j 14:08	20°♊13'32	0°50'25
minimum elong	-3797 Jul 14 j 14:05	20°♊13'30	0°50'35
max. Earth dist.	-3797 Jul 13 j 17:02	20°♊01'59	6.38661 AU
morning rise	-3797 Jul 27 j 15:47	23°♊04'55	
	-3797 Aug 29 j 17:17	0°♋	
retrograde	-3797 Nov 24 j 22:26	10°♋05'28	
opposition	-3796 Jan 24 j 02:57	5°♋12'10	1°35'31
min. Earth dist.	-3796 Jan 24 j 23:04	5°♋05'39	4.40071 AU
direct	-3796 Mar 26 j 13:39	0°♋09'18	
evening set	-3796 Aug 01 j 00:00	17°♋59'42	
max. Earth dist.	-3796 Aug 12 j 07:26	20°♋28'24	6.39824 AU
conjunction	-3796 Aug 13 j 19:56	20°♋48'28	1°16'46
minimum elong	-3796 Aug 13 j 19:53	20°♋48'27	1°16'55
morning rise	-3796 Aug 26 j 12:42	23°♋35'46	
	-3796 Sep 25 j 20:32	0°♌	
retrograde	-3796 Dec 25 j 01:03	10°♌38'10	
opposition	-3795 Feb 23 j 16:23	5°♌46'34	1°59'35
min. Earth dist.	-3795 Feb 24 j 21:52	5°♌37'10	4.38301 AU
direct	-3795 Apr 27 j 09:07	0°♌45'39	
	-3795 Aug 15 j 04:37	15°♌	
evening set	-3795 Aug 31 j 23:40	18°♌39'20	
max. Earth dist.	-3795 Sep 11 j 17:59	21°♌03'03	6.35133 AU
conjunction	-3795 Sep 13 j 13:29	21°♌27'20	1°21'40
minimum elong	-3795 Sep 13 j 13:30	21°♌27'21	1°21'46
morning rise	-3795 Sep 26 j 01:29	24°♌14'32	
	-3795 Oct 22 j 17:52	0°♍	
retrograde	-3794 Jan 26 j 08:03	11°♍43'53	
opposition	-3794 Mar 28 j 07:37	6°♍52'04	1°50'14
min. Earth dist.	-3794 Mar 29 j 13:55	6°♍42'26	4.30997 AU
direct	-3794 May 29 j 12:54	1°♍53'44	
evening set	-3794 Oct 02 j 03:07	20°♍01'48	
max. Earth dist.	-3794 Oct 13 j 03:37	22°♍32'19	6.25800 AU
conjunction	-3794 Oct 14 j 15:54	22°♍53'03	1°02'55
minimum elong	-3794 Oct 14 j 15:57	22°♍53'04	1°02'57
morning rise	-3794 Oct 27 j 04:05	25°♍44'15	
	-3794 Nov 15 j 06:35	0°♎	
retrograde	-3793 Mar 01 j 08:32	14°♎00'56	
opposition	-3793 May 01 j 11:26	9°♎07'12	1°07'02
min. Earth dist.	-3793 May 02 j 09:01	9°♎00'19	4.20157 AU
direct	-3793 Jul 01 j 14:47	4°♎11'44	
evening set	-3793 Nov 03 j 07:01	22°♎42'35	
conjunction	-3793 Nov 15 j 22:56	25°♎39'57	0°23'56
minimum elong	-3793 Nov 15 j 22:57	25°♎39'58	0°23'52
max. Earth dist.	-3793 Nov 15 j 02:44	25°♎28'08	6.14451 AU
morning rise	-3793 Nov 28 j 16:17	28°♎38'14	
	-3793 Dec 04 j 13:32	0°♏	
	-3792 Feb 21 j 08:17	15°♏	
retrograde	-3792 Apr 05 j 06:00	17°♏52'42	
	-3792 May 19 j 16:39	15°℞♏	
desc. node	-3792 Jun 01 j 01:12	13°♏27'56	
opposition	-3792 Jun 05 j 05:05	12°♏55'34	-0°00'46
min. Earth dist.	-3792 Jun 05 j 09:56	12°♏53'59	4.09097 AU
direct	-3792 Aug 03 j 23:32	8°♏02'06	
	-3792 Oct 11 j 18:02	15°♏	
evening set	-3792 Dec 06 j 03:44	26°♏58'54	
	-3792 Dec 18 j 20:38	0°♐	
conjunction	-3792 Dec 19 j 02:04	0°♐03'14	-0°24'35
minimum elong	-3792 Dec 19 j 02:02	0°♐03'12	0°24'42
max. Earth dist.	-3792 Dec 19 j 08:39	0°♐07'08	6.04743 AU
morning rise	-3791 Jan 01 j 02:58	3°♐09'08	
retrograde	-3791 May 12 j 12:09	23°♐13'12	
opposition	-3791 Jul 11 j 23:33	18°♐12'10	-1°11'18
min. Earth dist.	-3791 Jul 11 j 10:14	18°♐16'35	4.01717 AU
direct	-3791 Sep 08 j 13:02	13°♐18'56	
	-3791 Dec 30 j 21:25	0°♑	
evening set	-3790 Jan 10 j 22:01	2°♑35'54	
conjunction	-3790 Jan 24 j 03:35	5°♑45'23	-1°05'16
minimum elong	-3790 Jan 24 j 03:32	5°♑45'21	1°05'25
max. Earth dist.	-3790 Jan 25 j 10:25	6°♑03'48	6.00283 AU
morning rise	-3790 Feb 06 j 12:41	8°♑56'41	
retrograde	-3790 Jun 18 j 18:22	29°♑19'38	
opposition	-3790 Aug 17 j 18:02	24°♑15'23	-1°55'56
min. Earth dist.	-3790 Aug 16 j 14:42	24°♑24'38	4.00831 AU
direct	-3790 Oct 14 j 16:41	19°♑20'14	
	-3789 Jan 09 j 06:10	0°♒	
evening set	-3789 Feb 16 j 22:24	8°♒41'43	
conjunction	-3789 Mar 02 j 11:17	11°♒53'07	-1°21'26
minimum elong	-3789 Mar 02 j 11:17	11°♒53'07	1°21'33
max. Earth dist.	-3789 Mar 04 j 09:48	12°♒20'35	6.02921 AU
	-3789 Mar 15 j 16:54	15°♒	
morning rise	-3789 Mar 16 j 02:50	15°♒05'48	
	-3789 May 27 j 10:24	0°♓	
retrograde	-3789 Jul 24 j 22:07	5°♓05'20	
min. Earth dist.	-3789 Sep 21 j 05:49	0°♓10'04	4.06782 AU
opposition	-3789 Sep 22 j 10:56	0°♓00'06	-1°56'00
	-3789 Sep 22 j 11:15	30°℞♒	
direct	-3789 Nov 19 j 17:22	25°♒01'44	
	-3788 Jan 15 j 14:57	0°♓	
evening set	-3788 Mar 24 j 23:50	14°♓08'53	
conjunction	-3788 Apr 07 j 17:44	17°♓18'37	-1°07'04
minimum elong	-3788 Apr 07 j 17:48	17°♓18'39	1°07'06
max. Earth dist.	-3788 Apr 09 j 13:14	17°♓43'40	6.11610 AU
morning rise	-3788 Apr 21 j 12:43	20°♓28'41	
	-3788 Jun 04 j 15:35	0°♈	
retrograde	-3788 Aug 27 j 02:07	9°♈33'40	
opposition	-3788 Oct 25 j 11:36	4°♈30'11	-1°14'36
min. Earth dist.	-3788 Oct 24 j 13:06	4°♈37'51	4.17228 AU
	-3788 Dec 06 j 01:05	30°℞♓	
direct	-3788 Dec 23 j 17:05	29°♓28'46	
	-3787 Jan 10 j 14:28	0°♈	
evening set	-3787 Apr 29 j 22:54	18°♈10'03	
conjunction	-3787 May 13 j 16:54	21°♈14'58	-0°29'51
minimum elong	-3787 May 13 j 16:56	21°♈15'00	0°29'47
max. Earth dist.	-3787 May 14 j 16:33	21°♈28'15	6.23021 AU
morning rise	-3787 May 27 j 09:57	24°♈19'10	
	-3787 Jun 22 j 14:36	0°♉	
retrograde	-3787 Sep 28 j 11:36	12°♉24'00	
opposition	-3787 Nov 26 j 22:37	7°♉24'05	-0°10'56

Attention, astronomical year style is used: The year -3787 in astronomical counting style is the year 3788 BCE in historical counting style.

min. Earth dist.	-3787 Nov 26 j 15:08	7°♉26'35	4.28457 AU
direct	-3786 Jan 26 j 12:46	2°♉20'48	
asc. node	-3786 Jan 30 j 11:23	2°♉22'18	
	-3786 May 07 j 23:23	15°♉	
evening set	-3786 Jun 03 j 05:35	20°♉35'41	
conjunction	-3786 Jun 16 j 18:12	23°♉34'06	0°15'37
minimum elong	-3786 Jun 16 j 18:11	23°♉34'05	0°15'45
behind sun begin	-3786 Jun 16 j 17:24	23°♉33'39	
behind sun end	-3786 Jun 16 j 18:59	23°♉34'31	
max. Earth dist.	-3786 Jun 16 j 17:58	23°♉33'58	6.33261 AU
morning rise	-3786 Jun 30 j 04:00	26°♉31'02	
	-3786 Jul 16 j 07:32	0°♊	
retrograde	-3786 Oct 29 j 12:50	13°♊50'35	
opposition	-3786 Dec 28 j 08:42	8°♊54'34	0°53'11
min. Earth dist.	-3786 Dec 28 j 16:18	8°♊52'04	4.36958 AU
direct	-3785 Feb 28 j 02:36	3°♊50'56	
evening set	-3785 Jul 05 j 21:28	21°♊47'25	
max. Earth dist.	-3785 Jul 18 j 01:10	24°♊26'34	6.39334 AU
conjunction	-3785 Jul 19 j 01:00	24°♊39'37	0°55'14
minimum elong	-3785 Jul 19 j 00:57	24°♊39'36	0°55'22
morning rise	-3785 Aug 01 j 01:17	27°♊30'10	
	-3785 Aug 12 j 15:27	0°♋	
retrograde	-3785 Nov 29 j 06:53	14°♋28'50	
opposition	-3784 Jan 28 j 12:14	9°♋35'54	1°40'42
min. Earth dist.	-3784 Jan 29 j 10:46	9°♋28'38	4.40334 AU
direct	-3784 Mar 31 j 01:38	4°♋33'15	
evening set	-3784 Aug 05 j 08:39	22°♋22'55	
max. Earth dist.	-3784 Aug 16 j 12:26	24°♋49'49	6.39623 AU
conjunction	-3784 Aug 18 j 03:29	25°♋11'18	1°18'50
minimum elong	-3784 Aug 18 j 03:27	25°♋11'17	1°18'59
morning rise	-3784 Aug 30 j 19:23	27°♋58'19	
	-3784 Sep 09 j 03:19	0°♌	
	-3784 Dec 24 j 02:53	15°♌	
retrograde	-3784 Dec 29 j 11:15	15°♌02'43	
	-3783 Jan 03 j 19:23	15°℞♌	
opposition	-3783 Feb 28 j 03:56	10°♌11'11	2°00'21
min. Earth dist.	-3783 Mar 01 j 09:53	10°♌01'38	4.37659 AU
direct	-3783 May 01 j 19:31	5°♌10'33	
	-3783 Jul 28 j 21:07	15°♌	
evening set	-3783 Sep 05 j 07:16	23°♌05'30	
max. Earth dist.	-3783 Sep 16 j 02:24	25°♌30'01	6.34098 AU
conjunction	-3783 Sep 17 j 20:45	25°♌53'44	1°20'26
minimum elong	-3783 Sep 17 j 20:46	25°♌53'44	1°20'31
morning rise	-3783 Sep 30 j 08:19	28°♌41'13	
	-3783 Oct 06 j 06:30	0°♍	
retrograde	-3782 Jan 30 j 23:26	16°♍16'06	
opposition	-3782 Apr 01 j 23:42	11°♍24'11	1°46'07
min. Earth dist.	-3782 Apr 03 j 05:46	11°♍14'38	4.29617 AU
direct	-3782 Jun 03 j 02:05	6°♍26'19	
evening set	-3782 Oct 06 j 13:10	24°♍37'21	
max. Earth dist.	-3782 Oct 17 j 13:48	27°♍08'33	6.24191 AU
conjunction	-3782 Oct 19 j 02:02	27°♍29'19	0°58'30
minimum elong	-3782 Oct 19 j 02:05	27°♍29'21	0°58'31
	-3782 Oct 30 j 01:15	0°♎	
morning rise	-3782 Oct 31 j 14:51	0°♎21'26	
retrograde	-3781 Mar 06 j 06:29	18°♎46'16	
opposition	-3781 May 06 j 09:09	13°♎52'09	0°58'38
min. Earth dist.	-3781 May 07 j 04:43	13°♎45'53	4.18415 AU
direct	-3781 Jul 06 j 07:59	8°♎57'02	
evening set	-3781 Nov 07 j 22:16	27°♎32'08	
	-3781 Nov 18 j 11:00	0°♏	

conjunction	-3781 Nov 20 j 15:08	0°♏30'36	0°17'21
minimum elong	-3781 Nov 20 j 15:09	0°♏30'37	0°17'16
max. Earth dist.	-3781 Nov 19 j 23:14	0°♏21'17	6.12758 AU
morning rise	-3781 Dec 03 j 09:19	3°♏30'03	
	-3780 Jan 25 j 19:43	15°♏	
retrograde	-3780 Apr 10 j 10:59	22°♏53'04	
desc. node	-3780 Apr 10 j 19:47	22°♏53'04	
opposition	-3780 Jun 10 j 08:03	17°♏55'31	-0°11'11
min. Earth dist.	-3780 Jun 10 j 10:46	17°♏54'38	4.07608 AU
	-3780 Jul 04 j 11:19	15°℞♏	
direct	-3780 Aug 08 j 22:07	13°♏02'18	
	-3780 Sep 12 j 20:43	15°♏	
	-3780 Dec 02 j 08:44	0°♐	
evening set	-3780 Dec 11 j 02:09	2°♐03'13	
conjunction	-3780 Dec 24 j 01:20	5°♐08'30	-0°31'14
minimum elong	-3780 Dec 24 j 01:18	5°♐08'28	0°31'23
max. Earth dist.	-3780 Dec 24 j 10:27	5°♐13'56	6.03597 AU
morning rise	-3779 Jan 06 j 03:35	8°♐15'28	
retrograde	-3779 May 17 j 18:18	28°♐25'08	
min. Earth dist.	-3779 Jul 16 j 11:59	23°♐29'12	4.01076 AU
opposition	-3779 Jul 17 j 04:48	23°♐23'36	-1°19'48
direct	-3779 Sep 13 j 14:15	18°♐30'17	
	-3779 Dec 12 j 21:36	0°♑	
evening set	-3778 Jan 16 j 02:23	7°♑49'20	
conjunction	-3778 Jan 29 j 09:07	10°♑59'20	-1°09'19
minimum elong	-3778 Jan 29 j 09:04	10°♑59'18	1°09'28
max. Earth dist.	-3778 Jan 30 j 20:30	11°♑20'28	6.00220 AU
morning rise	-3778 Feb 11 j 19:05	14°♑11'03	
	-3778 Apr 29 j 17:56	0°♒	
retrograde	-3778 Jun 23 j 23:54	4°♒33'10	
	-3778 Aug 19 j 00:34	30°℞♑	
opposition	-3778 Aug 22 j 21:14	29°♑28'37	-1°58'47
min. Earth dist.	-3778 Aug 21 j 17:25	29°♑38'03	4.01389 AU
direct	-3778 Oct 19 j 20:39	24°♑33'07	
	-3778 Dec 18 j 01:23	0°♒	
evening set	-3777 Feb 22 j 04:37	13°♒53'03	
	-3777 Feb 26 j 22:51	15°♒	
conjunction	-3777 Mar 07 j 18:18	17°♒04'19	-1°21'11
minimum elong	-3777 Mar 07 j 18:19	17°♒04'19	1°21'17
max. Earth dist.	-3777 Mar 09 j 18:17	17°♒32'31	6.04038 AU
morning rise	-3777 Mar 21 j 10:36	20°♒16'46	
	-3777 May 04 j 12:29	0°♓	
retrograde	-3777 Jul 29 j 19:31	10°♓08'51	
min. Earth dist.	-3777 Sep 26 j 02:23	5°♓13'52	4.08349 AU
opposition	-3777 Sep 27 j 08:06	5°♓03'43	-1°52'17
direct	-3777 Nov 24 j 16:30	0°♓04'53	
evening set	-3776 Mar 30 j 02:35	19°♓07'34	
conjunction	-3776 Apr 12 j 20:40	22°♓16'34	-1°02'54
minimum elong	-3776 Apr 12 j 20:44	22°♓16'37	1°02'56
max. Earth dist.	-3776 Apr 14 j 13:21	22°♓39'54	6.13478 AU
morning rise	-3776 Apr 26 j 15:43	25°♓25'47	
	-3776 May 17 j 03:13	0°♈	
retrograde	-3776 Aug 31 j 16:51	14°♈20'49	
min. Earth dist.	-3776 Oct 29 j 06:08	9°♈24'29	4.19182 AU
opposition	-3776 Oct 30 j 02:03	9°♈17'42	-1°06'31
direct	-3776 Dec 28 j 13:04	4°♈15'53	
evening set	-3775 May 04 j 18:59	22°♈51'54	
conjunction	-3775 May 18 j 12:37	25°♈55'50	-0°23'42
minimum elong	-3775 May 18 j 12:39	25°♈55'51	0°23'38
max. Earth dist.	-3775 May 19 j 10:05	26°♈07'50	6.24910 AU
morning rise	-3775 Jun 01 j 04:45	28°♈58'51	
	-3775 Jun 05 j 19:20	0°♉	

Attention, astronomical year style is used: The year -3775 in astronomical counting style is the year 3776 BCE in historical counting style.

	-3775 Aug 28 j 20:43	15°♉	
retrograde	-3775 Oct 02 j 18:17	16°♉55'08	
	-3775 Nov 06 j 11:57	15°℞♉	
opposition	-3775 Dec 01 j 07:21	11°♉55'45	-0°01'40
min. Earth dist.	-3775 Dec 01 j 01:30	11°♉57'42	4.30118 AU
asc. node	-3775 Dec 11 j 05:13	10°♉37'13	
direct	-3774 Jan 31 j 01:00	6°♉52'19	
	-3774 Apr 19 j 10:54	15°♉	
evening set	-3774 Jun 07 j 19:18	25°♉03'15	
conjunction	-3774 Jun 21 j 06:38	28°♉00'38	0°21'40
minimum elong	-3774 Jun 21 j 06:36	28°♉00'37	0°21'48
max. Earth dist.	-3774 Jun 21 j 01:07	27°♉57'36	6.34555 AU
	-3774 Jun 30 j 07:57	0°♊	
morning rise	-3774 Jul 04 j 15:17	0°♊56'31	
retrograde	-3774 Nov 02 j 18:48	18°♊11'15	
opposition	-3773 Jan 01 j 14:57	13°♊15'43	1°00'59
min. Earth dist.	-3773 Jan 02 j 02:09	13°♊12'03	4.37805 AU
direct	-3773 Mar 04 j 13:15	8°♊12'04	
evening set	-3773 Jul 10 j 06:04	26°♊06'55	
max. Earth dist.	-3773 Jul 22 j 05:59	28°♊43'59	6.39642 AU
conjunction	-3773 Jul 23 j 08:30	28°♊58'29	0°59'34
minimum elong	-3773 Jul 23 j 08:27	28°♊58'27	0°59'43
	-3773 Jul 28 j 00:53	0°♋	
morning rise	-3773 Aug 05 j 07:26	1°♋48'23	
retrograde	-3773 Dec 03 j 11:41	18°♋46'43	
opposition	-3772 Feb 01 j 19:15	13°♋54'02	1°45'13
min. Earth dist.	-3772 Feb 02 j 18:48	13°♋46'27	4.40119 AU
direct	-3772 Apr 04 j 08:44	8°♋51'33	
evening set	-3772 Aug 09 j 15:13	26°♋42'07	
max. Earth dist.	-3772 Aug 20 j 16:32	29°♋08'00	6.38883 AU
conjunction	-3772 Aug 22 j 09:04	29°♋30'22	1°20'25
minimum elong	-3772 Aug 22 j 09:02	29°♋30'22	1°20'33
	-3772 Aug 24 j 14:44	0°♌	
morning rise	-3772 Sep 04 j 00:08	2°♌17'20	
	-3772 Nov 08 j 16:08	15°♌	
retrograde	-3771 Jan 02 j 22:03	19°♌25'38	
	-3771 Mar 01 j 05:47	15°℞♌	
opposition	-3771 Mar 04 j 14:59	14°♌34'11	2°00'27
min. Earth dist.	-3771 Mar 05 j 22:27	14°♌24'10	4.36447 AU
direct	-3771 May 06 j 06:04	9°♌33'54	
	-3771 Jul 08 j 08:53	15°♌	
evening set	-3771 Sep 09 j 14:52	27°♌31'53	
max. Earth dist.	-3771 Sep 20 j 08:38	29°♌56'14	6.32499 AU
	-3771 Sep 20 j 15:20	0°♍	
conjunction	-3771 Sep 22 j 04:02	0°♍20'37	1°18'43
minimum elong	-3771 Sep 22 j 04:04	0°♍20'38	1°18'48
morning rise	-3771 Oct 04 j 15:39	3°♍08'45	
retrograde	-3770 Feb 04 j 16:05	20°♍51'01	
opposition	-3770 Apr 06 j 16:52	15°♍58'51	1°41'19
min. Earth dist.	-3770 Apr 07 j 21:22	15°♍49'46	4.27744 AU
direct	-3770 Jun 07 j 15:06	11°♍01'21	
evening set	-3770 Oct 11 j 00:42	29°♍16'55	
	-3770 Oct 14 j 04:05	0°♎	
max. Earth dist.	-3770 Oct 22 j 05:32	1°♎51'09	6.22221 AU
conjunction	-3770 Oct 23 j 14:05	2°♎09'53	0°53'38
minimum elong	-3770 Oct 23 j 14:08	2°♎09'55	0°53'38
morning rise	-3770 Nov 05 j 03:23	5°♎03'05	
retrograde	-3769 Mar 11 j 07:52	23°♎37'10	
opposition	-3769 May 11 j 09:25	18°♎42'39	0°49'39
min. Earth dist.	-3769 May 12 j 03:13	18°♎36'57	4.16490 AU
direct	-3769 Jul 11 j 03:57	13°♎47'56	
	-3769 Nov 02 j 01:18	0°♏	
evening set	-3769 Nov 12 j 16:09	2°♏27'37	
conjunction	-3769 Nov 25 j 09:42	5°♏27'10	0°10'31
minimum elong	-3769 Nov 25 j 09:42	5°♏27'10	0°10'26
behind sun begin	-3769 Nov 25 j 03:21	5°♏23'27	
behind sun end	-3769 Nov 25 j 16:04	5°♏30'54	
max. Earth dist.	-3769 Nov 24 j 20:33	5°♏19'26	6.11056 AU
morning rise	-3769 Dec 08 j 05:08	8°♏27'52	
	-3768 Jan 06 j 00:14	15°♏	
desc. node	-3768 Feb 18 j 21:16	23°♏17'40	
retrograde	-3768 Apr 15 j 16:37	27°♏59'08	
opposition	-3768 Jun 15 j 13:12	23°♏00'58	-0°21'43
min. Earth dist.	-3768 Jun 15 j 11:43	23°♏01'27	4.06297 AU
direct	-3768 Aug 13 j 21:47	18°♏07'52	
	-3768 Nov 14 j 16:19	0°♐	
evening set	-3768 Dec 16 j 02:48	7°♐12'00	
conjunction	-3768 Dec 29 j 03:07	10°♐18'05	-0°37'44
minimum elong	-3768 Dec 29 j 03:04	10°♐18'03	0°37'53
max. Earth dist.	-3768 Dec 29 j 17:58	10°♐26'57	6.02790 AU
morning rise	-3767 Jan 11 j 06:20	13°♐25'51	
	-3767 Apr 03 j 17:15	0°♑	
retrograde	-3767 May 23 j 02:38	3°♑39'08	
	-3767 Jul 11 j 22:42	30°℞♐	
opposition	-3767 Jul 22 j 10:47	28°♐37'01	-1°27'42
min. Earth dist.	-3767 Jul 21 j 16:22	28°♐43'10	4.00865 AU
direct	-3767 Sep 18 j 18:34	23°♐43'30	
	-3767 Nov 21 j 16:30	0°♑	
evening set	-3766 Jan 21 j 07:34	13°♑02'56	
conjunction	-3766 Feb 03 j 15:14	16°♑13'10	-1°12'50
minimum elong	-3766 Feb 03 j 15:11	16°♑13'08	1°12'59
max. Earth dist.	-3766 Feb 05 j 05:27	16°♑35'57	6.00579 AU
morning rise	-3766 Feb 17 j 02:15	19°♑25'07	
	-3766 Apr 05 j 18:19	0°♒	
retrograde	-3766 Jun 29 j 02:50	9°♒44'12	
opposition	-3766 Aug 27 j 23:22	4°♒39'27	-2°00'41
min. Earth dist.	-3766 Aug 26 j 17:51	4°♒49'27	4.02295 AU
	-3766 Oct 12 j 08:34	30°℞♑	
direct	-3766 Oct 24 j 22:25	29°♑43'32	
	-3766 Nov 06 j 13:55	0°♒	
	-3765 Feb 09 j 22:56	15°♒	
evening set	-3765 Feb 27 j 09:53	19°♒00'52	
conjunction	-3765 Mar 13 j 00:15	22°♒11'50	-1°20'20
minimum elong	-3765 Mar 13 j 00:17	22°♒11'51	1°20'25
max. Earth dist.	-3765 Mar 14 j 23:21	22°♒39'25	6.05377 AU
morning rise	-3765 Mar 26 j 17:10	25°♒23'53	
	-3765 Apr 15 j 21:24	0°♓	
retrograde	-3765 Aug 03 j 15:55	15°♓08'08	
min. Earth dist.	-3765 Sep 30 j 23:40	10°♓12'48	4.09960 AU
opposition	-3765 Oct 02 j 03:57	10°♓03'08	-1°47'50
direct	-3765 Nov 29 j 16:25	5°♓03'51	
evening set	-3764 Apr 04 j 03:58	24°♓02'15	
conjunction	-3764 Apr 17 j 22:26	27°♓10'37	-0°58'22
minimum elong	-3764 Apr 17 j 22:30	27°♓10'40	0°58'22
max. Earth dist.	-3764 Apr 19 j 14:09	27°♓33'18	6.15249 AU
	-3764 Apr 30 j 07:43	0°♈	
morning rise	-3764 May 01 j 17:14	0°♈18'59	
retrograde	-3764 Sep 05 j 05:54	19°♈04'48	
opposition	-3764 Nov 03 j 15:26	14°♈02'14	-0°58'06
min. Earth dist.	-3764 Nov 02 j 21:01	14°♈08'29	4.20938 AU
direct	-3763 Jan 02 j 05:58	9°♈00'11	
evening set	-3763 May 09 j 14:47	27°♈32'01	
	-3763 May 20 j 16:52	0°♉	

Attention, astronomical year style is used: The year -3763 in astronomical counting style is the year 3764 BCE in historical counting style.

conjunction	-3763 May 23 j 07:40	0°♉35'01	-0°17'25
minimum elong	-3763 May 23 j 07:41	0°♉35'02	0°17'21
max. Earth dist.	-3763 May 23 j 23:50	0°♉44'01	6.26521 AU
morning rise	-3763 Jun 05 j 23:09	3°♉37'04	
	-3763 Aug 01 j 04:05	15°♉	
retrograde	-3763 Oct 07 j 02:59	21°♉26'13	
asc. node	-3763 Oct 21 j 15:58	21°♉05'13	
opposition	-3763 Dec 05 j 16:38	16°♉27'25	0°07'35
min. Earth dist.	-3763 Dec 05 j 13:55	16°♉28'20	4.31463 AU
	-3763 Dec 16 j 18:43	15℞♉	
direct	-3762 Feb 04 j 15:05	11°♉23'53	
	-3762 Mar 26 j 16:58	15°♉	
evening set	-3762 Jun 12 j 09:10	29°♉32'01	
	-3762 Jun 14 j 12:29	0°♊	
conjunction	-3762 Jun 25 j 19:33	2°♊28'34	0°27'38
minimum elong	-3762 Jun 25 j 19:31	2°♊28'33	0°27'46
max. Earth dist.	-3762 Jun 25 j 11:48	2°♊24'19	6.35540 AU
morning rise	-3762 Jul 09 j 02:46	5°♊23'31	
retrograde	-3762 Nov 07 j 00:24	22°♊34'45	
opposition	-3761 Jan 05 j 22:42	17°♊39'44	1°08'31
min. Earth dist.	-3761 Jan 06 j 11:15	17°♊35'38	4.38386 AU
direct	-3761 Mar 08 j 23:00	12°♊36'15	
	-3761 Jul 12 j 08:23	0°♋	
evening set	-3761 Jul 14 j 16:08	0°♋30'13	
max. Earth dist.	-3761 Jul 26 j 10:46	3°♋04'34	6.39760 AU
conjunction	-3761 Jul 27 j 17:08	3°♋21'11	1°03'39
minimum elong	-3761 Jul 27 j 17:04	3°♋21'09	1°03'48
morning rise	-3761 Aug 09 j 14:58	6°♋10'34	
retrograde	-3761 Dec 07 j 20:40	23°♋09'19	
opposition	-3760 Feb 06 j 04:32	18°♋16'57	1°49'15
min. Earth dist.	-3760 Feb 07 j 06:35	18°♋08'34	4.39791 AU
direct	-3760 Apr 08 j 20:01	13°♋14'44	
	-3760 Aug 08 j 21:52	0°♌	
evening set	-3760 Aug 13 j 23:22	1°♌06'21	
max. Earth dist.	-3760 Aug 24 j 23:02	3°♌31'39	6.38121 AU
conjunction	-3760 Aug 26 j 16:28	3°♌54'34	1°21'36
minimum elong	-3760 Aug 26 j 16:27	3°♌54'33	1°21'42
morning rise	-3760 Sep 08 j 06:44	6°♌41'32	
	-3760 Oct 18 j 02:25	15°♌	
retrograde	-3759 Jan 07 j 09:13	23°♌53'53	
opposition	-3759 Mar 09 j 04:10	19°♌02'27	1°59'52
min. Earth dist.	-3759 Mar 10 j 10:50	18°♌52'41	4.35326 AU
	-3759 Apr 15 j 08:27	15℞♌	
direct	-3759 May 10 j 16:43	14°♌02'35	
	-3759 Jun 05 j 03:14	15°♌	
	-3759 Sep 04 j 17:47	0°♍	
evening set	-3759 Sep 13 j 23:50	2°♍03'06	
max. Earth dist.	-3759 Sep 24 j 18:59	4°♍28'45	6.31122 AU
conjunction	-3759 Sep 26 j 12:43	4°♍52'18	1°16'33
minimum elong	-3759 Sep 26 j 12:46	4°♍52'19	1°16'37
morning rise	-3759 Oct 09 j 00:16	7°♍40'58	
retrograde	-3758 Feb 09 j 11:10	25°♍30'01	
opposition	-3758 Apr 11 j 11:50	20°♍37'41	1°35'50
min. Earth dist.	-3758 Apr 12 j 15:55	20°♍28'45	4.26198 AU
direct	-3758 Jun 12 j 07:49	15°♍40'39	
	-3758 Sep 27 j 19:38	0°♎	
evening set	-3758 Oct 15 j 13:00	3°♎59'23	
max. Earth dist.	-3758 Oct 26 j 19:57	6°♎35'25	6.20663 AU
conjunction	-3758 Oct 28 j 02:42	6°♎53'10	0°48'26
minimum elong	-3758 Oct 28 j 02:45	6°♎53'12	0°48'24
morning rise	-3758 Nov 09 j 16:44	9°♎47'20	
retrograde	-3757 Mar 16 j 07:06	28°♎29'09	
opposition	-3757 May 16 j 09:30	23°♎34'10	0°40'21
min. Earth dist.	-3757 May 16 j 23:39	23°♎29'37	4.15047 AU
direct	-3757 Jul 15 j 22:44	18°♎39'46	
	-3757 Oct 15 j 15:45	0°♏	
evening set	-3757 Nov 17 j 09:34	7°♏22'24	
conjunction	-3757 Nov 30 j 03:59	10°♏22'49	0°03'43
minimum elong	-3757 Nov 30 j 03:58	10°♏22'49	0°03'37
behind sun begin	-3757 Nov 29 j 20:00	10°♏18'07	
behind sun end	-3757 Nov 30 j 11:57	10°♏27'30	
max. Earth dist.	-3757 Nov 29 j 19:54	10°♏18'04	6.09874 AU
morning rise	-3757 Dec 13 j 00:14	13°♏24'25	
	-3757 Dec 19 j 20:08	15°♏	
desc. node	-3757 Dec 29 j 21:11	17°♏18'20	
	-3756 Mar 06 j 20:49	0°♐	
retrograde	-3756 Apr 20 j 22:03	3°♐01'53	
	-3756 Jun 05 j 08:52	30℞♏	
opposition	-3756 Jun 20 j 16:28	28°♏03'07	-0°31'54
min. Earth dist.	-3756 Jun 20 j 13:03	28°♏04'14	4.05482 AU
direct	-3756 Aug 18 j 22:06	23°♏10'04	
	-3756 Oct 25 j 11:47	0°♐	
evening set	-3756 Dec 21 j 01:27	12°♐15'47	
conjunction	-3755 Jan 03 j 02:39	15°♐22'25	-0°43'48
minimum elong	-3755 Jan 03 j 02:36	15°♐22'23	0°43'56
max. Earth dist.	-3755 Jan 03 j 20:54	15°♐33'19	6.02399 AU
morning rise	-3755 Jan 16 j 07:00	18°♐30'49	
	-3755 Mar 09 j 11:52	0°♑	
retrograde	-3755 May 28 j 05:26	8°♑45'52	
opposition	-3755 Jul 27 j 13:11	3°♑43'16	-1°34'40
min. Earth dist.	-3755 Jul 26 j 16:00	3°♑50'21	4.00971 AU
	-3755 Aug 28 j 07:28	30℞♐	
direct	-3755 Sep 23 j 18:05	28°♐49'31	
	-3755 Oct 20 j 04:44	0°♑	
evening set	-3754 Jan 26 j 09:33	18°♑08'25	
conjunction	-3754 Feb 08 j 18:03	21°♑18'45	-1°15'40
minimum elong	-3754 Feb 08 j 18:01	21°♑18'44	1°15'49
max. Earth dist.	-3754 Feb 10 j 09:31	21°♑42'14	6.01133 AU
morning rise	-3754 Feb 22 j 05:55	24°♑30'46	
	-3754 Mar 18 j 01:07	0°♒	
retrograde	-3754 Jul 04 j 01:53	14°♒46'12	
opposition	-3754 Sep 01 j 21:24	9°♒41'12	-2°01'34
min. Earth dist.	-3754 Aug 31 j 16:00	9°♒51'12	4.03238 AU
direct	-3754 Oct 29 j 22:19	4°♒44'46	
	-3753 Jan 22 j 22:26	15°♒	
evening set	-3753 Mar 04 j 11:32	23°♒59'37	
conjunction	-3753 Mar 18 j 02:47	27°♒10'21	-1°18'54
minimum elong	-3753 Mar 18 j 02:49	27°♒10'22	1°19'00
max. Earth dist.	-3753 Mar 20 j 02:35	27°♒38'15	6.06624 AU
	-3753 Mar 30 j 06:03	0°♓	
morning rise	-3753 Mar 31 j 20:03	0°♓22'00	
retrograde	-3753 Aug 08 j 09:11	19°♓58'44	
opposition	-3753 Oct 06 j 20:04	14°♓53'58	-1°42'47
min. Earth dist.	-3753 Oct 05 j 16:57	15°♓03'13	4.11376 AU
direct	-3753 Dec 04 j 10:50	9°♓54'15	
evening set	-3752 Apr 09 j 02:20	28°♓49'15	
	-3752 Apr 14 j 07:06	0°♈	
conjunction	-3752 Apr 22 j 20:47	1°♈57'02	-0°53'34
minimum elong	-3752 Apr 22 j 20:51	1°♈57'04	0°53'33
max. Earth dist.	-3752 Apr 24 j 08:08	2°♈17'09	6.16711 AU
morning rise	-3752 May 06 j 15:39	5°♈04'44	
retrograde	-3752 Sep 09 j 16:14	23°♈42'45	
min. Earth dist.	-3752 Nov 07 j 10:24	18°♈46'06	4.22310 AU
opposition	-3752 Nov 08 j 02:36	18°♈40'36	-0°49'34

Attention, astronomical year style is used: The year -3751 in astronomical counting style is the year 3752 BCE in historical counting style.

direct	-3751 Jan 06 j 21:26	13°♈38'14	
	-3751 May 04 j 16:22	0°♉	
evening set	-3751 May 14 j 08:15	2°♉07'12	
conjunction	-3751 May 28 j 00:41	5°♉09'29	-0°11'11
minimum elong	-3751 May 28 j 00:42	5°♉09'29	0°11'05
behind sun begin	-3751 May 27 j 18:36	5°♉06'07	
behind sun end	-3751 May 28 j 06:48	5°♉12'52	
max. Earth dist.	-3751 May 28 j 14:25	5°♉17'07	6.27724 AU
morning rise	-3751 Jun 10 j 15:09	8°♉10'39	
	-3751 Jul 12 j 16:07	15°♉	
asc. node	-3751 Sep 01 j 18:42	23°♉27'40	
retrograde	-3751 Oct 11 j 10:34	25°♉54'11	
opposition	-3751 Dec 10 j 00:52	20°♉55'58	0°16'39
min. Earth dist.	-3751 Dec 10 j 00:06	20°♉56'13	4.32413 AU
direct	-3750 Feb 09 j 02:57	15°♉52'25	
	-3750 May 29 j 08:08	0°♊	
evening set	-3750 Jun 16 j 22:30	3°♊58'56	
conjunction	-3750 Jun 30 j 07:35	6°♊54'43	0°33'23
minimum elong	-3750 Jun 30 j 07:32	6°♊54'42	0°33'30
max. Earth dist.	-3750 Jun 29 j 19:10	6°♊47'55	6.36161 AU
morning rise	-3750 Jul 13 j 13:42	9°♊48'57	
retrograde	-3750 Nov 11 j 07:42	26°♊57'49	
opposition	-3749 Jan 10 j 06:41	22°♊03'13	1°15'38
min. Earth dist.	-3749 Jan 10 j 21:42	21°♊58'19	4.38676 AU
direct	-3749 Mar 13 j 10:10	16°♊59'49	
	-3749 Jun 26 j 00:56	0°♋	
evening set	-3749 Jul 19 j 02:03	4°♋53'35	
max. Earth dist.	-3749 Jul 30 j 19:07	7°♋27'10	6.39692 AU
conjunction	-3749 Aug 01 j 02:00	7°♋44'06	1°07'21
minimum elong	-3749 Aug 01 j 01:57	7°♋44'04	1°07'31
morning rise	-3749 Aug 13 j 22:29	10°♋32'59	
retrograde	-3749 Dec 12 j 04:13	27°♋32'38	
opposition	-3748 Feb 10 j 14:32	22°♋40'29	1°52'40
min. Earth dist.	-3748 Feb 11 j 16:39	22°♋32'07	4.39399 AU
direct	-3748 Apr 13 j 05:42	17°♋38'36	
	-3748 Jul 23 j 11:30	0°♌	
evening set	-3748 Aug 18 j 07:46	5°♌31'03	
max. Earth dist.	-3748 Aug 29 j 05:27	7°♌55'38	6.37420 AU
conjunction	-3748 Aug 30 j 23:52	8°♌19'09	1°22'17
minimum elong	-3748 Aug 30 j 23:51	8°♌19'08	1°22'24
morning rise	-3748 Sep 12 j 13:34	11°♌06'08	
	-3748 Sep 30 j 12:49	15°♌	
retrograde	-3747 Jan 11 j 22:50	28°♌22'14	
opposition	-3747 Mar 13 j 18:07	23°♌30'47	1°58'33
min. Earth dist.	-3747 Mar 15 j 01:35	23°♌20'47	4.34350 AU
direct	-3747 May 15 j 06:31	18°♌31'16	
	-3747 Aug 19 j 00:13	0°♍	
evening set	-3747 Sep 18 j 08:37	6°♍33'28	
max. Earth dist.	-3747 Sep 29 j 04:52	9°♍00'09	6.29943 AU
conjunction	-3747 Sep 30 j 21:25	9°♍23'04	1°13'54
minimum elong	-3747 Sep 30 j 21:27	9°♍23'06	1°13'58
morning rise	-3747 Oct 13 j 08:57	12°♍12'15	
	-3746 Feb 05 j 08:58	0°♎	
retrograde	-3746 Feb 14 j 03:34	0°♎07'15	
	-3746 Feb 22 j 23:26	30°℞♍	
opposition	-3746 Apr 16 j 06:09	25°♍14'36	1°29'45
min. Earth dist.	-3746 Apr 17 j 07:54	25°♍06'25	4.24875 AU
direct	-3746 Jun 16 j 21:46	20°♍17'58	
	-3746 Sep 10 j 05:33	0°♎	
evening set	-3746 Oct 20 j 00:34	8°♎39'10	
max. Earth dist.	-3746 Oct 31 j 10:54	11°♎17'36	6.19303 AU
conjunction	-3746 Nov 01 j 14:40	11°♎33'41	0°42'56
minimum elong	-3746 Nov 01 j 14:43	11°♎33'43	0°42'55
morning rise	-3746 Nov 14 j 05:19	14°♎28'43	
	-3745 Feb 02 j 01:07	0°♏	
retrograde	-3745 Mar 21 j 07:57	3°♏17'46	
	-3745 May 08 j 10:49	30°℞♎	
opposition	-3745 May 21 j 08:36	28°♎22'20	0°30'48
min. Earth dist.	-3745 May 21 j 21:31	28°♎18'10	4.13716 AU
direct	-3745 Jul 20 j 18:28	23°♎28'11	
	-3745 Sep 25 j 16:44	0°♏	
desc. node	-3745 Nov 09 j 03:58	9°♏13'43	
evening set	-3745 Nov 22 j 01:54	12°♏13'40	
	-3745 Dec 03 j 19:50	15°♏	
conjunction	-3745 Dec 04 j 21:06	15°♏14'56	-0°03'13
minimum elong	-3745 Dec 04 j 21:07	15°♏14'57	0°03'20
behind sun begin	-3745 Dec 04 j 13:06	15°♏10'14	
behind sun end	-3745 Dec 05 j 05:09	15°♏19'40	
max. Earth dist.	-3745 Dec 04 j 15:58	15°♏11'56	6.08694 AU
morning rise	-3745 Dec 17 j 18:30	18°♏17'33	
	-3744 Feb 09 j 19:13	0°♐	
retrograde	-3744 Apr 26 j 00:09	8°♐01'20	
opposition	-3744 Jun 25 j 18:14	3°♐02'03	-0°41'48
min. Earth dist.	-3744 Jun 25 j 11:44	3°♐04'11	4.04576 AU
	-3744 Jul 20 j 18:09	30°℞♏	
direct	-3744 Aug 23 j 18:38	28°♏09'04	
	-3744 Sep 26 j 11:38	0°♐	
evening set	-3744 Dec 25 j 23:44	17°♐17'16	
conjunction	-3743 Jan 08 j 01:52	20°♐24'34	-0°49'31
minimum elong	-3743 Jan 08 j 01:48	20°♐24'32	0°49'39
max. Earth dist.	-3743 Jan 08 j 22:53	20°♐37'08	6.01831 AU
morning rise	-3743 Jan 21 j 07:16	23°♐33'40	
	-3743 Feb 18 j 06:07	0°♑	
retrograde	-3743 Jun 02 j 08:58	13°♑51'24	
opposition	-3743 Aug 01 j 14:44	8°♑48'22	-1°40'58
min. Earth dist.	-3743 Jul 31 j 16:23	8°♑55'52	4.00808 AU
direct	-3743 Sep 28 j 18:49	3°♑54'18	
evening set	-3742 Jan 31 j 11:56	23°♑14'10	
conjunction	-3742 Feb 13 j 21:36	26°♑24'52	-1°17'58
minimum elong	-3742 Feb 13 j 21:34	26°♑24'51	1°18'05
max. Earth dist.	-3742 Feb 15 j 16:05	26°♑50'05	6.01381 AU
morning rise	-3742 Feb 27 j 10:19	29°♑37'08	
	-3742 Mar 01 j 01:12	0°♒	
	-3742 May 13 j 03:01	15°♒	
retrograde	-3742 Jul 09 j 02:51	19°♒49'58	
	-3742 Sep 04 j 23:29	15°℞♒	
opposition	-3742 Sep 06 j 19:53	14°♒44'53	-2°01'36
min. Earth dist.	-3742 Sep 05 j 14:28	14°♒54'54	4.03880 AU
direct	-3742 Nov 03 j 20:53	9°♒48'03	
	-3742 Dec 31 j 20:16	15°♒	
evening set	-3741 Mar 09 j 14:42	29°♒01'44	
	-3741 Mar 13 j 19:09	0°♓	
conjunction	-3741 Mar 23 j 06:33	2°♓12'21	-1°16'53
minimum elong	-3741 Mar 23 j 06:36	2°♓12'23	1°16'58
max. Earth dist.	-3741 Mar 25 j 04:14	2°♓38'57	6.07580 AU
morning rise	-3741 Apr 06 j 00:34	5°♓23'51	
retrograde	-3741 Aug 13 j 02:29	24°♓54'10	
min. Earth dist.	-3741 Oct 10 j 11:25	19°♓58'38	4.12532 AU
opposition	-3741 Oct 11 j 13:49	19°♓49'37	-1°36'58
direct	-3741 Dec 09 j 07:21	14°♓49'28	
	-3740 Mar 28 j 12:04	0°♈	
evening set	-3740 Apr 14 j 02:50	3°♈42'03	
conjunction	-3740 Apr 27 j 21:33	6°♈49'22	-0°48'17

Attention, astronomical year style is used: The year -3740 in astronomical counting style is the year 3741 BCE in historical counting style.

minimum elong	-3740 Apr 27 j 21:37	6°♈49'24	0°48'16	
max. Earth dist.	-3740 Apr 29 j 07:10	7°♈08'27	6.18005 AU	
morning rise	-3740 May 11 j 16:05	9°♈56'24		
retrograde	-3740 Sep 14 j 06:35	28°♈27'09		
opposition	-3740 Nov 12 j 16:05	23°♈25'34	-0°40'30	
min. Earth dist.	-3740 Nov 12 j 02:01	23°♈30'19	4.23605 AU	
direct	-3739 Jan 11 j 15:22	18°♈23'01		
	-3739 Apr 17 j 04:08	0°♉		
evening set	-3739 May 19 j 04:24	6°♉49'16		
conjunction	-3739 Jun 01 j 20:03	9°♉50'45	-0°04'43	
minimum elong	-3739 Jun 01 j 20:04	9°♉50'46	0°04'37	
behind sun begin	-3739 Jun 01 j 11:58	9°♉46'17		
behind sun end	-3739 Jun 02 j 04:11	9°♉55'14		
max. Earth dist.	-3739 Jun 02 j 06:00	9°♉56'15	6.28943 AU	
morning rise	-3739 Jun 15 j 09:44	12°♉51'04		
	-3739 Jun 25 j 05:34	15°♉		
asc. node	-3739 Jul 12 j 06:12	18°♉36'15		
	-3739 Sep 28 j 15:21	0°♊		
retrograde	-3739 Oct 15 j 19:54	0°♊28'54		
	-3739 Nov 01 j 23:38	30°℞♉		
opposition	-3739 Dec 14 j 11:40	25°♉31'13	0°25'50	
min. Earth dist.	-3739 Dec 14 j 12:30	25°♉30'56	4.33496 AU	
direct	-3738 Feb 13 j 17:35	20°♉27'37		
	-3738 May 11 j 05:13	0°♊		
evening set	-3738 Jun 21 j 13:31	8°♊31'47		
conjunction	-3738 Jul 04 j 21:26	11°♊26'43	0°39'02	
minimum elong	-3738 Jul 04 j 21:23	11°♊26'42	0°39'11	
max. Earth dist.	-3738 Jul 04 j 07:46	11°♊19'14	6.37061 AU	
morning rise	-3738 Jul 18 j 02:05	14°♊20'00		
	-3738 Oct 16 j 11:07	0°♋		
retrograde	-3738 Nov 15 j 15:43	1°♋25'35		
	-3738 Dec 15 j 20:24	30°℞♊		
opposition	-3737 Jan 14 j 16:35	26°♊31'26	1°22'24	
min. Earth dist.	-3737 Jan 15 j 08:43	26°♊26'11	4.39358 AU	
direct	-3737 Mar 17 j 22:50	21°♊28'15		
	-3737 Jun 07 j 16:24	0°♋		
evening set	-3737 Jul 23 j 12:41	9°♋20'03		
max. Earth dist.	-3737 Aug 04 j 01:36	11°♋51'25	6.40096 AU	
conjunction	-3737 Aug 05 j 11:12	12°♋09'49	1°10'42	
minimum elong	-3737 Aug 05 j 11:09	12°♋09'48	1°10'50	
morning rise	-3737 Aug 18 j 06:36	14°♋58'04		
	-3737 Nov 10 j 19:19	0°♌		
retrograde	-3737 Dec 16 j 13:16	1°♌57'05		
	-3736 Jan 21 j 13:16	30°℞♋		
opposition	-3736 Feb 15 j 01:03	27°♋05'06	1°55'23	
min. Earth dist.	-3736 Feb 16 j 04:27	26°♋56'19	4.39517 AU	
direct	-3736 Apr 17 j 17:59	22°♋03'26		
	-3736 Jul 05 j 01:58	0°♌		
evening set	-3736 Aug 22 j 15:08	9°♌54'44		
max. Earth dist.	-3736 Sep 02 j 13:10	12°♌19'36	6.37241 AU	
conjunction	-3736 Sep 04 j 06:34	12°♌42'34	1°22'30	
minimum elong	-3736 Sep 04 j 06:33	12°♌42'34	1°22'37	
	-3736 Sep 14 j 14:20	15°♌		
morning rise	-3736 Sep 16 j 19:25	15°♌29'19		
	-3736 Dec 04 j 01:46	0°♍		
retrograde	-3735 Jan 16 j 08:13	2°♍47'28		
	-3735 Mar 01 j 10:25	30°℞♌		
opposition	-3735 Mar 18 j 06:31	27°♌55'56	1°56'30	
min. Earth dist.	-3735 Mar 19 j 13:05	27°♌46'13	4.33877 AU	
direct	-3735 May 19 j 17:00	22°♌56'47		
	-3735 Jul 31 j 04:46	0°♍		
evening set	-3735 Sep 22 j 15:04	10°♍58'55		
max. Earth dist.	-3735 Oct 03 j 11:17	13°♍25'53	6.29207 AU	
conjunction	-3735 Oct 05 j 03:33	13°♍48'42	1°10'52	
minimum elong	-3735 Oct 05 j 03:36	13°♍48'43	1°10'54	
morning rise	-3735 Oct 17 j 15:13	16°♍38'13		
	-3735 Dec 24 j 01:17	0°♎		
retrograde	-3734 Feb 18 j 19:31	4°♎37'55		
	-3734 Apr 18 j 22:40	30°℞♍		
opposition	-3734 Apr 20 j 21:56	29°♍44'57	1°23'12	
min. Earth dist.	-3734 Apr 21 j 23:32	29°♍36'47	4.23884 AU	
direct	-3734 Jun 21 j 11:31	24°♍48'35		
	-3734 Aug 20 j 15:02	0°♎		
evening set	-3734 Oct 24 j 08:50	13°♎11'11		
conjunction	-3734 Nov 05 j 23:28	16°♎06'23	0°37'20	
minimum elong	-3734 Nov 05 j 23:30	16°♎06'25	0°37'18	
max. Earth dist.	-3734 Nov 04 j 21:34	15°♎51'21	6.18157 AU	
morning rise	-3734 Nov 18 j 14:44	19°♎02'12		
	-3733 Jan 08 j 21:41	0°♏		
retrograde	-3733 Mar 26 j 02:36	7°♏57'43		
opposition	-3733 May 26 j 03:43	3°♏01'49	0°21'20	
min. Earth dist.	-3733 May 26 j 14:21	2°♏58'23	4.12498 AU	
	-3733 Jun 20 j 12:30	30°℞♎		
direct	-3733 Jul 25 j 08:31	28°♎07'54		
	-3733 Aug 28 j 19:00	0°♏		
desc. node	-3733 Sep 21 j 04:08	3°♏08'21		
	-3733 Nov 18 j 08:17	15°♏		
evening set	-3733 Nov 26 j 15:12	16°♏56'15		
conjunction	-3733 Dec 09 j 11:11	19°♏58'23	-0°09'46	
minimum elong	-3733 Dec 09 j 11:10	19°♏58'22	0°09'53	
behind sun begin	-3733 Dec 09 j 04:34	19°♏54'28		
behind sun end	-3733 Dec 09 j 17:47	20°♏02'16		
max. Earth dist.	-3733 Dec 09 j 08:04	19°♏56'32	6.07512 AU	
morning rise	-3733 Dec 22 j 09:36	23°♏01'57		
	-3732 Jan 21 j 23:53	0°♐		
retrograde	-3732 Apr 30 j 23:58	12°♐52'14		
opposition	-3732 Jun 30 j 16:16	7°♐52'24	-0°51'07	
min. Earth dist.	-3732 Jun 30 j 08:20	7°♐55'01	4.03535 AU	
direct	-3732 Aug 28 j 13:46	2°♐59'20		
evening set	-3732 Dec 30 j 19:13	22°♐10'55		
conjunction	-3731 Jan 12 j 22:33	25°♐19'04	-0°54'41	
minimum elong	-3731 Jan 12 j 22:29	25°♐19'02	0°54'51	
max. Earth dist.	-3731 Jan 13 j 23:10	25°♐33'47	6.01034 AU	
morning rise	-3731 Jan 26 j 05:00	28°♐28'59		
	-3731 Feb 01 j 15:10	0°♑		
retrograde	-3731 Jun 07 j 11:15	18°♑50'14		
opposition	-3731 Aug 06 j 13:39	13°♑46'52	-1°46'20	
min. Earth dist.	-3731 Aug 05 j 14:20	13°♑54'42	4.00373 AU	
direct	-3731 Oct 03 j 15:19	8°♑52'32		
evening set	-3730 Feb 05 j 12:54	28°♑14'38		
	-3730 Feb 12 j 22:53	0°♒		
conjunction	-3730 Feb 18 j 23:28	1°♒25'48	-1°19'35	
minimum elong	-3730 Feb 18 j 23:26	1°♒25'47	1°19'42	
max. Earth dist.	-3730 Feb 20 j 17:56	1°♒51'00	6.01327 AU	
morning rise	-3730 Mar 04 j 13:20	4°♒38'32		
	-3730 Apr 20 j 08:00	15°♒		
retrograde	-3730 Jul 14 j 00:31	24°♒49'51		
min. Earth dist.	-3730 Sep 10 j 10:30	19°♒54'59	4.04232 AU	
opposition	-3730 Sep 11 j 16:45	19°♒44'39	-2°00'43	
	-3730 Oct 28 j 18:08	15°℞♒		
direct	-3730 Nov 08 j 17:44	14°♒47'22		
	-3730 Nov 19 j 19:33	15°♒		
	-3729 Feb 25 j 02:30	0°♓		
evening set	-3729 Mar 14 j 17:23	4°♓01'03		
conjunction	-3729 Mar 28 j 10:08	7°♓11'44	-1°14'17	

Attention, astronomical year style is used: The year -3729 in astronomical counting style is the year 3730 BCE in historical counting style.

minimum elong	-3729 Mar 28 j 10:11	7°♓11'46	1°14'20
max. Earth dist.	-3729 Mar 30 j 08:14	7°♓38'31	6.08329 AU
morning rise	-3729 Apr 11 j 04:30	10°♓23'03	
retrograde	-3729 Aug 17 j 21:53	29°♓47'28	
min. Earth dist.	-3729 Oct 15 j 06:12	24°♓51'40	4.13580 AU
opposition	-3729 Oct 16 j 07:02	24°♓43'12	-1°30'27
direct	-3729 Dec 14 j 04:14	19°♓42'40	
	-3728 Mar 10 j 08:47	0°♈	
evening set	-3728 Apr 19 j 03:09	8°♈33'00	
conjunction	-3728 May 02 j 21:50	11°♈39'48	-0°42'40
minimum elong	-3728 May 02 j 21:54	11°♈39'50	0°42'38
max. Earth dist.	-3728 May 04 j 05:24	11°♈57'39	6.19270 AU
morning rise	-3728 May 16 j 16:10	14°♈46'10	
	-3728 Aug 04 j 12:34	0°♉	
retrograde	-3728 Sep 18 j 18:19	3°♉09'31	
	-3728 Nov 03 j 01:55	30°℞♈	
opposition	-3728 Nov 17 j 05:07	28°♈08'22	-0°31'13
min. Earth dist.	-3728 Nov 16 j 15:49	28°♈12'52	4.24958 AU
direct	-3727 Jan 16 j 08:00	23°♈05'33	
	-3727 Mar 28 j 04:01	0°♉	
asc. node	-3727 May 21 j 12:12	10°♉56'02	
evening set	-3727 May 23 j 23:33	11°♉28'36	
conjunction	-3727 Jun 06 j 14:21	14°♉29'10	0°01'54
minimum elong	-3727 Jun 06 j 14:21	14°♉29'10	0°02'00
behind sun begin	-3727 Jun 06 j 06:04	14°♉24'36	
behind sun end	-3727 Jun 06 j 22:38	14°♉33'44	
max. Earth dist.	-3727 Jun 06 j 21:30	14°♉33'06	6.30272 AU
	-3727 Jun 08 j 22:00	15°♉	
morning rise	-3727 Jun 20 j 02:54	17°♉28'27	
	-3727 Aug 22 j 21:08	0°♊	
retrograde	-3727 Oct 20 j 05:44	5°♊00'14	
opposition	-3727 Dec 18 j 21:37	0°♊03'04	0°34'47
min. Earth dist.	-3727 Dec 19 j 00:58	0°♊01'58	4.34666 AU
	-3727 Dec 19 j 06:54	30°℞♉	
direct	-3726 Feb 18 j 08:20	24°♉59'26	
	-3726 Apr 19 j 14:08	0°♊	
evening set	-3726 Jun 26 j 03:07	13°♊00'48	
conjunction	-3726 Jul 09 j 09:41	15°♊54'49	0°44'27
minimum elong	-3726 Jul 09 j 09:38	15°♊54'48	0°44'36
max. Earth dist.	-3726 Jul 08 j 16:40	15°♊45'30	6.37933 AU
morning rise	-3726 Jul 22 j 13:01	18°♊47'11	
	-3726 Sep 17 j 03:55	0°♋	
retrograde	-3726 Nov 19 j 22:28	5°♋49'47	
opposition	-3725 Jan 19 j 01:16	0°♋55'59	1°28'41
min. Earth dist.	-3725 Jan 19 j 19:02	0°♋50'13	4.39879 AU
	-3725 Jan 26 j 06:45	30°℞♊	
direct	-3725 Mar 22 j 09:35	25°♊52'53	
	-3725 May 16 j 01:56	0°♋	
evening set	-3725 Jul 27 j 21:55	13°♋43'28	
max. Earth dist.	-3725 Aug 08 j 09:00	16°♋13'53	6.40196 AU
conjunction	-3725 Aug 09 j 19:18	16°♋32'43	1°13'40
minimum elong	-3725 Aug 09 j 19:15	16°♋32'41	1°13'48
morning rise	-3725 Aug 22 j 13:25	19°♋20'25	
	-3725 Oct 14 j 19:38	0°♌	
retrograde	-3725 Dec 20 j 21:34	6°♌20'08	
opposition	-3724 Feb 19 j 11:13	1°♌28'23	1°57'33
min. Earth dist.	-3724 Feb 20 j 15:39	1°♌19'18	4.39188 AU
	-3724 Mar 02 j 03:49	30°℞♋	
direct	-3724 Apr 22 j 04:20	26°♋27'03	
	-3724 Jun 11 j 14:24	0°♌	
evening set	-3724 Aug 26 j 22:29	14°♌18'52	
	-3724 Aug 30 j 00:55	15°♌	
max. Earth dist.	-3724 Sep 06 j 17:37	16°♌42'31	6.36479 AU
conjunction	-3724 Sep 08 j 13:03	17°♌06'41	1°22'17
minimum elong	-3724 Sep 08 j 13:04	17°♌06'41	1°22'24
morning rise	-3724 Sep 21 j 01:35	19°♌53'33	
	-3724 Nov 09 j 07:45	0°♍	
retrograde	-3723 Jan 20 j 22:07	7°♍16'07	
opposition	-3723 Mar 22 j 20:32	2°♍24'29	1°53'52
min. Earth dist.	-3723 Mar 24 j 03:31	2°♍14'38	4.32721 AU
	-3723 Apr 11 j 15:39	30°℞♌	
direct	-3723 May 24 j 05:12	27°♌25'40	
	-3723 Jul 05 j 07:35	0°♍	
evening set	-3723 Sep 26 j 23:32	15°♍30'13	
max. Earth dist.	-3723 Oct 07 j 21:48	17°♍58'47	6.27760 AU
conjunction	-3723 Oct 09 j 12:12	18°♍20'37	1°07'23
minimum elong	-3723 Oct 09 j 12:15	18°♍20'39	1°07'24
morning rise	-3723 Oct 21 j 23:58	21°♍10'50	
	-3723 Dec 02 j 05:08	0°♎	
retrograde	-3722 Feb 23 j 14:14	9°♎17'46	
opposition	-3722 Apr 25 j 17:06	4°♎24'32	1°16'00
min. Earth dist.	-3722 Apr 26 j 17:01	4°♎16'55	4.22236 AU
	-3722 Jun 07 j 17:16	30°℞♍	
direct	-3722 Jun 26 j 01:44	29°♍28'36	
	-3722 Jul 14 j 10:13	0°♎	
evening set	-3722 Oct 28 j 21:45	17°♎55'02	
conjunction	-3722 Nov 10 j 12:51	20°♎51'12	0°31'17
minimum elong	-3722 Nov 10 j 12:54	20°♎51'14	0°31'14
max. Earth dist.	-3722 Nov 09 j 12:35	20°♎37'04	6.16453 AU
morning rise	-3722 Nov 23 j 05:06	23°♎48'09	
	-3722 Dec 20 j 18:13	0°♏	
retrograde	-3721 Mar 31 j 04:35	12°♏52'21	
opposition	-3721 May 31 j 04:35	7°♏55'57	0°11'16
min. Earth dist.	-3721 May 31 j 13:01	7°♏53'13	4.10859 AU
direct	-3721 Jul 30 j 04:59	3°♏02'14	
desc. node	-3721 Jul 31 j 22:10	3°♏02'32	
	-3721 Nov 01 j 02:24	15°♏	
evening set	-3721 Dec 01 j 10:31	21°♏54'54	
conjunction	-3721 Dec 14 j 07:37	24°♏58'07	-0°16'37
minimum elong	-3721 Dec 14 j 07:36	24°♏58'06	0°16'43
max. Earth dist.	-3721 Dec 14 j 09:09	24°♏59'01	6.06111 AU
morning rise	-3721 Dec 27 j 07:05	28°♏02'48	
	-3720 Jan 04 j 15:01	0°♐	
retrograde	-3720 May 06 j 06:57	18°♐00'00	
opposition	-3720 Jul 05 j 20:39	12°♐59'44	-1°00'35
min. Earth dist.	-3720 Jul 05 j 10:21	13°♐03'08	4.02545 AU
direct	-3720 Sep 02 j 14:18	8°♐06'41	
evening set	-3719 Jan 04 j 21:37	27°♐21'19	
	-3719 Jan 15 j 23:28	0°♑	
conjunction	-3719 Jan 18 j 01:50	0°♑30'07	-0°59'46
minimum elong	-3719 Jan 18 j 01:46	0°♑30'05	0°59'55
max. Earth dist.	-3719 Jan 19 j 04:45	0°♑46'13	6.00542 AU
morning rise	-3719 Jan 31 j 09:33	3°♑40'45	
retrograde	-3719 Jun 12 j 15:31	24°♑03'30	
opposition	-3719 Aug 11 j 17:19	18°♑59'43	-1°51'09
min. Earth dist.	-3719 Aug 10 j 15:27	19°♑08'27	4.00486 AU
direct	-3719 Oct 08 j 17:12	14°♑05'04	
	-3718 Jan 26 j 23:05	0°♒	
evening set	-3718 Feb 10 j 18:40	3°♒27'04	
conjunction	-3718 Feb 24 j 06:21	6°♒38'21	-1°20'42
minimum elong	-3718 Feb 24 j 06:21	6°♒38'20	1°20'49
max. Earth dist.	-3718 Feb 26 j 04:04	7°♒05'25	6.02048 AU
morning rise	-3718 Mar 09 j 20:53	9°♒51'02	
	-3718 Apr 01 j 06:39	15°♒	
retrograde	-3718 Jul 19 j 01:36	29°♒56'56	

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

min. Earth dist.	-3718 Sep 15 j 10:19	25°♒01'49	4.05487 AU
opposition	-3718 Sep 16 j 16:00	24°♒51'41	-1°58'54
direct	-3718 Nov 13 j 20:00	19°♒53'56	
	-3717 Feb 06 j 14:08	0°♓	
evening set	-3717 Mar 19 j 21:22	9°♓03'52	
conjunction	-3717 Apr 02 j 14:35	12°♓14'01	-1°11'11
minimum elong	-3717 Apr 02 j 14:38	12°♓14'02	1°11'13
max. Earth dist.	-3717 Apr 04 j 12:10	12°♓40'22	6.10001 AU
morning rise	-3717 Apr 16 j 09:17	15°♓24'41	
	-3717 Jun 27 j 20:43	0°♈	
retrograde	-3717 Aug 22 j 13:07	4°♈39'25	
	-3717 Oct 17 j 23:11	30°℞♓	
opposition	-3717 Oct 20 j 23:21	29°♓35'25	-1°23'23
min. Earth dist.	-3717 Oct 19 j 22:47	29°♓43'48	4.15484 AU
direct	-3717 Dec 19 j 00:01	24°♓34'28	
	-3716 Feb 17 j 18:35	0°♈	
evening set	-3716 Apr 24 j 01:25	13°♈19'27	
conjunction	-3716 May 07 j 19:47	16°♈25'15	-0°36'54
minimum elong	-3716 May 07 j 19:50	16°♈25'17	0°36'51
max. Earth dist.	-3716 May 08 j 23:31	16°♈40'53	6.21255 AU
morning rise	-3716 May 21 j 13:33	19°♈30'31	
	-3716 Jul 11 j 00:34	0°♉	
retrograde	-3716 Sep 23 j 04:44	7°♉44'23	
opposition	-3716 Nov 21 j 15:17	2°♉43'44	-0°22'01
min. Earth dist.	-3716 Nov 21 j 05:12	2°♉47'08	4.26818 AU
	-3716 Dec 13 j 03:36	30°℞♈	
direct	-3715 Jan 21 j 00:08	27°♈40'39	
	-3715 Mar 01 j 07:07	0°♉	
asc. node	-3715 Apr 01 j 04:49	4°♉26'42	
	-3715 May 24 j 02:59	15°♉	
evening set	-3715 May 28 j 14:50	15°♉58'57	
conjunction	-3715 Jun 11 j 04:45	18°♉58'28	0°08'09
minimum elong	-3715 Jun 11 j 04:44	18°♉58'27	0°08'15
behind sun begin	-3715 Jun 10 j 21:28	18°♉54'28	
behind sun end	-3715 Jun 11 j 11:59	19°♉02'26	
max. Earth dist.	-3715 Jun 11 j 08:33	19°♉00'32	6.31860 AU
morning rise	-3715 Jun 24 j 16:04	21°♉56'35	
	-3715 Aug 02 j 05:59	0°♊	
retrograde	-3715 Oct 24 j 09:32	9°♊22'01	
opposition	-3715 Dec 23 j 03:56	4°♊25'20	0°43'12
min. Earth dist.	-3715 Dec 23 j 09:03	4°♊23'39	4.35873 AU
	-3714 Feb 02 j 09:56	30°℞♉	
direct	-3714 Feb 22 j 17:29	29°♉21'37	
	-3714 Mar 15 j 07:39	0°♊	
evening set	-3714 Jun 30 j 12:35	17°♊20'19	
conjunction	-3714 Jul 13 j 17:50	20°♊13'30	0°49'25
minimum elong	-3714 Jul 13 j 17:47	20°♊13'28	0°49'33
max. Earth dist.	-3714 Jul 12 j 21:08	20°♊02'10	6.38655 AU
morning rise	-3714 Jul 26 j 19:51	23°♊05'02	
	-3714 Aug 28 j 21:27	0°♋	
retrograde	-3714 Nov 24 j 03:55	10°♋05'39	
opposition	-3713 Jan 23 j 07:17	5°♋12'15	1°34'17
min. Earth dist.	-3713 Jan 24 j 03:57	5°♋05'34	4.40077 AU
direct	-3713 Mar 26 j 18:18	0°♋09'17	
evening set	-3713 Aug 01 j 04:07	17°♋59'43	
max. Earth dist.	-3713 Aug 12 j 10:48	20°♋27'58	6.39824 AU
conjunction	-3713 Aug 14 j 00:25	20°♋48'38	1°16'09
minimum elong	-3713 Aug 14 j 00:22	20°♋48'37	1°16'17
morning rise	-3713 Aug 26 j 17:38	23°♋36'06	
	-3713 Sep 26 j 00:58	0°♌	
retrograde	-3713 Dec 25 j 05:21	10°♌38'20	
opposition	-3712 Feb 23 j 19:54	5°♌46'40	1°59'04

min. Earth dist.	-3712 Feb 25 j 01:17	5°♌37'17	4.38296 AU
direct	-3712 Apr 26 j 11:57	0°♌45'34	
	-3712 Aug 14 j 08:38	15°♌	
evening set	-3712 Aug 31 j 04:35	18°♌39'49	
max. Earth dist.	-3712 Sep 10 j 24:00	21°♌04'04	6.35132 AU
conjunction	-3712 Sep 12 j 18:47	21°♌27'58	1°21'37
minimum elong	-3712 Sep 12 j 18:48	21°♌27'58	1°21'42
morning rise	-3712 Sep 25 j 06:49	24°♌15'13	
	-3712 Oct 21 j 21:57	0°♍	
retrograde	-3711 Jan 25 j 11:59	11°♍44'09	
opposition	-3711 Mar 27 j 10:46	6°♍52'28	1°50'36
min. Earth dist.	-3711 Mar 28 j 17:38	6°♍42'40	4.31004 AU
direct	-3711 May 28 j 16:14	1°♍54'05	
evening set	-3711 Oct 01 j 08:45	20°♍02'51	
max. Earth dist.	-3711 Oct 12 j 07:09	22°♍32'14	6.25812 AU
conjunction	-3711 Oct 13 j 21:27	22°♍54'07	1°03'27
minimum elong	-3711 Oct 13 j 21:30	22°♍54'08	1°03'29
morning rise	-3711 Oct 26 j 09:50	25°♍45'21	
	-3711 Nov 14 j 10:13	0°♎	
retrograde	-3710 Feb 28 j 12:24	14°♎01'29	
opposition	-3710 Apr 30 j 14:29	9°♎07'51	1°08'12
min. Earth dist.	-3710 May 01 j 12:17	9°♎00'53	4.20185 AU
direct	-3710 Jun 30 j 18:25	4°♎12'18	
evening set	-3710 Nov 02 j 12:42	22°♎43'48	
max. Earth dist.	-3710 Nov 14 j 09:12	25°♎29'45	6.14507 AU
conjunction	-3710 Nov 15 j 04:42	25°♎41'09	0°24'55
minimum elong	-3710 Nov 15 j 04:44	25°♎41'10	0°24'50
morning rise	-3710 Nov 27 j 21:44	28°♎39'20	
	-3710 Dec 03 j 17:06	0°♏	
	-3709 Feb 20 j 10:53	15°♏	
retrograde	-3709 Apr 05 j 09:40	17°♏52'52	
	-3709 May 19 j 20:50	15°℞♏	
opposition	-3709 Jun 05 j 08:06	12°♏55'59	0°00'53
min. Earth dist.	-3709 Jun 05 j 13:46	12°♏54'09	4.09195 AU
desc. node	-3709 Jun 10 j 03:20	12°♏18'44	
direct	-3709 Aug 04 j 03:41	8°♏02'35	
	-3709 Oct 11 j 21:48	15°♏	
evening set	-3709 Dec 06 j 08:58	26°♏59'30	
conjunction	-3709 Dec 19 j 06:52	0°♐03'40	-0°23'28
minimum elong	-3709 Dec 19 j 06:50	0°♐03'38	0°23'35
max. Earth dist.	-3709 Dec 19 j 11:37	0°♐06'29	6.04869 AU
	-3709 Dec 19 j 00:43	0°♐	
morning rise	-3708 Jan 01 j 07:38	3°♐09'25	
retrograde	-3708 May 11 j 13:51	23°♐12'30	
opposition	-3708 Jul 11 j 02:42	18°♐11'36	-1°09'44
min. Earth dist.	-3708 Jul 10 j 12:35	18°♐16'17	4.01870 AU
direct	-3708 Sep 07 j 16:25	13°♐18'28	
	-3708 Dec 30 j 02:54	0°♑	
evening set	-3707 Jan 10 j 01:40	2°♑34'50	
conjunction	-3707 Jan 23 j 07:03	5°♑44'08	-1°04'25
minimum elong	-3707 Jan 23 j 07:00	5°♑44'06	1°04'34
max. Earth dist.	-3707 Jan 24 j 15:03	6°♑03'16	6.00467 AU
morning rise	-3707 Feb 05 j 15:38	8°♑55'11	
retrograde	-3707 Jun 17 j 21:52	29°♑17'24	
opposition	-3707 Aug 16 j 21:25	24°♑13'14	-1°55'04
min. Earth dist.	-3707 Aug 15 j 18:54	24°♑22'12	4.01020 AU
direct	-3707 Oct 13 j 21:23	19°♑18'14	
	-3706 Jan 08 j 14:06	0°♒	
evening set	-3706 Feb 16 j 00:33	8°♒38'35	
conjunction	-3706 Mar 01 j 13:00	11°♒49'45	-1°21'12
minimum elong	-3706 Mar 01 j 13:01	11°♒49'45	1°21'19

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

max. Earth dist.	-3706 Mar 03 j 11:52	12°♒17'23	6.03093 AU	
morning rise	-3706 Mar 15 j 04:21	15°♒02'15		
	-3706 Mar 15 j 00:30	15°♒		
	-3706 May 26 j 21:32	0°♓		
retrograde	-3706 Jul 23 j 23:48	5°♓01'27		
min. Earth dist.	-3706 Sep 20 j 07:43	0°♓06'37	4.06936 AU	
opposition	-3706 Sep 21 j 14:02	29°♒56'16	-1°56'13	
	-3706 Sep 21 j 03:05	30°℞♒		
direct	-3706 Nov 18 j 19:32	24°♒58'04		
	-3705 Jan 15 j 03:10	0°♓		
evening set	-3705 Mar 25 j 00:36	14°♓04'05		
conjunction	-3705 Apr 07 j 18:10	17°♓13'37	-1°07'35	
minimum elong	-3705 Apr 07 j 18:13	17°♓13'39	1°07'38	
max. Earth dist.	-3705 Apr 09 j 13:09	17°♓38'23	6.11721 AU	
morning rise	-3705 Apr 21 j 13:01	20°♓23'34		
	-3705 Jun 05 j 02:22	0°♈		
retrograde	-3705 Aug 27 j 05:24	9°♈29'02		
opposition	-3705 Oct 25 j 14:46	4°♈25'27	-1°15'51	
min. Earth dist.	-3705 Oct 24 j 16:50	4°♈32'55	4.17284 AU	
	-3705 Dec 04 j 20:46	30°℞♓		
direct	-3705 Dec 23 j 20:44	29°♓24'07		
	-3704 Jan 11 j 23:48	0°♈		
evening set	-3704 Apr 28 j 22:56	18°♈04'35		
conjunction	-3704 May 12 j 17:06	21°♈09'33	-0°30'56	
minimum elong	-3704 May 12 j 17:09	21°♈09'35	0°30'53	
max. Earth dist.	-3704 May 13 j 18:42	21°♈23'55	6.23011 AU	
morning rise	-3704 May 26 j 10:09	24°♈13'47		
	-3704 Jun 22 j 01:12	0°♉		
retrograde	-3704 Sep 27 j 13:23	12°♉19'28		
opposition	-3704 Nov 26 j 01:28	7°♉19'24	-0°12'43	
min. Earth dist.	-3704 Nov 25 j 16:52	7°♉22'17	4.28388 AU	
direct	-3703 Jan 25 j 13:29	2°♉16'11		
asc. node	-3703 Feb 09 j 09:28	2°♉36'52		
	-3703 May 07 j 09:26	15°♉		
evening set	-3703 Jun 02 j 06:22	20°♉30'58		
conjunction	-3703 Jun 15 j 19:06	23°♉29'31	0°14'22	
minimum elong	-3703 Jun 15 j 19:05	23°♉29'30	0°14'29	
behind sun begin	-3703 Jun 15 j 15:40	23°♉27'38		
behind sun end	-3703 Jun 15 j 22:30	23°♉31'22		
max. Earth dist.	-3703 Jun 15 j 17:56	23°♉28'52	6.33127 AU	
morning rise	-3703 Jun 29 j 05:21	26°♉26'39		
	-3703 Jul 15 j 17:00	0°♊		
retrograde	-3703 Oct 28 j 17:14	13°♊47'13		
opposition	-3703 Dec 27 j 11:43	8°♊51'04	0°51'27	
min. Earth dist.	-3703 Dec 27 j 20:13	8°♊48'16	4.36763 AU	
direct	-3702 Feb 27 j 05:36	3°♊47'23		
evening set	-3702 Jul 04 j 23:18	21°♊44'24		
max. Earth dist.	-3702 Jul 17 j 04:14	24°♊24'13	6.39089 AU	
conjunction	-3702 Jul 18 j 03:23	24°♊36'54	0°54'11	
minimum elong	-3702 Jul 18 j 03:20	24°♊36'52	0°54'19	
morning rise	-3702 Jul 31 j 04:00	27°♊27'42		
	-3702 Aug 11 j 22:47	0°♋		
retrograde	-3702 Nov 28 j 09:46	14°♋27'20		
opposition	-3701 Jan 27 j 15:14	9°♋34'16	1°39'30	
min. Earth dist.	-3701 Jan 28 j 12:51	9°♋27'17	4.40066 AU	
direct	-3701 Mar 31 j 02:43	4°♋31'30		
evening set	-3701 Aug 05 j 12:18	22°♋22'18		
max. Earth dist.	-3701 Aug 16 j 16:30	24°♋49'29	6.39358 AU	
conjunction	-3701 Aug 18 j 07:29	25°♋10'57	1°18'16	
minimum elong	-3701 Aug 18 j 07:27	25°♋10'56	1°18'25	
morning rise	-3701 Aug 30 j 23:45	27°♋58'13		
	-3701 Sep 09 j 07:51	0°♌		
	-3701 Dec 23 j 19:02	15°♌		
retrograde	-3701 Dec 29 j 16:18	15°♌03'16		
	-3700 Jan 04 j 13:03	15°℞♌		
opposition	-3700 Feb 28 j 07:19	10°♌11'45	1°59'58	
min. Earth dist.	-3700 Feb 29 j 14:08	10°♌01'56	4.37415 AU	
direct	-3700 Apr 30 j 23:20	5°♌11'02		
	-3700 Jul 27 j 23:07	15°♌		
evening set	-3700 Sep 04 j 12:35	23°♌07'17		
max. Earth dist.	-3700 Sep 15 j 06:34	25°♌31'14	6.33899 AU	
conjunction	-3700 Sep 17 j 02:18	25°♌55'43	1°20'28	
minimum elong	-3700 Sep 17 j 02:19	25°♌55'44	1°20'33	
morning rise	-3700 Sep 29 j 14:12	28°♌43'23		
	-3700 Oct 05 j 08:20	0°♍		
retrograde	-3699 Jan 30 j 03:39	16°♍18'24		
opposition	-3699 Apr 01 j 03:25	11°♍26'30	1°46'36	
min. Earth dist.	-3699 Apr 02 j 08:50	11°♍17'09	4.29513 AU	
direct	-3699 Jun 02 j 05:27	6°♍28'32		
evening set	-3699 Oct 05 j 19:27	24°♍40'29		
max. Earth dist.	-3699 Oct 16 j 21:48	27°♍12'37	6.24222 AU	
conjunction	-3699 Oct 18 j 08:30	27°♍32'30	0°59'06	
minimum elong	-3699 Oct 18 j 08:33	27°♍32'32	0°59'07	
	-3699 Oct 29 j 02:03	0°♎		
morning rise	-3699 Oct 30 j 21:09	0°♎24'35		
retrograde	-3698 Mar 05 j 10:58	18°♎48'26		
opposition	-3698 May 05 j 12:54	13°♎54'28	0°59'53	
min. Earth dist.	-3698 May 06 j 09:02	13°♎48'01	4.18612 AU	
direct	-3698 Jul 05 j 13:09	8°♎59'19		
evening set	-3698 Nov 07 j 04:21	27°♎34'04		
	-3698 Nov 17 j 13:51	0°♏		
conjunction	-3698 Nov 19 j 20:53	0°♏32'17	0°18'23	
minimum elong	-3698 Nov 19 j 20:55	0°♏32'18	0°18'19	
max. Earth dist.	-3698 Nov 19 j 03:46	0°♏22'15	6.13107 AU	
morning rise	-3698 Dec 02 j 15:02	3°♏31'31		
	-3697 Jan 24 j 23:37	15°♏		
retrograde	-3697 Apr 10 j 12:07	22°♏52'10		
desc. node	-3697 Apr 20 j 07:27	22°♏43'05		
opposition	-3697 Jun 10 j 10:39	17°♏54'41	-0°09'25	
min. Earth dist.	-3697 Jun 10 j 12:27	17°♏54'06	4.08094 AU	
	-3697 Jul 04 j 11:17	15°℞♏		
direct	-3697 Aug 09 j 01:22	13°♏01'25		
	-3697 Sep 13 j 04:45	15°♏		
	-3697 Dec 02 j 16:54	0°♐		
evening set	-3697 Dec 11 j 05:57	2°♐00'33		
conjunction	-3697 Dec 24 j 04:55	5°♐05'26	-0°30'02	
minimum elong	-3697 Dec 24 j 04:53	5°♐05'25	0°30'10	
max. Earth dist.	-3697 Dec 24 j 15:10	5°♐11'32	6.04172 AU	
morning rise	-3696 Jan 06 j 06:34	8°♐11'55		
retrograde	-3696 May 16 j 19:17	28°♐18'35		
opposition	-3696 Jul 16 j 06:01	23°♐17'07	-1°18'04	
min. Earth dist.	-3696 Jul 15 j 14:26	23°♐22'18	4.01657 AU	
direct	-3696 Sep 12 j 17:53	18°♐23'49		
	-3696 Dec 12 j 13:58	0°♑		
evening set	-3695 Jan 15 j 03:03	7°♑40'23		
conjunction	-3695 Jan 28 j 09:16	10°♑49'56	-1°08'26	
minimum elong	-3695 Jan 28 j 09:13	10°♑49'54	1°08'34	
max. Earth dist.	-3695 Jan 29 j 19:33	11°♑10'23	6.00724 AU	
morning rise	-3695 Feb 10 j 18:55	14°♑01'15		
	-3695 Apr 29 j 22:52	0°♒		
retrograde	-3695 Jun 22 j 21:50	4°♒21'20		
	-3695 Aug 16 j 13:19	30°℞♑		
opposition	-3695 Aug 21 j 21:02	29°♑16'53	-1°57'57	
min. Earth dist.	-3695 Aug 20 j 16:45	29°♑26'27	4.01749 AU	

Attention, astronomical year style is used: The year -3695 in astronomical counting style is the year 3696 BCE in historical counting style.

direct	-3695 Oct 18 j 20:13	24°♉21'29		
	-3695 Dec 18 j 05:52	0°♒		
evening set	-3694 Feb 21 j 02:45	13°♒39'48		
	-3694 Feb 26 j 19:36	15°♒		
conjunction	-3694 Mar 06 j 16:00	16°♒50'48	-1°21'04	
minimum elong	-3694 Mar 06 j 16:01	16°♒50'48	1°21'09	
max. Earth dist.	-3694 Mar 08 j 14:16	17°♒18'00	6.04201 AU	
morning rise	-3694 Mar 20 j 07:59	20°♒03'02		
	-3694 May 04 j 13:15	0°♓		
retrograde	-3694 Jul 28 j 18:50	9°♓55'33		
min. Earth dist.	-3694 Sep 25 j 03:14	5°♓00'15	4.08287 AU	
opposition	-3694 Sep 26 j 08:03	4°♓50'24	-1°52'47	
	-3694 Nov 14 j 17:46	30°℞♒		
direct	-3694 Nov 23 j 17:11	29°♒51'43		
	-3694 Dec 02 j 16:18	0°♓		
evening set	-3693 Mar 29 j 23:53	18°♓54'18		
conjunction	-3693 Apr 12 j 17:59	22°♓03'23	-1°03'39	
minimum elong	-3693 Apr 12 j 18:03	22°♓03'26	1°03'40	
max. Earth dist.	-3693 Apr 14 j 12:04	22°♓27'33	6.13213 AU	
morning rise	-3693 Apr 26 j 12:50	25°♓12'42		
	-3693 May 18 j 00:07	0°♈		
retrograde	-3693 Aug 31 j 17:48	14°♈09'59		
min. Earth dist.	-3693 Oct 29 j 06:29	9°♈13'51	4.18765 AU	
opposition	-3693 Oct 30 j 03:07	9°♈06'51	-1°08'04	
direct	-3693 Dec 28 j 11:54	4°♈05'14		
evening set	-3692 May 03 j 17:50	22°♈42'26		
conjunction	-3692 May 17 j 11:27	25°♈46'38	-0°24'55	
minimum elong	-3692 May 17 j 11:29	25°♈46'39	0°24'52	
max. Earth dist.	-3692 May 18 j 07:51	25°♈58'03	6.24372 AU	
morning rise	-3692 May 31 j 04:02	28°♈50'04		
	-3692 Jun 05 j 10:26	0°♉		
	-3692 Aug 28 j 23:00	15°♉		
retrograde	-3692 Oct 01 j 21:51	16°♉49'15		
	-3692 Nov 04 j 15:53	15°℞♉		
opposition	-3692 Nov 30 j 10:05	11°♉49'44	-0°03'34	
min. Earth dist.	-3692 Nov 30 j 04:31	11°♉51'36	4.29523 AU	
asc. node	-3692 Dec 21 j 11:48	9°♉09'41		
direct	-3691 Jan 30 j 02:43	6°♉46'22		
	-3691 Apr 18 j 22:59	15°♉		
evening set	-3691 Jun 06 j 20:29	24°♉59'07		
conjunction	-3691 Jun 20 j 08:24	27°♉56'57	0°20'24	
minimum elong	-3691 Jun 20 j 08:22	27°♉56'56	0°20'32	
max. Earth dist.	-3691 Jun 20 j 05:07	27°♉55'09	6.33968 AU	
	-3691 Jun 29 j 16:05	0°♊		
morning rise	-3691 Jul 03 j 17:19	0°♊53'15		
retrograde	-3691 Nov 01 j 22:53	18°♊10'24		
opposition	-3691 Dec 31 j 19:05	13°♊14'47	0°59'20	
min. Earth dist.	-3690 Jan 01 j 04:44	13°♊11'37	4.37281 AU	
direct	-3690 Mar 03 j 14:51	8°♊11'14		
evening set	-3690 Jul 09 j 09:49	26°♊07'40		
max. Earth dist.	-3690 Jul 21 j 09:47	28°♊44'55	6.39237 AU	
conjunction	-3690 Jul 22 j 12:31	28°♊59'34	0°58'36	
minimum elong	-3690 Jul 22 j 12:28	28°♊59'32	0°58'45	
	-3690 Jul 27 j 02:53	0°♋		
morning rise	-3690 Aug 04 j 12:03	1°♋49'50		
retrograde	-3690 Dec 02 j 18:34	18°♋49'30		
opposition	-3689 Feb 01 j 00:18	13°♋56'46	1°44'09	
min. Earth dist.	-3689 Feb 02 j 00:09	13°♋49'05	4.39862 AU	
direct	-3689 Apr 04 j 13:57	8°♋54'16		
evening set	-3689 Aug 09 j 20:35	26°♋45'43		
max. Earth dist.	-3689 Aug 20 j 23:21	29°♋12'22	6.38805 AU	
conjunction	-3689 Aug 22 j 14:55	29°♋34'12	1°19'56	
minimum elong	-3689 Aug 22 j 14:54	29°♋34'11	1°20'04	
	-3689 Aug 24 j 13:41	0°♌		
morning rise	-3689 Sep 04 j 06:16	2°♌21'20		
	-3689 Nov 08 j 11:39	15°♌		
retrograde	-3688 Jan 03 j 02:13	19°♌29'27		
	-3688 Feb 29 j 22:21	15°℞♌		
opposition	-3688 Mar 03 j 19:32	14°♌37'58	2°00'08	
min. Earth dist.	-3688 Mar 05 j 01:31	14°♌28'24	4.36570 AU	
direct	-3688 May 05 j 09:31	9°♌37'39		
	-3688 Jul 07 j 04:26	15°♌		
evening set	-3688 Sep 08 j 20:55	27°♌35'31		
	-3688 Sep 19 j 15:08	0°♍		
max. Earth dist.	-3688 Sep 19 j 15:59	0°♍00'29	6.32826 AU	
conjunction	-3688 Sep 21 j 10:12	0°♍24'12	1°18'50	
minimum elong	-3688 Sep 21 j 10:14	0°♍24'13	1°18'54	
morning rise	-3688 Oct 03 j 21:51	3°♍12'13		
retrograde	-3687 Feb 03 j 20:17	20°♍52'40		
opposition	-3687 Apr 05 j 20:18	16°♍00'37	1°41'54	
min. Earth dist.	-3687 Apr 07 j 01:36	15°♍51'18	4.28253 AU	
direct	-3687 Jun 06 j 20:42	11°♍03'04		
evening set	-3687 Oct 10 j 05:42	29°♍17'15		
	-3687 Oct 13 j 08:33	0°♎		
max. Earth dist.	-3687 Oct 21 j 09:20	1°♎50'37	6.22870 AU	
conjunction	-3687 Oct 22 j 18:56	2°♎09'56	0°54'23	
minimum elong	-3687 Oct 22 j 19:00	2°♎09'58	0°54'22	
morning rise	-3687 Nov 04 j 08:13	5°♎02'49		
retrograde	-3686 Mar 10 j 07:20	23°♎33'42		
opposition	-3686 May 10 j 10:25	18°♎39'16	0°51'10	
min. Earth dist.	-3686 May 11 j 03:33	18°♎33'47	4.17243 AU	
direct	-3686 Jul 10 j 05:48	13°♎44'26		
	-3686 Nov 01 j 13:28	0°♏		
evening set	-3686 Nov 11 j 18:49	2°♏21'56		
conjunction	-3686 Nov 24 j 12:10	5°♏21'02	0°11'47	
minimum elong	-3686 Nov 24 j 12:11	5°♏21'02	0°11'42	
behind sun begin	-3686 Nov 24 j 06:25	5°♏17'40		
behind sun end	-3686 Nov 24 j 17:56	5°♏24'24		
max. Earth dist.	-3686 Nov 23 j 23:25	5°♏13'33	6.11842 AU	
morning rise	-3686 Dec 07 j 07:04	8°♏21'11		
	-3685 Jan 05 j 15:44	15°♏		
desc. node	-3685 Feb 28 j 21:54	24°♏41'58		
retrograde	-3685 Apr 15 j 15:46	27°♏48'42		
opposition	-3685 Jun 15 j 11:45	22°♏50'41	-0°19'35	
min. Earth dist.	-3685 Jun 15 j 12:07	22°♏50'34	4.07032 AU	
direct	-3685 Aug 13 j 23:13	17°♏57'31		
	-3685 Nov 15 j 14:13	0°♐		
evening set	-3685 Dec 16 j 02:15	6°♐59'16		
conjunction	-3685 Dec 29 j 02:04	10°♐04'52	-0°36'20	
minimum elong	-3685 Dec 29 j 02:02	10°♐04'51	0°36'29	
max. Earth dist.	-3685 Dec 29 j 14:56	10°♐12'32	6.03399 AU	
morning rise	-3684 Jan 11 j 04:56	13°♐12'11		
	-3684 Apr 04 j 12:24	0°♑		
retrograde	-3684 May 21 j 21:33	3°♑22'41		
	-3684 Jul 08 j 16:04	30°℞♐		
opposition	-3684 Jul 21 j 07:38	28°♐20'44	-1°25'50	
min. Earth dist.	-3684 Jul 20 j 13:16	28°♐26'52	4.01283 AU	
direct	-3684 Sep 17 j 15:28	23°♐27'16		
	-3684 Nov 22 j 03:45	0°♑		
evening set	-3683 Jan 20 j 04:10	12°♑45'11		
conjunction	-3683 Feb 02 j 11:24	15°♑55'09	-1°11'56	
minimum elong	-3683 Feb 02 j 11:21	15°♑55'07	1°12'05	
max. Earth dist.	-3683 Feb 03 j 23:33	16°♑16'42	6.00756 AU	

Attention, astronomical year style is used: The year -3683 in astronomical counting style is the year 3684 BCE in historical counting style.

morning rise	-3683 Feb 15 j 22:00	19°♑06'50	
	-3683 Apr 06 j 02:53	0°♒	
retrograde	-3683 Jun 27 j 23:16	9°♒25'52	
opposition	-3683 Aug 26 j 20:26	4°♒21'07	-2°00'00
min. Earth dist.	-3683 Aug 25 j 16:06	4°♒30'45	4.02183 AU
	-3683 Oct 05 j 11:57	30°℞♑	
direct	-3683 Oct 23 j 20:38	29°♑25'15	
	-3683 Nov 11 j 05:33	0°♒	
	-3682 Feb 10 j 02:54	15°♒	
evening set	-3682 Feb 26 j 05:32	18°♒42'51	
conjunction	-3682 Mar 11 j 19:47	21°♒53'54	-1°20'21
minimum elong	-3682 Mar 11 j 19:49	21°♒53'54	1°20'26
max. Earth dist.	-3682 Mar 13 j 19:25	22°♒21'49	6.04993 AU
morning rise	-3682 Mar 25 j 12:22	25°♒06'02	
	-3682 Apr 16 j 00:14	0°♓	
retrograde	-3682 Aug 02 j 15:13	14°♓52'51	
min. Earth dist.	-3682 Sep 29 j 22:35	9°♓57'30	4.09349 AU
opposition	-3682 Oct 01 j 02:51	9°♓47'51	-1°48'35
direct	-3682 Nov 28 j 13:23	4°♓48'43	
evening set	-3681 Apr 04 j 01:10	23°♓49'00	
conjunction	-3681 Apr 17 j 19:27	26°♓57'41	-0°59'12
minimum elong	-3681 Apr 17 j 19:31	26°♓57'44	0°59'12
max. Earth dist.	-3681 Apr 19 j 09:51	27°♓19'39	6.14448 AU
morning rise	-3681 May 01 j 14:32	0°♈06'30	
	-3681 May 01 j 03:05	0°♈	
retrograde	-3681 Sep 05 j 07:22	18°♈56'24	
opposition	-3681 Nov 03 j 17:13	13°♈53'38	-0°59'42
min. Earth dist.	-3681 Nov 02 j 22:31	14°♈00'00	4.20040 AU
direct	-3680 Jan 02 j 06:12	8°♈51'39	
evening set	-3680 May 08 j 14:52	27°♈26'12	
	-3680 May 20 j 02:58	0°♉	
conjunction	-3680 May 22 j 08:13	0°♉29'45	-0°18'37
minimum elong	-3680 May 22 j 08:14	0°♉29'46	0°18'33
max. Earth dist.	-3680 May 23 j 02:48	0°♉40'07	6.25621 AU
morning rise	-3680 Jun 04 j 23:54	3°♉32'19	
	-3680 Jul 31 j 12:33	15°♉	
retrograde	-3680 Oct 06 j 08:11	21°♉25'12	
asc. node	-3680 Oct 31 j 06:25	20°♉24'26	
opposition	-3680 Dec 04 j 21:03	16°♉26'17	0°05'50
min. Earth dist.	-3680 Dec 04 j 17:04	16°♉27'36	4.30650 AU
	-3680 Dec 15 j 19:25	15°℞♉	
direct	-3679 Feb 03 j 17:22	11°♉22'52	
	-3679 Mar 25 j 21:15	15°♉	
evening set	-3679 Jun 11 j 12:47	29°♉33'17	
	-3679 Jun 13 j 13:42	0°♊	
conjunction	-3679 Jun 24 j 23:25	2°♊30'15	0°26'29
minimum elong	-3679 Jun 24 j 23:23	2°♊30'14	0°26'37
max. Earth dist.	-3679 Jun 24 j 15:59	2°♊26'10	6.34901 AU
morning rise	-3679 Jul 08 j 07:15	5°♊25'41	
retrograde	-3679 Nov 06 j 07:36	22°♊39'03	
opposition	-3678 Jan 05 j 04:54	17°♊43'53	1°07'02
min. Earth dist.	-3678 Jan 05 j 16:43	17°♊40'00	4.38001 AU
direct	-3678 Mar 08 j 04:39	12°♊40'24	
	-3678 Jul 11 j 04:49	0°♋	
evening set	-3678 Jul 13 j 21:39	0°♋35'08	
conjunction	-3678 Jul 26 j 23:12	3°♋26'18	1°02'47
minimum elong	-3678 Jul 26 j 23:08	3°♋26'17	1°02'55
max. Earth dist.	-3678 Jul 25 j 20:13	3°♋11'32	6.39704 AU
morning rise	-3678 Aug 08 j 21:13	6°♋15'50	
retrograde	-3678 Dec 07 j 01:29	23°♋14'17	
opposition	-3677 Feb 05 j 10:17	18°♋21'48	1°48'14
min. Earth dist.	-3677 Feb 06 j 10:10	18°♋14'07	4.40078 AU
direct	-3677 Apr 09 j 00:42	13°♋19'36	
	-3677 Aug 08 j 20:51	0°♌	
evening set	-3677 Aug 14 j 05:11	1°♌09'56	
max. Earth dist.	-3677 Aug 25 j 05:34	3°♌35'27	6.38745 AU
conjunction	-3677 Aug 26 j 22:20	3°♌57'58	1°21'09
minimum elong	-3677 Aug 26 j 22:19	3°♌57'58	1°21'16
morning rise	-3677 Sep 08 j 12:55	6°♌44'47	
	-3677 Oct 18 j 03:35	15°♌	
retrograde	-3676 Jan 07 j 13:21	23°♌54'19	
opposition	-3676 Mar 08 j 07:39	19°♌02'51	1°59'35
min. Earth dist.	-3676 Mar 09 j 14:44	18°♌52'57	4.36227 AU
	-3676 Apr 14 j 13:48	15°℞♌	
direct	-3676 May 09 j 22:40	14°♌02'50	
	-3676 Jun 04 j 06:58	15°♌	
	-3676 Sep 04 j 02:06	0°♍	
evening set	-3676 Sep 13 j 03:40	2°♍00'23	
max. Earth dist.	-3676 Sep 23 j 23:06	4°♍25'47	6.32226 AU
conjunction	-3676 Sep 25 j 16:40	4°♍49'09	1°16'45
minimum elong	-3676 Sep 25 j 16:42	4°♍49'11	1°16'49
morning rise	-3676 Oct 08 j 04:06	7°♍37'21	
retrograde	-3675 Feb 08 j 08:28	25°♍21'44	
opposition	-3675 Apr 10 j 11:11	20°♍29'24	1°36'38
min. Earth dist.	-3675 Apr 11 j 14:39	20°♍20'40	4.27417 AU
direct	-3675 Jun 11 j 08:09	15°♍32'13	
	-3675 Sep 27 j 17:03	0°♎	
evening set	-3675 Oct 14 j 13:37	3°♎47'19	
max. Earth dist.	-3675 Oct 25 j 19:42	6°♎22'25	6.21877 AU
conjunction	-3675 Oct 27 j 03:05	6°♎40'30	0°49'26
minimum elong	-3675 Oct 27 j 03:08	6°♎40'31	0°49'24
morning rise	-3675 Nov 08 j 16:45	9°♎34'00	
retrograde	-3674 Mar 15 j 02:50	28°♎10'44	
opposition	-3674 May 15 j 04:46	23°♎15'55	0°42'20
min. Earth dist.	-3674 May 15 j 21:25	23°♎10'35	4.16127 AU
direct	-3674 Jul 14 j 21:31	18°♎21'19	
	-3674 Oct 16 j 03:16	0°♏	
evening set	-3674 Nov 16 j 06:28	7°♏01'03	
conjunction	-3674 Nov 29 j 00:31	10°♏00'57	0°05'19
minimum elong	-3674 Nov 29 j 00:31	10°♏00'57	0°05'14
behind sun begin	-3674 Nov 28 j 16:43	9°♏56'22	
behind sun end	-3674 Nov 29 j 08:19	10°♏05'31	
max. Earth dist.	-3674 Nov 28 j 13:24	9°♏54'25	6.10715 AU
morning rise	-3674 Dec 11 j 20:27	13°♏02'01	
	-3674 Dec 20 j 07:14	15°♏	
desc. node	-3673 Jan 11 j 01:13	19°♏52'32	
	-3673 Mar 10 j 00:17	0°♐	
retrograde	-3673 Apr 20 j 13:01	2°♐35'52	
	-3673 Jun 01 j 09:07	30°℞♏	
opposition	-3673 Jun 20 j 08:53	27°♏37'23	-0°29'19
min. Earth dist.	-3673 Jun 20 j 06:36	27°♏38'07	4.05999 AU
direct	-3673 Aug 18 j 15:04	22°♏44'17	
	-3673 Oct 27 j 15:10	0°♐	
evening set	-3673 Dec 20 j 19:34	11°♐49'03	
conjunction	-3672 Jan 02 j 20:21	14°♐55'27	-0°42'12
minimum elong	-3672 Jan 02 j 20:18	14°♐55'25	0°42'19
max. Earth dist.	-3672 Jan 03 j 11:44	15°♐04'38	6.02548 AU
morning rise	-3672 Jan 16 j 00:15	18°♐03'36	
	-3672 Mar 10 j 13:38	0°♑	
retrograde	-3672 May 26 j 22:21	8°♑18'34	
min. Earth dist.	-3672 Jul 25 j 10:53	3°♑22'36	4.00708 AU
opposition	-3672 Jul 26 j 06:04	3°♑16'11	-1°32'44
	-3672 Aug 22 j 03:20	30°℞♐	
direct	-3672 Sep 22 j 12:30	28°♐22'29	

Attention, astronomical year style is used: The year -3672 in astronomical counting style is the year 3673 BCE in historical counting style.

	-3672 Oct 23 j 16:54	0°♉		
evening set	-3671 Jan 25 j 03:02	17°♉42'56		
conjunction	-3671 Feb 07 j 11:27	20°♉53'29	-1°14'48	
minimum elong	-3671 Feb 07 j 11:24	20°♉53'28	1°14'56	
max. Earth dist.	-3671 Feb 09 j 02:29	21°♉16'44	6.00518 AU	
morning rise	-3671 Feb 20 j 23:01	24°♉05'43		
	-3671 Mar 18 j 14:02	0°♒		
retrograde	-3671 Jul 02 j 23:10	14°♒24'36		
opposition	-3671 Aug 31 j 17:24	9°♒19'46	-2°01'06	
min. Earth dist.	-3671 Aug 30 j 12:36	9°♒29'34	4.02336 AU	
direct	-3671 Oct 28 j 16:45	4°♒23'33		
	-3670 Jan 23 j 07:32	15°♒		
evening set	-3670 Mar 03 j 07:26	23°♒41'50		
conjunction	-3670 Mar 16 j 22:26	26°♒53'02	-1°19'00	
minimum elong	-3670 Mar 16 j 22:28	26°♒53'03	1°19'05	
max. Earth dist.	-3670 Mar 18 j 20:32	27°♒20'01	6.05517 AU	
morning rise	-3670 Mar 30 j 15:54	0°♓05'16		
	-3670 Mar 30 j 06:49	0°♓		
retrograde	-3670 Aug 07 j 09:03	19°♓47'22		
opposition	-3670 Oct 05 j 20:28	14°♓42'31	-1°43'36	
min. Earth dist.	-3670 Oct 04 j 16:31	14°♓52'05	4.10185 AU	
direct	-3670 Dec 03 j 09:09	9°♓42'58		
evening set	-3669 Apr 09 j 01:41	28°♓41'49		
	-3669 Apr 14 j 19:15	0°♈		
conjunction	-3669 Apr 22 j 20:26	1°♈50'13	-0°54'20	
minimum elong	-3669 Apr 22 j 20:30	1°♈50'15	0°54'19	
max. Earth dist.	-3669 Apr 24 j 10:10	2°♈11'45	6.15560 AU	
morning rise	-3669 May 06 j 15:22	4°♈58'30		
retrograde	-3669 Sep 09 j 22:07	23°♈41'25		
opposition	-3669 Nov 08 j 07:01	18°♈39'07	-0°50'59	
min. Earth dist.	-3669 Nov 07 j 13:54	18°♈44'55	4.21293 AU	
direct	-3668 Jan 07 j 00:01	13°♈36'55		
	-3668 May 03 j 17:17	0°♉		
evening set	-3668 May 13 j 11:22	2°♉08'37		
conjunction	-3668 May 27 j 04:01	5°♉11'21	-0°12'12	
minimum elong	-3668 May 27 j 04:02	5°♉11'22	0°12'07	
behind sun begin	-3668 May 26 j 22:32	5°♉08'19		
behind sun end	-3668 May 27 j 09:31	5°♉14'24		
max. Earth dist.	-3668 May 27 j 19:05	5°♉19'44	6.26912 AU	
morning rise	-3668 Jun 09 j 18:59	8°♉13'03		
	-3668 Jul 11 j 13:52	15°♉		
asc. node	-3668 Sep 10 j 00:19	24°♉29'37		
retrograde	-3668 Oct 10 j 16:55	25°♉59'29		
opposition	-3668 Dec 09 j 07:25	21°♉01'02	0°15'08	
min. Earth dist.	-3668 Dec 09 j 05:04	21°♉01'48	4.31864 AU	
direct	-3667 Feb 08 j 08:05	15°♉57'28		
	-3667 May 28 j 02:02	0°♊		
evening set	-3667 Jun 16 j 03:51	4°♊05'04		
conjunction	-3667 Jun 29 j 13:22	7°♊01'07	0°32'22	
minimum elong	-3667 Jun 29 j 13:19	7°♊01'05	0°32'30	
max. Earth dist.	-3667 Jun 29 j 04:10	6°♊56'04	6.35931 AU	
morning rise	-3667 Jul 12 j 19:43	9°♊55'32		
retrograde	-3667 Nov 10 j 14:27	27°♊04'54		
opposition	-3666 Jan 09 j 13:32	22°♊10'10	1°14'18	
min. Earth dist.	-3666 Jan 10 j 02:59	22°♊05'46	4.38751 AU	
direct	-3666 Mar 12 j 16:25	17°♊06'47		
	-3666 Jun 24 j 18:18	0°♋		
evening set	-3666 Jul 18 j 07:55	4°♋59'40		
max. Earth dist.	-3666 Jul 30 j 01:20	7°♋33'20	6.40065 AU	
conjunction	-3666 Jul 31 j 08:01	7°♋50'08	1°06'34	
minimum elong	-3666 Jul 31 j 07:58	7°♋50'06	1°06'43	
morning rise	-3666 Aug 13 j 04:57	10°♋39'01		
retrograde	-3666 Dec 11 j 09:48	27°♋36'59		
opposition	-3665 Feb 09 j 19:44	22°♋44'43	1°51'45	
min. Earth dist.	-3665 Feb 10 j 21:36	22°♋36'24	4.40029 AU	
direct	-3665 Apr 13 j 12:05	17°♋42'41		
	-3665 Jul 23 j 11:19	0°♌		
evening set	-3665 Aug 18 j 12:29	5°♌32'52		
max. Earth dist.	-3665 Aug 29 j 12:20	7°♌58'17	6.38265 AU	
conjunction	-3665 Aug 31 j 04:56	8°♌20'44	1°21'57	
minimum elong	-3665 Aug 31 j 04:55	8°♌20'44	1°22'04	
morning rise	-3665 Sep 12 j 18:36	11°♌07'24		
	-3665 Sep 30 j 16:29	15°♌		
retrograde	-3664 Jan 11 j 22:58	28°♌20'03		
opposition	-3664 Mar 12 j 19:52	23°♌28'34	1°58'26	
min. Earth dist.	-3664 Mar 14 j 02:31	23°♌18'50	4.35347 AU	
direct	-3664 May 14 j 08:47	18°♌28'56		
	-3664 Aug 18 j 11:24	0°♍		
evening set	-3664 Sep 17 j 11:18	6°♍28'08		
max. Earth dist.	-3664 Sep 28 j 06:13	8°♍53'44	6.31005 AU	
conjunction	-3664 Sep 29 j 23:56	9°♍17'16	1°14'15	
minimum elong	-3664 Sep 29 j 23:58	9°♍17'17	1°14'18	
morning rise	-3664 Oct 12 j 11:28	12°♍05'59		
retrograde	-3663 Feb 13 j 02:26	29°♍56'39		
opposition	-3663 Apr 15 j 04:21	25°♍04'04	1°30'46	
min. Earth dist.	-3663 Apr 16 j 07:51	24°♍55'19	4.25911 AU	
direct	-3663 Jun 15 j 22:56	20°♍07'11		
	-3663 Sep 10 j 06:16	0°♎		
evening set	-3663 Oct 19 j 00:11	8°♎25'32		
max. Earth dist.	-3663 Oct 30 j 08:45	11°♎02'35	6.20223 AU	
conjunction	-3663 Oct 31 j 14:11	11°♎19'36	0°44'03	
minimum elong	-3663 Oct 31 j 14:14	11°♎19'38	0°44'02	
morning rise	-3663 Nov 13 j 04:33	14°♎14'07		
	-3662 Feb 03 j 04:40	0°♏		
retrograde	-3662 Mar 20 j 01:23	2°♏59'08		
	-3662 May 04 j 15:45	30°℞♎		
opposition	-3662 May 20 j 03:24	28°♎03'52	0°32'55	
min. Earth dist.	-3662 May 20 j 17:12	27°♎59'26	4.14452 AU	
direct	-3662 Jul 19 j 14:13	23°♎09'34		
	-3662 Sep 26 j 09:08	0°♏		
evening set	-3662 Nov 20 j 23:03	11°♏53'26		
desc. node	-3662 Nov 21 j 00:29	11°♏54'16		
conjunction	-3662 Dec 03 j 17:53	14°♏54'20	-0°01'36	
minimum elong	-3662 Dec 03 j 17:53	14°♏54'20	0°01'43	
behind sun begin	-3662 Dec 03 j 09:49	14°♏49'36		
behind sun end	-3662 Dec 04 j 01:57	14°♏59'05		
max. Earth dist.	-3662 Dec 03 j 10:00	14°♏49'42	6.09168 AU	
	-3662 Dec 04 j 03:30	15°♏		
morning rise	-3662 Dec 16 j 14:53	17°♏56'34		
	-3661 Feb 10 j 14:03	0°♐		
retrograde	-3661 Apr 25 j 17:56	7°♐38'18		
opposition	-3661 Jun 25 j 11:55	2°♐39'14	-0°39'22	
min. Earth dist.	-3661 Jun 25 j 07:32	2°♐40'41	4.04728 AU	
	-3661 Jul 16 j 22:17	30°℞♏		
direct	-3661 Aug 23 j 14:36	27°♏46'11		
	-3661 Sep 29 j 17:28	0°♐		
evening set	-3661 Dec 25 j 19:13	16°♐54'37		
conjunction	-3660 Jan 07 j 21:09	20°♐01'53	-0°48'03	
minimum elong	-3660 Jan 07 j 21:06	20°♐01'51	0°48'11	
max. Earth dist.	-3660 Jan 08 j 17:09	20°♐13'50	6.01683 AU	
morning rise	-3660 Jan 21 j 02:09	23°♐10'54		
	-3660 Feb 19 j 17:43	0°♑		
retrograde	-3660 Jun 01 j 05:10	13°♑29'32		

Attention, astronomical year style is used: The year -3660 in astronomical counting style is the year 3661 BCE in historical counting style.

opposition	-3660 Jul 31 j 10:01	8°♑26'45	-1°39'19	
min. Earth dist.	-3660 Jul 30 j 12:41	8°♑33'54	4.00403 AU	
direct	-3660 Sep 27 j 13:44	3°♑32'52		
evening set	-3659 Jan 30 j 07:53	22°♑54'30		
conjunction	-3659 Feb 12 j 17:09	26°♑05'21	-1°17'16	
minimum elong	-3659 Feb 12 j 17:07	26°♑05'19	1°17'23	
max. Earth dist.	-3659 Feb 14 j 09:36	26°♑29'24	6.00787 AU	
morning rise	-3659 Feb 26 j 05:50	29°♑17'52		
	-3659 Mar 01 j 05:27	0°♒		
	-3659 May 13 j 19:55	15°♒		
retrograde	-3659 Jul 08 j 00:10	19°♒33'46		
	-3659 Sep 01 j 22:15	15°℞♒		
opposition	-3659 Sep 05 j 18:11	14°♒28'42	-2°01'20	
min. Earth dist.	-3659 Sep 04 j 12:01	14°♒39'00	4.03189 AU	
direct	-3659 Nov 02 j 17:59	9°♒32'02		
	-3658 Jan 01 j 07:15	15°♒		
evening set	-3658 Mar 08 j 12:13	28°♒47'52		
	-3658 Mar 13 j 16:22	0°♓		
conjunction	-3658 Mar 22 j 04:05	1°♓58'46	-1°17'06	
minimum elong	-3658 Mar 22 j 04:07	1°♓58'48	1°17'10	
max. Earth dist.	-3658 Mar 24 j 03:45	2°♓26'35	6.06894 AU	
morning rise	-3658 Apr 04 j 21:50	5°♓10'31		
retrograde	-3658 Aug 12 j 04:55	24°♓44'07		
opposition	-3658 Oct 10 j 15:10	19°♓39'27	-1°37'53	
min. Earth dist.	-3658 Oct 09 j 12:33	19°♓48'33	4.11922 AU	
direct	-3658 Dec 08 j 08:05	14°♓39'29		
	-3657 Mar 29 j 03:40	0°♈		
evening set	-3657 Apr 14 j 02:04	3°♈33'17		
conjunction	-3657 Apr 27 j 20:42	6°♈40'48	-0°49'10	
minimum elong	-3657 Apr 27 j 20:46	6°♈40'50	0°49'10	
max. Earth dist.	-3657 Apr 29 j 07:56	7°♈00'49	6.17507 AU	
morning rise	-3657 May 11 j 15:25	9°♈48'07		
retrograde	-3657 Sep 14 j 08:00	28°♈21'04		
opposition	-3657 Nov 12 j 18:49	23°♈19'12	-0°42'07	
min. Earth dist.	-3657 Nov 12 j 02:57	23°♈24'35	4.23255 AU	
direct	-3656 Jan 11 j 16:18	18°♈16'40		
	-3656 Apr 16 j 16:42	0°♉		
evening set	-3656 May 18 j 04:43	6°♉43'11		
conjunction	-3656 May 31 j 20:34	9°♉44'48	-0°05'56	
minimum elong	-3656 May 31 j 20:35	9°♉44'49	0°05'50	
behind sun begin	-3656 May 31 j 12:41	9°♉40'27		
behind sun end	-3656 Jun 01 j 04:30	9°♉49'11		
max. Earth dist.	-3656 Jun 01 j 08:06	9°♉51'12	6.28743 AU	
morning rise	-3656 Jun 14 j 10:28	12°♉45'17		
	-3656 Jun 24 j 17:00	15°♉		
asc. node	-3656 Jul 22 j 01:36	20°♉40'19		
	-3656 Sep 29 j 06:21	0°♊		
retrograde	-3656 Oct 14 j 23:48	0°♊24'03		
	-3656 Oct 30 j 14:08	30°℞♉		
opposition	-3656 Dec 13 j 14:36	25°♉26'10	0°24'01	
min. Earth dist.	-3656 Dec 13 j 15:20	25°♉25'55	4.33401 AU	
direct	-3655 Feb 12 j 20:24	20°♉22'32		
	-3655 May 10 j 17:26	0°♊		
evening set	-3655 Jun 20 j 14:30	8°♊26'23		
conjunction	-3655 Jul 03 j 22:44	11°♊21'27	0°37'51	
minimum elong	-3655 Jul 03 j 22:41	11°♊21'25	0°37'59	
max. Earth dist.	-3655 Jul 03 j 09:12	11°♊14'02	6.37030 AU	
morning rise	-3655 Jul 17 j 03:49	14°♊14'54		
	-3655 Oct 16 j 11:18	0°♋		
retrograde	-3655 Nov 14 j 17:53	1°♋20'42		
	-3655 Dec 14 j 00:46	30°℞♊		
opposition	-3654 Jan 13 j 18:51	26°♊26'21	1°20'52	
min. Earth dist.	-3654 Jan 14 j 10:33	26°♊21'14	4.39362 AU	
direct	-3654 Mar 17 j 00:08	21°♊23'02		
	-3654 Jun 07 j 05:16	0°♋		
evening set	-3654 Jul 22 j 14:14	9°♋14'46		
max. Earth dist.	-3654 Aug 03 j 04:56	11°♋47'00	6.40125 AU	
conjunction	-3654 Aug 04 j 13:13	12°♋04'42	1°09'53	
minimum elong	-3654 Aug 04 j 13:10	12°♋04'41	1°10'01	
morning rise	-3654 Aug 17 j 08:52	14°♋53'04		
	-3654 Nov 10 j 17:20	0°♌		
retrograde	-3654 Dec 15 j 14:56	1°♌51'54		
	-3653 Jan 19 j 18:34	30°℞♋		
opposition	-3653 Feb 14 j 02:25	26°♋59'55	1°54'35	
min. Earth dist.	-3653 Feb 15 j 05:51	26°♋51'08	4.39546 AU	
direct	-3653 Apr 17 j 19:00	21°♋58'10		
	-3653 Jul 05 j 15:00	0°♌		
evening set	-3653 Aug 22 j 17:35	9°♌49'49		
max. Earth dist.	-3653 Sep 02 j 13:46	12°♌13'41	6.37251 AU	
conjunction	-3653 Sep 04 j 09:11	12°♌37'46	1°22'16	
minimum elong	-3653 Sep 04 j 09:10	12°♌37'46	1°22'23	
	-3653 Sep 15 j 01:50	15°♌		
morning rise	-3653 Sep 16 j 22:29	15°♌24'39		
	-3653 Dec 04 j 20:31	0°♍		
retrograde	-3652 Jan 16 j 10:50	2°♍42'29		
	-3652 Feb 28 j 17:46	30°℞♌		
opposition	-3652 Mar 17 j 07:21	27°♌50'59	1°56'40	
min. Earth dist.	-3652 Mar 18 j 14:51	27°♌40'58	4.33865 AU	
direct	-3652 May 18 j 18:24	22°♌51'40		
	-3652 Jul 30 j 17:38	0°♍		
evening set	-3652 Sep 21 j 18:09	10°♍54'38		
max. Earth dist.	-3652 Oct 02 j 14:49	13°♍21'47	6.29183 AU	
conjunction	-3652 Oct 04 j 06:56	13°♍44'31	1°11'19	
minimum elong	-3652 Oct 04 j 06:59	13°♍44'32	1°11'21	
morning rise	-3652 Oct 16 j 18:32	16°♍34'03		
	-3652 Dec 23 j 15:40	0°♎		
retrograde	-3651 Feb 17 j 20:19	4°♎33'16		
	-3651 Apr 17 j 09:10	30°℞♍		
opposition	-3651 Apr 19 j 22:33	29°♍40'29	1°24'19	
min. Earth dist.	-3651 Apr 21 j 00:13	29°♍32'18	4.23869 AU	
direct	-3651 Jun 20 j 11:38	24°♍44'05		
	-3651 Aug 20 j 04:00	0°♎		
evening set	-3651 Oct 23 j 12:32	13°♎07'34		
max. Earth dist.	-3651 Nov 03 j 23:33	15°♎46'49	6.18148 AU	
conjunction	-3651 Nov 05 j 02:59	16°♎02'45	0°38'20	
minimum elong	-3651 Nov 05 j 03:02	16°♎02'46	0°38'18	
morning rise	-3651 Nov 17 j 18:16	18°♎58'32		
	-3650 Jan 08 j 08:53	0°♏		
retrograde	-3650 Mar 25 j 04:11	7°♏53'29		
opposition	-3650 May 25 j 04:34	2°♏57'44	0°23'06	
min. Earth dist.	-3650 May 25 j 15:55	2°♏54'05	4.12495 AU	
	-3650 Jun 18 j 21:35	30°℞♎		
direct	-3650 Jul 24 j 10:38	28°♎03'45		
	-3650 Aug 28 j 12:33	0°♏		
desc. node	-3650 Sep 30 j 06:42	4°♏46'35		
	-3650 Nov 17 j 17:51	15°♏		
evening set	-3650 Nov 25 j 18:35	16°♏52'45		
conjunction	-3650 Dec 08 j 14:32	19°♏54'49	-0°08'32	
minimum elong	-3650 Dec 08 j 14:31	19°♏54'49	0°08'39	
behind sun begin	-3650 Dec 08 j 07:29	19°♏50'40		
behind sun end	-3650 Dec 08 j 21:34	19°♏58'58		
max. Earth dist.	-3650 Dec 08 j 11:47	19°♏53'13	6.07532 AU	
morning rise	-3650 Dec 21 j 12:36	22°♏58'16		
	-3649 Jan 21 j 09:33	0°♐		

Attention, astronomical year style is used: The year -3649 in astronomical counting style is the year 3650 BCE in historical counting style.

retrograde	-3649 May 01 j 01:29	12°♐47'45	
opposition	-3649 Jun 30 j 17:32	7°♐48'11	-0°49'18
min. Earth dist.	-3649 Jun 30 j 09:59	7°♐50'40	4.03593 AU
direct	-3649 Aug 28 j 15:51	2°♐55'13	
evening set	-3649 Dec 30 j 21:48	22°♐06'41	
conjunction	-3648 Jan 13 j 00:37	25°♐14'37	-0°53'38
minimum elong	-3648 Jan 13 j 00:34	25°♐14'35	0°53'47
max. Earth dist.	-3648 Jan 13 j 23:40	25°♐28'24	6.01120 AU
morning rise	-3648 Jan 26 j 06:52	28°♐24'23	
	-3648 Feb 02 j 00:52	0°♑	
retrograde	-3648 Jun 06 j 10:57	18°♑45'00	
opposition	-3648 Aug 05 j 15:16	13°♑41'41	-1°45'09
min. Earth dist.	-3648 Aug 04 j 15:08	13°♑49'48	4.00482 AU
direct	-3648 Oct 02 j 17:11	8°♑47'28	
evening set	-3647 Feb 04 j 13:50	28°♑08'45	
	-3647 Feb 12 j 09:53	0°♒	
conjunction	-3647 Feb 18 j 00:13	1°♒19'43	-1°19'08
minimum elong	-3647 Feb 18 j 00:12	1°♒19'42	1°19'14
max. Earth dist.	-3647 Feb 19 j 20:19	1°♒45'53	6.01467 AU
morning rise	-3647 Mar 03 j 13:34	4°♒32'12	
	-3647 Apr 19 j 21:12	15°♒	
retrograde	-3647 Jul 13 j 02:22	24°♒43'12	
opposition	-3647 Sep 10 j 18:38	19°♒38'01	-2°00'37
min. Earth dist.	-3647 Sep 09 j 12:57	19°♒48'08	4.04376 AU
	-3647 Oct 25 j 06:14	15°℞♒	
direct	-3647 Nov 07 j 20:45	14°♒40'53	
	-3647 Nov 21 j 11:53	15°♒	
	-3646 Feb 24 j 15:49	0°♓	
evening set	-3646 Mar 13 j 17:01	3°♓53'18	
conjunction	-3646 Mar 27 j 09:23	7°♓03'46	-1°14'38
minimum elong	-3646 Mar 27 j 09:26	7°♓03'48	1°14'41
max. Earth dist.	-3646 Mar 29 j 08:05	7°♓30'53	6.08454 AU
morning rise	-3646 Apr 10 j 03:37	10°♓14'57	
retrograde	-3646 Aug 16 j 21:43	29°♓39'29	
min. Earth dist.	-3646 Oct 14 j 06:27	24°♓44'03	4.13689 AU
opposition	-3646 Oct 15 j 08:41	24°♓35'06	-1°31'30
direct	-3646 Dec 13 j 04:43	19°♓34'42	
	-3645 Mar 11 j 01:24	0°♈	
evening set	-3645 Apr 19 j 01:44	8°♈23'52	
conjunction	-3645 May 02 j 20:17	11°♈30'33	-0°43'42
minimum elong	-3645 May 02 j 20:21	11°♈30'35	0°43'40
max. Earth dist.	-3645 May 04 j 03:55	11°♈48'27	6.19346 AU
morning rise	-3645 May 16 j 14:37	14°♈36'53	
	-3645 Aug 05 j 15:43	0°♉	
retrograde	-3645 Sep 18 j 20:38	3°♉00'51	
	-3645 Nov 01 j 22:45	30°℞♈	
opposition	-3645 Nov 17 j 06:40	27°♈59'32	-0°33'02
min. Earth dist.	-3645 Nov 16 j 17:57	28°♈03'49	4.24986 AU
direct	-3644 Jan 16 j 09:47	22°♈56'44	
	-3644 Mar 28 j 00:21	0°♉	
evening set	-3644 May 22 j 22:08	11°♉19'05	
asc. node	-3644 Jun 01 j 06:28	13°♉22'53	
conjunction	-3644 Jun 05 j 13:13	14°♉19'46	0°00'31
minimum elong	-3644 Jun 05 j 13:13	14°♉19'45	0°00'36
behind sun begin	-3644 Jun 05 j 04:57	14°♉15'12	
behind sun end	-3644 Jun 05 j 21:30	14°♉24'19	
max. Earth dist.	-3644 Jun 05 j 21:26	14°♉24'17	6.30238 AU
	-3644 Jun 08 j 13:54	15°♉	
morning rise	-3644 Jun 19 j 02:00	17°♉19'10	
	-3644 Aug 22 j 20:04	0°♊	
retrograde	-3644 Oct 19 j 05:45	4°♊51'40	
opposition	-3644 Dec 17 j 22:40	29°♉54'18	0°32'50
	-3644 Dec 17 j 05:27	30°℞♉	
min. Earth dist.	-3644 Dec 18 j 01:03	29°♉53'31	4.34575 AU
direct	-3643 Feb 17 j 07:23	24°♉50'36	
	-3643 Apr 19 j 12:45	0°♊	
evening set	-3643 Jun 25 j 02:41	12°♊52'03	
conjunction	-3643 Jul 08 j 09:36	15°♊46'16	0°43'13
minimum elong	-3643 Jul 08 j 09:33	15°♊46'14	0°43'21
max. Earth dist.	-3643 Jul 07 j 16:35	15°♊36'57	6.37796 AU
morning rise	-3643 Jul 21 j 13:21	18°♊38'51	
	-3643 Sep 17 j 00:16	0°♋	
retrograde	-3643 Nov 19 j 01:00	5°♋42'11	
opposition	-3642 Jan 18 j 02:23	0°♋48'17	1°27'10
min. Earth dist.	-3642 Jan 18 j 20:49	0°♋42'19	4.39692 AU
	-3642 Jan 24 j 07:41	30°℞♊	
direct	-3642 Mar 21 j 10:35	25°♊45'06	
	-3642 May 15 j 23:46	0°♋	
evening set	-3642 Jul 26 j 22:46	13°♋36'21	
max. Earth dist.	-3642 Aug 07 j 09:10	16°♋06'26	6.39966 AU
conjunction	-3642 Aug 08 j 20:36	16°♋25'52	1°12'54
minimum elong	-3642 Aug 08 j 20:33	16°♋25'51	1°13'01
morning rise	-3642 Aug 21 j 15:15	19°♋13'52	
	-3642 Oct 14 j 12:28	0°♌	
retrograde	-3642 Dec 19 j 23:47	6°♌14'17	
opposition	-3641 Feb 18 j 12:20	1°♌22'25	1°56'53
min. Earth dist.	-3641 Feb 19 j 16:38	1°♌13'21	4.38940 AU
	-3641 Mar 01 j 09:09	30°℞♋	
direct	-3641 Apr 22 j 04:23	26°♋20'54	
	-3641 Jun 12 j 09:09	0°♌	
evening set	-3641 Aug 27 j 01:05	14°♌14'03	
	-3641 Aug 30 j 12:16	15°♌	
max. Earth dist.	-3641 Sep 06 j 21:33	16°♌38'26	6.36243 AU
conjunction	-3641 Sep 08 j 16:08	17°♌02'07	1°22'09
minimum elong	-3641 Sep 08 j 16:08	17°♌02'08	1°22'16
morning rise	-3641 Sep 21 j 04:47	19°♌49'10	
	-3641 Nov 09 j 20:14	0°♍	
retrograde	-3640 Jan 21 j 00:25	7°♍12'04	
opposition	-3640 Mar 21 j 21:53	2°♍20'32	1°54'11
min. Earth dist.	-3640 Mar 23 j 05:09	2°♍10'36	4.32529 AU
	-3640 Apr 10 j 02:26	30°℞♌	
direct	-3640 May 23 j 06:21	27°♌21'40	
	-3640 Jul 04 j 22:49	0°♍	
evening set	-3640 Sep 26 j 03:41	15°♍27'33	
max. Earth dist.	-3640 Oct 07 j 00:19	17°♍55'17	6.27636 AU
conjunction	-3640 Oct 08 j 16:19	18°♍18'03	1°07'54
minimum elong	-3640 Oct 08 j 16:22	18°♍18'04	1°07'56
morning rise	-3640 Oct 21 j 04:20	21°♍08'22	
	-3640 Dec 01 j 14:10	0°♎	
retrograde	-3639 Feb 22 j 17:11	9°♎15'06	
opposition	-3639 Apr 24 j 18:56	4°♎21'58	1°17'11
min. Earth dist.	-3639 Apr 25 j 18:46	4°♎14'21	4.22222 AU
	-3639 Jun 06 j 01:11	30°℞♍	
direct	-3639 Jun 25 j 04:10	29°♍25'56	
	-3639 Jul 14 j 06:38	0°♎	
evening set	-3639 Oct 28 j 02:09	17°♎52'59	
conjunction	-3639 Nov 09 j 17:22	20°♎49'07	0°32'19
minimum elong	-3639 Nov 09 j 17:24	20°♎49'09	0°32'16
max. Earth dist.	-3639 Nov 08 j 18:27	20°♎35'46	6.16580 AU
morning rise	-3639 Nov 22 j 09:19	23°♎45'55	
	-3639 Dec 20 j 02:44	0°♏	
retrograde	-3638 Mar 30 j 06:22	12°♏48'42	
opposition	-3638 May 30 j 06:09	7°♏52'28	0°13'04
min. Earth dist.	-3638 May 30 j 14:48	7°♏49'41	4.11150 AU

Attention, astronomical year style is used: The year -3638 in astronomical counting style is the year 3639 BCE in historical counting style.

direct	-3638 Jul 29 j 07:37	2°♏58'48		
desc. node	-3638 Aug 10 j 03:25	3°♏12'26		
	-3638 Oct 31 j 13:14	15°♏		
evening set	-3638 Nov 30 j 14:01	21°♏50'38		
conjunction	-3638 Dec 13 j 10:39	24°♏53'30	-0°15'21	
minimum elong	-3638 Dec 13 j 10:38	24°♏53'29	0°15'27	
behind sun begin	-3638 Dec 13 j 08:05	24°♏51'59		
behind sun end	-3638 Dec 13 j 13:10	24°♏55'00		
max. Earth dist.	-3638 Dec 13 j 10:51	24°♏53'37	6.06525 AU	
morning rise	-3638 Dec 26 j 09:55	27°♏57'52		
	-3637 Jan 04 j 02:26	0°♐		
retrograde	-3637 May 06 j 05:32	17°♐52'35		
opposition	-3637 Jul 05 j 21:03	12°♐52'23	-0°58'41	
min. Earth dist.	-3637 Jul 05 j 10:02	12°♐56'01	4.03039 AU	
direct	-3637 Sep 02 j 15:47	7°♐59'21		
evening set	-3636 Jan 04 j 22:13	27°♐11'57		
	-3636 Jan 16 j 16:06	0°♑		
conjunction	-3636 Jan 18 j 02:09	0°♑20'21	-0°58'41	
minimum elong	-3636 Jan 18 j 02:06	0°♑20'19	0°58'49	
max. Earth dist.	-3636 Jan 19 j 06:07	0°♑37'03	6.01058 AU	
morning rise	-3636 Jan 31 j 09:14	3°♑30'30		
retrograde	-3636 Jun 11 j 14:43	23°♑50'59		
opposition	-3636 Aug 10 j 16:41	18°♑47'17	-1°49'56	
min. Earth dist.	-3636 Aug 09 j 16:00	18°♑55'37	4.00935 AU	
direct	-3636 Oct 07 j 18:11	13°♑52'45		
	-3635 Jan 26 j 21:39	0°♒		
evening set	-3635 Feb 09 j 16:25	3°♒12'40		
conjunction	-3635 Feb 23 j 03:34	6°♒23'36	-1°20'19	
minimum elong	-3635 Feb 23 j 03:34	6°♒23'35	1°20'26	
max. Earth dist.	-3635 Feb 25 j 00:18	6°♒50'03	6.02355 AU	
morning rise	-3635 Mar 08 j 17:51	9°♒36'01		
	-3635 Apr 01 j 06:51	15°♒		
retrograde	-3635 Jul 17 j 22:32	29°♒41'21		
min. Earth dist.	-3635 Sep 14 j 08:18	24°♒46'31	4.05615 AU	
opposition	-3635 Sep 15 j 14:39	24°♒36'10	-1°59'01	
direct	-3635 Nov 12 j 17:39	19°♒38'35		
	-3634 Feb 06 j 18:21	0°♓		
evening set	-3634 Mar 18 j 17:38	8°♓47'46		
conjunction	-3634 Apr 01 j 10:32	11°♓57'49	-1°11'43	
minimum elong	-3634 Apr 01 j 10:36	11°♓57'51	1°11'45	
max. Earth dist.	-3634 Apr 03 j 07:04	12°♓23'34	6.09928 AU	
morning rise	-3634 Apr 15 j 05:04	15°♓08'27		
	-3634 Jun 28 j 09:46	0°♈		
retrograde	-3634 Aug 21 j 13:05	4°♈24'50		
	-3634 Oct 15 j 03:32	30°℞♓		
opposition	-3634 Oct 19 j 22:49	29°♓20'48	-1°24'45	
min. Earth dist.	-3634 Oct 18 j 23:12	29°♓28'51	4.15223 AU	
direct	-3634 Dec 17 j 23:43	24°♓20'01		
	-3633 Feb 18 j 03:14	0°♈		
evening set	-3633 Apr 23 j 22:01	13°♈05'35		
conjunction	-3633 May 07 j 16:34	16°♈11'38	-0°38'07	
minimum elong	-3633 May 07 j 16:37	16°♈11'40	0°38'04	
max. Earth dist.	-3633 May 08 j 21:58	16°♈28'13	6.20837 AU	
morning rise	-3633 May 21 j 10:24	19°♈17'09		
	-3633 Jul 12 j 01:15	0°♉		
retrograde	-3633 Sep 23 j 04:56	7°♉33'41		
opposition	-3633 Nov 21 j 15:54	2°♉32'58	-0°24'00	
min. Earth dist.	-3633 Nov 21 j 04:37	2°♉36'45	4.26307 AU	
	-3633 Dec 11 j 13:59	30°℞♈		
direct	-3632 Jan 20 j 21:52	27°♈30'01		
	-3632 Mar 01 j 18:26	0°♉		
asc. node	-3632 Apr 12 j 06:10	6°♉27'14		
	-3632 May 23 j 18:33	15°♉		
evening set	-3632 May 27 j 13:37	15°♉49'50		
conjunction	-3632 Jun 10 j 03:45	18°♉49'43	0°06'46	
minimum elong	-3632 Jun 10 j 03:44	18°♉49'42	0°06'51	
behind sun begin	-3632 Jun 09 j 20:04	18°♉45'30		
behind sun end	-3632 Jun 10 j 11:23	18°♉53'55		
max. Earth dist.	-3632 Jun 10 j 07:04	18°♉51'31	6.31302 AU	
morning rise	-3632 Jun 23 j 15:37	21°♉48'17		
	-3632 Aug 01 j 21:32	0°♊		
retrograde	-3632 Oct 23 j 13:39	9°♊16'19		
opposition	-3632 Dec 22 j 06:08	4°♊19'32	0°41'18	
min. Earth dist.	-3632 Dec 22 j 11:44	4°♊17'41	4.35319 AU	
	-3631 Jan 30 j 22:47	30°℞♉		
direct	-3631 Feb 21 j 18:54	29°♉15'52		
	-3631 Mar 15 j 19:53	0°♊		
evening set	-3631 Jun 29 j 13:46	17°♊16'14		
conjunction	-3631 Jul 12 j 19:37	20°♊09'51	0°48'15	
minimum elong	-3631 Jul 12 j 19:34	20°♊09'49	0°48'23	
max. Earth dist.	-3631 Jul 12 j 00:23	19°♊59'19	6.38160 AU	
morning rise	-3631 Jul 25 j 22:02	23°♊01'46		
	-3631 Aug 28 j 05:31	0°♋		
retrograde	-3631 Nov 23 j 07:06	10°♋04'08		
opposition	-3630 Jan 22 j 10:20	5°♋10'37	1°32'56	
min. Earth dist.	-3630 Jan 23 j 05:27	5°♋04'25	4.39694 AU	
direct	-3630 Mar 25 j 18:58	0°♋07'40		
evening set	-3630 Jul 31 j 07:31	17°♋59'21		
max. Earth dist.	-3630 Aug 11 j 15:38	20°♋28'26	6.39605 AU	
conjunction	-3630 Aug 13 j 04:10	20°♋48'31	1°15'28	
minimum elong	-3630 Aug 13 j 04:08	20°♋48'30	1°15'36	
morning rise	-3630 Aug 25 j 21:47	23°♋36'15		
	-3630 Sep 25 j 04:44	0°♌		
retrograde	-3630 Dec 24 j 10:09	10°♌38'51		
opposition	-3629 Feb 22 j 23:12	5°♌47'11	1°58'30	
min. Earth dist.	-3629 Feb 24 j 04:44	5°♌37'45	4.38253 AU	
direct	-3629 Apr 26 j 15:34	0°♌46'04		
	-3629 Aug 14 j 11:24	15°♌		
evening set	-3629 Aug 31 j 09:08	18°♌40'38		
max. Earth dist.	-3629 Sep 11 j 04:08	21°♌04'37	6.35273 AU	
conjunction	-3629 Sep 12 j 23:33	21°♌28'50	1°21'33	
minimum elong	-3629 Sep 12 j 23:34	21°♌28'51	1°21'38	
morning rise	-3629 Sep 25 j 11:54	24°♌16'08		
	-3629 Oct 22 j 01:37	0°♍		
retrograde	-3628 Jan 25 j 14:34	11°♍43'54		
opposition	-3628 Mar 26 j 13:10	6°♍52'11	1°50'58	
min. Earth dist.	-3628 Mar 27 j 19:10	6°♍42'39	4.31336 AU	
direct	-3628 May 27 j 18:45	1°♍53'42		
evening set	-3628 Sep 30 j 12:59	20°♍01'43		
max. Earth dist.	-3628 Oct 11 j 13:06	22°♍31'50	6.26323 AU	
conjunction	-3628 Oct 13 j 01:49	22°♍52'47	1°04'03	
minimum elong	-3628 Oct 13 j 01:52	22°♍52'49	1°04'04	
morning rise	-3628 Oct 25 j 13:57	25°♍43'45		
	-3628 Nov 13 j 17:55	0°♎		
retrograde	-3627 Feb 27 j 12:57	13°♎57'08		
opposition	-3627 Apr 29 j 15:11	9°♎03'38	1°09'32	
min. Earth dist.	-3627 Apr 30 j 13:41	8°♎56'27	4.20846 AU	
direct	-3627 Jun 29 j 21:10	4°♎08'00		
evening set	-3627 Nov 01 j 15:19	22°♎37'35		
max. Earth dist.	-3627 Nov 13 j 09:36	25°♎22'02	6.15253 AU	
conjunction	-3627 Nov 14 j 06:57	25°♎34'30	0°26'06	
minimum elong	-3627 Nov 14 j 06:58	25°♎34'31	0°26'02	
morning rise	-3627 Nov 26 j 23:52	28°♎32'15		

Attention, astronomical year style is used: The year -3627 in astronomical counting style is the year 3628 BCE in historical counting style.

	-3627 Dec 03 j 07:43	0°♏	
	-3626 Feb 20 j 19:14	15°♏	
retrograde	-3626 Apr 04 j 06:11	17°♏42'01	
	-3626 May 17 j 05:27	15°℞♏	
opposition	-3626 Jun 04 j 06:11	12°♏45'13	0°02'59
min. Earth dist.	-3626 Jun 04 j 11:40	12°♏43'27	4.09962 AU
desc. node	-3626 Jun 20 j 14:32	10°♏42'10	
direct	-3626 Aug 03 j 03:13	7°♏51'41	
	-3626 Oct 11 j 23:37	15°♏	
evening set	-3626 Dec 05 j 08:26	26°♏46'10	
conjunction	-3626 Dec 18 j 06:07	29°♏49'51	-0°22'00
minimum elong	-3626 Dec 18 j 06:05	29°♏49'50	0°22'07
max. Earth dist.	-3626 Dec 18 j 11:09	29°♏52'50	6.05590 AU
	-3626 Dec 18 j 23:11	0°♐	
morning rise	-3626 Dec 31 j 06:15	2°♐55'03	
retrograde	-3625 May 11 j 10:01	22°♐54'41	
opposition	-3625 Jul 10 j 22:54	17°♐53'57	-1°07'35
min. Earth dist.	-3625 Jul 10 j 10:38	17°♐58'00	4.02455 AU
direct	-3625 Sep 07 j 15:04	13°♐00'48	
	-3625 Dec 31 j 08:52	0°♑	
evening set	-3624 Jan 09 j 21:54	2°♑15'01	
conjunction	-3624 Jan 23 j 02:43	5°♑23'54	-1°03'16
minimum elong	-3624 Jan 23 j 02:40	5°♑23'52	1°03'23
max. Earth dist.	-3624 Jan 24 j 08:32	5°♑41'42	6.00853 AU
morning rise	-3624 Feb 05 j 10:59	8°♑34'36	
retrograde	-3624 Jun 16 j 15:19	28°♑55'23	
opposition	-3624 Aug 15 j 16:49	23°♑51'20	-1°53'55
min. Earth dist.	-3624 Aug 14 j 14:06	24°♑00'21	4.01161 AU
direct	-3624 Oct 12 j 16:30	18°♑56'25	
	-3623 Jan 09 j 03:29	0°♒	
evening set	-3623 Feb 14 j 18:52	8°♒16'05	
conjunction	-3623 Feb 28 j 06:59	11°♒27'08	-1°20'55
minimum elong	-3623 Feb 28 j 06:59	11°♒27'08	1°21'02
max. Earth dist.	-3623 Mar 02 j 04:02	11°♒53'44	6.02970 AU
morning rise	-3623 Mar 13 j 21:59	14°♒39'33	
	-3623 Mar 15 j 08:59	15°♒	
	-3623 May 27 j 23:42	0°♓	
retrograde	-3623 Jul 22 j 20:14	4°♓40'17	
	-3623 Sep 17 j 09:31	30°℞♒	
min. Earth dist.	-3623 Sep 19 j 05:28	29°♒45'00	4.06540 AU
opposition	-3623 Sep 20 j 10:37	29°♒35'03	-1°56'36
direct	-3623 Nov 17 j 16:39	24°♒36'56	
	-3622 Jan 16 j 02:04	0°♓	
evening set	-3622 Mar 23 j 19:15	13°♓44'06	
conjunction	-3622 Apr 06 j 12:50	16°♓53'54	-1°08'16
minimum elong	-3622 Apr 06 j 12:53	16°♓53'56	1°08'19
max. Earth dist.	-3622 Apr 08 j 08:57	17°♓19'21	6.11090 AU
morning rise	-3622 Apr 20 j 07:33	20°♓04'07	
	-3622 Jun 05 j 10:49	0°♈	
retrograde	-3622 Aug 26 j 04:28	9°♈13'09	
opposition	-3622 Oct 24 j 13:46	4°♈09'28	-1°17'23
min. Earth dist.	-3622 Oct 23 j 15:00	4°♈17'13	4.16495 AU
	-3622 Nov 29 j 22:07	30°℞♓	
direct	-3622 Dec 22 j 17:01	29°♓08'18	
	-3621 Jan 14 j 19:02	0°♈	
evening set	-3621 Apr 28 j 20:08	17°♈51'10	
conjunction	-3621 May 12 j 14:19	20°♈56'34	-0°32'10
minimum elong	-3621 May 12 j 14:22	20°♈56'36	0°32'07
max. Earth dist.	-3621 May 13 j 15:05	21°♈10'30	6.22118 AU
morning rise	-3621 May 26 j 07:51	24°♈01'21	
	-3621 Jun 22 j 21:26	0°♉	
retrograde	-3621 Sep 27 j 16:17	12°♉11'09	
opposition	-3621 Nov 26 j 03:20	7°♉10'54	-0°14'39
min. Earth dist.	-3621 Nov 25 j 18:47	7°♉13'47	4.27482 AU
direct	-3620 Jan 25 j 14:05	2°♉07'45	
asc. node	-3620 Feb 20 j 21:56	3°♉12'02	
	-3620 May 06 j 22:13	15°♉	
evening set	-3620 Jun 01 j 06:55	20°♉25'15	
conjunction	-3620 Jun 14 j 20:15	23°♉24'22	0°13'04
minimum elong	-3620 Jun 14 j 20:14	23°♉24'21	0°13'11
behind sun begin	-3620 Jun 14 j 15:33	23°♉21'47	
behind sun end	-3620 Jun 15 j 00:56	23°♉26'56	
max. Earth dist.	-3620 Jun 14 j 21:54	23°♉25'16	6.32304 AU
morning rise	-3620 Jun 28 j 06:49	26°♉22'01	
	-3620 Jul 15 j 02:42	0°♊	
retrograde	-3620 Oct 27 j 21:12	13°♊45'39	
opposition	-3620 Dec 26 j 15:38	8°♊49'23	0°49'44
min. Earth dist.	-3620 Dec 26 j 22:06	8°♊47'16	4.36110 AU
direct	-3619 Feb 26 j 06:45	3°♊45'50	
evening set	-3619 Jul 04 j 03:01	21°♊44'41	
max. Earth dist.	-3619 Jul 16 j 08:50	24°♊25'09	6.38693 AU
conjunction	-3619 Jul 17 j 07:22	24°♊37'30	0°53'09
minimum elong	-3619 Jul 17 j 07:19	24°♊37'28	0°53'17
morning rise	-3619 Jul 30 j 08:35	27°♊28'41	
	-3619 Aug 11 j 01:16	0°♋	
retrograde	-3619 Nov 27 j 16:22	14°♋29'24	
opposition	-3618 Jan 26 j 20:14	9°♋36'15	1°38'18
min. Earth dist.	-3618 Jan 27 j 17:29	9°♋29'23	4.39973 AU
direct	-3618 Mar 30 j 07:59	4°♋33'31	
evening set	-3618 Aug 04 j 17:04	22°♋24'18	
max. Earth dist.	-3618 Aug 15 j 23:40	24°♋52'39	6.39603 AU
conjunction	-3618 Aug 17 j 12:42	25°♋13'02	1°17'40
minimum elong	-3618 Aug 17 j 12:40	25°♋13'00	1°17'49
morning rise	-3618 Aug 30 j 05:13	28°♋00'19	
	-3618 Sep 08 j 09:36	0°♌	
	-3618 Dec 22 j 08:45	15°♌	
retrograde	-3618 Dec 28 j 18:53	15°♌03'56	
	-3617 Jan 04 j 05:04	15°℞♌	
opposition	-3617 Feb 27 j 10:50	10°♌12'20	1°59'26
min. Earth dist.	-3617 Feb 28 j 15:42	10°♌03'07	4.37994 AU
direct	-3617 May 01 j 02:08	5°♌11'34	
	-3617 Jul 28 j 04:05	15°♌	
evening set	-3617 Sep 04 j 16:46	23°♌05'54	
max. Earth dist.	-3617 Sep 15 j 12:21	25°♌30'27	6.34775 AU
conjunction	-3617 Sep 17 j 06:32	25°♌54'02	1°20'29
minimum elong	-3617 Sep 17 j 06:33	25°♌54'02	1°20'33
morning rise	-3617 Sep 29 j 18:25	28°♌41'21	
	-3617 Oct 05 j 16:37	0°♍	
retrograde	-3616 Jan 30 j 04:15	16°♍12'31	
opposition	-3616 Mar 31 j 03:46	11°♍20'42	1°47'05
min. Earth dist.	-3616 Apr 01 j 10:01	11°♍11'05	4.30606 AU
direct	-3616 Jun 01 j 08:41	6°♍22'37	
evening set	-3616 Oct 04 j 20:53	24°♍31'13	
max. Earth dist.	-3616 Oct 15 j 21:23	27°♍01'55	6.25421 AU
conjunction	-3616 Oct 17 j 09:42	27°♍22'41	0°59'52
minimum elong	-3616 Oct 17 j 09:46	27°♍22'43	0°59'53
	-3616 Oct 28 j 21:18	0°♎	
morning rise	-3616 Oct 29 j 22:15	0°♎14'11	
retrograde	-3615 Mar 04 j 05:04	18°♎32'54	
opposition	-3615 May 04 j 08:53	13°♎39'01	1°01'34
min. Earth dist.	-3615 May 05 j 05:03	13°♎32'34	4.19817 AU
direct	-3615 Jul 04 j 10:46	8°♎43'42	
evening set	-3615 Nov 06 j 01:52	27°♎15'00	
	-3615 Nov 17 j 20:36	0°♏	

Attention, astronomical year style is used: The year -3615 in astronomical counting style is the year 3616 BCE in historical counting style.

conjunction	-3615 Nov 18 j 18:12	0°♏12'38	0°19'52
minimum elong	-3615 Nov 18 j 18:13	0°♏12'39	0°19'49
max. Earth dist.	-3615 Nov 18 j 00:29	0°♏02'16	6.14196 AU
morning rise	-3615 Dec 01 j 11:46	3°♏11'11	
	-3614 Jan 25 j 20:11	15°♏	
retrograde	-3614 Apr 09 j 05:20	22°♏27'10	
desc. node	-3614 May 02 j 15:53	21°♏35'48	
opposition	-3614 Jun 09 j 03:07	17°♏29'57	-0°06'51
min. Earth dist.	-3614 Jun 09 j 07:43	17°♏28'27	4.08948 AU
	-3614 Jun 29 j 08:15	15°℞♏	
direct	-3614 Aug 07 j 21:03	12°♏36'33	
	-3614 Sep 15 j 16:08	15°♏	
	-3614 Dec 03 j 09:01	0°♐	
evening set	-3614 Dec 09 j 23:57	1°♐33'30	
conjunction	-3614 Dec 22 j 22:23	4°♐37'56	-0°28'18
minimum elong	-3614 Dec 22 j 22:21	4°♐37'55	0°28'26
max. Earth dist.	-3614 Dec 23 j 05:04	4°♐41'55	6.04704 AU
morning rise	-3613 Jan 04 j 23:43	7°♐44'01	
retrograde	-3613 May 16 j 08:49	27°♐48'34	
opposition	-3613 Jul 15 j 21:02	22°♐47'23	-1°15'45
min. Earth dist.	-3613 Jul 15 j 06:13	22°♐52'18	4.01811 AU
direct	-3613 Sep 12 j 08:38	17°♐54'08	
	-3613 Dec 14 j 12:56	0°♑	
evening set	-3612 Jan 14 j 19:00	7°♑10'48	
conjunction	-3612 Jan 28 j 00:52	10°♑20'18	-1°07'15
minimum elong	-3612 Jan 28 j 00:49	10°♑20'16	1°07'22
max. Earth dist.	-3612 Jan 29 j 08:50	10°♑39'23	6.00501 AU
morning rise	-3612 Feb 10 j 10:05	13°♑31'34	
	-3612 May 01 j 20:09	0°♒	
retrograde	-3612 Jun 21 j 15:20	3°♒53'31	
	-3612 Aug 11 j 19:05	30°℞♑	
min. Earth dist.	-3612 Aug 19 j 11:24	28°♑58'14	4.01150 AU
opposition	-3612 Aug 20 j 14:04	28°♑49'12	-1°56'59
direct	-3612 Oct 17 j 14:00	23°♑53'55	
	-3612 Dec 19 j 13:12	0°♒	
evening set	-3611 Feb 19 j 19:28	13°♒14'39	
	-3611 Feb 27 j 06:42	15°♒	
conjunction	-3611 Mar 05 j 08:40	16°♒26'01	-1°20'55
minimum elong	-3611 Mar 05 j 08:41	16°♒26'01	1°21'00
max. Earth dist.	-3611 Mar 07 j 07:20	16°♒53'30	6.03311 AU
morning rise	-3611 Mar 19 j 00:29	19°♒38'38	
	-3611 May 05 j 03:47	0°♓	
retrograde	-3611 Jul 27 j 16:43	9°♓35'48	
min. Earth dist.	-3611 Sep 23 j 23:45	4°♓40'39	4.07210 AU
opposition	-3611 Sep 25 j 04:56	4°♓30'41	-1°53'23
	-3611 Nov 06 j 00:54	30°℞♒	
direct	-3611 Nov 22 j 11:25	29°♒32'12	
	-3611 Dec 09 j 01:14	0°♓	
evening set	-3610 Mar 28 j 19:55	18°♓38'25	
conjunction	-3610 Apr 11 j 13:52	21°♓48'02	-1°04'21
minimum elong	-3610 Apr 11 j 13:56	21°♓48'04	1°04'23
max. Earth dist.	-3610 Apr 13 j 07:10	22°♓11'47	6.12038 AU
morning rise	-3610 Apr 25 j 09:02	24°♓57'58	
	-3610 May 17 j 21:56	0°♈	
retrograde	-3610 Aug 30 j 18:50	14°♈00'35	
min. Earth dist.	-3610 Oct 28 j 06:58	9°♈04'29	4.17611 AU
opposition	-3610 Oct 29 j 04:16	8°♈57'14	-1°09'33
direct	-3610 Dec 27 j 11:19	3°♈55'42	
evening set	-3609 May 03 j 17:31	22°♈36'14	
conjunction	-3609 May 17 j 11:35	25°♈41'01	-0°26'02
minimum elong	-3609 May 17 j 11:37	25°♈41'03	0°25'59
max. Earth dist.	-3609 May 18 j 11:18	25°♈54'20	6.23349 AU
morning rise	-3609 May 31 j 04:20	28°♈45'00	
	-3609 Jun 05 j 19:42	0°♉	
	-3609 Aug 29 j 08:39	15°♉	
retrograde	-3609 Oct 02 j 02:30	16°♉48'05	
	-3609 Nov 04 j 15:39	15°℞♉	
opposition	-3609 Nov 30 j 14:15	11°♉48'22	-0°05'15
min. Earth dist.	-3609 Nov 30 j 06:57	11°♉50'49	4.28703 AU
asc. node	-3609 Dec 31 j 16:05	8°♉07'08	
direct	-3608 Jan 30 j 04:37	6°♉45'06	
	-3608 Apr 18 j 02:11	15°♉	
evening set	-3608 Jun 05 j 23:30	24°♉59'46	
conjunction	-3608 Jun 19 j 11:37	27°♉57'57	0°19'17
minimum elong	-3608 Jun 19 j 11:36	27°♉57'56	0°19'24
max. Earth dist.	-3608 Jun 19 j 09:02	27°♉56'32	6.33405 AU
	-3608 Jun 28 j 17:23	0°♊	
morning rise	-3608 Jul 02 j 21:09	0°♊54'40	
retrograde	-3608 Nov 01 j 05:00	18°♊13'33	
opposition	-3608 Dec 31 j 00:36	13°♊17'40	0°57'49
min. Earth dist.	-3608 Dec 31 j 09:31	13°♊14'45	4.37000 AU
direct	-3607 Mar 02 j 20:14	8°♊14'03	
evening set	-3607 Jul 08 j 14:15	26°♊10'41	
conjunction	-3607 Jul 21 j 17:27	29°♊02'44	0°57'42
minimum elong	-3607 Jul 21 j 17:24	29°♊02'42	0°57'50
max. Earth dist.	-3607 Jul 20 j 17:58	28°♊49'52	6.39270 AU
	-3607 Jul 26 j 02:02	0°♋	
morning rise	-3607 Aug 03 j 17:09	1°♋53'05	
retrograde	-3607 Dec 01 j 22:02	18°♋52'09	
opposition	-3606 Jan 31 j 05:00	13°♋59'15	1°43'04
min. Earth dist.	-3606 Feb 01 j 02:52	13°♋52'12	4.40190 AU
direct	-3606 Apr 03 j 17:45	8°♋56'43	
evening set	-3606 Aug 09 j 01:02	26°♋46'40	
max. Earth dist.	-3606 Aug 20 j 04:11	29°♋13'21	6.39406 AU
conjunction	-3606 Aug 21 j 19:27	29°♋34'59	1°19'27
minimum elong	-3606 Aug 21 j 19:25	29°♋34'58	1°19'34
	-3606 Aug 23 j 16:51	0°♌	
morning rise	-3606 Sep 03 j 11:07	2°♌21'58	
	-3606 Nov 07 j 18:32	15°♌	
retrograde	-3605 Jan 02 j 05:16	19°♌27'27	
	-3605 Feb 28 j 18:11	15°℞♌	
opposition	-3605 Mar 03 j 21:53	14°♌35'55	1°59'46
min. Earth dist.	-3605 Mar 05 j 04:30	14°♌26'09	4.37381 AU
direct	-3605 May 05 j 14:19	9°♌35'24	
	-3605 Jul 07 j 15:05	15°♌	
evening set	-3605 Sep 08 j 23:40	27°♌30'40	
max. Earth dist.	-3605 Sep 19 j 18:47	29°♌55'19	6.33782 AU
	-3605 Sep 20 j 03:08	0°♍	
conjunction	-3605 Sep 21 j 13:06	0°♍19'02	1°18'58
minimum elong	-3605 Sep 21 j 13:08	0°♍19'03	1°19'03
morning rise	-3605 Oct 04 j 00:44	3°♍06'40	
retrograde	-3604 Feb 03 j 17:09	20°♍43'03	
opposition	-3604 Apr 04 j 18:57	15°♍51'00	1°42'36
min. Earth dist.	-3604 Apr 05 j 23:42	15°♍41'52	4.29288 AU
direct	-3604 Jun 05 j 20:05	10°♍53'16	
evening set	-3604 Oct 09 j 05:55	29°♍04'31	
	-3604 Oct 13 j 07:18	0°♎	
max. Earth dist.	-3604 Oct 20 j 08:49	1°♎37'06	6.23894 AU
conjunction	-3604 Oct 21 j 18:59	1°♎56'41	0°55'18
minimum elong	-3604 Oct 21 j 19:02	1°♎56'43	0°55'17
morning rise	-3604 Nov 03 j 07:56	4°♎49'02	
retrograde	-3603 Mar 09 j 03:18	23°♎15'31	
opposition	-3603 May 09 j 05:44	18°♎21'15	0°53'03
min. Earth dist.	-3603 May 10 j 01:13	18°♎15'01	4.18158 AU

Attention, astronomical year style is used: The year -3603 in astronomical counting style is the year 3604 BCE in historical counting style.

direct	-3603 Jul 09 j 04:26	13°♎26'14		
	-3603 Nov 01 j 22:16	0°♏		
evening set	-3603 Nov 10 j 16:03	2°♏01'21		
conjunction	-3603 Nov 23 j 09:04	5°♏00'00	0°13'20	
minimum elong	-3603 Nov 23 j 09:05	5°♏00'01	0°13'15	
behind sun begin	-3603 Nov 23 j 04:17	4°♏57'12		
behind sun end	-3603 Nov 23 j 13:54	5°♏02'49		
max. Earth dist.	-3603 Nov 22 j 17:21	4°♏50'47	6.12564 AU	
morning rise	-3603 Dec 06 j 03:43	7°♏59'42		
	-3602 Jan 06 j 05:24	15°♏		
desc. node	-3602 Mar 13 j 00:23	25°♏48'13		
retrograde	-3602 Apr 14 j 07:01	27°♏23'56		
opposition	-3602 Jun 14 j 04:33	22°♏26'10	-0°17'03	
min. Earth dist.	-3602 Jun 14 j 05:44	22°♏25'47	4.07496 AU	
direct	-3602 Aug 12 j 16:33	17°♏32'56		
	-3602 Nov 16 j 07:18	0°♐		
evening set	-3602 Dec 14 j 21:09	6°♐33'55		
conjunction	-3602 Dec 27 j 20:38	9°♐39'18	-0°34'43	
minimum elong	-3602 Dec 27 j 20:35	9°♐39'16	0°34'51	
max. Earth dist.	-3602 Dec 28 j 07:17	9°♐45'39	6.03567 AU	
morning rise	-3601 Jan 09 j 23:00	12°♐46'21		
	-3601 Apr 07 j 14:00	0°♑		
retrograde	-3601 May 21 j 15:06	2°♑56'26		
	-3601 Jul 04 j 20:15	30°℞♐		
min. Earth dist.	-3601 Jul 20 j 08:26	28°♐00'13	4.01127 AU	
opposition	-3601 Jul 21 j 00:52	27°♐54'44	-1°23'47	
direct	-3601 Sep 17 j 10:29	23°♐01'21		
	-3601 Nov 24 j 06:06	0°♑		
evening set	-3600 Jan 19 j 22:10	12°♑20'20		
conjunction	-3600 Feb 02 j 05:11	15°♑30'24	-1°10'56	
minimum elong	-3600 Feb 02 j 05:08	15°♑30'22	1°11'05	
max. Earth dist.	-3600 Feb 03 j 17:12	15°♑51'53	6.00341 AU	
morning rise	-3600 Feb 15 j 15:28	18°♑42'11		
	-3600 Apr 06 j 20:36	0°♒		
retrograde	-3600 Jun 26 j 19:42	9°♒03'35		
min. Earth dist.	-3600 Aug 24 j 11:55	4°♒08'39	4.01592 AU	
opposition	-3600 Aug 25 j 16:12	3°♒59'04	-1°59'18	
	-3600 Sep 29 j 03:20	30°℞♑		
direct	-3600 Oct 22 j 15:07	29°♑03'28		
	-3600 Nov 15 j 04:42	0°♒		
	-3599 Feb 10 j 09:31	15°♒		
evening set	-3599 Feb 25 j 00:56	18°♒23'10		
conjunction	-3599 Mar 10 j 14:48	21°♒34'25	-1°20'20	
minimum elong	-3599 Mar 10 j 14:50	21°♒34'26	1°20'24	
max. Earth dist.	-3599 Mar 12 j 13:16	22°♒01'43	6.04309 AU	
morning rise	-3599 Mar 24 j 07:26	24°♒46'53		
	-3599 Apr 16 j 04:46	0°♓		
retrograde	-3599 Aug 01 j 13:03	14°♓37'13		
min. Earth dist.	-3599 Sep 28 j 20:27	9°♓42'09	4.08667 AU	
opposition	-3599 Sep 30 j 01:39	9°♓32'09	-1°49'17	
direct	-3599 Nov 27 j 11:00	4°♓33'13		
evening set	-3598 Apr 02 j 22:11	23°♓35'18		
conjunction	-3598 Apr 16 j 16:34	26°♓44'16	-1°00'00	
minimum elong	-3598 Apr 16 j 16:38	26°♓44'18	1°00'00	
max. Earth dist.	-3598 Apr 18 j 09:42	27°♓07'50	6.13853 AU	
morning rise	-3598 Apr 30 j 11:30	29°♓53'19		
	-3598 Apr 30 j 23:16	0°♈		
retrograde	-3598 Sep 04 j 09:02	18°♈46'04		
opposition	-3598 Nov 02 j 18:17	13°♈43'09	-1°01'18	
min. Earth dist.	-3598 Nov 01 j 22:39	13°♈49'49	4.19580 AU	
direct	-3597 Jan 01 j 05:54	8°♈41'21		
evening set	-3597 May 08 j 13:21	27°♈16'30		
	-3597 May 20 j 18:34	0°♉		
conjunction	-3597 May 22 j 06:44	0°♉20'12	-0°19'52	
minimum elong	-3597 May 22 j 06:45	0°♉20'13	0°19'48	
max. Earth dist.	-3597 May 23 j 02:10	0°♉31'03	6.25303 AU	
morning rise	-3597 Jun 04 j 22:48	3°♉23'01		
	-3597 Aug 01 j 08:19	15°♉		
retrograde	-3597 Oct 06 j 08:59	21°♉17'24		
asc. node	-3597 Nov 11 j 19:53	19°♉11'29		
opposition	-3597 Dec 04 j 22:41	16°♉18'11	0°03'53	
min. Earth dist.	-3597 Dec 04 j 17:38	16°♉19'52	4.30476 AU	
	-3597 Dec 14 j 19:33	15°℞♉		
direct	-3596 Feb 03 j 18:07	11°♉14'44		
	-3596 Mar 25 j 21:11	15°♉		
evening set	-3596 Jun 10 j 12:05	29°♉24'58		
	-3596 Jun 13 j 04:15	0°♊		
conjunction	-3596 Jun 23 j 23:08	2°♊22'05	0°25'10	
minimum elong	-3596 Jun 23 j 23:06	2°♊22'04	0°25'17	
max. Earth dist.	-3596 Jun 23 j 17:53	2°♊19'12	6.34856 AU	
morning rise	-3596 Jul 07 j 07:11	5°♊17'38		
retrograde	-3596 Nov 05 j 08:26	22°♊31'18		
opposition	-3595 Jan 04 j 05:55	17°♊35'57	1°05'16	
min. Earth dist.	-3595 Jan 04 j 17:04	17°♊32'18	4.38030 AU	
direct	-3595 Mar 07 j 04:58	12°♊32'26		
	-3595 Jul 10 j 20:12	0°♋		
evening set	-3595 Jul 12 j 21:35	0°♋26'46		
conjunction	-3595 Jul 25 j 23:22	3°♋18'03	1°01'45	
minimum elong	-3595 Jul 25 j 23:19	3°♋18'01	1°01'54	
max. Earth dist.	-3595 Jul 24 j 19:08	3°♋02'36	6.39766 AU	
morning rise	-3595 Aug 07 j 21:58	6°♋07'44		
retrograde	-3595 Dec 06 j 02:47	23°♋05'59		
opposition	-3594 Feb 04 j 10:31	18°♋13'23	1°47'07	
min. Earth dist.	-3594 Feb 05 j 11:07	18°♋05'27	4.40143 AU	
direct	-3594 Apr 08 j 01:29	13°♋10'59		
	-3594 Aug 08 j 12:57	0°♌		
evening set	-3594 Aug 13 j 05:31	1°♌01'21		
max. Earth dist.	-3594 Aug 24 j 07:13	3°♌27'28	6.38796 AU	
conjunction	-3594 Aug 25 j 23:14	3°♌49'34	1°20'44	
minimum elong	-3594 Aug 25 j 23:13	3°♌49'33	1°20'50	
morning rise	-3594 Sep 07 j 13:59	6°♌36'27		
	-3594 Oct 17 j 22:35	15°♌		
retrograde	-3593 Jan 06 j 12:02	23°♌45'34		
opposition	-3593 Mar 08 j 06:47	18°♌54'06	1°59'28	
min. Earth dist.	-3593 Mar 09 j 13:31	18°♌44'19	4.36256 AU	
	-3593 Apr 12 j 14:26	15°℞♌		
direct	-3593 May 09 j 21:01	13°♌53'57		
	-3593 Jun 06 j 04:59	15°♌		
	-3593 Sep 04 j 18:20	0°♍		
evening set	-3593 Sep 13 j 05:00	1°♍52'08		
max. Earth dist.	-3593 Sep 23 j 23:01	4°♍16'45	6.32217 AU	
conjunction	-3593 Sep 25 j 18:03	4°♍40'58	1°17'03	
minimum elong	-3593 Sep 25 j 18:05	4°♍40'59	1°17'07	
morning rise	-3593 Oct 08 j 05:44	7°♍29'14		
retrograde	-3592 Feb 08 j 09:32	25°♍13'10		
opposition	-3592 Apr 09 j 10:07	20°♍20'57	1°37'36	
min. Earth dist.	-3592 Apr 10 j 15:13	20°♍11'41	4.27368 AU	
direct	-3592 Jun 10 j 08:42	15°♍23'34		
	-3592 Sep 27 j 08:48	0°♎		
evening set	-3592 Oct 13 j 15:26	3°♎39'41		
max. Earth dist.	-3592 Oct 24 j 20:35	6°♎14'16	6.21795 AU	
conjunction	-3592 Oct 26 j 05:01	6°♎32'56	0°50'22	
minimum elong	-3592 Oct 26 j 05:04	6°♎32'58	0°50'22	

Attention, astronomical year style is used: The year -3592 in astronomical counting style is the year 3593 BCE in historical counting style.

morning rise	-3592 Nov 07 j 18:38	9°♎26'28	
retrograde	-3591 Mar 14 j 01:44	28°♎02'46	
opposition	-3591 May 14 j 03:51	23°♎08'07	0°44'06
min. Earth dist.	-3591 May 14 j 20:16	23°♎02'51	4.16045 AU
direct	-3591 Jul 13 j 19:59	18°♎13'28	
	-3591 Oct 15 j 18:31	0°♏	
evening set	-3591 Nov 15 j 08:38	6°♏54'11	
conjunction	-3591 Nov 28 j 02:31	9°♏54'03	0°06'37
minimum elong	-3591 Nov 28 j 02:31	9°♏54'03	0°06'32
behind sun begin	-3591 Nov 27 j 18:58	9°♏49'37	
behind sun end	-3591 Nov 28 j 10:04	9°♏58'29	
max. Earth dist.	-3591 Nov 27 j 14:42	9°♏47'06	6.10633 AU
morning rise	-3591 Dec 10 j 22:14	12°♏55'04	
	-3591 Dec 19 j 21:04	15°♏	
desc. node	-3590 Jan 20 j 20:13	22°♏00'53	
	-3590 Mar 10 j 01:20	0°♐	
retrograde	-3590 Apr 19 j 13:29	2°♐28'36	
	-3590 May 30 j 07:14	30°℞♏	
opposition	-3590 Jun 19 j 08:47	27°♏30'14	-0°27'20
min. Earth dist.	-3590 Jun 19 j 07:26	27°♏30'40	4.05920 AU
direct	-3590 Aug 17 j 16:38	22°♏37'07	
	-3590 Oct 27 j 07:31	0°♐	
evening set	-3590 Dec 19 j 21:19	11°♐42'24	
conjunction	-3589 Jan 01 j 21:56	14°♐48'45	-0°40'59
minimum elong	-3589 Jan 01 j 21:53	14°♐48'43	0°41'06
max. Earth dist.	-3589 Jan 02 j 13:47	14°♐58'13	6.02494 AU
morning rise	-3589 Jan 15 j 01:30	17°♐56'47	
	-3589 Mar 11 j 04:54	0°♑	
retrograde	-3589 May 26 j 23:15	8°♑11'22	
min. Earth dist.	-3589 Jul 25 j 11:27	3°♑15'37	4.00703 AU
opposition	-3589 Jul 26 j 06:49	3°♑09'09	-1°31'15
	-3589 Aug 21 j 00:24	30°℞♐	
direct	-3589 Sep 22 j 13:20	28°♐15'35	
	-3589 Oct 24 j 21:25	0°♑	
evening set	-3588 Jan 25 j 03:54	17°♑35'40	
conjunction	-3588 Feb 07 j 11:48	20°♑46'02	-1°14'07
minimum elong	-3588 Feb 07 j 11:46	20°♑46'00	1°14'14
max. Earth dist.	-3588 Feb 09 j 01:50	21°♑08'41	6.00553 AU
morning rise	-3588 Feb 20 j 23:11	23°♑58'07	
	-3588 Mar 18 j 03:47	0°♒	
retrograde	-3588 Jul 01 j 22:29	14°♒16'52	
opposition	-3588 Aug 30 j 18:41	9°♒11'59	-2°00'39
min. Earth dist.	-3588 Aug 29 j 13:04	9°♒22'04	4.02406 AU
direct	-3588 Oct 27 j 18:07	4°♒15'51	
	-3587 Jan 22 j 23:45	15°♒	
evening set	-3587 Mar 02 j 06:54	23°♒33'08	
conjunction	-3587 Mar 15 j 21:45	26°♒44'09	-1°19'07
minimum elong	-3587 Mar 15 j 21:47	26°♒44'10	1°19'12
max. Earth dist.	-3587 Mar 17 j 21:58	27°♒12'23	6.05628 AU
morning rise	-3587 Mar 29 j 14:46	29°♒56'11	
	-3587 Mar 29 j 21:21	0°♓	
retrograde	-3587 Aug 06 j 10:38	19°♓38'20	
opposition	-3587 Oct 04 j 22:00	14°♓33'24	-1°44'22
min. Earth dist.	-3587 Oct 03 j 18:09	14°♓42'55	4.10316 AU
direct	-3587 Dec 02 j 11:01	9°♓34'00	
evening set	-3586 Apr 08 j 00:07	28°♓31'27	
	-3586 Apr 14 j 11:50	0°♈	
conjunction	-3586 Apr 21 j 18:34	1°♈39'40	-0°55'14
minimum elong	-3586 Apr 21 j 18:38	1°♈39'42	0°55'13
max. Earth dist.	-3586 Apr 23 j 08:48	2°♈01'28	6.15679 AU
morning rise	-3586 May 05 j 13:32	4°♈47'53	
retrograde	-3586 Sep 08 j 21:18	23°♈31'06	

opposition	-3586 Nov 07 j 08:03	18°♈28'36	-0°52'41
min. Earth dist.	-3586 Nov 06 j 13:47	18°♈34'48	4.21404 AU
direct	-3585 Jan 05 j 23:58	13°♈26'27	
	-3585 May 04 j 12:13	0°♉	
evening set	-3585 May 13 j 09:09	1°♉57'01	
conjunction	-3585 May 27 j 01:57	4°♉59'45	-0°13'33
minimum elong	-3585 May 27 j 01:58	4°♉59'45	0°13'28
behind sun begin	-3585 May 26 j 21:31	4°♉57'17	
behind sun end	-3585 May 27 j 06:25	5°♉02'13	
max. Earth dist.	-3585 May 27 j 17:55	5°♉08'38	6.27004 AU
morning rise	-3585 Jun 09 j 17:03	8°♉01'27	
	-3585 Jul 12 j 11:17	15°♉	
asc. node	-3585 Sep 22 j 03:40	25°♉14'42	
retrograde	-3585 Oct 10 j 18:18	25°♉48'19	
opposition	-3585 Dec 09 j 07:57	20°♉49'43	0°13'04
min. Earth dist.	-3585 Dec 09 j 05:53	20°♉50'24	4.31914 AU
direct	-3584 Feb 08 j 08:25	15°♉46'10	
	-3584 May 27 j 22:41	0°♊	
evening set	-3584 Jun 15 j 01:59	3°♊53'10	
conjunction	-3584 Jun 28 j 11:49	6°♊49'21	0°31'00
minimum elong	-3584 Jun 28 j 11:46	6°♊49'20	0°31'07
max. Earth dist.	-3584 Jun 28 j 02:12	6°♊44'05	6.35917 AU
morning rise	-3584 Jul 11 j 18:39	9°♊43'58	
retrograde	-3584 Nov 09 j 14:25	26°♊53'49	
opposition	-3583 Jan 08 j 13:29	21°♊58'54	1°12'31
min. Earth dist.	-3583 Jan 09 j 02:47	21°♊54'33	4.38676 AU
direct	-3583 Mar 11 j 15:14	16°♊55'25	
	-3583 Jun 24 j 15:02	0°♋	
evening set	-3583 Jul 17 j 06:58	4°♋48'34	
max. Earth dist.	-3583 Jul 29 j 01:59	7°♋23'03	6.39944 AU
conjunction	-3583 Jul 30 j 07:36	7°♋39'16	1°05'35
minimum elong	-3583 Jul 30 j 07:33	7°♋39'14	1°05'44
morning rise	-3583 Aug 12 j 04:51	10°♋28'21	
retrograde	-3583 Dec 10 j 09:56	27°♋26'50	
opposition	-3582 Feb 08 j 19:23	22°♋34'32	1°50'45
min. Earth dist.	-3582 Feb 09 j 21:16	22°♋26'13	4.39860 AU
direct	-3582 Apr 12 j 10:58	17°♋32'25	
	-3582 Jul 23 j 06:12	0°♌	
evening set	-3582 Aug 17 j 13:09	5°♌23'35	
max. Earth dist.	-3582 Aug 28 j 11:12	7°♌48'06	6.38055 AU
conjunction	-3582 Aug 30 j 05:50	8°♌11'42	1°21'37
minimum elong	-3582 Aug 30 j 05:50	8°♌11'41	1°21'43
morning rise	-3582 Sep 11 j 20:03	10°♌58'37	
	-3582 Sep 30 j 10:21	15°♌	
retrograde	-3581 Jan 11 j 00:49	28°♌11'44	
opposition	-3581 Mar 12 j 19:36	23°♌20'18	1°58'29
min. Earth dist.	-3581 Mar 14 j 03:08	23°♌10'16	4.35116 AU
direct	-3581 May 14 j 08:45	18°♌20'29	
	-3581 Aug 19 j 03:13	0°♍	
evening set	-3581 Sep 17 j 13:24	6°♍21'17	
max. Earth dist.	-3581 Sep 28 j 09:03	8°♍47'16	6.30784 AU
conjunction	-3581 Sep 30 j 02:27	9°♍10'38	1°14'37
minimum elong	-3581 Sep 30 j 02:29	9°♍10'39	1°14'40
morning rise	-3581 Oct 12 j 13:59	11°♍59'29	
retrograde	-3580 Feb 13 j 02:51	29°♍50'22	
opposition	-3580 Apr 14 j 04:29	24°♍57'58	1°31'49
min. Earth dist.	-3580 Apr 15 j 07:39	24°♍49'20	4.25748 AU
direct	-3580 Jun 14 j 22:12	20°♍01'05	
	-3580 Sep 09 j 19:19	0°♎	
evening set	-3580 Oct 18 j 03:34	8°♎20'48	
max. Earth dist.	-3580 Oct 29 j 11:06	10°♎57'22	6.20146 AU

Attention, astronomical year style is used: The year -3580 in astronomical counting style is the year 3581 BCE in historical counting style.

conjunction	-3580 Oct 30 j 17:26	11°♎14'54	0°45'01
minimum elong	-3580 Oct 30 j 17:29	11°♎14'56	0°45'00
morning rise	-3580 Nov 12 j 07:48	14°♎09'26	
	-3579 Feb 02 j 22:34	0°♏	
retrograde	-3579 Mar 19 j 03:18	2°♏54'04	
	-3579 May 02 j 23:19	30°℞♎	
opposition	-3579 May 19 j 04:10	27°♎58'57	0°34'40
min. Earth dist.	-3579 May 19 j 18:21	27°♎54'23	4.14489 AU
direct	-3579 Jul 18 j 16:16	23°♎04'38	
	-3579 Sep 25 j 22:13	0°♏	
evening set	-3579 Nov 20 j 02:14	11°♏48'49	
desc. node	-3579 Nov 30 j 16:01	14°♏18'18	
conjunction	-3579 Dec 02 j 21:00	14°♏49'36	-0°00'17
minimum elong	-3579 Dec 02 j 21:01	14°♏49'37	0°00'24
behind sun begin	-3579 Dec 02 j 12:59	14°♏44'53	
behind sun end	-3579 Dec 03 j 05:04	14°♏54'21	
max. Earth dist.	-3579 Dec 02 j 13:54	14°♏45'26	6.09340 AU
	-3579 Dec 03 j 14:37	15°♏	
morning rise	-3579 Dec 15 j 17:42	17°♏51'39	
	-3578 Feb 10 j 04:09	0°♐	
retrograde	-3578 Apr 24 j 17:55	7°♐31'44	
opposition	-3578 Jun 24 j 12:19	2°♐32'53	-0°37'23
min. Earth dist.	-3578 Jun 24 j 07:50	2°♐34'21	4.05039 AU
	-3578 Jul 14 j 23:56	30°℞♏	
direct	-3578 Aug 22 j 15:52	27°♏39'54	
	-3578 Sep 29 j 17:27	0°♐	
evening set	-3578 Dec 24 j 20:50	16°♐47'11	
conjunction	-3577 Jan 06 j 22:14	19°♐54'04	-0°46'51
minimum elong	-3577 Jan 06 j 22:11	19°♐54'02	0°46'58
max. Earth dist.	-3577 Jan 07 j 16:50	20°♐05'11	6.02080 AU
morning rise	-3577 Jan 20 j 02:56	23°♐02'45	
	-3577 Feb 19 j 09:58	0°♑	
retrograde	-3577 Jun 01 j 02:38	13°♑19'14	
min. Earth dist.	-3577 Jul 30 j 11:46	8°♑23'48	4.00818 AU
opposition	-3577 Jul 31 j 09:34	8°♑16'30	-1°37'48
direct	-3577 Sep 27 j 14:28	3°♑22'39	
evening set	-3576 Jan 30 j 06:27	22°♑42'17	
conjunction	-3576 Feb 12 j 15:27	25°♑52'48	-1°16'37
minimum elong	-3576 Feb 12 j 15:25	25°♑52'47	1°16'44
max. Earth dist.	-3576 Feb 14 j 09:03	26°♑17'32	6.01166 AU
morning rise	-3576 Feb 26 j 03:31	29°♑04'55	
	-3576 Mar 01 j 01:15	0°♒	
	-3576 May 14 j 06:00	15°♒	
retrograde	-3576 Jul 06 j 22:53	19°♒19'38	
	-3576 Aug 30 j 03:16	15°℞♒	
min. Earth dist.	-3576 Sep 03 j 11:56	14°♒24'33	4.03454 AU
opposition	-3576 Sep 04 j 17:07	14°♒14'37	-2°01'00
direct	-3576 Nov 01 j 17:55	9°♒18'06	
	-3575 Jan 01 j 15:51	15°♒	
evening set	-3575 Mar 07 j 08:51	28°♒32'29	
	-3575 Mar 13 j 15:21	0°♓	
conjunction	-3575 Mar 21 j 00:15	1°♓43'10	-1°17'22
minimum elong	-3575 Mar 21 j 00:17	1°♓43'12	1°17'26
max. Earth dist.	-3575 Mar 22 j 23:11	2°♓10'32	6.06987 AU
morning rise	-3575 Apr 03 j 17:53	4°♓54'47	
retrograde	-3575 Aug 11 j 02:01	24°♓29'00	
min. Earth dist.	-3575 Oct 08 j 10:31	19°♓33'41	4.11845 AU
opposition	-3575 Oct 09 j 13:56	19°♓24'19	-1°38'55
direct	-3575 Dec 07 j 05:33	14°♓24'29	
	-3574 Mar 29 j 03:29	0°♈	
evening set	-3574 Apr 12 j 22:14	3°♈18'14	
conjunction	-3574 Apr 26 j 16:47	6°♈25'48	-0°50'14
minimum elong	-3574 Apr 26 j 16:51	6°♈25'50	0°50'14
max. Earth dist.	-3574 Apr 28 j 03:42	6°♈45'39	6.17265 AU
morning rise	-3574 May 10 j 11:30	9°♈33'14	
retrograde	-3574 Sep 13 j 09:16	28°♈08'19	
opposition	-3574 Nov 11 j 18:43	23°♈06'22	-0°44'02
min. Earth dist.	-3574 Nov 11 j 03:36	23°♈11'29	4.22881 AU
direct	-3573 Jan 10 j 15:55	18°♈03'56	
	-3573 Apr 17 j 14:06	0°♉	
evening set	-3573 May 18 j 02:05	6°♉31'23	
conjunction	-3573 May 31 j 18:16	9°♉33'20	-0°07'20
minimum elong	-3573 May 31 j 18:17	9°♉33'21	0°07'15
behind sun begin	-3573 May 31 j 10:42	9°♉29'09	
behind sun end	-3573 Jun 01 j 01:53	9°♉37'33	
max. Earth dist.	-3573 Jun 01 j 06:48	9°♉40'17	6.28266 AU
morning rise	-3573 Jun 14 j 08:30	12°♉34'10	
	-3573 Jun 25 j 11:20	15°♉	
asc. node	-3573 Aug 03 j 08:48	22°♉49'25	
	-3573 Oct 02 j 12:16	0°♊	
retrograde	-3573 Oct 15 j 00:20	0°♊15'23	
	-3573 Oct 27 j 11:56	30°℞♉	
opposition	-3573 Dec 13 j 15:32	25°♉17'20	0°21'58
min. Earth dist.	-3573 Dec 13 j 15:05	25°♉17'28	4.32886 AU
direct	-3572 Feb 12 j 18:43	20°♉13'43	
	-3572 May 10 j 09:31	0°♊	
evening set	-3572 Jun 19 j 14:22	8°♊19'08	
conjunction	-3572 Jul 02 j 22:59	11°♊14'35	0°36'33
minimum elong	-3572 Jul 02 j 22:57	11°♊14'33	0°36'41
max. Earth dist.	-3572 Jul 02 j 10:05	11°♊07'30	6.36533 AU
morning rise	-3572 Jul 16 j 04:33	14°♊08'25	
	-3572 Oct 16 j 11:34	0°♋	
retrograde	-3572 Nov 13 j 21:44	1°♋16'05	
	-3572 Dec 12 j 06:08	30°℞♊	
opposition	-3571 Jan 12 j 20:56	26°♊21'41	1°19'17
min. Earth dist.	-3571 Jan 13 j 12:45	26°♊16'32	4.38921 AU
direct	-3571 Mar 16 j 01:31	21°♊18'21	
	-3571 Jun 06 j 15:18	0°♋	
evening set	-3571 Jul 21 j 16:21	9°♋11'27	
max. Earth dist.	-3571 Aug 02 j 07:15	11°♋43'54	6.39781 AU
conjunction	-3571 Aug 03 j 15:46	12°♋01'44	1°09'01
minimum elong	-3571 Aug 03 j 15:43	12°♋01'42	1°09'09
morning rise	-3571 Aug 16 j 11:57	14°♋50'25	
	-3571 Nov 10 j 04:18	0°♌	
retrograde	-3571 Dec 14 j 18:39	1°♌50'09	
	-3570 Jan 18 j 14:08	30°℞♋	
opposition	-3570 Feb 13 j 05:02	26°♋58'03	1°53'45
min. Earth dist.	-3570 Feb 14 j 07:41	26°♋49'29	4.39342 AU
direct	-3570 Apr 16 j 20:25	21°♋56'10	
	-3570 Jul 04 j 21:22	0°♌	
evening set	-3570 Aug 21 j 21:15	9°♌48'39	
max. Earth dist.	-3570 Sep 01 j 19:43	12°♌13'41	6.37223 AU
conjunction	-3570 Sep 03 j 13:18	12°♌36'46	1°22'01
minimum elong	-3570 Sep 03 j 13:17	12°♌36'46	1°22'07
	-3570 Sep 14 j 07:43	15°♌	
morning rise	-3570 Sep 16 j 02:43	15°♌23'44	
	-3570 Dec 04 j 04:25	0°♍	
retrograde	-3569 Jan 15 j 13:28	2°♍40'59	
	-3569 Feb 27 j 15:10	30°℞♌	
opposition	-3569 Mar 17 j 09:30	27°♌49'32	1°56'45
min. Earth dist.	-3569 Mar 18 j 16:40	27°♌39'37	4.34025 AU
direct	-3569 May 18 j 20:34	22°♌50'08	
	-3569 Jul 31 j 00:41	0°♍	
evening set	-3569 Sep 21 j 22:24	10°♍52'55	
max. Earth dist.	-3569 Oct 02 j 17:53	13°♍19'20	6.29514 AU

Attention, astronomical year style is used: The year -3569 in astronomical counting style is the year 3570 BCE in historical counting style.

conjunction	-3569 Oct 04 j 11:07	13°♍42'41	1°11'43
minimum elong	-3569 Oct 04 j 11:09	13°♍42'43	1°11'45
morning rise	-3569 Oct 16 j 22:54	16°♍32'07	
	-3569 Dec 24 j 03:22	0°♎	
retrograde	-3568 Feb 17 j 21:54	4°♎29'17	
	-3568 Apr 15 j 21:39	30°℞♍	
opposition	-3568 Apr 18 j 23:26	29°♍36'31	1°25'23
min. Earth dist.	-3568 Apr 20 j 01:09	29°♍28'19	4.24360 AU
direct	-3568 Jun 19 j 14:02	24°♍39'57	
	-3568 Aug 19 j 17:46	0°♎	
evening set	-3568 Oct 22 j 15:31	13°♎02'11	
max. Earth dist.	-3568 Nov 03 j 03:35	15°♎41'45	6.18770 AU
conjunction	-3568 Nov 04 j 06:00	15°♎57'04	0°39'22
minimum elong	-3568 Nov 04 j 06:02	15°♎57'06	0°39'21
morning rise	-3568 Nov 16 j 20:53	18°♎52'27	
	-3567 Jan 08 j 02:56	0°♏	
retrograde	-3567 Mar 24 j 02:26	7°♏44'03	
opposition	-3567 May 24 j 03:25	2°♏48'27	0°25'01
min. Earth dist.	-3567 May 24 j 15:18	2°♏44'37	4.13214 AU
	-3567 Jun 16 j 08:54	30°℞♎	
direct	-3567 Jul 23 j 11:05	27°♎54'24	
	-3567 Aug 29 j 00:48	0°♏	
desc. node	-3567 Oct 10 j 19:56	6°♏46'40	
	-3567 Nov 17 j 14:02	15°♏	
evening set	-3567 Nov 24 j 19:13	16°♏41'10	
conjunction	-3567 Dec 07 j 14:39	19°♏42'45	-0°07'06
minimum elong	-3567 Dec 07 j 14:39	19°♏42'45	0°07'12
behind sun begin	-3567 Dec 07 j 07:13	19°♏38'22	
behind sun end	-3567 Dec 07 j 22:05	19°♏47'08	
max. Earth dist.	-3567 Dec 07 j 09:50	19°♏39'56	6.08265 AU
morning rise	-3567 Dec 20 j 12:28	22°♏45'43	
	-3566 Jan 21 j 09:55	0°♐	
retrograde	-3566 Apr 29 j 20:18	12°♐31'34	
opposition	-3566 Jun 29 j 14:04	7°♐32'05	-0°47'04
min. Earth dist.	-3566 Jun 29 j 06:41	7°♐34'31	4.04260 AU
direct	-3566 Aug 27 j 14:04	2°♐39'03	
evening set	-3566 Dec 29 j 18:56	21°♐48'13	
conjunction	-3565 Jan 11 j 21:29	24°♐55'45	-0°52'19
minimum elong	-3565 Jan 11 j 21:25	24°♐55'42	0°52'27
max. Earth dist.	-3565 Jan 12 j 20:43	25°♐09'37	6.01667 AU
morning rise	-3565 Jan 25 j 03:04	28°♐05'00	
	-3565 Feb 02 j 06:19	0°♑	
retrograde	-3565 Jun 06 j 06:27	18°♑23'19	
opposition	-3565 Aug 05 j 10:43	13°♑20'09	-1°43'36
min. Earth dist.	-3565 Aug 04 j 12:14	13°♑27'43	4.00833 AU
direct	-3565 Oct 02 j 14:16	8°♑26'01	
evening set	-3564 Feb 04 j 08:23	27°♑45'51	
	-3564 Feb 13 j 18:56	0°♒	
conjunction	-3564 Feb 17 j 18:13	0°♒56'33	-1°18'33
minimum elong	-3564 Feb 17 j 18:11	0°♒56'32	1°18'39
max. Earth dist.	-3564 Feb 19 j 12:18	1°♒21'31	6.01577 AU
morning rise	-3564 Mar 02 j 07:21	4°♒08'52	
	-3564 Apr 20 j 14:00	15°♒	
retrograde	-3564 Jul 11 j 20:20	24°♒20'08	
min. Earth dist.	-3564 Sep 08 j 08:07	19°♒25'17	4.04235 AU
opposition	-3564 Sep 09 j 14:15	19°♒15'01	-2°00'32
	-3564 Oct 17 j 11:08	15°℞♒	
direct	-3564 Nov 06 j 15:16	14°♒18'00	
	-3564 Nov 26 j 23:33	15°♒	
	-3563 Feb 25 j 02:17	0°♓	
evening set	-3563 Mar 12 j 10:52	3°♓30'45	
conjunction	-3563 Mar 26 j 03:02	6°♓41'16	-1°15'04
minimum elong	-3563 Mar 26 j 03:05	6°♓41'18	1°15'07
max. Earth dist.	-3563 Mar 28 j 00:42	7°♓07'50	6.08067 AU
morning rise	-3563 Apr 08 j 21:05	9°♓52'35	
retrograde	-3563 Aug 15 j 20:09	29°♓19'56	
min. Earth dist.	-3563 Oct 13 j 05:08	24°♓24'06	4.13081 AU
opposition	-3563 Oct 14 j 06:19	24°♓15'30	-1°32'49
direct	-3563 Dec 12 j 02:19	19°♓15'14	
	-3562 Mar 11 j 09:39	0°♈	
evening set	-3562 Apr 17 j 21:04	8°♈06'13	
conjunction	-3562 May 01 j 15:48	11°♈13'18	-0°44'52
minimum elong	-3562 May 01 j 15:52	11°♈13'20	0°44'50
max. Earth dist.	-3562 May 03 j 00:56	11°♈32'05	6.18570 AU
morning rise	-3562 May 15 j 10:15	14°♈20'04	
	-3562 Aug 06 j 09:33	0°♉	
retrograde	-3562 Sep 17 j 20:30	2°♉47'58	
	-3562 Oct 30 j 04:49	30°℞♈	
opposition	-3562 Nov 16 j 06:42	27°♈46'32	-0°35'00
min. Earth dist.	-3562 Nov 15 j 16:38	27°♈51'17	4.24128 AU
direct	-3561 Jan 15 j 06:39	22°♈43'54	
	-3561 Mar 29 j 01:22	0°♉	
evening set	-3561 May 22 j 20:40	11°♉08'53	
conjunction	-3561 Jun 05 j 12:00	14°♉10'04	-0°00'55
minimum elong	-3561 Jun 05 j 12:00	14°♉10'04	0°00'50
behind sun begin	-3561 Jun 05 j 03:43	14°♉05'29	
behind sun end	-3561 Jun 05 j 20:18	14°♉14'38	
max. Earth dist.	-3561 Jun 05 j 20:08	14°♉14'33	6.29372 AU
	-3561 Jun 09 j 06:01	15°♉	
asc. node	-3561 Jun 13 j 06:01	15°♉53'10	
morning rise	-3561 Jun 19 j 01:21	17°♉10'03	
	-3561 Aug 23 j 14:46	0°♊	
retrograde	-3561 Oct 19 j 10:28	4°♊46'11	
	-3561 Dec 16 j 15:13	30°℞♉	
opposition	-3561 Dec 18 j 01:16	29°♉48'43	0°30'56
min. Earth dist.	-3561 Dec 18 j 03:47	29°♉47'53	4.33777 AU
direct	-3560 Feb 17 j 08:54	24°♉45'06	
	-3560 Apr 19 j 01:59	0°♊	
evening set	-3560 Jun 24 j 04:27	12°♊48'58	
conjunction	-3560 Jul 07 j 11:59	15°♊43'42	0°42'02
minimum elong	-3560 Jul 07 j 11:56	15°♊43'40	0°42'11
max. Earth dist.	-3560 Jul 06 j 21:06	15°♊35'32	6.37153 AU
morning rise	-3560 Jul 20 j 16:11	18°♊36'45	
	-3560 Sep 16 j 06:00	0°♋	
retrograde	-3560 Nov 18 j 05:12	5°♋42'15	
opposition	-3559 Jan 17 j 06:26	0°♋48'16	1°25'46
min. Earth dist.	-3559 Jan 17 j 22:46	0°♋42'57	4.39278 AU
	-3559 Jan 23 j 11:33	30°℞♊	
direct	-3559 Mar 20 j 12:02	25°♊45'09	
	-3559 May 15 j 01:45	0°♋	
evening set	-3559 Jul 26 j 02:55	13°♋37'33	
max. Earth dist.	-3559 Aug 06 j 15:37	16°♋08'55	6.39861 AU
conjunction	-3559 Aug 08 j 01:04	16°♋27'17	1°12'09
minimum elong	-3559 Aug 08 j 01:01	16°♋27'15	1°12'16
morning rise	-3559 Aug 20 j 20:04	19°♋15'28	
	-3559 Oct 13 j 13:31	0°♌	
retrograde	-3559 Dec 19 j 05:01	6°♌15'47	
opposition	-3558 Feb 17 j 16:24	1°♌23'56	1°56'09
min. Earth dist.	-3558 Feb 18 j 20:10	1°♌15'02	4.39157 AU
	-3558 Feb 28 j 18:01	30°℞♋	
direct	-3558 Apr 21 j 08:51	26°♋22'27	
	-3558 Jun 11 j 08:48	0°♌	
evening set	-3558 Aug 26 j 05:35	14°♌14'45	
	-3558 Aug 29 j 15:35	15°♌	
max. Earth dist.	-3558 Sep 06 j 02:19	16°♌39'07	6.36778 AU

Attention, astronomical year style is used: The year -3558 in astronomical counting style is the year 3559 BCE in historical counting style.

conjunction	-3558 Sep 07 j 20:47	17♌02'42	1°21'59
minimum elong	-3558 Sep 07 j 20:48	17♌02'42	1°22'04
morning rise	-3558 Sep 20 j 09:42	19♌49'38	
	-3558 Nov 09 j 02:19	0♍	
retrograde	-3557 Jan 20 j 01:54	7♍09'55	
opposition	-3557 Mar 21 j 23:37	2♍18'21	1°54'21
min. Earth dist.	-3557 Mar 23 j 05:49	2♍08'45	4.33351 AU
	-3557 Apr 09 j 20:41	30℞♌	
direct	-3557 May 23 j 08:36	27♌19'21	
	-3557 Jul 05 j 10:29	0♍	
evening set	-3557 Sep 26 j 06:27	15♍22'41	
max. Earth dist.	-3557 Oct 07 j 04:46	17♍50'59	6.28678 AU
conjunction	-3557 Oct 08 j 19:09	18♍12'46	1°08'25
minimum elong	-3557 Oct 08 j 19:12	18♍12'48	1°08'27
morning rise	-3557 Oct 21 j 06:51	21♍02'34	
	-3557 Dec 02 j 07:32	0♎	
retrograde	-3556 Feb 22 j 14:30	9♎04'41	
opposition	-3556 Apr 23 j 17:01	4♎11'38	1°18'29
min. Earth dist.	-3556 Apr 24 j 17:42	4♎03'47	4.23390 AU
	-3556 Jun 02 j 05:28	30℞♍	
direct	-3556 Jun 24 j 04:49	29♍15'31	
	-3556 Jul 16 j 02:16	0♎	
evening set	-3556 Oct 27 j 01:36	17♎38'59	
conjunction	-3556 Nov 08 j 16:21	20♎34'28	0°33'35
minimum elong	-3556 Nov 08 j 16:24	20♎34'29	0°33'32
max. Earth dist.	-3556 Nov 07 j 14:55	20♎19'41	6.17748 AU
morning rise	-3556 Nov 21 j 08:06	23♎30'38	
	-3556 Dec 20 j 07:50	0♏	
retrograde	-3555 Mar 28 j 22:38	12♏28'19	
opposition	-3555 May 29 j 00:10	7♏32'12	0°15'24
min. Earth dist.	-3555 May 29 j 09:28	7♏29'12	4.12198 AU
direct	-3555 Jul 28 j 03:54	2♏38'21	
desc. node	-3555 Aug 22 j 09:08	3♏39'29	
	-3555 Nov 01 j 02:31	15♏	
evening set	-3555 Nov 29 j 09:26	21♏27'09	
conjunction	-3555 Dec 12 j 05:49	24♏29'30	-0°13'39
minimum elong	-3555 Dec 12 j 05:48	24♏29'29	0°13'45
behind sun begin	-3555 Dec 12 j 01:22	24♏26'52	
behind sun end	-3555 Dec 12 j 10:14	24♏32'06	
max. Earth dist.	-3555 Dec 12 j 05:13	24♏29'08	6.07358 AU
morning rise	-3555 Dec 25 j 04:24	27♏33'14	
	-3554 Jan 04 j 15:50	0♐	
retrograde	-3554 May 04 j 21:35	17♐24'23	
opposition	-3554 Jul 04 j 12:37	12♐24'26	-0°56'10
min. Earth dist.	-3554 Jul 04 j 04:15	12♐27'12	4.03555 AU
direct	-3554 Sep 01 j 09:44	7♐31'22	
evening set	-3553 Jan 03 j 14:39	26♐42'40	
conjunction	-3553 Jan 16 j 18:01	29♐50'46	-0°57'16
minimum elong	-3553 Jan 16 j 17:58	29♐50'44	0°57'25
	-3553 Jan 17 j 09:28	0♑	
max. Earth dist.	-3553 Jan 17 j 18:27	0♑05'22	6.01209 AU
morning rise	-3553 Jan 30 j 00:49	3♑00'42	
retrograde	-3553 Jun 11 j 04:54	23♑21'03	
min. Earth dist.	-3553 Aug 09 j 08:02	18♑25'46	4.00707 AU
opposition	-3553 Aug 10 j 08:30	18♑17'32	-1°48'29
direct	-3553 Oct 07 j 09:15	13♑23'06	
	-3552 Jan 28 j 15:17	0♒	
evening set	-3552 Feb 09 j 08:03	2♒44'06	
conjunction	-3552 Feb 22 j 18:57	5♒55'10	-1°19'51
minimum elong	-3552 Feb 22 j 18:56	5♒55'09	1°19'58
max. Earth dist.	-3552 Feb 24 j 14:05	6♒20'44	6.01787 AU
morning rise	-3552 Mar 07 j 08:54	9♒07'44	
	-3552 Apr 01 j 23:47	15♒	
retrograde	-3552 Jul 16 j 18:10	29♒16'35	
min. Earth dist.	-3552 Sep 13 j 04:23	24♒21'21	4.04758 AU
opposition	-3552 Sep 14 j 09:33	24♒11'24	-1°59'13
direct	-3552 Nov 11 j 12:39	19♒13'56	
	-3551 Feb 07 j 09:02	0♓	
evening set	-3551 Mar 17 j 11:23	8♓26'03	
conjunction	-3551 Mar 31 j 04:20	11♓36'34	-1°12'15
minimum elong	-3551 Mar 31 j 04:23	11♓36'36	1°12'18
max. Earth dist.	-3551 Apr 02 j 02:07	12♓03'07	6.08875 AU
morning rise	-3551 Apr 13 j 22:49	14♓47'42	
	-3551 Jun 29 j 04:16	0♈	
retrograde	-3551 Aug 20 j 12:11	4♈09'08	
	-3551 Oct 12 j 03:25	30℞♓	
opposition	-3551 Oct 18 j 21:33	29♓04'59	-1°26'08
min. Earth dist.	-3551 Oct 17 j 20:39	29♓13'29	4.14097 AU
direct	-3551 Dec 16 j 19:15	24♓04'21	
	-3550 Feb 18 j 11:23	0♈	
evening set	-3550 Apr 22 j 19:32	12♈53'21	
conjunction	-3550 May 06 j 14:05	15♈59'55	-0°39'13
minimum elong	-3550 May 06 j 14:09	15♈59'57	0°39'11
max. Earth dist.	-3550 May 07 j 19:25	16♈16'30	6.19725 AU
morning rise	-3550 May 20 j 08:22	19♈06'04	
	-3550 Jul 11 j 19:58	0♉	
retrograde	-3550 Sep 22 j 08:15	7♉27'13	
opposition	-3550 Nov 20 j 18:21	2♉26'13	-0°25'47
min. Earth dist.	-3550 Nov 20 j 06:41	2♉30'09	4.25308 AU
	-3550 Dec 09 j 16:37	30℞♈	
direct	-3549 Jan 19 j 23:08	27♈23'18	
	-3549 Mar 02 j 16:10	0♉	
asc. node	-3549 Apr 23 j 01:06	8♉27'05	
	-3549 May 24 j 03:08	15♉	
evening set	-3549 May 27 j 14:29	15♉45'42	
conjunction	-3549 Jun 10 j 05:11	18♉46'07	0°05'33
minimum elong	-3549 Jun 10 j 05:09	18♉46'06	0°05'39
behind sun begin	-3549 Jun 09 j 21:14	18♉41'44	
behind sun end	-3549 Jun 10 j 13:05	18♉50'28	
max. Earth dist.	-3549 Jun 10 j 11:57	18♉49'50	6.30498 AU
morning rise	-3549 Jun 23 j 17:19	21♉45'09	
	-3549 Aug 02 j 04:18	0♊	
retrograde	-3549 Oct 23 j 17:32	9♊15'55	
opposition	-3549 Dec 22 j 10:27	4♊18'53	0°39'39
min. Earth dist.	-3549 Dec 22 j 13:46	4♊17'48	4.34760 AU
	-3548 Jan 30 j 22:39	30℞♉	
direct	-3548 Feb 21 j 20:41	29♉15'15	
	-3548 Mar 15 j 02:29	0♊	
evening set	-3548 Jun 28 j 17:22	17♊16'45	
conjunction	-3548 Jul 11 j 23:26	20♊10'36	0°47'14
minimum elong	-3548 Jul 11 j 23:23	20♊10'34	0°47'22
max. Earth dist.	-3548 Jul 11 j 04:55	20♊00'27	6.37888 AU
morning rise	-3548 Jul 25 j 02:23	23♊02'48	
	-3548 Aug 27 j 07:38	0♋	
retrograde	-3548 Nov 22 j 13:05	10♋05'42	
opposition	-3547 Jan 21 j 15:08	5♋12'01	1°31'42
min. Earth dist.	-3547 Jan 22 j 10:02	5♋05'53	4.39705 AU
direct	-3547 Mar 25 j 00:26	0♋08'59	
evening set	-3547 Jul 30 j 11:44	18♋00'08	
max. Earth dist.	-3547 Aug 10 j 21:59	20♋30'13	6.39900 AU
conjunction	-3547 Aug 12 j 08:49	20♋49'20	1°14'50
minimum elong	-3547 Aug 12 j 08:47	20♋49'19	1°14'58
morning rise	-3547 Aug 25 j 02:39	23♋37'03	
	-3547 Sep 24 j 08:47	0♌	

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

retrograde	-3547 Dec 23 j 12:12	10°♌38'05	
opposition	-3546 Feb 22 j 02:19	5°♌46'17	1°57'54
min. Earth dist.	-3546 Feb 23 j 06:12	5°♌37'22	4.38808 AU
direct	-3546 Apr 25 j 18:00	0°♌45'03	
	-3546 Aug 13 j 19:33	15°♌	
evening set	-3546 Aug 30 j 12:40	18°♌37'46	
max. Earth dist.	-3546 Sep 10 j 08:58	21°♌02'12	6.36048 AU
conjunction	-3546 Sep 12 j 03:12	21°♌25'43	1°21'29
minimum elong	-3546 Sep 12 j 03:12	21°♌25'44	1°21'34
morning rise	-3546 Sep 24 j 15:35	24°♌12'44	
	-3546 Oct 21 j 13:12	0°♍	
retrograde	-3545 Jan 24 j 15:12	11°♍37'09	
opposition	-3545 Mar 26 j 13:24	6°♍45'30	1°51'20
min. Earth dist.	-3545 Mar 27 j 20:24	6°♍35'39	4.32258 AU
direct	-3545 May 27 j 21:35	1°♍46'51	
evening set	-3545 Sep 30 j 14:27	19°♍52'13	
max. Earth dist.	-3545 Oct 11 j 12:35	22°♍20'55	6.27305 AU
conjunction	-3545 Oct 13 j 03:08	22°♍42'51	1°04'44
minimum elong	-3545 Oct 13 j 03:11	22°♍42'53	1°04'45
morning rise	-3545 Oct 25 j 15:15	25°♍33'22	
	-3545 Nov 14 j 15:24	0°♎	
retrograde	-3544 Feb 27 j 08:08	13°♎42'31	
opposition	-3544 Apr 28 j 11:47	8°♎49'05	1°11'04
min. Earth dist.	-3544 Apr 29 j 10:23	8°♎41'53	4.21816 AU
direct	-3544 Jun 28 j 19:03	3°♎53'17	
evening set	-3544 Oct 31 j 13:48	22°♎20'18	
max. Earth dist.	-3544 Nov 12 j 07:37	25°♎04'07	6.16124 AU
conjunction	-3544 Nov 13 j 05:17	25°♎16'45	0°27'29
minimum elong	-3544 Nov 13 j 05:19	25°♎16'46	0°27'25
morning rise	-3544 Nov 25 j 21:41	28°♎13'57	
	-3544 Dec 03 j 13:49	0°♏	
	-3543 Feb 22 j 15:18	15°♏	
retrograde	-3543 Apr 03 j 00:50	17°♏19'54	
	-3543 May 12 j 16:30	15°℞♏	
opposition	-3543 Jun 03 j 00:05	12°♏23'22	0°05'23
min. Earth dist.	-3543 Jun 03 j 08:07	12°♏20'46	4.10644 AU
desc. node	-3543 Jul 02 j 15:39	8°♏56'25	
direct	-3543 Aug 01 j 24:00	7°♏29'44	
	-3543 Oct 12 j 20:23	15°♏	
evening set	-3543 Dec 04 j 04:12	26°♏22'39	
conjunction	-3543 Dec 17 j 01:25	29°♏25'59	-0°20'20
minimum elong	-3543 Dec 17 j 01:23	29°♏25'58	0°20'27
max. Earth dist.	-3543 Dec 17 j 03:00	29°♏26'56	6.06013 AU
	-3543 Dec 19 j 10:41	0°♐	
morning rise	-3543 Dec 30 j 01:18	2°♐30'51	
retrograde	-3542 May 10 j 01:27	22°♐28'42	
opposition	-3542 Jul 09 j 15:40	17°♐28'15	-1°05'16
min. Earth dist.	-3542 Jul 09 j 03:55	17°♐32'08	4.02577 AU
direct	-3542 Sep 06 j 07:38	12°♐35'10	
	-3542 Dec 31 j 22:19	0°♑	
evening set	-3541 Jan 08 j 15:57	1°♑49'40	
conjunction	-3541 Jan 21 j 20:29	4°♑58'29	-1°02'02
minimum elong	-3541 Jan 21 j 20:25	4°♑58'27	1°02'09
max. Earth dist.	-3541 Jan 23 j 00:52	5°♑15'28	6.00688 AU
morning rise	-3541 Feb 04 j 04:17	8°♑09'07	
retrograde	-3541 Jun 16 j 10:28	28°♑31'19	
min. Earth dist.	-3541 Aug 14 j 10:08	23°♑36'02	4.00728 AU
opposition	-3541 Aug 15 j 11:26	23°♑27'29	-1°52'47
direct	-3541 Oct 12 j 12:03	18°♑32'46	
	-3540 Jan 10 j 16:41	0°♒	
evening set	-3540 Feb 14 j 13:14	7°♒54'12	
conjunction	-3540 Feb 28 j 01:11	11°♒05'28	-1°20'38
minimum elong	-3540 Feb 28 j 01:11	11°♒05'28	1°20'44
max. Earth dist.	-3540 Feb 29 j 23:04	11°♒32'35	6.02367 AU
morning rise	-3540 Mar 12 j 16:00	14°♒18'08	
	-3540 Mar 15 j 15:34	15°♒	
	-3540 May 28 j 21:27	0°♓	
retrograde	-3540 Jul 21 j 18:17	4°♓22'11	
	-3540 Sep 14 j 01:56	30°℞♒	
min. Earth dist.	-3540 Sep 18 j 02:07	29°♒27'19	4.05874 AU
opposition	-3540 Sep 19 j 08:12	29°♒17'03	-1°56'57
direct	-3540 Nov 16 j 12:07	24°♒19'13	
	-3539 Jan 16 j 15:38	0°♓	
evening set	-3539 Mar 22 j 15:32	13°♓28'22	
conjunction	-3539 Apr 05 j 08:51	16°♓38'24	-1°08'54
minimum elong	-3539 Apr 05 j 08:54	16°♓38'26	1°08'56
max. Earth dist.	-3539 Apr 07 j 04:38	17°♓03'42	6.10438 AU
morning rise	-3539 Apr 19 j 03:44	19°♓48'57	
	-3539 Jun 05 j 12:05	0°♈	
retrograde	-3539 Aug 25 j 04:06	9°♈01'15	
opposition	-3539 Oct 23 j 14:00	3°♈57'25	-1°18'50
min. Earth dist.	-3539 Oct 22 j 14:29	4°♈05'26	4.15933 AU
	-3539 Nov 26 j 08:14	30°℞♓	
direct	-3539 Dec 21 j 16:21	28°♓56'23	
	-3538 Jan 16 j 07:18	0°♈	
evening set	-3538 Apr 27 j 17:50	17°♈40'19	
conjunction	-3538 May 11 j 12:17	20°♈45'58	-0°33'22
minimum elong	-3538 May 11 j 12:20	20°♈45'59	0°33'19
max. Earth dist.	-3538 May 12 j 16:26	21°♈01'48	6.21707 AU
morning rise	-3538 May 25 j 05:47	23°♈50'58	
	-3538 Jun 22 j 14:52	0°♉	
retrograde	-3538 Sep 26 j 17:19	12°♉02'39	
opposition	-3538 Nov 25 j 04:42	7°♉02'12	-0°16'36
min. Earth dist.	-3538 Nov 24 j 18:32	7°♉05'37	4.27239 AU
direct	-3537 Jan 24 j 13:31	1°♉59'09	
asc. node	-3537 Mar 03 j 21:23	4°♉11'31	
	-3537 May 07 j 14:02	15°♉	
evening set	-3537 Jun 01 j 05:47	20°♉16'30	
conjunction	-3537 Jun 14 j 19:13	23°♉15'43	0°11'41
minimum elong	-3537 Jun 14 j 19:13	23°♉15'42	0°11'48
behind sun begin	-3537 Jun 14 j 13:33	23°♉12'36	
behind sun end	-3537 Jun 15 j 00:53	23°♉18'49	
max. Earth dist.	-3537 Jun 14 j 20:52	23°♉16'36	6.32212 AU
morning rise	-3537 Jun 28 j 06:19	26°♉13'34	
	-3537 Jul 15 j 18:10	0°♊	
retrograde	-3537 Oct 27 j 22:29	13°♊37'40	
opposition	-3537 Dec 26 j 16:40	8°♊41'07	0°47'48
min. Earth dist.	-3537 Dec 26 j 23:08	8°♊38'59	4.36135 AU
direct	-3536 Feb 26 j 08:03	3°♊37'25	
evening set	-3536 Jul 03 j 02:10	21°♊35'38	
max. Earth dist.	-3536 Jul 15 j 10:27	24°♊17'17	6.38802 AU
conjunction	-3536 Jul 16 j 07:05	24°♊28'35	0°51'58
minimum elong	-3536 Jul 16 j 07:02	24°♊28'33	0°52'05
morning rise	-3536 Jul 29 j 08:31	27°♊19'50	
	-3536 Aug 10 j 18:09	0°♋	
retrograde	-3536 Nov 26 j 15:09	14°♋20'08	
opposition	-3535 Jan 25 j 20:03	9°♋26'48	1°36'53
min. Earth dist.	-3535 Jan 26 j 16:19	9°♋20'15	4.40115 AU
direct	-3535 Mar 29 j 06:35	4°♋23'56	
evening set	-3535 Aug 03 j 16:39	22°♋14'13	
max. Earth dist.	-3535 Aug 14 j 22:21	24°♋42'02	6.39743 AU
conjunction	-3535 Aug 16 j 12:31	25°♋03'01	1°17'01
minimum elong	-3535 Aug 16 j 12:28	25°♋03'00	1°17'09

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

morning rise	-3535 Aug 29 j 05:30	27°♋50'25	
	-3535 Sep 08 j 04:25	0°♌	
retrograde	-3535 Dec 27 j 19:14	14°♌53'21	
opposition	-3534 Feb 26 j 09:38	10°♌01'42	1°59'00
min. Earth dist.	-3534 Feb 27 j 15:58	9°♌52'01	4.38093 AU
direct	-3534 Apr 30 j 02:32	5°♌00'42	
	-3534 Jul 28 j 01:53	15°♌	
evening set	-3534 Sep 03 j 16:46	22°♌55'12	
max. Earth dist.	-3534 Sep 14 j 11:38	25°♌19'16	6.34812 AU
conjunction	-3534 Sep 16 j 06:56	25°♌43'27	1°20'34
minimum elong	-3534 Sep 16 j 06:57	25°♌43'27	1°20'38
morning rise	-3534 Sep 28 j 19:01	28°♌30'50	
	-3534 Oct 05 j 12:18	0°♍	
retrograde	-3533 Jan 29 j 01:34	16°♍01'22	
opposition	-3533 Mar 31 j 01:34	11°♍09'33	1°47'46
min. Earth dist.	-3533 Apr 01 j 07:37	11°♍00'00	4.30585 AU
direct	-3533 Jun 01 j 05:52	6°♍11'15	
evening set	-3533 Oct 04 j 21:43	24°♍20'49	
max. Earth dist.	-3533 Oct 15 j 21:47	26°♍51'16	6.25338 AU
conjunction	-3533 Oct 17 j 10:38	27°♍12'20	1°00'41
minimum elong	-3533 Oct 17 j 10:41	27°♍12'22	1°00'42
morning rise	-3533 Oct 29 j 23:07	0°♎03'51	
	-3533 Oct 29 j 16:20	0°♎	
retrograde	-3532 Mar 03 j 05:16	18°♎22'14	
opposition	-3532 May 03 j 07:07	13°♎28'30	1°03'13
min. Earth dist.	-3532 May 04 j 05:09	13°♎21'28	4.19673 AU
direct	-3532 Jul 03 j 10:48	8°♎33'02	
evening set	-3532 Nov 05 j 03:14	27°♎05'36	
conjunction	-3532 Nov 17 j 19:27	0°♏03'17	0°21'10
minimum elong	-3532 Nov 17 j 19:28	0°♏03'18	0°21'06
max. Earth dist.	-3532 Nov 16 j 23:47	29°♎51'46	6.14004 AU
	-3532 Nov 17 j 13:50	0°♏	
morning rise	-3532 Nov 30 j 13:00	3°♏01'52	
	-3531 Jan 25 j 17:09	15°♏	
retrograde	-3531 Apr 08 j 03:36	22°♏17'51	
desc. node	-3531 May 12 j 20:20	20°♏28'45	
opposition	-3531 Jun 08 j 02:07	17°♏20'45	-0°04'48
min. Earth dist.	-3531 Jun 08 j 06:16	17°♏19'25	4.08742 AU
	-3531 Jun 26 j 22:50	15°℞♏	
direct	-3531 Aug 06 j 19:27	12°♏27'20	
	-3531 Sep 15 j 22:48	15°♏	
	-3531 Dec 03 j 00:28	0°♐	
evening set	-3531 Dec 09 j 01:40	1°♐25'30	
conjunction	-3531 Dec 21 j 23:58	4°♐29'57	-0°26'59
minimum elong	-3531 Dec 21 j 23:56	4°♐29'56	0°27'07
max. Earth dist.	-3531 Dec 22 j 06:37	4°♐33'55	6.04504 AU
morning rise	-3530 Jan 04 j 00:56	7°♐35'59	
retrograde	-3530 May 15 j 09:51	27°♐40'48	
opposition	-3530 Jul 14 j 21:30	22°♐39'43	-1°14'02
min. Earth dist.	-3530 Jul 14 j 07:34	22°♐44'21	4.01627 AU
direct	-3530 Sep 11 j 10:52	17°♐46'31	
	-3530 Dec 14 j 03:47	0°♑	
evening set	-3529 Jan 13 j 20:23	7°♑03'42	
conjunction	-3529 Jan 27 j 02:01	10°♑13'09	-1°06'22
minimum elong	-3529 Jan 27 j 01:57	10°♑13'07	1°06'29
max. Earth dist.	-3529 Jan 28 j 10:57	10°♑32'50	6.00364 AU
morning rise	-3529 Feb 09 j 10:56	13°♑24'22	
	-3529 May 02 j 16:24	0°♒	
retrograde	-3529 Jun 21 j 16:40	3°♒46'33	
	-3529 Aug 10 j 23:31	30°℞♑	
opposition	-3529 Aug 20 j 15:45	28°♑42'19	-1°56'12
min. Earth dist.	-3529 Aug 19 j 12:17	28°♑51'37	4.01089 AU
direct	-3529 Oct 17 j 15:04	23°♑47'12	
	-3529 Dec 20 j 06:20	0°♒	
evening set	-3528 Feb 19 j 20:08	13°♒07'29	
	-3528 Feb 27 j 19:27	15°♒	
conjunction	-3528 Mar 04 j 08:51	16°♒18'40	-1°20'46
minimum elong	-3528 Mar 04 j 08:52	16°♒18'40	1°20'51
max. Earth dist.	-3528 Mar 06 j 06:59	16°♒45'51	6.03318 AU
morning rise	-3528 Mar 18 j 00:32	19°♒31'11	
	-3528 May 04 j 18:41	0°♓	
retrograde	-3528 Jul 26 j 17:06	9°♓28'38	
min. Earth dist.	-3528 Sep 23 j 01:12	4°♓33'38	4.07277 AU
opposition	-3528 Sep 24 j 07:07	4°♓23'24	-1°53'47
	-3528 Nov 03 j 02:48	30°℞♒	
direct	-3528 Nov 21 j 13:46	29°♒25'01	
	-3528 Dec 10 j 03:52	0°♓	
evening set	-3527 Mar 27 j 19:28	18°♓30'08	
conjunction	-3527 Apr 10 j 13:22	21°♓39'36	-1°05'01
minimum elong	-3527 Apr 10 j 13:26	21°♓39'38	1°05'02
max. Earth dist.	-3527 Apr 12 j 09:04	22°♓04'45	6.12164 AU
morning rise	-3527 Apr 24 j 08:10	24°♓49'22	
	-3527 May 17 j 13:07	0°♈	
retrograde	-3527 Aug 29 j 20:36	13°♈52'07	
min. Earth dist.	-3527 Oct 27 j 08:24	8°♈56'05	4.17779 AU
opposition	-3527 Oct 28 j 06:13	8°♈48'40	-1°10'59
direct	-3527 Dec 26 j 12:42	3°♈47'18	
evening set	-3526 May 02 j 16:16	22°♈26'24	
conjunction	-3526 May 16 j 10:09	25°♈31'04	-0°27'16
minimum elong	-3526 May 16 j 10:12	25°♈31'05	0°27'14
max. Earth dist.	-3526 May 17 j 09:42	25°♈44'16	6.23520 AU
morning rise	-3526 May 30 j 03:09	28°♈35'02	
	-3526 Jun 05 j 12:36	0°♉	
	-3526 Aug 30 j 00:06	15°♉	
retrograde	-3526 Oct 01 j 02:33	16°♉38'16	
	-3526 Nov 02 j 00:54	15°℞♉	
opposition	-3526 Nov 29 j 15:25	11°♉38'20	-0°07'15
min. Earth dist.	-3526 Nov 29 j 07:40	11°♉40'56	4.28870 AU
asc. node	-3525 Jan 11 j 19:08	7°♉04'12	
direct	-3525 Jan 29 j 05:18	6°♉35'05	
	-3525 Apr 19 j 00:08	15°♉	
evening set	-3525 Jun 05 j 21:45	24°♉48'41	
conjunction	-3525 Jun 19 j 10:16	27°♉46'56	0°17'52
minimum elong	-3525 Jun 19 j 10:14	27°♉46'55	0°17'59
max. Earth dist.	-3525 Jun 19 j 09:14	27°♉46'22	6.33553 AU
	-3525 Jun 29 j 12:08	0°♊	
morning rise	-3525 Jul 02 j 19:57	0°♊43'42	
retrograde	-3525 Nov 01 j 04:58	18°♊02'38	
opposition	-3525 Dec 31 j 00:44	13°♊06'40	0°55'53
min. Earth dist.	-3525 Dec 31 j 09:19	13°♊03'50	4.37103 AU
direct	-3524 Mar 01 j 19:28	8°♊03'03	
evening set	-3524 Jul 07 j 13:04	25°♊59'17	
conjunction	-3524 Jul 20 j 16:32	28°♊51'27	0°56'33
minimum elong	-3524 Jul 20 j 16:29	28°♊51'26	0°56'40
max. Earth dist.	-3524 Jul 19 j 15:23	28°♊37'42	6.39304 AU
	-3524 Jul 25 j 21:48	0°♋	
morning rise	-3524 Aug 02 j 16:50	1°♋42'01	
retrograde	-3524 Nov 30 j 22:48	18°♋41'14	
opposition	-3523 Jan 30 j 04:29	13°♋48'16	1°41'46
min. Earth dist.	-3523 Jan 31 j 03:19	13°♋40'53	4.40151 AU
direct	-3523 Apr 02 j 17:36	8°♋45'35	
evening set	-3523 Aug 08 j 00:41	26°♋36'04	
max. Earth dist.	-3523 Aug 19 j 05:02	29°♋03'20	6.39299 AU

Attention, astronomical year style is used: The year -3523 in astronomical counting style is the year 3524 BCE in historical counting style.

conjunction	-3523 Aug 20 j 19:42	29°♋24'37	1°18'53
minimum elong	-3523 Aug 20 j 19:40	29°♋24'36	1°19'00
	-3523 Aug 23 j 11:53	0°♌	
morning rise	-3523 Sep 02 j 11:35	2°♌11'47	
	-3523 Nov 07 j 22:12	15°♌	
retrograde	-3522 Jan 01 j 04:05	19°♌17'32	
	-3522 Feb 26 j 10:02	15°℞♌	
opposition	-3522 Mar 02 j 20:51	14°♌26'01	1°59'29
min. Earth dist.	-3522 Mar 04 j 03:07	14°♌16'23	4.37219 AU
direct	-3522 May 04 j 12:06	9°♌25'25	
	-3522 Jul 07 j 14:54	15°♌	
evening set	-3522 Sep 08 j 00:54	27°♌22'03	
max. Earth dist.	-3522 Sep 18 j 18:44	29°♌46'03	6.33572 AU
	-3522 Sep 19 j 19:37	0°♍	
conjunction	-3522 Sep 20 j 14:30	0°♍10'35	1°19'09
minimum elong	-3522 Sep 20 j 14:31	0°♍10'36	1°19'14
morning rise	-3522 Oct 03 j 02:26	2°♍58'25	
retrograde	-3521 Feb 02 j 18:57	20°♍35'09	
opposition	-3521 Apr 04 j 18:19	15°♍43'16	1°43'25
min. Earth dist.	-3521 Apr 06 j 00:38	15°♍33'37	4.29050 AU
direct	-3521 Jun 05 j 20:46	10°♍45'24	
evening set	-3521 Oct 09 j 08:26	28°♍58'26	
	-3521 Oct 13 j 20:21	0°♎	
max. Earth dist.	-3521 Oct 20 j 10:40	1°♎30'42	6.23660 AU
conjunction	-3521 Oct 21 j 21:40	1°♎50'47	0°56'08
minimum elong	-3521 Oct 21 j 21:43	1°♎50'48	0°56'08
morning rise	-3521 Nov 03 j 10:38	4°♎43'14	
retrograde	-3520 Mar 08 j 03:16	23°♎09'53	
opposition	-3520 May 08 j 05:46	18°♎15'49	0°54'41
min. Earth dist.	-3520 May 09 j 00:35	18°♎09'47	4.17992 AU
direct	-3520 Jul 08 j 03:32	13°♎20'48	
	-3520 Nov 01 j 08:47	0°♏	
evening set	-3520 Nov 09 j 19:23	1°♏57'14	
conjunction	-3520 Nov 22 j 12:17	4°♏55'52	0°14'34
minimum elong	-3520 Nov 22 j 12:18	4°♏55'53	0°14'30
behind sun begin	-3520 Nov 22 j 08:32	4°♏53'41	
behind sun end	-3520 Nov 22 j 16:03	4°♏58'05	
max. Earth dist.	-3520 Nov 21 j 20:39	4°♏46'42	6.12495 AU
morning rise	-3520 Dec 05 j 06:43	7°♏55'31	
	-3519 Jan 05 j 16:01	15°♏	
desc. node	-3519 Mar 22 j 17:15	26°♏35'32	
retrograde	-3519 Apr 13 j 08:39	27°♏19'14	
opposition	-3519 Jun 13 j 05:21	22°♏21'37	-0°15'05
min. Earth dist.	-3519 Jun 13 j 07:14	22°♏21'00	4.07541 AU
direct	-3519 Aug 11 j 19:03	17°♏28'22	
	-3519 Nov 15 j 18:11	0°♐	
evening set	-3519 Dec 13 j 23:50	6°♐29'21	
conjunction	-3519 Dec 26 j 23:07	9°♐34'34	-0°33'27
minimum elong	-3519 Dec 26 j 23:04	9°♐34'32	0°33'34
max. Earth dist.	-3519 Dec 27 j 10:16	9°♐41'12	6.03731 AU
morning rise	-3518 Jan 09 j 01:11	12°♐41'24	
	-3518 Apr 07 j 10:02	0°♑	
retrograde	-3518 May 20 j 15:02	2°♑49'55	
	-3518 Jul 02 j 23:25	30°℞♐	
min. Earth dist.	-3518 Jul 19 j 08:40	27°♐53'58	4.01397 AU
opposition	-3518 Jul 20 j 01:33	27°♐48'22	-1°22'05
direct	-3518 Sep 16 j 11:42	22°♐55'04	
	-3518 Nov 23 j 22:28	0°♑	
evening set	-3517 Jan 18 j 22:55	12°♑12'37	
conjunction	-3517 Feb 01 j 05:23	15°♑22'18	-1°10'05
minimum elong	-3517 Feb 01 j 05:20	15°♑22'16	1°10'13
max. Earth dist.	-3517 Feb 02 j 16:08	15°♑43'03	6.00656 AU
morning rise	-3517 Feb 14 j 15:20	18°♑33'46	
	-3517 Apr 07 j 14:35	0°♒	
retrograde	-3517 Jun 26 j 17:45	8°♒53'44	
min. Earth dist.	-3517 Aug 24 j 11:47	3°♒58'51	4.01879 AU
opposition	-3517 Aug 25 j 16:19	3°♒49'10	-1°58'34
	-3517 Sep 27 j 03:18	30°℞♑	
direct	-3517 Oct 22 j 16:08	28°♑53'36	
	-3517 Nov 17 j 06:12	0°♒	
	-3516 Feb 11 j 04:01	15°♒	
evening set	-3516 Feb 24 j 23:07	18°♒11'35	
conjunction	-3516 Mar 09 j 12:49	21°♒22'36	-1°20'17
minimum elong	-3516 Mar 09 j 12:50	21°♒22'36	1°20'22
max. Earth dist.	-3516 Mar 11 j 12:42	21°♒50'44	6.04523 AU
morning rise	-3516 Mar 23 j 04:56	24°♒34'46	
	-3516 Apr 16 j 00:24	0°♓	
retrograde	-3516 Jul 31 j 12:53	14°♓24'56	
min. Earth dist.	-3516 Sep 27 j 20:57	9°♓29'36	4.08756 AU
opposition	-3516 Sep 29 j 01:33	9°♓19'50	-1°49'53
direct	-3516 Nov 26 j 11:06	4°♓21'01	
evening set	-3515 Apr 01 j 19:26	23°♓22'13	
conjunction	-3515 Apr 15 j 13:30	26°♓31'06	-1°00'49
minimum elong	-3515 Apr 15 j 13:34	26°♓31'08	1°00'49
max. Earth dist.	-3515 Apr 17 j 05:57	26°♓54'16	6.13780 AU
morning rise	-3515 Apr 29 j 08:31	29°♓40'11	
	-3515 Apr 30 j 19:26	0°♈	
retrograde	-3515 Sep 03 j 07:52	18°♈34'14	
opposition	-3515 Nov 01 j 18:32	13°♈31'11	-1°02'58
min. Earth dist.	-3515 Oct 31 j 22:14	13°♈38'05	4.19370 AU
direct	-3515 Dec 31 j 04:55	8°♈29'27	
evening set	-3514 May 07 j 10:55	27°♈04'53	
	-3514 May 20 j 12:47	0°♉	
conjunction	-3514 May 21 j 04:29	0°♉08'46	-0°21'12
minimum elong	-3514 May 21 j 04:31	0°♉08'47	0°21'08
max. Earth dist.	-3514 May 22 j 00:42	0°♉20'04	6.24983 AU
morning rise	-3514 Jun 03 j 20:41	3°♉11'48	
	-3514 Aug 01 j 07:19	15°♉	
retrograde	-3514 Oct 05 j 11:32	21°♉08'15	
asc. node	-3514 Nov 22 j 21:38	17°♉36'34	
opposition	-3514 Dec 03 j 23:56	16°♉08'55	0°01'52
min. Earth dist.	-3514 Dec 03 j 19:06	16°♉10'32	4.30077 AU
	-3514 Dec 12 j 15:56	15°℞♉	
direct	-3513 Feb 02 j 18:31	11°♉05'31	
	-3513 Mar 26 j 22:40	15°♉	
evening set	-3513 Jun 10 j 11:31	29°♉16'46	
	-3513 Jun 13 j 18:33	0°♊	
conjunction	-3513 Jun 23 j 22:55	2°♊14'13	0°23'49
minimum elong	-3513 Jun 23 j 22:53	2°♊14'12	0°23'55
max. Earth dist.	-3513 Jun 23 j 17:29	2°♊11'15	6.34409 AU
morning rise	-3513 Jul 07 j 07:31	5°♊10'10	
retrograde	-3513 Nov 05 j 11:00	22°♊25'44	
opposition	-3512 Jan 04 j 07:59	17°♊30'14	1°03'30
min. Earth dist.	-3512 Jan 04 j 18:41	17°♊26'43	4.37588 AU
direct	-3512 Mar 06 j 05:30	12°♊26'37	
	-3512 Jul 10 j 06:02	0°♋	
evening set	-3512 Jul 11 j 23:15	0°♋22'21	
max. Earth dist.	-3512 Jul 23 j 23:09	2°♋59'30	6.39386 AU
conjunction	-3512 Jul 25 j 01:36	3°♋13'59	1°00'45
minimum elong	-3512 Jul 25 j 01:32	3°♋13'58	1°00'53
morning rise	-3512 Aug 07 j 00:31	6°♋03'59	
retrograde	-3512 Dec 05 j 06:05	23°♋03'24	
opposition	-3511 Feb 03 j 13:17	18°♋10'45	1°46'03
min. Earth dist.	-3511 Feb 04 j 13:11	18°♋03'03	4.39855 AU

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

direct	-3511 Apr 07 j 03:09	13°♋08'19	
	-3511 Aug 07 j 19:34	0°♌	
evening set	-3511 Aug 12 j 09:05	0°♌59'42	
max. Earth dist.	-3511 Aug 23 j 10:01	3°♌25'29	6.38630 AU
conjunction	-3511 Aug 25 j 03:01	3°♌48'07	1°20'17
minimum elong	-3511 Aug 25 j 02:59	3°♌48'06	1°20'23
morning rise	-3511 Sep 06 j 18:17	6°♌35'14	
	-3511 Oct 17 j 05:12	15°♌	
retrograde	-3510 Jan 05 j 16:40	23°♌44'28	
opposition	-3510 Mar 07 j 09:41	18°♌52'58	1°59'16
min. Earth dist.	-3510 Mar 08 j 16:36	18°♌43'07	4.36236 AU
	-3510 Apr 11 j 10:41	15°℞♌	
direct	-3510 May 09 j 00:19	13°♌52'40	
	-3510 Jun 05 j 14:16	15°♌	
	-3510 Sep 04 j 00:23	0°♍	
evening set	-3510 Sep 12 j 09:26	1°♍51'14	
max. Earth dist.	-3510 Sep 23 j 04:59	4°♍16'36	6.32359 AU
conjunction	-3510 Sep 24 j 22:51	4°♍40'08	1°17'15
minimum elong	-3510 Sep 24 j 22:53	4°♍40'09	1°17'19
morning rise	-3510 Oct 07 j 10:31	7°♍28'22	
retrograde	-3509 Feb 07 j 10:54	25°♍10'59	
opposition	-3509 Apr 09 j 11:59	20°♍18'51	1°38'21
min. Earth dist.	-3509 Apr 10 j 16:17	20°♍09'51	4.27685 AU
direct	-3509 Jun 10 j 10:15	15°♍21'25	
	-3509 Sep 27 j 17:35	0°♎	
evening set	-3509 Oct 13 j 19:43	3°♎36'57	
max. Earth dist.	-3509 Oct 25 j 00:03	6°♎10'56	6.22257 AU
conjunction	-3509 Oct 26 j 09:05	6°♎29'57	0°51'12
minimum elong	-3509 Oct 26 j 09:08	6°♎29'59	0°51'11
morning rise	-3509 Nov 07 j 22:38	9°♎23'14	
retrograde	-3508 Mar 13 j 02:59	27°♎57'01	
opposition	-3508 May 13 j 04:24	23°♎02'27	0°45'44
min. Earth dist.	-3508 May 13 j 21:31	22°♎56'57	4.16618 AU
direct	-3508 Jul 12 j 22:47	18°♎07'41	
	-3508 Oct 15 j 09:35	0°♏	
evening set	-3508 Nov 14 j 10:53	6°♏46'47	
conjunction	-3508 Nov 27 j 04:37	9°♏46'17	0°07'55
minimum elong	-3508 Nov 27 j 04:37	9°♏46'17	0°07'50
behind sun begin	-3508 Nov 26 j 21:22	9°♏42'02	
behind sun end	-3508 Nov 27 j 11:52	9°♏50'32	
max. Earth dist.	-3508 Nov 26 j 16:52	9°♏39'23	6.11276 AU
morning rise	-3508 Dec 09 j 23:56	12°♏46'52	
	-3508 Dec 19 j 13:16	15°♏	
desc. node	-3507 Jan 30 j 22:44	24°♏02'09	
	-3507 Mar 10 j 14:30	0°♐	
retrograde	-3507 Apr 18 j 10:55	2°♐17'02	
	-3507 May 27 j 12:10	30°℞♏	
opposition	-3507 Jun 18 j 07:15	27°♏18'52	-0°25'12
min. Earth dist.	-3507 Jun 18 j 06:10	27°♏19'13	4.06588 AU
direct	-3507 Aug 16 j 16:10	22°♏25'47	
	-3507 Oct 27 j 09:48	0°♐	
evening set	-3507 Dec 18 j 20:50	11°♐28'52	
conjunction	-3507 Dec 31 j 20:53	14°♐34'43	-0°39'36
minimum elong	-3507 Dec 31 j 20:50	14°♐34'41	0°39'44
max. Earth dist.	-3506 Jan 01 j 10:33	14°♐42'52	6.03105 AU
morning rise	-3506 Jan 14 j 00:04	17°♐42'17	
	-3506 Mar 11 j 12:19	0°♑	
retrograde	-3506 May 25 j 18:11	7°♑54'07	
min. Earth dist.	-3506 Jul 24 j 08:36	2°♑58'22	4.01177 AU
opposition	-3506 Jul 25 j 03:35	2°♑52'02	-1°29'27
	-3506 Aug 17 j 04:21	30°℞♐	
direct	-3506 Sep 21 j 11:46	27°♐58'29	
	-3506 Oct 26 j 11:29	0°♑	
evening set	-3505 Jan 24 j 00:11	17°♑16'47	
conjunction	-3505 Feb 06 j 07:47	20°♑26'50	-1°13'17
minimum elong	-3505 Feb 06 j 07:45	20°♑26'48	1°13'24
max. Earth dist.	-3505 Feb 07 j 22:13	20°♑49'43	6.00856 AU
morning rise	-3505 Feb 19 j 18:32	23°♑38'33	
	-3505 Mar 19 j 10:43	0°♒	
retrograde	-3505 Jul 01 j 19:18	13°♒56'36	
min. Earth dist.	-3505 Aug 29 j 10:54	9°♒01'29	4.02494 AU
opposition	-3505 Aug 30 j 15:18	8°♒51'51	-2°00'05
direct	-3505 Oct 27 j 15:17	3°♒55'53	
	-3504 Jan 24 j 10:11	15°♒	
evening set	-3504 Mar 01 j 01:37	23°♒12'34	
conjunction	-3504 Mar 14 j 16:00	26°♒23'30	-1°19'14
minimum elong	-3504 Mar 14 j 16:01	26°♒23'31	1°19'19
max. Earth dist.	-3504 Mar 16 j 14:45	26°♒50'53	6.05472 AU
morning rise	-3504 Mar 28 j 08:56	29°♒35'32	
	-3504 Mar 30 j 03:08	0°♓	
retrograde	-3504 Aug 05 j 06:37	19°♓19'27	
opposition	-3504 Oct 03 j 19:27	14°♓14'30	-1°45'17
min. Earth dist.	-3504 Oct 02 j 14:59	14°♓24'14	4.09938 AU
direct	-3504 Dec 01 j 06:53	9°♓15'14	
evening set	-3503 Apr 06 j 19:25	28°♓13'48	
	-3503 Apr 14 j 13:54	0°♈	
conjunction	-3503 Apr 20 j 13:51	1°♈22'15	-0°56'12
minimum elong	-3503 Apr 20 j 13:54	1°♈22'17	0°56'12
max. Earth dist.	-3503 Apr 22 j 03:58	1°♈44'02	6.15108 AU
morning rise	-3503 May 04 j 08:46	4°♈30'44	
retrograde	-3503 Sep 07 j 22:34	23°♈17'21	
opposition	-3503 Nov 06 j 07:45	18°♈14'48	-0°54'31
min. Earth dist.	-3503 Nov 05 j 14:12	18°♈20'45	4.20688 AU
direct	-3502 Jan 04 j 23:07	13°♈12'46	
	-3502 May 04 j 07:20	0°♉	
evening set	-3502 May 12 j 06:44	1°♉45'28	
conjunction	-3502 May 25 j 23:49	4°♉48'41	-0°14'55
minimum elong	-3502 May 25 j 23:50	4°♉48'41	0°14'50
behind sun begin	-3502 May 25 j 20:57	4°♉47'05	
behind sun end	-3502 May 26 j 02:43	4°♉50'17	
max. Earth dist.	-3502 May 26 j 16:53	4°♉58'12	6.26193 AU
morning rise	-3502 Jun 08 j 15:17	7°♉50'54	
	-3502 Jul 12 j 04:58	15°♉	
asc. node	-3502 Oct 03 j 01:18	25°♉36'53	
retrograde	-3502 Oct 09 j 20:02	25°♉41'26	
opposition	-3502 Dec 08 j 09:47	20°♉42'40	0°11'06
min. Earth dist.	-3502 Dec 08 j 06:22	20°♉43'48	4.31097 AU
direct	-3501 Feb 07 j 07:20	15°♉39'11	
	-3501 May 28 j 08:43	0°♊	
evening set	-3501 Jun 15 j 02:50	3°♊48'44	
conjunction	-3501 Jun 28 j 13:06	6°♊45'25	0°29'44
minimum elong	-3501 Jun 28 j 13:04	6°♊45'24	0°29'51
max. Earth dist.	-3501 Jun 28 j 04:41	6°♊40'47	6.35176 AU
morning rise	-3501 Jul 11 j 20:27	9°♊40'33	
retrograde	-3501 Nov 09 j 20:08	26°♊53'08	
opposition	-3500 Jan 08 j 17:18	21°♊58'10	1°10'56
min. Earth dist.	-3500 Jan 09 j 06:15	21°♊53'56	4.38072 AU
direct	-3500 Mar 10 j 17:58	16°♊54'46	
	-3500 Jun 23 j 16:55	0°♋	
evening set	-3500 Jul 16 j 10:43	4°♋49'43	
max. Earth dist.	-3500 Jul 28 j 06:43	7°♋24'51	6.39548 AU
conjunction	-3500 Jul 29 j 11:46	7°♋40'47	1°04'42
minimum elong	-3500 Jul 29 j 11:43	7°♋40'45	1°04'50

Attention, astronomical year style is used: The year -3500 in astronomical counting style is the year 3501 BCE in historical counting style.

morning rise	-3500 Aug 11 j 09:33	10°♋30'13	
retrograde	-3500 Dec 09 j 15:28	27°♋29'42	
opposition	-3499 Feb 07 j 23:58	22°♋37'19	1°49'50
min. Earth dist.	-3499 Feb 09 j 00:31	22°♋29'25	4.39733 AU
direct	-3499 Apr 11 j 14:18	17°♋35'11	
	-3499 Jul 22 j 05:03	0°♌	
evening set	-3499 Aug 16 j 18:15	5°♌26'39	
max. Earth dist.	-3499 Aug 27 j 19:28	7°♌52'46	6.38247 AU
conjunction	-3499 Aug 29 j 11:20	8°♌14'49	1°21'15
minimum elong	-3499 Aug 29 j 11:19	8°♌14'49	1°21'21
morning rise	-3499 Sep 11 j 01:38	11°♌01'45	
	-3499 Sep 29 j 10:25	15°♌	
retrograde	-3498 Jan 10 j 04:17	28°♌13'29	
opposition	-3498 Mar 11 j 23:06	23°♌22'02	1°58'21
min. Earth dist.	-3498 Mar 13 j 05:41	23°♌12'19	4.35621 AU
direct	-3498 May 13 j 12:25	18°♌22'11	
	-3498 Aug 18 j 06:27	0°♍	
evening set	-3498 Sep 16 j 18:03	6°♍21'20	
max. Earth dist.	-3498 Sep 27 j 12:59	8°♍46'43	6.31559 AU
conjunction	-3498 Sep 29 j 06:59	9°♍10'22	1°14'55
minimum elong	-3498 Sep 29 j 07:01	9°♍10'24	1°14'57
morning rise	-3498 Oct 11 j 18:41	11°♍58'56	
retrograde	-3497 Feb 12 j 03:50	29°♍46'08	
opposition	-3497 Apr 14 j 05:10	24°♍53'44	1°32'42
min. Earth dist.	-3497 Apr 15 j 08:27	24°♍45'02	4.26727 AU
direct	-3497 Jun 15 j 00:57	19°♍56'39	
	-3497 Sep 10 j 09:48	0°♎	
evening set	-3497 Oct 18 j 05:29	8°♎13'17	
conjunction	-3497 Oct 30 j 19:18	11°♎06'52	0°46'01
minimum elong	-3497 Oct 30 j 19:21	11°♎06'54	0°46'00
max. Earth dist.	-3497 Oct 29 j 13:39	10°♎49'46	6.21239 AU
morning rise	-3497 Nov 12 j 09:14	14°♎00'47	
	-3496 Feb 04 j 14:00	0°♏	
retrograde	-3496 Mar 17 j 22:41	2°♏40'22	
	-3496 Apr 29 j 20:44	30°℞♎	
opposition	-3496 May 18 j 01:00	27°♎45'22	0°36'38
min. Earth dist.	-3496 May 18 j 16:01	27°♎40'33	4.15598 AU
direct	-3496 Jul 17 j 15:08	22°♎50'56	
	-3496 Sep 26 j 06:24	0°♏	
evening set	-3496 Nov 19 j 00:32	11°♏31'41	
conjunction	-3496 Dec 01 j 18:47	14°♏31'50	0°01'19
minimum elong	-3496 Dec 01 j 18:47	14°♏31'50	0°01'13
behind sun begin	-3496 Dec 01 j 10:44	14°♏27'07	
behind sun end	-3496 Dec 02 j 02:51	14°♏36'34	
max. Earth dist.	-3496 Dec 01 j 08:53	14°♏26'01	6.10340 AU
	-3496 Dec 03 j 18:32	15°♏	
desc. node	-3496 Dec 12 j 07:27	17°♏00'37	
morning rise	-3496 Dec 14 j 15:08	17°♏33'15	
	-3495 Feb 10 j 21:53	0°♐	
retrograde	-3495 Apr 23 j 09:59	7°♐08'54	
opposition	-3495 Jun 23 j 05:52	2°♐10'10	-0°34'54
min. Earth dist.	-3495 Jun 23 j 02:30	2°♐11'16	4.05809 AU
	-3495 Jul 10 j 10:38	30°℞♏	
direct	-3495 Aug 21 j 11:44	27°♏17'03	
	-3495 Oct 01 j 16:59	0°♐	
evening set	-3495 Dec 23 j 15:19	16°♐22'03	
conjunction	-3494 Jan 05 j 16:29	19°♐28'34	-0°45'20
minimum elong	-3494 Jan 05 j 16:25	19°♐28'32	0°45'27
max. Earth dist.	-3494 Jan 06 j 10:13	19°♐39'09	6.02561 AU
morning rise	-3494 Jan 18 j 20:32	22°♐36'47	
	-3494 Feb 20 j 03:47	0°♑	
retrograde	-3494 May 30 j 19:43	12°♑51'27	
min. Earth dist.	-3494 Jul 29 j 06:37	7°♑55'32	4.00946 AU
opposition	-3494 Jul 30 j 02:16	7°♑48'57	-1°35'58
direct	-3494 Sep 26 j 08:24	2°♑55'10	
evening set	-3493 Jan 28 j 23:06	22°♑14'36	
conjunction	-3493 Feb 11 j 07:34	25°♑25'01	-1°15'51
minimum elong	-3493 Feb 11 j 07:32	25°♑25'00	1°15'57
max. Earth dist.	-3493 Feb 12 j 22:07	25°♑47'57	6.00933 AU
morning rise	-3493 Feb 24 j 19:29	28°♑37'09	
	-3493 Mar 02 j 16:29	0°♒	
	-3493 May 16 j 23:12	15°♒	
retrograde	-3493 Jul 06 j 15:51	18°♒53'43	
	-3493 Aug 26 j 16:16	15°℞♒	
min. Earth dist.	-3493 Sep 03 j 05:57	13°♒58'49	4.02896 AU
opposition	-3493 Sep 04 j 11:26	13°♒48'47	-2°00'43
direct	-3493 Nov 01 j 10:51	8°♒52'23	
	-3492 Jan 03 j 20:04	15°♒	
evening set	-3492 Mar 06 j 02:14	28°♒08'47	
	-3492 Mar 14 j 01:04	0°♓	
conjunction	-3492 Mar 19 j 17:33	1°♓19'47	-1°17'38
minimum elong	-3492 Mar 19 j 17:35	1°♓19'49	1°17'42
max. Earth dist.	-3492 Mar 21 j 15:52	1°♓46'52	6.06176 AU
morning rise	-3492 Apr 02 j 11:02	4°♓31'45	
retrograde	-3492 Aug 10 j 01:15	24°♓10'23	
min. Earth dist.	-3492 Oct 07 j 09:14	19°♓14'43	4.10858 AU
opposition	-3492 Oct 08 j 11:48	19°♓05'38	-1°40'02
direct	-3492 Dec 06 j 02:55	14°♓05'56	
	-3491 Mar 29 j 04:41	0°♈	
evening set	-3491 Apr 11 j 18:37	3°♈02'48	
conjunction	-3491 Apr 25 j 13:22	6°♈10'56	-0°51'15
minimum elong	-3491 Apr 25 j 13:26	6°♈10'58	0°51'14
max. Earth dist.	-3491 Apr 27 j 02:06	6°♈31'51	6.16194 AU
morning rise	-3491 May 09 j 08:16	9°♈18'55	
retrograde	-3491 Sep 12 j 10:30	27°♈58'45	
opposition	-3491 Nov 10 j 20:07	22°♈56'38	-0°45'47
min. Earth dist.	-3491 Nov 10 j 03:11	23°♈02'22	4.21841 AU
direct	-3490 Jan 09 j 14:01	17°♈54'19	
	-3490 Apr 17 j 04:44	0°♉	
evening set	-3490 May 17 j 02:06	6°♉24'42	
conjunction	-3490 May 30 j 18:30	9°♉27'10	-0°08'34
minimum elong	-3490 May 30 j 18:31	9°♉27'11	0°08'29
behind sun begin	-3490 May 30 j 11:18	9°♉23'11	
behind sun end	-3490 May 31 j 01:44	9°♉31'11	
max. Earth dist.	-3490 May 31 j 07:49	9°♉34'34	6.27340 AU
morning rise	-3490 Jun 13 j 09:14	12°♉28'35	
	-3490 Jun 24 j 21:53	15°♉	
asc. node	-3490 Aug 13 j 05:14	24°♉36'51	
	-3490 Oct 02 j 14:15	0°♊	
retrograde	-3490 Oct 14 j 06:14	0°♊13'21	
	-3490 Oct 25 j 19:50	30°℞♉	
opposition	-3490 Dec 12 j 19:41	25°♉15'04	0°20'14
min. Earth dist.	-3490 Dec 12 j 18:57	25°♉15'19	4.32136 AU
direct	-3489 Feb 11 j 22:03	20°♉11'29	
	-3489 May 10 j 14:30	0°♊	
evening set	-3489 Jun 19 j 17:16	8°♊18'44	
conjunction	-3489 Jul 03 j 02:27	11°♊14'36	0°35'27
minimum elong	-3489 Jul 03 j 02:24	11°♊14'34	0°35'35
max. Earth dist.	-3489 Jul 02 j 16:01	11°♊08'52	6.36013 AU
morning rise	-3489 Jul 16 j 08:25	14°♊08'49	
	-3489 Oct 16 j 08:29	0°♋	
retrograde	-3489 Nov 14 j 02:25	1°♋18'03	
	-3489 Dec 12 j 20:15	30°℞♊	
opposition	-3488 Jan 13 j 01:55	26°♊23'26	1°17'54

Attention, astronomical year style is used: The year -3488 in astronomical counting style is the year 3489 BCE in historical counting style.

min. Earth dist.	-3488 Jan 13 j 15:39	26°♊18'58	4.38661 AU
direct	-3488 Mar 15 j 04:18	21°♊20'05	
	-3488 Jun 05 j 15:09	0°♋	
evening set	-3488 Jul 20 j 21:01	9°♋13'37	
conjunction	-3488 Aug 02 j 20:45	12°♋04'01	1°08'16
minimum elong	-3488 Aug 02 j 20:42	12°♋03'59	1°08'23
max. Earth dist.	-3488 Aug 01 j 13:59	11°♋47'09	6.39811 AU
morning rise	-3488 Aug 15 j 17:16	14°♋52'50	
	-3488 Nov 09 j 01:45	0°♌	
retrograde	-3488 Dec 14 j 00:06	1°♌52'01	
	-3487 Jan 18 j 02:20	30°℞♋	
opposition	-3487 Feb 12 j 09:34	26°♋59'51	1°52'58
min. Earth dist.	-3487 Feb 13 j 11:54	26°♋51'24	4.39636 AU
direct	-3487 Apr 16 j 01:31	21°♋57'57	
	-3487 Jul 03 j 22:44	0°♌	
evening set	-3487 Aug 21 j 01:47	9°♌49'18	
max. Earth dist.	-3487 Sep 01 j 00:11	12°♌14'09	6.37752 AU
conjunction	-3487 Sep 02 j 18:00	12°♌37'18	1°21'46
minimum elong	-3487 Sep 02 j 17:59	12°♌37'18	1°21'53
	-3487 Sep 13 j 11:53	15°♌	
morning rise	-3487 Sep 15 j 07:44	15°♌24'10	
	-3487 Dec 03 j 13:02	0°♍	
retrograde	-3486 Jan 14 j 15:35	2°♍39'04	
	-3486 Feb 26 j 10:17	30°℞♌	
opposition	-3486 Mar 16 j 11:45	27°♌47'33	1°56'48
min. Earth dist.	-3486 Mar 17 j 18:13	27°♌37'51	4.34750 AU
direct	-3486 May 17 j 23:03	22°♌48'01	
	-3486 Jul 30 j 10:26	0°♍	
evening set	-3486 Sep 21 j 01:32	10°♍48'42	
max. Earth dist.	-3486 Oct 01 j 22:26	13°♍15'34	6.30378 AU
conjunction	-3486 Oct 03 j 14:24	13°♍38'10	1°12'09
minimum elong	-3486 Oct 03 j 14:27	13°♍38'11	1°12'11
morning rise	-3486 Oct 16 j 01:58	16°♍27'11	
	-3486 Dec 24 j 00:50	0°♎	
retrograde	-3485 Feb 16 j 20:37	4°♎20'35	
	-3485 Apr 14 j 17:27	30°℞♍	
opposition	-3485 Apr 18 j 22:26	29°♍27'57	1°26'30
min. Earth dist.	-3485 Apr 20 j 01:04	29°♍19'29	4.25294 AU
direct	-3485 Jun 19 j 15:00	24°♍31'18	
	-3485 Aug 20 j 17:58	0°♎	
evening set	-3485 Oct 22 j 16:16	12°♎50'59	
max. Earth dist.	-3485 Nov 03 j 01:22	15°♎28'36	6.19674 AU
conjunction	-3485 Nov 04 j 06:22	15°♎45'23	0°40'31
minimum elong	-3485 Nov 04 j 06:25	15°♎45'25	0°40'30
morning rise	-3485 Nov 16 j 21:09	18°♎40'18	
	-3484 Jan 09 j 08:45	0°♏	
retrograde	-3484 Mar 22 j 21:17	7°♏27'57	
opposition	-3484 May 22 j 23:21	2°♏32'29	0°27'08
min. Earth dist.	-3484 May 23 j 11:57	2°♏28'25	4.14004 AU
	-3484 Jun 12 j 18:02	30°℞♎	
direct	-3484 Jul 22 j 08:55	27°♎38'18	
	-3484 Aug 30 j 08:13	0°♏	
desc. node	-3484 Oct 22 j 11:04	9°♏06'09	
	-3484 Nov 17 j 18:42	15°♏	
evening set	-3484 Nov 23 j 16:52	16°♏23'03	
conjunction	-3484 Dec 06 j 12:09	19°♏24'16	-0°05'32
minimum elong	-3484 Dec 06 j 12:09	19°♏24'16	0°05'38
behind sun begin	-3484 Dec 06 j 04:24	19°♏19'42	
behind sun end	-3484 Dec 06 j 19:54	19°♏28'50	
max. Earth dist.	-3484 Dec 06 j 06:49	19°♏21'09	6.08873 AU
morning rise	-3484 Dec 19 j 09:24	22°♏26'46	
	-3483 Jan 21 j 19:10	0°♐	

retrograde	-3483 Apr 28 j 15:35	12°♐09'58	
opposition	-3483 Jun 28 j 08:22	7°♐10'46	-0°44'42
min. Earth dist.	-3483 Jun 28 j 03:19	7°♐12'26	4.04615 AU
direct	-3483 Aug 26 j 10:21	2°♐17'44	
evening set	-3483 Dec 28 j 14:34	21°♐26'18	
conjunction	-3482 Jan 10 j 16:36	24°♐33'37	-0°50'56
minimum elong	-3482 Jan 10 j 16:32	24°♐33'35	0°51'04
max. Earth dist.	-3482 Jan 11 j 12:32	24°♐45'31	6.01731 AU
morning rise	-3482 Jan 23 j 21:59	27°♐42'44	
	-3482 Feb 02 j 15:11	0°♑	
retrograde	-3482 Jun 04 j 23:47	18°♑01'07	
min. Earth dist.	-3482 Aug 03 j 06:56	13°♑05'45	4.00609 AU
opposition	-3482 Aug 04 j 05:27	12°♑58'12	-1°42'04
direct	-3482 Oct 01 j 08:03	8°♑04'13	
evening set	-3481 Feb 03 j 03:26	27°♑25'14	
	-3481 Feb 14 j 00:25	0°♒	
conjunction	-3481 Feb 16 j 13:03	0°♒36'03	-1°17'58
minimum elong	-3481 Feb 16 j 13:01	0°♒36'02	1°18'04
max. Earth dist.	-3481 Feb 18 j 06:36	1°♒00'45	6.01126 AU
morning rise	-3481 Mar 02 j 01:48	3°♒48'27	
	-3481 Apr 21 j 23:59	15°♒	
retrograde	-3481 Jul 11 j 18:44	24°♒02'33	
min. Earth dist.	-3481 Sep 08 j 06:32	19°♒07'31	4.03624 AU
opposition	-3481 Sep 09 j 11:50	18°♒57'31	-2°00'28
	-3481 Oct 13 j 10:36	15°℞♒	
direct	-3481 Nov 06 j 13:10	14°♒00'45	
	-3481 Nov 30 j 17:08	15°♒	
	-3480 Feb 26 j 02:27	0°♓	
evening set	-3480 Mar 11 j 07:15	3°♓15'26	
conjunction	-3480 Mar 24 j 23:20	6°♓26'14	-1°15'26
minimum elong	-3480 Mar 24 j 23:23	6°♓26'16	1°15'29
max. Earth dist.	-3480 Mar 26 j 22:45	6°♓53'51	6.07400 AU
morning rise	-3480 Apr 07 j 17:20	9°♓37'51	
retrograde	-3480 Aug 14 j 20:17	29°♓08'34	
min. Earth dist.	-3480 Oct 12 j 03:42	24°♓13'16	4.12469 AU
opposition	-3480 Oct 13 j 06:37	24°♓04'04	-1°33'58
direct	-3480 Dec 11 j 00:03	19°♓04'00	
	-3479 Mar 11 j 04:33	0°♈	
evening set	-3479 Apr 16 j 19:30	7°♈56'25	
conjunction	-3479 Apr 30 j 14:05	11°♈03'41	-0°45'55
minimum elong	-3479 Apr 30 j 14:09	11°♈03'43	0°45'54
max. Earth dist.	-3479 May 01 j 23:34	11°♈22'42	6.18069 AU
morning rise	-3479 May 14 j 08:45	14°♈10'44	
	-3479 Aug 06 j 10:19	0°♉	
retrograde	-3479 Sep 16 j 22:40	2°♉40'58	
	-3479 Oct 28 j 06:42	30°℞♈	
opposition	-3479 Nov 15 j 08:49	27°♈39'16	-0°36'49
min. Earth dist.	-3479 Nov 14 j 18:18	27°♈44'11	4.23784 AU
direct	-3478 Jan 14 j 08:25	22°♈36'40	
	-3478 Mar 28 j 17:17	0°♉	
evening set	-3478 May 21 j 20:04	11°♉01'48	
conjunction	-3478 Jun 04 j 11:46	14°♉03'09	-0°02'17
minimum elong	-3478 Jun 04 j 11:46	14°♉03'09	0°02'13
behind sun begin	-3478 Jun 04 j 03:28	13°♉58'34	
behind sun end	-3478 Jun 04 j 20:04	14°♉07'44	
max. Earth dist.	-3478 Jun 04 j 23:10	14°♉09'27	6.29209 AU
	-3478 Jun 08 j 18:16	15°♉	
morning rise	-3478 Jun 18 j 01:14	17°♉03'16	
asc. node	-3478 Jun 24 j 01:13	18°♉22'10	
	-3478 Aug 23 j 08:13	0°♊	
retrograde	-3478 Oct 18 j 11:11	4°♊40'05	
	-3478 Dec 14 j 21:54	30°℞♉	

Attention, astronomical year style is used: The year -3478 in astronomical counting style is the year 3479 BCE in historical counting style.

opposition	-3478 Dec 17 j 03:12	29°♉42'19	0°28'58
min. Earth dist.	-3478 Dec 17 j 03:47	29°♉42'08	4.33781 AU
direct	-3477 Feb 16 j 08:51	24°♉38'41	
	-3477 Apr 19 j 19:27	0°♊	
evening set	-3477 Jun 24 j 04:27	12°♊41'43	
conjunction	-3477 Jul 07 j 12:09	15°♊36'28	0°40'46
minimum elong	-3477 Jul 07 j 12:06	15°♊36'27	0°40'54
max. Earth dist.	-3477 Jul 06 j 21:02	15°♊28'12	6.37292 AU
morning rise	-3477 Jul 20 j 16:50	18°♊29'37	
	-3477 Sep 17 j 01:22	0°♋	
retrograde	-3477 Nov 18 j 07:01	5°♋34'34	
opposition	-3476 Jan 17 j 07:20	0°♋40'21	1°24'08
min. Earth dist.	-3476 Jan 18 j 00:22	0°♋34'49	4.39489 AU
	-3476 Jan 22 j 11:41	30℞♊	
direct	-3476 Mar 19 j 13:59	25°♊37'03	
	-3476 May 15 j 01:14	0°♋	
evening set	-3476 Jul 25 j 02:47	13°♋28'28	
max. Earth dist.	-3476 Aug 05 j 16:09	16°♋00'01	6.40092 AU
conjunction	-3476 Aug 07 j 01:25	16°♋18'15	1°11'18
minimum elong	-3476 Aug 07 j 01:23	16°♋18'14	1°11'25
morning rise	-3476 Aug 19 j 20:43	19°♋06'29	
	-3476 Oct 13 j 12:52	0°♌	
retrograde	-3476 Dec 18 j 03:30	6°♌05'47	
opposition	-3475 Feb 16 j 15:37	1°♌13'45	1°55'22
min. Earth dist.	-3475 Feb 17 j 18:52	1°♌05'01	4.39368 AU
	-3475 Feb 26 j 08:14	30℞♋	
direct	-3475 Apr 20 j 07:07	26°♋12'03	
	-3475 Jun 11 j 15:27	0°♌	
evening set	-3475 Aug 25 j 05:41	14°♌03'59	
	-3475 Aug 29 j 11:16	15°♌	
max. Earth dist.	-3475 Sep 05 j 02:30	16°♌28'17	6.36940 AU
conjunction	-3475 Sep 06 j 21:10	16°♌51'59	1°21'50
minimum elong	-3475 Sep 06 j 21:10	16°♌51'59	1°21'55
morning rise	-3475 Sep 19 j 10:17	19°♌38'56	
	-3475 Nov 09 j 03:47	0°♍	
retrograde	-3474 Jan 19 j 01:22	6°♍58'15	
opposition	-3474 Mar 20 j 21:42	2°♍06'43	1°54'41
min. Earth dist.	-3474 Mar 22 j 05:38	1°♍56'33	4.33428 AU
	-3474 Apr 07 j 01:12	30℞♌	
direct	-3474 May 22 j 08:18	27°♌07'29	
	-3474 Jul 06 j 00:43	0°♍	
evening set	-3474 Sep 25 j 07:02	15°♍11'22	
max. Earth dist.	-3474 Oct 06 j 02:47	17°♍38'13	6.28644 AU
conjunction	-3474 Oct 07 j 19:50	18°♍01'30	1°09'03
minimum elong	-3474 Oct 07 j 19:53	18°♍01'32	1°09'04
morning rise	-3474 Oct 20 j 07:45	20°♍51'22	
	-3474 Dec 02 j 07:33	0°♎	
retrograde	-3473 Feb 21 j 12:21	8°♎53'00	
opposition	-3473 Apr 23 j 14:44	4°♎00'01	1°19'55
min. Earth dist.	-3473 Apr 24 j 15:46	3°♎52'02	4.23253 AU
	-3473 May 30 j 08:20	30℞♍	
direct	-3473 Jun 24 j 02:31	29°♍03'41	
	-3473 Jul 18 j 19:38	0°♎	
evening set	-3473 Oct 27 j 02:48	17°♎28'36	
conjunction	-3473 Nov 08 j 17:40	20°♎24'12	0°34'48
minimum elong	-3473 Nov 08 j 17:42	20°♎24'13	0°34'45
max. Earth dist.	-3473 Nov 07 j 16:14	20°♎09'24	6.17521 AU
morning rise	-3473 Nov 21 j 09:08	23°♎20'22	
	-3473 Dec 21 j 03:40	0°♏	
retrograde	-3472 Mar 27 j 23:16	12°♏18'15	
opposition	-3472 May 27 j 23:00	7°♏22'21	0°17'25
min. Earth dist.	-3472 May 28 j 10:05	7°♏18'47	4.11900 AU
direct	-3472 Jul 27 j 04:07	2°♏28'26	
desc. node	-3472 Sep 01 j 17:18	4°♏34'41	
	-3472 Oct 31 j 20:07	15°♏	
evening set	-3472 Nov 28 j 11:27	21°♏19'00	
conjunction	-3472 Dec 11 j 07:36	24°♏21'26	-0°12'17
minimum elong	-3472 Dec 11 j 07:34	24°♏21'25	0°12'22
behind sun begin	-3472 Dec 11 j 02:10	24°♏18'14	
behind sun end	-3472 Dec 11 j 12:59	24°♏24'37	
max. Earth dist.	-3472 Dec 11 j 04:51	24°♏19'49	6.07012 AU
morning rise	-3472 Dec 24 j 06:11	27°♏25'17	
	-3471 Jan 04 j 06:59	0°♐	
retrograde	-3471 May 03 j 21:08	17°♐17'11	
opposition	-3471 Jul 03 j 12:59	12°♐17'23	-0°54'17
min. Earth dist.	-3471 Jul 03 j 03:56	12°♐20'22	4.03200 AU
direct	-3471 Aug 31 j 09:25	7°♐24'21	
evening set	-3470 Jan 02 j 17:06	26°♐37'12	
conjunction	-3470 Jan 15 j 20:21	29°♐45'23	-0°56'13
minimum elong	-3470 Jan 15 j 20:17	29°♐45'21	0°56'21
	-3470 Jan 16 j 20:46	0°♑	
max. Earth dist.	-3470 Jan 16 j 21:29	0°♑00'26	6.00888 AU
morning rise	-3470 Jan 29 j 02:45	2°♑55'20	
retrograde	-3470 Jun 10 j 07:53	23°♑16'43	
min. Earth dist.	-3470 Aug 08 j 11:04	18°♑21'21	4.00438 AU
opposition	-3470 Aug 09 j 10:59	18°♑13'18	-1°47'24
direct	-3470 Oct 06 j 13:03	13°♑18'59	
	-3469 Jan 28 j 00:00	0°♒	
evening set	-3469 Feb 08 j 10:21	2°♒40'32	
conjunction	-3469 Feb 21 j 21:00	5°♒51'34	-1°19'28
minimum elong	-3469 Feb 21 j 20:59	5°♒51'34	1°19'34
max. Earth dist.	-3469 Feb 23 j 17:43	6°♒18'05	6.01606 AU
morning rise	-3469 Mar 07 j 10:43	9°♒04'08	
	-3469 Apr 02 j 07:46	15°♒	
retrograde	-3469 Jul 16 j 21:09	29°♒13'43	
min. Earth dist.	-3469 Sep 13 j 06:37	24°♒18'58	4.04693 AU
opposition	-3469 Sep 14 j 13:12	24°♒08'33	-1°59'13
direct	-3469 Nov 11 j 15:08	19°♒11'17	
	-3468 Feb 07 j 17:07	0°♓	
evening set	-3468 Mar 16 j 13:17	8°♓22'52	
conjunction	-3468 Mar 30 j 05:50	11°♓33'13	-1°12'38
minimum elong	-3468 Mar 30 j 05:53	11°♓33'15	1°12'40
max. Earth dist.	-3468 Apr 01 j 03:23	11°♓59'39	6.08914 AU
morning rise	-3468 Apr 13 j 00:16	14°♓44'16	
	-3468 Jun 28 j 15:06	0°♈	
retrograde	-3468 Aug 19 j 14:51	4°♈06'01	
	-3468 Oct 10 j 21:38	30℞♓	
min. Earth dist.	-3468 Oct 17 j 00:05	29°♓10'23	4.14225 AU
opposition	-3468 Oct 18 j 01:22	29°♓01'45	-1°27'12
direct	-3468 Dec 15 j 23:23	24°♓01'13	
	-3467 Feb 17 j 22:01	0°♈	
evening set	-3467 Apr 21 j 20:22	12°♈48'56	
conjunction	-3467 May 05 j 14:59	15°♈55'24	-0°40'15
minimum elong	-3467 May 05 j 15:03	15°♈55'25	0°40'12
max. Earth dist.	-3467 May 06 j 22:59	16°♈13'29	6.19931 AU
morning rise	-3467 May 19 j 09:03	19°♈01'24	
	-3467 Jul 11 j 07:45	0°♉	
retrograde	-3467 Sep 21 j 10:29	7°♉22'26	
opposition	-3467 Nov 19 j 21:26	2°♉21'18	-0°27'34
min. Earth dist.	-3467 Nov 19 j 08:36	2°♉25'38	4.25568 AU
	-3467 Dec 08 j 02:59	30℞♈	
direct	-3466 Jan 19 j 00:43	27°♈18'32	
	-3466 Mar 02 j 10:48	0°♉	
asc. node	-3466 May 03 j 15:22	10°♉43'06	

Attention, astronomical year style is used: The year -3466 in astronomical counting style is the year 3467 BCE in historical counting style.

	-3466 May 23 j 14:41	15°♉	
evening set	-3466 May 26 j 14:33	15°♉39'23	
conjunction	-3466 Jun 09 j 05:12	18°♉39'42	0°04'13
minimum elong	-3466 Jun 09 j 05:11	18°♉39'41	0°04'19
behind sun begin	-3466 Jun 08 j 21:03	18°♉35'13	
behind sun end	-3466 Jun 09 j 13:18	18°♉44'09	
max. Earth dist.	-3466 Jun 09 j 11:11	18°♉42'58	6.30771 AU
morning rise	-3466 Jun 22 j 17:44	21°♉38'44	
	-3466 Aug 01 j 18:45	0°♊	
retrograde	-3466 Oct 22 j 19:37	9°♊09'13	
opposition	-3466 Dec 21 j 12:21	4°♊12'01	0°37'42
min. Earth dist.	-3466 Dec 21 j 16:09	4°♊10'46	4.35018 AU
	-3465 Jan 28 j 08:13	30°℞♉	
direct	-3465 Feb 20 j 22:59	29°♉08'20	
	-3465 Mar 16 j 19:59	0°♊	
evening set	-3465 Jun 28 j 17:01	17°♊08'45	
conjunction	-3465 Jul 11 j 23:36	20°♊02'40	0°46'00
minimum elong	-3465 Jul 11 j 23:33	20°♊02'39	0°46'07
max. Earth dist.	-3465 Jul 11 j 06:27	19°♊53'17	6.38108 AU
morning rise	-3465 Jul 25 j 02:46	22°♊54'55	
	-3465 Aug 28 j 00:41	0°♋	
retrograde	-3465 Nov 22 j 12:34	9°♋57'25	
opposition	-3464 Jan 21 j 15:30	5°♋03'39	1°30'10
min. Earth dist.	-3464 Jan 22 j 09:45	4°♋57'44	4.39862 AU
direct	-3464 Mar 23 j 23:23	0°♋00'34	
evening set	-3464 Jul 29 j 11:57	17°♋51'27	
max. Earth dist.	-3464 Aug 09 j 20:55	20°♋20'49	6.39977 AU
conjunction	-3464 Aug 11 j 09:15	20°♋40'46	1°14'05
minimum elong	-3464 Aug 11 j 09:13	20°♋40'45	1°14'12
morning rise	-3464 Aug 24 j 03:34	23°♋28'37	
	-3464 Sep 24 j 02:54	0°♌	
retrograde	-3464 Dec 22 j 13:46	10°♌29'28	
opposition	-3463 Feb 21 j 02:06	5°♌37'40	1°57'17
min. Earth dist.	-3463 Feb 22 j 07:35	5°♌28'14	4.38789 AU
direct	-3463 Apr 24 j 19:04	0°♌36'16	
	-3463 Aug 13 j 11:42	15°♌	
evening set	-3463 Aug 29 j 13:34	18°♌29'40	
max. Earth dist.	-3463 Sep 09 j 09:08	20°♌53'41	6.35928 AU
conjunction	-3463 Sep 11 j 04:32	21°♌17'50	1°21'26
minimum elong	-3463 Sep 11 j 04:32	21°♌17'50	1°21'31
morning rise	-3463 Sep 23 j 17:11	24°♌05'00	
	-3463 Oct 21 j 05:45	0°♍	
retrograde	-3462 Jan 23 j 14:22	11°♍29'35	
opposition	-3462 Mar 25 j 12:47	6°♍37'57	1°51'49
min. Earth dist.	-3462 Mar 26 j 19:33	6°♍28'10	4.32061 AU
direct	-3462 May 26 j 19:58	1°♍39'09	
evening set	-3462 Sep 29 j 16:49	19°♍46'09	
max. Earth dist.	-3462 Oct 10 j 14:46	22°♍14'48	6.27048 AU
conjunction	-3462 Oct 12 j 05:40	22°♍36'57	1°05'23
minimum elong	-3462 Oct 12 j 05:43	22°♍36'59	1°05'25
morning rise	-3462 Oct 24 j 17:47	25°♍27'36	
	-3462 Nov 14 j 04:19	0°♎	
retrograde	-3461 Feb 26 j 10:28	13°♎37'07	
opposition	-3461 Apr 28 j 11:59	8°♎43'54	1°12'29
min. Earth dist.	-3461 Apr 29 j 12:14	8°♎36'10	4.21531 AU
direct	-3461 Jun 28 j 20:49	3°♎48'00	
evening set	-3461 Oct 31 j 17:22	22°♎16'51	
max. Earth dist.	-3461 Nov 12 j 09:26	24°♎59'49	6.15850 AU
conjunction	-3461 Nov 13 j 08:46	25°♎13'25	0°28'38
minimum elong	-3461 Nov 13 j 08:48	25°♎13'26	0°28'34
morning rise	-3461 Nov 26 j 01:13	28°♎10'43	

	-3461 Dec 03 j 22:45	0°♏	
	-3460 Feb 23 j 04:09	15°♏	
retrograde	-3460 Apr 02 j 01:45	17°♏16'56	
	-3460 May 11 j 07:22	15°℞♏	
opposition	-3460 Jun 02 j 01:25	12°♏20'32	0°07'16
min. Earth dist.	-3460 Jun 02 j 08:33	12°♏18'13	4.10445 AU
desc. node	-3460 Jul 12 j 05:05	8°♏04'57	
direct	-3460 Aug 01 j 00:34	7°♏26'54	
	-3460 Oct 12 j 04:46	15°♏	
evening set	-3460 Dec 03 j 08:08	26°♏20'52	
conjunction	-3460 Dec 16 j 05:14	29°♏24'11	-0°19'04
minimum elong	-3460 Dec 16 j 05:12	29°♏24'10	0°19'10
max. Earth dist.	-3460 Dec 16 j 07:38	29°♏25'37	6.05921 AU
	-3460 Dec 18 j 17:28	0°♐	
morning rise	-3460 Dec 29 j 04:47	2°♐28'58	
retrograde	-3459 May 09 j 04:16	22°♐26'26	
opposition	-3459 Jul 08 j 18:02	17°♐26'03	-1°03'30
min. Earth dist.	-3459 Jul 08 j 07:00	17°♐29'42	4.02595 AU
direct	-3459 Sep 05 j 11:52	12°♐32'58	
	-3459 Dec 31 j 05:54	0°♑	
evening set	-3458 Jan 07 j 19:02	1°♑47'03	
conjunction	-3458 Jan 20 j 23:14	4°♑55'41	-1°01'03
minimum elong	-3458 Jan 20 j 23:11	4°♑55'39	1°01'10
max. Earth dist.	-3458 Jan 22 j 04:17	5°♑13'03	6.00807 AU
morning rise	-3458 Feb 03 j 06:43	8°♑06'06	
retrograde	-3458 Jun 15 j 11:53	28°♑27'10	
min. Earth dist.	-3458 Aug 13 j 11:40	23°♑32'08	4.00928 AU
opposition	-3458 Aug 14 j 13:46	23°♑23'21	-1°51'45
direct	-3458 Oct 11 j 14:18	18°♑28'42	
	-3457 Jan 10 j 03:52	0°♒	
evening set	-3457 Feb 13 j 14:23	7°♒48'37	
conjunction	-3457 Feb 27 j 01:48	10°♒59'33	-1°20'18
minimum elong	-3457 Feb 27 j 01:48	10°♒59'33	1°20'24
max. Earth dist.	-3457 Feb 28 j 22:44	11°♒26'07	6.02578 AU
morning rise	-3457 Mar 12 j 16:21	14°♒11'57	
	-3457 Mar 16 j 02:33	15°♒	
	-3457 May 29 j 15:34	0°♓	
retrograde	-3457 Jul 21 j 18:31	4°♓15'26	
	-3457 Sep 13 j 07:38	30°℞♒	
min. Earth dist.	-3457 Sep 18 j 04:07	29°♒20'26	4.06033 AU
opposition	-3457 Sep 19 j 10:14	29°♒10'09	-1°57'06
direct	-3457 Nov 16 j 14:46	24°♒12'21	
	-3456 Jan 17 j 10:00	0°♓	
evening set	-3456 Mar 21 j 14:54	13°♓20'10	
conjunction	-3456 Apr 04 j 08:09	16°♓30'05	-1°09'24
minimum elong	-3456 Apr 04 j 08:13	16°♓30'07	1°09'26
max. Earth dist.	-3456 Apr 06 j 05:37	16°♓56'21	6.10512 AU
morning rise	-3456 Apr 18 j 02:41	19°♓40'28	
	-3456 Jun 05 j 04:50	0°♈	
retrograde	-3456 Aug 24 j 06:01	8°♈53'20	
opposition	-3456 Oct 22 j 16:04	3°♈49'24	-1°20'06
min. Earth dist.	-3456 Oct 21 j 16:29	3°♈57'26	4.15898 AU
	-3456 Nov 23 j 20:24	30°℞♓	
direct	-3456 Dec 20 j 17:34	28°♓48'30	
	-3455 Jan 16 j 22:36	0°♈	
evening set	-3455 Apr 26 j 17:06	17°♈31'59	
conjunction	-3455 May 10 j 11:23	20°♈37'39	-0°34'30
minimum elong	-3455 May 10 j 11:25	20°♈37'41	0°34'27
max. Earth dist.	-3455 May 11 j 14:35	20°♈52'58	6.21541 AU
morning rise	-3455 May 24 j 05:10	23°♈42'48	
	-3455 Jun 22 j 05:44	0°♉	
retrograde	-3455 Sep 25 j 19:11	11°♉56'03	

Attention, astronomical year style is used: The year -3455 in astronomical counting style is the year 3456 BCE in historical counting style.

opposition	-3455 Nov 24 j 07:11	6°♉55'25	-0°18'27
min. Earth dist.	-3455 Nov 23 j 20:53	6°♉58'53	4.26975 AU
direct	-3454 Jan 23 j 15:14	1°♉52'23	
asc. node	-3454 Mar 14 j 08:04	5°♉28'49	
	-3454 May 07 j 02:37	15°♉	
evening set	-3454 May 31 j 05:56	20°♉10'15	
conjunction	-3454 Jun 13 j 19:49	23°♉09'45	0°10'23
minimum elong	-3454 Jun 13 j 19:48	23°♉09'45	0°10'29
behind sun begin	-3454 Jun 13 j 13:26	23°♉06'15	
behind sun end	-3454 Jun 14 j 02:10	23°♉13'15	
max. Earth dist.	-3454 Jun 13 j 23:07	23°♉11'34	6.31889 AU
morning rise	-3454 Jun 27 j 07:06	26°♉07'52	
	-3454 Jul 15 j 05:35	0°♊	
retrograde	-3454 Oct 27 j 01:50	13°♊33'41	
opposition	-3454 Dec 25 j 19:46	8°♊37'03	0°46'00
min. Earth dist.	-3454 Dec 26 j 01:38	8°♊35'07	4.35779 AU
direct	-3453 Feb 25 j 09:34	3°♊33'24	
evening set	-3453 Jul 03 j 04:21	21°♊32'39	
max. Earth dist.	-3453 Jul 15 j 11:53	24°♊14'02	6.38445 AU
conjunction	-3453 Jul 16 j 09:34	24°♊25'54	0°50'53
minimum elong	-3453 Jul 16 j 09:31	24°♊25'53	0°50'59
morning rise	-3453 Jul 29 j 11:39	27°♊17'32	
	-3453 Aug 11 j 01:19	0°♋	
retrograde	-3453 Nov 26 j 20:27	14°♋19'11	
opposition	-3452 Jan 25 j 23:51	9°♋25'47	1°35'38
min. Earth dist.	-3452 Jan 26 j 20:32	9°♋19'04	4.39791 AU
direct	-3452 Mar 28 j 10:19	4°♋22'50	
evening set	-3452 Aug 02 j 20:37	22°♋14'18	
max. Earth dist.	-3452 Aug 14 j 04:29	24°♋43'17	6.39499 AU
conjunction	-3452 Aug 15 j 17:03	25°♋03'24	1°16'25
minimum elong	-3452 Aug 15 j 17:01	25°♋03'23	1°16'32
morning rise	-3452 Aug 28 j 10:15	27°♋51'01	
	-3452 Sep 07 j 08:02	0°♌	
retrograde	-3452 Dec 26 j 22:49	14°♌54'32	
opposition	-3451 Feb 25 j 13:34	10°♌02'53	1°58'31
min. Earth dist.	-3451 Feb 26 j 18:42	9°♌53'35	4.37961 AU
direct	-3451 Apr 29 j 05:07	5°♌01'52	
	-3451 Jul 27 j 03:13	15°♌	
evening set	-3451 Sep 02 j 22:16	22°♌57'08	
max. Earth dist.	-3451 Sep 13 j 16:58	25°♌21'08	6.34814 AU
conjunction	-3451 Sep 15 j 12:32	25°♌45'28	1°20'33
minimum elong	-3451 Sep 15 j 12:33	25°♌45'29	1°20'36
morning rise	-3451 Sep 28 j 00:55	28°♌32'58	
	-3451 Oct 04 j 14:22	0°♍	
retrograde	-3450 Jan 28 j 07:03	16°♍02'58	
opposition	-3450 Mar 30 j 05:16	11°♍11'14	1°48'11
min. Earth dist.	-3450 Mar 31 j 12:10	11°♍01'25	4.30724 AU
direct	-3450 May 31 j 11:10	6°♍12'51	
evening set	-3450 Oct 04 j 03:24	24°♍22'27	
max. Earth dist.	-3450 Oct 15 j 03:21	26°♍52'44	6.25611 AU
conjunction	-3450 Oct 16 j 16:26	27°♍13'55	1°01'17
minimum elong	-3450 Oct 16 j 16:29	27°♍13'57	1°01'17
	-3450 Oct 28 j 19:32	0°♎	
morning rise	-3450 Oct 29 j 04:53	0°♎05'19	
retrograde	-3449 Mar 03 j 06:44	18°♎21'54	
opposition	-3449 May 03 j 09:36	13°♎28'18	1°04'30
min. Earth dist.	-3449 May 04 j 06:42	13°♎21'34	4.20086 AU
direct	-3449 Jul 03 j 13:07	8°♎32'49	
evening set	-3449 Nov 05 j 07:56	27°♎04'27	
conjunction	-3449 Nov 17 j 23:56	0°♏01'50	0°22'16
minimum elong	-3449 Nov 17 j 23:57	0°♏01'51	0°22'12
max. Earth dist.	-3449 Nov 17 j 04:25	29°♎50'25	6.14522 AU
	-3449 Nov 17 j 20:48	0°♏	
morning rise	-3449 Nov 30 j 17:10	3°♏00'04	
	-3448 Jan 26 j 03:12	15°♏	
retrograde	-3448 Apr 07 j 05:12	22°♏13'23	
desc. node	-3448 May 22 j 04:03	19°♏16'53	
opposition	-3448 Jun 07 j 03:17	17°♏16'26	-0°02'54
min. Earth dist.	-3448 Jun 07 j 08:33	17°♏14'43	4.09314 AU
	-3448 Jun 25 j 09:11	15°℞♏	
direct	-3448 Aug 05 j 23:04	12°♏22'59	
	-3448 Sep 15 j 16:31	15°♏	
	-3448 Dec 02 j 13:12	0°♐	
evening set	-3448 Dec 08 j 04:01	1°♐19'22	
conjunction	-3448 Dec 21 j 02:01	4°♐23'26	-0°25'41
minimum elong	-3448 Dec 21 j 01:59	4°♐23'24	0°25'48
max. Earth dist.	-3448 Dec 21 j 08:03	4°♐27'01	6.05084 AU
morning rise	-3447 Jan 03 j 02:37	7°♐29'02	
retrograde	-3447 May 14 j 07:47	27°♐30'56	
opposition	-3447 Jul 13 j 20:51	22°♐30'04	-1°12'10
min. Earth dist.	-3447 Jul 13 j 06:58	22°♐34'40	4.02163 AU
direct	-3447 Sep 10 j 10:53	17°♐36'56	
	-3447 Dec 13 j 23:40	0°♑	
evening set	-3446 Jan 12 j 19:55	6°♑52'12	
conjunction	-3446 Jan 26 j 01:00	10°♑01'14	-1°05'22
minimum elong	-3446 Jan 26 j 00:56	10°♑01'12	1°05'29
max. Earth dist.	-3446 Jan 27 j 07:49	10°♑19'39	6.00789 AU
morning rise	-3446 Feb 08 j 09:31	13°♑12'04	
	-3446 May 03 j 04:55	0°♒	
retrograde	-3446 Jun 20 j 13:39	3°♒32'46	
	-3446 Aug 08 j 03:40	30°℞♑	
min. Earth dist.	-3446 Aug 18 j 11:18	28°♑37'44	4.01340 AU
opposition	-3446 Aug 19 j 14:19	28°♑28'36	-1°55'14
direct	-3446 Oct 16 j 14:54	23°♑33'33	
	-3446 Dec 20 j 12:28	0°♒	
evening set	-3445 Feb 18 j 17:07	12°♒52'40	
	-3445 Feb 27 j 17:38	15°♒	
conjunction	-3445 Mar 04 j 05:38	16°♒03'41	-1°20'35
minimum elong	-3445 Mar 04 j 05:39	16°♒03'41	1°20'39
max. Earth dist.	-3445 Mar 06 j 04:40	16°♒31'24	6.03381 AU
morning rise	-3445 Mar 17 j 20:48	19°♒16'00	
	-3445 May 05 j 21:43	0°♓	
retrograde	-3445 Jul 26 j 16:16	9°♓14'08	
min. Earth dist.	-3445 Sep 23 j 00:55	4°♓18'55	4.07138 AU
opposition	-3445 Sep 24 j 06:08	4°♓08'56	-1°54'12
	-3445 Oct 30 j 12:59	30°℞♒	
direct	-3445 Nov 21 j 12:23	29°♒10'44	
	-3445 Dec 13 j 15:35	0°♓	
evening set	-3444 Mar 26 j 16:15	18°♓15'59	
conjunction	-3444 Apr 09 j 09:50	21°♓25'31	-1°05'43
minimum elong	-3444 Apr 09 j 09:54	21°♓25'33	1°05'44
max. Earth dist.	-3444 Apr 11 j 04:22	21°♓50'00	6.11811 AU
morning rise	-3444 Apr 23 j 04:46	24°♓35'28	
	-3444 May 17 j 10:53	0°♈	
retrograde	-3444 Aug 28 j 19:46	13°♈40'42	
min. Earth dist.	-3444 Oct 26 j 08:12	8°♈44'43	4.17256 AU
opposition	-3444 Oct 27 j 06:29	8°♈37'07	-1°12'31
direct	-3444 Dec 25 j 11:27	3°♈35'50	
evening set	-3443 May 01 j 14:25	22°♈16'27	
conjunction	-3443 May 15 j 08:33	25°♈21'28	-0°28'30
minimum elong	-3443 May 15 j 08:36	25°♈21'30	0°28'27
max. Earth dist.	-3443 May 16 j 09:02	25°♈35'13	6.22872 AU
morning rise	-3443 May 29 j 01:40	28°♈25'48	

Attention, astronomical year style is used: The year -3443 in astronomical counting style is the year 3444 BCE in historical counting style.

	-3443 Jun 05 j 03:44	0°♉	
	-3443 Aug 30 j 04:01	15°♉	
retrograde	-3443 Sep 30 j 06:27	16°♉32'16	
	-3443 Oct 31 j 02:48	15°℞♉	
opposition	-3443 Nov 28 j 17:47	11°♉32'14	-0°09'10
min. Earth dist.	-3443 Nov 28 j 10:07	11°♉34'48	4.28151 AU
asc. node	-3442 Jan 22 j 06:29	6°♉32'30	
direct	-3442 Jan 28 j 06:30	6°♉29'03	
	-3442 Apr 18 j 11:27	15°♉	
evening set	-3442 Jun 04 j 22:34	24°♉44'45	
conjunction	-3442 Jun 18 j 11:26	27°♉43'28	0°16'36
minimum elong	-3442 Jun 18 j 11:24	27°♉43'27	0°16'42
max. Earth dist.	-3442 Jun 18 j 10:30	27°♉42'57	6.32811 AU
	-3442 Jun 28 j 19:22	0°♊	
morning rise	-3442 Jul 01 j 21:42	0°♊40'46	
retrograde	-3442 Oct 31 j 09:49	18°♊02'39	
opposition	-3442 Dec 30 j 04:56	13°♊06'30	0°54'13
min. Earth dist.	-3442 Dec 30 j 12:47	13°♊03'55	4.36415 AU
direct	-3441 Mar 01 j 21:53	8°♊02'52	
evening set	-3441 Jul 07 j 16:54	26°♊01'12	
conjunction	-3441 Jul 20 j 20:57	28°♊53'49	0°55'34
minimum elong	-3441 Jul 20 j 20:53	28°♊53'47	0°55'41
max. Earth dist.	-3441 Jul 19 j 22:09	28°♊41'20	6.38754 AU
	-3441 Jul 25 j 21:42	0°♋	
morning rise	-3441 Aug 02 j 21:34	1°♋44'46	
retrograde	-3441 Dec 01 j 04:44	18°♋45'39	
opposition	-3440 Jan 30 j 09:50	13°♋52'38	1°40'40
min. Earth dist.	-3440 Jan 31 j 07:28	13°♋45'39	4.39792 AU
direct	-3440 Apr 01 j 21:40	8°♋49'59	
evening set	-3440 Aug 07 j 06:46	26°♋41'31	
max. Earth dist.	-3440 Aug 18 j 11:08	29°♋08'52	6.39187 AU
conjunction	-3440 Aug 20 j 01:58	29°♋30'15	1°18'23
minimum elong	-3440 Aug 20 j 01:56	29°♋30'15	1°18'29
	-3440 Aug 22 j 07:57	0°♌	
morning rise	-3440 Sep 01 j 18:22	2°♌17'38	
	-3440 Nov 06 j 13:10	15°♌	
retrograde	-3440 Dec 31 j 11:01	19°♌23'11	
	-3439 Feb 26 j 09:15	15°℞♌	
opposition	-3439 Mar 02 j 02:24	14°♌31'36	1°59'07
min. Earth dist.	-3439 Mar 03 j 08:17	14°♌22'04	4.37386 AU
direct	-3439 May 03 j 18:10	9°♌30'53	
	-3439 Jul 06 j 07:13	15°♌	
evening set	-3439 Sep 07 j 07:12	27°♌26'54	
max. Earth dist.	-3439 Sep 18 j 03:20	29°♌51'57	6.34027 AU
	-3439 Sep 18 j 17:42	0°♍	
conjunction	-3439 Sep 19 j 21:08	0°♍15'22	1°19'13
minimum elong	-3439 Sep 19 j 21:10	0°♍15'22	1°19'17
morning rise	-3439 Oct 02 j 09:03	3°♍03'01	
retrograde	-3438 Feb 01 j 21:22	20°♍37'16	
opposition	-3438 Apr 03 j 21:50	15°♍45'21	1°43'55
min. Earth dist.	-3438 Apr 05 j 02:55	15°♍36'07	4.29774 AU
direct	-3438 Jun 05 j 00:20	10°♍47'23	
evening set	-3438 Oct 08 j 13:25	28°♍58'07	
	-3438 Oct 13 j 02:08	0°♎	
max. Earth dist.	-3438 Oct 19 j 15:02	1°♎29'44	6.24578 AU
conjunction	-3438 Oct 21 j 02:24	1°♎50'00	0°56'51
minimum elong	-3438 Oct 21 j 02:28	1°♎50'02	0°56'50
morning rise	-3438 Nov 02 j 15:16	4°♎42'00	
retrograde	-3437 Mar 08 j 03:59	23°♎04'20	
opposition	-3437 May 08 j 06:08	18°♎10'17	0°56'11
min. Earth dist.	-3437 May 09 j 02:01	18°♎03'55	4.19010 AU
direct	-3437 Jul 08 j 06:55	13°♎15'03	
	-3437 Nov 02 j 01:39	0°♏	
evening set	-3437 Nov 09 j 20:59	1°♏48'16	
conjunction	-3437 Nov 22 j 13:40	4°♏46'21	0°15'52
minimum elong	-3437 Nov 22 j 13:41	4°♏46'22	0°15'49
behind sun begin	-3437 Nov 22 j 11:43	4°♏45'13	
behind sun end	-3437 Nov 22 j 15:39	4°♏47'31	
max. Earth dist.	-3437 Nov 21 j 21:21	4°♏36'48	6.13512 AU
morning rise	-3437 Dec 05 j 07:40	7°♏45'23	
	-3436 Jan 06 j 13:47	15°♏	
desc. node	-3436 Apr 02 j 08:53	26°♏55'18	
retrograde	-3436 Apr 12 j 03:58	27°♏04'21	
opposition	-3436 Jun 12 j 02:15	22°♏06'53	-0°12'51
min. Earth dist.	-3436 Jun 12 j 04:51	22°♏06'03	4.08460 AU
direct	-3436 Aug 10 j 17:15	17°♏13'34	
	-3436 Nov 15 j 23:09	0°♐	
evening set	-3436 Dec 12 j 21:47	6°♐11'41	
conjunction	-3436 Dec 25 j 20:31	9°♐16'21	-0°31'57
minimum elong	-3436 Dec 25 j 20:29	9°♐16'20	0°32'04
max. Earth dist.	-3436 Dec 26 j 04:48	9°♐21'17	6.04445 AU
morning rise	-3435 Jan 07 j 22:11	12°♐22'41	
	-3435 Apr 09 j 03:17	0°♑	
retrograde	-3435 May 19 j 08:39	2°♑28'16	
	-3435 Jun 28 j 15:41	30°℞♐	
opposition	-3435 Jul 18 j 20:26	27°♐26'52	-1°20'04
min. Earth dist.	-3435 Jul 18 j 04:52	27°♐32'02	4.01808 AU
direct	-3435 Sep 15 j 08:27	22°♐33'31	
	-3435 Nov 24 j 17:31	0°♑	
evening set	-3434 Jan 17 j 17:56	11°♑49'56	
conjunction	-3434 Jan 31 j 00:09	14°♑59'26	-1°09'06
minimum elong	-3434 Jan 31 j 00:06	14°♑59'24	1°09'13
max. Earth dist.	-3434 Feb 01 j 10:24	15°♑19'51	6.00748 AU
morning rise	-3434 Feb 13 j 09:33	18°♑10'40	
	-3434 Apr 08 j 08:26	0°♒	
retrograde	-3434 Jun 25 j 14:00	8°♒30'58	
min. Earth dist.	-3434 Aug 23 j 08:49	3°♒35'44	4.01640 AU
opposition	-3434 Aug 24 j 11:52	3°♒26'35	-1°57'49
	-3434 Sep 21 j 18:57	30°℞♑	
direct	-3434 Oct 21 j 11:43	28°♑31'10	
	-3434 Nov 20 j 04:36	0°♒	
	-3433 Feb 11 j 12:32	15°♒	
evening set	-3433 Feb 23 j 17:49	17°♒50'07	
conjunction	-3433 Mar 09 j 07:05	21°♒01'15	-1°20'15
minimum elong	-3433 Mar 09 j 07:06	21°♒01'15	1°20'20
max. Earth dist.	-3433 Mar 11 j 04:53	21°♒28'11	6.03979 AU
morning rise	-3433 Mar 22 j 23:13	24°♒13'39	
	-3433 Apr 17 j 08:04	0°♓	
retrograde	-3433 Jul 31 j 09:54	14°♓07'10	
opposition	-3433 Sep 28 j 23:34	9°♓02'04	-1°50'35
min. Earth dist.	-3433 Sep 27 j 18:21	9°♓12'03	4.07982 AU
direct	-3433 Nov 26 j 07:11	4°♓03'24	
evening set	-3432 Mar 31 j 16:06	23°♓07'16	
conjunction	-3432 Apr 14 j 10:17	26°♓16'35	-1°01'37
minimum elong	-3432 Apr 14 j 10:21	26°♓16'37	1°01'37
max. Earth dist.	-3432 Apr 16 j 03:17	26°♓40'07	6.12860 AU
morning rise	-3432 Apr 28 j 05:18	29°♓26'07	
	-3432 Apr 30 j 16:56	0°♈	
retrograde	-3432 Sep 02 j 11:13	18°♈24'44	
opposition	-3432 Oct 31 j 20:06	13°♈21'37	-1°04'33
min. Earth dist.	-3432 Oct 31 j 00:08	13°♈28'24	4.18388 AU
direct	-3432 Dec 30 j 05:34	8°♈20'02	
evening set	-3431 May 06 j 10:56	26°♈58'24	
	-3431 May 19 j 23:40	0°♉	

Attention, astronomical year style is used: The year -3431 in astronomical counting style is the year 3432 BCE in historical counting style.

conjunction	-3431 May 20 j 04:45	0°♉02'50	-0°22'22
minimum elong	-3431 May 20 j 04:47	0°♉02'51	0°22'18
max. Earth dist.	-3431 May 21 j 02:32	0°♉15'03	6.24018 AU
morning rise	-3431 Jun 02 j 21:19	3°♉06'27	
	-3431 Jul 31 j 16:45	15°♉	
retrograde	-3431 Oct 04 j 15:35	21°♉06'50	
asc. node	-3431 Dec 02 j 10:28	16°♉13'16	
opposition	-3431 Dec 03 j 04:14	16°♉07'19	0°00'07
min. Earth dist.	-3431 Dec 02 j 21:38	16°♉09'32	4.29222 AU
	-3431 Dec 11 j 15:11	15°℞♉	
direct	-3430 Feb 01 j 20:04	11°♉04'00	
	-3430 Mar 26 j 03:58	15°♉	
evening set	-3430 Jun 09 j 14:42	29°♉17'36	
	-3430 Jun 12 j 20:11	0°♊	
conjunction	-3430 Jun 23 j 02:30	2°♊15'29	0°22'41
minimum elong	-3430 Jun 23 j 02:28	2°♊15'28	0°22'47
max. Earth dist.	-3430 Jun 22 j 22:55	2°♊13'31	6.33741 AU
morning rise	-3430 Jul 06 j 11:32	5°♊11'53	
retrograde	-3430 Nov 04 j 18:25	22°♊29'45	
opposition	-3429 Jan 03 j 13:56	17°♊34'07	1°02'03
min. Earth dist.	-3429 Jan 03 j 23:58	17°♊30'50	4.37133 AU
direct	-3429 Mar 06 j 10:41	12°♊30'33	
	-3429 Jul 10 j 02:14	0°♋	
evening set	-3429 Jul 12 j 04:37	0°♋27'20	
max. Earth dist.	-3429 Jul 24 j 05:33	3°♋05'07	6.39172 AU
conjunction	-3429 Jul 25 j 07:21	3°♋19'14	0°59'54
minimum elong	-3429 Jul 25 j 07:17	3°♋19'13	1°00'02
morning rise	-3429 Aug 07 j 06:46	6°♋09'30	
retrograde	-3429 Dec 05 j 12:37	23°♋09'17	
opposition	-3428 Feb 03 j 19:16	18°♋16'30	1°45'06
min. Earth dist.	-3428 Feb 04 j 18:01	18°♋09'10	4.39888 AU
direct	-3428 Apr 06 j 08:14	13°♋14'00	
	-3428 Aug 06 j 15:33	0°♌	
evening set	-3428 Aug 11 j 15:07	1°♌05'06	
max. Earth dist.	-3428 Aug 22 j 18:47	3°♌32'13	6.38922 AU
conjunction	-3428 Aug 24 j 09:25	3°♌53'32	1°19'53
minimum elong	-3428 Aug 24 j 09:23	3°♌53'31	1°19'58
morning rise	-3428 Sep 06 j 00:45	6°♌40'36	
	-3428 Oct 16 j 01:30	15°♌	
retrograde	-3427 Jan 04 j 21:01	23°♌48'18	
opposition	-3427 Mar 06 j 14:13	18°♌56'48	1°59'02
min. Earth dist.	-3427 Mar 07 j 20:26	18°♌47'10	4.36752 AU
	-3427 Apr 11 j 11:00	15°℞♌	
direct	-3427 May 08 j 05:00	13°♌56'28	
	-3427 Jun 04 j 00:24	15°♌	
	-3427 Sep 03 j 01:22	0°♍	
evening set	-3427 Sep 11 j 14:51	1°♍53'27	
max. Earth dist.	-3427 Sep 22 j 09:15	4°♍17'59	6.33049 AU
conjunction	-3427 Sep 24 j 04:12	4°♍42'06	1°17'26
minimum elong	-3427 Sep 24 j 04:14	4°♍42'07	1°17'30
morning rise	-3427 Oct 06 j 16:04	7°♍30'06	
retrograde	-3426 Feb 06 j 13:30	25°♍09'38	
opposition	-3426 Apr 08 j 13:50	20°♍17'32	1°39'04
min. Earth dist.	-3426 Apr 09 j 18:41	20°♍08'21	4.28488 AU
direct	-3426 Jun 09 j 13:45	15°♍19'54	
	-3426 Sep 27 j 03:00	0°♎	
evening set	-3426 Oct 12 j 23:00	3°♎33'13	
max. Earth dist.	-3426 Oct 24 j 03:40	6°♎07'02	6.23104 AU
conjunction	-3426 Oct 25 j 12:26	6°♎25'52	0°52'04
minimum elong	-3426 Oct 25 j 12:29	6°♎25'54	0°52'03
morning rise	-3426 Nov 07 j 01:39	9°♎18'40	
retrograde	-3425 Mar 13 j 00:43	27°♎48'33	
opposition	-3425 May 13 j 03:10	22°♎54'09	0°47'27
min. Earth dist.	-3425 May 13 j 21:04	22°♎48'25	4.17442 AU
direct	-3425 Jul 12 j 22:51	17°♎59'18	
	-3425 Oct 16 j 04:53	0°♏	
evening set	-3425 Nov 14 j 11:36	6°♏36'10	
conjunction	-3425 Nov 27 j 04:53	9°♏35'12	0°09'18
minimum elong	-3425 Nov 27 j 04:53	9°♏35'13	0°09'13
behind sun begin	-3425 Nov 26 j 22:04	9°♏31'13	
behind sun end	-3425 Nov 27 j 11:42	9°♏39'12	
max. Earth dist.	-3425 Nov 26 j 14:33	9°♏26'48	6.11983 AU
morning rise	-3425 Dec 09 j 23:57	12°♏35'21	
	-3425 Dec 20 j 09:39	15°♏	
desc. node	-3424 Feb 11 j 17:20	25°♏56'25	
	-3424 Mar 11 j 15:52	0°♐	
retrograde	-3424 Apr 17 j 06:38	2°♐02'19	
	-3424 May 24 j 01:18	30°℞♏	
opposition	-3424 Jun 17 j 03:52	27°♏04'18	-0°22'58
min. Earth dist.	-3424 Jun 17 j 03:58	27°♏04'16	4.07091 AU
direct	-3424 Aug 15 j 15:03	22°♏11'05	
	-3424 Oct 27 j 16:19	0°♐	
evening set	-3424 Dec 17 j 18:56	11°♐12'59	
conjunction	-3424 Dec 30 j 18:50	14°♐18'36	-0°38'11
minimum elong	-3424 Dec 30 j 18:47	14°♐18'34	0°38'18
max. Earth dist.	-3424 Dec 31 j 07:54	14°♐26'24	6.03371 AU
morning rise	-3423 Jan 12 j 21:29	17°♐25'51	
	-3423 Mar 11 j 21:39	0°♑	
retrograde	-3423 May 24 j 15:19	7°♑36'36	
opposition	-3423 Jul 23 j 23:56	2°♑34'46	-1°27'40
min. Earth dist.	-3423 Jul 23 j 06:45	2°♑40'29	4.01168 AU
	-3423 Aug 13 j 10:08	30°℞♐	
direct	-3423 Sep 20 j 08:59	27°♐41'18	
	-3423 Oct 27 j 20:48	0°♑	
evening set	-3422 Jan 22 j 21:17	17°♑00'02	
conjunction	-3422 Feb 05 j 04:24	20°♑10'02	-1°12'27
minimum elong	-3422 Feb 05 j 04:22	20°♑10'00	1°12'34
max. Earth dist.	-3422 Feb 06 j 16:00	20°♑31'16	6.00578 AU
morning rise	-3422 Feb 18 j 15:02	23°♑21'49	
	-3422 Mar 19 j 12:51	0°♒	
retrograde	-3422 Jun 30 j 16:01	13°♒41'38	
min. Earth dist.	-3422 Aug 28 j 08:31	8°♒46'50	4.02001 AU
opposition	-3422 Aug 29 j 13:31	8°♒37'00	-1°59'35
direct	-3422 Oct 26 j 12:18	3°♒41'13	
	-3421 Jan 24 j 09:55	15°♒	
evening set	-3421 Feb 28 j 23:18	22°♒59'40	
conjunction	-3421 Mar 14 j 13:35	26°♒10'49	-1°19'19
minimum elong	-3421 Mar 14 j 13:37	26°♒10'50	1°19'24
max. Earth dist.	-3421 Mar 16 j 12:48	26°♒38'32	6.04859 AU
morning rise	-3421 Mar 28 j 06:16	29°♒23'05	
	-3421 Mar 30 j 21:54	0°♓	
retrograde	-3421 Aug 05 j 09:03	19°♓10'20	
opposition	-3421 Oct 03 j 20:47	14°♓05'22	-1°46'04
min. Earth dist.	-3421 Oct 02 j 16:37	14°♓14'59	4.09298 AU
direct	-3421 Dec 01 j 08:10	9°♓06'17	
evening set	-3420 Apr 05 j 19:05	28°♓06'31	
	-3420 Apr 14 j 01:58	0°♈	
conjunction	-3420 Apr 19 j 13:31	1°♈15'14	-0°57'02
minimum elong	-3420 Apr 19 j 13:34	1°♈15'16	0°57'01
max. Earth dist.	-3420 Apr 21 j 05:53	1°♈38'19	6.14528 AU
morning rise	-3420 May 03 j 08:30	4°♈24'01	
retrograde	-3420 Sep 07 j 00:53	23°♈13'15	
opposition	-3420 Nov 05 j 11:00	18°♈10'30	-0°56'05
min. Earth dist.	-3420 Nov 04 j 15:19	18°♈17'11	4.20254 AU

Attention, astronomical year style is used: The year -3419 in astronomical counting style is the year 3420 BCE in historical counting style.

direct	-3419 Jan 03 j 23:57	13°♈08'35	
	-3419 May 03 j 15:07	0°♉	
evening set	-3419 May 11 j 07:57	1°♉41'53	
conjunction	-3419 May 25 j 01:03	4°♉45'13	-0°16'07
minimum elong	-3419 May 25 j 01:05	4°♉45'13	0°16'03
max. Earth dist.	-3419 May 25 j 19:11	4°♉55'19	6.25946 AU
morning rise	-3419 Jun 07 j 16:47	7°♉47'37	
	-3419 Jul 11 j 12:48	15°♉	
retrograde	-3419 Oct 09 j 00:44	25°♉39'13	
asc. node	-3419 Oct 13 j 04:37	25°♉37'29	
opposition	-3419 Dec 07 j 13:48	20°♉40'12	0°09'15
min. Earth dist.	-3419 Dec 07 j 10:07	20°♉41'25	4.31038 AU
direct	-3418 Feb 06 j 11:29	15°♉36'42	
	-3418 May 27 j 16:12	0°♊	
evening set	-3418 Jun 14 j 04:21	3°♊45'29	
conjunction	-3418 Jun 27 j 15:00	6°♊42'14	0°28'28
minimum elong	-3418 Jun 27 j 14:58	6°♊42'13	0°28'35
max. Earth dist.	-3418 Jun 27 j 08:35	6°♊38'43	6.35290 AU
morning rise	-3418 Jul 10 j 22:36	9°♊37'25	
retrograde	-3418 Nov 08 j 21:47	26°♊49'34	
opposition	-3417 Jan 07 j 20:06	21°♊54'20	1°09'14
min. Earth dist.	-3417 Jan 08 j 07:34	21°♊50'35	4.38320 AU
direct	-3417 Mar 10 j 19:22	16°♊50'46	
	-3417 Jun 24 j 04:06	0°♋	
evening set	-3417 Jul 16 j 12:13	4°♋44'27	
max. Earth dist.	-3417 Jul 28 j 09:02	7°♋19'52	6.39886 AU
conjunction	-3417 Jul 29 j 13:33	7°♋35'29	1°03'44
minimum elong	-3417 Jul 29 j 13:30	7°♋35'28	1°03'51
morning rise	-3417 Aug 11 j 11:38	10°♋24'55	
retrograde	-3417 Dec 09 j 17:17	27°♋23'05	
opposition	-3416 Feb 08 j 01:03	22°♋30'35	1°48'45
min. Earth dist.	-3416 Feb 09 j 02:20	22°♋22'27	4.40084 AU
direct	-3416 Apr 10 j 16:17	17°♋28'16	
	-3416 Jul 21 j 21:01	0°♌	
evening set	-3416 Aug 15 j 19:23	5°♌18'42	
max. Earth dist.	-3416 Aug 26 j 19:00	7°♌43'49	6.38549 AU
conjunction	-3416 Aug 28 j 12:44	8°♌06'52	1°20'52
minimum elong	-3416 Aug 28 j 12:43	8°♌06'51	1°20'58
morning rise	-3416 Sep 10 j 03:24	10°♌53'48	
	-3416 Sep 29 j 03:40	15°♌	
retrograde	-3415 Jan 09 j 04:11	28°♌04'15	
opposition	-3415 Mar 10 j 22:30	23°♌12'44	1°58'18
min. Earth dist.	-3415 Mar 12 j 05:34	23°♌02'50	4.35840 AU
direct	-3415 May 12 j 11:39	18°♌12'37	
	-3415 Aug 18 j 01:49	0°♍	
evening set	-3415 Sep 15 j 19:07	6°♍11'45	
max. Earth dist.	-3415 Sep 26 j 14:22	8°♍37'12	6.31663 AU
conjunction	-3415 Sep 28 j 08:22	9°♍00'51	1°15'17
minimum elong	-3415 Sep 28 j 08:24	9°♍00'53	1°15'19
morning rise	-3415 Oct 10 j 20:02	11°♍49'23	
retrograde	-3414 Feb 11 j 03:14	29°♍35'48	
opposition	-3414 Apr 13 j 03:39	24°♍43'31	1°33'47
min. Earth dist.	-3414 Apr 14 j 08:25	24°♍34'22	4.26701 AU
direct	-3414 Jun 14 j 00:09	19°♍46'16	
	-3414 Sep 10 j 06:08	0°♎	
evening set	-3414 Oct 17 j 07:12	8°♎04'04	
conjunction	-3414 Oct 29 j 20:53	10°♎57'42	0°47'03
minimum elong	-3414 Oct 29 j 20:56	10°♎57'44	0°47'03
max. Earth dist.	-3414 Oct 28 j 12:13	10°♎38'51	6.21061 AU
morning rise	-3414 Nov 11 j 10:57	13°♎51'42	
	-3413 Feb 04 j 20:48	0°♏	

retrograde	-3413 Mar 17 j 22:25	2°♏31'27	
	-3413 Apr 28 j 12:25	30°℞♎	
opposition	-3413 May 18 j 00:01	27°♎36'36	0°38'31
min. Earth dist.	-3413 May 18 j 15:49	27°♎31'31	4.15282 AU
direct	-3413 Jul 17 j 14:35	22°♎42'02	
	-3413 Sep 27 j 01:16	0°♏	
evening set	-3413 Nov 19 j 02:53	11°♏24'51	
conjunction	-3413 Dec 01 j 21:13	14°♏25'11	0°02'41
minimum elong	-3413 Dec 01 j 21:15	14°♏25'12	0°02'35
behind sun begin	-3413 Dec 01 j 13:12	14°♏20'29	
behind sun end	-3413 Dec 02 j 05:17	14°♏29'55	
max. Earth dist.	-3413 Dec 01 j 11:32	14°♏19'29	6.09921 AU
	-3413 Dec 04 j 08:11	15°♏	
morning rise	-3413 Dec 14 j 17:17	17°♏26'42	
desc. node	-3413 Dec 23 j 10:28	19°♏28'31	
	-3412 Feb 11 j 12:36	0°♐	
retrograde	-3412 Apr 22 j 12:55	7°♐03'31	
opposition	-3412 Jun 22 j 06:55	2°♐05'02	-0°32'57
min. Earth dist.	-3412 Jun 22 j 04:51	2°♐05'43	4.05328 AU
	-3412 Jul 08 j 18:00	30°℞♏	
direct	-3412 Aug 20 j 13:21	27°♏11'58	
	-3412 Oct 01 j 10:19	0°♐	
evening set	-3412 Dec 22 j 18:52	16°♐19'12	
conjunction	-3411 Jan 04 j 19:42	19°♐25'52	-0°44'10
minimum elong	-3411 Jan 04 j 19:39	19°♐25'50	0°44'17
max. Earth dist.	-3411 Jan 05 j 11:44	19°♐35'26	6.02055 AU
morning rise	-3411 Jan 17 j 23:47	22°♐34'17	
	-3411 Feb 19 j 10:26	0°♑	
retrograde	-3411 May 29 j 22:11	12°♑50'41	
min. Earth dist.	-3411 Jul 28 j 08:52	7°♑55'14	4.00467 AU
opposition	-3411 Jul 29 j 05:37	7°♑48'18	-1°34'39
direct	-3411 Sep 25 j 10:34	2°♑54'38	
evening set	-3410 Jan 28 j 03:15	22°♑15'42	
conjunction	-3410 Feb 10 j 11:37	25°♑26'14	-1°15'15
minimum elong	-3410 Feb 10 j 11:35	25°♑26'13	1°15'21
max. Earth dist.	-3410 Feb 12 j 03:40	25°♑50'06	6.00540 AU
morning rise	-3410 Feb 23 j 23:09	28°♑38'25	
	-3410 Mar 01 j 17:52	0°♒	
	-3410 May 15 j 20:13	15°♒	
retrograde	-3410 Jul 05 j 21:55	18°♒56'38	
	-3410 Aug 26 j 06:31	15°℞♒	
min. Earth dist.	-3410 Sep 02 j 11:42	14°♒01'42	4.02615 AU
opposition	-3410 Sep 03 j 17:03	13°♒51'43	-2°00'23
direct	-3410 Oct 31 j 17:16	8°♒55'29	
	-3409 Jan 02 j 17:44	15°♒	
evening set	-3409 Mar 06 j 06:33	28°♒12'10	
	-3409 Mar 13 j 23:26	0°♓	
conjunction	-3409 Mar 19 j 21:38	1°♓23'08	-1°17'44
minimum elong	-3409 Mar 19 j 21:41	1°♓23'10	1°17'48
max. Earth dist.	-3409 Mar 21 j 22:06	1°♓51'28	6.06032 AU
morning rise	-3409 Apr 02 j 14:59	4°♓35'06	
retrograde	-3409 Aug 10 j 06:30	24°♓14'29	
opposition	-3409 Oct 08 j 18:07	19°♓09'40	-1°40'41
min. Earth dist.	-3409 Oct 07 j 13:36	19°♓19'24	4.10871 AU
direct	-3409 Dec 06 j 07:48	14°♓10'08	
	-3408 Mar 28 j 02:35	0°♈	
evening set	-3408 Apr 10 j 22:31	3°♈06'03	
conjunction	-3408 Apr 24 j 16:59	6°♈14'00	-0°51'59
minimum elong	-3408 Apr 24 j 17:03	6°♈14'02	0°51'58
max. Earth dist.	-3408 Apr 26 j 05:53	6°♈35'02	6.16343 AU
morning rise	-3408 May 08 j 11:54	9°♈21'55	
retrograde	-3408 Sep 11 j 16:04	28°♈01'41	

Attention, astronomical year style is used: The year -3408 in astronomical counting style is the year 3409 BCE in historical counting style.

min. Earth dist.	-3408 Nov 09 j 09:08	23°♈05'08	4.22094 AU
opposition	-3408 Nov 10 j 02:07	22°♈59'23	-0°47'12
direct	-3407 Jan 08 j 20:34	17°♈57'09	
	-3407 Apr 16 j 04:43	0°♉	
evening set	-3407 May 16 j 04:48	6°♉25'48	
conjunction	-3407 May 29 j 21:23	9°♉28'08	-0°09'43
minimum elong	-3407 May 29 j 21:25	9°♉28'09	0°09'38
behind sun begin	-3407 May 29 j 14:38	9°♉24'24	
behind sun end	-3407 May 30 j 04:12	9°♉31'54	
max. Earth dist.	-3407 May 30 j 13:11	9°♉36'55	6.27674 AU
morning rise	-3407 Jun 12 j 12:04	12°♉29'25	
	-3407 Jun 23 j 23:30	15°♉	
asc. node	-3407 Aug 22 j 17:59	26°♉13'03	
	-3407 Oct 01 j 15:36	0°♊	
retrograde	-3407 Oct 13 j 09:11	0°♊13'31	
	-3407 Oct 25 j 01:58	30°℞♉	
opposition	-3407 Dec 12 j 00:13	25°♉15'04	0°18'26
min. Earth dist.	-3407 Dec 11 j 21:59	25°♉15'49	4.32517 AU
direct	-3406 Feb 11 j 00:46	20°♉11'33	
	-3406 May 09 j 18:52	0°♊	
evening set	-3406 Jun 18 j 19:15	8°♊16'59	
conjunction	-3406 Jul 02 j 04:30	11°♊12'45	0°34'14
minimum elong	-3406 Jul 02 j 04:28	11°♊12'43	0°34'21
max. Earth dist.	-3406 Jul 01 j 17:15	11°♊06'34	6.36404 AU
morning rise	-3406 Jul 15 j 10:53	14°♊06'57	
	-3406 Oct 15 j 23:49	0°♋	
retrograde	-3406 Nov 13 j 06:15	1°♋15'15	
	-3406 Dec 11 j 09:57	30°℞♊	
opposition	-3405 Jan 12 j 04:47	26°♊20'30	1°16'16
min. Earth dist.	-3405 Jan 12 j 19:32	26°♊15'41	4.39012 AU
direct	-3405 Mar 15 j 08:08	21°♊17'03	
	-3405 Jun 06 j 00:44	0°♋	
evening set	-3405 Jul 20 j 22:29	9°♋09'22	
conjunction	-3405 Aug 02 j 22:42	11°♋59'50	1°07'22
minimum elong	-3405 Aug 02 j 22:39	11°♋59'48	1°07'29
max. Earth dist.	-3405 Aug 01 j 15:45	11°♋42'53	6.40088 AU
morning rise	-3405 Aug 15 j 19:30	14°♋48'40	
	-3405 Nov 09 j 22:58	0°♌	
retrograde	-3405 Dec 14 j 00:42	1°♌47'03	
	-3404 Jan 17 j 07:25	30°℞♋	
opposition	-3404 Feb 12 j 10:48	26°♋54'47	1°52'02
min. Earth dist.	-3404 Feb 13 j 12:49	26°♋46'25	4.39816 AU
direct	-3404 Apr 15 j 01:33	21°♋52'43	
	-3404 Jul 03 j 12:01	0°♌	
evening set	-3404 Aug 20 j 03:37	9°♌43'54	
max. Earth dist.	-3404 Aug 31 j 01:55	12°♌08'37	6.37824 AU
conjunction	-3404 Sep 01 j 20:07	12°♌31'59	1°21'29
minimum elong	-3404 Sep 01 j 20:06	12°♌31'59	1°21'35
	-3404 Sep 12 j 23:42	15°♌	
morning rise	-3404 Sep 14 j 10:04	15°♌18'55	
	-3404 Dec 03 j 09:33	0°♍	
retrograde	-3403 Jan 13 j 17:37	2°♍33'25	
	-3403 Feb 24 j 15:08	30°℞♌	
opposition	-3403 Mar 15 j 12:19	27°♌41'57	1°56'55
min. Earth dist.	-3403 Mar 16 j 20:27	27°♌31'43	4.34698 AU
direct	-3403 May 17 j 00:55	22°♌42'14	
	-3403 Jul 30 j 00:24	0°♍	
evening set	-3403 Sep 20 j 04:17	10°♍43'53	
max. Earth dist.	-3403 Sep 30 j 22:41	13°♍09'24	6.30196 AU
conjunction	-3403 Oct 02 j 17:18	13°♍33'29	1°12'35
minimum elong	-3403 Oct 02 j 17:20	13°♍33'30	1°12'36
morning rise	-3403 Oct 15 j 05:08	16°♍22'40	
	-3403 Dec 23 j 15:16	0°♎	
retrograde	-3402 Feb 15 j 21:33	4°♎16'17	
	-3402 Apr 13 j 04:48	30°℞♍	
opposition	-3402 Apr 17 j 23:03	29°♍23'42	1°27'38
min. Earth dist.	-3402 Apr 19 j 01:58	29°♍15'07	4.25009 AU
direct	-3402 Jun 18 j 15:21	24°♍26'51	
	-3402 Aug 20 j 05:45	0°♎	
evening set	-3402 Oct 21 j 20:16	12°♎48'29	
max. Earth dist.	-3402 Nov 02 j 05:50	15°♎26'26	6.19324 AU
conjunction	-3402 Nov 03 j 10:34	15°♎43'05	0°41'30
minimum elong	-3402 Nov 03 j 10:36	15°♎43'06	0°41'29
morning rise	-3402 Nov 16 j 01:09	18°♎38'06	
	-3401 Jan 08 j 16:13	0°♏	
retrograde	-3401 Mar 23 j 01:09	7°♏26'25	
opposition	-3401 May 23 j 01:30	2°♏31'10	0°28'52
min. Earth dist.	-3401 May 23 j 15:27	2°♏26'41	4.13640 AU
	-3401 Jun 12 j 15:06	30°℞♎	
direct	-3401 Jul 22 j 12:12	27°♎36'56	
	-3401 Aug 30 j 15:35	0°♏	
desc. node	-3401 Nov 01 j 15:17	11°♏16'32	
	-3401 Nov 17 j 23:08	15°♏	
evening set	-3401 Nov 23 j 22:04	16°♏23'34	
conjunction	-3401 Dec 06 j 17:06	19°♏24'51	-0°04'20
minimum elong	-3401 Dec 06 j 17:06	19°♏24'51	0°04'25
behind sun begin	-3401 Dec 06 j 09:11	19°♏20'12	
behind sun end	-3401 Dec 07 j 01:02	19°♏29'31	
max. Earth dist.	-3401 Dec 06 j 10:08	19°♏20'45	6.08541 AU
morning rise	-3401 Dec 19 j 14:23	22°♏27'28	
	-3400 Jan 21 j 22:02	0°♐	
retrograde	-3400 Apr 27 j 18:14	12°♐11'14	
opposition	-3400 Jun 27 j 12:04	7°♐12'07	-0°42'56
min. Earth dist.	-3400 Jun 27 j 05:57	7°♐14'08	4.04370 AU
direct	-3400 Aug 25 j 13:32	2°♐19'05	
evening set	-3400 Dec 27 j 20:01	21°♐28'32	
conjunction	-3399 Jan 09 j 21:57	24°♐35'50	-0°49'53
minimum elong	-3399 Jan 09 j 21:53	24°♐35'48	0°50'01
max. Earth dist.	-3399 Jan 10 j 19:14	24°♐48'33	6.01606 AU
morning rise	-3399 Jan 23 j 02:55	27°♐44'51	
	-3399 Feb 01 j 16:30	0°♑	
retrograde	-3399 Jun 04 j 04:51	18°♑03'06	
opposition	-3399 Aug 03 j 10:16	13°♑00'12	-1°40'50
min. Earth dist.	-3399 Aug 02 j 12:19	13°♑07'33	4.00595 AU
direct	-3399 Sep 30 j 14:42	8°♑06'14	