Attention, astronomical year style is used: The year -7900 in astronomical counting style is the year 7901 BCE in historical counting style.

direct	-7900 Mar 02 j 06:57	8°♉20'55		
	-7900 May 12 j 01:33	15°♉		
evening set	-7900 Jul 07 j 21:29	26°♉25'40		
max. Earth dist.	-7900 Jul 19 j 03:19	28°♉55'37	6.34685 AU	
conjunction	-7900 Jul 20 j 14:21	29°♉15'09	1°19'00	
minimum elong	-7900 Jul 20 j 14:17	29°♉15'07	1°19'25	
	-7900 Jul 23 j 22:44	0°♊		
morning rise	-7900 Aug 02 j 04:13	2°♊03'17		
retrograde	-7900 Dec 01 j 12:35	19°♊24'54		
opposition	-7899 Jan 31 j 07:26	14°♊33'24	2°11'26	
min. Earth dist.	-7899 Feb 01 j 08:23	14°♊25'28	4.33095 AU	
direct	-7899 Apr 03 j 17:23	9°♊34'14		
evening set	-7899 Aug 08 j 03:55	27°♊39'49		
	-7899 Aug 18 j 12:34	0°♋		
max. Earth dist.	-7899 Aug 19 j 05:51	0°♋09'47	6.30237 AU	
conjunction	-7899 Aug 20 j 14:39	0°♋28'21	1°34'11	
minimum elong	-7899 Aug 20 j 14:39	0°♋28'20	1°34'42	
morning rise	-7899 Sep 02 j 00:08	3°♋16'20		
retrograde	-7898 Jan 03 j 15:59	21°♋08'11		
opposition	-7898 Mar 05 j 20:12	16°♋15'34	2°14'28	
min. Earth dist.	-7898 Mar 06 j 16:50	16°♋09'01	4.26803 AU	
direct	-7898 May 06 j 15:28	11°♋19'24		
evening set	-7898 Sep 08 j 14:08	29°♋32'54		
	-7898 Sep 10 j 13:31	0°♌		
max. Earth dist.	-7898 Sep 20 j 04:48	2°♌12'51	6.22622 AU	
conjunction	-7898 Sep 21 j 01:04	2°♌24'31	1°21'24	
minimum elong	-7898 Sep 21 j 01:07	2°♌24'33	1°21'53	
morning rise	-7898 Oct 03 j 12:30	5°♌16'34		
	-7898 Nov 17 j 19:58	15°♌		
retrograde	-7897 Feb 07 j 03:29	23°♌52'19		
opposition	-7897 Apr 09 j 12:43	18°♌56'50	1°35'34	
min. Earth dist.	-7897 Apr 09 j 20:17	18°♌54'24	4.18334 AU	
	-7897 May 15 j 12:47	15℞♌		
direct	-7897 Jun 09 j 03:38	14°♌03'06		
	-7897 Jul 03 j 16:36	15°♌		
	-7897 Sep 30 j 01:46	0°♍		
evening set	-7897 Oct 10 j 22:56	2°♍30'14		
conjunction	-7897 Oct 23 j 15:35	5°♍27'59	0°42'24	
minimum elong	-7897 Oct 23 j 15:39	5°♍28'01	0°42'39	
max. Earth dist.	-7897 Oct 23 j 14:35	5°♍27'23	6.14118 AU	
morning rise	-7897 Nov 05 j 10:30	8°♍27'03		
retrograde	-7896 Mar 14 j 01:35	27°♍49'05		
opposition	-7896 May 14 j 04:08	22°♍49'45	0°23'06	
min. Earth dist.	-7896 May 13 j 21:25	22°♍51'56	4.10378 AU	
direct	-7896 Jul 12 j 13:55	17°♍56'53		
desc. node	-7896 Sep 01 j 02:24	21°♍55'15		
	-7896 Oct 14 j 10:34	0°♎		
evening set	-7896 Nov 12 j 20:59	6°♎41'01		
conjunction	-7896 Nov 25 j 22:11	9°♎45'25	-0°12'04	
minimum elong	-7896 Nov 25 j 22:10	9°♎45'24	0°12'06	
behind sun begin	-7896 Nov 25 j 16:36	9°♎42'08		
behind sun end	-7896 Nov 26 j 03:45	9°♎48'41		
max. Earth dist.	-7896 Nov 26 j 18:12	9°♎57'13	6.07492 AU	
morning rise	-7896 Dec 09 j 02:46	12°♎51'40		
	-7895 Mar 07 j 15:08	0°♏		
retrograde	-7895 Apr 19 j 14:49	2°♏47'09		
	-7895 Jun 01 j 14:00	30℞♎		
min. Earth dist.	-7895 Jun 18 j 08:50	27°♎50'48	4.05744 AU	
opposition	-7895 Jun 19 j 04:49	27°♎44'07	-0°59'42	
direct	-7895 Aug 16 j 13:58	22°♎50'13		
	-7895 Oct 24 j 16:38	0°♏		
evening set	-7895 Dec 18 j 12:19	11°♏49'54		
conjunction	-7895 Dec 31 j 21:22	14°♏58'39	-1°03'02	
minimum elong	-7895 Dec 31 j 21:17	14°♏58'36	1°03'21	
	-7895 Dec 31 j 23:40	15°♏		
max. Earth dist.	-7894 Jan 02 j 08:03	15°♏19'05	6.05180 AU	
morning rise	-7894 Jan 14 j 09:50	18°♏09'08		
	-7894 Mar 10 j 07:21	0°♐		
retrograde	-7894 May 25 j 22:07	8°♐10'36		
opposition	-7894 Jul 24 j 20:45	3°♐05'31	-2°01'15	
min. Earth dist.	-7894 Jul 23 j 19:59	3°♐13'57	4.06115 AU	
	-7894 Aug 18 j 13:11	30℞♏		
direct	-7894 Sep 20 j 23:53	28°♏08'45		
	-7894 Oct 24 j 11:44	0°♐		
evening set	-7893 Jan 24 j 06:47	17°♐15'37		
conjunction	-7893 Feb 06 j 21:33	20°♐25'20	-1°30'58	
minimum elong	-7893 Feb 06 j 21:31	20°♐25'19	1°31'28	
max. Earth dist.	-7893 Feb 08 j 12:08	20°♐47'46	6.08067 AU	
morning rise	-7893 Feb 20 j 14:15	23°♐35'59		
	-7893 Mar 21 j 03:35	0°♑		
retrograde	-7893 Jun 30 j 04:15	13°♑11'05		
opposition	-7893 Aug 28 j 12:59	8°♑06'36	-2°17'49	
min. Earth dist.	-7893 Aug 27 j 16:06	8°♑13'44	4.11312 AU	
direct	-7893 Oct 26 j 03:44	3°♑06'23		
evening set	-7892 Mar 01 j 00:58	22°♑07'17		
conjunction	-7892 Mar 14 j 18:23	25°♑15'06	-1°25'48	
minimum elong	-7892 Mar 14 j 18:26	25°♑15'08	1°26'19	
max. Earth dist.	-7892 Mar 15 j 19:48	25°♑29'38	6.15067 AU	
morning rise	-7892 Mar 28 j 12:06	28°♑22'52		
	-7892 Apr 04 j 16:25	0°♒		
	-7892 Jun 25 j 20:22	15°♒		
retrograde	-7892 Aug 01 j 20:16	17°♒10'22		
	-7892 Sep 07 j 14:01	15℞♒		
opposition	-7892 Sep 30 j 00:09	12°♒08'35	-1°46'07	
min. Earth dist.	-7892 Sep 29 j 13:38	12°♒12'10	4.19375 AU	
direct	-7892 Nov 28 j 16:22	7°♒05'34		
	-7891 Feb 12 j 11:27	15°♒		
evening set	-7891 Apr 05 j 17:54	25°♒50'16		
conjunction	-7891 Apr 19 j 10:22	28°♒54'10	-0°51'35	
minimum elong	-7891 Apr 19 j 10:26	28°♒54'12	0°51'54	
max. Earth dist.	-7891 Apr 19 j 16:33	28°♒57'38	6.23635 AU	
	-7891 Apr 24 j 07:39	0°♓		
morning rise	-7891 May 03 j 00:47	1°♓56'57		
retrograde	-7891 Sep 03 j 04:52	19°♓55'13		
opposition	-7891 Nov 01 j 11:02	14°♓57'19	-0°41'19	
min. Earth dist.	-7891 Nov 01 j 14:05	14°♓56'18	4.27583 AU	
direct	-7890 Jan 01 j 08:49	9°♓53'10		
evening set	-7890 May 09 j 22:41	28°♓19'05		
	-7890 May 17 j 13:13	0°♈		
conjunction	-7890 May 23 j 09:00	1°♈17'35	-0°01'53	
minimum elong	-7890 May 23 j 09:00	1°♈17'35	0°01'55	
behind sun begin	-7890 May 23 j 00:47	1°♈13'02		
behind sun end	-7890 May 23 j 17:12	1°♈22'07		
max. Earth dist.	-7890 May 22 j 17:21	1°♈08'54	6.30924 AU	
morning rise	-7890 Jun 05 j 16:10	4°♈14'24		
asc. node	-7890 Jun 06 j 12:07	4°♈25'23		
retrograde	-7890 Oct 04 j 17:07	21°♈38'29		
opposition	-7890 Dec 03 j 09:26	16°♈44'06	0°33'58	
min. Earth dist.	-7890 Dec 04 j 00:52	16°♈39'02	4.33408 AU	
direct	-7889 Feb 03 j 08:24	11°♈40'30		

Attention, astronomical year style is used: The year -7889 in astronomical counting style is the year 7890 BCE in historical counting style.

evening set	-7889 Jun 11 j 16:35	29°♈52'01	
	-7889 Jun 12 j 07:08	0°♉	
conjunction	-7889 Jun 24 j 17:33	2°♉44'59	0°47'31
minimum elong	-7889 Jun 24 j 17:30	2°♉44'56	0°47'44
max. Earth dist.	-7889 Jun 23 j 12:38	2°♉28'57	6.34835 AU
morning rise	-7889 Jul 07 j 14:54	5°♉36'12	
	-7889 Aug 22 j 03:36	15°♉	
retrograde	-7889 Nov 05 j 02:53	22°♉48'45	
opposition	-7888 Jan 04 j 09:29	17°♉56'41	1°38'12
min. Earth dist.	-7888 Jan 05 j 08:35	17°♉49'16	4.35253 AU
	-7888 Jan 28 j 22:36	15°℞♉	
direct	-7888 Mar 06 j 21:02	12°♉55'08	
	-7888 Apr 13 j 21:54	15°♉	
	-7888 Jul 07 j 21:08	0°♊	
evening set	-7888 Jul 12 j 09:18	0°♊59'41	
max. Earth dist.	-7888 Jul 23 j 13:02	3°♊28'46	6.34335 AU
conjunction	-7888 Jul 25 j 00:52	3°♊48'46	1°22'43
minimum elong	-7888 Jul 25 j 00:48	3°♊48'44	1°23'10
morning rise	-7888 Aug 06 j 13:57	6°♊36'39	
retrograde	-7888 Dec 06 j 04:52	24°♊01'07	
opposition	-7887 Feb 05 j 00:43	19°♊09'33	2°14'19
min. Earth dist.	-7887 Feb 06 j 01:47	19°♊01'34	4.32557 AU
direct	-7887 Apr 08 j 10:40	14°♊10'47	
	-7887 Aug 02 j 09:52	0°♋	
evening set	-7887 Aug 12 j 14:37	2°♋16'22	
max. Earth dist.	-7887 Aug 23 j 18:48	4°♋47'50	6.29554 AU
conjunction	-7887 Aug 25 j 01:06	5°♋05'00	1°34'05
minimum elong	-7887 Aug 25 j 01:06	5°♋05'00	1°34'37
morning rise	-7887 Sep 06 j 10:20	7°♋53'12	
retrograde	-7886 Jan 08 j 09:17	25°♋49'30	
opposition	-7886 Mar 10 j 16:22	20°♋56'32	2°11'22
min. Earth dist.	-7886 Mar 11 j 10:36	20°♋50'45	4.26021 AU
direct	-7886 May 11 j 08:01	16°♋00'46	
	-7886 Aug 25 j 04:40	0°♌	
evening set	-7886 Sep 13 j 02:09	4°♌14'34	
conjunction	-7886 Sep 25 j 13:26	7°♌06'41	1°17'18
minimum elong	-7886 Sep 25 j 13:30	7°♌06'43	1°17'46
max. Earth dist.	-7886 Sep 24 j 19:29	6°♌56'20	6.21805 AU
morning rise	-7886 Oct 08 j 01:35	9°♌59'23	
	-7886 Oct 30 j 10:07	15°♌	
retrograde	-7885 Feb 12 j 02:49	28°♌40'13	
opposition	-7885 Apr 14 j 11:20	23°♌44'12	1°26'59
min. Earth dist.	-7885 Apr 14 j 17:45	23°♌42'08	4.17511 AU
direct	-7885 Jun 13 j 23:45	18°♌50'35	
	-7885 Sep 12 j 20:58	0°♍	
evening set	-7885 Oct 15 j 13:58	7°♍18'33	
conjunction	-7885 Oct 28 j 07:44	10°♍17'06	0°35'21
minimum elong	-7885 Oct 28 j 07:47	10°♍17'07	0°35'36
max. Earth dist.	-7885 Oct 28 j 09:33	10°♍18'10	6.13373 AU
morning rise	-7885 Nov 10 j 03:54	13°♍17'03	
	-7884 Feb 05 j 07:05	0°♎	
retrograde	-7884 Mar 19 j 01:45	2°♎43'26	
	-7884 May 01 j 01:55	30°℞♍	
opposition	-7884 May 19 j 03:44	27°♍43'31	0°11'32
min. Earth dist.	-7884 May 18 j 18:50	27°♍46'26	4.09775 AU
desc. node	-7884 Jul 12 j 15:14	22°♍52'52	
direct	-7884 Jul 17 j 09:01	22°♍50'37	
	-7884 Sep 24 j 22:03	0°♎	
evening set	-7884 Nov 17 j 16:49	11°♎36'08	
conjunction	-7884 Nov 30 j 19:05	14°♎41'11	-0°19'47
minimum elong	-7884 Nov 30 j 19:03	14°♎41'10	0°19'52
max. Earth dist.	-7884 Dec 01 j 16:32	14°♎53'50	6.07069 AU
morning rise	-7884 Dec 14 j 00:52	17°♎48'08	
	-7883 Feb 08 j 19:11	0°♏	
retrograde	-7883 Apr 24 j 15:19	7°♏45'49	
min. Earth dist.	-7883 Jun 23 j 07:10	2°♏49'14	4.05542 AU
opposition	-7883 Jun 24 j 03:43	2°♏42'21	-1°10'08
	-7883 Jul 15 j 15:10	30°℞♎	
direct	-7883 Aug 21 j 11:43	27°♎48'04	
	-7883 Sep 27 j 01:51	0°♏	
	-7883 Dec 15 j 16:50	15°♏	
evening set	-7883 Dec 23 j 12:45	16°♏49'20	
conjunction	-7882 Jan 05 j 22:52	19°♏58'29	-1°08'36
minimum elong	-7882 Jan 05 j 22:47	19°♏58'26	1°08'57
max. Earth dist.	-7882 Jan 07 j 11:29	20°♏20'01	6.05218 AU
morning rise	-7882 Jan 19 j 12:03	23°♏09'14	
	-7882 Feb 18 j 18:53	0°♐	
retrograde	-7882 May 30 j 21:54	13°♐09'18	
opposition	-7882 Jul 29 j 17:17	8°♐04'13	-2°06'30
min. Earth dist.	-7882 Jul 28 j 17:05	8°♐12'27	4.06414 AU
direct	-7882 Sep 25 j 20:36	3°♐07'00	
evening set	-7881 Jan 29 j 09:41	22°♐14'40	
conjunction	-7881 Feb 12 j 00:55	25°♐24'24	-1°32'14
minimum elong	-7881 Feb 12 j 00:54	25°♐24'23	1°32'45
max. Earth dist.	-7881 Feb 13 j 12:45	25°♐45'12	6.08583 AU
morning rise	-7881 Feb 25 j 18:12	28°♐35'00	
	-7881 Mar 03 j 22:28	0°♑	
retrograde	-7881 Jul 04 j 22:43	18°♑05'33	
min. Earth dist.	-7881 Sep 01 j 10:32	13°♑08'11	4.12001 AU
opposition	-7881 Sep 02 j 06:35	13°♑01'20	-2°16'03
direct	-7881 Oct 30 j 23:34	8°♑00'39	
evening set	-7880 Mar 06 j 02:32	27°♑01'03	
conjunction	-7880 Mar 19 j 20:18	0°♒08'39	-1°22'29
minimum elong	-7880 Mar 19 j 20:22	0°♒08'41	1°22'57
	-7880 Mar 19 j 05:08	0°♒	
max. Earth dist.	-7880 Mar 20 j 20:15	0°♒22'18	6.15905 AU
morning rise	-7880 Apr 02 j 13:47	3°♒15'59	
	-7880 May 29 j 01:00	15°♒	
retrograde	-7880 Aug 06 j 12:33	21°♒57'34	
opposition	-7880 Oct 04 j 15:10	16°♒56'19	-1°38'29
min. Earth dist.	-7880 Oct 04 j 06:39	16°♒59'12	4.20267 AU
	-7880 Oct 19 j 07:37	15°℞♒	
direct	-7880 Dec 03 j 11:01	11°♒53'06	
	-7879 Jan 17 j 23:03	15°♒	
	-7879 Apr 07 j 22:57	0°♓	
evening set	-7879 Apr 10 j 16:05	0°♓36'11	
conjunction	-7879 Apr 24 j 07:59	3°♓39'32	-0°45'05
minimum elong	-7879 Apr 24 j 08:04	3°♓39'34	0°45'23
max. Earth dist.	-7879 Apr 24 j 10:49	3°♓41'07	6.24527 AU
morning rise	-7879 May 07 j 21:48	6°♓41'41	
retrograde	-7879 Sep 07 j 16:22	24°♓34'48	
opposition	-7879 Nov 06 j 00:09	19°♓37'22	-0°30'43
min. Earth dist.	-7879 Nov 06 j 04:26	19°♓35'56	4.28406 AU
direct	-7878 Jan 06 j 01:27	14°♓33'11	
asc. node	-7878 Apr 14 j 23:41	26°♓37'28	
	-7878 May 01 j 02:34	0°♈	
evening set	-7878 May 14 j 16:19	2°♈57'14	
max. Earth dist.	-7878 May 27 j 08:43	5°♈45'40	6.31634 AU
conjunction	-7878 May 28 j 01:32	5°♈54'59	0°05'38
minimum elong	-7878 May 28 j 01:31	5°♈54'58	0°05'38
behind sun begin	-7878 May 27 j 17:40	5°♈50'39	
behind sun end	-7878 May 28 j 09:21	5°♈59'18	
morning rise	-7878 Jun 10 j 07:20	8°♈50'58	

Attention, astronomical year style is used: The year -7878 in astronomical counting style is the year 7879 BCE in historical counting style.

retrograde	-7878 Oct 09 j 04:02	26°♈12'04		
opposition	-7878 Dec 07 j 22:11	21°♈18'06	0°44'15	
min. Earth dist.	-7878 Dec 08 j 14:47	21°♈12'41	4.33942 AU	
direct	-7877 Feb 07 j 23:55	16°♈14'46		
	-7877 May 26 j 18:41	0°♉		
evening set	-7877 Jun 16 j 05:49	4°♉24'33		
max. Earth dist.	-7877 Jun 27 j 22:05	6°♉59'30	6.35114 AU	
conjunction	-7877 Jun 29 j 05:17	7°♉16'47	0°53'39	
minimum elong	-7877 Jun 29 j 05:13	7°♉16'45	0°53'55	
morning rise	-7877 Jul 12 j 01:26	10°♉07'22		
	-7877 Aug 03 j 16:28	15°♉		
retrograde	-7877 Nov 09 j 14:44	27°♉19'53		
opposition	-7876 Jan 08 j 23:23	22°♉27'56	1°45'20	
min. Earth dist.	-7876 Jan 09 j 23:13	22°♉20'18	4.35260 AU	
direct	-7876 Mar 11 j 12:10	17°♉26'42		
	-7876 Jun 21 j 06:27	0°♊		
evening set	-7876 Jul 16 j 19:33	5°♊30'27		
max. Earth dist.	-7876 Jul 27 j 23:49	7°♊59'59	6.34040 AU	
conjunction	-7876 Jul 29 j 10:11	8°♊19'12	1°25'55	
minimum elong	-7876 Jul 29 j 10:08	8°♊19'11	1°26'23	
morning rise	-7876 Aug 10 j 22:12	11°♊06'47		
retrograde	-7876 Dec 10 j 18:06	28°♊34'09		
opposition	-7875 Feb 09 j 16:50	23°♊42'31	2°16'24	
min. Earth dist.	-7875 Feb 10 j 17:13	23°♊34'47	4.31970 AU	
direct	-7875 Apr 13 j 01:11	18°♊44'13		
	-7875 Jul 16 j 11:08	0°♋		
evening set	-7875 Aug 17 j 00:24	6°♋50'11		
max. Earth dist.	-7875 Aug 28 j 04:04	9°♋21'45	6.28700 AU	
conjunction	-7875 Aug 29 j 10:27	9°♋39'00	1°33'26	
minimum elong	-7875 Aug 29 j 10:28	9°♋39'00	1°33'58	
morning rise	-7875 Sep 10 j 19:49	12°♋27'34		
	-7875 Dec 26 j 09:42	0°♌		
retrograde	-7874 Jan 13 j 04:47	0°♌29'18		
	-7874 Jan 31 j 00:07	30°℞♋		
opposition	-7874 Mar 15 j 12:05	25°♋35'59	2°07'32	
min. Earth dist.	-7874 Mar 16 j 05:33	25°♋30'26	4.24935 AU	
direct	-7874 May 16 j 01:05	20°♋40'32		
	-7874 Aug 07 j 07:17	0°♌		
evening set	-7874 Sep 17 j 13:47	8°♌55'58		
max. Earth dist.	-7874 Sep 29 j 10:47	11°♌40'12	6.20593 AU	
conjunction	-7874 Sep 30 j 01:51	11°♌48'54	1°12'44	
minimum elong	-7874 Sep 30 j 01:55	11°♌48'56	1°13'10	
morning rise	-7874 Oct 12 j 14:47	14°♌42'30		
	-7874 Oct 13 j 21:17	15°♌		
	-7874 Dec 30 j 02:27	0°♍		
retrograde	-7873 Feb 17 j 02:25	3°♍30'05		
	-7873 Apr 08 j 01:40	30°℞♌		
opposition	-7873 Apr 19 j 10:36	28°♌33'36	1°17'48	
min. Earth dist.	-7873 Apr 19 j 14:55	28°♌32'12	4.16250 AU	
direct	-7873 Jun 18 j 17:55	23°♌40'13		
	-7873 Aug 23 j 14:07	0°♍		
evening set	-7873 Oct 20 j 06:43	12°♍10'53		
conjunction	-7873 Nov 02 j 01:31	15°♍10'25	0°27'59	
minimum elong	-7873 Nov 02 j 01:33	15°♍10'27	0°28'11	
max. Earth dist.	-7873 Nov 02 j 05:02	15°♍12'29	6.12174 AU	
morning rise	-7873 Nov 14 j 23:05	18°♍11'31		
	-7872 Jan 09 j 03:23	0°♎		
retrograde	-7872 Mar 24 j 05:05	7°♎44'10		
desc. node	-7872 May 22 j 14:21	2°♎56'32		
opposition	-7872 May 24 j 05:26	2°♎43'41	-0°00'21	
min. Earth dist.	-7872 May 23 j 18:46	2°♎47'12	4.08732 AU	
	-7872 Jun 15 j 07:51	30°℞♍		
direct	-7872 Jul 22 j 06:53	27°♍50'41		
	-7872 Aug 27 j 19:17	0°♎		
evening set	-7872 Nov 22 j 16:05	16°♎39'31		
conjunction	-7872 Dec 05 j 19:43	19°♎45'29	-0°27'34	
minimum elong	-7872 Dec 05 j 19:41	19°♎45'27	0°27'41	
max. Earth dist.	-7872 Dec 06 j 20:45	20°♎00'15	6.06285 AU	
morning rise	-7872 Dec 19 j 02:40	22°♎53'18		
	-7871 Jan 19 j 12:30	0°♏		
retrograde	-7871 Apr 29 j 20:56	12°♏54'11		
min. Earth dist.	-7871 Jun 28 j 08:39	7°♏57'33	4.05122 AU	
opposition	-7871 Jun 29 j 05:53	7°♏50'25	-1°20'22	
direct	-7871 Aug 26 j 11:56	2°♏55'52		
	-7871 Nov 27 j 20:42	15°♏		
evening set	-7871 Dec 28 j 17:53	21°♏59'41		
conjunction	-7870 Jan 11 j 04:45	25°♏09'12	-1°13'50	
minimum elong	-7870 Jan 11 j 04:40	25°♏09'09	1°14'14	
max. Earth dist.	-7870 Jan 12 j 17:08	25°♏30'34	6.05174 AU	
morning rise	-7870 Jan 24 j 18:55	28°♏20'18		
	-7870 Jan 31 j 22:49	0°♐		
retrograde	-7870 Jun 04 j 23:38	18°♐18'54		
opposition	-7870 Aug 03 j 17:32	13°♐13'47	-2°10'59	
min. Earth dist.	-7870 Aug 02 j 16:34	13°♐22'19	4.06794 AU	
direct	-7870 Sep 30 j 21:11	8°♐16'07		
evening set	-7869 Feb 03 j 16:37	27°♐24'08		
	-7869 Feb 14 j 22:16	0°♑		
conjunction	-7869 Feb 17 j 08:31	0°♑33'45	-1°32'53	
minimum elong	-7869 Feb 17 j 08:31	0°♑33'45	1°33'24	
max. Earth dist.	-7869 Feb 18 j 21:01	0°♑54'54	6.09381 AU	
morning rise	-7869 Mar 03 j 01:54	3°♑44'03		
retrograde	-7869 Jul 09 j 21:09	23°♑08'29		
min. Earth dist.	-7869 Sep 06 j 08:36	18°♑10'56	4.13161 AU	
opposition	-7869 Sep 07 j 03:11	18°♑04'35	-2°13'17	
direct	-7869 Nov 04 j 23:52	13°♑03'33		
	-7868 Mar 02 j 06:38	0°♒		
evening set	-7868 Mar 11 j 06:46	2°♒01'18		
conjunction	-7868 Mar 25 j 00:27	5°♒08'16	-1°18'33	
minimum elong	-7868 Mar 25 j 00:32	5°♒08'19	1°19'00	
max. Earth dist.	-7868 Mar 25 j 22:32	5°♒20'49	6.17357 AU	
morning rise	-7868 Apr 07 j 17:41	8°♒14'51		
	-7868 May 08 j 16:32	15°♒		
retrograde	-7868 Aug 11 j 02:26	26°♒47'50		
opposition	-7868 Oct 09 j 06:57	21°♒47'03	-1°30'08	
min. Earth dist.	-7868 Oct 08 j 23:01	21°♒49'44	4.21885 AU	
direct	-7868 Dec 08 j 06:48	16°♒43'35		
	-7867 Mar 21 j 19:10	0°♓		
evening set	-7867 Apr 15 j 13:55	5°♓22'09		
conjunction	-7867 Apr 29 j 05:01	8°♓24'29	-0°38'22	
minimum elong	-7867 Apr 29 j 05:05	8°♓24'31	0°38'37	
max. Earth dist.	-7867 Apr 29 j 05:19	8°♓24'39	6.26207 AU	
morning rise	-7867 May 12 j 17:49	11°♓25'30		
retrograde	-7867 Sep 12 j 03:07	29°♓10'51		
opposition	-7867 Nov 10 j 12:05	24°♓13'56	-0°20'08	
min. Earth dist.	-7867 Nov 10 j 18:45	24°♓11'43	4.29989 AU	
direct	-7866 Jan 10 j 19:06	19°♓09'45		
asc. node	-7866 Feb 23 j 01:18	21°♓53'17		
	-7866 Apr 13 j 17:52	0°♈		
evening set	-7866 May 19 j 06:49	7°♈29'03		
conjunction	-7866 Jun 01 j 14:41	10°♈25'40	0°12'45	
minimum elong	-7866 Jun 01 j 14:40	10°♈25'40	0°12'46	
behind sun begin	-7866 Jun 01 j 09:38	10°♈22'53		
behind sun end	-7866 Jun 01 j 19:42	10°♈28'26		

Attention, astronomical year style is used: The year -7866 in astronomical counting style is the year 7867 BCE in historical counting style.

max. Earth dist.	-7866 May 31 j 19:16	10°♈14'56	6.32980 AU
morning rise	-7866 Jun 14 j 19:05	13°♈20'32	
	-7866 Sep 23 j 20:52	0°♉	
retrograde	-7866 Oct 13 j 10:04	0°♉36'56	
	-7866 Nov 02 j 00:04	30°℞♈	
opposition	-7866 Dec 12 j 07:35	25°♈43'16	0°53'50
min. Earth dist.	-7866 Dec 13 j 01:22	25°♈37'29	4.34971 AU
direct	-7865 Feb 12 j 12:08	20°♈40'04	
	-7865 May 09 j 07:08	0°♉	
evening set	-7865 Jun 20 j 14:35	8°♉46'36	
max. Earth dist.	-7865 Jul 02 j 04:28	11°♉20'08	6.35730 AU
conjunction	-7865 Jul 03 j 12:38	11°♉37'57	0°59'12
minimum elong	-7865 Jul 03 j 12:33	11°♉37'55	0°59'30
morning rise	-7865 Jul 16 j 07:18	14°♉27'41	
	-7865 Jul 18 j 18:05	15°♉	
	-7865 Oct 12 j 03:15	0°♊	
retrograde	-7865 Nov 13 j 21:39	1°♊39'23	
	-7865 Dec 16 j 21:30	30°℞♉	
opposition	-7864 Jan 13 j 08:38	26°♉47'38	1°51'31
min. Earth dist.	-7864 Jan 14 j 09:58	26°♉39'32	4.35425 AU
direct	-7864 Mar 15 j 22:54	21°♉46'42	
	-7864 Jun 03 j 12:19	0°♊	
evening set	-7864 Jul 21 j 01:04	9°♊49'20	
max. Earth dist.	-7864 Aug 01 j 02:03	12°♊17'17	6.33705 AU
conjunction	-7864 Aug 02 j 14:39	12°♊37'47	1°28'30
minimum elong	-7864 Aug 02 j 14:36	12°♊37'45	1°28'58
morning rise	-7864 Aug 15 j 02:04	15°♊25'12	
	-7864 Oct 31 j 19:15	0°♋	
retrograde	-7864 Dec 15 j 04:38	2°♋55'54	
	-7863 Jan 29 j 12:29	30°℞♊	
opposition	-7863 Feb 14 j 04:41	28°♊04'08	2°17'38
min. Earth dist.	-7863 Feb 15 j 05:19	27°♊56'19	4.31164 AU
direct	-7863 Apr 17 j 11:09	23°♊06'07	
	-7863 Jun 27 j 19:18	0°♋	
evening set	-7863 Aug 21 j 05:50	11°♋13'26	
max. Earth dist.	-7863 Sep 01 j 11:17	13°♋46'23	6.27487 AU
conjunction	-7863 Sep 02 j 15:57	14°♋02'43	1°32'15
minimum elong	-7863 Sep 02 j 15:59	14°♋02'44	1°32'47
morning rise	-7863 Sep 15 j 01:19	16°♋51'49	
	-7863 Nov 19 j 14:31	0°♌	
retrograde	-7862 Jan 17 j 20:56	5°♌00'22	
opposition	-7862 Mar 20 j 04:24	0°♌06'47	2°03'04
min. Earth dist.	-7862 Mar 20 j 21:12	0°♌01'27	4.23389 AU
	-7862 Mar 21 j 01:46	30°℞♋	
direct	-7862 May 20 j 13:16	25°♋11'41	
	-7862 Jul 17 j 03:14	0°♌	
evening set	-7862 Sep 21 j 23:21	13°♌30'38	
	-7862 Sep 28 j 10:05	15°♌	
conjunction	-7862 Oct 04 j 12:02	16°♌24'37	1°07'50
minimum elong	-7862 Oct 04 j 12:06	16°♌24'39	1°08'14
max. Earth dist.	-7862 Oct 03 j 21:21	16°♌16'06	6.18850 AU
morning rise	-7862 Oct 17 j 02:09	19°♌19'27	
	-7862 Dec 05 j 23:08	0°♍	
retrograde	-7861 Feb 22 j 01:18	8°♍15'49	
opposition	-7861 Apr 24 j 08:08	3°♍18'48	1°08'17
min. Earth dist.	-7861 Apr 24 j 10:28	3°♍18'03	4.14433 AU
	-7861 May 22 j 15:16	30°℞♌	
direct	-7861 Jun 23 j 10:16	28°♌25'34	
	-7861 Jul 24 j 22:03	0°♍	
evening set	-7861 Oct 24 j 23:08	17°♍01'13	
conjunction	-7861 Nov 06 j 19:25	20°♍02'07	0°20'30
minimum elong	-7861 Nov 06 j 19:27	20°♍02'08	0°20'40

max. Earth dist.	-7861 Nov 07 j 03:06	20°♍06'37	6.10475 AU
morning rise	-7861 Nov 19 j 18:21	23°♍04'36	
	-7861 Dec 20 j 10:12	0°♎	
retrograde	-7860 Mar 29 j 10:13	12°♎45'10	
desc. node	-7860 Apr 02 j 00:07	12°♎43'57	
opposition	-7860 May 29 j 07:21	7°♎44'13	-0°12'12
min. Earth dist.	-7860 May 28 j 19:08	7°♎48'15	4.07315 AU
direct	-7860 Jul 27 j 04:50	2°♎51'11	
evening set	-7860 Nov 27 j 16:51	21°♎44'45	
conjunction	-7860 Dec 10 j 21:35	24°♎51'41	-0°35'09
minimum elong	-7860 Dec 10 j 21:32	24°♎51'39	0°35'18
max. Earth dist.	-7860 Dec 12 j 00:18	25°♎07'29	6.05266 AU
morning rise	-7860 Dec 24 j 06:00	28°♎00'33	
	-7859 Jan 01 j 19:01	0°♏	
	-7859 Mar 20 j 22:29	15°♏	
retrograde	-7859 May 05 j 01:48	18°♏05'07	
	-7859 Jun 19 j 05:33	15°℞♏	
min. Earth dist.	-7859 Jul 03 j 09:21	13°♏08'55	4.04627 AU
opposition	-7859 Jul 04 j 08:56	13°♏00'58	-1°30'01
direct	-7859 Aug 31 j 12:38	8°♏06'03	
	-7859 Nov 07 j 02:54	15°♏	
evening set	-7858 Jan 03 j 00:33	27°♏12'31	
	-7858 Jan 14 j 22:22	0°♐	
conjunction	-7858 Jan 16 j 12:29	0°♐22'23	-1°18'30
minimum elong	-7858 Jan 16 j 12:25	0°♐22'21	1°18'55
max. Earth dist.	-7858 Jan 18 j 03:44	0°♐45'26	6.05229 AU
morning rise	-7858 Jan 30 j 03:12	3°♐33'42	
retrograde	-7858 Jun 10 j 03:26	23°♐29'46	
opposition	-7858 Aug 08 j 18:18	18°♐24'36	-2°14'24
min. Earth dist.	-7858 Aug 07 j 18:00	18°♐32'53	4.07378 AU
direct	-7858 Oct 05 j 23:51	13°♐26'25	
	-7857 Jan 28 j 18:28	0°♑	
evening set	-7857 Feb 09 j 00:10	2°♑33'42	
conjunction	-7857 Feb 22 j 16:29	5°♑43'04	-1°32'48
minimum elong	-7857 Feb 22 j 16:30	5°♑43'05	1°33'20
max. Earth dist.	-7857 Feb 24 j 04:20	6°♑03'47	6.10397 AU
morning rise	-7857 Mar 08 j 10:09	8°♑52'58	
retrograde	-7857 Jul 14 j 16:44	28°♑10'04	
opposition	-7857 Sep 11 j 23:13	23°♑06'28	-2°09'31
min. Earth dist.	-7857 Sep 11 j 04:48	23°♑12'46	4.14469 AU
direct	-7857 Nov 09 j 22:25	18°♑05'00	
	-7856 Feb 13 j 07:39	0°♒	
evening set	-7856 Mar 16 j 10:10	6°♒59'38	
conjunction	-7856 Mar 30 j 03:41	10°♒05'56	-1°14'03
minimum elong	-7856 Mar 30 j 03:46	10°♒05'59	1°14'30
max. Earth dist.	-7856 Mar 30 j 22:28	10°♒16'34	6.18829 AU
morning rise	-7856 Apr 12 j 20:34	13°♒11'43	
	-7856 Apr 20 j 22:26	15°♒	
	-7856 Jul 15 j 02:01	0°♓	
retrograde	-7856 Aug 15 j 18:27	1°♓36'35	
	-7856 Sep 16 j 04:50	30°℞♒	
opposition	-7856 Oct 13 j 22:38	26°♒36'21	-1°21'13
min. Earth dist.	-7856 Oct 13 j 17:33	26°♒38'04	4.23336 AU
direct	-7856 Dec 13 j 04:28	21°♒32'40	
	-7855 Mar 02 j 14:04	0°♓	
evening set	-7855 Apr 20 j 11:12	10°♓07'33	
conjunction	-7855 May 04 j 01:38	13°♓09'03	-0°31'23
minimum elong	-7855 May 04 j 01:41	13°♓09'04	0°31'35
max. Earth dist.	-7855 May 03 j 23:32	13°♓07'53	6.27528 AU
morning rise	-7855 May 17 j 13:20	16°♓09'06	
	-7855 Jul 28 j 12:16	0°♈	
retrograde	-7855 Sep 16 j 13:07	3°♈48'29	

Attention, astronomical year style is used: The year -7855 in astronomical counting style is the year 7856 BCE in historical counting style.

	-7855 Nov 06 j 09:48	30°℞♓	
opposition	-7855 Nov 15 j 00:38	28°♓52'06	-0°09'21
min. Earth dist.	-7855 Nov 15 j 08:24	28°♓49'32	4.31075 AU
asc. node	-7854 Jan 02 j 10:39	24°♓03'53	
direct	-7854 Jan 15 j 10:42	23°♓47'59	
	-7854 Mar 24 j 03:03	0°♈	
evening set	-7854 May 23 j 22:37	12°♈04'37	
max. Earth dist.	-7854 Jun 05 j 06:35	14°♈47'54	6.33754 AU
conjunction	-7854 Jun 06 j 05:05	15°♈00'21	0°19'56
minimum elong	-7854 Jun 06 j 05:03	15°♈00'20	0°20'00
morning rise	-7854 Jun 19 j 08:10	17°♈54'21	
	-7854 Aug 19 j 15:13	0°♉	
retrograde	-7854 Oct 17 j 21:23	5°♉08'21	
opposition	-7854 Dec 16 j 19:52	0°♉15'07	1°03'24
min. Earth dist.	-7854 Dec 17 j 16:00	0°♉08'35	4.35384 AU
	-7854 Dec 18 j 18:29	30°℞♈	
direct	-7853 Feb 17 j 03:42	25°♈12'10	
	-7853 Apr 17 j 07:35	0°♉	
evening set	-7853 Jun 25 j 02:12	13°♉17'31	
	-7853 Jul 02 j 19:46	15°♉	
conjunction	-7853 Jul 07 j 22:58	16°♉08'19	1°04'38
minimum elong	-7853 Jul 07 j 22:54	16°♉08'16	1°04'58
max. Earth dist.	-7853 Jul 06 j 13:07	15°♉49'32	6.35727 AU
morning rise	-7853 Jul 20 j 16:26	18°♉57'31	
	-7853 Sep 13 j 11:24	0°♊	
retrograde	-7853 Nov 18 j 09:26	6°♊10'43	
opposition	-7852 Jan 17 j 22:50	1°♊19'04	1°57'25
min. Earth dist.	-7852 Jan 19 j 00:03	1°♊11'00	4.35039 AU
	-7852 Jan 28 j 09:17	30°℞♉	
direct	-7852 Mar 20 j 11:59	26°♉18'30	
	-7852 May 10 j 20:07	0°♊	
evening set	-7852 Jul 25 j 11:10	14°♊21'38	
conjunction	-7852 Aug 06 j 23:57	17°♊10'00	1°30'42
minimum elong	-7852 Aug 06 j 23:55	17°♊09'58	1°31'11
max. Earth dist.	-7852 Aug 05 j 12:25	16°♊50'02	6.32960 AU
morning rise	-7852 Aug 19 j 10:37	19°♊57'25	
	-7852 Oct 06 j 20:13	0°♋	
retrograde	-7852 Dec 19 j 21:58	7°♋32'52	
opposition	-7851 Feb 18 j 22:44	2°♋41'01	2°18'08
min. Earth dist.	-7851 Feb 19 j 23:18	2°♋33'14	4.30114 AU
	-7851 Mar 13 j 07:42	30°℞♊	
direct	-7851 Apr 22 j 03:08	27°♊43'28	
	-7851 May 31 j 12:03	0°♋	
evening set	-7851 Aug 25 j 17:10	15°♋52'34	
max. Earth dist.	-7851 Sep 05 j 22:49	18°♋26'08	6.26221 AU
conjunction	-7851 Sep 07 j 03:13	18°♋42'21	1°30'27
minimum elong	-7851 Sep 07 j 03:15	18°♋42'23	1°30'58
morning rise	-7851 Sep 19 j 13:03	21°♋32'09	
	-7851 Oct 28 j 18:36	0°♌	
retrograde	-7850 Jan 22 j 19:19	9°♌47'38	
opposition	-7850 Mar 25 j 03:05	4°♌53'37	1°57'32
min. Earth dist.	-7850 Mar 25 j 17:25	4°♌49'03	4.22005 AU
	-7850 May 21 j 20:31	30°℞♋	
direct	-7850 May 25 j 07:04	29°♋58'52	
	-7850 May 28 j 17:44	0°♌	
	-7850 Sep 11 j 22:20	15°♌	
evening set	-7850 Sep 26 j 14:13	18°♌20'23	
conjunction	-7850 Oct 09 j 03:56	21°♌15'20	1°02'13
minimum elong	-7850 Oct 09 j 04:00	21°♌15'23	1°02'36
max. Earth dist.	-7850 Oct 08 j 17:42	21°♌09'23	6.17510 AU
morning rise	-7850 Oct 21 j 19:00	24°♌11'13	
	-7850 Nov 16 j 15:26	0°♍	
retrograde	-7849 Feb 27 j 05:24	13°♍14'38	
opposition	-7849 Apr 29 j 10:53	8°♍17'06	0°57'49
min. Earth dist.	-7849 Apr 29 j 11:19	8°♍16'58	4.13252 AU
direct	-7849 Jun 28 j 09:03	3°♍24'04	
evening set	-7849 Oct 29 j 19:47	22°♍02'05	
conjunction	-7849 Nov 11 j 17:05	25°♍03'52	0°12'39
minimum elong	-7849 Nov 11 j 17:07	25°♍03'53	0°12'44
behind sun begin	-7849 Nov 11 j 11:57	25°♍00'51	
behind sun end	-7849 Nov 11 j 22:16	25°♍06'54	
max. Earth dist.	-7849 Nov 12 j 03:00	25°♍09'42	6.09576 AU
morning rise	-7849 Nov 24 j 17:33	28°♍07'24	
	-7849 Dec 02 j 19:23	0°♎	
desc. node	-7848 Feb 10 j 02:49	13°♎41'19	
retrograde	-7848 Apr 03 j 14:21	17°♎52'21	
opposition	-7848 Jun 03 j 11:06	12°♎50'49	-0°24'12
min. Earth dist.	-7848 Jun 02 j 19:41	12°♎55'55	4.06807 AU
direct	-7848 Aug 01 j 04:53	7°♎57'37	
evening set	-7848 Dec 02 j 18:52	26°♎52'34	
conjunction	-7848 Dec 16 j 00:48	29°♎59'59	-0°42'30
minimum elong	-7848 Dec 16 j 00:44	29°♎59'58	0°42'43
	-7848 Dec 16 j 00:48	0°♏	
max. Earth dist.	-7848 Dec 17 j 07:17	0°♏18'00	6.05188 AU
morning rise	-7848 Dec 29 j 10:06	3°♏09'16	
	-7847 Feb 22 j 03:41	15°♏	
retrograde	-7847 May 10 j 06:22	23°♏13'30	
min. Earth dist.	-7847 Jul 08 j 11:04	18°♏16'57	4.05000 AU
opposition	-7847 Jul 09 j 10:37	18°♏09'00	-1°38'51
	-7847 Aug 03 j 20:47	15°℞♏	
direct	-7847 Sep 05 j 14:37	13°♏13'38	
	-7847 Oct 08 j 06:13	15°♏	
	-7847 Dec 29 j 03:48	0°♐	
evening set	-7846 Jan 08 j 05:18	2°♐19'40	
conjunction	-7846 Jan 21 j 17:52	5°♐29'28	-1°22'29
minimum elong	-7846 Jan 21 j 17:47	5°♐29'25	1°22'56
max. Earth dist.	-7846 Jan 23 j 09:22	5°♐52'35	6.05980 AU
morning rise	-7846 Feb 04 j 09:13	8°♐40'37	
retrograde	-7846 Jun 15 j 00:41	28°♐31'26	
opposition	-7846 Aug 13 j 15:16	23°♐26'19	-2°16'41
min. Earth dist.	-7846 Aug 12 j 14:43	23°♐34'42	4.08449 AU
direct	-7846 Oct 10 j 21:49	18°♐27'37	
	-7845 Jan 11 j 00:11	0°♑	
evening set	-7845 Feb 14 j 03:28	7°♑32'44	
conjunction	-7845 Feb 27 j 20:03	10°♑41'38	-1°32'02
minimum elong	-7845 Feb 27 j 20:04	10°♑41'39	1°32'33
max. Earth dist.	-7845 Mar 01 j 05:03	11°♑00'39	6.11669 AU
morning rise	-7845 Mar 13 j 13:47	13°♑50'57	
	-7845 Jun 05 j 10:35	0°♒	
retrograde	-7845 Jul 19 j 09:42	3°♒00'26	
	-7845 Sep 01 j 04:09	30°℞♑	
opposition	-7845 Sep 16 j 15:10	27°♑57'12	-2°04'59
min. Earth dist.	-7845 Sep 15 j 23:27	28°♑02'34	4.15797 AU
direct	-7845 Nov 14 j 19:35	22°♑55'17	
	-7844 Jan 24 j 08:50	0°♒	
evening set	-7844 Mar 21 j 09:09	11°♒46'59	
conjunction	-7844 Apr 04 j 02:39	14°♒52'43	-1°09'13
minimum elong	-7844 Apr 04 j 02:44	14°♒52'46	1°09'39
	-7844 Apr 04 j 15:32	15°♒	
max. Earth dist.	-7844 Apr 04 j 19:16	15°♒02'06	6.20116 AU
morning rise	-7844 Apr 17 j 18:57	17°♒57'44	
	-7844 Jun 15 j 17:17	0°♓	
retrograde	-7844 Aug 20 j 05:35	6°♓15'34	
opposition	-7844 Oct 18 j 10:36	1°♓15'54	-1°12'07

Attention, astronomical year style is used: The year -7844 in astronomical counting style is the year 7845 BCE in historical counting style.

min. Earth dist.	-7844 Oct 18 j 06:58	1°♓17'08	4.24465 AU	
	-7844 Oct 27 j 22:38	30°℞♒		
direct	-7844 Dec 17 j 19:37	26°♒12'04		
	-7843 Feb 06 j 21:20	0°♓		
evening set	-7843 Apr 25 j 05:18	14°♓44'38		
conjunction	-7843 May 08 j 18:46	17°♓45'25	-0°24'24	
minimum elong	-7843 May 08 j 18:48	17°♓45'26	0°24'34	
max. Earth dist.	-7843 May 08 j 11:54	17°♓41'36	6.28417 AU	
morning rise	-7843 May 22 j 05:39	20°♓44'45		
	-7843 Jul 05 j 16:27	0°♈		
retrograde	-7843 Sep 21 j 00:03	8°♈20'03		
asc. node	-7843 Nov 13 j 03:26	4°♈14'10		
opposition	-7843 Nov 19 j 11:33	3°♈24'12	0°01'14	
min. Earth dist.	-7843 Nov 19 j 22:19	3°♈20'39	4.31660 AU	
	-7843 Dec 17 j 21:20	30°℞♓		
direct	-7842 Jan 20 j 01:55	28°♓20'08		
	-7842 Feb 22 j 14:19	0°♈		
evening set	-7842 May 28 j 12:25	16°♈35'44		
conjunction	-7842 Jun 10 j 17:46	19°♈30'54	0°26'53	
minimum elong	-7842 Jun 10 j 17:44	19°♈30'53	0°27'00	
max. Earth dist.	-7842 Jun 09 j 17:59	19°♈17'44	6.33990 AU	
morning rise	-7842 Jun 23 j 19:27	22°♈24'15		
	-7842 Jul 29 j 21:47	0°♉		
retrograde	-7842 Oct 22 j 06:58	9°♉37'50		
opposition	-7842 Dec 21 j 07:49	4°♉44'56	1°12'29	
min. Earth dist.	-7842 Dec 22 j 04:10	4°♉38'21	4.35292 AU	
	-7841 Feb 07 j 17:48	30°℞♈		
direct	-7841 Feb 21 j 15:40	29°♈42'19		
	-7841 Mar 07 j 16:32	0°♉		
	-7841 Jun 16 j 17:21	15°♉		
evening set	-7841 Jun 29 j 13:56	17°♉48'04		
max. Earth dist.	-7841 Jul 10 j 22:24	20°♉19'03	6.35306 AU	
conjunction	-7841 Jul 12 j 09:19	20°♉38'28	1°09'38	
minimum elong	-7841 Jul 12 j 09:14	20°♉38'25	1°09'59	
morning rise	-7841 Jul 25 j 01:41	23°♉27'22		
	-7841 Aug 24 j 17:40	0°♊		
retrograde	-7841 Nov 23 j 00:26	10°♊43'24		
opposition	-7840 Jan 22 j 14:07	5°♊51'54	2°02'37	
min. Earth dist.	-7840 Jan 23 j 16:19	5°♊43'32	4.34339 AU	
direct	-7840 Mar 25 j 03:23	0°♊51'47		
evening set	-7840 Jul 29 j 22:14	18°♊56'11		
max. Earth dist.	-7840 Aug 09 j 23:22	21°♊24'55	6.32026 AU	
conjunction	-7840 Aug 11 j 10:22	21°♊44'37	1°32'20	
minimum elong	-7840 Aug 11 j 10:20	21°♊44'36	1°32'51	
morning rise	-7840 Aug 23 j 20:36	24°♊32'14		
	-7840 Sep 17 j 21:55	0°♋		
retrograde	-7840 Dec 24 j 15:48	12°♋12'57		
opposition	-7839 Feb 23 j 18:20	7°♋20'53	2°17'44	
min. Earth dist.	-7839 Feb 24 j 16:40	7°♋13'48	4.29030 AU	
direct	-7839 Apr 26 j 18:41	2°♋23'49		
evening set	-7839 Aug 30 j 05:31	20°♋34'30		
conjunction	-7839 Sep 11 j 15:46	23°♋24'49	1°28'02	
minimum elong	-7839 Sep 11 j 15:48	23°♋24'51	1°28'32	
max. Earth dist.	-7839 Sep 10 j 14:55	23°♋10'35	6.25084 AU	
morning rise	-7839 Sep 24 j 01:52	26°♋15'15		
	-7839 Oct 10 j 18:46	0°♌		
retrograde	-7838 Jan 27 j 19:29	14°♌37'03		
opposition	-7838 Mar 30 j 02:54	9°♌42'38	1°51'06	
min. Earth dist.	-7838 Mar 30 j 15:56	9°♌38'28	4.20873 AU	
direct	-7838 May 30 j 03:48	4°♌48'15		
	-7838 Aug 25 j 01:42	15°♌		
evening set	-7838 Oct 01 j 05:56	23°♌11'17		
conjunction	-7838 Oct 13 j 20:25	26°♌07'03	0°56'09	
minimum elong	-7838 Oct 13 j 20:29	26°♌07'06	0°56'30	
max. Earth dist.	-7838 Oct 13 j 12:17	26°♌02'19	6.16483 AU	
morning rise	-7838 Oct 26 j 12:46	29°♌03'56		
	-7838 Oct 30 j 13:57	0°♍		
retrograde	-7837 Mar 04 j 06:38	18°♍12'59		
opposition	-7837 May 04 j 12:50	13°♍14'52	0°46'55	
min. Earth dist.	-7837 May 04 j 09:57	13°♍15'49	4.12398 AU	
direct	-7837 Jul 03 j 06:19	8°♍21'57		
evening set	-7837 Nov 03 j 16:08	27°♍01'30		
conjunction	-7837 Nov 16 j 14:44	0°♎04'06	0°04'44	
minimum elong	-7837 Nov 16 j 14:45	0°♎04'07	0°04'48	
behind sun begin	-7837 Nov 16 j 06:49	29°♍59'28		
behind sun end	-7837 Nov 16 j 22:40	0°♎08'45		
	-7837 Nov 16 j 07:44	0°♎		
max. Earth dist.	-7837 Nov 17 j 04:44	0°♎12'20	6.08973 AU	
morning rise	-7837 Nov 29 j 16:22	3°♎08'26		
desc. node	-7837 Dec 20 j 02:33	7°♎49'37		
retrograde	-7836 Apr 08 j 19:34	22°♎56'44		
opposition	-7836 Jun 08 j 13:22	17°♎54'43	-0°35'55	
min. Earth dist.	-7836 Jun 07 j 21:16	18°♎00'03	4.06500 AU	
direct	-7836 Aug 06 j 05:31	13°♎01'19		
	-7836 Nov 29 j 10:37	0°♏		
evening set	-7836 Dec 07 j 19:59	1°♏57'25		
conjunction	-7836 Dec 21 j 02:53	5°♏05'16	-0°49'29	
minimum elong	-7836 Dec 21 j 02:48	5°♏05'13	0°49'45	
max. Earth dist.	-7836 Dec 22 j 10:50	5°♏24'07	6.05194 AU	
morning rise	-7835 Jan 03 j 13:17	8°♏14'57		
	-7835 Feb 02 j 07:22	15°♏		
retrograde	-7835 May 15 j 07:19	28°♏18'32		
min. Earth dist.	-7835 Jul 13 j 09:35	23°♏22'13	4.05353 AU	
opposition	-7835 Jul 14 j 10:21	23°♏13'50	-1°46'52	
direct	-7835 Sep 10 j 12:33	18°♏18'06		
	-7835 Dec 11 j 10:01	0°♐		
evening set	-7834 Jan 13 j 09:10	7°♐24'18		
conjunction	-7834 Jan 26 j 22:23	10°♐34'04	-1°25'50	
minimum elong	-7834 Jan 26 j 22:19	10°♐34'02	1°26'19	
max. Earth dist.	-7834 Jan 28 j 12:47	10°♐56'31	6.06626 AU	
morning rise	-7834 Feb 09 j 14:15	13°♐45'05		
	-7834 May 02 j 22:31	0°♑		
retrograde	-7834 Jun 19 j 22:10	3°♑31'18		
	-7834 Aug 06 j 20:22	30°℞♐		
opposition	-7834 Aug 18 j 11:01	28°♐26'18	-2°18'01	
min. Earth dist.	-7834 Aug 17 j 12:02	28°♐34'09	4.09323 AU	
direct	-7834 Oct 15 j 20:44	23°♐27'06		
	-7834 Dec 21 j 07:58	0°♑		
evening set	-7833 Feb 19 j 06:23	12°♑30'59		
conjunction	-7833 Mar 04 j 23:28	15°♑39'37	-1°30'39	
minimum elong	-7833 Mar 04 j 23:30	15°♑39'39	1°31'09	
max. Earth dist.	-7833 Mar 06 j 07:32	15°♑58'02	6.12709 AU	
morning rise	-7833 Mar 18 j 17:09	18°♑48'28		
	-7833 May 10 j 16:01	0°♒		
retrograde	-7833 Jul 24 j 02:26	7°♒51'07		
opposition	-7833 Sep 21 j 06:49	2°♒48'21	-1°59'39	
min. Earth dist.	-7833 Sep 20 j 16:21	2°♒53'17	4.16896 AU	
	-7833 Oct 13 j 04:44	30°℞♑		
direct	-7833 Nov 19 j 14:14	27°♑46'05		
	-7833 Dec 27 j 10:13	0°♒		
	-7832 Mar 19 j 04:37	15°♒		
evening set	-7832 Mar 26 j 08:26	16°♒35'43		
conjunction	-7832 Apr 09 j 01:35	19°♒40'54	-1°03'55	
minimum elong	-7832 Apr 09 j 01:40	19°♒40'57	1°04'18	

Attention, astronomical year style is used: The year -7832 in astronomical counting style is the year 7833 BCE in historical counting style.

max. Earth dist.	-7832 Apr 09 j 13:24	19°♒47'34	6.21189 AU
morning rise	-7832 Apr 22 j 17:36	22°♒45'19	
	-7832 May 26 j 08:30	0°♓	
retrograde	-7832 Aug 24 j 18:35	10°♓57'01	
opposition	-7832 Oct 22 j 23:37	5°♓57'51	-1°02'30
min. Earth dist.	-7832 Oct 22 j 22:36	5°♓58'12	4.25404 AU
direct	-7832 Dec 22 j 13:18	0°♓53'49	
evening set	-7831 Apr 29 j 23:56	19°♓24'31	
conjunction	-7831 May 13 j 12:42	22°♓24'41	-0°17'12
minimum elong	-7831 May 13 j 12:44	22°♓24'42	0°17'20
max. Earth dist.	-7831 May 13 j 04:19	22°♓20'01	6.29170 AU
morning rise	-7831 May 26 j 22:21	25°♓23'15	
	-7831 Jun 17 j 05:35	0°♈	
asc. node	-7831 Sep 22 j 23:07	12°♈54'17	
retrograde	-7831 Sep 25 j 10:21	12°♈54'53	
opposition	-7831 Nov 23 j 23:32	7°♈59'32	0°11'56
min. Earth dist.	-7831 Nov 24 j 11:12	7°♈55'41	4.32179 AU
direct	-7830 Jan 24 j 15:43	2°♈55'36	
evening set	-7830 Jun 02 j 03:23	21°♈10'12	
max. Earth dist.	-7830 Jun 14 j 04:14	23°♈49'43	6.34232 AU
conjunction	-7830 Jun 15 j 07:15	24°♈04'40	0°33'47
minimum elong	-7830 Jun 15 j 07:12	24°♈04'39	0°33'57
morning rise	-7830 Jun 28 j 07:46	26°♈57'24	
	-7830 Jul 12 j 07:24	0°♉	
retrograde	-7830 Oct 26 j 19:52	14°♉10'31	
opposition	-7830 Dec 25 j 21:17	9°♉17'55	1°21'18
min. Earth dist.	-7830 Dec 26 j 19:20	9°♉10'47	4.35272 AU
direct	-7829 Feb 26 j 07:18	4°♉15'34	
	-7829 May 30 j 07:00	15°♉	
evening set	-7829 Jul 04 j 01:58	22°♉21'06	
max. Earth dist.	-7829 Jul 15 j 10:04	24°♉52'03	6.35024 AU
conjunction	-7829 Jul 16 j 20:16	25°♉11'05	1°14'18
minimum elong	-7829 Jul 16 j 20:12	25°♉11'03	1°14'41
morning rise	-7829 Jul 29 j 11:25	27°♉59'37	
	-7829 Aug 07 j 14:31	0°♊	
retrograde	-7829 Nov 27 j 13:34	15°♊18'00	
opposition	-7828 Jan 27 j 06:18	10°♊26'30	2°07'07
min. Earth dist.	-7828 Jan 28 j 07:06	10°♊18'35	4.33852 AU
direct	-7828 Mar 29 j 17:28	5°♊26'50	
evening set	-7828 Aug 03 j 09:17	23°♊31'25	
max. Earth dist.	-7828 Aug 14 j 10:52	26°♊00'43	6.31369 AU
conjunction	-7828 Aug 15 j 20:38	26°♊19'46	1°33'26
minimum elong	-7828 Aug 15 j 20:37	26°♊19'46	1°33'57
morning rise	-7828 Aug 28 j 06:28	29°♊07'27	
	-7828 Sep 01 j 04:28	0°♋	
retrograde	-7828 Dec 29 j 10:56	16°♋52'29	
opposition	-7827 Feb 28 j 13:58	12°♋00'10	2°16'28
min. Earth dist.	-7827 Mar 01 j 11:55	11°♋53'12	4.28238 AU
direct	-7827 May 01 j 13:10	7°♋03'29	
evening set	-7827 Sep 03 j 17:09	25°♋14'33	
max. Earth dist.	-7827 Sep 15 j 04:47	27°♋52'12	6.24229 AU
conjunction	-7827 Sep 16 j 03:38	28°♋05'18	1°25'04
minimum elong	-7827 Sep 16 j 03:41	28°♋05'20	1°25'34
	-7827 Sep 24 j 11:43	0°♌	
morning rise	-7827 Sep 28 j 14:16	0°♌56'18	
	-7827 Dec 08 j 10:23	15°♌	
retrograde	-7826 Feb 01 j 15:43	19°♌23'16	
	-7826 Mar 30 j 21:53	15°℞♌	
opposition	-7826 Apr 04 j 01:11	14°♌28'20	1°43'59
min. Earth dist.	-7826 Apr 04 j 11:10	14°♌25'08	4.20006 AU
direct	-7826 Jun 03 j 21:27	9°♌34'14	
	-7826 Aug 03 j 23:19	15°♌	
evening set	-7826 Oct 05 j 20:11	27°♌57'59	
	-7826 Oct 14 j 14:10	0°♍	
conjunction	-7826 Oct 18 j 11:35	0°♍54'30	0°49'47
minimum elong	-7826 Oct 18 j 11:39	0°♍54'32	0°50'06
max. Earth dist.	-7826 Oct 18 j 06:55	0°♍51'47	6.15684 AU
morning rise	-7826 Oct 31 j 04:57	3°♍52'12	
retrograde	-7825 Mar 09 j 08:34	23°♍06'08	
opposition	-7825 May 09 j 12:56	18°♍07'27	0°35'49
min. Earth dist.	-7825 May 09 j 09:00	18°♍08'43	4.11703 AU
direct	-7825 Jul 08 j 03:54	13°♍14'31	
desc. node	-7825 Oct 29 j 19:40	29°♍40'57	
	-7825 Oct 31 j 04:41	0°♎	
evening set	-7825 Nov 08 j 10:44	1°♎55'15	
conjunction	-7825 Nov 21 j 10:26	4°♎58'34	-0°03'13
minimum elong	-7825 Nov 21 j 10:26	4°♎58'34	0°03'12
behind sun begin	-7825 Nov 21 j 02:19	4°♎53'49	
behind sun end	-7825 Nov 21 j 18:32	5°♎03'19	
max. Earth dist.	-7825 Nov 22 j 02:33	5°♎08'03	6.08444 AU
morning rise	-7825 Dec 04 j 13:23	8°♎03'42	
retrograde	-7824 Apr 13 j 20:15	27°♎54'52	
opposition	-7824 Jun 13 j 12:54	22°♎52'24	-0°47'11
min. Earth dist.	-7824 Jun 12 j 18:54	22°♎58'23	4.06207 AU
direct	-7824 Aug 11 j 01:15	17°♎58'48	
	-7824 Nov 12 j 05:59	0°♏	
evening set	-7824 Dec 12 j 19:32	6°♏56'23	
conjunction	-7824 Dec 26 j 03:21	10°♏04'39	-0°55'59
minimum elong	-7824 Dec 26 j 03:17	10°♏04'36	0°56'16
max. Earth dist.	-7824 Dec 27 j 11:51	10°♏23'49	6.05137 AU
morning rise	-7823 Jan 08 j 14:39	13°♏14'43	
	-7823 Jan 16 j 03:45	15°♏	
	-7823 Apr 03 j 15:41	0°♐	
retrograde	-7823 May 20 j 06:47	3°♐17'57	
	-7823 Jul 05 j 21:20	30°℞♏	
min. Earth dist.	-7823 Jul 18 j 07:32	28°♏21'18	4.05549 AU
opposition	-7823 Jul 19 j 07:49	28°♏13'04	-1°53'57
direct	-7823 Sep 15 j 10:38	23°♏16'52	
	-7823 Nov 21 j 04:28	0°♐	
evening set	-7822 Jan 18 j 11:31	12°♐24'03	
conjunction	-7822 Feb 01 j 01:35	15°♐33'56	-1°28'30
minimum elong	-7822 Feb 01 j 01:32	15°♐33'55	1°29'00
max. Earth dist.	-7822 Feb 02 j 16:35	15°♐56'42	6.07057 AU
morning rise	-7822 Feb 14 j 17:51	18°♐44'56	
	-7822 Apr 08 j 00:19	0°♑	
retrograde	-7822 Jun 24 j 19:14	8°♑27'17	
min. Earth dist.	-7822 Aug 22 j 07:26	3°♑30'06	4.09963 AU
opposition	-7822 Aug 23 j 05:32	3°♑22'33	-2°18'20
	-7822 Sep 19 j 11:38	30°℞♐	
direct	-7822 Oct 20 j 16:43	28°♐22'56	
	-7822 Nov 21 j 04:15	0°♑	
evening set	-7821 Feb 24 j 08:35	17°♑26'33	
conjunction	-7821 Mar 10 j 01:48	20°♑34'59	-1°28'36
minimum elong	-7821 Mar 10 j 01:51	20°♑35'00	1°29'07
max. Earth dist.	-7821 Mar 11 j 06:07	20°♑51'13	6.13498 AU
morning rise	-7821 Mar 23 j 19:43	23°♑43'32	
	-7821 Apr 21 j 05:16	0°♒	
retrograde	-7821 Jul 28 j 18:18	12°♒40'29	
opposition	-7821 Sep 25 j 22:17	7°♒38'09	-1°53'31
min. Earth dist.	-7821 Sep 25 j 09:30	7°♒42'30	4.17759 AU
direct	-7821 Nov 24 j 09:27	2°♒35'33	
	-7820 Mar 01 j 20:12	15°♒	
evening set	-7820 Mar 31 j 07:35	21°♒23'56	

Attention, astronomical year style is used: The year -7820 in astronomical counting style is the year 7821 BCE in historical counting style.

conjunction	-7820 Apr 14 j 00:36	24°♒28'41	-0°58'10
minimum elong	-7820 Apr 14 j 00:41	24°♒28'44	0°58'31
max. Earth dist.	-7820 Apr 14 j 10:56	24°♒34'30	6.22096 AU
morning rise	-7820 Apr 27 j 15:54	27°♒32'29	
	-7820 May 08 j 18:22	0°♓	
retrograde	-7820 Aug 29 j 07:51	15°♓38'38	
opposition	-7820 Oct 27 j 12:54	10°♓40'04	-0°52'27
min. Earth dist.	-7820 Oct 27 j 13:22	10°♓39'54	4.26268 AU
direct	-7820 Dec 27 j 05:39	5°♓36'01	
evening set	-7819 May 04 j 18:52	24°♓04'57	
conjunction	-7819 May 18 j 06:32	27°♓04'24	-0°09'51
minimum elong	-7819 May 18 j 06:32	27°♓04'24	0°09'57
behind sun begin	-7819 May 17 j 23:56	27°♓00'45	
behind sun end	-7819 May 18 j 13:09	27°♓08'04	
max. Earth dist.	-7819 May 17 j 18:30	26°♓57'43	6.29928 AU
morning rise	-7819 May 31 j 15:12	0°♈02'14	
	-7819 May 31 j 11:10	0°♈	
asc. node	-7819 Aug 02 j 01:21	12°♈23'27	
retrograde	-7819 Sep 29 j 21:53	17°♈30'19	
opposition	-7819 Nov 28 j 12:16	12°♈35'22	0°22'35
min. Earth dist.	-7819 Nov 29 j 01:37	12°♈30'59	4.32782 AU
direct	-7818 Jan 29 j 07:47	7°♈31'34	
evening set	-7818 Jun 06 j 17:43	25°♈44'31	
conjunction	-7818 Jun 19 j 20:20	28°♈38'16	0°40'28
minimum elong	-7818 Jun 19 j 20:17	28°♈38'14	0°40'40
max. Earth dist.	-7818 Jun 18 j 17:27	28°♈23'23	6.34627 AU
	-7818 Jun 25 j 23:52	0°♉	
morning rise	-7818 Jul 02 j 19:17	1°♉30'14	
	-7818 Sep 11 j 11:39	15°♉	
retrograde	-7818 Oct 31 j 06:12	18°♉42'29	
	-7818 Dec 21 j 07:27	15°℞♉	
opposition	-7818 Dec 30 j 10:35	13°♉50'08	1°29'36
min. Earth dist.	-7818 Dec 31 j 08:44	13°♉42'59	4.35430 AU
direct	-7817 Mar 02 j 21:11	8°♉48'09	
	-7817 May 09 j 23:56	15°♉	
evening set	-7817 Jul 08 j 13:14	26°♉52'39	
max. Earth dist.	-7817 Jul 19 j 18:23	29°♉22'11	6.34891 AU
conjunction	-7817 Jul 21 j 06:07	29°♉42'06	1°18'30
minimum elong	-7817 Jul 21 j 06:03	29°♉42'04	1°18'56
	-7817 Jul 22 j 14:13	0°♊	
morning rise	-7817 Aug 02 j 20:20	2°♊30'15	
retrograde	-7817 Dec 02 j 04:00	19°♊50'40	
opposition	-7816 Jan 31 j 21:44	14°♊59'08	2°10'51
min. Earth dist.	-7816 Feb 01 j 23:22	14°♊50'59	4.33425 AU
direct	-7816 Apr 03 j 09:24	9°♊59'50	
evening set	-7816 Aug 07 j 18:58	28°♊04'27	
	-7816 Aug 16 j 08:20	0°♋	
max. Earth dist.	-7816 Aug 18 j 21:48	0°♋34'43	6.30661 AU
conjunction	-7816 Aug 20 j 05:56	0°♋52'52	1°33'58
minimum elong	-7816 Aug 20 j 05:56	0°♋52'52	1°34'29
morning rise	-7816 Sep 01 j 15:22	3°♋40'41	
retrograde	-7815 Jan 03 j 02:48	21°♋30'22	
opposition	-7815 Mar 05 j 08:33	16°♋37'47	2°14'24
min. Earth dist.	-7815 Mar 06 j 04:44	16°♋31'23	4.27289 AU
direct	-7815 May 06 j 04:09	11°♋41'31	
evening set	-7815 Sep 08 j 04:07	29°♋53'44	
	-7815 Sep 08 j 15:05	0°♌	
conjunction	-7815 Sep 20 j 14:50	2°♌45'05	1°21'37
minimum elong	-7815 Sep 20 j 14:54	2°♌45'07	1°22'05
max. Earth dist.	-7815 Sep 19 j 17:38	2°♌32'53	6.23112 AU
morning rise	-7815 Oct 03 j 02:07	5°♌36'51	
	-7815 Nov 15 j 16:55	15°♌	
retrograde	-7814 Feb 06 j 15:04	24°♌10'15	
opposition	-7814 Apr 08 j 23:35	19°♌14'51	1°36'13
min. Earth dist.	-7814 Apr 09 j 08:45	19°♌11'55	4.18767 AU
	-7814 May 19 j 08:04	15°℞♌	
direct	-7814 Jun 08 j 17:01	14°♌20'56	
	-7814 Jun 28 j 22:40	15°♌	
	-7814 Sep 28 j 08:21	0°♍	
evening set	-7814 Oct 10 j 11:10	2°♍47'00	
conjunction	-7814 Oct 23 j 03:39	5°♍44'30	0°43'04
minimum elong	-7814 Oct 23 j 03:43	5°♍44'32	0°43'20
max. Earth dist.	-7814 Oct 23 j 01:37	5°♍43'19	6.14451 AU
morning rise	-7814 Nov 04 j 22:19	8°♍43'19	
retrograde	-7813 Mar 14 j 10:35	28°♍03'39	
opposition	-7813 May 14 j 13:56	23°♍04'25	0°24'22
min. Earth dist.	-7813 May 14 j 07:37	23°♍06'28	4.10578 AU
direct	-7813 Jul 12 j 23:40	18°♍11'30	
desc. node	-7813 Sep 07 j 23:55	23°♍09'19	
	-7813 Oct 13 j 19:03	0°♎	
evening set	-7813 Nov 13 j 08:03	6°♎55'19	
conjunction	-7813 Nov 26 j 08:56	9°♎59'35	-0°11'08
minimum elong	-7813 Nov 26 j 08:55	9°♎59'34	0°11'10
behind sun begin	-7813 Nov 26 j 02:50	9°♎56'00	
behind sun end	-7813 Nov 26 j 14:59	10°♎03'08	
max. Earth dist.	-7813 Nov 27 j 03:04	10°♎10'17	6.07522 AU
morning rise	-7813 Dec 09 j 13:14	13°♎05'42	
	-7812 Mar 05 j 04:40	0°♏	
retrograde	-7812 Apr 19 j 00:40	3°♏01'09	
	-7812 Jun 02 j 22:48	30°℞♎	
opposition	-7812 Jun 18 j 15:06	27°♎58'12	-0°58'22
min. Earth dist.	-7812 Jun 17 j 20:03	28°♎04'33	4.05574 AU
direct	-7812 Aug 16 j 01:21	23°♎04'17	
	-7812 Oct 22 j 20:12	0°♏	
evening set	-7812 Dec 17 j 22:49	12°♏04'42	
	-7812 Dec 30 j 08:50	15°♏	
conjunction	-7812 Dec 31 j 07:50	15°♏13'33	-1°02'15
minimum elong	-7812 Dec 31 j 07:45	15°♏13'30	1°02'33
max. Earth dist.	-7811 Jan 01 j 19:12	15°♏34'24	6.04851 AU
morning rise	-7811 Jan 13 j 20:02	18°♏24'06	
	-7811 Mar 08 j 08:17	0°♐	
retrograde	-7811 May 25 j 11:09	8°♐27'19	
min. Earth dist.	-7811 Jul 23 j 08:18	3°♐30'41	4.05673 AU
opposition	-7811 Jul 24 j 08:51	3°♐22'20	-2°00'25
	-7811 Aug 20 j 19:45	30°℞♏	
direct	-7811 Sep 20 j 11:10	28°♏25'44	
	-7811 Oct 21 j 04:41	0°♐	
evening set	-7810 Jan 23 j 18:26	17°♐34'03	
conjunction	-7810 Feb 06 j 08:59	20°♐43'58	-1°30'36
minimum elong	-7810 Feb 06 j 08:57	20°♐43'57	1°31'06
max. Earth dist.	-7810 Feb 07 j 22:30	21°♐05'48	6.07568 AU
morning rise	-7810 Feb 20 j 01:53	23°♐54'55	
	-7810 Mar 19 j 03:14	0°♑	
retrograde	-7810 Jun 29 j 17:45	13°♑32'31	
min. Earth dist.	-7810 Aug 27 j 05:17	8°♑35'30	4.10843 AU
opposition	-7810 Aug 28 j 03:14	8°♑27'59	-2°17'40
direct	-7810 Oct 25 j 16:49	3°♑27'55	
evening set	-7809 Mar 01 j 14:08	22°♑30'05	
conjunction	-7809 Mar 15 j 07:44	25°♑38'07	-1°25'53
minimum elong	-7809 Mar 15 j 07:47	25°♑38'09	1°26'23
max. Earth dist.	-7809 Mar 16 j 11:41	25°♑54'06	6.14728 AU
morning rise	-7809 Mar 29 j 01:23	28°♑46'02	
	-7809 Apr 03 j 12:22	0°♒	
	-7809 Jun 22 j 22:50	15°♒	

Attention, astronomical year style is used: The year -7809 in astronomical counting style is the year 7810 BCE in historical counting style.

retrograde	-7809 Aug 02 j 12:41	17°♒35'05	
	-7809 Sep 11 j 20:08	15°℞♒	
opposition	-7809 Sep 30 j 15:55	12°♒33'15	-1°46'31
min. Earth dist.	-7809 Sep 30 j 04:37	12°♒37'05	4.19223 AU
direct	-7809 Nov 29 j 07:22	7°♒30'24	
	-7808 Feb 10 j 18:55	15°♒	
evening set	-7808 Apr 05 j 07:51	26°♒14'51	
conjunction	-7808 Apr 19 j 00:18	29°♒18'44	-0°52'01
minimum elong	-7808 Apr 19 j 00:22	29°♒18'47	0°52'20
max. Earth dist.	-7808 Apr 19 j 07:41	29°♒22'53	6.23699 AU
	-7808 Apr 22 j 01:52	0°♓	
morning rise	-7808 May 02 j 14:57	2°♓21'33	
retrograde	-7808 Sep 02 j 18:52	20°♓19'39	
opposition	-7808 Nov 01 j 02:22	15°♓21'33	-0°42'09
min. Earth dist.	-7808 Nov 01 j 03:59	15°♓21'00	4.27871 AU
direct	-7808 Dec 31 j 23:39	10°♓17'25	
evening set	-7807 May 09 j 12:04	28°♓41'39	
	-7807 May 15 j 10:08	0°♈	
conjunction	-7807 May 22 j 22:32	1°♈39'58	-0°02'37
minimum elong	-7807 May 22 j 22:34	1°♈39'59	0°02'38
behind sun begin	-7807 May 22 j 14:23	1°♈35'28	
behind sun end	-7807 May 23 j 06:45	1°♈44'30	
max. Earth dist.	-7807 May 22 j 09:00	1°♈32'29	6.31426 AU
morning rise	-7807 Jun 05 j 05:47	4°♈36'38	
asc. node	-7807 Jun 11 j 16:53	6°♈01'36	
retrograde	-7807 Oct 04 j 05:51	21°♈58'55	
opposition	-7807 Dec 02 j 22:43	17°♈04'26	0°32'47
min. Earth dist.	-7807 Dec 03 j 13:42	16°♈59'31	4.34052 AU
direct	-7806 Feb 02 j 22:12	12°♈00'49	
	-7806 Jun 10 j 10:39	0°♉	
evening set	-7806 Jun 11 j 04:33	0°♉09'49	
max. Earth dist.	-7806 Jun 22 j 23:30	2°♉45'55	6.35543 AU
conjunction	-7806 Jun 24 j 05:35	3°♉02'33	0°46'41
minimum elong	-7806 Jun 24 j 05:31	3°♉02'31	0°46'54
morning rise	-7806 Jul 07 j 03:13	5°♉53'34	
	-7806 Aug 20 j 04:29	15°♉	
retrograde	-7806 Nov 04 j 13:21	23°♉03'40	
opposition	-7805 Jan 03 j 20:06	18°♉11'29	1°36'59
min. Earth dist.	-7805 Jan 04 j 19:45	18°♉03'53	4.35948 AU
	-7805 Jan 30 j 19:56	15°℞♉	
direct	-7805 Mar 07 j 08:47	13°♉09'45	
	-7805 Apr 12 j 00:24	15°♉	
	-7805 Jul 07 j 08:18	0°♊	
evening set	-7805 Jul 12 j 19:27	1°♊12'11	
max. Earth dist.	-7805 Jul 23 j 23:55	3°♊41'23	6.34948 AU
conjunction	-7805 Jul 25 j 11:20	4°♊01'08	1°22'04
minimum elong	-7805 Jul 25 j 11:16	4°♊01'06	1°22'31
morning rise	-7805 Aug 07 j 00:23	6°♊48'48	
retrograde	-7805 Dec 06 j 12:03	24°♊11'05	
opposition	-7804 Feb 05 j 08:41	19°♊19'33	2°13'38
min. Earth dist.	-7804 Feb 06 j 10:28	19°♊11'22	4.33020 AU
direct	-7804 Apr 07 j 19:12	14°♊20'39	
	-7804 Aug 01 j 02:27	0°♋	
evening set	-7804 Aug 12 j 00:03	2°♋25'28	
max. Earth dist.	-7804 Aug 23 j 01:05	4°♋55'07	6.29804 AU
conjunction	-7804 Aug 24 j 10:27	5°♋14'02	1°33'57
minimum elong	-7804 Aug 24 j 10:28	5°♋14'02	1°34'28
morning rise	-7804 Sep 05 j 19:53	8°♋02'10	
retrograde	-7803 Jan 07 j 17:29	25°♋57'28	
opposition	-7803 Mar 09 j 23:12	21°♋04'37	2°11'37
min. Earth dist.	-7803 Mar 10 j 19:28	20°♋58'11	4.26023 AU
direct	-7803 May 10 j 16:18	16°♋08'39	
	-7803 Aug 23 j 21:53	0°♌	
evening set	-7803 Sep 12 j 11:31	4°♌23'32	
conjunction	-7803 Sep 24 j 22:57	7°♌15'47	1°17'46
minimum elong	-7803 Sep 24 j 23:01	7°♌15'49	1°18'13
max. Earth dist.	-7803 Sep 24 j 03:44	7°♌04'42	6.21560 AU
morning rise	-7803 Oct 07 j 10:56	10°♌08'32	
	-7803 Oct 29 j 02:18	15°♌	
retrograde	-7802 Feb 11 j 11:09	28°♌50'07	
opposition	-7802 Apr 13 j 19:03	23°♌54'19	1°28'04
min. Earth dist.	-7802 Apr 14 j 02:27	23°♌51'57	4.17042 AU
direct	-7802 Jun 13 j 06:55	19°♌00'41	
	-7802 Sep 11 j 08:49	0°♍	
evening set	-7802 Oct 15 j 00:41	7°♍31'13	
conjunction	-7802 Oct 27 j 18:16	10°♍30'00	0°36'12
minimum elong	-7802 Oct 27 j 18:19	10°♍30'01	0°36'27
max. Earth dist.	-7802 Oct 27 j 17:49	10°♍29'44	6.12712 AU
morning rise	-7802 Nov 09 j 14:24	13°♍30'13	
	-7801 Feb 02 j 16:52	0°♎	
retrograde	-7801 Mar 19 j 13:15	2°♎59'11	
	-7801 May 03 j 18:23	30°℞♍	
opposition	-7801 May 19 j 14:15	27°♍59'24	0°12'53
min. Earth dist.	-7801 May 19 j 06:00	28°♍02'06	4.08968 AU
direct	-7801 Jul 17 j 19:15	23°♍06'29	
desc. node	-7801 Jul 19 j 10:42	23°♍06'45	
	-7801 Sep 23 j 20:17	0°♎	
evening set	-7801 Nov 18 j 05:33	11°♎55'23	
conjunction	-7801 Dec 01 j 07:54	15°♎00'51	-0°18'56
minimum elong	-7801 Dec 01 j 07:52	15°♎00'49	0°19'01
max. Earth dist.	-7801 Dec 02 j 06:17	15°♎14'04	6.06206 AU
morning rise	-7801 Dec 14 j 13:31	18°♎08'09	
	-7800 Feb 07 j 09:15	0°♏	
retrograde	-7800 Apr 24 j 06:53	8°♏09'09	
opposition	-7800 Jun 23 j 17:50	3°♏05'50	-1°09'05
min. Earth dist.	-7800 Jun 22 j 21:22	3°♏12'41	4.04714 AU
	-7800 Jul 18 j 21:00	30°℞♎	
direct	-7800 Aug 21 j 01:09	28°♎11'43	
	-7800 Sep 23 j 01:11	0°♏	
	-7800 Dec 13 j 10:27	15°♏	
evening set	-7800 Dec 23 j 03:53	17°♏15'49	
conjunction	-7799 Jan 05 j 13:46	20°♏25'14	-1°08'01
minimum elong	-7799 Jan 05 j 13:41	20°♏25'11	1°08'22
max. Earth dist.	-7799 Jan 07 j 02:00	20°♏46'36	6.04491 AU
morning rise	-7799 Jan 19 j 03:04	23°♏36'21	
	-7799 Feb 16 j 06:36	0°♐	
retrograde	-7799 May 30 j 14:13	13°♐39'15	
min. Earth dist.	-7799 Jul 28 j 08:28	8°♐42'54	4.05867 AU
opposition	-7799 Jul 29 j 10:20	8°♐34'05	-2°05'56
direct	-7799 Sep 25 j 12:43	3°♐36'58	
evening set	-7798 Jan 29 j 02:05	22°♐45'54	
conjunction	-7798 Feb 11 j 17:25	25°♐55'47	-1°31'58
minimum elong	-7798 Feb 11 j 17:24	25°♐55'46	1°32'29
max. Earth dist.	-7798 Feb 13 j 08:17	26°♐18'23	6.08274 AU
morning rise	-7798 Feb 25 j 10:31	29°♐06'29	
	-7798 Mar 01 j 07:40	0°♑	
retrograde	-7798 Jul 04 j 17:30	18°♑38'10	
min. Earth dist.	-7798 Sep 01 j 04:30	13°♑40'49	4.11945 AU
opposition	-7798 Sep 02 j 01:01	13°♑33'48	-2°15'54
direct	-7798 Oct 30 j 18:02	8°♑33'15	
evening set	-7797 Mar 06 j 19:08	27°♑32'51	
	-7797 Mar 17 j 13:59	0°♒	
conjunction	-7797 Mar 20 j 12:45	0°♒40'19	-1°22'33

Attention, astronomical year style is used: The year -7797 in astronomical counting style is the year 7798 BCE in historical counting style.

minimum elong	-7797 Mar 20 j 12:49	0°♒40'22	1°23'01
max. Earth dist.	-7797 Mar 21 j 14:30	0°♒54'59	6.16090 AU
morning rise	-7797 Apr 03 j 06:17	3°♒47'34	
	-7797 May 26 j 20:14	15°♒	
retrograde	-7797 Aug 07 j 03:54	22°♒28'21	
opposition	-7797 Oct 05 j 08:45	17°♒26'56	-1°38'48
min. Earth dist.	-7797 Oct 04 j 22:23	17°♒30'27	4.20677 AU
	-7797 Oct 24 j 06:35	15°℞♒	
direct	-7797 Dec 04 j 03:50	12°♒23'46	
	-7796 Jan 14 j 13:41	15°♒	
	-7796 Apr 05 j 10:41	0°♓	
evening set	-7796 Apr 10 j 07:14	1°♓04'31	
conjunction	-7796 Apr 23 j 23:03	4°♓07'34	-0°45'31
minimum elong	-7796 Apr 23 j 23:07	4°♓07'36	0°45'49
max. Earth dist.	-7796 Apr 24 j 03:13	4°♓09'54	6.25130 AU
morning rise	-7796 May 07 j 12:50	7°♓09'26	
retrograde	-7796 Sep 07 j 07:42	25°♓00'33	
opposition	-7796 Nov 05 j 15:41	20°♓03'01	-0°31'35
min. Earth dist.	-7796 Nov 05 j 20:06	20°♓01'32	4.29129 AU
direct	-7795 Jan 05 j 18:25	14°♓58'50	
asc. node	-7795 Apr 20 j 06:24	28°♓11'28	
	-7795 Apr 28 j 20:41	0°♈	
evening set	-7795 May 14 j 05:22	3°♈19'51	
conjunction	-7795 May 27 j 14:41	6°♈17'17	0°04'52
minimum elong	-7795 May 27 j 14:41	6°♈17'17	0°04'52
behind sun begin	-7795 May 27 j 06:43	6°♈12'54	
behind sun end	-7795 May 27 j 22:39	6°♈21'40	
max. Earth dist.	-7795 May 26 j 22:06	6°♈08'07	6.32405 AU
morning rise	-7795 Jun 09 j 20:38	9°♈13'00	
retrograde	-7795 Oct 08 j 15:07	26°♈31'39	
opposition	-7795 Dec 07 j 10:44	21°♈37'33	0°42'59
min. Earth dist.	-7795 Dec 08 j 03:00	21°♈32'14	4.34702 AU
direct	-7794 Feb 07 j 12:41	16°♈34'04	
	-7794 May 24 j 21:02	0°♉	
evening set	-7794 Jun 15 j 17:08	4°♉41'19	
max. Earth dist.	-7794 Jun 27 j 09:46	7°♉16'10	6.35808 AU
conjunction	-7794 Jun 28 j 16:47	7°♉33'20	0°52'48
minimum elong	-7794 Jun 28 j 16:43	7°♉33'18	0°53'04
morning rise	-7794 Jul 11 j 13:00	10°♉23'40	
	-7794 Aug 01 j 21:43	15°♉	
retrograde	-7794 Nov 09 j 00:36	27°♉33'57	
opposition	-7793 Jan 08 j 09:20	22°♉42'00	1°44'10
min. Earth dist.	-7793 Jan 09 j 10:15	22°♉34'01	4.35824 AU
direct	-7793 Mar 11 j 23:23	17°♉40'38	
	-7793 Jun 20 j 15:41	0°♊	
evening set	-7793 Jul 17 j 05:47	5°♊42'56	
max. Earth dist.	-7793 Jul 28 j 07:24	8°♊10'53	6.34420 AU
conjunction	-7793 Jul 29 j 20:31	8°♊31'37	1°25'20
minimum elong	-7793 Jul 29 j 20:28	8°♊31'35	1°25'47
morning rise	-7793 Aug 11 j 08:51	11°♊19'09	
retrograde	-7793 Dec 11 j 03:06	28°♊45'09	
opposition	-7792 Feb 10 j 01:07	23°♊53'32	2°15'52
min. Earth dist.	-7792 Feb 11 j 02:42	23°♊45'24	4.32142 AU
direct	-7792 Apr 12 j 09:53	18°♊54'58	
	-7792 Jul 14 j 23:22	0°♋	
evening set	-7792 Aug 16 j 10:32	7°♋01'16	
conjunction	-7792 Aug 28 j 20:52	9°♋50'11	1°33'22
minimum elong	-7792 Aug 28 j 20:53	9°♋50'12	1°33'53
max. Earth dist.	-7792 Aug 27 j 13:57	9°♋32'37	6.28656 AU
morning rise	-7792 Sep 10 j 06:09	12°♋38'46	
	-7792 Dec 22 j 15:19	0°♌	
retrograde	-7791 Jan 12 j 13:50	0°♌40'25	
	-7791 Feb 02 j 13:30	30°℞♋	
opposition	-7791 Mar 14 j 20:17	25°♋47'18	2°07'53
min. Earth dist.	-7791 Mar 15 j 15:09	25°♋41'19	4.24685 AU
direct	-7791 May 15 j 09:25	20°♋51'46	
	-7791 Aug 05 j 16:48	0°♌	
evening set	-7791 Sep 17 j 01:04	9°♌09'03	
conjunction	-7791 Sep 29 j 12:58	12°♌02'08	1°13'13
minimum elong	-7791 Sep 29 j 13:02	12°♌02'11	1°13'38
max. Earth dist.	-7791 Sep 28 j 19:05	11°♌51'48	6.20163 AU
morning rise	-7791 Oct 12 j 02:01	14°♌55'56	
	-7791 Oct 12 j 09:06	15°♌	
	-7791 Dec 27 j 19:07	0°♍	
retrograde	-7790 Feb 16 j 13:20	3°♍44'55	
	-7790 Apr 09 j 12:15	30°℞♌	
opposition	-7790 Apr 18 j 20:36	28°♌48'34	1°18'50
min. Earth dist.	-7790 Apr 19 j 01:25	28°♌47'01	4.15694 AU
direct	-7790 Jun 18 j 03:47	23°♌55'09	
	-7790 Aug 21 j 13:08	0°♍	
evening set	-7790 Oct 19 j 19:28	12°♍28'27	
conjunction	-7790 Nov 01 j 14:23	15°♍28'16	0°28'46
minimum elong	-7790 Nov 01 j 14:26	15°♍28'18	0°28'58
max. Earth dist.	-7790 Nov 01 j 18:43	15°♍30'49	6.11581 AU
morning rise	-7790 Nov 14 j 11:44	18°♍29'34	
	-7789 Jan 06 j 22:44	0°♎	
retrograde	-7789 Mar 24 j 19:02	8°♎04'09	
opposition	-7789 May 24 j 18:05	3°♎03'51	0°00'53
min. Earth dist.	-7789 May 24 j 07:53	3°♎07'12	4.08179 AU
desc. node	-7789 May 28 j 21:26	2°♎31'19	
	-7789 Jun 19 j 01:17	30°℞♍	
direct	-7789 Jul 22 j 19:41	28°♍10'57	
	-7789 Aug 25 j 05:43	0°♎	
evening set	-7789 Nov 23 j 06:29	17°♎01'50	
conjunction	-7789 Dec 06 j 09:49	20°♎07'55	-0°26'46
minimum elong	-7789 Dec 06 j 09:46	20°♎07'54	0°26'53
max. Earth dist.	-7789 Dec 07 j 09:55	20°♎22'10	6.05823 AU
morning rise	-7789 Dec 19 j 16:48	23°♎15'55	
	-7788 Jan 18 j 07:53	0°♏	
retrograde	-7788 Apr 29 j 10:28	13°♏18'14	
opposition	-7788 Jun 28 j 20:33	8°♏14'28	-1°19'19
min. Earth dist.	-7788 Jun 27 j 21:52	8°♏22'05	4.04800 AU
direct	-7788 Aug 26 j 02:06	3°♏19'58	
	-7788 Nov 25 j 13:42	15°♏	
evening set	-7788 Dec 28 j 08:25	22°♏24'23	
conjunction	-7787 Jan 10 j 19:17	25°♏33'55	-1°13'13
minimum elong	-7787 Jan 10 j 19:12	25°♏33'53	1°13'38
max. Earth dist.	-7787 Jan 12 j 10:00	25°♏56'42	6.05018 AU
morning rise	-7787 Jan 24 j 09:06	28°♏45'00	
	-7787 Jan 29 j 18:16	0°♐	
retrograde	-7787 Jun 04 j 15:49	18°♐44'02	
min. Earth dist.	-7787 Aug 02 j 08:25	13°♐47'16	4.06782 AU
opposition	-7787 Aug 03 j 09:14	13°♐38'49	-2°10'19
direct	-7787 Sep 30 j 13:35	8°♐41'12	
evening set	-7786 Feb 03 j 06:34	27°♐48'21	
	-7786 Feb 12 j 18:22	0°♑	
conjunction	-7786 Feb 16 j 22:16	0°♑57'52	-1°32'37
minimum elong	-7786 Feb 16 j 22:16	0°♑57'52	1°33'09
max. Earth dist.	-7786 Feb 18 j 11:38	1°♑19'31	6.09465 AU
morning rise	-7786 Mar 02 j 15:40	4°♑08'05	
retrograde	-7786 Jul 09 j 10:28	23°♑32'17	
opposition	-7786 Sep 06 j 18:19	18°♑28'15	-2°13'13
min. Earth dist.	-7786 Sep 05 j 22:23	18°♑35'04	4.13295 AU
direct	-7786 Nov 04 j 13:45	13°♑27'15	

Attention, astronomical year style is used: The year -7785 in astronomical counting style is the year 7786 BCE in historical counting style.

	-7785 Mar 01 j 02:51	0°♒	
evening set	-7785 Mar 11 j 19:52	2°♒23'57	
conjunction	-7785 Mar 25 j 13:26	5°♒30'49	-1°18'45
minimum elong	-7785 Mar 25 j 13:31	5°♒30'52	1°19'12
max. Earth dist.	-7785 Mar 26 j 11:17	5°♒43'14	6.17488 AU
morning rise	-7785 Apr 08 j 06:42	8°♒37'20	
	-7785 May 07 j 10:41	15°♒	
retrograde	-7785 Aug 11 j 17:45	27°♒10'26	
opposition	-7785 Oct 09 j 21:45	22°♒09'34	-1°30'44
min. Earth dist.	-7785 Oct 09 j 14:36	22°♒11'59	4.21967 AU
direct	-7785 Dec 08 j 22:28	17°♒06'08	
	-7784 Mar 19 j 13:37	0°♓	
evening set	-7784 Apr 15 j 02:31	5°♓44'06	
conjunction	-7784 Apr 28 j 17:52	8°♓46'30	-0°38'58
minimum elong	-7784 Apr 28 j 17:56	8°♓46'32	0°39'12
max. Earth dist.	-7784 Apr 28 j 19:08	8°♓47'12	6.26220 AU
morning rise	-7784 May 12 j 06:45	11°♓47'35	
retrograde	-7784 Sep 11 j 16:25	29°♓33'29	
opposition	-7784 Nov 10 j 02:19	24°♓36'30	-0°21'09
min. Earth dist.	-7784 Nov 10 j 08:04	24°♓34'35	4.29940 AU
direct	-7783 Jan 10 j 07:41	19°♓32'20	
asc. node	-7783 Feb 28 j 06:08	22°♓58'18	
	-7783 Apr 11 j 08:44	0°♈	
evening set	-7783 May 18 j 20:13	7°♈51'53	
max. Earth dist.	-7783 May 31 j 08:15	10°♈37'34	6.32880 AU
conjunction	-7783 Jun 01 j 04:16	10°♈48'39	0°12'00
minimum elong	-7783 Jun 01 j 04:14	10°♈48'38	0°12'02
behind sun begin	-7783 May 31 j 22:43	10°♈45'36	
behind sun end	-7783 Jun 01 j 09:45	10°♈51'41	
morning rise	-7783 Jun 14 j 09:01	13°♈43'41	
	-7783 Sep 17 j 20:08	0°♉	
retrograde	-7783 Oct 13 j 01:54	1°♉00'45	
	-7783 Nov 07 j 06:38	30°℞♈	
opposition	-7783 Dec 11 j 21:52	26°♈07'07	0°52'45
min. Earth dist.	-7783 Dec 12 j 16:35	26°♈01'02	4.34825 AU
direct	-7782 Feb 12 j 02:57	21°♈03'54	
	-7782 May 06 j 17:27	0°♉	
evening set	-7782 Jun 20 j 05:02	9°♉11'12	
max. Earth dist.	-7782 Jul 01 j 18:50	11°♉44'43	6.35554 AU
conjunction	-7782 Jul 03 j 03:27	12°♉02'47	0°58'32
minimum elong	-7782 Jul 03 j 03:23	12°♉02'45	0°58'50
morning rise	-7782 Jul 15 j 22:26	14°♉52'43	
	-7782 Jul 16 j 11:39	15°♉	
	-7782 Oct 07 j 15:52	0°♊	
retrograde	-7782 Nov 13 j 12:19	2°♊05'01	
	-7782 Dec 20 j 18:53	30°℞♉	
opposition	-7781 Jan 12 j 23:06	27°♉13'15	1°50'42
min. Earth dist.	-7781 Jan 13 j 23:46	27°♉05'21	4.35255 AU
direct	-7781 Mar 16 j 11:59	22°♉12'16	
	-7781 Jun 01 j 17:50	0°♊	
evening set	-7781 Jul 21 j 16:38	10°♊15'52	
max. Earth dist.	-7781 Aug 01 j 18:41	12°♊44'24	6.33576 AU
conjunction	-7781 Aug 03 j 06:30	13°♊04'28	1°28'04
minimum elong	-7781 Aug 03 j 06:27	13°♊04'27	1°28'32
morning rise	-7781 Aug 15 j 18:02	15°♊52'01	
	-7781 Oct 28 j 23:45	0°♋	
retrograde	-7781 Dec 15 j 20:38	3°♋22'52	
	-7780 Feb 02 j 22:44	30°℞♊	
opposition	-7780 Feb 14 j 19:24	28°♊31'13	2°17'14
min. Earth dist.	-7780 Feb 15 j 20:37	28°♊23'13	4.31091 AU
direct	-7780 Apr 17 j 02:15	23°♊33'10	
	-7780 Jun 24 j 19:41	0°♋	

evening set	-7780 Aug 20 j 22:18	11°♋41'10	
max. Earth dist.	-7780 Sep 01 j 02:16	14°♋13'19	6.27478 AU
conjunction	-7780 Sep 02 j 08:25	14°♋30'30	1°32'09
minimum elong	-7780 Sep 02 j 08:27	14°♋30'30	1°32'41
morning rise	-7780 Sep 14 j 18:00	17°♋19'39	
	-7780 Nov 16 j 09:15	0°♌	
retrograde	-7779 Jan 17 j 11:54	5°♌27'43	
opposition	-7779 Mar 19 j 18:58	0°♌34'11	2°03'11
min. Earth dist.	-7779 Mar 20 j 11:11	0°♌29'01	4.23464 AU
	-7779 Mar 24 j 06:35	30°℞♋	
direct	-7779 May 20 j 03:34	25°♋39'01	
	-7779 Jul 13 j 19:00	0°♌	
evening set	-7779 Sep 21 j 15:42	13°♌58'05	
	-7779 Sep 26 j 03:05	15°♌	
conjunction	-7779 Oct 04 j 04:27	16°♌51'59	1°08'06
minimum elong	-7779 Oct 04 j 04:31	16°♌52'02	1°08'30
max. Earth dist.	-7779 Oct 03 j 15:08	16°♌44'16	6.19021 AU
morning rise	-7779 Oct 16 j 18:16	19°♌46'40	
	-7779 Dec 03 j 06:25	0°♍	
retrograde	-7778 Feb 21 j 16:05	8°♍41'48	
opposition	-7778 Apr 23 j 22:32	3°♍44'55	1°08'57
min. Earth dist.	-7778 Apr 24 j 01:31	3°♍43'58	4.14698 AU
	-7778 May 27 j 04:50	30°℞♌	
direct	-7778 Jun 23 j 01:58	28°♌51'43	
	-7778 Jul 19 j 18:10	0°♍	
evening set	-7778 Oct 24 j 14:38	17°♍26'33	
conjunction	-7778 Nov 06 j 10:31	20°♍27'11	0°21'07
minimum elong	-7778 Nov 06 j 10:33	20°♍27'12	0°21'16
max. Earth dist.	-7778 Nov 06 j 16:46	20°♍30'50	6.10806 AU
morning rise	-7778 Nov 19 j 09:22	23°♍29'26	
	-7778 Dec 18 j 03:39	0°♎	
retrograde	-7777 Mar 29 j 21:49	13°♎08'13	
desc. node	-7777 Apr 07 j 13:51	13°♎01'06	
opposition	-7777 May 29 j 20:50	8°♎07'20	-0°11'06
min. Earth dist.	-7777 May 29 j 07:42	8°♎11'39	4.07690 AU
direct	-7777 Jul 27 j 18:44	3°♎14'17	
evening set	-7777 Nov 28 j 06:24	22°♎06'23	
conjunction	-7777 Dec 11 j 10:58	25°♎13'02	-0°34'21
minimum elong	-7777 Dec 11 j 10:55	25°♎13'00	0°34'31
max. Earth dist.	-7777 Dec 12 j 14:40	25°♎29'23	6.05656 AU
morning rise	-7777 Dec 24 j 18:53	28°♎21'31	
	-7777 Dec 31 j 19:52	0°♏	
	-7776 Mar 17 j 22:44	15°♏	
retrograde	-7776 May 04 j 14:40	18°♏24'25	
	-7776 Jun 21 j 07:28	15°℞♏	
opposition	-7776 Jul 03 j 21:39	13°♏20'19	-1°28'52
min. Earth dist.	-7776 Jul 02 j 23:06	13°♏27'54	4.04986 AU
direct	-7776 Aug 31 j 03:00	8°♏25'27	
	-7776 Nov 04 j 22:05	15°♏	
evening set	-7775 Jan 02 j 11:59	27°♏30'09	
	-7775 Jan 13 j 03:47	0°♐	
conjunction	-7775 Jan 15 j 23:32	0°♐39'45	-1°17'52
minimum elong	-7775 Jan 15 j 23:28	0°♐39'43	1°18'17
max. Earth dist.	-7775 Jan 17 j 14:18	1°♐02'30	6.05518 AU
morning rise	-7775 Jan 29 j 14:07	3°♐50'51	
retrograde	-7775 Jun 09 j 13:26	23°♐46'03	
min. Earth dist.	-7775 Aug 07 j 05:07	18°♐49'26	4.07578 AU
opposition	-7775 Aug 08 j 06:16	18°♐40'51	-2°13'45
direct	-7775 Oct 05 j 10:55	13°♐42'46	
	-7774 Jan 27 j 01:28	0°♑	
evening set	-7774 Feb 08 j 10:08	2°♑48'52	

Attention, astronomical year style is used: The year -7774 in astronomical counting style is the year 7775 BCE in historical counting style.

conjunction	-7774 Feb 22 j 02:15	5°♑58'06	-1°32'38	
minimum elong	-7774 Feb 22 j 02:16	5°♑58'06	1°33'09	
max. Earth dist.	-7774 Feb 23 j 13:13	6°♑18'18	6.10478 AU	
morning rise	-7774 Mar 07 j 19:51	9°♑07'55		
retrograde	-7774 Jul 14 j 04:52	28°♑25'31		
opposition	-7774 Sep 11 j 11:14	23°♑21'48	-2°09'41	
min. Earth dist.	-7774 Sep 10 j 17:48	23°♑27'46	4.14411 AU	
direct	-7774 Nov 09 j 11:20	18°♑20'21		
	-7773 Feb 11 j 12:27	0°♒		
evening set	-7773 Mar 16 j 20:01	7°♒14'50		
conjunction	-7773 Mar 30 j 13:43	10°♒21'15	-1°14'26	
minimum elong	-7773 Mar 30 j 13:47	10°♒21'18	1°14'52	
max. Earth dist.	-7773 Mar 31 j 09:47	10°♒32'37	6.18634 AU	
morning rise	-7773 Apr 13 j 06:34	13°♒27'08		
	-7773 Apr 20 j 04:36	15°♒		
	-7773 Jul 12 j 20:05	0°♓		
retrograde	-7773 Aug 16 j 06:27	1°♓53'27		
	-7773 Sep 19 j 11:49	30°℞♒		
opposition	-7773 Oct 14 j 11:04	26°♒53'07	-1°22'05	
min. Earth dist.	-7773 Oct 14 j 05:07	26°♒55'07	4.23033 AU	
direct	-7773 Dec 13 j 14:54	21°♒49'29		
	-7772 Feb 29 j 11:51	0°♓		
evening set	-7772 Apr 19 j 22:24	10°♓25'15		
conjunction	-7772 May 03 j 12:53	13°♓26'58	-0°32'06	
minimum elong	-7772 May 03 j 12:56	13°♓27'00	0°32'18	
max. Earth dist.	-7772 May 03 j 09:38	13°♓25'09	6.27132 AU	
morning rise	-7772 May 17 j 01:01	16°♓27'20		
	-7772 Jul 25 j 18:44	0°♈		
retrograde	-7772 Sep 16 j 04:18	4°♈08'37		
	-7772 Nov 08 j 13:03	30°℞♓		
opposition	-7772 Nov 14 j 14:10	29°♓12'08	-0°10'29	
min. Earth dist.	-7772 Nov 14 j 22:47	29°♓09'17	4.30623 AU	
asc. node	-7771 Jan 07 j 22:19	24°♓12'40		
direct	-7771 Jan 15 j 00:12	24°♓07'58		
	-7771 Mar 21 j 13:10	0°♈		
evening set	-7771 May 23 j 11:41	12°♈26'10		
conjunction	-7771 Jun 05 j 18:40	15°♈22'17	0°19'10	
minimum elong	-7771 Jun 05 j 18:38	15°♈22'16	0°19'14	
max. Earth dist.	-7771 Jun 04 j 21:27	15°♈10'33	6.33286 AU	
morning rise	-7771 Jun 18 j 22:00	18°♈16'36		
	-7771 Aug 16 j 19:51	0°♉		
retrograde	-7771 Oct 17 j 11:48	5°♉32'16		
opposition	-7771 Dec 16 j 10:17	0°♉39'00	1°02'21	
min. Earth dist.	-7771 Dec 17 j 05:11	0°♉32'52	4.34956 AU	
	-7771 Dec 21 j 10:43	30°℞♈		
direct	-7770 Feb 16 j 15:51	25°♈36'04		
	-7770 Apr 14 j 03:20	0°♉		
evening set	-7770 Jun 24 j 17:33	13°♉43'02		
	-7770 Jun 30 j 12:58	15°♉		
max. Earth dist.	-7770 Jul 06 j 04:44	16°♉15'19	6.35398 AU	
conjunction	-7770 Jul 07 j 14:30	16°♉34'04	1°04'00	
minimum elong	-7770 Jul 07 j 14:26	16°♉34'02	1°04'20	
morning rise	-7770 Jul 20 j 08:19	19°♉23'33		
	-7770 Sep 10 j 13:40	0°♊		
retrograde	-7770 Nov 18 j 02:49	6°♊37'35		
opposition	-7769 Jan 17 j 14:15	1°♊45'59	1°56'40	
min. Earth dist.	-7769 Jan 18 j 15:55	1°♊37'47	4.34848 AU	
	-7769 Jan 31 j 17:09	30°℞♉		
direct	-7769 Mar 21 j 03:56	26°♉45'25		
	-7769 May 08 j 01:03	0°♊		
evening set	-7769 Jul 26 j 03:39	14°♊49'19		
max. Earth dist.	-7769 Aug 06 j 05:25	17°♊17'59	6.32947 AU	
conjunction	-7769 Aug 07 j 16:42	17°♊37'48	1°30'19	
minimum elong	-7769 Aug 07 j 16:39	17°♊37'46	1°30'48	
morning rise	-7769 Aug 20 j 03:34	20°♊25'18		
	-7769 Oct 05 j 00:41	0°♋		
retrograde	-7769 Dec 20 j 12:41	8°♋00'12		
opposition	-7768 Feb 19 j 13:45	3°♋08'21	2°17'46	
min. Earth dist.	-7768 Feb 20 j 12:56	3°♋01'00	4.30305 AU	
	-7768 Mar 17 j 10:10	30°℞♊		
direct	-7768 Apr 21 j 17:17	28°♊10'46		
	-7768 May 26 j 20:35	0°♋		
evening set	-7768 Aug 25 j 09:40	16°♋19'24		
conjunction	-7768 Sep 06 j 19:45	19°♋09'03	1°30'24	
minimum elong	-7768 Sep 06 j 19:47	19°♋09'04	1°30'54	
max. Earth dist.	-7768 Sep 05 j 16:47	18°♋53'39	6.26610 AU	
morning rise	-7768 Sep 19 j 05:25	21°♋58'38		
	-7768 Oct 26 j 06:55	0°♌		
retrograde	-7767 Jan 22 j 09:42	10°♌11'58		
opposition	-7767 Mar 24 j 16:51	5°♌18'03	1°57'43	
min. Earth dist.	-7767 Mar 25 j 08:01	5°♌13'13	4.22549 AU	
direct	-7767 May 24 j 22:52	0°♌23'16		
	-7767 Sep 09 j 19:57	15°♌		
evening set	-7767 Sep 26 j 05:06	18°♌43'04		
conjunction	-7767 Oct 08 j 18:29	21°♌37'39	1°02'37	
minimum elong	-7767 Oct 08 j 18:33	21°♌37'42	1°02'59	
max. Earth dist.	-7767 Oct 08 j 06:56	21°♌30'57	6.18143 AU	
morning rise	-7767 Oct 21 j 09:26	24°♌33'11		
	-7767 Nov 14 j 14:13	0°♍		
retrograde	-7766 Feb 26 j 14:54	13°♍33'35		
opposition	-7766 Apr 28 j 22:25	8°♍36'07	0°58'44	
min. Earth dist.	-7766 Apr 28 j 22:15	8°♍36'10	4.13909 AU	
direct	-7766 Jun 27 j 21:16	3°♍43'03		
evening set	-7766 Oct 29 j 08:03	22°♍19'00		
conjunction	-7766 Nov 11 j 05:09	25°♍20'25	0°13'28	
minimum elong	-7766 Nov 11 j 05:10	25°♍20'26	0°13'33	
behind sun begin	-7766 Nov 11 j 00:36	25°♍17'45		
behind sun end	-7766 Nov 11 j 09:44	25°♍23'06		
max. Earth dist.	-7766 Nov 11 j 15:16	25°♍26'21	6.10185 AU	
morning rise	-7766 Nov 24 j 05:05	28°♍23'28		
	-7766 Dec 01 j 03:21	0°♎		
desc. node	-7765 Feb 15 j 21:51	14°♎48'36		
retrograde	-7765 Apr 04 j 00:47	18°♎05'55		
opposition	-7765 Jun 03 j 20:59	13°♎04'32	-0°22'46	
min. Earth dist.	-7765 Jun 03 j 07:19	13°♎09'03	4.07280 AU	
direct	-7765 Aug 01 j 17:07	8°♎11'21		
evening set	-7765 Dec 03 j 04:44	27°♎04'49		
	-7765 Dec 15 j 13:59	0°♏		
conjunction	-7765 Dec 16 j 10:16	0°♏11'58	-0°41'33	
minimum elong	-7765 Dec 16 j 10:12	0°♏11'55	0°41'45	
max. Earth dist.	-7765 Dec 17 j 15:03	0°♏28'57	6.05481 AU	
morning rise	-7765 Dec 29 j 19:20	3°♏20'59		
	-7764 Feb 21 j 12:43	15°♏		
retrograde	-7764 May 09 j 14:22	23°♏24'22		
opposition	-7764 Jul 08 j 19:53	18°♏20'01	-1°37'34	
min. Earth dist.	-7764 Jul 07 j 20:04	18°♏28'03	4.05092 AU	
	-7764 Aug 05 j 02:33	15°℞♏		
direct	-7764 Sep 04 j 22:48	13°♏24'49		
	-7764 Oct 05 j 20:02	15°♏		
	-7764 Dec 27 j 17:20	0°♐		
evening set	-7763 Jan 07 j 13:45	2°♐30'33		
conjunction	-7763 Jan 21 j 02:04	5°♐40'18	-1°21'51	
minimum elong	-7763 Jan 21 j 02:00	5°♐40'16	1°22'17	
max. Earth dist.	-7763 Jan 22 j 16:05	6°♐02'35	6.05871 AU	

Attention, astronomical year style is used: The year -7763 in astronomical counting style is the year 7764 BCE in historical counting style.

morning rise	-7763 Feb 03 j 17:15	8°♐51'27	
retrograde	-7763 Jun 14 j 10:55	28°♐43'39	
min. Earth dist.	-7763 Aug 12 j 01:55	23°♐46'39	4.08144 AU
opposition	-7763 Aug 13 j 01:37	23°♐38'33	-2°16'11
direct	-7763 Oct 10 j 08:35	18°♐39'59	
	-7762 Jan 09 j 08:39	0°♑	
evening set	-7762 Feb 13 j 12:22	7°♑46'02	
conjunction	-7762 Feb 27 j 05:05	10°♑55'11	-1°31'57
minimum elong	-7762 Feb 27 j 05:06	10°♑55'12	1°32'28
max. Earth dist.	-7762 Feb 28 j 15:23	11°♑14'57	6.11221 AU
morning rise	-7762 Mar 12 j 22:45	14°♑04'43	
	-7762 Jun 02 j 21:06	0°♒	
retrograde	-7762 Jul 18 j 22:13	3°♒16'44	
	-7762 Sep 02 j 20:12	30°℞♑	
min. Earth dist.	-7762 Sep 15 j 10:41	28°♑19'07	4.15266 AU
opposition	-7762 Sep 16 j 03:09	28°♑13'30	-2°05'18
direct	-7762 Nov 14 j 05:43	23°♑11'43	
	-7761 Jan 22 j 04:54	0°♒	
evening set	-7761 Mar 21 j 20:06	12°♒05'06	
	-7761 Apr 03 j 17:54	15°♒	
conjunction	-7761 Apr 04 j 13:33	15°♒11'07	-1°09'37
minimum elong	-7761 Apr 04 j 13:38	15°♒11'10	1°10'02
max. Earth dist.	-7761 Apr 05 j 05:15	15°♒20'00	6.19545 AU
morning rise	-7761 Apr 18 j 06:15	18°♒16'31	
	-7761 Jun 14 j 06:46	0°♓	
retrograde	-7761 Aug 20 j 20:20	6°♓37'02	
opposition	-7761 Oct 19 j 00:35	1°♓37'13	-1°12'55
min. Earth dist.	-7761 Oct 18 j 20:56	1°♓38'26	4.23914 AU
	-7761 Oct 31 j 06:24	30°℞♒	
direct	-7761 Dec 18 j 08:59	26°♒33'23	
	-7760 Feb 04 j 17:44	0°♓	
evening set	-7760 Apr 24 j 18:09	15°♓07'32	
conjunction	-7760 May 08 j 08:04	18°♓08'39	-0°25'01
minimum elong	-7760 May 08 j 08:06	18°♓08'41	0°25'11
max. Earth dist.	-7760 May 08 j 03:42	18°♓06'14	6.27945 AU
morning rise	-7760 May 21 j 19:03	21°♓08'17	
	-7760 Jul 03 j 03:11	0°♈	
retrograde	-7760 Sep 20 j 15:09	8°♈45'20	
asc. node	-7760 Nov 17 j 14:47	4°♈01'11	
opposition	-7760 Nov 19 j 02:33	3°♈49'22	0°00'17
min. Earth dist.	-7760 Nov 19 j 11:49	3°♈46'19	4.31307 AU
	-7760 Dec 22 j 02:56	30°℞♓	
direct	-7759 Jan 19 j 14:37	28°♓45'20	
	-7759 Feb 17 j 11:33	0°♈	
evening set	-7759 May 28 j 03:14	17°♈01'51	
max. Earth dist.	-7759 Jun 09 j 08:26	19°♈43'45	6.33779 AU
conjunction	-7759 Jun 10 j 08:43	19°♈57'11	0°26'14
minimum elong	-7759 Jun 10 j 08:40	19°♈57'10	0°26'22
morning rise	-7759 Jun 23 j 10:51	22°♈50'46	
	-7759 Jul 27 j 07:07	0°♉	
retrograde	-7759 Oct 21 j 23:51	10°♉04'49	
opposition	-7759 Dec 20 j 23:10	5°♉11'49	1°11'36
min. Earth dist.	-7759 Dec 21 j 19:50	5°♉05'07	4.35231 AU
direct	-7758 Feb 21 j 07:31	0°♉09'05	
	-7758 Jun 14 j 06:45	15°♉	
evening set	-7758 Jun 29 j 05:24	18°♉14'53	
max. Earth dist.	-7758 Jul 10 j 15:47	20°♉46'48	6.35406 AU
conjunction	-7758 Jul 12 j 01:10	21°♉05'21	1°09'05
minimum elong	-7758 Jul 12 j 01:06	21°♉05'19	1°09'27
morning rise	-7758 Jul 24 j 17:37	23°♉54'17	
	-7758 Aug 22 j 04:57	0°♊	
retrograde	-7758 Nov 22 j 14:02	11°♊09'29	
opposition	-7757 Jan 22 j 04:41	6°♊17'53	2°01'55
min. Earth dist.	-7757 Jan 23 j 05:31	6°♊09'57	4.34592 AU
direct	-7757 Mar 25 j 16:52	1°♊17'41	
evening set	-7757 Jul 30 j 13:33	19°♊21'15	
max. Earth dist.	-7757 Aug 10 j 14:40	21°♊49'51	6.32411 AU
conjunction	-7757 Aug 12 j 01:41	22°♊09'33	1°32'01
minimum elong	-7757 Aug 12 j 01:40	22°♊09'32	1°32'32
morning rise	-7757 Aug 24 j 12:03	24°♊57'02	
	-7757 Sep 16 j 14:49	0°♋	
retrograde	-7757 Dec 25 j 05:57	12°♋35'50	
opposition	-7756 Feb 24 j 07:28	7°♋43'46	2°17'29
min. Earth dist.	-7756 Feb 25 j 06:57	7°♋36'18	4.29499 AU
direct	-7756 Apr 26 j 10:07	2°♋46'31	
evening set	-7756 Aug 29 j 19:43	20°♋55'51	
max. Earth dist.	-7756 Sep 10 j 04:13	23°♋31'14	6.25590 AU
conjunction	-7756 Sep 11 j 05:56	23°♋45'57	1°28'07
minimum elong	-7756 Sep 11 j 05:59	23°♋45'58	1°28'36
morning rise	-7756 Sep 23 j 16:00	26°♋36'07	
	-7756 Oct 08 j 19:25	0°♌	
retrograde	-7755 Jan 27 j 04:51	14°♌55'24	
opposition	-7755 Mar 29 j 13:56	10°♌01'00	1°51'33
min. Earth dist.	-7755 Mar 30 j 02:34	9°♌56'59	4.21377 AU
direct	-7755 May 29 j 15:09	5°♌06'30	
	-7755 Aug 23 j 03:49	15°♌	
evening set	-7755 Sep 30 j 18:32	23°♌28'12	
conjunction	-7755 Oct 13 j 08:49	26°♌23'41	0°56'43
minimum elong	-7755 Oct 13 j 08:53	26°♌23'43	0°57'04
max. Earth dist.	-7755 Oct 13 j 00:19	26°♌18'44	6.16929 AU
morning rise	-7755 Oct 26 j 00:47	29°♌20'13	
	-7755 Oct 28 j 21:48	0°♍	
retrograde	-7754 Mar 03 j 17:25	18°♍27'11	
opposition	-7754 May 03 j 22:46	13°♍29'10	0°48'04
min. Earth dist.	-7754 May 03 j 21:44	13°♍29'30	4.12723 AU
direct	-7754 Jul 02 j 18:35	8°♍36'07	
evening set	-7754 Nov 03 j 03:03	27°♍14'52	
	-7754 Nov 14 j 20:01	0°♎	
conjunction	-7754 Nov 16 j 01:22	0°♎17'17	0°05'39
minimum elong	-7754 Nov 16 j 01:21	0°♎17'17	0°05'43
behind sun begin	-7754 Nov 15 j 17:34	0°♎12'43	
behind sun end	-7754 Nov 16 j 09:09	0°♎21'50	
max. Earth dist.	-7754 Nov 16 j 13:40	0°♎24'31	6.09140 AU
morning rise	-7754 Nov 29 j 02:47	3°♎21'25	
desc. node	-7754 Dec 26 j 06:24	9°♎31'45	
retrograde	-7753 Apr 09 j 04:12	23°♎08'56	
opposition	-7753 Jun 08 j 22:56	18°♎07'03	-0°34'28
min. Earth dist.	-7753 Jun 08 j 06:55	18°♎12'21	4.06488 AU
direct	-7753 Aug 06 j 14:23	13°♎13'41	
	-7753 Nov 28 j 22:57	0°♏	
evening set	-7753 Dec 08 j 06:06	2°♏10'04	
conjunction	-7753 Dec 21 j 12:44	5°♏17'53	-0°48'35
minimum elong	-7753 Dec 21 j 12:40	5°♏17'51	0°48'50
max. Earth dist.	-7753 Dec 22 j 19:12	5°♏35'53	6.04992 AU
morning rise	-7752 Jan 03 j 22:53	8°♏27'34	
	-7752 Feb 01 j 17:12	15°♏	
retrograde	-7752 May 14 j 18:04	28°♏32'27	
opposition	-7752 Jul 13 j 21:18	23°♏27'49	-1°45'48
min. Earth dist.	-7752 Jul 12 j 21:21	23°♏35'55	4.04967 AU
direct	-7752 Sep 10 j 00:07	18°♏32'10	
	-7752 Dec 09 j 16:40	0°♐	
evening set	-7751 Jan 12 j 19:36	7°♐39'43	
conjunction	-7751 Jan 26 j 08:51	10°♐49'43	-1°25'19

Attention, astronomical year style is used: The year -7751 in astronomical counting style is the year 7752 BCE in historical counting style.

minimum elong	-7751 Jan 26 j 08:47	10°♐49'41	1°25'48
max. Earth dist.	-7751 Jan 28 j 00:33	11°♐12'57	6.06122 AU
morning rise	-7751 Feb 09 j 00:35	14°♐00'58	
	-7751 Apr 30 j 06:55	0°♑	
retrograde	-7751 Jun 19 j 12:09	3°♑49'49	
	-7751 Aug 08 j 18:15	30°℞♐	
min. Earth dist.	-7751 Aug 17 j 00:43	28°♐52'57	4.08779 AU
opposition	-7751 Aug 18 j 00:16	28°♐44'54	-2°17'40
direct	-7751 Oct 15 j 08:22	23°♐45'56	
	-7751 Dec 18 j 23:37	0°♑	
evening set	-7750 Feb 18 j 18:42	12°♑51'31	
conjunction	-7750 Mar 04 j 11:39	16°♑00'24	-1°30'36
minimum elong	-7750 Mar 04 j 11:41	16°♑00'25	1°31'07
max. Earth dist.	-7750 Mar 05 j 19:19	16°♑18'36	6.12198 AU
morning rise	-7750 Mar 18 j 05:37	19°♑09'34	
	-7750 May 08 j 05:20	0°♒	
retrograde	-7750 Jul 23 j 17:21	8°♒14'44	
opposition	-7750 Sep 20 j 22:05	3°♒11'54	-1°59'55
min. Earth dist.	-7750 Sep 20 j 06:40	3°♒17'09	4.16508 AU
	-7750 Oct 16 j 11:21	30°℞♑	
direct	-7750 Nov 19 j 04:43	28°♑09'47	
	-7750 Dec 23 j 07:41	0°♒	
	-7749 Mar 17 j 22:13	15°♒	
evening set	-7749 Mar 26 j 22:11	17°♒00'14	
conjunction	-7749 Apr 09 j 15:33	20°♒05'34	-1°04'16
minimum elong	-7749 Apr 09 j 15:38	20°♒05'37	1°04'38
max. Earth dist.	-7749 Apr 10 j 06:35	20°♒14'03	6.21010 AU
morning rise	-7749 Apr 23 j 07:31	23°♒10'05	
	-7749 May 24 j 21:41	0°♓	
retrograde	-7749 Aug 25 j 10:33	11°♓22'37	
opposition	-7749 Oct 23 j 15:28	6°♓23'23	-1°03'13
min. Earth dist.	-7749 Oct 23 j 13:00	6°♓24'13	4.25465 AU
direct	-7749 Dec 23 j 03:52	1°♓19'31	
evening set	-7748 Apr 29 j 14:00	19°♓49'17	
conjunction	-7748 May 13 j 02:44	22°♓49'21	-0°17'50
minimum elong	-7748 May 13 j 02:46	22°♓49'22	0°17'58
max. Earth dist.	-7748 May 12 j 18:48	22°♓44'57	6.29472 AU
morning rise	-7748 May 26 j 12:42	25°♓47'52	
	-7748 Jun 14 j 21:43	0°♈	
retrograde	-7748 Sep 25 j 00:46	13°♈18'28	
asc. node	-7748 Sep 27 j 23:12	13°♈17'36	
opposition	-7748 Nov 23 j 14:08	8°♈22'57	0°10'51
min. Earth dist.	-7748 Nov 24 j 01:17	8°♈19'17	4.32693 AU
direct	-7747 Jan 24 j 06:42	3°♈18'59	
evening set	-7747 Jun 01 j 16:13	21°♈31'23	
conjunction	-7747 Jun 14 j 20:23	24°♈25'39	0°32'58
minimum elong	-7747 Jun 14 j 20:20	24°♈25'38	0°33'08
max. Earth dist.	-7747 Jun 13 j 19:33	24°♈11'56	6.34919 AU
morning rise	-7747 Jun 27 j 20:52	27°♈18'09	
	-7747 Jul 10 j 06:32	0°♉	
retrograde	-7747 Oct 26 j 06:23	14°♉28'48	
opposition	-7747 Dec 25 j 09:04	9°♉36'08	1°20'03
min. Earth dist.	-7747 Dec 26 j 06:24	9°♉29'14	4.36049 AU
direct	-7746 Feb 25 j 18:57	4°♉33'44	
	-7746 May 28 j 08:39	15°♉	
evening set	-7746 Jul 03 j 13:08	22°♉36'39	
max. Earth dist.	-7746 Jul 14 j 19:27	25°♉06'23	6.35807 AU
conjunction	-7746 Jul 16 j 07:24	25°♉26'22	1°13'33
minimum elong	-7746 Jul 16 j 07:20	25°♉26'20	1°13'57
morning rise	-7746 Jul 28 j 22:50	28°♉14'40	
	-7746 Aug 05 j 22:39	0°♊	
retrograde	-7746 Nov 26 j 23:24	15°♊30'18	
opposition	-7745 Jan 26 j 15:16	10°♊38'47	2°06'12
min. Earth dist.	-7745 Jan 27 j 17:42	10°♊30'21	4.34550 AU
direct	-7745 Mar 30 j 04:34	5°♊38'55	
evening set	-7745 Aug 03 j 18:39	23°♊41'42	
max. Earth dist.	-7745 Aug 14 j 19:45	26°♊10'29	6.31916 AU
conjunction	-7745 Aug 16 j 06:17	26°♊29'56	1°33'06
minimum elong	-7745 Aug 16 j 06:15	26°♊29'55	1°33'36
morning rise	-7745 Aug 28 j 16:04	29°♊17'24	
	-7745 Aug 31 j 20:19	0°♋	
retrograde	-7745 Dec 29 j 16:19	17°♋00'19	
opposition	-7744 Feb 28 j 20:26	12°♋08'05	2°16'24
min. Earth dist.	-7744 Feb 29 j 19:01	12°♋00'56	4.28583 AU
direct	-7744 Apr 30 j 19:44	7°♋11'15	
evening set	-7744 Sep 03 j 01:57	25°♋22'10	
max. Earth dist.	-7744 Sep 14 j 11:06	27°♋58'24	6.24328 AU
conjunction	-7744 Sep 15 j 12:19	28°♋12'52	1°25'23
minimum elong	-7744 Sep 15 j 12:22	28°♋12'54	1°25'52
	-7744 Sep 23 j 07:10	0°♌	
morning rise	-7744 Sep 27 j 22:54	1°♌03'49	
	-7744 Dec 06 j 23:02	15°♌	
retrograde	-7743 Jan 31 j 23:43	19°♌30'17	
	-7743 Mar 31 j 02:46	15°℞♌	
opposition	-7743 Apr 03 j 07:27	14°♌35'32	1°44'55
min. Earth dist.	-7743 Apr 03 j 19:56	14°♌31'32	4.19830 AU
direct	-7743 Jun 03 j 05:41	9°♌41'15	
	-7743 Aug 02 j 13:02	15°♌	
evening set	-7743 Oct 05 j 05:12	28°♌06'40	
	-7743 Oct 13 j 08:03	0°♍	
conjunction	-7743 Oct 17 j 20:34	1°♍03'20	0°50'39
minimum elong	-7743 Oct 17 j 20:38	1°♍03'22	0°50'56
max. Earth dist.	-7743 Oct 17 j 14:01	0°♍59'30	6.15254 AU
morning rise	-7743 Oct 30 j 13:49	4°♍01'10	
retrograde	-7742 Mar 08 j 17:03	23°♍16'36	
opposition	-7742 May 08 j 20:57	18°♍18'07	0°37'19
min. Earth dist.	-7742 May 08 j 17:30	18°♍19'14	4.11064 AU
direct	-7742 Jul 07 j 10:46	13°♍25'11	
	-7742 Oct 29 j 16:06	0°♎	
desc. node	-7742 Nov 05 j 12:26	1°♎35'31	
evening set	-7742 Nov 07 j 21:28	2°♎08'54	
conjunction	-7742 Nov 20 j 21:01	5°♎12'31	-0°02'12
minimum elong	-7742 Nov 20 j 21:02	5°♎12'31	0°02'11
behind sun begin	-7742 Nov 20 j 12:53	5°♎07'44	
behind sun end	-7742 Nov 21 j 05:11	5°♎17'19	
max. Earth dist.	-7742 Nov 21 j 11:45	5°♎21'12	6.07652 AU
morning rise	-7742 Dec 03 j 23:54	8°♎17'58	
retrograde	-7741 Apr 14 j 08:32	28°♎12'20	
min. Earth dist.	-7741 Jun 13 j 06:54	23°♎15'44	4.05319 AU
opposition	-7741 Jun 14 j 00:20	23°♎09'56	-0°45'50
direct	-7741 Aug 11 j 12:41	18°♎16'22	
	-7741 Nov 11 j 06:03	0°♏	
evening set	-7741 Dec 13 j 08:30	7°♏17'16	
conjunction	-7741 Dec 26 j 16:25	10°♏25'58	-0°55'12
minimum elong	-7741 Dec 26 j 16:20	10°♏25'55	0°55'30
max. Earth dist.	-7741 Dec 28 j 02:33	10°♏46'08	6.04258 AU
morning rise	-7740 Jan 09 j 03:37	13°♏36'25	
	-7740 Jan 15 j 02:52	15°♏	
	-7740 Mar 31 j 06:06	0°♐	
retrograde	-7740 May 19 j 23:12	3°♐43'03	
	-7740 Jul 08 j 18:39	30°℞♏	
opposition	-7740 Jul 18 j 22:59	28°♏38'13	-1°53'09
min. Earth dist.	-7740 Jul 17 j 22:02	28°♏46'40	4.04774 AU
direct	-7740 Sep 15 j 00:35	23°♏42'09	

Attention, astronomical year style is used: The year -7740 in astronomical counting style is the year 7741 BCE in historical counting style.

	-7740 Nov 18 j 08:37	0°♐	
evening set	-7739 Jan 18 j 02:46	12°♐51'36	
conjunction	-7739 Jan 31 j 16:38	16°♐01'44	-1°28'06
minimum elong	-7739 Jan 31 j 16:35	16°♐01'42	1°28'36
max. Earth dist.	-7739 Feb 02 j 07:47	16°♐24'36	6.06447 AU
morning rise	-7739 Feb 14 j 09:06	19°♐13'03	
	-7739 Apr 05 j 02:54	0°♑	
retrograde	-7739 Jun 24 j 11:50	8°♑57'42	
opposition	-7739 Aug 22 j 23:02	3°♑52'47	-2°18'04
min. Earth dist.	-7739 Aug 21 j 23:19	4°♑00'54	4.09575 AU
	-7739 Sep 24 j 16:38	30°℞♐	
direct	-7739 Oct 20 j 09:27	28°♐53'14	
	-7739 Nov 15 j 08:02	0°♑	
evening set	-7738 Feb 24 j 00:52	17°♑57'20	
conjunction	-7738 Mar 09 j 18:14	21°♑05'50	-1°28'33
minimum elong	-7738 Mar 09 j 18:17	21°♑05'52	1°29'04
max. Earth dist.	-7738 Mar 11 j 01:42	21°♑23'53	6.13377 AU
morning rise	-7738 Mar 23 j 12:00	24°♑14'24	
	-7738 Apr 18 j 11:27	0°♒	
retrograde	-7738 Jul 28 j 12:23	13°♒11'38	
opposition	-7738 Sep 25 j 16:17	8°♒09'09	-1°53'42
min. Earth dist.	-7738 Sep 25 j 02:37	8°♒13'48	4.17897 AU
direct	-7738 Nov 24 j 03:11	3°♒06'38	
	-7737 Feb 28 j 02:14	15°♒	
evening set	-7737 Mar 31 j 23:31	21°♒53'32	
conjunction	-7737 Apr 14 j 16:26	24°♒58'06	-0°58'29
minimum elong	-7737 Apr 14 j 16:31	24°♒58'09	0°58'49
max. Earth dist.	-7737 Apr 15 j 03:47	25°♒04'29	6.22464 AU
morning rise	-7737 Apr 28 j 07:52	28°♒01'45	
	-7737 May 07 j 05:11	0°♓	
retrograde	-7737 Aug 29 j 22:34	16°♓06'31	
opposition	-7737 Oct 28 j 05:28	11°♓07'44	-0°53'09
min. Earth dist.	-7737 Oct 28 j 04:39	11°♓08'00	4.26833 AU
direct	-7737 Dec 27 j 22:11	6°♓03'40	
evening set	-7736 May 04 j 09:00	24°♓29'55	
conjunction	-7736 May 17 j 20:45	27°♓29'05	-0°10'31
minimum elong	-7736 May 17 j 20:47	27°♓29'05	0°10'36
behind sun begin	-7736 May 17 j 14:28	27°♓25'36	
behind sun end	-7736 May 18 j 03:05	27°♓32'34	
max. Earth dist.	-7736 May 17 j 10:31	27°♓23'25	6.30650 AU
	-7736 May 29 j 05:09	0°♈	
morning rise	-7736 May 31 j 05:25	0°♈26'37	
asc. node	-7736 Aug 07 j 04:36	13°♈37'16	
retrograde	-7736 Sep 29 j 11:03	17°♈52'18	
opposition	-7736 Nov 28 j 02:11	12°♈57'16	0°21'26
min. Earth dist.	-7736 Nov 28 j 15:19	12°♈52'57	4.33584 AU
direct	-7735 Jan 28 j 22:28	7°♈53'26	
evening set	-7735 Jun 06 j 05:57	26°♈03'25	
max. Earth dist.	-7735 Jun 18 j 04:24	28°♈41'17	6.35431 AU
conjunction	-7735 Jun 19 j 08:37	28°♈56'53	0°39'37
minimum elong	-7735 Jun 19 j 08:34	28°♈56'51	0°39'49
	-7735 Jun 24 j 02:49	0°♉	
morning rise	-7735 Jul 02 j 07:51	1°♉48'37	
	-7735 Sep 09 j 00:56	15°♉	
retrograde	-7735 Oct 30 j 16:50	18°♉58'13	
	-7735 Dec 22 j 20:11	15°℞♉	
opposition	-7735 Dec 29 j 21:28	14°♉05'47	1°28'20
min. Earth dist.	-7735 Dec 30 j 20:18	13°♉58'25	4.36177 AU
direct	-7734 Mar 02 j 09:13	9°♉03'37	
	-7734 May 07 j 22:43	15°♉	
evening set	-7734 Jul 07 j 23:41	27°♉05'56	
max. Earth dist.	-7734 Jul 19 j 05:28	29°♉35'32	6.35529 AU
conjunction	-7734 Jul 20 j 16:53	29°♉55'15	1°17'47
minimum elong	-7734 Jul 20 j 16:49	29°♉55'12	1°18'13
	-7734 Jul 21 j 01:26	0°♊	
morning rise	-7734 Aug 02 j 07:05	2°♊43'10	
retrograde	-7734 Dec 01 j 11:40	20°♊01'25	
opposition	-7733 Jan 31 j 06:09	15°♊09'56	2°10'02
min. Earth dist.	-7733 Feb 01 j 08:26	15°♊01'35	4.33905 AU
direct	-7733 Apr 03 j 18:18	10°♊10'30	
evening set	-7733 Aug 08 j 04:38	28°♊14'16	
	-7733 Aug 16 j 00:40	0°♋	
max. Earth dist.	-7733 Aug 19 j 04:27	0°♋42'47	6.30935 AU
conjunction	-7733 Aug 20 j 15:35	1°♋02'37	1°33'44
minimum elong	-7733 Aug 20 j 15:35	1°♋02'37	1°34'14
morning rise	-7733 Sep 02 j 01:16	3°♋50'25	
retrograde	-7732 Jan 03 j 11:34	21°♋39'05	
opposition	-7732 Mar 04 j 15:52	16°♋46'36	2°14'28
min. Earth dist.	-7732 Mar 05 j 13:59	16°♋39'35	4.27332 AU
direct	-7732 May 05 j 12:47	11°♋50'08	
evening set	-7732 Sep 07 j 13:51	0°♌03'19	
	-7732 Sep 07 j 08:02	0°♌	
max. Earth dist.	-7732 Sep 19 j 02:29	2°♌41'58	6.22933 AU
conjunction	-7732 Sep 20 j 00:46	2°♌54'47	1°21'58
minimum elong	-7732 Sep 20 j 00:49	2°♌54'49	1°22'27
morning rise	-7732 Oct 02 j 11:55	5°♌46'36	
	-7732 Nov 14 j 06:06	15°♌	
retrograde	-7731 Feb 05 j 23:23	24°♌20'28	
opposition	-7731 Apr 08 j 07:29	19°♌25'19	1°37'11
min. Earth dist.	-7731 Apr 08 j 17:25	19°♌22'08	4.18406 AU
	-7731 May 21 j 15:37	15°℞♌	
direct	-7731 Jun 08 j 00:25	14°♌31'25	
	-7731 Jun 25 j 08:17	15°♌	
	-7731 Sep 26 j 21:10	0°♍	
evening set	-7731 Oct 09 j 22:11	2°♍59'44	
conjunction	-7731 Oct 22 j 14:29	5°♍57'25	0°43'53
minimum elong	-7731 Oct 22 j 14:33	5°♍57'27	0°44'09
max. Earth dist.	-7731 Oct 22 j 10:31	5°♍55'05	6.13953 AU
morning rise	-7731 Nov 04 j 09:05	8°♍56'24	
retrograde	-7730 Mar 13 j 21:52	28°♍18'36	
opposition	-7730 May 14 j 00:15	23°♍19'32	0°25'45
min. Earth dist.	-7730 May 13 j 18:26	23°♍21'26	4.10007 AU
direct	-7730 Jul 12 j 10:03	18°♍26'40	
desc. node	-7730 Sep 14 j 03:16	24°♍32'20	
	-7730 Oct 11 j 23:47	0°♎	
evening set	-7730 Nov 12 j 20:23	7°♎12'57	
conjunction	-7730 Nov 25 j 21:19	10°♎17'27	-0°10'13
minimum elong	-7730 Nov 25 j 21:18	10°♎17'27	0°10'15
behind sun begin	-7730 Nov 25 j 14:48	10°♎13'37	
behind sun end	-7730 Nov 26 j 03:48	10°♎21'16	
max. Earth dist.	-7730 Nov 26 j 16:37	10°♎28'51	6.06965 AU
morning rise	-7730 Dec 09 j 01:25	13°♎23'46	
	-7729 Mar 03 j 04:37	0°♏	
retrograde	-7729 Apr 19 j 14:23	3°♏21'11	
	-7729 Jun 06 j 04:52	30°℞♎	
min. Earth dist.	-7729 Jun 18 j 08:53	28°♎24'44	4.05105 AU
opposition	-7729 Jun 19 j 03:59	28°♎18'22	-0°57'05
direct	-7729 Aug 16 j 13:53	23°♎24'37	
	-7729 Oct 21 j 11:33	0°♏	
evening set	-7729 Dec 18 j 12:22	12°♏26'29	
	-7729 Dec 29 j 09:04	15°♏	
conjunction	-7729 Dec 31 j 21:03	15°♏35'24	-1°01'29
minimum elong	-7729 Dec 31 j 20:58	15°♏35'21	1°01'48
max. Earth dist.	-7728 Jan 02 j 07:54	15°♏55'58	6.04499 AU

Attention, astronomical year style is used: The year -7728 in astronomical counting style is the year 7729 BCE in historical counting style.

morning rise	-7728 Jan 14 j 09:16	18°♏46'06	
	-7728 Mar 05 j 22:17	0°♐	
retrograde	-7728 May 25 j 00:19	8°♐50'30	
opposition	-7728 Jul 23 j 23:18	3°♐45'27	-1°59'33
min. Earth dist.	-7728 Jul 22 j 21:23	3°♐54'15	4.05464 AU
	-7728 Aug 24 j 14:23	30°℞♏	
direct	-7728 Sep 20 j 01:26	28°♏48'55	
	-7728 Oct 16 j 15:02	0°♐	
evening set	-7727 Jan 23 j 07:41	17°♐57'12	
conjunction	-7727 Feb 05 j 22:16	21°♐07'06	-1°30'12
minimum elong	-7727 Feb 05 j 22:14	21°♐07'05	1°30'41
max. Earth dist.	-7727 Feb 07 j 14:16	21°♐30'24	6.07508 AU
morning rise	-7727 Feb 19 j 14:53	24°♐17'59	
	-7727 Mar 16 j 21:39	0°♑	
retrograde	-7727 Jun 29 j 08:57	13°♑55'54	
opposition	-7727 Aug 27 j 18:08	8°♑51'14	-2°17'23
min. Earth dist.	-7727 Aug 26 j 20:19	8°♑58'42	4.10884 AU
direct	-7727 Oct 25 j 07:58	3°♑51'14	
evening set	-7726 Mar 01 j 02:50	22°♑52'25	
conjunction	-7726 Mar 14 j 20:17	26°♑00'21	-1°25'57
minimum elong	-7726 Mar 14 j 20:20	26°♑00'23	1°26'27
max. Earth dist.	-7726 Mar 16 j 00:41	26°♑16'35	6.14809 AU
morning rise	-7726 Mar 28 j 14:02	29°♑08'15	
	-7726 Apr 01 j 09:33	0°♒	
	-7726 Jun 19 j 12:39	15°♒	
retrograde	-7726 Aug 02 j 01:10	17°♒57'21	
	-7726 Sep 14 j 11:53	15°℞♒	
opposition	-7726 Sep 30 j 06:13	12°♒55'21	-1°46'56
min. Earth dist.	-7726 Sep 29 j 17:54	12°♒59'32	4.19304 AU
direct	-7726 Nov 28 j 20:22	7°♒52'32	
	-7725 Feb 08 j 06:40	15°♒	
evening set	-7725 Apr 05 j 20:06	26°♒36'15	
conjunction	-7725 Apr 19 j 12:35	29°♒40'07	-0°52'31
minimum elong	-7725 Apr 19 j 12:39	29°♒40'09	0°52'50
max. Earth dist.	-7725 Apr 19 j 20:12	29°♒44'23	6.23752 AU
	-7725 Apr 21 j 00:01	0°♓	
morning rise	-7725 May 03 j 03:19	2°♓42'57	
retrograde	-7725 Sep 03 j 09:35	20°♓41'26	
opposition	-7725 Nov 01 j 16:24	15°♓43'15	-0°43'07
min. Earth dist.	-7725 Nov 01 j 18:40	15°♓42'29	4.27871 AU
direct	-7724 Jan 01 j 14:07	10°♓39'09	
evening set	-7724 May 09 j 00:34	29°♓03'13	
	-7724 May 13 j 07:33	0°♈	
conjunction	-7724 May 22 j 11:19	2°♈01'41	-0°03'23
minimum elong	-7724 May 22 j 11:19	2°♈01'41	0°03'25
behind sun begin	-7724 May 22 j 03:10	1°♈57'11	
behind sun end	-7724 May 22 j 19:29	2°♈06'11	
max. Earth dist.	-7724 May 21 j 21:38	1°♈54'07	6.31359 AU
morning rise	-7724 Jun 04 j 18:50	4°♈58'28	
asc. node	-7724 Jun 17 j 05:22	7°♈41'13	
retrograde	-7724 Oct 03 j 19:01	22°♈21'21	
opposition	-7724 Dec 02 j 12:22	17°♈26'46	0°31'38
min. Earth dist.	-7724 Dec 03 j 02:56	17°♈22'00	4.33938 AU
direct	-7723 Feb 02 j 10:49	12°♈23'05	
	-7723 Jun 08 j 06:26	0°♉	
evening set	-7723 Jun 10 j 18:06	0°♉32'39	
conjunction	-7723 Jun 23 j 19:27	3°♉25'34	0°45'55
minimum elong	-7723 Jun 23 j 19:24	3°♉25'32	0°46'09
max. Earth dist.	-7723 Jun 22 j 13:59	3°♉09'15	6.35406 AU
morning rise	-7723 Jul 06 j 17:19	6°♉16'46	
	-7723 Aug 17 j 16:45	15°♉	
retrograde	-7723 Nov 04 j 03:50	23°♉27'19	

opposition	-7722 Jan 03 j 09:52	18°♉35'11	1°36'01
min. Earth dist.	-7722 Jan 04 j 09:56	18°♉27'27	4.35796 AU
	-7722 Feb 03 j 14:45	15°℞♉	
direct	-7722 Mar 06 j 22:50	13°♉33'25	
	-7722 Apr 07 j 09:20	15°♉	
	-7722 Jul 05 j 02:20	0°♊	
evening set	-7722 Jul 12 j 10:10	1°♊36'39	
max. Earth dist.	-7722 Jul 23 j 13:21	4°♊05'12	6.34800 AU
conjunction	-7722 Jul 25 j 02:13	4°♊25'46	1°21'31
minimum elong	-7722 Jul 25 j 02:10	4°♊25'44	1°21'58
morning rise	-7722 Aug 06 j 15:39	7°♊13'37	
retrograde	-7722 Dec 06 j 02:50	24°♊36'07	
opposition	-7721 Feb 04 j 22:41	19°♊44'35	2°13'04
min. Earth dist.	-7721 Feb 06 j 00:28	19°♊36'23	4.32905 AU
direct	-7721 Apr 08 j 09:03	14°♊45'34	
	-7721 Jul 30 j 19:16	0°♋	
evening set	-7721 Aug 12 j 15:38	2°♋51'10	
max. Earth dist.	-7721 Aug 23 j 18:08	5°♋21'35	6.29753 AU
conjunction	-7721 Aug 25 j 02:21	5°♋39'50	1°33'44
minimum elong	-7721 Aug 25 j 02:21	5°♋39'50	1°34'15
morning rise	-7721 Sep 06 j 11:43	8°♋28'00	
retrograde	-7720 Jan 08 j 07:43	26°♋22'53	
opposition	-7720 Mar 09 j 13:05	21°♋30'10	2°11'36
min. Earth dist.	-7720 Mar 10 j 09:27	21°♋23'42	4.26055 AU
direct	-7720 May 10 j 06:21	16°♋34'09	
	-7720 Aug 21 j 14:21	0°♌	
evening set	-7720 Sep 12 j 03:32	4°♌49'19	
conjunction	-7720 Sep 24 j 14:46	7°♌41'29	1°17'57
minimum elong	-7720 Sep 24 j 14:50	7°♌41'31	1°18'23
max. Earth dist.	-7720 Sep 23 j 18:09	7°♌29'36	6.21672 AU
morning rise	-7720 Oct 07 j 02:48	10°♌34'11	
	-7720 Oct 26 j 19:18	15°♌	
retrograde	-7719 Feb 11 j 00:59	29°♌14'43	
opposition	-7719 Apr 13 j 08:45	24°♌18'58	1°28'38
min. Earth dist.	-7719 Apr 13 j 16:00	24°♌16'38	4.17235 AU
direct	-7719 Jun 12 j 21:22	19°♌25'16	
	-7719 Sep 09 j 01:15	0°♍	
evening set	-7719 Oct 14 j 15:50	7°♍55'21	
conjunction	-7719 Oct 27 j 09:22	10°♍53'56	0°36'46
minimum elong	-7719 Oct 27 j 09:25	10°♍53'58	0°37'00
max. Earth dist.	-7719 Oct 27 j 10:08	10°♍54'23	6.12989 AU
morning rise	-7719 Nov 09 j 05:06	13°♍53'54	
	-7718 Jan 30 j 09:02	0°♎	
retrograde	-7718 Mar 19 j 02:20	3°♎21'10	
	-7718 May 06 j 08:08	30°℞♍	
opposition	-7718 May 19 j 03:26	28°♍21'31	0°13'57
min. Earth dist.	-7718 May 18 j 19:40	28°♍24'03	4.09319 AU
direct	-7718 Jul 17 j 09:44	23°♍28'40	
desc. node	-7718 Jul 24 j 07:20	23°♍33'25	
	-7718 Sep 21 j 10:32	0°♎	
evening set	-7718 Nov 17 j 19:19	12°♎16'15	
conjunction	-7718 Nov 30 j 21:12	15°♎21'21	-0°18'07
minimum elong	-7718 Nov 30 j 21:10	15°♎21'20	0°18'13
max. Earth dist.	-7718 Dec 01 j 17:56	15°♎33'37	6.06590 AU
morning rise	-7718 Dec 14 j 02:38	18°♎28'22	
	-7717 Feb 05 j 04:48	0°♏	
retrograde	-7717 Apr 24 j 17:01	8°♏27'30	
min. Earth dist.	-7717 Jun 23 j 08:47	3°♏31'17	4.05094 AU
opposition	-7717 Jun 24 j 05:55	3°♏24'13	-1°07'50
	-7717 Jul 22 j 11:59	30°℞♎	
direct	-7717 Aug 21 j 13:52	28°♎30'07	
	-7717 Sep 20 j 13:55	0°♏	

Attention, astronomical year style is used: The year -7717 in astronomical counting style is the year 7718 BCE in historical counting style.

	-7717 Dec 12 j 16:46	15°♏	
evening set	-7717 Dec 23 j 15:18	17°♏32'33	
conjunction	-7716 Jan 06 j 01:02	20°♏41'42	-1°07'15
minimum elong	-7716 Jan 06 j 00:56	20°♏41'39	1°07'37
max. Earth dist.	-7716 Jan 07 j 14:18	21°♏03'40	6.04842 AU
morning rise	-7716 Jan 19 j 13:50	23°♏52'29	
	-7716 Feb 15 j 12:16	0°♐	
retrograde	-7716 May 30 j 02:00	13°♐54'11	
opposition	-7716 Jul 28 j 21:55	8°♐49'03	-2°05'02
min. Earth dist.	-7716 Jul 27 j 21:01	8°♐57'31	4.06144 AU
direct	-7716 Sep 25 j 01:23	3°♐52'02	
evening set	-7715 Jan 28 j 11:39	22°♐59'27	
conjunction	-7715 Feb 11 j 02:41	26°♐09'08	-1°31'38
minimum elong	-7715 Feb 11 j 02:40	26°♐09'07	1°32'08
max. Earth dist.	-7715 Feb 12 j 17:11	26°♐31'30	6.08443 AU
morning rise	-7715 Feb 24 j 19:45	29°♐19'43	
	-7715 Feb 27 j 17:48	0°♑	
retrograde	-7715 Jul 04 j 02:52	18°♑51'22	
opposition	-7715 Sep 01 j 12:07	13°♑46'57	-2°15'49
min. Earth dist.	-7715 Aug 31 j 14:42	13°♑54'17	4.11999 AU
direct	-7715 Oct 30 j 03:51	8°♑46'29	
evening set	-7714 Mar 06 j 04:11	27°♑45'35	
	-7714 Mar 16 j 00:42	0°♒	
conjunction	-7714 Mar 19 j 21:43	0°♒53'03	-1°22'47
minimum elong	-7714 Mar 19 j 21:48	0°♒53'05	1°23'15
max. Earth dist.	-7714 Mar 20 j 22:50	1°♒07'21	6.16017 AU
morning rise	-7714 Apr 02 j 15:18	4°♒00'20	
	-7714 May 25 j 00:50	15°♒	
retrograde	-7714 Aug 06 j 16:17	22°♒42'16	
opposition	-7714 Oct 04 j 20:15	17°♒40'47	-1°39'32
min. Earth dist.	-7714 Oct 04 j 10:54	17°♒43'57	4.20475 AU
	-7714 Oct 25 j 17:37	15°℞♒	
direct	-7714 Dec 03 j 15:50	12°♒37'40	
	-7713 Jan 12 j 00:09	15°♒	
	-7713 Apr 04 j 18:24	0°♓	
evening set	-7713 Apr 10 j 16:57	1°♓18'57	
conjunction	-7713 Apr 24 j 09:03	4°♓22'13	-0°46'13
minimum elong	-7713 Apr 24 j 09:07	4°♓22'15	0°46'30
max. Earth dist.	-7713 Apr 24 j 14:04	4°♓25'01	6.24808 AU
morning rise	-7713 May 07 j 22:59	7°♓24'18	
retrograde	-7713 Sep 07 j 19:16	25°♓17'13	
opposition	-7713 Nov 06 j 03:50	20°♓19'35	-0°32'46
min. Earth dist.	-7713 Nov 06 j 07:17	20°♓18'26	4.28733 AU
direct	-7712 Jan 06 j 04:23	15°♓15'26	
asc. node	-7712 Apr 26 j 08:33	29°♓52'31	
	-7712 Apr 26 j 22:39	0°♈	
evening set	-7712 May 13 j 16:54	3°♈37'52	
max. Earth dist.	-7712 May 26 j 09:28	6°♈26'12	6.31967 AU
conjunction	-7712 May 27 j 02:28	6°♈35'37	0°04'01
minimum elong	-7712 May 27 j 02:27	6°♈35'36	0°04'01
behind sun begin	-7712 May 26 j 18:22	6°♈31'09	
behind sun end	-7712 May 27 j 10:31	6°♈40'03	
morning rise	-7712 Jun 09 j 08:49	9°♈31'40	
retrograde	-7712 Oct 08 j 06:16	26°♈52'08	
opposition	-7712 Dec 07 j 00:01	21°♈58'02	0°41'48
min. Earth dist.	-7712 Dec 07 j 16:57	21°♈52'30	4.34257 AU
direct	-7711 Feb 07 j 02:01	16°♈54'34	
	-7711 May 22 j 16:19	0°♉	
evening set	-7711 Jun 15 j 06:46	5°♉03'31	
max. Earth dist.	-7711 Jun 26 j 23:58	7°♉38'47	6.35399 AU
conjunction	-7711 Jun 28 j 06:51	7°♉55'53	0°52'03
minimum elong	-7711 Jun 28 j 06:47	7°♉55'51	0°52'19
morning rise	-7711 Jul 11 j 03:25	10°♉46'33	
	-7711 Jul 30 j 16:16	15°♉	
retrograde	-7711 Nov 08 j 14:59	27°♉58'05	
opposition	-7710 Jan 07 j 23:25	23°♉06'10	1°43'15
min. Earth dist.	-7710 Jan 08 j 23:15	22°♉58'31	4.35510 AU
direct	-7710 Mar 11 j 11:51	18°♉04'47	
	-7710 Jun 18 j 05:37	0°♊	
evening set	-7710 Jul 16 j 21:11	6°♊08'27	
max. Earth dist.	-7710 Jul 28 j 00:29	8°♊37'20	6.34264 AU
conjunction	-7710 Jul 29 j 12:12	8°♊57'18	1°24'50
minimum elong	-7710 Jul 29 j 12:08	8°♊57'16	1°25'17
morning rise	-7710 Aug 11 j 00:39	11°♊44'58	
retrograde	-7710 Dec 10 j 18:44	29°♊11'04	
opposition	-7709 Feb 09 j 15:40	24°♊19'33	2°15'21
min. Earth dist.	-7709 Feb 10 j 17:16	24°♊11'26	4.32173 AU
direct	-7709 Apr 13 j 00:55	19°♊21'02	
	-7709 Jul 13 j 11:12	0°♋	
evening set	-7709 Aug 17 j 02:27	7°♋27'25	
max. Earth dist.	-7709 Aug 28 j 05:06	9°♋58'18	6.28879 AU
conjunction	-7709 Aug 29 j 12:47	10°♋16'17	1°33'12
minimum elong	-7709 Aug 29 j 12:47	10°♋16'17	1°33'44
morning rise	-7709 Sep 10 j 22:15	13°♋04'50	
	-7709 Dec 17 j 11:55	0°♌	
retrograde	-7708 Jan 13 j 03:26	1°♌05'00	
	-7708 Feb 08 j 21:43	30°℞♋	
opposition	-7708 Mar 14 j 09:50	26°♋11'54	2°07'54
min. Earth dist.	-7708 Mar 15 j 03:50	26°♋06'11	4.25098 AU
direct	-7708 May 14 j 23:05	21°♋16'18	
	-7708 Aug 03 j 06:15	0°♌	
evening set	-7708 Sep 16 j 15:55	9°♌32'23	
max. Earth dist.	-7708 Sep 28 j 11:26	12°♌15'44	6.20730 AU
conjunction	-7708 Sep 29 j 03:49	12°♌25'12	1°13'29
minimum elong	-7708 Sep 29 j 03:53	12°♌25'15	1°13'54
	-7708 Oct 10 j 08:03	15°♌	
morning rise	-7708 Oct 11 j 16:29	15°♌18'38	
	-7708 Dec 24 j 21:32	0°♍	
retrograde	-7707 Feb 16 j 01:00	4°♍04'46	
	-7707 Apr 11 j 15:14	30°℞♌	
opposition	-7707 Apr 18 j 08:21	29°♌08'32	1°19'35
min. Earth dist.	-7707 Apr 18 j 13:59	29°♌06'43	4.16356 AU
direct	-7707 Jun 17 j 17:18	24°♌15'06	
	-7707 Aug 19 j 05:14	0°♍	
evening set	-7707 Oct 19 j 08:03	12°♍46'15	
conjunction	-7707 Nov 01 j 02:28	15°♍45'36	0°29'31
minimum elong	-7707 Nov 01 j 02:31	15°♍45'37	0°29'43
max. Earth dist.	-7707 Nov 01 j 04:49	15°♍46'58	6.12250 AU
morning rise	-7707 Nov 13 j 23:37	18°♍46'29	
	-7706 Jan 05 j 00:46	0°♎	
retrograde	-7706 Mar 24 j 02:22	8°♎18'04	
opposition	-7706 May 24 j 03:41	3°♎17'51	0°02'17
min. Earth dist.	-7706 May 23 j 17:11	3°♎21'18	4.08778 AU
desc. node	-7706 Jun 03 j 22:09	1°♎54'22	
	-7706 Jun 20 j 20:20	30°℞♍	
direct	-7706 Jul 22 j 06:12	28°♍24'55	
	-7706 Aug 22 j 10:30	0°♎	
evening set	-7706 Nov 22 j 16:07	17°♎13'49	
conjunction	-7706 Dec 05 j 19:15	20°♎19'34	-0°25'45
minimum elong	-7706 Dec 05 j 19:13	20°♎19'33	0°25'52
max. Earth dist.	-7706 Dec 06 j 19:29	20°♎33'52	6.06293 AU
morning rise	-7706 Dec 19 j 01:41	23°♎27'10	
	-7705 Jan 16 j 20:41	0°♏	

Attention, astronomical year style is used: The year -7705 in astronomical counting style is the year 7706 BCE in historical counting style.

retrograde	-7705 Apr 29 j 19:35	13°♏27'49	
min. Earth dist.	-7705 Jun 28 j 08:10	8°♏31'13	4.05075 AU
opposition	-7705 Jun 29 j 05:10	8°♏24'11	-1°17'50
direct	-7705 Aug 26 j 12:23	3°♏29'46	
	-7705 Nov 25 j 04:59	15°♏	
evening set	-7705 Dec 28 j 16:07	22°♏33'09	
conjunction	-7704 Jan 11 j 02:36	25°♏42'31	-1°12'24
minimum elong	-7704 Jan 11 j 02:31	25°♏42'28	1°12'48
max. Earth dist.	-7704 Jan 12 j 15:46	26°♏04'22	6.05077 AU
morning rise	-7704 Jan 24 j 16:18	28°♏53'30	
	-7704 Jan 29 j 10:40	0°♐	
retrograde	-7704 Jun 03 j 23:01	18°♐52'59	
opposition	-7704 Aug 02 j 18:03	13°♐47'49	-2°09'30
min. Earth dist.	-7704 Aug 01 j 16:40	13°♐56'28	4.06638 AU
direct	-7704 Sep 29 j 20:58	8°♐50'22	
evening set	-7703 Feb 02 j 13:55	27°♐57'51	
	-7703 Feb 11 j 09:10	0°♑	
conjunction	-7703 Feb 16 j 05:30	1°♑07'28	-1°32'22
minimum elong	-7703 Feb 16 j 05:29	1°♑07'28	1°32'53
max. Earth dist.	-7703 Feb 17 j 18:01	1°♑28'39	6.09144 AU
morning rise	-7703 Mar 01 j 22:52	4°♑17'50	
retrograde	-7703 Jul 08 j 21:30	23°♑44'18	
min. Earth dist.	-7703 Sep 05 j 09:40	18°♑46'44	4.12830 AU
opposition	-7703 Sep 06 j 04:46	18°♑40'12	-2°13'21
direct	-7703 Nov 04 j 00:25	13°♑39'17	
	-7702 Feb 27 j 11:54	0°♒	
evening set	-7702 Mar 11 j 04:36	2°♒37'20	
conjunction	-7702 Mar 24 j 22:25	5°♒44'31	-1°19'04
minimum elong	-7702 Mar 24 j 22:29	5°♒44'34	1°19'31
max. Earth dist.	-7702 Mar 25 j 21:59	5°♒57'56	6.16936 AU
morning rise	-7702 Apr 07 j 15:46	8°♒51'21	
	-7702 May 05 j 16:07	15°♒	
retrograde	-7702 Aug 11 j 05:50	27°♒27'09	
opposition	-7702 Oct 09 j 09:55	22°♒26'11	-1°31'31
min. Earth dist.	-7702 Oct 09 j 01:28	22°♒29'03	4.21397 AU
direct	-7702 Dec 08 j 08:18	17°♒22'51	
	-7701 Mar 18 j 14:12	0°♓	
evening set	-7701 Apr 15 j 13:38	6°♓02'27	
conjunction	-7701 Apr 29 j 05:03	9°♓05'08	-0°39'37
minimum elong	-7701 Apr 29 j 05:06	9°♓05'10	0°39'51
max. Earth dist.	-7701 Apr 29 j 05:59	9°♓05'40	6.25683 AU
morning rise	-7701 May 12 j 18:22	12°♓06'35	
retrograde	-7701 Sep 12 j 07:47	29°♓54'42	
opposition	-7701 Nov 10 j 16:11	24°♓57'34	-0°22'12
min. Earth dist.	-7701 Nov 10 j 22:10	24°♓55'35	4.29483 AU
direct	-7700 Jan 10 j 21:29	19°♓53'23	
asc. node	-7700 Mar 05 j 09:31	24°♓05'47	
	-7700 Apr 09 j 00:47	0°♈	
evening set	-7700 May 18 j 09:11	8°♈14'06	
conjunction	-7700 May 31 j 17:42	11°♈11'09	0°11'16
minimum elong	-7700 May 31 j 17:42	11°♈11'09	0°11'18
behind sun begin	-7700 May 31 j 11:45	11°♈07'52	
behind sun end	-7700 May 31 j 23:38	11°♈14'25	
max. Earth dist.	-7700 May 30 j 23:52	11°♈01'17	6.32548 AU
morning rise	-7700 Jun 13 j 22:40	14°♈06'26	
	-7700 Sep 12 j 19:33	0°♉	
retrograde	-7700 Oct 12 j 15:40	1°♉24'29	
	-7700 Nov 11 j 13:42	30°℞♈	
opposition	-7700 Dec 11 j 12:06	26°♈30'43	0°51'44
min. Earth dist.	-7700 Dec 12 j 05:07	26°♈25'10	4.34644 AU
direct	-7699 Feb 11 j 15:10	21°♈27'27	
	-7699 May 04 j 04:00	0°♉	

evening set	-7699 Jun 19 j 19:28	9°♉35'09	
max. Earth dist.	-7699 Jul 01 j 09:42	12°♉08'54	6.35547 AU
conjunction	-7699 Jul 02 j 18:02	12°♉26'49	0°57'53
minimum elong	-7699 Jul 02 j 17:57	12°♉26'47	0°58'11
	-7699 Jul 14 j 06:45	15°♉	
morning rise	-7699 Jul 15 j 13:21	15°♉16'52	
	-7699 Oct 03 j 18:13	0°♊	
retrograde	-7699 Nov 13 j 03:51	2°♊28'46	
	-7699 Dec 24 j 01:11	30°℞♉	
opposition	-7698 Jan 12 j 13:11	27°♉36'57	1°49'52
min. Earth dist.	-7698 Jan 13 j 14:18	27°♉28'55	4.35404 AU
direct	-7698 Mar 16 j 03:08	22°♉35'53	
	-7698 May 30 j 03:26	0°♊	
evening set	-7698 Jul 21 j 07:06	10°♊38'53	
max. Earth dist.	-7698 Aug 01 j 09:27	13°♊07'28	6.33872 AU
conjunction	-7698 Aug 02 j 21:11	13°♊27'28	1°27'38
minimum elong	-7698 Aug 02 j 21:08	13°♊27'26	1°28'06
morning rise	-7698 Aug 15 j 08:51	16°♊14'57	
	-7698 Oct 25 j 21:58	0°♋	
retrograde	-7698 Dec 15 j 08:32	3°♋44'12	
	-7697 Feb 05 j 09:20	30°℞♊	
opposition	-7697 Feb 14 j 08:03	28°♊52'29	2°16'48
min. Earth dist.	-7697 Feb 15 j 08:13	28°♊44'48	4.31516 AU
direct	-7697 Apr 17 j 14:25	23°♊54'19	
	-7697 Jun 23 j 08:03	0°♋	
evening set	-7697 Aug 21 j 12:02	12°♋01'05	
conjunction	-7697 Sep 02 j 22:12	14°♋50'12	1°32'07
minimum elong	-7697 Sep 02 j 22:13	14°♋50'13	1°32'37
max. Earth dist.	-7697 Sep 01 j 16:47	14°♋33'28	6.27997 AU
morning rise	-7697 Sep 15 j 07:37	17°♋39'06	
	-7697 Nov 15 j 01:53	0°♌	
retrograde	-7696 Jan 17 j 23:18	5°♌44'40	
opposition	-7696 Mar 19 j 05:43	0°♌51'13	2°03'27
min. Earth dist.	-7696 Mar 19 j 23:18	0°♌45'37	4.24021 AU
	-7696 Mar 25 j 23:31	30°℞♋	
direct	-7696 May 19 j 16:33	25°♋55'56	
	-7696 Jul 11 j 10:03	0°♌	
evening set	-7696 Sep 21 j 03:52	14°♌13'30	
	-7696 Sep 24 j 12:37	15°♌	
conjunction	-7696 Oct 03 j 16:21	17°♌07'05	1°08'35
minimum elong	-7696 Oct 03 j 16:25	17°♌07'08	1°08'58
max. Earth dist.	-7696 Oct 03 j 00:59	16°♌58'12	6.19552 AU
morning rise	-7696 Oct 16 j 06:05	20°♌01'28	
	-7696 Dec 01 j 12:52	0°♍	
retrograde	-7695 Feb 20 j 23:24	8°♍54'05	
opposition	-7695 Apr 23 j 07:25	3°♍57'17	1°10'02
min. Earth dist.	-7695 Apr 23 j 10:14	3°♍56'22	4.15154 AU
	-7695 May 29 j 05:25	30°℞♌	
direct	-7695 Jun 22 j 11:20	29°♌03'59	
	-7695 Jul 16 j 15:34	0°♍	
evening set	-7695 Oct 24 j 00:46	17°♍37'40	
conjunction	-7695 Nov 05 j 20:29	20°♍38'02	0°22'03
minimum elong	-7695 Nov 05 j 20:31	20°♍38'03	0°22'11
max. Earth dist.	-7695 Nov 06 j 02:39	20°♍41'39	6.11141 AU
morning rise	-7695 Nov 18 j 18:50	23°♍39'58	
	-7695 Dec 16 j 18:03	0°♎	
retrograde	-7694 Mar 29 j 07:03	13°♎17'22	
desc. node	-7694 Apr 14 j 05:39	12°♎53'08	
opposition	-7694 May 29 j 05:08	8°♎16'37	-0°09'31
min. Earth dist.	-7694 May 28 j 17:54	8°♎20'18	4.07845 AU
direct	-7694 Jul 27 j 05:00	3°♎23'34	
evening set	-7694 Nov 27 j 15:18	22°♎15'25	

Attention, astronomical year style is used: The year -7694 in astronomical counting style is the year 7695 BCE in historical counting style.

conjunction	-7694 Dec 10 j 19:30	25°♎21'57	-0°33'18
minimum elong	-7694 Dec 10 j 19:27	25°♎21'55	0°33'28
max. Earth dist.	-7694 Dec 11 j 21:15	25°♎37'09	6.05610 AU
morning rise	-7694 Dec 24 j 03:17	28°♎30'23	
	-7694 Dec 30 j 12:50	0°♏	
	-7693 Mar 17 j 03:56	15°♏	
retrograde	-7693 May 04 j 22:36	18°♏33'43	
	-7693 Jun 22 j 21:55	15°℞♏	
min. Earth dist.	-7693 Jul 03 j 07:33	13°♏37'27	4.04739 AU
opposition	-7693 Jul 04 j 06:24	13°♏29'46	-1°27'30
direct	-7693 Aug 31 j 10:24	8°♏35'01	
	-7693 Nov 04 j 08:49	15°♏	
evening set	-7692 Jan 02 j 20:43	27°♏40'47	
	-7692 Jan 12 j 18:11	0°♐	
conjunction	-7692 Jan 16 j 08:06	0°♐50'31	-1°17'09
minimum elong	-7692 Jan 16 j 08:01	0°♐50'28	1°17'34
max. Earth dist.	-7692 Jan 17 j 21:46	1°♐12'39	6.05096 AU
morning rise	-7692 Jan 29 j 22:31	4°♐01'45	
retrograde	-7692 Jun 09 j 00:43	23°♐59'28	
opposition	-7692 Aug 07 j 17:16	18°♐54'19	-2°13'09
min. Earth dist.	-7692 Aug 06 j 16:45	19°♐02'41	4.07019 AU
direct	-7692 Oct 04 j 21:57	13°♐56'23	
	-7691 Jan 25 j 08:30	0°♑	
evening set	-7691 Feb 07 j 20:07	3°♑04'22	
conjunction	-7691 Feb 21 j 12:22	6°♑13'56	-1°32'27
minimum elong	-7691 Feb 21 j 12:23	6°♑13'57	1°32'59
max. Earth dist.	-7691 Feb 23 j 01:14	6°♑35'16	6.09869 AU
morning rise	-7691 Mar 07 j 05:57	9°♑24'05	
retrograde	-7691 Jul 13 j 18:42	28°♑44'44	
min. Earth dist.	-7691 Sep 10 j 05:48	23°♑47'30	4.13852 AU
opposition	-7691 Sep 11 j 00:36	23°♑41'04	-2°09'51
direct	-7691 Nov 08 j 22:39	18°♑39'52	
	-7690 Feb 09 j 08:36	0°♒	
evening set	-7690 Mar 16 j 08:22	7°♒36'00	
conjunction	-7690 Mar 30 j 01:59	10°♒42'38	-1°14'43
minimum elong	-7690 Mar 30 j 02:03	10°♒42'41	1°15'09
max. Earth dist.	-7690 Mar 30 j 22:11	10°♒54'06	6.18202 AU
morning rise	-7690 Apr 12 j 19:09	13°♒48'49	
	-7690 Apr 18 j 02:06	15°♒	
	-7690 Jul 08 j 21:20	0°♓	
retrograde	-7690 Aug 15 j 21:47	2°♓17'06	
	-7690 Sep 22 j 17:28	30°℞♒	
opposition	-7690 Oct 14 j 01:59	27°♒16'40	-1°22'46
min. Earth dist.	-7690 Oct 13 j 19:22	27°♒18'54	4.22802 AU
direct	-7690 Dec 13 j 05:39	22°♒13'08	
	-7689 Feb 26 j 20:47	0°♓	
evening set	-7689 Apr 20 j 11:44	10°♓49'07	
conjunction	-7689 May 04 j 02:31	13°♓50'54	-0°32'43
minimum elong	-7689 May 04 j 02:34	13°♓50'56	0°32'54
max. Earth dist.	-7689 May 04 j 02:46	13°♓51'02	6.27161 AU
morning rise	-7689 May 17 j 14:37	16°♓51'18	
	-7689 Jul 23 j 16:45	0°♈	
retrograde	-7689 Sep 16 j 18:11	4°♈32'27	
	-7689 Nov 12 j 03:49	30°℞♓	
opposition	-7689 Nov 15 j 04:42	29°♓35'53	-0°11'32
min. Earth dist.	-7689 Nov 15 j 11:20	29°♓33'41	4.30916 AU
asc. node	-7688 Jan 14 j 05:51	24°♓31'58	
direct	-7688 Jan 15 j 13:08	24°♓31'48	
	-7688 Mar 18 j 16:02	0°♈	
evening set	-7688 May 23 j 00:43	12°♈48'23	
max. Earth dist.	-7688 Jun 04 j 10:26	15°♈32'35	6.33819 AU
conjunction	-7688 Jun 05 j 07:41	15°♈44'20	0°18'21
minimum elong	-7688 Jun 05 j 07:39	15°♈44'18	0°18'25
morning rise	-7688 Jun 18 j 11:22	18°♈38'31	
	-7688 Aug 14 j 06:43	0°♉	
retrograde	-7688 Oct 17 j 01:00	5°♉52'13	
opposition	-7688 Dec 15 j 22:47	0°♉58'48	1°01'04
min. Earth dist.	-7688 Dec 16 j 17:57	0°♉52'34	4.35667 AU
	-7688 Dec 23 j 12:52	30°℞♈	
direct	-7687 Feb 16 j 05:40	25°♈55'45	
	-7687 Apr 11 j 09:44	0°♉	
evening set	-7687 Jun 24 j 04:50	14°♉00'05	
	-7687 Jun 28 j 17:41	15°♉	
max. Earth dist.	-7687 Jul 05 j 17:29	16°♉32'48	6.36221 AU
conjunction	-7687 Jul 07 j 02:07	16°♉50'53	1°03'10
minimum elong	-7687 Jul 07 j 02:03	16°♉50'51	1°03'30
morning rise	-7687 Jul 19 j 19:56	19°♉40'05	
	-7687 Sep 08 j 14:40	0°♊	
retrograde	-7687 Nov 17 j 10:29	6°♊51'03	
opposition	-7686 Jan 16 j 23:24	1°♊59'22	1°55'32
min. Earth dist.	-7686 Jan 18 j 00:24	1°♊51'22	4.35699 AU
	-7686 Feb 01 j 23:53	30°℞♉	
direct	-7686 Mar 20 j 12:42	26°♉58'39	
	-7686 May 05 j 18:35	0°♊	
evening set	-7686 Jul 25 j 13:05	15°♊00'00	
max. Earth dist.	-7686 Aug 05 j 13:28	17°♊27'39	6.33741 AU
conjunction	-7686 Aug 07 j 02:06	17°♊48'11	1°29'48
minimum elong	-7686 Aug 07 j 02:04	17°♊48'09	1°30'17
morning rise	-7686 Aug 19 j 13:05	20°♊35'25	
	-7686 Oct 03 j 14:46	0°♋	
retrograde	-7686 Dec 19 j 20:13	8°♋07'18	
opposition	-7685 Feb 18 j 20:06	3°♋15'30	2°17'22
min. Earth dist.	-7685 Feb 19 j 21:32	3°♋07'26	4.30955 AU
	-7685 Mar 18 j 22:10	30°℞♊	
direct	-7685 Apr 22 j 02:12	28°♊17'40	
	-7685 May 26 j 01:00	0°♋	
evening set	-7685 Aug 25 j 17:21	16°♋24'54	
max. Earth dist.	-7685 Sep 05 j 22:08	18°♋57'38	6.27046 AU
conjunction	-7685 Sep 07 j 03:31	19°♋14'23	1°30'31
minimum elong	-7685 Sep 07 j 03:33	19°♋14'24	1°31'01
morning rise	-7685 Sep 19 j 13:11	22°♋03'47	
	-7685 Oct 26 j 05:16	0°♌	
retrograde	-7684 Jan 22 j 13:06	10°♌15'14	
opposition	-7684 Mar 23 j 21:16	5°♌21'25	1°58'25
min. Earth dist.	-7684 Mar 24 j 13:08	5°♌16'22	4.22737 AU
direct	-7684 May 24 j 03:18	0°♌26'26	
	-7684 Sep 08 j 20:46	15°♌	
evening set	-7684 Sep 25 j 12:20	18°♌46'41	
conjunction	-7684 Oct 08 j 01:38	21°♌41'15	1°03'25
minimum elong	-7684 Oct 08 j 01:42	21°♌41'17	1°03'47
max. Earth dist.	-7684 Oct 07 j 12:32	21°♌33'38	6.18060 AU
morning rise	-7684 Oct 20 j 16:18	24°♌36'43	
	-7684 Nov 13 j 14:19	0°♍	
retrograde	-7683 Feb 25 j 21:59	13°♍37'16	
opposition	-7683 Apr 28 j 03:35	8°♍40'00	1°00'19
min. Earth dist.	-7683 Apr 28 j 05:58	8°♍39'15	4.13545 AU
direct	-7683 Jun 27 j 04:10	3°♍46'48	
evening set	-7683 Oct 28 j 15:54	22°♍24'54	
conjunction	-7683 Nov 10 j 12:50	25°♍26'30	0°14'38
minimum elong	-7683 Nov 10 j 12:51	25°♍26'31	0°14'44
behind sun begin	-7683 Nov 10 j 09:22	25°♍24'29	
behind sun end	-7683 Nov 10 j 16:20	25°♍28'33	
max. Earth dist.	-7683 Nov 10 j 20:48	25°♍31'11	6.09581 AU
morning rise	-7683 Nov 23 j 12:43	28°♍29'47	

Attention, astronomical year style is used: The year -7683 in astronomical counting style is the year 7684 BCE in historical counting style.

	-7683 Nov 29 j 23:43	0°♎	
desc. node	-7682 Feb 23 j 15:16	15°♎58'23	
retrograde	-7682 Apr 03 j 08:37	18°♎14'32	
opposition	-7682 Jun 03 j 04:44	13°♎13'18	-0°21'03
min. Earth dist.	-7682 Jun 02 j 14:58	13°♎17'50	4.06499 AU
direct	-7682 Jul 31 j 23:12	8°♎20'08	
evening set	-7682 Dec 02 j 14:32	27°♎16'48	
	-7682 Dec 14 j 02:55	0°♏	
conjunction	-7682 Dec 15 j 20:01	0°♏24'19	-0°40'30
minimum elong	-7682 Dec 15 j 19:57	0°♏24'17	0°40'43
max. Earth dist.	-7682 Dec 17 j 00:12	0°♏41'00	6.04598 AU
morning rise	-7682 Dec 29 j 05:00	3°♏33'44	
	-7681 Feb 19 j 16:13	15°♏	
retrograde	-7681 May 10 j 02:36	23°♏40'47	
min. Earth dist.	-7681 Jul 08 j 08:03	18°♏44'22	4.04177 AU
opposition	-7681 Jul 09 j 07:33	18°♏36'26	-1°36'24
	-7681 Aug 08 j 11:42	15°℞♏	
direct	-7681 Sep 05 j 10:36	13°♏41'17	
	-7681 Oct 03 j 09:13	15°♏	
	-7681 Dec 26 j 20:08	0°♐	
evening set	-7680 Jan 08 j 01:56	2°♐50'04	
conjunction	-7680 Jan 21 j 14:21	6°♐00'14	-1°21'14
minimum elong	-7680 Jan 21 j 14:17	6°♐00'11	1°21'40
max. Earth dist.	-7680 Jan 23 j 06:39	6°♐23'54	6.05031 AU
morning rise	-7680 Feb 04 j 05:29	9°♐11'46	
retrograde	-7680 Jun 14 j 02:39	29°♐07'15	
opposition	-7680 Aug 12 j 16:39	24°♐02'06	-2°15'42
min. Earth dist.	-7680 Aug 11 j 15:38	24°♐10'38	4.07471 AU
direct	-7680 Oct 09 j 22:00	19°♐03'41	
	-7679 Jan 06 j 23:11	0°♑	
evening set	-7679 Feb 13 j 02:44	8°♑11'23	
conjunction	-7679 Feb 26 j 19:17	11°♑20'42	-1°31'48
minimum elong	-7679 Feb 26 j 19:18	11°♑20'43	1°32'18
max. Earth dist.	-7679 Feb 28 j 06:02	11°♑40'46	6.10762 AU
morning rise	-7679 Mar 12 j 13:12	14°♑30'31	
	-7679 May 30 j 05:30	0°♒	
retrograde	-7679 Jul 18 j 14:08	3°♒44'14	
	-7679 Sep 06 j 01:11	30°℞♑	
opposition	-7679 Sep 15 j 19:50	28°♑40'47	-2°05'23
min. Earth dist.	-7679 Sep 15 j 02:06	28°♑46'50	4.15055 AU
direct	-7679 Nov 13 j 22:05	23°♑39'03	
	-7678 Jan 19 j 05:02	0°♒	
evening set	-7678 Mar 21 j 11:02	12°♒32'14	
	-7678 Apr 01 j 09:03	15°♒	
conjunction	-7678 Apr 04 j 04:41	15°♒38'16	-1°09'51
minimum elong	-7678 Apr 04 j 04:46	15°♒38'18	1°10'15
max. Earth dist.	-7678 Apr 04 j 23:46	15°♒49'03	6.19609 AU
morning rise	-7678 Apr 17 j 21:15	18°♒43'36	
	-7678 Jun 11 j 08:56	0°♓	
retrograde	-7678 Aug 20 j 12:22	7°♓03'47	
opposition	-7678 Oct 18 j 16:58	2°♓03'50	-1°13'31
min. Earth dist.	-7678 Oct 18 j 11:57	2°♓05'31	4.24226 AU
	-7678 Nov 03 j 12:06	30°℞♒	
direct	-7678 Dec 18 j 00:37	27°♒00'07	
	-7677 Jan 31 j 23:27	0°♓	
evening set	-7677 Apr 25 j 08:21	15°♓32'19	
conjunction	-7677 May 08 j 22:09	18°♓33'12	-0°25'38
minimum elong	-7677 May 08 j 22:11	18°♓33'13	0°25'47
max. Earth dist.	-7677 May 08 j 18:00	18°♓30'54	6.28468 AU
morning rise	-7677 May 22 j 09:23	21°♓32'39	
	-7677 Jul 01 j 16:06	0°♈	
retrograde	-7677 Sep 21 j 04:59	9°♈07'57	
opposition	-7677 Nov 19 j 17:01	4°♈11'49	-0°00'49
min. Earth dist.	-7677 Nov 20 j 01:55	4°♈08'52	4.31990 AU
asc. node	-7677 Nov 23 j 22:32	3°♈38'18	
	-7677 Dec 27 j 11:36	30°℞♓	
direct	-7676 Jan 20 j 05:44	29°♓07'44	
	-7676 Feb 13 j 06:38	0°♈	
evening set	-7676 May 27 j 15:33	17°♈21'30	
conjunction	-7676 Jun 09 j 21:18	20°♈16'35	0°25'22
minimum elong	-7676 Jun 09 j 21:16	20°♈16'34	0°25'30
max. Earth dist.	-7676 Jun 08 j 22:55	20°♈04'13	6.34577 AU
morning rise	-7676 Jun 22 j 23:25	23°♈09'52	
	-7676 Jul 25 j 07:02	0°♉	
retrograde	-7676 Oct 21 j 09:55	10°♉21'15	
opposition	-7676 Dec 20 j 10:27	5°♉28'13	1°10'15
min. Earth dist.	-7676 Dec 21 j 06:33	5°♉21'42	4.36068 AU
direct	-7675 Feb 20 j 18:43	0°♉25'28	
	-7675 Jun 12 j 14:43	15°♉	
evening set	-7675 Jun 28 j 15:57	18°♉28'34	
max. Earth dist.	-7675 Jul 10 j 00:23	20°♉59'10	6.36210 AU
conjunction	-7675 Jul 11 j 11:44	21°♉18'47	1°08'15
minimum elong	-7675 Jul 11 j 11:39	21°♉18'44	1°08'36
morning rise	-7675 Jul 24 j 04:30	24°♉07'29	
	-7675 Aug 20 j 15:20	0°♊	
retrograde	-7675 Nov 21 j 23:28	11°♊19'59	
opposition	-7674 Jan 21 j 13:11	6°♊28'25	2°00'51
min. Earth dist.	-7674 Jan 22 j 15:38	6°♊19'58	4.35295 AU
direct	-7674 Mar 25 j 03:19	1°♊28'04	
evening set	-7674 Jul 29 j 22:23	19°♊29'53	
max. Earth dist.	-7674 Aug 09 j 23:12	21°♊58'04	6.32963 AU
conjunction	-7674 Aug 11 j 10:49	22°♊18'04	1°31'34
minimum elong	-7674 Aug 11 j 10:47	22°♊18'03	1°32'05
morning rise	-7674 Aug 23 j 21:09	25°♊05'22	
	-7674 Sep 15 j 08:54	0°♋	
retrograde	-7674 Dec 24 j 11:09	12°♋42'10	
opposition	-7673 Feb 23 j 13:37	7°♋50'13	2°17'14
min. Earth dist.	-7673 Feb 24 j 13:35	7°♋42'37	4.29866 AU
direct	-7673 Apr 26 j 16:09	2°♋52'52	
evening set	-7673 Aug 30 j 04:05	21°♋02'02	
max. Earth dist.	-7673 Sep 10 j 10:15	23°♋36'04	6.25737 AU
conjunction	-7673 Sep 11 j 14:13	23°♋52'04	1°28'19
minimum elong	-7673 Sep 11 j 14:16	23°♋52'05	1°28'48
morning rise	-7673 Sep 24 j 00:17	26°♋42'11	
	-7673 Oct 08 j 16:45	0°♌	
	-7672 Jan 24 j 12:53	15°♌	
retrograde	-7672 Jan 27 j 12:21	15°♌00'50	
	-7672 Jan 30 j 11:49	15°℞♌	
opposition	-7672 Mar 28 j 19:37	10°♌06'41	1°52'21
min. Earth dist.	-7672 Mar 29 j 10:39	10°♌01'53	4.21290 AU
direct	-7672 May 28 j 22:48	5°♌12'03	
	-7672 Aug 21 j 23:13	15°♌	
evening set	-7672 Sep 30 j 03:06	23°♌35'15	
conjunction	-7672 Oct 12 j 17:21	26°♌30'50	0°57'32
minimum elong	-7672 Oct 12 j 17:26	26°♌30'53	0°57'52
max. Earth dist.	-7672 Oct 12 j 07:07	26°♌24'53	6.16635 AU
morning rise	-7672 Oct 25 j 09:12	29°♌27'27	
	-7672 Oct 27 j 17:34	0°♍	
retrograde	-7671 Mar 03 j 00:43	18°♍35'23	
opposition	-7671 May 03 j 05:49	13°♍37'39	0°49'35
min. Earth dist.	-7671 May 03 j 04:58	13°♍37'55	4.12284 AU
direct	-7671 Jul 02 j 00:42	8°♍44'41	
evening set	-7671 Nov 02 j 12:45	27°♍25'46	
	-7671 Nov 13 j 10:50	0°♎	

Attention, astronomical year style is used: The year -7671 in astronomical counting style is the year 7672 BCE in historical counting style.

conjunction	-7671 Nov 15 j 10:52	0°♎28'20	0°06'45
minimum elong	-7671 Nov 15 j 10:52	0°♎28'21	0°06'48
behind sun begin	-7671 Nov 15 j 03:18	0°♎23'54	
behind sun end	-7671 Nov 15 j 18:26	0°♎32'47	
max. Earth dist.	-7671 Nov 15 j 22:17	0°♎35'04	6.08618 AU
morning rise	-7671 Nov 28 j 12:06	3°♎32'39	
desc. node	-7670 Jan 02 j 12:52	11°♎25'14	
retrograde	-7670 Apr 08 j 14:41	23°♎22'14	
opposition	-7670 Jun 08 j 08:38	18°♎20'27	-0°32'53
min. Earth dist.	-7670 Jun 07 j 17:02	18°♎25'38	4.05945 AU
direct	-7670 Aug 06 j 00:25	13°♎27'10	
	-7670 Nov 27 j 07:27	0°♏	
evening set	-7670 Dec 07 j 17:00	2°♏25'34	
conjunction	-7670 Dec 20 j 23:36	5°♏33'36	-0°47'36
minimum elong	-7670 Dec 20 j 23:31	5°♏33'33	0°47'52
max. Earth dist.	-7670 Dec 22 j 07:40	5°♏52'34	6.04507 AU
morning rise	-7669 Jan 03 j 09:33	8°♏43'26	
	-7669 Jan 30 j 21:54	15°♏	
retrograde	-7669 May 15 j 06:29	28°♏50'01	
min. Earth dist.	-7669 Jul 13 j 08:40	23°♏53'45	4.04598 AU
opposition	-7669 Jul 14 j 09:14	23°♏45'27	-1°44'37
direct	-7669 Sep 10 j 11:24	18°♏49'57	
	-7669 Dec 08 j 17:50	0°♐	
evening set	-7668 Jan 13 j 07:10	7°♐58'13	
conjunction	-7668 Jan 26 j 20:04	11°♐08'13	-1°24'43
minimum elong	-7668 Jan 26 j 20:00	11°♐08'11	1°25'11
max. Earth dist.	-7668 Jan 28 j 11:28	11°♐31'17	6.05878 AU
morning rise	-7668 Feb 09 j 11:50	14°♐19'33	
	-7668 Apr 27 j 13:08	0°♑	
retrograde	-7668 Jun 18 j 23:55	4°♑09'19	
	-7668 Aug 10 j 17:21	30°℞♐	
opposition	-7668 Aug 17 j 13:18	29°♐04'13	-2°17'10
min. Earth dist.	-7668 Aug 16 j 12:38	29°♐12'40	4.08660 AU
direct	-7668 Oct 14 j 21:21	24°♐05'16	
	-7668 Dec 16 j 14:43	0°♑	
evening set	-7667 Feb 18 j 05:44	13°♑10'20	
conjunction	-7667 Mar 03 j 22:45	16°♑19'11	-1°30'31
minimum elong	-7667 Mar 03 j 22:47	16°♑19'12	1°31'02
max. Earth dist.	-7667 Mar 05 j 08:44	16°♑38'44	6.12186 AU
morning rise	-7667 Mar 17 j 16:29	19°♑28'18	
	-7667 May 06 j 00:42	0°♒	
retrograde	-7667 Jul 23 j 06:32	8°♒33'45	
opposition	-7667 Sep 20 j 11:10	3°♒30'44	-2°00'11
min. Earth dist.	-7667 Sep 19 j 19:38	3°♒36'02	4.16548 AU
	-7667 Oct 19 j 03:45	30°℞♑	
direct	-7667 Nov 18 j 17:26	28°♑28'39	
	-7667 Dec 19 j 16:07	0°♒	
	-7666 Mar 16 j 00:23	15°♒	
evening set	-7666 Mar 26 j 09:02	17°♒18'14	
conjunction	-7666 Apr 09 j 02:19	20°♒23'32	-1°04'42
minimum elong	-7666 Apr 09 j 02:24	20°♒23'35	1°05'04
max. Earth dist.	-7666 Apr 09 j 17:03	20°♒31'51	6.21041 AU
morning rise	-7666 Apr 22 j 18:29	23°♒28'05	
	-7666 May 22 j 21:52	0°♓	
retrograde	-7666 Aug 24 j 21:54	11°♓40'55	
opposition	-7666 Oct 23 j 04:04	6°♓41'29	-1°04'10
min. Earth dist.	-7666 Oct 23 j 01:05	6°♓42'29	4.25468 AU
direct	-7666 Dec 22 j 15:37	1°♓37'34	
evening set	-7665 Apr 30 j 00:53	20°♓07'00	
conjunction	-7665 May 13 j 13:52	23°♓07'08	-0°18'38
minimum elong	-7665 May 13 j 13:54	23°♓07'09	0°18'46
max. Earth dist.	-7665 May 13 j 06:52	23°♓03'16	6.29441 AU
morning rise	-7665 May 26 j 23:56	26°♓05'45	
	-7665 Jun 13 j 23:19	0°♈	
retrograde	-7665 Sep 25 j 13:21	13°♈36'49	
asc. node	-7665 Oct 05 j 00:46	13°♈27'57	
opposition	-7665 Nov 24 j 02:29	8°♈41'13	0°09'35
min. Earth dist.	-7665 Nov 24 j 13:43	8°♈37'31	4.32619 AU
direct	-7664 Jan 24 j 18:40	3°♈37'14	
evening set	-7664 Jun 01 j 03:55	21°♈49'50	
max. Earth dist.	-7664 Jun 13 j 06:13	24°♈29'51	6.34798 AU
conjunction	-7664 Jun 14 j 08:19	24°♈44'17	0°32'05
minimum elong	-7664 Jun 14 j 08:16	24°♈44'15	0°32'15
morning rise	-7664 Jun 27 j 09:16	27°♈36'59	
	-7664 Jul 08 j 07:49	0°♉	
retrograde	-7664 Oct 25 j 19:18	14°♉48'07	
opposition	-7664 Dec 24 j 21:19	9°♉55'21	1°18'52
min. Earth dist.	-7664 Dec 25 j 19:00	9°♉48'21	4.35902 AU
direct	-7663 Feb 25 j 07:09	4°♉52'50	
	-7663 May 26 j 04:55	15°♉	
evening set	-7663 Jul 03 j 01:58	22°♉56'30	
max. Earth dist.	-7663 Jul 14 j 09:55	25°♉27'06	6.35663 AU
conjunction	-7663 Jul 15 j 20:41	25°♉46'25	1°12'52
minimum elong	-7663 Jul 15 j 20:36	25°♉46'23	1°13'15
morning rise	-7663 Jul 28 j 12:13	28°♉34'52	
	-7663 Aug 03 j 23:06	0°♊	
retrograde	-7663 Nov 26 j 11:29	15°♊50'43	
opposition	-7662 Jan 26 j 03:33	10°♊59'13	2°05'25
min. Earth dist.	-7662 Jan 27 j 05:42	10°♊50'53	4.34429 AU
direct	-7662 Mar 29 j 16:31	5°♊59'19	
evening set	-7662 Aug 03 j 08:39	24°♊02'52	
max. Earth dist.	-7662 Aug 14 j 08:24	26°♊30'57	6.31836 AU
conjunction	-7662 Aug 15 j 20:18	26°♊51'11	1°32'46
minimum elong	-7662 Aug 15 j 20:17	26°♊51'10	1°33'16
morning rise	-7662 Aug 28 j 06:24	29°♊38'47	
	-7662 Aug 29 j 20:20	0°♋	
retrograde	-7662 Dec 29 j 06:11	17°♋21'31	
opposition	-7661 Feb 28 j 08:57	12°♋29'20	2°16'12
min. Earth dist.	-7661 Mar 01 j 08:10	12°♋21'57	4.28562 AU
direct	-7661 May 01 j 09:19	7°♋32'22	
evening set	-7661 Sep 03 j 16:19	25°♋43'47	
max. Earth dist.	-7661 Sep 15 j 02:18	28°♋20'25	6.24383 AU
conjunction	-7661 Sep 16 j 02:53	28°♋34'31	1°25'28
minimum elong	-7661 Sep 16 j 02:56	28°♋34'33	1°25'57
	-7661 Sep 22 j 07:56	0°♌	
morning rise	-7661 Sep 28 j 13:21	1°♌25'25	
	-7661 Dec 05 j 05:19	15°♌	
retrograde	-7660 Feb 01 j 11:24	19°♌50'59	
opposition	-7660 Apr 02 j 19:39	14°♌56'22	1°45'23
	-7660 Apr 02 j 08:15	15°℞♌	
min. Earth dist.	-7660 Apr 03 j 07:46	14°♌52'30	4.19982 AU
direct	-7660 Jun 02 j 17:50	10°♌02'06	
	-7660 Jul 30 j 22:48	15°♌	
evening set	-7660 Oct 04 j 19:23	28°♌27'20	
	-7660 Oct 11 j 10:50	0°♍	
conjunction	-7660 Oct 17 j 10:27	1°♍23'48	0°51'10
minimum elong	-7660 Oct 17 j 10:31	1°♍23'50	0°51'28
max. Earth dist.	-7660 Oct 17 j 03:06	1°♍19'30	6.15490 AU
morning rise	-7660 Oct 30 j 03:33	4°♍21'26	
retrograde	-7659 Mar 08 j 04:42	23°♍35'27	
opposition	-7659 May 08 j 08:48	18°♍37'02	0°38'23
min. Earth dist.	-7659 May 08 j 05:35	18°♍38'05	4.11366 AU
direct	-7659 Jul 07 j 00:01	13°♍44'06	
	-7659 Oct 27 j 21:38	0°♎	

Attention, astronomical year style is used: The year -7659 in astronomical counting style is the year 7660 BCE in historical counting style.

evening set	-7659 Nov 07 j 10:06	2°♎26'49	
desc. node	-7659 Nov 11 j 02:38	3°♎18'48	
conjunction	-7659 Nov 20 j 09:31	5°♎30'11	-0°01'20
minimum elong	-7659 Nov 20 j 09:30	5°♎30'11	0°01'19
behind sun begin	-7659 Nov 20 j 01:21	5°♎25'24	
behind sun end	-7659 Nov 20 j 17:39	5°♎34'58	
max. Earth dist.	-7659 Nov 21 j 01:11	5°♎39'25	6.08014 AU
morning rise	-7659 Dec 03 j 11:58	8°♎35'19	
retrograde	-7658 Apr 13 j 19:08	28°♎27'50	
opposition	-7658 Jun 13 j 11:24	23°♎25'35	-0°44'26
min. Earth dist.	-7658 Jun 12 j 18:12	23°♎31'17	4.05720 AU
direct	-7658 Aug 11 j 00:31	18°♎32'07	
	-7658 Nov 09 j 13:48	0°♏	
evening set	-7658 Dec 12 j 19:11	7°♏31'22	
conjunction	-7658 Dec 26 j 02:36	10°♏39'42	-0°54'18
minimum elong	-7658 Dec 26 j 02:31	10°♏39'39	0°54'35
max. Earth dist.	-7658 Dec 27 j 11:07	10°♏58'54	6.04646 AU
morning rise	-7657 Jan 08 j 13:37	13°♏49'52	
	-7657 Jan 13 j 13:49	15°♏	
	-7657 Mar 30 j 04:34	0°♐	
retrograde	-7657 May 20 j 07:21	3°♐55'03	
	-7657 Jul 10 j 17:30	30°℞♏	
min. Earth dist.	-7657 Jul 18 j 07:41	28°♏58'51	4.05106 AU
opposition	-7657 Jul 19 j 09:06	28°♏50'15	-1°51'59
direct	-7657 Sep 15 j 11:19	23°♏54'17	
	-7657 Nov 17 j 15:48	0°♐	
evening set	-7656 Jan 18 j 11:03	13°♐02'04	
conjunction	-7656 Feb 01 j 00:48	16°♐12'00	-1°27'34
minimum elong	-7656 Feb 01 j 00:45	16°♐11'58	1°28'03
max. Earth dist.	-7656 Feb 02 j 17:16	16°♐35'38	6.06707 AU
morning rise	-7656 Feb 14 j 16:50	19°♐23'04	
	-7656 Apr 03 j 14:34	0°♑	
retrograde	-7656 Jun 23 j 21:55	9°♑07'24	
min. Earth dist.	-7656 Aug 21 j 09:51	4°♑10'21	4.09729 AU
opposition	-7656 Aug 22 j 08:49	4°♑02'29	-2°17'41
	-7656 Sep 26 j 02:36	30°℞♐	
direct	-7656 Oct 19 j 19:33	29°♐03'06	
	-7656 Nov 12 j 16:28	0°♑	
evening set	-7655 Feb 23 j 08:03	18°♑06'10	
conjunction	-7655 Mar 09 j 01:14	21°♑14'36	-1°28'39
minimum elong	-7655 Mar 09 j 01:17	21°♑14'38	1°29'09
max. Earth dist.	-7655 Mar 10 j 08:17	21°♑32'24	6.13399 AU
morning rise	-7655 Mar 22 j 19:07	24°♑23'11	
	-7655 Apr 17 j 02:10	0°♒	
retrograde	-7655 Jul 27 j 20:29	13°♒21'16	
min. Earth dist.	-7655 Sep 24 j 11:29	8°♒23'36	4.17793 AU
opposition	-7655 Sep 25 j 01:51	8°♒18'42	-1°54'17
direct	-7655 Nov 23 j 11:05	3°♒16'16	
	-7654 Feb 26 j 14:59	15°♒	
evening set	-7654 Mar 31 j 07:04	22°♒03'21	
conjunction	-7654 Apr 14 j 00:05	25°♒08'03	-0°59'09
minimum elong	-7654 Apr 14 j 00:09	25°♒08'05	0°59'29
max. Earth dist.	-7654 Apr 14 j 11:26	25°♒14'26	6.22245 AU
morning rise	-7654 Apr 27 j 15:39	28°♒11'51	
	-7654 May 05 j 18:35	0°♓	
retrograde	-7654 Aug 29 j 10:05	16°♓18'19	
opposition	-7654 Oct 27 j 15:49	11°♓19'29	-0°54'24
min. Earth dist.	-7654 Oct 27 j 15:43	11°♓19'30	4.26508 AU
direct	-7654 Dec 27 j 08:19	6°♓15'29	
evening set	-7653 May 04 j 17:53	24°♓42'46	
conjunction	-7653 May 18 j 05:59	27°♓42'14	-0°11'28
minimum elong	-7653 May 18 j 06:00	27°♓42'14	0°11'33
behind sun begin	-7653 May 18 j 00:10	27°♓39'01	
behind sun end	-7653 May 18 j 11:49	27°♓45'27	
max. Earth dist.	-7653 May 17 j 19:45	27°♓36'34	6.30239 AU
	-7653 May 28 j 14:24	0°♈	
morning rise	-7653 May 31 j 15:00	0°♈40'06	
asc. node	-7653 Aug 15 j 02:04	14°♈54'34	
retrograde	-7653 Sep 29 j 21:59	18°♈07'44	
opposition	-7653 Nov 28 j 13:19	13°♈12'36	0°20'02
min. Earth dist.	-7653 Nov 29 j 01:49	13°♈08'29	4.33135 AU
direct	-7652 Jan 29 j 07:51	8°♈08'45	
evening set	-7652 Jun 05 j 17:03	26°♈20'26	
conjunction	-7652 Jun 18 j 20:07	29°♈14'14	0°38'42
minimum elong	-7652 Jun 18 j 20:04	29°♈14'12	0°38'54
max. Earth dist.	-7652 Jun 17 j 16:47	28°♈59'07	6.34997 AU
	-7652 Jun 22 j 06:47	0°♉	
morning rise	-7652 Jul 01 j 19:41	2°♉06'18	
	-7652 Sep 06 j 10:02	15°♉	
retrograde	-7652 Oct 30 j 06:02	19°♉17'25	
	-7652 Dec 24 j 20:41	15°℞♉	
opposition	-7652 Dec 29 j 09:33	14°♉25'01	1°27'10
min. Earth dist.	-7652 Dec 30 j 08:27	14°♉17'38	4.35793 AU
direct	-7651 Mar 01 j 21:10	9°♉22'54	
	-7651 May 05 j 09:27	15°♉	
evening set	-7651 Jul 07 j 12:52	27°♉26'46	
max. Earth dist.	-7651 Jul 18 j 18:04	29°♉56'09	6.35241 AU
	-7651 Jul 19 j 00:59	0°♊	
conjunction	-7651 Jul 20 j 06:19	0°♊16'20	1°17'08
minimum elong	-7651 Jul 20 j 06:15	0°♊16'18	1°17'33
morning rise	-7651 Aug 01 j 20:57	3°♊04'32	
retrograde	-7651 Dec 01 j 01:16	20°♊23'26	
opposition	-7650 Jan 30 j 18:58	15°♊31'58	2°09'20
min. Earth dist.	-7650 Jan 31 j 20:43	15°♊23'45	4.33764 AU
direct	-7650 Apr 03 j 06:47	10°♊32'29	
evening set	-7650 Aug 07 j 18:49	28°♊36'57	
	-7650 Aug 13 j 22:42	0°♋	
max. Earth dist.	-7650 Aug 18 j 20:56	1°♋06'40	6.30989 AU
conjunction	-7650 Aug 20 j 06:05	1°♋25'23	1°33'26
minimum elong	-7650 Aug 20 j 06:04	1°♋25'23	1°33'56
morning rise	-7650 Sep 01 j 15:42	4°♋13'11	
retrograde	-7649 Jan 02 j 23:59	22°♋00'58	
opposition	-7649 Mar 05 j 04:20	17°♋08'35	2°14'20
min. Earth dist.	-7649 Mar 06 j 01:58	17°♋01'43	4.27598 AU
direct	-7649 May 06 j 01:38	12°♋12'07	
	-7649 Sep 06 j 08:47	0°♌	
evening set	-7649 Sep 08 j 03:54	0°♌24'33	
conjunction	-7649 Sep 20 j 14:35	3°♌15'47	1°22'08
minimum elong	-7649 Sep 20 j 14:39	3°♌15'49	1°22'36
max. Earth dist.	-7649 Sep 19 j 15:21	3°♌02'25	6.23383 AU
morning rise	-7649 Oct 03 j 01:46	6°♌07'22	
	-7649 Nov 13 j 02:47	15°♌	
retrograde	-7648 Feb 06 j 10:14	24°♌38'46	
opposition	-7648 Apr 07 j 18:20	19°♌43'38	1°37'47
min. Earth dist.	-7648 Apr 08 j 04:08	19°♌40'30	4.19000 AU
	-7648 May 28 j 02:50	15°℞♌	
direct	-7648 Jun 07 j 12:38	14°♌49'36	
	-7648 Jun 17 j 22:22	15°♌	
	-7648 Sep 25 j 03:57	0°♍	
evening set	-7648 Oct 09 j 10:06	3°♍16'00	
conjunction	-7648 Oct 22 j 02:17	6°♍13'17	0°44'35
minimum elong	-7648 Oct 22 j 02:20	6°♍13'19	0°44'50
max. Earth dist.	-7648 Oct 21 j 23:12	6°♍11'29	6.14632 AU

Attention, astronomical year style is used: The year -7648 in astronomical counting style is the year 7649 BCE in historical counting style.

morning rise	-7648 Nov 03 j 20:23	9°♍11'47	
retrograde	-7647 Mar 13 j 05:59	28°♍30'40	
opposition	-7647 May 13 j 09:04	23°♍31'43	0°27'08
min. Earth dist.	-7647 May 13 j 04:02	23°♍33'21	4.10696 AU
direct	-7647 Jul 11 j 20:30	18°♍38'50	
desc. node	-7647 Sep 20 j 22:35	26°♍03'39	
	-7647 Oct 10 j 13:30	0°♎	
evening set	-7647 Nov 12 j 05:30	7°♎22'43	
conjunction	-7647 Nov 25 j 05:52	10°♎26'44	-0°09'08
minimum elong	-7647 Nov 25 j 05:51	10°♎26'43	0°09'10
behind sun begin	-7647 Nov 24 j 22:56	10°♎22'39	
behind sun end	-7647 Nov 25 j 12:46	10°♎30'47	
max. Earth dist.	-7647 Nov 25 j 22:45	10°♎36'41	6.07572 AU
morning rise	-7647 Dec 08 j 09:42	13°♎32'36	
	-7646 Mar 01 j 15:08	0°♏	
retrograde	-7646 Apr 18 j 19:24	3°♏27'31	
	-7646 Jun 06 j 08:14	30℞♎	
opposition	-7646 Jun 18 j 11:02	28°♎24'46	-0°55'23
min. Earth dist.	-7646 Jun 17 j 15:56	28°♎31'08	4.05553 AU
direct	-7646 Aug 15 j 21:55	23°♎31'00	
	-7646 Oct 20 j 06:08	0°♏	
evening set	-7646 Dec 17 j 18:45	12°♏31'13	
	-7646 Dec 28 j 07:37	15°♏	
conjunction	-7646 Dec 31 j 03:16	15°♏39'54	-1°00'28
minimum elong	-7646 Dec 31 j 03:11	15°♏39'51	1°00'47
max. Earth dist.	-7645 Jan 01 j 14:19	16°♏00'35	6.04757 AU
morning rise	-7645 Jan 13 j 14:58	18°♏50'18	
	-7645 Mar 05 j 19:44	0°♐	
retrograde	-7645 May 25 j 07:46	8°♐54'13	
min. Earth dist.	-7645 Jul 23 j 05:42	3°♐57'34	4.05499 AU
opposition	-7645 Jul 24 j 06:10	3°♐49'16	-1°58'23
	-7645 Aug 25 j 15:33	30℞♏	
direct	-7645 Sep 20 j 09:05	28°♏52'50	
	-7645 Oct 16 j 03:38	0°♐	
evening set	-7644 Jan 23 j 13:03	18°♐00'47	
conjunction	-7644 Feb 06 j 03:19	21°♐10'40	-1°29'43
minimum elong	-7644 Feb 06 j 03:17	21°♐10'39	1°30'13
max. Earth dist.	-7644 Feb 07 j 18:11	21°♐33'20	6.07322 AU
morning rise	-7644 Feb 19 j 19:57	24°♐21'38	
	-7644 Mar 15 j 19:39	0°♑	
retrograde	-7644 Jun 28 j 15:24	14°♑01'10	
min. Earth dist.	-7644 Aug 26 j 03:20	9°♑04'13	4.10525 AU
opposition	-7644 Aug 27 j 01:58	8°♑56'28	-2°17'15
direct	-7644 Oct 24 j 14:00	3°♑56'35	
evening set	-7643 Feb 28 j 08:57	22°♑58'49	
conjunction	-7643 Mar 14 j 02:26	26°♑06'58	-1°26'10
minimum elong	-7643 Mar 14 j 02:29	26°♑07'00	1°26'39
max. Earth dist.	-7643 Mar 15 j 06:40	26°♑23'08	6.14320 AU
morning rise	-7643 Mar 27 j 20:17	29°♑15'09	
	-7643 Mar 31 j 03:32	0°♒	
	-7643 Jun 17 j 16:56	15°♒	
retrograde	-7643 Aug 01 j 12:12	18°♒07'01	
	-7643 Sep 15 j 04:22	15℞♒	
opposition	-7643 Sep 29 j 16:00	13°♒04'55	-1°47'42
min. Earth dist.	-7643 Sep 29 j 04:21	13°♒08'53	4.18737 AU
direct	-7643 Nov 28 j 06:06	8°♒02'10	
	-7642 Feb 06 j 15:24	15°♒	
evening set	-7642 Apr 05 j 04:24	26°♒47'33	
conjunction	-7642 Apr 18 j 21:11	29°♒51'48	-0°53'13
minimum elong	-7642 Apr 18 j 21:15	29°♒51'50	0°53'32
max. Earth dist.	-7642 Apr 19 j 06:22	29°♒56'57	6.23160 AU
	-7642 Apr 19 j 11:48	0°♓	

morning rise	-7642 May 02 j 12:08	2°♓54'59	
retrograde	-7642 Sep 02 j 20:25	20°♓56'02	
opposition	-7642 Nov 01 j 03:43	15°♓57'43	-0°44'19
min. Earth dist.	-7642 Nov 01 j 04:29	15°♓57'27	4.27327 AU
direct	-7642 Dec 31 j 23:03	10°♓53'38	
evening set	-7641 May 09 j 11:14	29°♓19'17	
	-7641 May 12 j 13:05	0°♈	
conjunction	-7641 May 22 j 22:10	2°♈18'02	-0°04'14
minimum elong	-7641 May 22 j 22:12	2°♈18'03	0°04'16
behind sun begin	-7641 May 22 j 14:08	2°♈13'35	
behind sun end	-7641 May 23 j 06:16	2°♈22'30	
max. Earth dist.	-7641 May 22 j 09:03	2°♈10'45	6.30919 AU
morning rise	-7641 Jun 05 j 06:07	5°♈15'10	
asc. node	-7641 Jun 24 j 08:50	9°♈23'36	
retrograde	-7641 Oct 04 j 09:06	22°♈39'36	
opposition	-7641 Dec 03 j 00:50	17°♈44'55	0°30'24
min. Earth dist.	-7641 Dec 03 j 15:32	17°♈40'06	4.33630 AU
direct	-7640 Feb 02 j 23:29	12°♈41'13	
	-7640 Jun 06 j 08:00	0°♉	
evening set	-7640 Jun 10 j 06:18	0°♉51'36	
max. Earth dist.	-7640 Jun 22 j 03:30	3°♉28'55	6.35254 AU
conjunction	-7640 Jun 23 j 08:05	3°♉44'44	0°45'07
minimum elong	-7640 Jun 23 j 08:01	3°♉44'42	0°45'21
morning rise	-7640 Jul 06 j 06:16	6°♉36'08	
	-7640 Aug 15 j 12:44	15°♉	
retrograde	-7640 Nov 03 j 15:53	23°♉46'53	
opposition	-7639 Jan 02 j 22:11	18°♉54'38	1°34'58
min. Earth dist.	-7639 Jan 03 j 20:56	18°♉47'19	4.35816 AU
	-7639 Feb 06 j 23:04	15℞♉	
direct	-7639 Mar 06 j 09:57	13°♉52'47	
	-7639 Apr 03 j 01:15	15°♉	
	-7639 Jul 03 j 03:40	0°♊	
evening set	-7639 Jul 11 j 23:09	1°♊55'59	
max. Earth dist.	-7639 Jul 23 j 03:54	4°♊25'18	6.35003 AU
conjunction	-7639 Jul 24 j 15:27	4°♊45'07	1°20'57
minimum elong	-7639 Jul 24 j 15:23	4°♊45'05	1°21'23
morning rise	-7639 Aug 06 j 04:58	7°♊32'57	
retrograde	-7639 Dec 05 j 14:53	24°♊54'13	
opposition	-7638 Feb 04 j 10:06	20°♊02'44	2°12'27
min. Earth dist.	-7638 Feb 05 j 12:08	19°♊54'27	4.33265 AU
direct	-7638 Apr 07 j 21:35	15°♊03'39	
	-7638 Jul 29 j 00:01	0°♋	
evening set	-7638 Aug 12 j 04:06	3°♋08'14	
max. Earth dist.	-7638 Aug 23 j 05:21	5°♋37'49	6.30236 AU
conjunction	-7638 Aug 24 j 14:48	5°♋56'45	1°33'33
minimum elong	-7638 Aug 24 j 14:48	5°♋56'45	1°34'04
morning rise	-7638 Sep 06 j 00:21	8°♋44'46	
retrograde	-7637 Jan 07 j 17:05	26°♋37'20	
opposition	-7637 Mar 09 j 22:36	21°♋44'37	2°11'40
min. Earth dist.	-7637 Mar 10 j 18:38	21°♋38'15	4.26624 AU
direct	-7637 May 10 j 16:19	16°♋48'29	
	-7637 Aug 21 j 00:52	0°♌	
evening set	-7637 Sep 12 j 14:31	5°♌02'10	
max. Earth dist.	-7637 Sep 24 j 05:53	7°♌42'37	6.22278 AU
conjunction	-7637 Sep 25 j 01:46	7°♌54'04	1°18'20
minimum elong	-7637 Sep 25 j 01:50	7°♌54'07	1°18'45
morning rise	-7637 Oct 07 j 13:27	10°♌46'24	
	-7637 Oct 26 j 08:22	15°♌	
retrograde	-7636 Feb 11 j 08:41	29°♌24'05	
opposition	-7636 Apr 12 j 16:14	24°♌28'31	1°29'36
min. Earth dist.	-7636 Apr 13 j 00:50	24°♌25'45	4.17818 AU
direct	-7636 Jun 12 j 06:35	19°♌34'46	

Attention, astronomical year style is used: The year -7636 in astronomical counting style is the year 7637 BCE in historical counting style.

	-7636 Sep 07 j 17:44	0°♍	
evening set	-7636 Oct 14 j 00:51	8°♍03'21	
conjunction	-7636 Oct 26 j 17:55	11°♍01'34	0°37'42
minimum elong	-7636 Oct 26 j 17:58	11°♍01'36	0°37'56
max. Earth dist.	-7636 Oct 26 j 16:02	11°♍00'27	6.13479 AU
morning rise	-7636 Nov 08 j 13:29	14°♍01'11	
	-7635 Jan 28 j 23:05	0°♎	
retrograde	-7635 Mar 18 j 06:36	3°♎26'17	
	-7635 May 06 j 07:07	30°℞♍	
opposition	-7635 May 18 j 09:27	28°♍26'45	0°15'39
min. Earth dist.	-7635 May 18 j 01:46	28°♍29'16	4.09658 AU
direct	-7635 Jul 16 j 16:28	23°♍33'52	
desc. node	-7635 Jul 31 j 22:21	23°♍56'59	
	-7635 Sep 20 j 06:49	0°♎	
evening set	-7635 Nov 17 j 02:13	12°♎20'40	
conjunction	-7635 Nov 30 j 03:58	15°♎25'36	-0°16'55
minimum elong	-7635 Nov 30 j 03:56	15°♎25'35	0°17'00
max. Earth dist.	-7635 Dec 01 j 00:37	15°♎37'48	6.06749 AU
morning rise	-7635 Dec 13 j 08:54	18°♎32'22	
	-7634 Feb 04 j 02:45	0°♏	
retrograde	-7634 Apr 24 j 00:14	8°♏31'05	
opposition	-7634 Jun 23 j 12:06	3°♏27'58	-1°06'06
min. Earth dist.	-7634 Jun 22 j 16:45	3°♏34'26	4.05029 AU
	-7634 Jul 22 j 10:34	30°℞♎	
direct	-7634 Aug 20 j 21:24	28°♎33'56	
	-7634 Sep 19 j 04:37	0°♏	
	-7634 Dec 11 j 15:46	15°♏	
evening set	-7634 Dec 22 j 21:29	17°♏36'47	
conjunction	-7633 Jan 05 j 06:53	20°♏45'58	-1°06'17
minimum elong	-7633 Jan 05 j 06:48	20°♏45'55	1°06'38
max. Earth dist.	-7633 Jan 06 j 18:18	21°♏06'50	6.04556 AU
morning rise	-7633 Jan 18 j 19:40	23°♏56'51	
	-7633 Feb 14 j 09:29	0°♐	
retrograde	-7633 May 30 j 08:36	14°♐00'19	
min. Earth dist.	-7633 Jul 28 j 04:00	9°♐03'58	4.05668 AU
opposition	-7633 Jul 29 j 05:34	8°♐55'17	-2°04'04
direct	-7633 Sep 25 j 07:10	3°♐58'26	
evening set	-7632 Jan 28 j 18:34	23°♐07'32	
conjunction	-7632 Feb 11 j 09:33	26°♐17'29	-1°31'16
minimum elong	-7632 Feb 11 j 09:31	26°♐17'28	1°31'46
max. Earth dist.	-7632 Feb 12 j 23:41	26°♐39'41	6.07836 AU
morning rise	-7632 Feb 25 j 02:35	29°♐28'22	
	-7632 Feb 27 j 09:30	0°♑	
retrograde	-7632 Jul 03 j 14:06	19°♑03'20	
opposition	-7632 Aug 31 j 22:31	13°♑58'55	-2°15'49
min. Earth dist.	-7632 Aug 31 j 01:34	14°♑06'05	4.11329 AU
direct	-7632 Oct 29 j 13:56	8°♑58'38	
evening set	-7631 Mar 05 j 13:16	27°♑59'48	
	-7631 Mar 14 j 08:29	0°♒	
conjunction	-7631 Mar 19 j 07:03	1°♒07'39	-1°23'01
minimum elong	-7631 Mar 19 j 07:07	1°♒07'42	1°23'28
max. Earth dist.	-7631 Mar 20 j 10:36	1°♒23'23	6.15383 AU
morning rise	-7631 Apr 02 j 00:43	4°♒15'19	
	-7631 May 22 j 23:42	15°♒	
retrograde	-7631 Aug 06 j 04:37	23°♒00'08	
opposition	-7631 Oct 04 j 08:44	17°♒58'36	-1°40'14
min. Earth dist.	-7631 Oct 03 j 21:27	18°♒02'25	4.19980 AU
	-7631 Oct 27 j 22:03	15°℞♒	
direct	-7631 Dec 03 j 02:02	12°♒55'40	
	-7630 Jan 08 j 17:49	15°♒	
	-7630 Apr 02 j 18:57	0°♓	
evening set	-7630 Apr 10 j 04:23	1°♓38'10	

conjunction	-7630 Apr 23 j 20:29	4°♓41'36	-0°46'51
minimum elong	-7630 Apr 23 j 20:33	4°♓41'38	0°47'07
max. Earth dist.	-7630 Apr 24 j 02:12	4°♓44'48	6.24529 AU
morning rise	-7630 May 07 j 10:46	7°♓43'56	
retrograde	-7630 Sep 07 j 09:47	25°♓37'57	
opposition	-7630 Nov 05 j 17:23	20°♓40'10	-0°33'52
min. Earth dist.	-7630 Nov 05 j 20:23	20°♓39'10	4.28709 AU
direct	-7629 Jan 05 j 18:23	15°♓36'04	
	-7629 Apr 25 j 20:34	0°♈	
asc. node	-7629 May 03 j 11:06	1°♈37'30	
evening set	-7629 May 14 j 04:43	3°♈57'50	
conjunction	-7629 May 27 j 14:36	6°♈55'35	0°03'09
minimum elong	-7629 May 27 j 14:36	6°♈55'35	0°03'10
behind sun begin	-7629 May 27 j 06:27	6°♈51'05	
behind sun end	-7629 May 27 j 22:45	7°♈00'04	
max. Earth dist.	-7629 May 27 j 00:41	6°♈47'53	6.32224 AU
morning rise	-7629 Jun 09 j 21:03	9°♈51'36	
retrograde	-7629 Oct 08 j 17:06	27°♈10'57	
opposition	-7629 Dec 07 j 12:09	22°♈16'40	0°40'26
min. Earth dist.	-7629 Dec 08 j 03:02	22°♈11'48	4.34773 AU
direct	-7628 Feb 07 j 12:54	17°♈13'10	
	-7628 May 20 j 18:34	0°♉	
evening set	-7628 Jun 14 j 17:50	5°♉19'53	
max. Earth dist.	-7628 Jun 26 j 11:21	7°♉55'05	6.36134 AU
conjunction	-7628 Jun 27 j 17:57	8°♉12'00	0°51'07
minimum elong	-7628 Jun 27 j 17:53	8°♉11'58	0°51'24
morning rise	-7628 Jul 10 j 14:46	11°♉02'26	
	-7628 Jul 28 j 22:20	15°♉	
retrograde	-7628 Nov 08 j 01:07	28°♉11'06	
opposition	-7627 Jan 07 j 08:48	23°♉19'05	1°41'56
min. Earth dist.	-7627 Jan 08 j 09:23	23°♉11'12	4.36377 AU
direct	-7627 Mar 10 j 23:13	18°♉17'31	
	-7627 Jun 16 j 17:36	0°♊	
evening set	-7627 Jul 16 j 06:08	6°♊18'15	
max. Earth dist.	-7627 Jul 27 j 08:54	8°♊46'29	6.35173 AU
conjunction	-7627 Jul 28 j 21:20	9°♊06'49	1°24'08
minimum elong	-7627 Jul 28 j 21:17	9°♊06'47	1°24'35
morning rise	-7627 Aug 10 j 09:53	11°♊54'10	
retrograde	-7627 Dec 09 j 23:31	29°♊16'43	
opposition	-7626 Feb 08 j 21:32	24°♊25'08	2°14'37
min. Earth dist.	-7626 Feb 09 j 22:59	24°♊17'03	4.33042 AU
direct	-7626 Apr 12 j 06:56	19°♊26'23	
	-7626 Jul 12 j 10:18	0°♋	
evening set	-7626 Aug 16 j 09:14	7°♋30'22	
max. Earth dist.	-7626 Aug 27 j 11:19	10°♋00'38	6.29629 AU
conjunction	-7626 Aug 28 j 19:37	10°♋18'57	1°33'06
minimum elong	-7626 Aug 28 j 19:37	10°♋18'57	1°33'37
morning rise	-7626 Sep 10 j 04:56	13°♋07'08	
	-7626 Dec 16 j 18:26	0°♌	
retrograde	-7625 Jan 12 j 07:28	1°♌04'18	
	-7625 Feb 07 j 21:13	30°℞♋	
opposition	-7625 Mar 14 j 13:01	26°♋11'19	2°08'17
min. Earth dist.	-7625 Mar 15 j 09:27	26°♋04'49	4.25647 AU
direct	-7625 May 15 j 04:42	21°♋15'28	
	-7625 Aug 03 j 14:05	0°♌	
evening set	-7625 Sep 16 j 21:17	9°♌30'40	
conjunction	-7625 Sep 29 j 08:58	12°♌23'17	1°14'11
minimum elong	-7625 Sep 29 j 09:02	12°♌23'19	1°14'35
max. Earth dist.	-7625 Sep 28 j 13:04	12°♌11'47	6.21018 AU
	-7625 Oct 10 j 16:49	15°♌	
morning rise	-7625 Oct 11 j 21:35	15°♌16'31	
	-7625 Dec 25 j 09:59	0°♍	

Attention, astronomical year style is used: The year -7624 in astronomical counting style is the year 7625 BCE in historical counting style.

retrograde	-7624 Feb 16 j 02:19	4°♍01'17		
	-7624 Apr 10 j 06:48	30°℞♌		
opposition	-7624 Apr 17 j 10:21	29°♌05'11	1°21'08	
min. Earth dist.	-7624 Apr 17 j 16:48	29°♌03'07	4.16358 AU	
direct	-7624 Jun 16 j 19:31	24°♌11'36		
	-7624 Aug 18 j 16:57	0°♍		
evening set	-7624 Oct 18 j 12:54	12°♍43'47		
conjunction	-7624 Oct 31 j 07:15	15°♍43'10	0°30'48	
minimum elong	-7624 Oct 31 j 07:18	15°♍43'12	0°30'59	
max. Earth dist.	-7624 Oct 31 j 08:41	15°♍44'01	6.11970 AU	
morning rise	-7624 Nov 13 j 03:58	18°♍44'01		
	-7623 Jan 04 j 08:53	0°♎		
retrograde	-7623 Mar 23 j 08:10	8°♎16'43		
opposition	-7623 May 23 j 07:27	3°♎16'42	0°04'21	
min. Earth dist.	-7623 May 22 j 23:11	3°♎19'25	4.08228 AU	
desc. node	-7623 Jun 12 j 21:30	0°♎43'06		
	-7623 Jun 19 j 19:22	30°℞♍		
direct	-7623 Jul 21 j 11:08	28°♍23'45		
	-7623 Aug 21 j 19:02	0°♎		
evening set	-7623 Nov 21 j 22:00	17°♎15'13		
conjunction	-7623 Dec 05 j 00:55	20°♎21'14	-0°24'25	
minimum elong	-7623 Dec 05 j 00:52	20°♎21'12	0°24'32	
max. Earth dist.	-7623 Dec 05 j 23:10	20°♎34'23	6.05532 AU	
morning rise	-7623 Dec 18 j 07:22	23°♎29'09		
	-7622 Jan 15 j 21:13	0°♏		
retrograde	-7622 Apr 29 j 02:27	13°♏33'00		
opposition	-7622 Jun 28 j 12:12	8°♏29'28	-1°16'10	
min. Earth dist.	-7622 Jun 27 j 14:30	8°♏36'45	4.04182 AU	
direct	-7622 Aug 25 j 17:23	3°♏35'09		
	-7622 Nov 23 j 22:50	15°♏		
evening set	-7622 Dec 28 j 00:18	22°♏41'52		
conjunction	-7621 Jan 10 j 10:45	25°♏51'40	-1°11'30	
minimum elong	-7621 Jan 10 j 10:41	25°♏51'37	1°11'54	
max. Earth dist.	-7621 Jan 12 j 00:01	26°♏13'38	6.04143 AU	
morning rise	-7621 Jan 24 j 00:23	29°♏03'04		
	-7621 Jan 28 j 02:04	0°♐		
retrograde	-7621 Jun 04 j 10:46	19°♐06'35		
min. Earth dist.	-7621 Aug 02 j 03:46	14°♐10'01	4.05743 AU	
opposition	-7621 Aug 03 j 05:06	14°♐01'23	-2°08'42	
direct	-7621 Sep 30 j 07:52	9°♐04'03		
evening set	-7620 Feb 03 j 00:33	28°♐14'15		
	-7620 Feb 10 j 15:11	0°♑		
conjunction	-7620 Feb 16 j 16:16	1°♑24'15	-1°32'03	
minimum elong	-7620 Feb 16 j 16:15	1°♑24'14	1°32'34	
max. Earth dist.	-7620 Feb 18 j 07:36	1°♑47'05	6.08385 AU	
morning rise	-7620 Mar 01 j 09:37	4°♑35'00		
retrograde	-7620 Jul 08 j 11:24	24°♑04'28		
opposition	-7620 Sep 05 j 18:37	19°♑00'17	-2°13'20	
min. Earth dist.	-7620 Sep 04 j 21:36	19°♑07'28	4.12286 AU	
direct	-7620 Nov 03 j 12:20	13°♑59'33		
	-7619 Feb 25 j 10:05	0°♒		
evening set	-7619 Mar 10 j 17:11	2°♒58'41		
conjunction	-7619 Mar 24 j 10:52	6°♒05'59	-1°19'15	
minimum elong	-7619 Mar 24 j 10:57	6°♒06'02	1°19'42	
max. Earth dist.	-7619 Mar 25 j 11:08	6°♒19'48	6.16639 AU	
morning rise	-7619 Apr 07 j 04:29	9°♒13'01		
	-7619 May 03 j 11:26	15°♒		
retrograde	-7619 Aug 10 j 20:33	27°♒49'59		
opposition	-7619 Oct 09 j 00:45	22°♒48'50	-1°32'06	
min. Earth dist.	-7619 Oct 08 j 15:31	22°♒51'57	4.21358 AU	
direct	-7619 Dec 07 j 23:22	17°♒45'32		
	-7618 Mar 16 j 08:05	0°♓		
evening set	-7618 Apr 15 j 02:25	6°♓24'26		
conjunction	-7618 Apr 28 j 18:03	9°♓27'04	-0°40'12	
minimum elong	-7618 Apr 28 j 18:07	9°♓27'06	0°40'26	
max. Earth dist.	-7618 Apr 28 j 22:27	9°♓29'31	6.25910 AU	
morning rise	-7618 May 12 j 07:17	12°♓28'25		
	-7618 Aug 30 j 05:28	0°♈		
retrograde	-7618 Sep 11 j 20:31	0°♈15'43		
	-7618 Sep 24 j 10:25	30°℞♓		
opposition	-7618 Nov 10 j 05:54	25°♓18'28	-0°23'17	
min. Earth dist.	-7618 Nov 10 j 10:02	25°♓17'06	4.29942 AU	
direct	-7617 Jan 10 j 09:58	20°♓14'23		
asc. node	-7617 Mar 12 j 09:49	25°♓23'57		
	-7617 Apr 07 j 19:48	0°♈		
evening set	-7617 May 18 j 21:01	8°♈32'55		
max. Earth dist.	-7617 May 31 j 11:21	11°♈19'43	6.33197 AU	
conjunction	-7617 Jun 01 j 05:29	11°♈29'44	0°10'23	
minimum elong	-7617 Jun 01 j 05:27	11°♈29'43	0°10'24	
behind sun begin	-7617 May 31 j 23:05	11°♈26'12		
behind sun end	-7617 Jun 01 j 11:50	11°♈33'14		
morning rise	-7617 Jun 14 j 10:44	14°♈24'49		
	-7617 Sep 10 j 10:00	0°♉		
retrograde	-7617 Oct 13 j 03:39	1°♉40'42		
	-7617 Nov 14 j 21:52	30°℞♈		
opposition	-7617 Dec 11 j 23:27	26°♈46'50	0°50'18	
min. Earth dist.	-7617 Dec 12 j 16:54	26°♈41'09	4.35419 AU	
direct	-7616 Feb 12 j 03:49	21°♈43'30		
	-7616 May 02 j 06:03	0°♉		
evening set	-7616 Jun 19 j 05:19	9°♉48'29		
max. Earth dist.	-7616 Jun 30 j 20:57	12°♉22'38	6.36387 AU	
conjunction	-7616 Jul 02 j 04:14	12°♉39'56	0°56'56	
minimum elong	-7616 Jul 02 j 04:10	12°♉39'54	0°57'14	
	-7616 Jul 12 j 17:37	15°♉		
morning rise	-7616 Jul 14 j 23:34	15°♉29'42		
	-7616 Oct 01 j 16:06	0°♊		
retrograde	-7616 Nov 12 j 10:29	2°♊38'42		
	-7616 Dec 24 j 20:39	30°℞♉		
opposition	-7615 Jan 11 j 21:08	27°♉46'52	1°48'33	
min. Earth dist.	-7615 Jan 12 j 21:40	27°♉39'01	4.36244 AU	
direct	-7615 Mar 15 j 10:28	22°♉45'43		
	-7615 May 28 j 15:46	0°♊		
evening set	-7615 Jul 20 j 15:17	10°♊46'22		
max. Earth dist.	-7615 Jul 31 j 16:13	13°♊13'55	6.34647 AU	
conjunction	-7615 Aug 02 j 05:22	13°♊34'41	1°26'59	
minimum elong	-7615 Aug 02 j 05:19	13°♊34'39	1°27'27	
morning rise	-7615 Aug 14 j 17:12	16°♊21'55		
	-7615 Oct 24 j 14:50	0°♋		
retrograde	-7615 Dec 14 j 15:14	3°♋48'23		
	-7614 Feb 05 j 04:15	30°℞♊		
opposition	-7614 Feb 13 j 13:21	28°♊56'47	2°16'13	
min. Earth dist.	-7614 Feb 14 j 15:41	28°♊48'25	4.32154 AU	
direct	-7614 Apr 16 j 22:03	23°♊58'27		
	-7614 Jun 22 j 05:45	0°♋		
evening set	-7614 Aug 20 j 18:42	12°♋03'56		
max. Earth dist.	-7614 Aug 31 j 21:22	14°♋34'58	6.28451 AU	
conjunction	-7614 Sep 02 j 04:57	14°♋52'55	1°32'07	
minimum elong	-7614 Sep 02 j 04:59	14°♋52'56	1°32'37	
morning rise	-7614 Sep 14 j 14:23	17°♋41'39		
	-7614 Nov 14 j 04:14	0°♌		
retrograde	-7613 Jan 17 j 01:46	5°♌45'21		
opposition	-7613 Mar 19 j 09:05	0°♌52'03	2°04'00	
min. Earth dist.	-7613 Mar 20 j 03:11	0°♌46'18	4.24265 AU	
	-7613 Mar 26 j 05:45	30°℞♋		

Attention, astronomical year style is used: The year -7613 in astronomical counting style is the year 7614 BCE in historical counting style.

direct	-7613 May 19 j 19:43	25°♋56'39	
	-7613 Jul 11 j 13:12	0°♌	
evening set	-7613 Sep 21 j 10:04	14°♌14'35	
	-7613 Sep 24 j 17:00	15°♌	
conjunction	-7613 Oct 03 j 22:29	17°♌08'07	1°09'19
minimum elong	-7613 Oct 03 j 22:33	17°♌08'10	1°09'43
max. Earth dist.	-7613 Oct 03 j 05:50	16°♌58'29	6.19573 AU
morning rise	-7613 Oct 16 j 11:57	20°♌02'24	
	-7613 Dec 01 j 16:31	0°♍	
retrograde	-7612 Feb 21 j 04:56	8°♍54'48	
opposition	-7612 Apr 22 j 11:11	3°♍58'17	1°11'36
min. Earth dist.	-7612 Apr 22 j 16:22	3°♍56'37	4.14951 AU
	-7612 May 28 j 14:28	30°℞♌	
direct	-7612 Jun 21 j 17:04	29°♌04'57	
	-7612 Jul 15 j 14:39	0°♍	
evening set	-7612 Oct 23 j 07:17	17°♍40'18	
conjunction	-7612 Nov 05 j 02:46	20°♍40'46	0°23'17
minimum elong	-7612 Nov 05 j 02:48	20°♍40'47	0°23'25
max. Earth dist.	-7612 Nov 05 j 06:58	20°♍43'14	6.10763 AU
morning rise	-7612 Nov 18 j 01:00	23°♍42'48	
	-7612 Dec 15 j 18:11	0°♎	
retrograde	-7611 Mar 28 j 12:29	13°♎21'32	
desc. node	-7611 Apr 22 j 16:23	12°♎22'16	
opposition	-7611 May 28 j 10:48	8°♎21'00	-0°07'35
min. Earth dist.	-7611 May 27 j 23:10	8°♎24'49	4.07368 AU
direct	-7611 Jul 26 j 09:27	3°♎28'03	
evening set	-7611 Nov 26 j 22:46	22°♎21'57	
conjunction	-7611 Dec 10 j 02:51	25°♎28'39	-0°32'03
minimum elong	-7611 Dec 10 j 02:47	25°♎28'37	0°32'13
max. Earth dist.	-7611 Dec 11 j 04:31	25°♎43'51	6.05106 AU
morning rise	-7611 Dec 23 j 10:23	28°♎37'14	
	-7611 Dec 29 j 08:00	0°♏	
	-7610 Mar 15 j 11:05	15°♏	
retrograde	-7610 May 04 j 07:05	18°♏42'35	
	-7610 Jun 23 j 09:43	15°℞♏	
opposition	-7610 Jul 03 j 14:42	13°♏38'39	-1°25'54
min. Earth dist.	-7610 Jul 02 j 16:10	13°♏46'14	4.04256 AU
direct	-7610 Aug 30 j 19:23	8°♏43'59	
	-7610 Nov 02 j 19:56	15°♏	
evening set	-7609 Jan 02 j 05:00	27°♏51'03	
	-7609 Jan 11 j 08:45	0°♐	
conjunction	-7609 Jan 15 j 16:20	1°♐00'56	-1°16'17
minimum elong	-7609 Jan 15 j 16:15	1°♐00'53	1°16'41
max. Earth dist.	-7609 Jan 17 j 08:00	1°♐24'16	6.04698 AU
morning rise	-7609 Jan 29 j 06:35	4°♐12'18	
retrograde	-7609 Jun 09 j 10:48	24°♐11'27	
min. Earth dist.	-7609 Aug 07 j 01:45	19°♐15'00	4.06744 AU
opposition	-7609 Aug 08 j 03:25	19°♐06'15	-2°12'19
direct	-7609 Oct 05 j 07:04	14°♐08'26	
	-7608 Jan 24 j 19:37	0°♑	
evening set	-7608 Feb 08 j 04:38	3°♑16'25	
conjunction	-7608 Feb 21 j 20:36	6°♑25'57	-1°32'11
minimum elong	-7608 Feb 21 j 20:36	6°♑25'58	1°32'42
max. Earth dist.	-7608 Feb 23 j 09:14	6°♑47'10	6.09705 AU
morning rise	-7608 Mar 06 j 14:17	9°♑36'10	
retrograde	-7608 Jul 13 j 04:21	28°♑57'38	
opposition	-7608 Sep 10 j 11:21	23°♑53'42	-2°09'56
min. Earth dist.	-7608 Sep 09 j 15:55	24°♑00'21	4.13774 AU
direct	-7608 Nov 08 j 09:28	18°♑52'27	
	-7607 Feb 07 j 17:32	0°♒	
evening set	-7607 Mar 15 j 16:36	7°♒47'54	
conjunction	-7607 Mar 29 j 10:23	10°♒54'33	-1°15'05
minimum elong	-7607 Mar 29 j 10:27	10°♒54'36	1°15'31
max. Earth dist.	-7607 Mar 30 j 08:49	11°♒07'17	6.18183 AU
morning rise	-7607 Apr 12 j 03:26	14°♒00'43	
	-7607 Apr 16 j 13:09	15°♒	
	-7607 Jul 06 j 12:40	0°♓	
retrograde	-7607 Aug 15 j 08:11	2°♓29'25	
	-7607 Sep 23 j 22:54	30°℞♒	
opposition	-7607 Oct 13 j 12:30	27°♒28'48	-1°23'41
min. Earth dist.	-7607 Oct 13 j 05:20	27°♒31'13	4.22795 AU
direct	-7607 Dec 12 j 15:00	22°♒25'17	
	-7606 Feb 25 j 03:15	0°♓	
evening set	-7606 Apr 19 j 20:14	11°♓00'43	
conjunction	-7606 May 03 j 11:02	14°♓02'33	-0°33'34
minimum elong	-7606 May 03 j 11:05	14°♓02'35	0°33'45
max. Earth dist.	-7606 May 03 j 10:14	14°♓02'06	6.27123 AU
morning rise	-7606 May 16 j 23:31	17°♓03'04	
	-7606 Jul 21 j 18:42	0°♈	
retrograde	-7606 Sep 16 j 04:40	4°♈44'48	
	-7606 Nov 13 j 02:56	30°℞♓	
opposition	-7606 Nov 14 j 15:02	29°♓48'01	-0°12'57
min. Earth dist.	-7606 Nov 14 j 21:54	29°♓45'44	4.30840 AU
direct	-7605 Jan 14 j 23:10	24°♓43'51	
asc. node	-7605 Jan 21 j 07:04	24°♓47'36	
	-7605 Mar 17 j 18:10	0°♈	
evening set	-7605 May 23 j 09:42	13°♈00'31	
conjunction	-7605 Jun 05 j 17:08	15°♈56'38	0°17'19
minimum elong	-7605 Jun 05 j 17:06	15°♈56'37	0°17'24
max. Earth dist.	-7605 Jun 04 j 21:18	15°♈45'40	6.33714 AU
morning rise	-7605 Jun 18 j 20:58	18°♈50'59	
	-7605 Aug 13 j 10:23	0°♉	
retrograde	-7605 Oct 17 j 10:53	6°♉05'13	
opposition	-7605 Dec 16 j 08:50	1°♉11'45	0°59'38
min. Earth dist.	-7605 Dec 17 j 03:29	1°♉05'41	4.35538 AU
	-7605 Dec 25 j 15:51	30°℞♈	
direct	-7604 Feb 16 j 14:22	26°♈08'40	
	-7604 Apr 09 j 05:33	0°♉	
evening set	-7604 Jun 23 j 15:12	14°♉13'35	
	-7604 Jun 27 j 03:31	15°♉	
max. Earth dist.	-7604 Jul 05 j 02:28	16°♉45'38	6.36077 AU
conjunction	-7604 Jul 06 j 12:40	17°♉04'35	1°02'17
minimum elong	-7604 Jul 06 j 12:36	17°♉04'33	1°02'37
morning rise	-7604 Jul 19 j 07:00	19°♉54'00	
	-7604 Sep 06 j 17:55	0°♊	
retrograde	-7604 Nov 16 j 22:27	7°♊05'19	
opposition	-7603 Jan 16 j 09:33	2°♊13'38	1°54'29
min. Earth dist.	-7603 Jan 17 j 11:34	2°♊05'18	4.35555 AU
	-7603 Feb 03 j 11:00	30°℞♉	
direct	-7603 Mar 19 j 23:37	27°♉12'48	
	-7603 May 03 j 05:40	0°♊	
evening set	-7603 Jul 25 j 00:29	15°♊15'02	
max. Earth dist.	-7603 Aug 05 j 01:59	17°♊43'17	6.33626 AU
conjunction	-7603 Aug 06 j 13:56	18°♊03'25	1°29'17
minimum elong	-7603 Aug 06 j 13:54	18°♊03'24	1°29'47
morning rise	-7603 Aug 19 j 01:01	20°♊50'47	
	-7603 Oct 01 j 17:48	0°♋	
retrograde	-7603 Dec 19 j 05:48	8°♋22'39	
opposition	-7602 Feb 18 j 06:17	3°♋30'54	2°16'58
min. Earth dist.	-7602 Feb 19 j 06:56	3°♋23'05	4.30898 AU
	-7602 Mar 21 j 03:22	30°℞♊	
direct	-7602 Apr 21 j 11:28	28°♊33'03	
	-7602 May 22 j 17:49	0°♋	
evening set	-7602 Aug 25 j 05:39	16°♋40'59	

Attention, astronomical year style is used: The year -7602 in astronomical counting style is the year 7603 BCE in historical counting style.

max. Earth dist.	-7602 Sep 05 j 10:01	19°♋13'31	6.27062 AU
conjunction	-7602 Sep 06 j 15:47	19°♋30'30	1°30'30
minimum elong	-7602 Sep 06 j 15:49	19°♋30'31	1°31'00
morning rise	-7602 Sep 19 j 01:32	22°♋19'55	
	-7602 Oct 24 j 09:42	0°♌	
retrograde	-7601 Jan 22 j 00:52	10°♌30'48	
opposition	-7601 Mar 24 j 07:31	5°♌37'07	1°58'46
min. Earth dist.	-7601 Mar 25 j 00:26	5°♌31'43	4.22830 AU
direct	-7601 May 24 j 15:28	0°♌42'04	
	-7601 Sep 08 j 04:20	15°♌	
evening set	-7601 Sep 26 j 00:32	19°♌02'30	
conjunction	-7601 Oct 08 j 13:46	21°♌56'58	1°03'54
minimum elong	-7601 Oct 08 j 13:51	21°♌57'00	1°04'16
max. Earth dist.	-7601 Oct 08 j 00:26	21°♌49'13	6.18233 AU
morning rise	-7601 Oct 21 j 04:18	24°♌52'17	
	-7601 Nov 12 j 21:57	0°♍	
retrograde	-7600 Feb 26 j 06:41	13°♍51'32	
opposition	-7600 Apr 27 j 13:16	8°♍54'27	1°01'24
min. Earth dist.	-7600 Apr 27 j 14:58	8°♍53'54	4.13816 AU
direct	-7600 Jun 26 j 13:46	4°♍01'19	
evening set	-7600 Oct 28 j 03:05	22°♍38'44	
conjunction	-7600 Nov 09 j 23:40	25°♍40'04	0°15'32
minimum elong	-7600 Nov 09 j 23:42	25°♍40'05	0°15'38
behind sun begin	-7600 Nov 09 j 21:31	25°♍38'48	
behind sun end	-7600 Nov 10 j 01:53	25°♍41'21	
max. Earth dist.	-7600 Nov 10 j 07:29	25°♍44'39	6.09924 AU
morning rise	-7600 Nov 22 j 23:12	28°♍43'02	
	-7600 Nov 28 j 11:27	0°♎	
desc. node	-7599 Mar 02 j 01:01	16°♎53'46	
retrograde	-7599 Apr 02 j 17:36	18°♎26'07	
opposition	-7599 Jun 02 j 13:56	13°♎25'00	-0°19'30
min. Earth dist.	-7599 Jun 02 j 00:42	13°♎29'22	4.06882 AU
direct	-7599 Jul 31 j 10:02	8°♎31'54	
evening set	-7599 Dec 01 j 23:33	27°♎27'04	
	-7599 Dec 12 j 18:46	0°♏	
conjunction	-7599 Dec 15 j 04:46	0°♏34'17	-0°39'27
minimum elong	-7599 Dec 15 j 04:42	0°♏34'15	0°39'40
max. Earth dist.	-7599 Dec 16 j 09:51	0°♏51'29	6.05001 AU
morning rise	-7599 Dec 28 j 13:22	3°♏43'22	
	-7598 Feb 18 j 05:44	15°♏	
retrograde	-7598 May 09 j 10:10	23°♏48'44	
opposition	-7598 Jul 08 j 15:50	18°♏44'32	-1°34'56
min. Earth dist.	-7598 Jul 07 j 16:16	18°♏52'28	4.04570 AU
	-7598 Aug 09 j 09:44	15°℞♏	
direct	-7598 Sep 04 j 19:00	13°♏49'33	
	-7598 Oct 01 j 05:21	15°♏	
	-7598 Dec 25 j 15:27	0°♐	
evening set	-7597 Jan 07 j 08:47	2°♐56'31	
conjunction	-7597 Jan 20 j 20:42	6°♐06'21	-1°20'28
minimum elong	-7597 Jan 20 j 20:38	6°♐06'19	1°20'54
max. Earth dist.	-7597 Jan 22 j 11:31	6°♐29'08	6.05361 AU
morning rise	-7597 Feb 03 j 11:41	9°♐17'40	
retrograde	-7597 Jun 14 j 08:34	29°♐12'23	
min. Earth dist.	-7597 Aug 11 j 22:56	24°♐15'52	4.07704 AU
opposition	-7597 Aug 13 j 00:12	24°♐07'14	-2°14'59
direct	-7597 Oct 10 j 06:06	19°♐08'55	
	-7596 Jan 06 j 20:26	0°♑	
evening set	-7596 Feb 13 j 07:38	8°♑15'16	
conjunction	-7596 Feb 27 j 00:11	11°♑24'29	-1°31'42
minimum elong	-7596 Feb 27 j 00:12	11°♑24'30	1°32'12
max. Earth dist.	-7596 Feb 28 j 12:23	11°♑45'23	6.10891 AU
morning rise	-7596 Mar 11 j 17:48	14°♑34'10	
	-7596 May 28 j 23:52	0°♒	
retrograde	-7596 Jul 17 j 21:55	3°♒48'23	
	-7596 Sep 05 j 20:49	30°℞♑	
min. Earth dist.	-7596 Sep 14 j 09:51	28°♑50'50	4.15063 AU
opposition	-7596 Sep 15 j 03:15	28°♑44'54	-2°05'46
direct	-7596 Nov 13 j 04:52	23°♑43'18	
	-7595 Jan 18 j 01:13	0°♒	
evening set	-7595 Mar 20 j 15:50	12°♒36'06	
	-7595 Mar 31 j 06:53	15°♒	
conjunction	-7595 Apr 03 j 09:25	15°♒42'10	-1°10'28
minimum elong	-7595 Apr 03 j 09:30	15°♒42'12	1°10'52
max. Earth dist.	-7595 Apr 04 j 03:41	15°♒52'29	6.19476 AU
morning rise	-7595 Apr 17 j 02:16	18°♒47'40	
	-7595 Jun 10 j 04:18	0°♓	
retrograde	-7595 Aug 19 j 19:14	7°♓09'17	
opposition	-7595 Oct 18 j 00:36	2°♓09'12	-1°14'48
min. Earth dist.	-7595 Oct 17 j 19:17	2°♓10'59	4.23975 AU
	-7595 Nov 03 j 13:19	30°℞♒	
direct	-7595 Dec 17 j 06:42	27°♒05'30	
	-7594 Jan 30 j 11:46	0°♓	
evening set	-7594 Apr 24 j 14:14	15°♓38'27	
conjunction	-7594 May 08 j 04:22	18°♓39'35	-0°26'41
minimum elong	-7594 May 08 j 04:24	18°♓39'37	0°26'50
max. Earth dist.	-7594 May 08 j 01:04	18°♓37'46	6.28124 AU
morning rise	-7594 May 21 j 15:47	21°♓39'17	
	-7594 Jun 30 j 08:05	0°♈	
retrograde	-7594 Sep 20 j 14:09	9°♈16'25	
opposition	-7594 Nov 19 j 01:25	4°♈20'13	-0°02'27
min. Earth dist.	-7594 Nov 19 j 10:24	4°♈17'15	4.31579 AU
asc. node	-7594 Dec 01 j 20:27	2°♈40'37	
	-7594 Dec 28 j 19:47	30°℞♓	
direct	-7593 Jan 19 j 13:05	29°♓16'10	
	-7593 Feb 10 j 11:50	0°♈	
evening set	-7593 May 27 j 23:25	17°♈31'20	
max. Earth dist.	-7593 Jun 09 j 06:07	20°♈13'51	6.34124 AU
conjunction	-7593 Jun 10 j 05:31	20°♈26'46	0°24'16
minimum elong	-7593 Jun 10 j 05:28	20°♈26'45	0°24'24
morning rise	-7593 Jun 23 j 08:11	23°♈20'27	
	-7593 Jul 24 j 17:56	0°♉	
retrograde	-7593 Oct 21 j 20:13	10°♉33'32	
opposition	-7593 Dec 20 j 19:47	5°♉40'24	1°08'47
min. Earth dist.	-7593 Dec 21 j 15:57	5°♉33'51	4.35623 AU
direct	-7592 Feb 21 j 03:19	0°♉37'33	
	-7592 Jun 10 j 23:04	15°♉	
evening set	-7592 Jun 28 j 01:59	18°♉42'23	
conjunction	-7592 Jul 10 j 22:19	21°♉32'57	1°07'23
minimum elong	-7592 Jul 10 j 22:14	21°♉32'54	1°07'44
max. Earth dist.	-7592 Jul 09 j 12:38	21°♉14'15	6.35832 AU
morning rise	-7592 Jul 23 j 15:18	24°♉21'56	
	-7592 Aug 18 j 21:31	0°♊	
retrograde	-7592 Nov 21 j 09:33	11°♊35'23	
opposition	-7591 Jan 20 j 23:11	6°♊43'52	1°59'52
min. Earth dist.	-7591 Jan 22 j 00:56	6°♊35'39	4.35027 AU
direct	-7591 Mar 24 j 12:43	1°♊43'31	
evening set	-7591 Jul 29 j 10:14	19°♊46'30	
max. Earth dist.	-7591 Aug 09 j 10:21	22°♊14'22	6.32850 AU
conjunction	-7591 Aug 10 j 22:44	22°♊34'49	1°31'07
minimum elong	-7591 Aug 10 j 22:42	22°♊34'48	1°31'37
morning rise	-7591 Aug 23 j 09:25	25°♊22'16	
	-7591 Sep 13 j 13:09	0°♋	
retrograde	-7591 Dec 23 j 22:44	12°♋58'49	

Attention, astronomical year style is used: The year -7590 in astronomical counting style is the year 7591 BCE in historical counting style.

opposition	-7590 Feb 23 j 00:03	8°♋06'54	2°16'55
min. Earth dist.	-7590 Feb 24 j 00:07	7°♋59'15	4.29940 AU
direct	-7590 Apr 26 j 03:45	3°♋09'27	
evening set	-7590 Aug 29 j 16:11	21°♋18'33	
max. Earth dist.	-7590 Sep 09 j 23:50	23°♋53'17	6.26019 AU
conjunction	-7590 Sep 11 j 02:31	24°♋08'31	1°28'22
minimum elong	-7590 Sep 11 j 02:34	24°♋08'33	1°28'51
morning rise	-7590 Sep 23 j 12:26	26°♋58'30	
	-7590 Oct 06 j 23:44	0°♌	
	-7589 Jan 14 j 02:20	15°♌	
retrograde	-7589 Jan 26 j 20:33	15°♌15'08	
	-7589 Feb 08 j 15:53	15°℞♌	
opposition	-7589 Mar 29 j 04:51	10°♌21'03	1°52'49
min. Earth dist.	-7589 Mar 29 j 19:06	10°♌16'31	4.21778 AU
direct	-7589 May 29 j 08:27	5°♌26'23	
	-7589 Aug 21 j 07:05	15°♌	
evening set	-7589 Sep 30 j 14:04	23°♌48'02	
conjunction	-7589 Oct 13 j 03:58	26°♌43'13	0°58'10
minimum elong	-7589 Oct 13 j 04:02	26°♌43'16	0°58'29
max. Earth dist.	-7589 Oct 12 j 17:03	26°♌36'52	6.17268 AU
morning rise	-7589 Oct 25 j 19:34	29°♌39'26	
	-7589 Oct 27 j 07:14	0°♍	
retrograde	-7588 Mar 02 j 07:32	18°♍44'08	
opposition	-7588 May 02 j 13:09	13°♍46'25	0°50'56
min. Earth dist.	-7588 May 02 j 12:51	13°♍46'31	4.12986 AU
direct	-7588 Jul 01 j 10:17	8°♍53'20	
evening set	-7588 Nov 01 j 20:42	27°♍31'58	
	-7588 Nov 12 j 08:42	0°♎	
conjunction	-7588 Nov 14 j 18:32	0°♎34'04	0°07'52
minimum elong	-7588 Nov 14 j 18:33	0°♎34'04	0°07'56
behind sun begin	-7588 Nov 14 j 11:16	0°♎29'48	
behind sun end	-7588 Nov 15 j 01:50	0°♎38'20	
max. Earth dist.	-7588 Nov 15 j 06:06	0°♎40'52	6.09315 AU
morning rise	-7588 Nov 27 j 19:16	3°♎37'51	
desc. node	-7587 Jan 10 j 05:57	13°♎13'50	
retrograde	-7587 Apr 07 j 18:58	23°♎24'12	
opposition	-7587 Jun 07 j 13:59	18°♎22'34	-0°30'59
min. Earth dist.	-7587 Jun 06 j 23:05	18°♎27'30	4.06558 AU
direct	-7587 Aug 05 j 06:59	13°♎29'20	
	-7587 Nov 26 j 12:22	0°♏	
evening set	-7587 Dec 06 j 22:02	2°♏25'27	
conjunction	-7587 Dec 20 j 04:04	5°♏33'04	-0°46'22
minimum elong	-7587 Dec 20 j 04:00	5°♏33'01	0°46'38
max. Earth dist.	-7587 Dec 21 j 09:31	5°♏50'28	6.04958 AU
morning rise	-7586 Jan 02 j 13:45	8°♏42'33	
	-7586 Jan 30 j 04:15	15°♏	
retrograde	-7586 May 14 j 08:56	28°♏47'39	
opposition	-7586 Jul 13 j 13:29	23°♏43'08	-1°43'02
min. Earth dist.	-7586 Jul 12 j 13:11	23°♏51'21	4.04826 AU
direct	-7586 Sep 09 j 16:23	18°♏47'41	
	-7586 Dec 08 j 02:55	0°♐	
evening set	-7585 Jan 12 j 10:03	7°♐55'00	
conjunction	-7585 Jan 25 j 22:53	11°♐04'55	-1°23'58
minimum elong	-7585 Jan 25 j 22:49	11°♐04'53	1°24'26
max. Earth dist.	-7585 Jan 27 j 14:51	11°♐28'20	6.05886 AU
morning rise	-7585 Feb 08 j 14:14	14°♐16'08	
	-7585 Apr 27 j 23:58	0°♑	
retrograde	-7585 Jun 19 j 05:42	4°♑06'50	
	-7585 Aug 10 j 14:50	30°℞♐	
opposition	-7585 Aug 17 j 18:18	29°♐01'47	-2°16'40
min. Earth dist.	-7585 Aug 16 j 18:38	29°♐09'52	4.08451 AU
direct	-7585 Oct 15 j 02:11	24°♐03'00	
	-7585 Dec 16 j 23:36	0°♑	
evening set	-7584 Feb 18 j 08:42	13°♑08'33	
conjunction	-7584 Mar 03 j 01:32	16°♑17'33	-1°30'34
minimum elong	-7584 Mar 03 j 01:34	16°♑17'34	1°31'04
max. Earth dist.	-7584 Mar 04 j 10:49	16°♑36'42	6.11782 AU
morning rise	-7584 Mar 16 j 19:28	19°♑26'54	
	-7584 May 05 j 05:07	0°♒	
retrograde	-7584 Jul 22 j 11:59	8°♒34'59	
opposition	-7584 Sep 19 j 17:37	3°♒31'52	-2°00'51
min. Earth dist.	-7584 Sep 19 j 01:14	3°♒37'28	4.16018 AU
	-7584 Oct 18 j 14:41	30°℞♑	
direct	-7584 Nov 17 j 21:47	28°♑29'54	
	-7584 Dec 18 j 15:08	0°♒	
	-7583 Mar 15 j 00:13	15°♒	
evening set	-7583 Mar 25 j 13:53	17°♒21'10	
conjunction	-7583 Apr 08 j 07:21	20°♒26'48	-1°05'25
minimum elong	-7583 Apr 08 j 07:26	20°♒26'51	1°05'46
max. Earth dist.	-7583 Apr 08 j 22:45	20°♒35'30	6.20448 AU
morning rise	-7583 Apr 21 j 23:43	23°♒31'42	
	-7583 May 21 j 19:06	0°♓	
retrograde	-7583 Aug 24 j 07:51	11°♓47'29	
opposition	-7583 Oct 22 j 12:29	6°♓47'58	-1°05'30
min. Earth dist.	-7583 Oct 22 j 09:47	6°♓48'52	4.24866 AU
direct	-7583 Dec 21 j 23:23	1°♓44'09	
evening set	-7582 Apr 29 j 08:16	20°♓15'25	
conjunction	-7582 May 12 j 21:35	23°♓15'57	-0°19'38
minimum elong	-7582 May 12 j 21:37	23°♓15'58	0°19'46
max. Earth dist.	-7582 May 12 j 15:24	23°♓12'31	6.28881 AU
morning rise	-7582 May 26 j 08:02	26°♓14'57	
	-7582 Jun 12 j 13:43	0°♈	
retrograde	-7582 Sep 24 j 22:54	13°♈48'14	
asc. node	-7582 Oct 12 j 06:07	13°♈18'54	
opposition	-7582 Nov 23 j 12:16	8°♈52'30	0°08'05
min. Earth dist.	-7582 Nov 23 j 22:18	8°♈49'11	4.32165 AU
direct	-7581 Jan 24 j 02:34	3°♈48'32	
evening set	-7581 Jun 01 j 13:23	22°♈02'29	
conjunction	-7581 Jun 14 j 18:10	24°♈57'13	0°31'06
minimum elong	-7581 Jun 14 j 18:07	24°♈57'12	0°31'16
max. Earth dist.	-7581 Jun 13 j 17:46	24°♈43'43	6.34504 AU
morning rise	-7581 Jun 27 j 19:26	27°♈50'11	
	-7581 Jul 07 j 17:29	0°♉	
	-7581 Oct 21 j 12:51	15°♉	
retrograde	-7581 Oct 26 j 06:23	15°♉02'10	
	-7581 Oct 31 j 00:02	15°℞♉	
opposition	-7581 Dec 25 j 07:35	10°♉09'23	1°17'34
min. Earth dist.	-7581 Dec 26 j 04:52	10°♉02'30	4.35778 AU
direct	-7580 Feb 25 j 17:32	5°♉06'52	
	-7580 May 24 j 09:37	15°♉	
evening set	-7580 Jul 02 j 12:43	23°♉10'56	
max. Earth dist.	-7580 Jul 13 j 20:27	25°♉41'24	6.35716 AU
conjunction	-7580 Jul 15 j 07:40	26°♉00'58	1°12'06
minimum elong	-7580 Jul 15 j 07:36	26°♉00'55	1°12'30
morning rise	-7580 Jul 27 j 23:36	28°♉49'31	
	-7580 Aug 02 j 07:41	0°♊	
retrograde	-7580 Nov 25 j 21:24	16°♊04'42	
opposition	-7579 Jan 25 j 13:07	11°♊13'10	2°04'33
min. Earth dist.	-7579 Jan 26 j 14:47	11°♊04'59	4.34661 AU
direct	-7579 Mar 29 j 02:20	6°♊13'09	
evening set	-7579 Aug 02 j 19:19	24°♊16'10	
max. Earth dist.	-7579 Aug 13 j 20:57	26°♊45'07	6.32240 AU
conjunction	-7579 Aug 15 j 07:14	27°♊04'25	1°32'25

Attention, astronomical year style is used: The year -7579 in astronomical counting style is the year 7580 BCE in historical counting style.

minimum elong	-7579 Aug 15 j 07:13	27°♊04'25	1°32'55	
morning rise	-7579 Aug 27 j 17:14	29°♊51'52		
	-7579 Aug 28 j 07:47	0°♋		
retrograde	-7579 Dec 28 j 13:46	17°♋32'31		
opposition	-7578 Feb 27 j 16:56	12°♋40'26	2°16'03	
min. Earth dist.	-7578 Feb 28 j 16:03	12°♋33'06	4.29108 AU	
direct	-7578 Apr 30 j 18:13	7°♋43'25		
evening set	-7578 Sep 03 j 01:53	25°♋53'23		
max. Earth dist.	-7578 Sep 14 j 09:58	28°♋28'47	6.25013 AU	
conjunction	-7578 Sep 15 j 12:12	28°♋43'48	1°25'43	
minimum elong	-7578 Sep 15 j 12:15	28°♋43'50	1°26'12	
	-7578 Sep 21 j 01:16	0°♌		
morning rise	-7578 Sep 27 j 22:41	1°♌34'25		
	-7578 Dec 03 j 18:48	15°♌		
retrograde	-7577 Jan 31 j 17:26	19°♌57'03		
opposition	-7577 Apr 03 j 01:24	15°♌02'30	1°46'12	
	-7577 Apr 03 j 09:14	15°℞♌		
min. Earth dist.	-7577 Apr 03 j 14:02	14°♌58'28	4.20637 AU	
direct	-7577 Jun 03 j 01:11	10°♌08'05		
	-7577 Jul 30 j 16:19	15°♌		
evening set	-7577 Oct 05 j 02:42	28°♌31'36		
	-7577 Oct 11 j 11:03	0°♍		
conjunction	-7577 Oct 17 j 17:39	1°♍27'43	0°52'05	
minimum elong	-7577 Oct 17 j 17:43	1°♍27'45	0°52'22	
max. Earth dist.	-7577 Oct 17 j 10:23	1°♍23'29	6.16110 AU	
morning rise	-7577 Oct 30 j 10:15	4°♍24'55		
retrograde	-7576 Mar 07 j 08:10	23°♍35'59		
opposition	-7576 May 07 j 12:33	18°♍37'46	0°40'09	
min. Earth dist.	-7576 May 07 j 10:33	18°♍38'25	4.11895 AU	
direct	-7576 Jul 06 j 05:02	13°♍44'49		
	-7576 Oct 27 j 03:37	0°♎		
evening set	-7576 Nov 06 j 15:08	2°♎26'06		
conjunction	-7576 Nov 19 j 13:59	5°♎29'06	0°00'04	
minimum elong	-7576 Nov 19 j 13:59	5°♎29'06	0°00'05	
behind sun begin	-7576 Nov 19 j 06:12	5°♎24'32		
behind sun end	-7576 Nov 19 j 21:45	5°♎33'39		
max. Earth dist.	-7576 Nov 20 j 02:47	5°♎36'38	6.08379 AU	
desc. node	-7576 Nov 20 j 00:39	5°♎35'22		
morning rise	-7576 Dec 02 j 16:10	8°♎33'54		
retrograde	-7575 Apr 12 j 20:28	28°♎24'57		
opposition	-7575 Jun 12 j 14:25	23°♎22'48	-0°42'21	
min. Earth dist.	-7575 Jun 11 j 21:32	23°♎28'24	4.05866 AU	
direct	-7575 Aug 10 j 04:23	18°♎29'19		
	-7575 Nov 08 j 23:04	0°♏		
evening set	-7575 Dec 11 j 22:19	7°♏28'13		
conjunction	-7575 Dec 25 j 05:38	10°♏36'30	-0°53'03	
minimum elong	-7575 Dec 25 j 05:33	10°♏36'27	0°53'19	
max. Earth dist.	-7575 Dec 26 j 14:14	10°♏55'45	6.04568 AU	
morning rise	-7574 Jan 07 j 16:11	13°♏46'33		
	-7574 Jan 12 j 22:03	15°♏		
	-7574 Mar 29 j 14:59	0°♐		
retrograde	-7574 May 19 j 12:35	3°♐52'36		
	-7574 Jul 09 j 14:05	30°℞♏		
opposition	-7574 Jul 18 j 13:12	28°♏47'53	-1°50'32	
min. Earth dist.	-7574 Jul 17 j 13:15	28°♏56'00	4.04790 AU	
direct	-7574 Sep 14 j 15:53	23°♏52'02		
	-7574 Nov 17 j 00:08	0°♐		
evening set	-7573 Jan 17 j 14:23	13°♐00'53		
conjunction	-7573 Jan 31 j 03:51	16°♐10'59	-1°26'56	
minimum elong	-7573 Jan 31 j 03:48	16°♐10'57	1°27'25	
max. Earth dist.	-7573 Feb 01 j 18:58	16°♐33'51	6.06177 AU	
morning rise	-7573 Feb 13 j 19:58	19°♐22'18		
	-7573 Apr 03 j 17:16	0°♑		
retrograde	-7573 Jun 24 j 03:04	9°♑09'33		
opposition	-7573 Aug 22 j 15:08	4°♑04'38	-2°17'24	
min. Earth dist.	-7573 Aug 21 j 15:11	4°♑12'50	4.09056 AU	
	-7573 Sep 26 j 20:20	30°℞♐		
direct	-7573 Oct 19 j 23:44	29°♐05'24		
	-7573 Nov 12 j 09:17	0°♑		
evening set	-7572 Feb 23 j 13:11	18°♑10'38		
conjunction	-7572 Mar 08 j 06:26	21°♑19'26	-1°28'46	
minimum elong	-7572 Mar 08 j 06:28	21°♑19'27	1°29'15	
max. Earth dist.	-7572 Mar 09 j 14:04	21°♑37'37	6.12667 AU	
morning rise	-7572 Mar 22 j 00:23	24°♑28'24		
	-7572 Apr 15 j 20:35	0°♒		
retrograde	-7572 Jul 27 j 07:04	13°♒30'06		
opposition	-7572 Sep 24 j 11:07	8°♒27'27	-1°54'58	
min. Earth dist.	-7572 Sep 23 j 20:54	8°♒32'18	4.17091 AU	
direct	-7572 Nov 22 j 19:58	3°♒25'11		
	-7571 Feb 25 j 02:47	15°♒		
evening set	-7571 Mar 30 j 14:53	22°♒14'13		
conjunction	-7571 Apr 13 j 08:11	25°♒19'17	-0°59'48	
minimum elong	-7571 Apr 13 j 08:16	25°♒19'20	1°00'08	
max. Earth dist.	-7571 Apr 13 j 22:04	25°♒27'06	6.21667 AU	
morning rise	-7571 Apr 26 j 23:59	28°♒23'28		
	-7571 May 04 j 05:37	0°♓		
retrograde	-7571 Aug 28 j 20:14	16°♓32'15		
opposition	-7571 Oct 27 j 02:44	11°♓33'16	-0°55'37	
min. Earth dist.	-7571 Oct 27 j 00:27	11°♓34'03	4.26145 AU	
direct	-7571 Dec 26 j 17:06	6°♓29'23		
evening set	-7570 May 04 j 03:40	24°♓57'15		
conjunction	-7570 May 17 j 15:52	27°♓56'48	-0°12'25	
minimum elong	-7570 May 17 j 15:53	27°♓56'49	0°12'29	
behind sun begin	-7570 May 17 j 10:39	27°♓53'55		
behind sun end	-7570 May 17 j 21:07	27°♓59'43		
max. Earth dist.	-7570 May 17 j 07:13	27°♓52'01	6.30159 AU	
	-7570 May 26 j 21:56	0°♈		
morning rise	-7570 May 31 j 01:12	0°♈54'48		
asc. node	-7570 Aug 22 j 01:35	16°♈05'04		
retrograde	-7570 Sep 29 j 09:57	18°♈22'33		
opposition	-7570 Nov 28 j 00:24	13°♈27'17	0°18'33	
min. Earth dist.	-7570 Nov 28 j 12:25	13°♈23'20	4.33342 AU	
direct	-7569 Jan 28 j 19:47	8°♈23'26		
evening set	-7569 Jun 06 j 02:44	26°♈33'43		
max. Earth dist.	-7569 Jun 18 j 04:22	29°♈13'13	6.35482 AU	
conjunction	-7569 Jun 19 j 06:07	29°♈27'26	0°37'40	
minimum elong	-7569 Jun 19 j 06:04	29°♈27'25	0°37'52	
	-7569 Jun 21 j 17:02	0°♉		
morning rise	-7569 Jul 02 j 05:53	2°♉19'23		
	-7569 Sep 05 j 12:22	15°♉		
retrograde	-7569 Oct 30 j 13:40	19°♉28'26		
	-7569 Dec 26 j 15:26	15°℞♉		
opposition	-7569 Dec 29 j 18:22	14°♉35'51	1°25'40	
min. Earth dist.	-7569 Dec 30 j 15:49	14°♉28'56	4.36512 AU	
direct	-7568 Mar 01 j 05:38	9°♉33'35		
	-7568 May 03 j 17:02	15°♉		
evening set	-7568 Jul 06 j 21:09	27°♉34'48		
	-7568 Jul 17 j 19:27	0°♊		
max. Earth dist.	-7568 Jul 18 j 03:34	0°♊04'30	6.36136 AU	
conjunction	-7568 Jul 19 j 14:47	0°♊24'05	1°16'16	
minimum elong	-7568 Jul 19 j 14:43	0°♊24'02	1°16'41	
morning rise	-7568 Aug 01 j 05:28	3°♊11'57		
retrograde	-7568 Nov 30 j 06:43	20°♊27'16		
opposition	-7567 Jan 30 j 00:29	15°♊35'47	2°08'16	

Attention, astronomical year style is used: The year -7567 in astronomical counting style is the year 7568 BCE in historical counting style.

min. Earth dist.	-7567 Jan 31 j 02:58	15°♊27'22	4.34732 AU
direct	-7567 Apr 02 j 14:20	10°♊36'09	
evening set	-7567 Aug 07 j 00:48	28°♊37'39	
	-7567 Aug 13 j 03:43	0°♋	
max. Earth dist.	-7567 Aug 18 j 00:31	1°♋05'43	6.31933 AU
conjunction	-7567 Aug 19 j 12:00	1°♋25'43	1°33'06
minimum elong	-7567 Aug 19 j 12:00	1°♋25'42	1°33'36
morning rise	-7567 Aug 31 j 21:45	4°♋13'09	
retrograde	-7566 Jan 02 j 01:38	21°♋57'10	
opposition	-7566 Mar 04 j 06:22	17°♋04'49	2°14'20
min. Earth dist.	-7566 Mar 05 j 04:41	16°♋57'43	4.28431 AU
direct	-7566 May 05 j 04:45	12°♋08'05	
	-7566 Sep 05 j 22:58	0°♌	
evening set	-7566 Sep 07 j 07:36	0°♌18'33	
conjunction	-7566 Sep 19 j 18:20	3°♌09'30	1°22'39
minimum elong	-7566 Sep 19 j 18:23	3°♌09'32	1°23'06
max. Earth dist.	-7566 Sep 18 j 18:26	2°♌55'47	6.24035 AU
morning rise	-7566 Oct 02 j 05:08	6°♌00'42	
	-7566 Nov 12 j 21:19	15°♌	
retrograde	-7565 Feb 05 j 10:26	24°♌29'20	
opposition	-7565 Apr 07 j 18:03	19°♌34'26	1°39'09
min. Earth dist.	-7565 Apr 08 j 06:07	19°♌30'34	4.19405 AU
	-7565 May 24 j 03:34	15°℞♌	
direct	-7565 Jun 07 j 14:05	14°♌40'16	
	-7565 Jun 21 j 23:30	15°♌	
	-7565 Sep 25 j 23:13	0°♍	
evening set	-7565 Oct 09 j 12:30	3°♍06'23	
conjunction	-7565 Oct 22 j 04:15	6°♍03'28	0°45'52
minimum elong	-7565 Oct 22 j 04:19	6°♍03'30	0°46'08
max. Earth dist.	-7565 Oct 21 j 21:19	5°♍59'25	6.14741 AU
morning rise	-7565 Nov 03 j 22:14	9°♍01'50	
retrograde	-7564 Mar 12 j 05:05	28°♍20'13	
opposition	-7564 May 12 j 08:44	23°♍21'28	0°29'26
min. Earth dist.	-7564 May 12 j 04:31	23°♍22'50	4.10493 AU
direct	-7564 Jul 10 j 20:26	18°♍28'32	
desc. node	-7564 Oct 01 j 12:03	28°♍08'51	
	-7564 Oct 10 j 08:47	0°♎	
evening set	-7564 Nov 11 j 07:28	7°♎14'01	
conjunction	-7564 Nov 24 j 07:46	10°♎18'11	-0°07'32
minimum elong	-7564 Nov 24 j 07:45	10°♎18'10	0°07'35
behind sun begin	-7564 Nov 24 j 00:21	10°♎13'49	
behind sun end	-7564 Nov 24 j 15:09	10°♎22'32	
max. Earth dist.	-7564 Nov 25 j 00:15	10°♎27'55	6.07093 AU
morning rise	-7564 Dec 07 j 11:10	13°♎24'08	
	-7563 Mar 01 j 13:00	0°♏	
retrograde	-7563 Apr 17 j 23:35	3°♏21'16	
	-7563 Jun 04 j 14:59	30°℞♎	
opposition	-7563 Jun 17 j 13:24	28°♎18'44	-0°53'10
min. Earth dist.	-7563 Jun 16 j 19:59	28°♎24'32	4.04832 AU
direct	-7563 Aug 15 j 00:43	23°♎25'05	
	-7563 Oct 19 j 20:14	0°♏	
evening set	-7563 Dec 16 j 22:21	12°♏28'14	
	-7563 Dec 27 j 15:35	15°♏	
conjunction	-7563 Dec 30 j 06:37	15°♏37'16	-0°59'11
minimum elong	-7563 Dec 30 j 06:32	15°♏37'13	0°59'30
max. Earth dist.	-7563 Dec 31 j 16:04	15°♏57'02	6.03869 AU
morning rise	-7562 Jan 12 j 18:25	18°♏48'07	
	-7562 Mar 05 j 00:21	0°♐	
retrograde	-7562 May 24 j 13:21	8°♐55'59	
min. Earth dist.	-7562 Jul 22 j 10:28	3°♐59'48	4.04539 AU
opposition	-7562 Jul 23 j 12:08	3°♐51'06	-1°57'05
	-7562 Aug 25 j 06:29	30°℞♏	
direct	-7562 Sep 19 j 12:44	28°♏54'51	
	-7562 Oct 14 j 22:29	0°♐	
evening set	-7561 Jan 22 j 19:08	18°♐06'04	
conjunction	-7561 Feb 05 j 09:26	21°♐16'24	-1°29'09
minimum elong	-7561 Feb 05 j 09:24	21°♐16'23	1°29'38
max. Earth dist.	-7561 Feb 07 j 01:08	21°♐39'37	6.06389 AU
morning rise	-7561 Feb 19 j 02:02	24°♐27'49	
	-7561 Mar 15 j 12:59	0°♑	
retrograde	-7561 Jun 29 j 02:09	14°♑11'31	
opposition	-7561 Aug 27 j 11:51	9°♑06'43	-2°17'01
min. Earth dist.	-7561 Aug 26 j 13:04	9°♑14'31	4.09699 AU
direct	-7561 Oct 24 j 23:21	4°♑07'00	
evening set	-7560 Feb 28 j 17:29	23°♑11'26	
conjunction	-7560 Mar 13 j 11:07	26°♑19'57	-1°26'16
minimum elong	-7560 Mar 13 j 11:11	26°♑19'59	1°26'45
max. Earth dist.	-7560 Mar 14 j 18:31	26°♑37'56	6.13679 AU
morning rise	-7560 Mar 27 j 05:03	29°♑28'27	
	-7560 Mar 29 j 12:39	0°♒	
	-7560 Jun 15 j 05:08	15°♒	
retrograde	-7560 Jul 31 j 23:23	18°♒22'55	
	-7560 Sep 16 j 18:22	15°℞♒	
opposition	-7560 Sep 29 j 03:52	13°♒20'40	-1°48'16
min. Earth dist.	-7560 Sep 28 j 13:54	13°♒25'26	4.18342 AU
direct	-7560 Nov 27 j 15:54	8°♒18'04	
	-7559 Feb 04 j 12:37	15°♒	
evening set	-7559 Apr 04 j 14:40	27°♒03'59	
	-7559 Apr 17 j 16:38	0°♓	
conjunction	-7559 Apr 18 j 07:23	0°♓08'17	-0°53'49
minimum elong	-7559 Apr 18 j 07:28	0°♓08'20	0°54'07
max. Earth dist.	-7559 Apr 18 j 17:31	0°♓13'59	6.23033 AU
morning rise	-7559 May 01 j 22:38	3°♓11'37	
retrograde	-7559 Sep 02 j 09:11	21°♓13'10	
opposition	-7559 Oct 31 j 15:53	16°♓14'41	-0°45'27
min. Earth dist.	-7559 Oct 31 j 16:15	16°♓14'34	4.27457 AU
direct	-7559 Dec 31 j 11:59	11°♓10'39	
evening set	-7558 May 08 j 21:19	29°♓35'06	
	-7558 May 10 j 18:34	0°♈	
conjunction	-7558 May 22 j 08:36	2°♈33'47	-0°05'10
minimum elong	-7558 May 22 j 08:36	2°♈33'47	0°05'12
behind sun begin	-7558 May 22 j 00:39	2°♈29'24	
behind sun end	-7558 May 22 j 16:32	2°♈38'10	
max. Earth dist.	-7558 May 21 j 22:17	2°♈28'05	6.31297 AU
morning rise	-7558 Jun 04 j 16:32	5°♈30'47	
asc. node	-7558 Jul 01 j 06:20	11°♈12'16	
retrograde	-7558 Oct 03 j 18:05	22°♈53'52	
opposition	-7558 Dec 02 j 11:16	17°♈59'03	0°28'53
min. Earth dist.	-7558 Dec 03 j 00:05	17°♈54'51	4.34218 AU
direct	-7557 Feb 02 j 08:40	12°♈55'21	
	-7557 Jun 05 j 19:09	0°♉	
evening set	-7557 Jun 10 j 15:15	1°♉03'21	
conjunction	-7557 Jun 23 j 17:05	3°♉56'14	0°44'04
minimum elong	-7557 Jun 23 j 17:01	3°♉56'12	0°44'17
max. Earth dist.	-7557 Jun 22 j 12:32	3°♉40'28	6.36007 AU
morning rise	-7557 Jul 06 j 15:34	6°♉47'25	
	-7557 Aug 15 j 00:24	15°♉	
retrograde	-7557 Nov 04 j 00:30	23°♉55'30	
opposition	-7556 Jan 03 j 05:50	19°♉03'14	1°33'27
min. Earth dist.	-7556 Jan 04 j 05:26	18°♉55'38	4.36657 AU
	-7556 Feb 09 j 03:05	15°℞♉	
direct	-7556 Mar 05 j 19:22	14°♉01'15	
	-7556 Mar 31 j 13:53	15°♉	
	-7556 Jul 01 j 23:45	0°♊	

Attention, astronomical year style is used: The year -7556 in astronomical counting style is the year 7557 BCE in historical counting style.

evening set	-7556 Jul 11 j 06:13	2°♊01'45	
max. Earth dist.	-7556 Jul 22 j 10:32	4°♊30'29	6.35863 AU
conjunction	-7556 Jul 23 j 22:46	4°♊50'38	1°20'06
minimum elong	-7556 Jul 23 j 22:42	4°♊50'36	1°20'32
morning rise	-7556 Aug 05 j 12:26	7°♊38'12	
retrograde	-7556 Dec 04 j 18:18	24°♊56'16	
opposition	-7555 Feb 03 j 14:21	20°♊04'46	2°11'30
min. Earth dist.	-7555 Feb 04 j 16:14	19°♊56'32	4.34083 AU
direct	-7555 Apr 07 j 01:40	15°♊05'30	
	-7555 Jul 28 j 05:11	0°♋	
evening set	-7555 Aug 11 j 09:26	3°♋08'00	
max. Earth dist.	-7555 Aug 22 j 10:16	5°♋37'04	6.30954 AU
conjunction	-7555 Aug 23 j 20:13	5°♋56'15	1°33'19
minimum elong	-7555 Aug 23 j 20:13	5°♋56'15	1°33'50
morning rise	-7555 Sep 05 j 05:39	8°♋43'58	
retrograde	-7554 Jan 06 j 20:01	26°♋33'42	
opposition	-7554 Mar 09 j 00:25	21°♋41'08	2°11'52
min. Earth dist.	-7554 Mar 09 j 22:42	21°♋34'04	4.27179 AU
direct	-7554 May 09 j 20:21	16°♋44'49	
	-7554 Aug 20 j 12:46	0°♌	
evening set	-7554 Sep 11 j 18:30	4°♌57'37	
max. Earth dist.	-7554 Sep 23 j 06:27	7°♌36'00	6.22620 AU
conjunction	-7554 Sep 24 j 05:34	7°♌49'19	1°18'56
minimum elong	-7554 Sep 24 j 05:38	7°♌49'21	1°19'22
morning rise	-7554 Oct 06 j 17:16	10°♌41'28	
	-7554 Oct 25 j 21:24	15°♌	
retrograde	-7553 Feb 10 j 08:36	29°♌17'36	
opposition	-7553 Apr 12 j 16:47	24°♌22'11	1°31'05
min. Earth dist.	-7553 Apr 13 j 02:03	24°♌19'13	4.17931 AU
direct	-7553 Jun 12 j 07:21	19°♌28'19	
	-7553 Sep 08 j 08:35	0°♍	
evening set	-7553 Oct 14 j 04:16	7°♍57'36	
conjunction	-7553 Oct 26 j 21:15	10°♍55'48	0°39'00
minimum elong	-7553 Oct 26 j 21:19	10°♍55'50	0°39'14
max. Earth dist.	-7553 Oct 26 j 18:52	10°♍54'23	6.13374 AU
morning rise	-7553 Nov 08 j 16:22	13°♍55'19	
	-7552 Jan 29 j 18:06	0°♎	
retrograde	-7552 Mar 17 j 10:06	3°♎20'42	
	-7552 May 04 j 15:04	30°℞♍	
opposition	-7552 May 17 j 11:09	28°♍21'26	0°17'52
min. Earth dist.	-7552 May 17 j 05:29	28°♍23'17	4.09361 AU
direct	-7552 Jul 15 j 19:39	23°♍28'34	
desc. node	-7552 Aug 10 j 19:40	24°♍35'08	
	-7552 Sep 19 j 20:45	0°♎	
evening set	-7552 Nov 16 j 06:01	12°♎17'01	
conjunction	-7552 Nov 29 j 07:24	15°♎22'02	-0°15'24
minimum elong	-7552 Nov 29 j 07:23	15°♎22'01	0°15'29
behind sun begin	-7552 Nov 29 j 05:03	15°♎20'38	
behind sun end	-7552 Nov 29 j 09:43	15°♎23'23	
max. Earth dist.	-7552 Nov 30 j 02:22	15°♎33'14	6.06323 AU
morning rise	-7552 Dec 12 j 12:16	18°♎28'56	
	-7551 Feb 03 j 11:31	0°♏	
retrograde	-7551 Apr 23 j 03:24	8°♏29'18	
opposition	-7551 Jun 22 j 16:03	3°♏26'18	-1°04'02
min. Earth dist.	-7551 Jun 21 j 19:45	3°♏33'05	4.04551 AU
	-7551 Jul 21 j 07:44	30°℞♎	
direct	-7551 Aug 19 j 23:55	28°♎32'23	
	-7551 Sep 18 j 14:42	0°♏	
	-7551 Dec 10 j 20:35	15°♏	
evening set	-7551 Dec 22 j 02:01	17°♏36'49	
conjunction	-7550 Jan 04 j 11:18	20°♏46'09	-1°05'05
minimum elong	-7550 Jan 04 j 11:13	20°♏46'06	1°05'27
max. Earth dist.	-7550 Jan 05 j 23:20	21°♏07'26	6.04094 AU
morning rise	-7550 Jan 17 j 23:51	23°♏57'11	
	-7550 Feb 13 j 12:13	0°♐	
retrograde	-7550 May 29 j 15:02	14°♐02'38	
min. Earth dist.	-7550 Jul 27 j 10:35	9°♐06'10	4.05257 AU
opposition	-7550 Jul 28 j 11:59	8°♐57'31	-2°02'48
direct	-7550 Sep 24 j 14:15	4°♐00'46	
evening set	-7549 Jan 27 j 23:37	23°♐10'31	
conjunction	-7549 Feb 10 j 14:33	26°♐20'34	-1°30'45
minimum elong	-7549 Feb 10 j 14:31	26°♐20'33	1°31'14
max. Earth dist.	-7549 Feb 12 j 06:56	26°♐44'05	6.07517 AU
morning rise	-7549 Feb 24 j 07:27	29°♐31'34	
	-7549 Feb 26 j 08:47	0°♑	
retrograde	-7549 Jul 03 j 21:02	19°♑07'53	
min. Earth dist.	-7549 Aug 31 j 07:39	14°♑11'01	4.11123 AU
opposition	-7549 Sep 01 j 06:11	14°♑03'19	-2°15'39
direct	-7549 Oct 29 j 20:11	9°♑03'07	
evening set	-7548 Mar 04 j 18:35	28°♑03'59	
	-7548 Mar 13 j 06:23	0°♒	
conjunction	-7548 Mar 18 j 12:09	1°♒11'48	-1°23'16
minimum elong	-7548 Mar 18 j 12:13	1°♒11'51	1°23'43
max. Earth dist.	-7548 Mar 19 j 15:27	1°♒27'23	6.15261 AU
morning rise	-7548 Apr 01 j 06:01	4°♒19'33	
	-7548 May 21 j 19:41	15°♒	
retrograde	-7548 Aug 05 j 12:17	23°♒05'15	
opposition	-7548 Oct 03 j 16:42	18°♒03'26	-1°41'05
min. Earth dist.	-7548 Oct 03 j 05:23	18°♒07'17	4.19903 AU
	-7548 Oct 27 j 23:52	15°℞♒	
direct	-7548 Dec 02 j 10:13	13°♒00'27	
	-7547 Jan 07 j 06:40	15°♒	
	-7547 Apr 01 j 16:29	0°♓	
evening set	-7547 Apr 09 j 09:43	1°♓42'29	
conjunction	-7547 Apr 23 j 02:08	4°♓46'01	-0°47'43
minimum elong	-7547 Apr 23 j 02:12	4°♓46'03	0°47'59
max. Earth dist.	-7547 Apr 23 j 10:00	4°♓50'25	6.24467 AU
morning rise	-7547 May 06 j 16:26	7°♓48'24	
retrograde	-7547 Sep 06 j 16:55	25°♓43'05	
opposition	-7547 Nov 05 j 00:59	20°♓45'10	-0°35'25
min. Earth dist.	-7547 Nov 05 j 02:58	20°♓44'30	4.28633 AU
direct	-7546 Jan 05 j 00:04	15°♓41'04	
	-7546 Apr 24 j 17:10	0°♈	
asc. node	-7546 May 11 j 19:51	3°♈41'25	
evening set	-7546 May 13 j 10:50	4°♈02'49	
conjunction	-7546 May 26 j 20:49	7°♈00'41	0°01'58
minimum elong	-7546 May 26 j 20:50	7°♈00'41	0°01'59
behind sun begin	-7546 May 26 j 12:38	6°♈56'10	
behind sun end	-7546 May 27 j 05:02	7°♈05'12	
max. Earth dist.	-7546 May 26 j 05:36	6°♈52'16	6.32117 AU
morning rise	-7546 Jun 09 j 03:47	9°♈56'54	
retrograde	-7546 Oct 08 j 02:18	27°♈16'59	
opposition	-7546 Dec 06 j 19:44	22°♈22'36	0°38'43
min. Earth dist.	-7546 Dec 07 j 11:28	22°♈17'27	4.34634 AU
direct	-7545 Feb 06 j 20:36	17°♈19'00	
	-7545 May 20 j 13:13	0°♉	
evening set	-7545 Jun 15 j 00:53	5°♉26'18	
max. Earth dist.	-7545 Jun 26 j 19:55	8°♉02'16	6.35976 AU
conjunction	-7545 Jun 28 j 01:36	8°♉18'41	0°50'01
minimum elong	-7545 Jun 28 j 01:32	8°♉18'39	0°50'18
morning rise	-7545 Jul 10 j 22:40	11°♉09'20	
	-7545 Jul 28 j 17:16	15°♉	
retrograde	-7545 Nov 08 j 08:11	28°♉18'30	

Attention, astronomical year style is used: The year -7544 in astronomical counting style is the year 7545 BCE in historical counting style.

opposition	-7544 Jan 07 j 16:01	23°♉26'27	1°40'33	
min. Earth dist.	-7544 Jan 08 j 15:46	23°♉18'50	4.36217 AU	
direct	-7544 Mar 10 j 04:26	18°♉24'51		
	-7544 Jun 15 j 09:50	0°♊		
evening set	-7544 Jul 15 j 14:42	6°♊26'34		
max. Earth dist.	-7544 Jul 26 j 16:58	8°♊54'35	6.35034 AU	
conjunction	-7544 Jul 28 j 06:07	9°♊15'19	1°23'25	
minimum elong	-7544 Jul 28 j 06:04	9°♊15'18	1°23'51	
morning rise	-7544 Aug 09 j 19:03	12°♊02'52		
retrograde	-7544 Dec 09 j 09:18	29°♊25'35		
opposition	-7543 Feb 08 j 05:03	24°♊34'07	2°13'56	
min. Earth dist.	-7543 Feb 09 j 07:45	24°♊25'38	4.32932 AU	
direct	-7543 Apr 11 j 15:33	19°♊35'17		
	-7543 Jul 11 j 00:14	0°♋		
evening set	-7543 Aug 15 j 18:44	7°♋40'14		
max. Earth dist.	-7543 Aug 26 j 20:24	10°♋10'17	6.29570 AU	
conjunction	-7543 Aug 28 j 05:19	10°♋28'56	1°32'56	
minimum elong	-7543 Aug 28 j 05:20	10°♋28'56	1°33'27	
morning rise	-7543 Sep 09 j 14:47	13°♋17'13		
	-7543 Dec 14 j 03:27	0°♌		
retrograde	-7542 Jan 11 j 14:19	1°♌14'02		
	-7542 Feb 09 j 05:34	30°℞♋		
opposition	-7542 Mar 13 j 20:27	26°♋21'09	2°08'29	
min. Earth dist.	-7542 Mar 14 j 16:02	26°♋14'55	4.25671 AU	
direct	-7542 May 14 j 11:15	21°♋25'18		
	-7542 Aug 02 j 02:19	0°♌		
evening set	-7542 Sep 16 j 07:14	9°♌41'02		
conjunction	-7542 Sep 28 j 18:54	12°♌33'36	1°14'36	
minimum elong	-7542 Sep 28 j 18:58	12°♌33'39	1°15'00	
max. Earth dist.	-7542 Sep 27 j 23:36	12°♌22'27	6.21133 AU	
	-7542 Oct 09 j 08:44	15°♌		
morning rise	-7542 Oct 11 j 07:18	15°♌26'44		
	-7542 Dec 23 j 16:12	0°♍		
retrograde	-7541 Feb 15 j 10:50	4°♍10'26		
	-7541 Apr 11 j 19:28	30°℞♌		
opposition	-7541 Apr 17 j 17:41	29°♌14'33	1°22'11	
min. Earth dist.	-7541 Apr 18 j 01:20	29°♌12'05	4.16561 AU	
direct	-7541 Jun 17 j 05:09	24°♌20'58		
	-7541 Aug 18 j 03:52	0°♍		
evening set	-7541 Oct 18 j 22:11	12°♍52'53		
conjunction	-7541 Oct 31 j 16:12	15°♍52'03	0°31'45	
minimum elong	-7541 Oct 31 j 16:15	15°♍52'04	0°31'55	
max. Earth dist.	-7541 Oct 31 j 16:41	15°♍52'20	6.12251 AU	
morning rise	-7541 Nov 13 j 12:45	18°♍52'40		
	-7540 Jan 04 j 00:11	0°♎		
retrograde	-7540 Mar 22 j 13:28	8°♎23'38		
opposition	-7540 May 22 j 14:10	3°♎23'48	0°06'02	
min. Earth dist.	-7540 May 22 j 05:00	3°♎26'48	4.08587 AU	
desc. node	-7540 Jun 20 j 05:18	0°♎00'50		
	-7540 Jun 20 j 08:50	30°℞♍		
direct	-7540 Jul 20 j 17:50	28°♍30'57		
	-7540 Aug 19 j 21:48	0°♎		
evening set	-7540 Nov 21 j 05:22	17°♎21'09		
conjunction	-7540 Dec 04 j 07:56	20°♎26'50	-0°23'13	
minimum elong	-7540 Dec 04 j 07:54	20°♎26'49	0°23'20	
max. Earth dist.	-7540 Dec 05 j 06:27	20°♎40'09	6.05940 AU	
morning rise	-7540 Dec 17 j 13:53	23°♎34'23		
	-7539 Jan 14 j 18:39	0°♏		
retrograde	-7539 Apr 28 j 08:02	13°♏36'29		
opposition	-7539 Jun 27 j 18:17	8°♏33'02	-1°14'24	
min. Earth dist.	-7539 Jun 26 j 21:18	8°♏40'04	4.04591 AU	
direct	-7539 Aug 25 j 01:16	3°♏38'49		
	-7539 Nov 22 j 23:53	15°♏		
evening set	-7539 Dec 27 j 05:15	22°♏43'39		
conjunction	-7538 Jan 09 j 15:25	25°♏53'09	-1°10'30	
minimum elong	-7538 Jan 09 j 15:20	25°♏53'06	1°10'53	
max. Earth dist.	-7538 Jan 11 j 05:30	26°♏15'35	6.04526 AU	
morning rise	-7538 Jan 23 j 04:41	29°♏04'14		
	-7538 Jan 27 j 04:23	0°♐		
retrograde	-7538 Jun 03 j 14:58	19°♐06'25		
min. Earth dist.	-7538 Aug 01 j 08:29	14°♐10'04	4.06070 AU	
opposition	-7538 Aug 02 j 10:15	14°♐01'18	-2°07'36	
direct	-7538 Sep 29 j 12:35	9°♐04'08		
evening set	-7537 Feb 02 j 03:28	28°♐12'35		
	-7537 Feb 09 j 21:00	0°♑		
conjunction	-7537 Feb 15 j 18:44	1°♑22'19	-1°31'42	
minimum elong	-7537 Feb 15 j 18:43	1°♑22'19	1°32'13	
max. Earth dist.	-7537 Feb 17 j 08:35	1°♑44'17	6.08613 AU	
morning rise	-7537 Mar 01 j 12:02	4°♑32'54		
retrograde	-7537 Jul 08 j 15:10	24°♑02'22		
opposition	-7537 Sep 05 j 23:24	18°♑58'05	-2°13'25	
min. Earth dist.	-7537 Sep 05 j 02:30	19°♑05'14	4.12392 AU	
direct	-7537 Nov 03 j 17:29	13°♑57'24		
	-7536 Feb 25 j 17:28	0°♒		
evening set	-7536 Mar 09 j 18:56	2°♒55'37		
conjunction	-7536 Mar 23 j 12:45	6°♒02'57	-1°19'44	
minimum elong	-7536 Mar 23 j 12:50	6°♒02'59	1°20'11	
max. Earth dist.	-7536 Mar 24 j 14:34	6°♒17'38	6.16621 AU	
morning rise	-7536 Apr 06 j 06:13	9°♒09'58		
	-7536 May 02 j 18:55	15°♒		
retrograde	-7536 Aug 10 j 01:31	27°♒48'00		
opposition	-7536 Oct 08 j 05:33	22°♒46'45	-1°33'20	
min. Earth dist.	-7536 Oct 07 j 20:05	22°♒49'57	4.21219 AU	
direct	-7536 Dec 07 j 02:36	17°♒43'32		
	-7535 Mar 15 j 14:35	0°♓		
evening set	-7535 Apr 14 j 05:06	6°♓22'38		
conjunction	-7535 Apr 27 j 20:46	9°♓25'26	-0°41'19	
minimum elong	-7535 Apr 27 j 20:50	9°♓25'28	0°41'32	
max. Earth dist.	-7535 Apr 27 j 23:45	9°♓27'05	6.25640 AU	
morning rise	-7535 May 11 j 10:27	12°♓27'02		
	-7535 Aug 29 j 09:13	0°♈		
retrograde	-7535 Sep 11 j 02:25	0°♈16'01		
	-7535 Sep 23 j 18:04	30°℞♓		
opposition	-7535 Nov 09 j 11:14	25°♓18'36	-0°25'08	
min. Earth dist.	-7535 Nov 09 j 15:47	25°♓17'05	4.29574 AU	
direct	-7534 Jan 09 j 14:27	20°♓14'25		
asc. node	-7534 Mar 21 j 17:42	27°♓03'34		
	-7534 Apr 06 j 22:23	0°♈		
evening set	-7534 May 18 j 01:18	8°♈34'11		
conjunction	-7534 May 31 j 10:19	11°♈31'21	0°09'04	
minimum elong	-7534 May 31 j 10:18	11°♈31'20	0°09'06	
behind sun begin	-7534 May 31 j 03:23	11°♈27'32		
behind sun end	-7534 May 31 j 17:12	11°♈35'09		
max. Earth dist.	-7534 May 30 j 17:35	11°♈22'06	6.32768 AU	
morning rise	-7534 Jun 13 j 15:49	14°♈26'46		
	-7534 Sep 09 j 02:47	0°♉		
retrograde	-7534 Oct 12 j 10:00	1°♉44'21		
	-7534 Nov 14 j 19:16	30°℞♈		
opposition	-7534 Dec 11 j 05:34	26°♈50'24	0°48'29	
min. Earth dist.	-7534 Dec 11 j 22:24	26°♈44'54	4.34966 AU	
direct	-7533 Feb 11 j 08:03	21°♈47'02		
	-7533 May 02 j 02:16	0°♉		
evening set	-7533 Jun 19 j 11:59	9°♉53'41		
max. Earth dist.	-7533 Jul 01 j 02:37	12°♉27'27	6.35947 AU	

Attention, astronomical year style is used: The year -7533 in astronomical counting style is the year 7534 BCE in historical counting style.

conjunction	-7533 Jul 02 j 11:12	12°♉45'29	0°55'49
minimum elong	-7533 Jul 02 j 11:08	12°♉45'26	0°56'07
	-7533 Jul 12 j 14:28	15°♉	
morning rise	-7533 Jul 15 j 07:10	15°♉35'38	
	-7533 Oct 01 j 01:24	0°♊	
retrograde	-7533 Nov 12 j 19:40	2°♊45'54	
	-7533 Dec 26 j 04:59	30°℞♉	
opposition	-7532 Jan 12 j 04:14	27°♉54'03	1°47'15
min. Earth dist.	-7532 Jan 13 j 05:30	27°♉45'57	4.35860 AU
direct	-7532 Mar 14 j 17:57	22°♉52'46	
	-7532 May 27 j 05:23	0°♊	
evening set	-7532 Jul 19 j 23:56	10°♊55'03	
max. Earth dist.	-7532 Jul 31 j 02:37	13°♊23'35	6.34374 AU
conjunction	-7532 Aug 01 j 14:32	13°♊43'39	1°26'20
minimum elong	-7532 Aug 01 j 14:29	13°♊43'38	1°26'48
morning rise	-7532 Aug 14 j 02:31	16°♊31'06	
	-7532 Oct 22 j 21:18	0°♋	
retrograde	-7532 Dec 13 j 22:13	3°♋57'51	
	-7531 Feb 05 j 18:36	30°℞♊	
opposition	-7531 Feb 12 j 20:49	29°♊06'17	2°15'39
min. Earth dist.	-7531 Feb 13 j 21:56	28°♊58'19	4.32049 AU
direct	-7531 Apr 16 j 04:37	24°♊07'56	
	-7531 Jun 20 j 14:50	0°♋	
evening set	-7531 Aug 20 j 04:37	12°♋14'08	
max. Earth dist.	-7531 Aug 31 j 07:31	14°♋45'18	6.28545 AU
conjunction	-7531 Sep 01 j 14:51	15°♋03'06	1°32'02
minimum elong	-7531 Sep 01 j 14:53	15°♋03'07	1°32'32
morning rise	-7531 Sep 14 j 00:23	17°♋51'49	
	-7531 Nov 12 j 14:30	0°♌	
retrograde	-7530 Jan 16 j 10:23	5°♌54'20	
opposition	-7530 Mar 18 j 16:27	1°♌01'06	2°04'19
min. Earth dist.	-7530 Mar 19 j 11:11	0°♌55'09	4.24567 AU
	-7530 Mar 26 j 17:57	30°℞♋	
direct	-7530 May 19 j 05:20	26°♋05'37	
	-7530 Jul 09 j 21:15	0°♌	
evening set	-7530 Sep 20 j 19:16	14°♌22'44	
	-7530 Sep 23 j 12:06	15°♌	
conjunction	-7530 Oct 03 j 07:35	17°♌16'02	1°09'52
minimum elong	-7530 Oct 03 j 07:40	17°♌16'04	1°10'16
max. Earth dist.	-7530 Oct 02 j 15:02	17°♌06'27	6.20062 AU
morning rise	-7530 Oct 15 j 20:52	20°♌10'00	
	-7530 Nov 30 j 11:15	0°♍	
retrograde	-7529 Feb 20 j 08:48	8°♍59'31	
opposition	-7529 Apr 22 j 16:43	4°♍03'06	1°12'52
min. Earth dist.	-7529 Apr 22 j 21:07	4°♍01'41	4.15603 AU
	-7529 May 29 j 23:31	30°℞♌	
direct	-7529 Jun 21 j 23:11	29°♌09'43	
	-7529 Jul 14 j 20:53	0°♍	
evening set	-7529 Oct 23 j 14:14	17°♍42'56	
conjunction	-7529 Nov 05 j 09:17	20°♍42'53	0°24'26
minimum elong	-7529 Nov 05 j 09:20	20°♍42'54	0°24'34
max. Earth dist.	-7529 Nov 05 j 13:08	20°♍45'08	6.11491 AU
morning rise	-7529 Nov 18 j 07:01	23°♍44'22	
	-7529 Dec 15 j 22:19	0°♎	
retrograde	-7528 Mar 27 j 15:26	13°♎19'40	
desc. node	-7528 May 01 j 04:15	11°♎30'29	
opposition	-7528 May 27 j 14:20	8°♎19'13	-0°05'34
min. Earth dist.	-7528 May 27 j 03:50	8°♎22'40	4.08072 AU
direct	-7528 Jul 25 j 15:36	3°♎26'14	
evening set	-7528 Nov 26 j 02:12	22°♎17'34	
conjunction	-7528 Dec 09 j 05:52	25°♎23'48	-0°30'39
minimum elong	-7528 Dec 09 j 05:49	25°♎23'47	0°30'48
max. Earth dist.	-7528 Dec 10 j 07:16	25°♎38'49	6.05713 AU
morning rise	-7528 Dec 22 j 12:56	28°♎31'55	
	-7528 Dec 28 j 19:48	0°♏	
	-7527 Mar 15 j 09:11	15°♏	
retrograde	-7527 May 03 j 07:58	18°♏34'51	
	-7527 Jun 21 j 11:47	15°℞♏	
opposition	-7527 Jul 02 j 16:40	13°♏31'05	-1°23'56
min. Earth dist.	-7527 Jul 01 j 18:35	13°♏38'30	4.04698 AU
direct	-7527 Aug 29 j 21:38	8°♏36'33	
	-7527 Nov 02 j 16:18	15°♏	
evening set	-7526 Jan 01 j 05:46	27°♏41'54	
	-7526 Jan 11 j 01:06	0°♐	
conjunction	-7526 Jan 14 j 16:36	0°♐51'30	-1°15'14
minimum elong	-7526 Jan 14 j 16:32	0°♐51'27	1°15'38
max. Earth dist.	-7526 Jan 16 j 05:53	1°♐13'25	6.04920 AU
morning rise	-7526 Jan 28 j 06:40	4°♐02'40	
retrograde	-7526 Jun 08 j 11:19	24°♐01'51	
min. Earth dist.	-7526 Aug 06 j 03:58	19°♐05'19	4.06717 AU
opposition	-7526 Aug 07 j 05:16	18°♐56'41	-2°11'22
direct	-7526 Oct 04 j 09:21	13°♐59'01	
	-7525 Jan 24 j 12:36	0°♑	
evening set	-7525 Feb 07 j 04:18	3°♑06'53	
conjunction	-7525 Feb 20 j 20:17	6°♑16'31	-1°32'00
minimum elong	-7525 Feb 20 j 20:17	6°♑16'31	1°32'30
max. Earth dist.	-7525 Feb 22 j 10:02	6°♑38'23	6.09463 AU
morning rise	-7525 Mar 06 j 13:41	9°♑26'47	
retrograde	-7525 Jul 13 j 08:28	28°♑50'29	
opposition	-7525 Sep 10 j 14:35	23°♑46'33	-2°10'22
min. Earth dist.	-7525 Sep 09 j 19:27	23°♑53'06	4.13354 AU
direct	-7525 Nov 08 j 11:24	18°♑45'32	
	-7524 Feb 08 j 06:51	0°♒	
evening set	-7524 Mar 14 j 17:37	7°♒42'14	
conjunction	-7524 Mar 28 j 11:22	10°♒49'10	-1°15'44
minimum elong	-7524 Mar 28 j 11:27	10°♒49'12	1°16'10
max. Earth dist.	-7524 Mar 29 j 09:09	11°♒01'32	6.17622 AU
morning rise	-7524 Apr 11 j 04:47	13°♒55'42	
	-7524 Apr 15 j 23:16	15°♒	
	-7524 Jul 06 j 00:53	0°♓	
retrograde	-7524 Aug 14 j 12:54	2°♓27'33	
	-7524 Sep 22 j 21:18	30°℞♒	
opposition	-7524 Oct 12 j 17:28	27°♒26'49	-1°25'06
min. Earth dist.	-7524 Oct 12 j 09:41	27°♒29'27	4.22168 AU
direct	-7524 Dec 11 j 17:50	22°♒23'23	
	-7523 Feb 24 j 08:42	0°♓	
evening set	-7523 Apr 18 j 23:45	11°♓00'50	
conjunction	-7523 May 02 j 14:57	14°♓03'05	-0°34'41
minimum elong	-7523 May 02 j 15:00	14°♓03'07	0°34'52
max. Earth dist.	-7523 May 02 j 15:51	14°♓03'35	6.26504 AU
morning rise	-7523 May 16 j 03:41	17°♓04'00	
	-7523 Jul 20 j 17:26	0°♈	
retrograde	-7523 Sep 15 j 12:27	4°♈48'27	
	-7523 Nov 12 j 20:29	30°℞♓	
opposition	-7523 Nov 13 j 21:47	29°♓51'36	-0°14'43
min. Earth dist.	-7523 Nov 14 j 04:07	29°♓49'30	4.30279 AU
direct	-7522 Jan 14 j 04:24	24°♓47'33	
asc. node	-7522 Jan 29 j 20:57	25°♓10'17	
	-7522 Mar 16 j 12:38	0°♈	
evening set	-7522 May 22 j 15:47	13°♈05'54	
conjunction	-7522 Jun 04 j 23:32	16°♈02'22	0°16'07
minimum elong	-7522 Jun 04 j 23:30	16°♈02'21	0°16'13
max. Earth dist.	-7522 Jun 04 j 03:39	15°♈51'23	6.33259 AU
morning rise	-7522 Jun 18 j 03:56	18°♈57'07	

Attention, astronomical year style is used: The year -7522 in astronomical counting style is the year 7523 BCE in historical counting style.

	-7522 Aug 12 j 01:31	0°♉	
retrograde	-7522 Oct 16 j 19:18	6°♉12'56	
opposition	-7522 Dec 15 j 16:33	1°♉19'20	0°58'01
min. Earth dist.	-7522 Dec 16 j 10:40	1°♉13'26	4.35232 AU
	-7522 Dec 25 j 23:18	30°℞♈	
direct	-7521 Feb 15 j 21:16	26°♈16'12	
	-7521 Apr 08 j 13:31	0°♉	
evening set	-7521 Jun 23 j 23:01	14°♉22'04	
	-7521 Jun 26 j 20:00	15°♉	
conjunction	-7521 Jul 06 j 21:00	17°♉13'18	1°01'18
minimum elong	-7521 Jul 06 j 20:56	17°♉13'15	1°01'38
max. Earth dist.	-7521 Jul 05 j 13:08	16°♉55'38	6.35965 AU
morning rise	-7521 Jul 19 j 15:32	20°♉02'53	
	-7521 Sep 06 j 06:34	0°♊	
retrograde	-7521 Nov 17 j 05:34	7°♊14'07	
opposition	-7520 Jan 16 j 16:54	2°♊22'26	1°53'19
min. Earth dist.	-7520 Jan 17 j 17:53	2°♊14'26	4.35640 AU
	-7520 Feb 05 j 01:18	30°℞♉	
direct	-7520 Mar 19 j 06:45	27°♉21'35	
	-7520 May 01 j 07:47	0°♊	
evening set	-7520 Jul 24 j 09:04	15°♊23'39	
max. Earth dist.	-7520 Aug 04 j 09:47	17°♊51'24	6.33901 AU
conjunction	-7520 Aug 05 j 22:34	18°♊12'00	1°28'44
minimum elong	-7520 Aug 05 j 22:31	18°♊11'59	1°29'14
morning rise	-7520 Aug 18 j 09:59	20°♊59'21	
	-7520 Sep 30 j 09:26	0°♋	
retrograde	-7520 Dec 18 j 12:50	8°♋29'35	
opposition	-7519 Feb 17 j 12:34	3°♋37'52	2°16'32
min. Earth dist.	-7519 Feb 18 j 13:36	3°♋29'55	4.31338 AU
	-7519 Mar 21 j 17:33	30°℞♊	
direct	-7519 Apr 20 j 19:30	28°♊39'52	
	-7519 May 20 j 18:38	0°♋	
evening set	-7519 Aug 24 j 13:16	16°♋46'36	
conjunction	-7519 Sep 05 j 23:34	19°♋35'55	1°30'35
minimum elong	-7519 Sep 05 j 23:36	19°♋35'56	1°31'04
max. Earth dist.	-7519 Sep 04 j 18:33	19°♋19'24	6.27641 AU
morning rise	-7519 Sep 18 j 09:07	22°♋25'03	
	-7519 Oct 23 j 08:24	0°♌	
retrograde	-7518 Jan 21 j 03:34	10°♌33'01	
opposition	-7518 Mar 23 j 11:35	5°♌39'26	1°59'23
min. Earth dist.	-7518 Mar 24 j 04:08	5°♌34'10	4.23513 AU
direct	-7518 May 23 j 20:20	0°♌44'18	
	-7518 Sep 07 j 08:57	15°♌	
evening set	-7518 Sep 25 j 06:28	19°♌02'50	
conjunction	-7518 Oct 07 j 19:20	21°♌56'52	1°04'44
minimum elong	-7518 Oct 07 j 19:25	21°♌56'54	1°05'05
max. Earth dist.	-7518 Oct 07 j 04:35	21°♌48'18	6.18944 AU
morning rise	-7518 Oct 20 j 09:36	24°♌51'45	
	-7518 Nov 12 j 05:01	0°♍	
retrograde	-7517 Feb 25 j 08:31	13°♍47'38	
opposition	-7517 Apr 27 j 15:01	8°♍50'38	1°03'07
min. Earth dist.	-7517 Apr 27 j 17:57	8°♍49'42	4.14476 AU
direct	-7517 Jun 26 j 17:58	3°♍57'21	
evening set	-7517 Oct 28 j 06:11	22°♍32'53	
conjunction	-7517 Nov 10 j 02:29	25°♍33'48	0°16'58
minimum elong	-7517 Nov 10 j 02:30	25°♍33'49	0°17'04
max. Earth dist.	-7517 Nov 10 j 09:33	25°♍37'56	6.10473 AU
morning rise	-7517 Nov 23 j 01:29	28°♍36'19	
	-7517 Nov 29 j 01:26	0°♎	
desc. node	-7516 Mar 11 j 23:59	17°♎36'44	
retrograde	-7516 Apr 01 j 17:02	18°♎16'50	
opposition	-7516 Jun 01 j 14:16	13°♎15'52	-0°17'09
min. Earth dist.	-7516 Jun 01 j 01:56	13°♎19'56	4.07263 AU
direct	-7516 Jul 30 j 11:13	8°♎22'48	
evening set	-7516 Dec 01 j 00:15	27°♎16'43	
	-7516 Dec 12 j 12:56	0°♏	
conjunction	-7516 Dec 14 j 04:56	0°♏23'40	-0°37'55
minimum elong	-7516 Dec 14 j 04:52	0°♏23'38	0°38'08
max. Earth dist.	-7516 Dec 15 j 07:10	0°♏39'11	6.05159 AU
morning rise	-7516 Dec 27 j 13:14	3°♏32'30	
	-7515 Feb 18 j 04:19	15°♏	
retrograde	-7515 May 08 j 09:14	23°♏37'36	
opposition	-7515 Jul 07 j 16:16	18°♏33'26	-1°32'58
min. Earth dist.	-7515 Jul 06 j 17:09	18°♏41'13	4.04464 AU
	-7515 Aug 06 j 08:30	15°℞♏	
direct	-7515 Sep 03 j 20:07	13°♏38'28	
	-7515 Oct 02 j 07:33	15°♏	
	-7515 Dec 25 j 10:22	0°♐	
evening set	-7514 Jan 06 j 08:24	2°♐45'42	
conjunction	-7514 Jan 19 j 20:16	5°♐55'38	-1°19'30
minimum elong	-7514 Jan 19 j 20:12	5°♐55'36	1°19'56
max. Earth dist.	-7514 Jan 21 j 11:38	6°♐18'45	6.05014 AU
morning rise	-7514 Feb 02 j 10:53	9°♐07'00	
retrograde	-7514 Jun 13 j 12:03	29°♐03'57	
min. Earth dist.	-7514 Aug 11 j 02:10	24°♐07'08	4.07140 AU
opposition	-7514 Aug 12 j 02:32	23°♐58'49	-2°14'16
direct	-7514 Oct 09 j 07:49	19°♐00'40	
	-7513 Jan 06 j 11:37	0°♑	
evening set	-7513 Feb 12 j 08:34	8°♑08'45	
conjunction	-7513 Feb 26 j 00:55	11°♑18'16	-1°31'37
minimum elong	-7513 Feb 26 j 00:56	11°♑18'17	1°32'07
max. Earth dist.	-7513 Feb 27 j 12:26	11°♑38'47	6.10158 AU
morning rise	-7513 Mar 11 j 18:45	14°♑28'20	
	-7513 May 29 j 11:38	0°♒	
retrograde	-7513 Jul 18 j 02:05	3°♒46'21	
	-7513 Sep 05 j 19:46	30°℞♑	
opposition	-7513 Sep 15 j 08:19	28°♑42'44	-2°06'19
min. Earth dist.	-7513 Sep 14 j 13:45	28°♑49'05	4.14261 AU
direct	-7513 Nov 13 j 07:36	23°♑41'17	
	-7512 Jan 18 j 07:11	0°♒	
evening set	-7512 Mar 19 j 19:22	12°♒36'32	
	-7512 Mar 30 j 09:16	15°♒	
conjunction	-7512 Apr 02 j 13:10	15°♒43'01	-1°11'07
minimum elong	-7512 Apr 02 j 13:15	15°♒43'04	1°11'31
max. Earth dist.	-7512 Apr 03 j 09:05	15°♒54'19	6.18705 AU
morning rise	-7512 Apr 16 j 06:11	18°♒48'57	
	-7512 Jun 09 j 02:32	0°♓	
retrograde	-7512 Aug 19 j 04:24	7°♓14'04	
opposition	-7512 Oct 17 j 08:20	2°♓13'52	-1°16'07
min. Earth dist.	-7512 Oct 17 j 02:39	2°♓15'47	4.23327 AU
	-7512 Nov 03 j 11:57	30°℞♒	
direct	-7512 Dec 16 j 13:39	27°♒10'19	
	-7511 Jan 29 j 01:13	0°♓	
evening set	-7511 Apr 23 j 20:41	15°♓44'56	
conjunction	-7511 May 07 j 11:05	18°♓46'24	-0°27'43
minimum elong	-7511 May 07 j 11:07	18°♓46'25	0°27'53
max. Earth dist.	-7511 May 07 j 09:42	18°♓45'38	6.27681 AU
morning rise	-7511 May 20 j 22:52	21°♓46'26	
	-7511 Jun 28 j 23:38	0°♈	
retrograde	-7511 Sep 19 j 22:11	9°♈25'08	
opposition	-7511 Nov 18 j 10:13	4°♈28'45	-0°04'05
min. Earth dist.	-7511 Nov 18 j 17:18	4°♈26'24	4.31409 AU
asc. node	-7511 Dec 09 j 19:26	1°♈48'05	
	-7511 Dec 30 j 10:27	30°℞♓	

Attention, astronomical year style is used: The year -7510 in astronomical counting style is the year 7511 BCE in historical counting style.

direct	-7510 Jan 18 j 20:21	29°♓24'44		
	-7510 Feb 07 j 12:15	0°♈		
evening set	-7510 May 27 j 07:11	17°♈39'52		
conjunction	-7510 Jun 09 j 13:33	20°♈35'21	0°23'06	
minimum elong	-7510 Jun 09 j 13:31	20°♈35'20	0°23'14	
max. Earth dist.	-7510 Jun 08 j 16:47	20°♈23'52	6.34277 AU	
morning rise	-7510 Jun 22 j 16:27	23°♈29'04		
	-7510 Jul 23 j 09:37	0°♉		
retrograde	-7510 Oct 21 j 04:14	10°♉41'16		
opposition	-7510 Dec 20 j 03:42	5°♉48'02	1°07'06	
min. Earth dist.	-7510 Dec 20 j 23:00	5°♉41'47	4.36073 AU	
direct	-7509 Feb 20 j 12:00	0°♉45'11		
	-7509 Jun 10 j 18:38	15°♉		
evening set	-7509 Jun 28 j 09:10	18°♉48'05		
max. Earth dist.	-7509 Jul 09 j 19:52	21°♉19'44	6.36537 AU	
conjunction	-7509 Jul 11 j 05:40	21°♉38'28	1°06'21	
minimum elong	-7509 Jul 11 j 05:35	21°♉38'25	1°06'42	
morning rise	-7509 Jul 23 j 23:00	24°♉27'17		
	-7509 Aug 18 j 20:06	0°♊		
retrograde	-7509 Nov 21 j 14:13	11°♊37'49		
opposition	-7508 Jan 21 j 04:15	6°♊46'11	1°58'32	
min. Earth dist.	-7508 Jan 22 j 05:39	6°♊38'04	4.35919 AU	
direct	-7508 Mar 23 j 18:51	1°♊45'38		
evening set	-7508 Jul 28 j 15:26	19°♊45'47		
max. Earth dist.	-7508 Aug 08 j 16:49	22°♊13'58	6.33851 AU	
conjunction	-7508 Aug 10 j 04:11	22°♊33'46	1°30'33	
minimum elong	-7508 Aug 10 j 04:09	22°♊33'45	1°31'03	
morning rise	-7508 Aug 22 j 14:43	25°♊20'49		
	-7508 Sep 12 j 22:29	0°♋		
retrograde	-7508 Dec 22 j 23:06	12°♋53'18		
opposition	-7507 Feb 22 j 01:19	8°♋01'28	2°16'31	
min. Earth dist.	-7507 Feb 23 j 01:57	7°♋53'40	4.30954 AU	
direct	-7507 Apr 25 j 06:43	3°♋03'53		
evening set	-7507 Aug 28 j 18:56	21°♋10'16		
max. Earth dist.	-7507 Sep 08 j 23:30	23°♋42'58	6.26942 AU	
conjunction	-7507 Sep 10 j 05:01	23°♋59'48	1°28'38	
minimum elong	-7507 Sep 10 j 05:03	23°♋59'49	1°29'06	
morning rise	-7507 Sep 22 j 14:55	26°♋49'21		
	-7507 Oct 06 j 19:19	0°♌		
	-7506 Jan 20 j 20:43	15°♌		
retrograde	-7506 Jan 25 j 19:03	15°♌02'16		
	-7506 Jan 30 j 17:27	15°℞♌		
opposition	-7506 Mar 28 j 02:57	10°♌08'20	1°53'51	
min. Earth dist.	-7506 Mar 28 j 18:50	10°♌03'16	4.22520 AU	
direct	-7506 May 28 j 08:35	5°♌13'26		
	-7506 Aug 21 j 10:59	15°♌		
evening set	-7506 Sep 29 j 14:20	23°♌33'38		
conjunction	-7506 Oct 12 j 04:09	26°♌28'33	0°59'21	
minimum elong	-7506 Oct 12 j 04:14	26°♌28'35	0°59'41	
max. Earth dist.	-7506 Oct 11 j 15:57	26°♌21'27	6.17767 AU	
morning rise	-7506 Oct 24 j 19:18	29°♌24'22		
	-7506 Oct 27 j 09:08	0°♍		
retrograde	-7505 Mar 02 j 04:21	18°♍26'56		
opposition	-7505 May 02 j 09:42	13°♍29'31	0°53'16	
min. Earth dist.	-7505 May 02 j 11:19	13°♍29'00	4.13196 AU	
direct	-7505 Jul 01 j 07:38	8°♍36'25		
evening set	-7505 Nov 01 j 19:46	27°♍15'21		
	-7505 Nov 13 j 11:43	0°♎		
conjunction	-7505 Nov 14 j 17:06	0°♎17'20	0°09'38	
minimum elong	-7505 Nov 14 j 17:07	0°♎17'20	0°09'42	
behind sun begin	-7505 Nov 14 j 10:26	0°♎13'25		
behind sun end	-7505 Nov 14 j 23:49	0°♎21'16		
max. Earth dist.	-7505 Nov 15 j 01:03	0°♎21'59	6.09210 AU	
morning rise	-7505 Nov 27 j 17:36	3°♎21'02		
desc. node	-7504 Jan 23 j 02:58	15°♎27'19		
retrograde	-7504 Apr 06 j 15:52	23°♎08'03		
opposition	-7504 Jun 06 j 11:37	18°♎06'37	-0°28'18	
min. Earth dist.	-7504 Jun 05 j 21:30	18°♎11'17	4.06134 AU	
direct	-7504 Aug 04 j 04:54	13°♎13'24		
	-7504 Nov 26 j 11:50	0°♏		
evening set	-7504 Dec 05 j 21:05	2°♏11'38		
conjunction	-7504 Dec 19 j 03:07	5°♏19'32	-0°44'44	
minimum elong	-7504 Dec 19 j 03:03	5°♏19'29	0°44'59	
max. Earth dist.	-7504 Dec 20 j 08:44	5°♏37'03	6.04284 AU	
morning rise	-7503 Jan 01 j 12:28	8°♏29'14		
	-7503 Jan 30 j 01:55	15°♏		
retrograde	-7503 May 13 j 11:49	28°♏37'36		
opposition	-7503 Jul 12 j 14:32	23°♏33'15	-1°41'09	
min. Earth dist.	-7503 Jul 11 j 15:19	23°♏41'06	4.03960 AU	
direct	-7503 Sep 08 j 17:11	18°♏37'58		
	-7503 Dec 07 j 18:51	0°♐		
evening set	-7502 Jan 11 j 11:19	7°♐48'24		
conjunction	-7502 Jan 24 j 23:57	10°♐58'45	-1°23'04	
minimum elong	-7502 Jan 24 j 23:53	10°♐58'43	1°23'31	
max. Earth dist.	-7502 Jan 26 j 15:00	11°♐21'40	6.04911 AU	
morning rise	-7502 Feb 07 j 15:31	14°♐10'29		
	-7502 Apr 27 j 09:38	0°♑		
retrograde	-7502 Jun 18 j 09:46	4°♑05'38		
	-7502 Aug 09 j 16:18	30°℞♐		
opposition	-7502 Aug 16 j 23:13	29°♐00'32	-2°16'04	
min. Earth dist.	-7502 Aug 15 j 22:01	29°♐09'10	4.07471 AU	
direct	-7502 Oct 14 j 04:39	24°♐01'55		
	-7502 Dec 16 j 03:29	0°♑		
evening set	-7501 Feb 17 j 12:44	13°♑10'29		
conjunction	-7501 Mar 03 j 05:40	16°♑19'55	-1°30'31	
minimum elong	-7501 Mar 03 j 05:42	16°♑19'56	1°31'00	
max. Earth dist.	-7501 Mar 04 j 16:40	16°♑40'06	6.10899 AU	
morning rise	-7501 Mar 16 j 23:39	19°♑29'43		
	-7501 May 05 j 00:35	0°♒		
retrograde	-7501 Jul 22 j 21:24	8°♒41'38		
min. Earth dist.	-7501 Sep 19 j 09:11	3°♒44'05	4.15301 AU	
opposition	-7501 Sep 20 j 01:57	3°♒38'22	-2°01'20	
	-7501 Oct 20 j 02:22	30°℞♑		
direct	-7501 Nov 18 j 05:29	28°♑36'32		
	-7501 Dec 17 j 16:32	0°♒		
	-7500 Mar 13 j 16:07	15°♒		
evening set	-7500 Mar 24 j 20:22	17°♒29'25		
conjunction	-7500 Apr 07 j 14:04	20°♒35'21	-1°06'00	
minimum elong	-7500 Apr 07 j 14:09	20°♒35'24	1°06'21	
max. Earth dist.	-7500 Apr 08 j 08:23	20°♒45'42	6.19954 AU	
morning rise	-7500 Apr 21 j 06:39	23°♒40'33		
	-7500 May 20 j 08:19	0°♓		
retrograde	-7500 Aug 23 j 16:07	11°♓58'11		
opposition	-7500 Oct 21 j 21:57	6°♓58'27	-1°06'41	
min. Earth dist.	-7500 Oct 21 j 16:54	7°♓00'09	4.24634 AU	
direct	-7500 Dec 21 j 06:58	1°♓54'41		
evening set	-7499 Apr 28 j 16:05	20°♓25'56		
conjunction	-7499 May 12 j 05:31	23°♓26'29	-0°20'38	
minimum elong	-7499 May 12 j 05:33	23°♓26'30	0°20'45	
max. Earth dist.	-7499 May 12 j 00:52	23°♓23'54	6.28930 AU	
morning rise	-7499 May 25 j 16:16	26°♓25'34		
	-7499 Jun 11 j 02:10	0°♈		
retrograde	-7499 Sep 24 j 08:46	13°♈58'35		

Attention, astronomical year style is used: The year -7499 in astronomical counting style is the year 7500 BCE in historical counting style.

asc. node	-7499 Oct 19 j 22:18	12°♈55'08	
opposition	-7499 Nov 22 j 21:26	9°♈02'41	0°06'28
min. Earth dist.	-7499 Nov 23 j 07:04	8°♈59'30	4.32463 AU
direct	-7498 Jan 23 j 12:41	3°♈58'42	
evening set	-7498 May 31 j 20:41	22°♈10'57	
max. Earth dist.	-7498 Jun 13 j 02:46	24°♈52'53	6.35024 AU
conjunction	-7498 Jun 14 j 01:47	25°♈05'35	0°29'56
minimum elong	-7498 Jun 14 j 01:44	25°♈05'34	0°30'06
morning rise	-7498 Jun 27 j 03:17	27°♈58'26	
	-7498 Jul 06 j 10:23	0°♉	
	-7498 Oct 16 j 04:46	15°♉	
retrograde	-7498 Oct 25 j 11:59	15°♉08'25	
	-7498 Nov 03 j 20:07	15°℞♉	
opposition	-7498 Dec 24 j 14:23	10°♉15'28	1°15'51
min. Earth dist.	-7498 Dec 25 j 10:21	10°♉09'00	4.36476 AU
direct	-7497 Feb 24 j 23:49	5°♉12'49	
	-7497 May 24 j 06:16	15°♉	
evening set	-7497 Jul 02 j 18:44	23°♉14'22	
max. Earth dist.	-7497 Jul 14 j 03:32	25°♉45'06	6.36548 AU
conjunction	-7497 Jul 15 j 13:55	26°♉04'10	1°11'05
minimum elong	-7497 Jul 15 j 13:51	26°♉04'08	1°11'28
morning rise	-7497 Jul 28 j 05:59	28°♉52'28	
	-7497 Aug 02 j 09:00	0°♊	
retrograde	-7497 Nov 26 j 01:12	16°♊04'26	
opposition	-7496 Jan 25 j 16:44	11°♊12'55	2°03'17
min. Earth dist.	-7496 Jan 26 j 19:08	11°♊04'30	4.35545 AU
direct	-7496 Mar 28 j 07:40	6°♊12'44	
evening set	-7496 Aug 01 j 23:30	24°♊13'10	
max. Earth dist.	-7496 Aug 12 j 22:53	26°♊40'34	6.33099 AU
conjunction	-7496 Aug 14 j 11:28	27°♊01'07	1°31'56
minimum elong	-7496 Aug 14 j 11:26	27°♊01'06	1°32'26
morning rise	-7496 Aug 26 j 21:40	29°♊48'16	
	-7496 Aug 27 j 18:41	0°♋	
retrograde	-7496 Dec 27 j 14:09	17°♋25'29	
opposition	-7495 Feb 26 j 17:24	12°♋33'26	2°15'51
min. Earth dist.	-7495 Feb 27 j 17:10	12°♋25'53	4.29879 AU
direct	-7495 Apr 29 j 19:33	7°♋36'10	
evening set	-7495 Sep 02 j 04:05	25°♋44'22	
max. Earth dist.	-7495 Sep 13 j 11:54	28°♋19'18	6.25642 AU
conjunction	-7495 Sep 14 j 14:30	28°♋34'31	1°26'06
minimum elong	-7495 Sep 14 j 14:33	28°♋34'33	1°26'35
	-7495 Sep 20 j 19:56	0°♌	
morning rise	-7495 Sep 27 j 00:40	1°♌24'47	
	-7495 Dec 04 j 01:02	15°♌	
retrograde	-7494 Jan 30 j 16:12	19°♌44'42	
	-7494 Mar 31 j 17:36	15°℞♌	
opposition	-7494 Apr 01 j 23:47	14°♌50'23	1°47'26
min. Earth dist.	-7494 Apr 02 j 14:22	14°♌45'44	4.21075 AU
direct	-7494 Jun 02 j 01:11	9°♌55'50	
	-7494 Jul 31 j 00:16	15°♌	
evening set	-7494 Oct 04 j 03:50	28°♌18'56	
	-7494 Oct 11 j 09:58	0°♍	
conjunction	-7494 Oct 16 j 18:24	1°♍14'49	0°53'20
minimum elong	-7494 Oct 16 j 18:28	1°♍14'52	0°53'37
max. Earth dist.	-7494 Oct 16 j 07:37	1°♍08'32	6.16317 AU
morning rise	-7494 Oct 29 j 10:52	4°♍11'50	
retrograde	-7493 Mar 07 j 05:40	23°♍21'53	
opposition	-7493 May 07 j 10:30	18°♍23'54	0°42'29
min. Earth dist.	-7493 May 07 j 09:13	18°♍24'19	4.11863 AU
direct	-7493 Jul 06 j 03:37	13°♍30'54	
	-7493 Oct 28 j 02:45	0°♎	
evening set	-7493 Nov 06 j 15:34	2°♎13'11	
conjunction	-7493 Nov 19 j 14:19	5°♎16'13	0°01'49
minimum elong	-7493 Nov 19 j 14:20	5°♎16'13	0°01'50
behind sun begin	-7493 Nov 19 j 06:11	5°♎11'26	
behind sun end	-7493 Nov 19 j 22:28	5°♎21'00	
max. Earth dist.	-7493 Nov 20 j 03:08	5°♎23'46	6.08153 AU
morning rise	-7493 Dec 02 j 16:00	8°♎20'57	
desc. node	-7493 Dec 02 j 07:54	8°♎16'13	
retrograde	-7492 Apr 11 j 21:49	28°♎12'57	
opposition	-7492 Jun 11 j 14:18	23°♎11'03	-0°39'51
min. Earth dist.	-7492 Jun 10 j 22:47	23°♎16'12	4.05494 AU
direct	-7492 Aug 09 j 05:01	18°♎17'44	
	-7492 Nov 08 j 19:50	0°♏	
evening set	-7492 Dec 10 j 23:10	7°♏18'07	
conjunction	-7492 Dec 24 j 06:06	10°♏26'30	-0°51'32
minimum elong	-7492 Dec 24 j 06:01	10°♏26'27	0°51'49
max. Earth dist.	-7492 Dec 25 j 13:22	10°♏44'59	6.04116 AU
morning rise	-7491 Jan 06 j 16:38	13°♏36'44	
	-7491 Jan 12 j 15:10	15°♏	
	-7491 Mar 29 j 15:35	0°♐	
retrograde	-7491 May 18 j 13:36	3°♐44'46	
	-7491 Jul 07 j 16:41	30°℞♏	
opposition	-7491 Jul 17 j 15:24	28°♏40'07	-1°48'47
min. Earth dist.	-7491 Jul 16 j 14:04	28°♏48'41	4.04329 AU
direct	-7491 Sep 13 j 16:35	23°♏44'25	
	-7491 Nov 16 j 18:25	0°♐	
evening set	-7490 Jan 16 j 15:54	12°♐54'27	
conjunction	-7490 Jan 30 j 05:16	16°♐04'41	-1°26'06
minimum elong	-7490 Jan 30 j 05:13	16°♐04'39	1°26'35
max. Earth dist.	-7490 Jan 31 j 21:30	16°♐28'15	6.05766 AU
morning rise	-7490 Feb 12 j 21:10	19°♐16'08	
	-7490 Apr 03 j 05:41	0°♑	
retrograde	-7490 Jun 23 j 07:32	9°♑05'23	
opposition	-7490 Aug 21 j 19:24	4°♑00'21	-2°16'52
min. Earth dist.	-7490 Aug 20 j 19:32	4°♑08'31	4.08718 AU
	-7490 Sep 25 j 02:36	30°℞♐	
direct	-7490 Oct 19 j 04:16	29°♐01'15	
	-7490 Nov 12 j 09:49	0°♑	
evening set	-7489 Feb 22 j 15:07	18°♑06'44	
conjunction	-7489 Mar 08 j 08:20	21°♑15'36	-1°28'49
minimum elong	-7489 Mar 08 j 08:23	21°♑15'38	1°29'19
max. Earth dist.	-7489 Mar 09 j 18:16	21°♑35'06	6.12415 AU
morning rise	-7489 Mar 22 j 02:16	24°♑24'41	
	-7489 Apr 16 j 05:06	0°♒	
retrograde	-7489 Jul 27 j 10:39	13°♒27'44	
opposition	-7489 Sep 24 j 16:04	8°♒24'53	-1°55'39
min. Earth dist.	-7489 Sep 24 j 00:04	8°♒30'20	4.16930 AU
direct	-7489 Nov 22 j 23:06	3°♒22'41	
	-7488 Feb 25 j 10:38	15°♒	
evening set	-7488 Mar 29 j 17:12	22°♒11'26	
conjunction	-7488 Apr 12 j 10:26	25°♒16'31	-1°00'38
minimum elong	-7488 Apr 12 j 10:31	25°♒16'34	1°00'58
max. Earth dist.	-7488 Apr 13 j 00:09	25°♒24'15	6.21557 AU
morning rise	-7488 Apr 26 j 02:31	28°♒20'49	
	-7488 May 03 j 12:55	0°♓	
retrograde	-7488 Aug 28 j 01:57	16°♓30'35	
opposition	-7488 Oct 26 j 07:45	11°♓31'23	-0°57'13
min. Earth dist.	-7488 Oct 26 j 05:57	11°♓32'00	4.26048 AU
direct	-7488 Dec 25 j 22:29	6°♓27'27	
evening set	-7487 May 03 j 06:30	24°♓55'14	
conjunction	-7487 May 16 j 19:07	27°♓54'58	-0°13'42
minimum elong	-7487 May 16 j 19:09	27°♓54'59	0°13'46
behind sun begin	-7487 May 16 j 14:57	27°♓52'40	

Attention, astronomical year style is used: The year -7487 in astronomical counting style is the year 7488 BCE in historical counting style.

behind sun end	-7487 May 16 j 23:21	27°♓57'19	
max. Earth dist.	-7487 May 16 j 11:58	27°♓51'01	6.30044 AU
	-7487 May 26 j 04:28	0°♈	
morning rise	-7487 May 30 j 04:38	0°♈53'08	
asc. node	-7487 Aug 31 j 12:51	17°♈06'15	
retrograde	-7487 Sep 28 j 13:54	18°♈21'40	
opposition	-7487 Nov 27 j 04:59	13°♈26'16	0°16'35
min. Earth dist.	-7487 Nov 27 j 15:54	13°♈22'40	4.33206 AU
direct	-7486 Jan 27 j 22:15	8°♈22'24	
evening set	-7486 Jun 05 j 06:47	26°♈33'10	
max. Earth dist.	-7486 Jun 17 j 07:54	29°♈12'27	6.35328 AU
conjunction	-7486 Jun 18 j 10:25	29°♈27'06	0°36'21
minimum elong	-7486 Jun 18 j 10:22	29°♈27'04	0°36'32
	-7486 Jun 20 j 21:56	0°♉	
morning rise	-7486 Jul 01 j 10:42	2°♉19'18	
	-7486 Sep 04 j 16:50	15°♉	
retrograde	-7486 Oct 29 j 20:29	19°♉28'58	
	-7486 Dec 25 j 21:39	15°℞♉	
opposition	-7486 Dec 28 j 22:58	14°♉36'23	1°23'57
min. Earth dist.	-7486 Dec 29 j 21:29	14°♉29'07	4.36338 AU
direct	-7485 Mar 01 j 10:37	9°♉34'01	
	-7485 May 03 j 19:33	15°♉	
evening set	-7485 Jul 07 j 02:26	27°♉36'11	
	-7485 Jul 17 j 22:14	0°♊	
max. Earth dist.	-7485 Jul 18 j 08:48	0°♊05'52	6.35955 AU
conjunction	-7485 Jul 19 j 20:33	0°♊25'44	1°15'18
minimum elong	-7485 Jul 19 j 20:29	0°♊25'42	1°15'43
morning rise	-7485 Aug 01 j 11:37	3°♊13'51	
retrograde	-7485 Nov 30 j 11:35	20°♊29'29	
opposition	-7484 Jan 30 j 04:53	15°♊38'02	2°07'16
min. Earth dist.	-7484 Jan 31 j 06:51	15°♊29'45	4.34570 AU
direct	-7484 Apr 01 j 17:08	10°♊38'16	
evening set	-7484 Aug 06 j 07:30	28°♊40'59	
	-7484 Aug 12 j 04:32	0°♋	
max. Earth dist.	-7484 Aug 17 j 08:02	1°♋09'31	6.31816 AU
conjunction	-7484 Aug 18 j 18:58	1°♋29'13	1°32'44
minimum elong	-7484 Aug 18 j 18:57	1°♋29'12	1°33'14
morning rise	-7484 Aug 31 j 04:47	4°♋16'45	
retrograde	-7483 Jan 01 j 08:16	22°♋00'36	
opposition	-7483 Mar 03 j 11:03	17°♋08'24	2°14'18
min. Earth dist.	-7483 Mar 04 j 10:29	17°♋00'58	4.28374 AU
direct	-7483 May 04 j 10:30	12°♋11'38	
	-7483 Sep 04 j 22:39	0°♌	
evening set	-7483 Sep 06 j 15:02	0°♌22'58	
max. Earth dist.	-7483 Sep 18 j 00:17	2°♌59'20	6.24048 AU
conjunction	-7483 Sep 19 j 01:40	3°♌13'54	1°22'57
minimum elong	-7483 Sep 19 j 01:43	3°♌13'56	1°23'25
morning rise	-7483 Oct 01 j 12:35	6°♌05'07	
	-7483 Nov 11 j 19:41	15°♌	
retrograde	-7482 Feb 04 j 14:32	24°♌32'58	
opposition	-7482 Apr 06 j 22:37	19°♌38'09	1°40'07
min. Earth dist.	-7482 Apr 07 j 10:05	19°♌34'29	4.19511 AU
	-7482 May 24 j 19:40	15°℞♌	
direct	-7482 Jun 06 j 18:30	14°♌43'57	
	-7482 Jun 19 j 18:26	15°♌	
	-7482 Sep 24 j 23:27	0°♍	
evening set	-7482 Oct 08 j 19:37	3°♍10'15	
conjunction	-7482 Oct 21 j 11:20	6°♍07'13	0°46'48
minimum elong	-7482 Oct 21 j 11:23	6°♍07'15	0°47'03
max. Earth dist.	-7482 Oct 21 j 05:35	6°♍03'51	6.14942 AU
morning rise	-7482 Nov 03 j 04:51	9°♍05'20	
retrograde	-7481 Mar 12 j 10:14	28°♍22'12	
opposition	-7481 May 12 j 13:10	23°♍23'40	0°31'10
min. Earth dist.	-7481 May 12 j 10:03	23°♍24'40	4.10779 AU
direct	-7481 Jul 11 j 03:06	18°♍30'46	
desc. node	-7481 Oct 10 j 21:48	0°♎05'28	
	-7481 Oct 10 j 11:35	0°♎	
evening set	-7481 Nov 11 j 13:13	7°♎15'21	
conjunction	-7481 Nov 24 j 13:01	10°♎19'11	-0°06'14
minimum elong	-7481 Nov 24 j 13:00	10°♎19'10	0°06'17
behind sun begin	-7481 Nov 24 j 05:18	10°♎14'39	
behind sun end	-7481 Nov 24 j 20:42	10°♎23'42	
max. Earth dist.	-7481 Nov 25 j 04:20	10°♎28'13	6.07442 AU
morning rise	-7481 Dec 07 j 16:10	13°♎24'50	
	-7480 Feb 29 j 18:57	0°♏	
retrograde	-7480 Apr 17 j 01:19	3°♏20'03	
	-7480 Jun 03 j 15:03	30°℞♎	
opposition	-7480 Jun 16 j 17:05	28°♎17'38	-0°51'10
min. Earth dist.	-7480 Jun 15 j 22:37	28°♎23'46	4.05229 AU
direct	-7480 Aug 14 j 04:25	23°♎24'04	
	-7480 Oct 19 j 04:12	0°♏	
evening set	-7480 Dec 16 j 01:37	12°♏25'25	
	-7480 Dec 26 j 23:52	15°♏	
conjunction	-7480 Dec 29 j 09:35	15°♏34'07	-0°57'58
minimum elong	-7480 Dec 29 j 09:30	15°♏34'04	0°58'16
max. Earth dist.	-7480 Dec 30 j 19:37	15°♏54'13	6.04286 AU
morning rise	-7479 Jan 11 j 20:53	18°♏44'34	
	-7479 Mar 04 j 11:17	0°♐	
retrograde	-7479 May 23 j 15:32	8°♐50'54	
opposition	-7479 Jul 22 j 15:13	3°♐46'00	-1°55'36
min. Earth dist.	-7479 Jul 21 j 14:19	3°♐54'27	4.04917 AU
	-7479 Aug 23 j 10:13	30°℞♏	
direct	-7479 Sep 18 j 17:32	28°♏49'51	
	-7479 Oct 15 j 01:51	0°♐	
evening set	-7478 Jan 21 j 20:00	17°♐59'02	
conjunction	-7478 Feb 04 j 10:02	21°♐09'05	-1°28'32
minimum elong	-7478 Feb 04 j 09:59	21°♐09'04	1°29'00
max. Earth dist.	-7478 Feb 06 j 02:33	21°♐32'45	6.06700 AU
morning rise	-7478 Feb 18 j 02:22	24°♐20'15	
	-7478 Mar 15 j 03:32	0°♑	
retrograde	-7478 Jun 28 j 03:11	14°♑03'16	
opposition	-7478 Aug 26 j 14:14	8°♑58'27	-2°16'44
min. Earth dist.	-7478 Aug 25 j 14:32	9°♑06'34	4.09922 AU
direct	-7478 Oct 24 j 00:45	3°♑58'53	
evening set	-7477 Feb 27 j 16:51	23°♑01'48	
conjunction	-7477 Mar 13 j 10:10	26°♑10'09	-1°26'33
minimum elong	-7477 Mar 13 j 10:13	26°♑10'11	1°27'02
max. Earth dist.	-7477 Mar 14 j 16:17	26°♑27'24	6.13782 AU
morning rise	-7477 Mar 27 j 04:10	29°♑18'37	
	-7477 Mar 30 j 05:11	0°♒	
	-7477 Jun 16 j 09:44	15°♒	
retrograde	-7477 Aug 01 j 01:25	18°♒13'46	
	-7477 Sep 15 j 15:16	15°℞♒	
opposition	-7477 Sep 29 j 06:09	13°♒11'21	-1°49'19
min. Earth dist.	-7477 Sep 28 j 16:41	13°♒15'56	4.18314 AU
direct	-7477 Nov 27 j 18:21	8°♒08'46	
	-7476 Feb 05 j 10:30	15°♒	
evening set	-7476 Apr 03 j 13:54	26°♒54'18	
conjunction	-7476 Apr 17 j 06:57	29°♒58'44	-0°54'54
minimum elong	-7476 Apr 17 j 07:02	29°♒58'47	0°55'13
	-7476 Apr 17 j 09:13	0°♓	
max. Earth dist.	-7476 Apr 17 j 18:40	0°♓05'19	6.22880 AU
morning rise	-7476 Apr 30 j 22:14	3°♓02'11	
retrograde	-7476 Sep 01 j 11:16	21°♓05'09	

Attention, astronomical year style is used: The year -7476 in astronomical counting style is the year 7477 BCE in historical counting style.

opposition	-7476 Oct 30 j 18:11	16°♓06'32	-0°47'24
min. Earth dist.	-7476 Oct 30 j 17:46	16°♓06'40	4.27194 AU
direct	-7476 Dec 30 j 11:59	11°♓02'30	
evening set	-7475 May 07 j 22:13	29°♓27'43	
	-7475 May 10 j 08:49	0°♈	
conjunction	-7475 May 21 j 09:40	2°♈26'40	-0°06'38
minimum elong	-7475 May 21 j 09:40	2°♈26'40	0°06'40
behind sun begin	-7475 May 21 j 02:00	2°♈22'26	
behind sun end	-7475 May 21 j 17:20	2°♈30'54	
max. Earth dist.	-7475 May 20 j 21:47	2°♈20'05	6.30933 AU
morning rise	-7475 Jun 03 j 18:12	5°♈24'01	
asc. node	-7475 Jul 11 j 20:46	13°♈24'17	
retrograde	-7475 Oct 02 j 23:13	22°♈48'50	
opposition	-7475 Dec 01 j 14:28	17°♈53'53	0°26'45
min. Earth dist.	-7475 Dec 02 j 04:10	17°♈49'23	4.33783 AU
direct	-7474 Feb 01 j 11:33	12°♈50'05	
	-7474 Jun 05 j 04:55	0°♉	
evening set	-7474 Jun 09 j 18:03	0°♉59'37	
conjunction	-7474 Jun 22 j 20:34	3°♉52'56	0°42'42
minimum elong	-7474 Jun 22 j 20:30	3°♉52'54	0°42'56
max. Earth dist.	-7474 Jun 21 j 17:05	3°♉37'45	6.35543 AU
morning rise	-7474 Jul 05 j 19:23	6°♉44'29	
	-7474 Aug 14 j 09:36	15°♉	
retrograde	-7474 Nov 03 j 04:26	23°♉54'07	
opposition	-7473 Jan 02 j 09:41	19°♉01'47	1°31'46
min. Earth dist.	-7473 Jan 03 j 08:16	18°♉54'31	4.36210 AU
	-7473 Feb 07 j 22:34	15°℞♉	
direct	-7473 Mar 05 j 20:51	13°♉59'45	
	-7473 Apr 01 j 00:37	15°♉	
	-7473 Jul 02 j 04:29	0°♊	
evening set	-7473 Jul 11 j 11:36	2°♊02'07	
max. Earth dist.	-7473 Jul 22 j 15:49	4°♊30'56	6.35483 AU
conjunction	-7473 Jul 24 j 04:27	4°♊51'20	1°19'12
minimum elong	-7473 Jul 24 j 04:23	4°♊51'18	1°19'38
morning rise	-7473 Aug 05 j 18:35	7°♊39'13	
retrograde	-7473 Dec 05 j 01:26	24°♊58'06	
opposition	-7472 Feb 03 j 19:04	20°♊06'42	2°10'38
min. Earth dist.	-7472 Feb 04 j 21:52	19°♊58'10	4.33808 AU
direct	-7472 Apr 06 j 07:14	15°♊07'22	
	-7472 Jul 27 j 06:16	0°♋	
evening set	-7472 Aug 10 j 16:26	3°♋11'17	
max. Earth dist.	-7472 Aug 21 j 17:29	5°♋40'30	6.30831 AU
conjunction	-7472 Aug 23 j 03:30	5°♋59'43	1°33'03
minimum elong	-7472 Aug 23 j 03:30	5°♋59'43	1°33'33
morning rise	-7472 Sep 04 j 13:07	8°♋47'33	
retrograde	-7471 Jan 06 j 00:20	26°♋36'55	
opposition	-7471 Mar 08 j 05:19	21°♋44'26	2°11'58
min. Earth dist.	-7471 Mar 09 j 02:16	21°♋37'47	4.27259 AU
direct	-7471 May 09 j 00:28	16°♋48'06	
	-7471 Aug 19 j 13:32	0°♌	
evening set	-7471 Sep 11 j 01:50	5°♌01'02	
conjunction	-7471 Sep 23 j 12:53	7°♌52'36	1°19'21
minimum elong	-7471 Sep 23 j 12:56	7°♌52'38	1°19'46
max. Earth dist.	-7471 Sep 22 j 15:02	7°♌40'02	6.22914 AU
morning rise	-7471 Oct 06 j 00:19	10°♌44'33	
	-7471 Oct 24 j 23:09	15°♌	
retrograde	-7470 Feb 09 j 13:38	29°♌18'41	
opposition	-7470 Apr 11 j 20:58	24°♌23'25	1°32'12
min. Earth dist.	-7470 Apr 12 j 07:06	24°♌20'11	4.18424 AU
direct	-7470 Jun 11 j 14:13	19°♌29'31	
	-7470 Sep 07 j 13:50	0°♍	
evening set	-7470 Oct 13 j 10:07	7°♍57'18	
conjunction	-7470 Oct 26 j 02:41	10°♍55'05	0°40'05
minimum elong	-7470 Oct 26 j 02:45	10°♍55'07	0°40'19
max. Earth dist.	-7470 Oct 25 j 23:18	10°♍53'06	6.14007 AU
morning rise	-7470 Nov 07 j 21:32	13°♍54'10	
	-7469 Jan 29 j 08:13	0°♎	
retrograde	-7469 Mar 17 j 09:57	3°♎16'12	
	-7469 May 04 j 02:44	30°℞♍	
opposition	-7469 May 17 j 13:10	28°♍17'04	0°19'54
min. Earth dist.	-7469 May 17 j 06:46	28°♍19'09	4.10079 AU
direct	-7469 Jul 15 j 22:24	23°♍24'13	
desc. node	-7469 Aug 21 j 05:02	25°♍30'48	
	-7469 Sep 20 j 12:01	0°♎	
evening set	-7469 Nov 16 j 08:35	12°♎10'07	
conjunction	-7469 Nov 29 j 09:32	15°♎14'37	-0°13'54
minimum elong	-7469 Nov 29 j 09:30	15°♎14'36	0°13'59
behind sun begin	-7469 Nov 29 j 05:19	15°♎12'08	
behind sun end	-7469 Nov 29 j 13:42	15°♎17'04	
max. Earth dist.	-7469 Nov 30 j 04:20	15°♎25'43	6.07031 AU
morning rise	-7469 Dec 12 j 13:44	18°♎20'56	
	-7468 Feb 04 j 07:59	0°♏	
retrograde	-7468 Apr 22 j 03:19	8°♏18'21	
opposition	-7468 Jun 21 j 16:22	3°♏15'28	-1°01'46
min. Earth dist.	-7468 Jun 20 j 21:28	3°♏21'47	4.05145 AU
	-7468 Jul 18 j 11:59	30°℞♎	
direct	-7468 Aug 19 j 02:32	28°♎21'37	
	-7468 Sep 19 j 12:38	0°♏	
	-7468 Dec 10 j 18:14	15°♏	
evening set	-7468 Dec 21 j 01:02	17°♏23'41	
conjunction	-7467 Jan 03 j 09:54	20°♏32'39	-1°03'46
minimum elong	-7467 Jan 03 j 09:49	20°♏32'36	1°04'08
max. Earth dist.	-7467 Jan 04 j 21:34	20°♏53'41	6.04512 AU
morning rise	-7467 Jan 16 j 22:04	23°♏43'20	
	-7467 Feb 13 j 12:09	0°♐	
retrograde	-7467 May 28 j 13:18	13°♐47'43	
min. Earth dist.	-7467 Jul 26 j 09:59	8°♐51'22	4.05459 AU
opposition	-7467 Jul 27 j 11:23	8°♐42'44	-2°01'21
direct	-7467 Sep 23 j 12:51	3°♐46'12	
evening set	-7466 Jan 26 j 20:55	22°♐54'59	
conjunction	-7466 Feb 09 j 11:25	26°♐04'54	-1°30'14
minimum elong	-7466 Feb 09 j 11:23	26°♐04'53	1°30'44
max. Earth dist.	-7466 Feb 11 j 01:47	26°♐27'16	6.07477 AU
morning rise	-7466 Feb 23 j 04:15	29°♐15'52	
	-7466 Feb 26 j 08:49	0°♑	
retrograde	-7466 Jul 02 j 20:37	18°♑53'41	
min. Earth dist.	-7466 Aug 30 j 08:15	13°♑56'38	4.10852 AU
opposition	-7466 Aug 31 j 06:17	13°♑49'05	-2°15'41
direct	-7466 Oct 28 j 20:22	8°♑49'03	
evening set	-7465 Mar 04 j 15:59	27°♑50'35	
	-7465 Mar 14 j 03:05	0°♒	
conjunction	-7465 Mar 18 j 09:43	0°♒58'39	-1°23'45
minimum elong	-7465 Mar 18 j 09:47	0°♒58'41	1°24'12
max. Earth dist.	-7465 Mar 19 j 14:40	1°♒15'11	6.14809 AU
morning rise	-7465 Apr 01 j 03:29	4°♒06'36	
	-7465 May 22 j 19:13	15°♒	
retrograde	-7465 Aug 05 j 14:42	22°♒55'18	
opposition	-7465 Oct 03 j 18:26	17°♒53'26	-1°42'25
min. Earth dist.	-7465 Oct 03 j 06:37	17°♒57'27	4.19335 AU
	-7465 Oct 26 j 12:14	15°℞♒	
direct	-7465 Dec 02 j 09:39	12°♒50'37	
	-7464 Jan 08 j 18:15	15°♒	
	-7464 Apr 01 j 07:11	0°♓	
evening set	-7464 Apr 08 j 09:29	1°♓34'23	

Attention, astronomical year style is used: The year -7464 in astronomical counting style is the year 7465 BCE in historical counting style.

conjunction	-7464 Apr 22 j 01:59	4°♓38'16	-0°48'54
minimum elong	-7464 Apr 22 j 02:04	4°♓38'19	0°49'10
max. Earth dist.	-7464 Apr 22 j 09:03	4°♓42'14	6.23827 AU
morning rise	-7464 May 05 j 16:50	7°♓41'08	
retrograde	-7464 Sep 05 j 21:30	25°♓38'55	
opposition	-7464 Nov 04 j 04:34	20°♓40'49	-0°37'23
min. Earth dist.	-7464 Nov 04 j 06:30	20°♓40'11	4.27993 AU
direct	-7463 Jan 04 j 02:12	15°♓36'44	
	-7463 Apr 24 j 00:43	0°♈	
evening set	-7463 May 12 j 13:19	4°♈00'28	
asc. node	-7463 May 21 j 19:08	6°♈02'55	
conjunction	-7463 May 25 j 23:54	6°♈58'47	0°00'33
minimum elong	-7463 May 25 j 23:54	6°♈58'47	0°00'33
behind sun begin	-7463 May 25 j 15:43	6°♈54'16	
behind sun end	-7463 May 26 j 08:06	7°♈03'18	
max. Earth dist.	-7463 May 25 j 11:01	6°♈51'39	6.31547 AU
morning rise	-7463 Jun 08 j 07:07	9°♈55'23	
retrograde	-7463 Oct 07 j 07:21	27°♈17'33	
opposition	-7463 Dec 06 j 00:33	22°♈23'04	0°36'47
min. Earth dist.	-7463 Dec 06 j 15:00	22°♈18'20	4.34183 AU
direct	-7462 Feb 05 j 23:18	17°♈19'31	
	-7462 May 19 j 14:52	0°♉	
evening set	-7462 Jun 14 j 05:51	5°♉28'09	
max. Earth dist.	-7462 Jun 26 j 00:47	8°♉04'11	6.35688 AU
conjunction	-7462 Jun 27 j 06:49	8°♉20'48	0°48'49
minimum elong	-7462 Jun 27 j 06:46	8°♉20'46	0°49'05
morning rise	-7462 Jul 10 j 04:30	11°♉11'47	
	-7462 Jul 27 j 18:15	15°♉	
retrograde	-7462 Nov 07 j 15:12	28°♉21'34	
opposition	-7461 Jan 06 j 21:20	23°♉29'26	1°39'04
min. Earth dist.	-7461 Jan 07 j 21:20	23°♉21'43	4.36112 AU
direct	-7461 Mar 10 j 10:16	18°♉27'42	
	-7461 Jun 15 j 09:15	0°♊	
evening set	-7461 Jul 15 j 20:46	6°♊29'47	
max. Earth dist.	-7461 Jul 27 j 01:13	8°♊58'54	6.35132 AU
conjunction	-7461 Jul 28 j 12:42	9°♊18'41	1°22'39
minimum elong	-7461 Jul 28 j 12:38	9°♊18'39	1°23'05
morning rise	-7461 Aug 10 j 01:46	12°♊06'17	
retrograde	-7461 Dec 09 j 12:38	29°♊27'54	
opposition	-7460 Feb 08 j 09:20	24°♊36'23	2°13'13
min. Earth dist.	-7460 Feb 09 j 10:46	24°♊28'19	4.33233 AU
direct	-7460 Apr 10 j 19:29	19°♊37'29	
	-7460 Jul 10 j 02:21	0°♋	
evening set	-7460 Aug 15 j 00:52	7°♋41'39	
max. Earth dist.	-7460 Aug 26 j 02:25	10°♋11'30	6.30053 AU
conjunction	-7460 Aug 27 j 11:25	10°♋30'11	1°32'49
minimum elong	-7460 Aug 27 j 11:25	10°♋30'11	1°33'19
morning rise	-7460 Sep 08 j 20:55	13°♋18'16	
	-7460 Dec 13 j 13:11	0°♌	
retrograde	-7459 Jan 10 j 17:50	1°♌12'29	
	-7459 Feb 08 j 00:43	30°℞♋	
opposition	-7459 Mar 12 j 23:10	26°♋19'40	2°08'49
min. Earth dist.	-7459 Mar 13 j 19:50	26°♋13'06	4.26293 AU
direct	-7459 May 13 j 16:51	21°♋23'40	
	-7459 Aug 01 j 11:52	0°♌	
evening set	-7459 Sep 15 j 11:43	9°♌37'38	
conjunction	-7459 Sep 27 j 23:16	12°♌29'51	1°15'16
minimum elong	-7459 Sep 27 j 23:19	12°♌29'53	1°15'40
max. Earth dist.	-7459 Sep 27 j 03:14	12°♌18'19	6.21842 AU
	-7459 Oct 08 j 20:03	15°♌	
morning rise	-7459 Oct 10 j 11:27	15°♌22'35	
	-7459 Dec 23 j 12:46	0°♍	
retrograde	-7458 Feb 14 j 09:07	4°♍02'41	
	-7458 Apr 09 j 19:21	30°℞♌	
opposition	-7458 Apr 16 j 17:47	29°♌06'55	1°23'45
min. Earth dist.	-7458 Apr 17 j 01:08	29°♌04'33	4.17310 AU
direct	-7458 Jun 16 j 06:06	24°♌13'13	
	-7458 Aug 18 j 02:09	0°♍	
evening set	-7458 Oct 18 j 00:08	12°♍42'58	
conjunction	-7458 Oct 30 j 17:45	15°♍41'38	0°33'09
minimum elong	-7458 Oct 30 j 17:48	15°♍41'40	0°33'20
max. Earth dist.	-7458 Oct 30 j 17:15	15°♍41'21	6.12957 AU
morning rise	-7458 Nov 12 j 13:46	18°♍41'43	
	-7457 Jan 04 j 02:35	0°♎	
retrograde	-7457 Mar 22 j 11:32	8°♎09'26	
opposition	-7457 May 22 j 12:23	3°♎09'43	0°08'30
min. Earth dist.	-7457 May 22 j 04:56	3°♎12'09	4.09159 AU
	-7457 Jun 17 j 21:04	30°℞♍	
desc. node	-7457 Jul 02 j 02:39	28°♍51'11	
direct	-7457 Jul 20 j 18:49	28°♍16'46	
	-7457 Aug 22 j 07:41	0°♎	
evening set	-7457 Nov 21 j 04:12	17°♎05'08	
conjunction	-7457 Dec 04 j 06:21	20°♎10'27	-0°21'29
minimum elong	-7457 Dec 04 j 06:18	20°♎10'25	0°21'36
max. Earth dist.	-7457 Dec 05 j 03:41	20°♎23'03	6.06327 AU
morning rise	-7457 Dec 17 j 11:51	23°♎17'37	
	-7456 Jan 15 j 23:48	0°♏	
retrograde	-7456 Apr 27 j 04:22	13°♏18'09	
opposition	-7456 Jun 26 j 15:47	8°♏14'51	-1°11'59
min. Earth dist.	-7456 Jun 25 j 19:19	8°♏21'41	4.04746 AU
direct	-7456 Aug 23 j 22:50	3°♏20'43	
	-7456 Nov 23 j 08:09	15°♏	
evening set	-7456 Dec 26 j 02:11	22°♏24'54	
conjunction	-7455 Jan 08 j 11:54	25°♏34'16	-1°09'10
minimum elong	-7455 Jan 08 j 11:49	25°♏34'13	1°09'33
max. Earth dist.	-7455 Jan 09 j 23:30	25°♏55'15	6.04423 AU
morning rise	-7455 Jan 22 j 00:59	28°♏45'19	
	-7455 Jan 27 j 09:16	0°♐	
retrograde	-7455 Jun 02 j 12:37	18°♐48'44	
min. Earth dist.	-7455 Jul 31 j 07:36	13°♐52'11	4.05692 AU
opposition	-7455 Aug 01 j 08:48	13°♐43'36	-2°06'20
direct	-7455 Sep 28 j 11:26	8°♐46'31	
evening set	-7454 Feb 01 j 00:27	27°♐56'06	
	-7454 Feb 09 j 22:06	0°♑	
conjunction	-7454 Feb 14 j 15:48	1°♑06'07	-1°31'20
minimum elong	-7454 Feb 14 j 15:47	1°♑06'06	1°31'50
max. Earth dist.	-7454 Feb 16 j 06:52	1°♑28'50	6.08013 AU
morning rise	-7454 Feb 28 j 08:54	4°♑16'57	
retrograde	-7454 Jul 07 j 17:30	23°♑49'54	
min. Earth dist.	-7454 Sep 04 j 03:46	18°♑52'43	4.11631 AU
opposition	-7454 Sep 05 j 00:36	18°♑45'35	-2°13'41
direct	-7454 Nov 02 j 16:55	13°♑45'07	
	-7453 Feb 25 j 11:15	0°♒	
evening set	-7453 Mar 09 j 18:18	2°♒45'42	
conjunction	-7453 Mar 23 j 12:05	5°♒53'26	-1°20'18
minimum elong	-7453 Mar 23 j 12:09	5°♒53'28	1°20'44
max. Earth dist.	-7453 Mar 24 j 13:34	6°♒07'58	6.15765 AU
morning rise	-7453 Apr 06 j 05:57	9°♒00'59	
	-7453 May 03 j 10:17	15°♒	
retrograde	-7453 Aug 10 j 05:27	27°♒43'12	
opposition	-7453 Oct 08 j 09:35	22°♒41'47	-1°34'41
min. Earth dist.	-7453 Oct 07 j 23:07	22°♒45'21	4.20378 AU
direct	-7453 Dec 07 j 04:21	17°♒38'43	
	-7452 Mar 14 j 22:46	0°♓	

Attention, astronomical year style is used: The year -7452 in astronomical counting style is the year 7453 BCE in historical counting style.

evening set	-7452 Apr 13 j 07:40	6°♓20'22	
conjunction	-7452 Apr 26 j 23:46	9°♓23'38	-0°42'26
minimum elong	-7452 Apr 26 j 23:50	9°♓23'41	0°42'38
max. Earth dist.	-7452 Apr 27 j 05:27	9°♓26'49	6.24927 AU
morning rise	-7452 May 10 j 13:42	12°♓25'42	
	-7452 Aug 28 j 00:41	0°♈	
retrograde	-7452 Sep 10 j 09:33	0°♈17'35	
	-7452 Sep 23 j 16:06	30°℞♓	
opposition	-7452 Nov 08 j 17:21	25°♓20'05	-0°26'56
min. Earth dist.	-7452 Nov 08 j 20:41	25°♓18'58	4.29069 AU
direct	-7451 Jan 08 j 18:57	20°♓16'04	
asc. node	-7451 Mar 30 j 21:05	28°♓51'51	
	-7451 Apr 05 j 22:09	0°♈	
evening set	-7451 May 17 j 06:30	8°♈37'03	
conjunction	-7451 May 30 j 15:46	11°♈34'27	0°07'48
minimum elong	-7451 May 30 j 15:46	11°♈34'27	0°07'50
behind sun begin	-7451 May 30 j 08:26	11°♈30'25	
behind sun end	-7451 May 30 j 23:06	11°♈38'29	
max. Earth dist.	-7451 May 29 j 24:00	11°♈25'44	6.32534 AU
morning rise	-7451 Jun 12 j 21:49	14°♈30'10	
	-7451 Sep 07 j 17:58	0°♉	
retrograde	-7451 Oct 11 j 16:45	1°♉48'23	
	-7451 Nov 14 j 17:48	30°℞♈	
opposition	-7451 Dec 10 j 12:05	26°♈54'17	0°46'38
min. Earth dist.	-7451 Dec 11 j 03:47	26°♈49'09	4.35038 AU
direct	-7450 Feb 10 j 14:01	21°♈50'55	
	-7450 Apr 30 j 23:48	0°♉	
evening set	-7450 Jun 18 j 17:38	9°♉56'51	
max. Earth dist.	-7450 Jun 30 j 11:49	12°♉32'21	6.36346 AU
conjunction	-7450 Jul 01 j 17:18	12°♉48'39	0°54'38
minimum elong	-7450 Jul 01 j 17:14	12°♉48'37	0°54'56
	-7450 Jul 11 j 14:59	15°♉	
morning rise	-7450 Jul 14 j 13:24	15°♉38'45	
	-7450 Sep 30 j 01:25	0°♊	
retrograde	-7450 Nov 11 j 23:23	2°♊47'10	
	-7450 Dec 25 j 14:04	30°℞♉	
opposition	-7449 Jan 11 j 08:49	27°♉55'15	1°45'41
min. Earth dist.	-7449 Jan 12 j 08:42	27°♉47'35	4.36539 AU
direct	-7449 Mar 14 j 22:49	22°♉53'56	
	-7449 May 27 j 09:38	0°♊	
evening set	-7449 Jul 20 j 04:36	10°♊53'50	
max. Earth dist.	-7449 Jul 31 j 06:24	13°♊21'37	6.35267 AU
conjunction	-7449 Aug 01 j 19:14	13°♊42'10	1°25'32
minimum elong	-7449 Aug 01 j 19:10	13°♊42'08	1°26'00
morning rise	-7449 Aug 14 j 07:31	16°♊29'21	
	-7449 Oct 23 j 12:53	0°♋	
retrograde	-7449 Dec 13 j 23:43	3°♋52'23	
	-7448 Feb 05 j 02:07	30°℞♊	
opposition	-7448 Feb 12 j 22:01	29°♊00'49	2°14'53
min. Earth dist.	-7448 Feb 13 j 23:57	28°♊52'35	4.33064 AU
direct	-7448 Apr 15 j 08:17	24°♊02'15	
	-7448 Jun 20 j 09:19	0°♋	
evening set	-7448 Aug 19 j 06:42	12°♋05'30	
max. Earth dist.	-7448 Aug 30 j 09:33	14°♋36'13	6.29589 AU
conjunction	-7448 Aug 31 j 17:04	14°♋54'05	1°32'00
minimum elong	-7448 Aug 31 j 17:05	14°♋54'06	1°32'30
morning rise	-7448 Sep 13 j 02:22	17°♋42'20	
	-7448 Nov 12 j 20:00	0°♌	
retrograde	-7447 Jan 15 j 06:09	5°♌40'30	
opposition	-7447 Mar 17 j 13:49	0°♌47'25	2°04'54
min. Earth dist.	-7447 Mar 18 j 08:55	0°♌41'21	4.25554 AU
	-7447 Mar 23 j 19:49	30°℞♋	
direct	-7447 May 18 j 04:01	25°♋51'47	
	-7447 Jul 10 j 12:52	0°♌	
evening set	-7447 Sep 19 j 18:41	14°♌06'26	
	-7447 Sep 23 j 15:59	15°♌	
max. Earth dist.	-7447 Oct 01 j 11:36	16°♌48'15	6.20891 AU
conjunction	-7447 Oct 02 j 06:39	16°♌59'16	1°10'50
minimum elong	-7447 Oct 02 j 06:43	16°♌59'18	1°11'14
morning rise	-7447 Oct 14 j 19:38	19°♌52'46	
	-7447 Nov 30 j 24:00	0°♍	
retrograde	-7446 Feb 19 j 04:18	8°♍38'53	
opposition	-7446 Apr 21 j 11:30	3°♍42'39	1°15'00
min. Earth dist.	-7446 Apr 21 j 18:10	3°♍40'30	4.16183 AU
	-7446 May 24 j 08:21	30°℞♌	
direct	-7446 Jun 20 j 20:37	28°♌49'05	
	-7446 Jul 18 j 03:00	0°♍	
evening set	-7446 Oct 22 j 11:13	17°♍21'20	
conjunction	-7446 Nov 04 j 06:00	20°♍21'01	0°26'13
minimum elong	-7446 Nov 04 j 06:02	20°♍21'02	0°26'20
max. Earth dist.	-7446 Nov 04 j 07:47	20°♍22'04	6.11776 AU
morning rise	-7446 Nov 17 j 03:16	23°♍22'11	
	-7446 Dec 16 j 11:45	0°♎	
retrograde	-7445 Mar 27 j 09:31	12°♎56'16	
desc. node	-7445 May 14 j 20:42	9°♎32'40	
opposition	-7445 May 27 j 08:34	7°♎56'07	-0°02'38
min. Earth dist.	-7445 May 26 j 23:24	7°♎59'07	4.08039 AU
direct	-7445 Jul 25 j 09:50	3°♎03'10	
evening set	-7445 Nov 25 j 22:13	21°♎55'20	
conjunction	-7445 Dec 09 j 01:26	25°♎01'34	-0°28'44
minimum elong	-7445 Dec 09 j 01:24	25°♎01'32	0°28'53
max. Earth dist.	-7445 Dec 09 j 23:41	25°♎14'44	6.05364 AU
morning rise	-7445 Dec 22 j 08:15	28°♎09'43	
	-7445 Dec 30 j 05:12	0°♏	
	-7444 Mar 16 j 18:40	15°♏	
retrograde	-7444 May 02 j 03:57	18°♏14'34	
	-7444 Jun 17 j 16:33	15°℞♏	
opposition	-7444 Jul 01 j 13:08	13°♏10'55	-1°21'28
min. Earth dist.	-7444 Jun 30 j 15:43	13°♏18'06	4.04053 AU
direct	-7444 Aug 28 j 18:17	8°♏16'27	
	-7444 Nov 03 j 07:55	15°♏	
evening set	-7444 Dec 31 j 02:29	27°♏24'15	
	-7443 Jan 11 j 03:18	0°♐	
conjunction	-7443 Jan 13 j 13:23	0°♐34'14	-1°13'57
minimum elong	-7443 Jan 13 j 13:18	0°♐34'11	1°14'20
max. Earth dist.	-7443 Jan 15 j 03:35	0°♐56'45	6.04070 AU
morning rise	-7443 Jan 27 j 03:13	3°♐45'46	
retrograde	-7443 Jun 07 j 13:24	23°♐49'04	
min. Earth dist.	-7443 Aug 05 j 04:41	18°♐52'26	4.05744 AU
opposition	-7443 Aug 06 j 05:36	18°♐43'56	-2°10'16
direct	-7443 Oct 03 j 08:30	13°♐46'26	
	-7442 Jan 24 j 05:41	0°♑	
evening set	-7442 Feb 06 j 03:54	2°♑57'25	
conjunction	-7442 Feb 19 j 19:44	6°♑07'29	-1°31'40
minimum elong	-7442 Feb 19 j 19:44	6°♑07'29	1°32'11
max. Earth dist.	-7442 Feb 21 j 09:21	6°♑29'19	6.08448 AU
morning rise	-7442 Mar 05 j 13:25	9°♑18'18	
retrograde	-7442 Jul 12 j 11:33	28°♑46'31	
opposition	-7442 Sep 09 j 18:36	23°♑42'25	-2°10'39
min. Earth dist.	-7442 Sep 08 j 21:53	23°♑49'30	4.12407 AU
direct	-7442 Nov 07 j 13:10	18°♑41'29	
	-7441 Feb 07 j 13:57	0°♒	
evening set	-7441 Mar 14 j 20:09	7°♒40'47	

Attention, astronomical year style is used: The year -7441 in astronomical counting style is the year 7442 BCE in historical counting style.

conjunction	-7441 Mar 28 j 14:07	10°♒48'07	-1°16'15
minimum elong	-7441 Mar 28 j 14:12	10°♒48'10	1°16'40
max. Earth dist.	-7441 Mar 29 j 14:30	11°♒02'00	6.16836 AU
morning rise	-7441 Apr 11 j 07:39	13°♒55'04	
	-7441 Apr 16 j 03:09	15°♒	
	-7441 Jul 05 j 23:19	0°♓	
retrograde	-7441 Aug 14 j 20:35	2°♓30'07	
	-7441 Sep 23 j 12:33	30°℞♒	
opposition	-7441 Oct 13 j 00:07	27°♒29'09	-1°26'18
min. Earth dist.	-7441 Oct 12 j 15:37	27°♒32'02	4.21596 AU
direct	-7441 Dec 11 j 23:48	22°♒25'49	
	-7440 Feb 24 j 06:57	0°♓	
evening set	-7440 Apr 18 j 04:36	11°♓04'18	
conjunction	-7440 May 01 j 20:01	14°♓06'46	-0°35'43
minimum elong	-7440 May 01 j 20:05	14°♓06'48	0°35'54
max. Earth dist.	-7440 May 01 j 22:55	14°♓08'23	6.26178 AU
morning rise	-7440 May 15 j 09:07	17°♓07'57	
	-7440 Jul 19 j 11:43	0°♈	
retrograde	-7440 Sep 14 j 18:27	4°♈53'27	
	-7440 Nov 12 j 17:54	30°℞♓	
opposition	-7440 Nov 13 j 04:55	29°♓56'20	-0°16'25
min. Earth dist.	-7440 Nov 13 j 09:28	29°♓54'50	4.30218 AU
direct	-7439 Jan 13 j 10:21	24°♓52'14	
asc. node	-7439 Feb 07 j 10:36	25°♓49'05	
	-7439 Mar 15 j 06:31	0°♈	
evening set	-7439 May 21 j 21:31	13°♈10'03	
max. Earth dist.	-7439 Jun 03 j 12:00	15°♈56'51	6.33477 AU
conjunction	-7439 Jun 04 j 05:32	16°♈06'32	0°14'53
minimum elong	-7439 Jun 04 j 05:30	16°♈06'31	0°14'58
behind sun begin	-7439 Jun 04 j 02:38	16°♈04'56	
behind sun end	-7439 Jun 04 j 08:23	16°♈08'06	
morning rise	-7439 Jun 17 j 10:08	19°♈01'16	
	-7439 Aug 10 j 23:20	0°♉	
retrograde	-7439 Oct 16 j 01:17	6°♉16'02	
opposition	-7439 Dec 14 j 22:32	1°♉22'18	0°56'10
min. Earth dist.	-7439 Dec 15 j 15:57	1°♉16'38	4.35686 AU
	-7439 Dec 25 j 14:46	30°℞♈	
direct	-7438 Feb 15 j 04:03	26°♈19'08	
	-7438 Apr 07 j 11:21	0°♉	
evening set	-7438 Jun 23 j 04:05	14°♉23'02	
	-7438 Jun 25 j 23:22	15°♉	
max. Earth dist.	-7438 Jul 04 j 18:02	16°♉56'17	6.36613 AU
conjunction	-7438 Jul 06 j 02:17	17°♉14'07	1°00'08
minimum elong	-7438 Jul 06 j 02:13	17°♉14'05	1°00'27
morning rise	-7438 Jul 18 j 21:11	20°♉03'34	
	-7438 Sep 05 j 13:12	0°♊	
retrograde	-7438 Nov 16 j 08:35	7°♊12'11	
opposition	-7437 Jan 15 j 20:10	2°♊20'22	1°51'48
min. Earth dist.	-7437 Jan 16 j 20:59	2°♊12'25	4.36427 AU
	-7437 Feb 03 j 21:17	30°℞♉	
direct	-7437 Mar 19 j 10:53	27°♉19'19	
	-7437 May 01 j 20:18	0°♊	
evening set	-7437 Jul 24 j 12:32	15°♊18'56	
max. Earth dist.	-7437 Aug 04 j 14:32	17°♊47'02	6.34773 AU
conjunction	-7437 Aug 06 j 02:21	18°♊07'03	1°28'02
minimum elong	-7437 Aug 06 j 02:19	18°♊07'01	1°28'30
morning rise	-7437 Aug 18 j 13:43	20°♊54'04	
	-7437 Oct 01 j 03:03	0°♋	
retrograde	-7437 Dec 18 j 12:01	8°♋20'43	
opposition	-7436 Feb 17 j 12:24	3°♋29'04	2°15'56
min. Earth dist.	-7436 Feb 18 j 13:54	3°♋20'59	4.32222 AU
	-7436 Mar 19 j 01:26	30°℞♊	
direct	-7436 Apr 19 j 20:44	28°♊30'56	
	-7436 May 21 j 13:05	0°♋	
evening set	-7436 Aug 23 j 14:52	16°♋35'24	
max. Earth dist.	-7436 Sep 03 j 17:16	19°♋06'20	6.28456 AU
conjunction	-7436 Sep 05 j 00:58	19°♋24'20	1°30'42
minimum elong	-7436 Sep 05 j 00:59	19°♋24'21	1°31'10
morning rise	-7436 Sep 17 j 10:33	22°♋13'08	
	-7436 Oct 23 j 11:06	0°♌	
retrograde	-7435 Jan 20 j 01:15	10°♌17'41	
opposition	-7435 Mar 22 j 08:40	5°♌24'14	2°00'13
min. Earth dist.	-7435 Mar 23 j 02:48	5°♌18'28	4.24189 AU
direct	-7435 May 22 j 19:27	0°♌28'53	
	-7435 Sep 07 j 14:12	15°♌	
evening set	-7435 Sep 24 j 06:00	18°♌46'10	
conjunction	-7435 Oct 06 j 18:50	21°♌39'57	1°05'48
minimum elong	-7435 Oct 06 j 18:54	21°♌39'59	1°06'10
max. Earth dist.	-7435 Oct 06 j 03:02	21°♌30'48	6.19438 AU
morning rise	-7435 Oct 19 j 08:40	24°♌34'28	
	-7435 Nov 12 j 12:25	0°♍	
retrograde	-7434 Feb 24 j 04:06	13°♍28'05	
opposition	-7434 Apr 26 j 10:34	8°♍31'24	1°05'20
min. Earth dist.	-7434 Apr 26 j 15:01	8°♍29'58	4.14756 AU
direct	-7434 Jun 25 j 14:19	3°♍38'07	
evening set	-7434 Oct 27 j 04:35	22°♍13'46	
conjunction	-7434 Nov 09 j 00:25	25°♍14'30	0°18'43
minimum elong	-7434 Nov 09 j 00:26	25°♍14'31	0°18'49
max. Earth dist.	-7434 Nov 09 j 04:23	25°♍16'50	6.10518 AU
morning rise	-7434 Nov 21 j 23:08	28°♍16'51	
	-7434 Nov 29 j 08:42	0°♎	
desc. node	-7433 Mar 25 j 01:28	17°♎51'53	
retrograde	-7433 Apr 01 j 12:41	17°♎57'14	
opposition	-7433 Jun 01 j 10:27	12°♎56'32	-0°14'22
min. Earth dist.	-7433 May 31 j 22:47	13°♎00'23	4.07082 AU
direct	-7433 Jul 30 j 08:07	8°♎03'33	
evening set	-7433 Nov 30 j 22:00	26°♎58'43	
	-7433 Dec 13 j 16:52	0°♏	
conjunction	-7433 Dec 14 j 02:33	0°♏05'44	-0°36'08
minimum elong	-7433 Dec 14 j 02:30	0°♏05'42	0°36'21
max. Earth dist.	-7433 Dec 15 j 05:25	0°♏21'38	6.04827 AU
morning rise	-7433 Dec 27 j 10:25	3°♏14'36	
	-7432 Feb 19 j 13:23	15°♏	
retrograde	-7432 May 07 j 08:53	23°♏21'19	
opposition	-7432 Jul 06 j 14:51	18°♏17'23	-1°30'44
min. Earth dist.	-7432 Jul 05 j 16:24	18°♏24'56	4.04041 AU
	-7432 Aug 02 j 12:21	15°℞♏	
direct	-7432 Sep 02 j 18:50	13°♏22'40	
	-7432 Oct 03 j 23:04	15°♏	
	-7432 Dec 25 j 10:16	0°♐	
evening set	-7431 Jan 05 j 06:47	2°♐31'13	
conjunction	-7431 Jan 18 j 18:17	5°♐41'15	-1°18'20
minimum elong	-7431 Jan 18 j 18:13	5°♐41'13	1°18'46
max. Earth dist.	-7431 Jan 20 j 08:45	6°♐03'53	6.04563 AU
morning rise	-7431 Feb 01 j 08:57	8°♐52'50	
retrograde	-7431 Jun 12 j 11:12	28°♐52'00	
min. Earth dist.	-7431 Aug 10 j 01:19	23°♐55'41	4.06720 AU
opposition	-7431 Aug 11 j 03:14	23°♐46'50	-2°13'17
direct	-7431 Oct 08 j 07:04	18°♐48'51	
	-7430 Jan 06 j 08:44	0°♑	
evening set	-7430 Feb 11 j 07:31	7°♑57'44	
conjunction	-7430 Feb 24 j 23:50	11°♑07'22	-1°31'24
minimum elong	-7430 Feb 24 j 23:51	11°♑07'23	1°31'54
max. Earth dist.	-7430 Feb 26 j 13:01	11°♑28'54	6.09814 AU

Attention, astronomical year style is used: The year -7430 in astronomical counting style is the year 7431 BCE in historical counting style.

morning rise	-7430 Mar 10 j 17:31	14°♑17'34	
	-7430 May 29 j 14:28	0°♒	
retrograde	-7430 Jul 17 j 04:53	3°♒37'29	
	-7430 Sep 03 j 18:28	30°℞♑	
opposition	-7430 Sep 14 j 10:41	28°♑33'43	-2°06'44
min. Earth dist.	-7430 Sep 13 j 16:04	28°♑40'05	4.14001 AU
direct	-7430 Nov 12 j 09:43	23°♑32'24	
	-7429 Jan 18 j 04:18	0°♒	
evening set	-7429 Mar 19 j 18:45	12°♒27'33	
	-7429 Mar 31 j 00:22	15°♒	
conjunction	-7429 Apr 02 j 12:36	15°♒34'08	-1°11'49
minimum elong	-7429 Apr 02 j 12:41	15°♒34'11	1°12'13
max. Earth dist.	-7429 Apr 03 j 10:21	15°♒46'27	6.18515 AU
morning rise	-7429 Apr 16 j 05:45	18°♒40'11	
	-7429 Jun 09 j 21:13	0°♓	
retrograde	-7429 Aug 19 j 05:14	7°♓06'32	
opposition	-7429 Oct 17 j 10:48	2°♓06'05	-1°17'41
min. Earth dist.	-7429 Oct 17 j 03:30	2°♓08'33	4.23196 AU
	-7429 Nov 02 j 12:48	30°℞♒	
direct	-7429 Dec 16 j 14:18	27°♒02'32	
	-7428 Jan 30 j 03:17	0°♓	
evening set	-7428 Apr 22 j 20:46	15°♓36'59	
conjunction	-7428 May 06 j 11:19	18°♓38'33	-0°29'03
minimum elong	-7428 May 06 j 11:22	18°♓38'34	0°29'12
max. Earth dist.	-7428 May 06 j 10:09	18°♓37'53	6.27576 AU
morning rise	-7428 May 19 j 23:26	21°♓38'44	
	-7428 Jun 28 j 16:03	0°♈	
retrograde	-7428 Sep 19 j 01:40	9°♈18'16	
opposition	-7428 Nov 17 j 12:31	4°♈21'43	-0°06'14
min. Earth dist.	-7428 Nov 17 j 20:09	4°♈19'12	4.31292 AU
asc. node	-7428 Dec 20 j 05:20	0°♈33'35	
	-7428 Dec 27 j 14:30	30°℞♓	
direct	-7427 Jan 17 j 22:59	29°♓17'39	
	-7427 Feb 08 j 11:15	0°♈	
evening set	-7427 May 26 j 08:09	17°♈32'59	
conjunction	-7427 Jun 08 j 15:00	20°♈28'43	0°21'37
minimum elong	-7427 Jun 08 j 14:58	20°♈28'41	0°21'44
max. Earth dist.	-7427 Jun 07 j 18:17	20°♈17'16	6.34127 AU
morning rise	-7427 Jun 21 j 18:18	23°♈22'40	
	-7427 Jul 23 j 00:08	0°♉	
retrograde	-7427 Oct 20 j 06:06	10°♉35'33	
opposition	-7427 Dec 19 j 05:44	5°♉42'11	1°05'04
min. Earth dist.	-7427 Dec 20 j 00:23	5°♉36'07	4.35897 AU
direct	-7426 Feb 19 j 12:24	0°♉39'12	
	-7426 Jun 10 j 06:50	15°♉	
evening set	-7426 Jun 27 j 11:28	18°♉42'54	
max. Earth dist.	-7426 Jul 08 j 22:57	21°♉15'00	6.36353 AU
conjunction	-7426 Jul 10 j 08:25	21°♉33'33	1°05'08
minimum elong	-7426 Jul 10 j 08:21	21°♉33'30	1°05'30
morning rise	-7426 Jul 23 j 02:07	24°♉22'36	
	-7426 Aug 18 j 08:13	0°♊	
retrograde	-7426 Nov 20 j 17:38	11°♊33'32	
opposition	-7425 Jan 20 j 06:13	6°♊41'56	1°57'11
min. Earth dist.	-7425 Jan 21 j 08:18	6°♊33'36	4.35730 AU
direct	-7425 Mar 23 j 21:01	1°♊41'16	
evening set	-7425 Jul 28 j 19:17	19°♊42'34	
max. Earth dist.	-7425 Aug 08 j 19:05	22°♊09'55	6.33668 AU
conjunction	-7425 Aug 10 j 08:17	22°♊30'46	1°29'57
minimum elong	-7425 Aug 10 j 08:15	22°♊30'45	1°30'26
morning rise	-7425 Aug 22 j 19:15	25°♊18'02	
	-7425 Sep 13 j 08:08	0°♋	
retrograde	-7425 Dec 23 j 02:20	12°♋50'34	
opposition	-7424 Feb 22 j 03:23	7°♋58'47	2°16'12
min. Earth dist.	-7424 Feb 23 j 04:05	7°♋50'56	4.30802 AU
direct	-7424 Apr 24 j 08:18	3°♋01'01	
evening set	-7424 Aug 27 j 23:50	21°♋08'36	
max. Earth dist.	-7424 Sep 08 j 05:38	23°♋41'59	6.26850 AU
conjunction	-7424 Sep 09 j 10:09	23°♋58'15	1°28'46
minimum elong	-7424 Sep 09 j 10:12	23°♋58'16	1°29'15
morning rise	-7424 Sep 21 j 19:54	26°♋47'49	
	-7424 Oct 06 j 03:10	0°♌	
	-7423 Jan 23 j 05:38	15°♌	
retrograde	-7423 Jan 24 j 22:25	15°♌00'16	
	-7423 Jan 26 j 15:08	15°℞♌	
opposition	-7423 Mar 27 j 05:23	10°♌06'29	1°54'38
min. Earth dist.	-7423 Mar 27 j 21:49	10°♌01'15	4.22513 AU
direct	-7423 May 27 j 11:38	5°♌11'33	
	-7423 Aug 20 j 18:43	15°♌	
evening set	-7423 Sep 28 j 19:38	23°♌32'20	
conjunction	-7423 Oct 11 j 09:09	26°♌27'07	1°00'13
minimum elong	-7423 Oct 11 j 09:13	26°♌27'10	1°00'32
max. Earth dist.	-7423 Oct 10 j 19:25	26°♌19'08	6.17842 AU
morning rise	-7423 Oct 24 j 00:15	29°♌22'51	
	-7423 Oct 26 j 16:44	0°♍	
retrograde	-7422 Mar 01 j 06:12	18°♍24'21	
opposition	-7422 May 01 j 12:08	13°♍27'01	0°54'58
min. Earth dist.	-7422 May 01 j 13:21	13°♍26'37	4.13360 AU
direct	-7422 Jun 30 j 10:52	8°♍33'52	
evening set	-7422 Nov 01 j 00:04	27°♍12'29	
	-7422 Nov 12 j 21:05	0°♎	
conjunction	-7422 Nov 13 j 21:15	0°♎14'14	0°10'58
minimum elong	-7422 Nov 13 j 21:16	0°♎14'15	0°11'01
behind sun begin	-7422 Nov 13 j 15:09	0°♎10'40	
behind sun end	-7422 Nov 14 j 03:23	0°♎17'51	
max. Earth dist.	-7422 Nov 14 j 06:39	0°♎19'46	6.09462 AU
morning rise	-7422 Nov 26 j 21:11	3°♎17'37	
desc. node	-7421 Feb 01 j 04:26	17°♎07'52	
retrograde	-7421 Apr 06 j 18:30	23°♎02'57	
opposition	-7421 Jun 06 j 13:51	18°♎01'41	-0°26'10
min. Earth dist.	-7421 Jun 06 j 00:26	18°♎06'07	4.06465 AU
direct	-7421 Aug 04 j 08:48	13°♎08'34	
	-7421 Nov 27 j 00:56	0°♏	
evening set	-7421 Dec 05 j 23:25	2°♏05'18	
conjunction	-7421 Dec 19 j 04:51	5°♏12'47	-0°43'21
minimum elong	-7421 Dec 19 j 04:47	5°♏12'45	0°43'35
max. Earth dist.	-7421 Dec 20 j 09:21	5°♏29'38	6.04658 AU
morning rise	-7420 Jan 01 j 13:57	8°♏22'11	
	-7420 Jan 30 j 16:49	15°♏	
retrograde	-7420 May 12 j 10:54	28°♏28'50	
opposition	-7420 Jul 11 j 16:03	23°♏24'31	-1°39'19
min. Earth dist.	-7420 Jul 10 j 15:37	23°♏32'45	4.04350 AU
direct	-7420 Sep 07 j 18:31	18°♏29'21	
	-7420 Dec 07 j 14:05	0°♐	
evening set	-7419 Jan 10 j 10:56	7°♐37'38	
conjunction	-7419 Jan 23 j 23:18	10°♐47'40	-1°22'10
minimum elong	-7419 Jan 23 j 23:15	10°♐47'38	1°22'37
max. Earth dist.	-7419 Jan 25 j 15:12	11°♐11'05	6.05289 AU
morning rise	-7419 Feb 06 j 14:24	13°♐59'04	
	-7419 Apr 27 j 18:23	0°♑	
retrograde	-7419 Jun 17 j 10:07	3°♑53'15	
	-7419 Aug 07 j 03:40	30°℞♐	
min. Earth dist.	-7419 Aug 14 j 23:40	28°♐56'28	4.07784 AU
opposition	-7419 Aug 16 j 00:10	28°♐48'06	-2°15'21
direct	-7419 Oct 13 j 06:45	23°♐49'38	

Attention, astronomical year style is used: The year -7419 in astronomical counting style is the year 7420 BCE in historical counting style.

	-7419 Dec 16 j 09:19	0°♉	
evening set	-7418 Feb 16 j 10:20	12°♉56'12	
conjunction	-7418 Mar 02 j 03:02	16°♉05'25	-1°30'32
minimum elong	-7418 Mar 02 j 03:04	16°♉05'26	1°31'01
max. Earth dist.	-7418 Mar 03 j 14:55	16°♉26'07	6.11115 AU
morning rise	-7418 Mar 15 j 20:52	19°♉15'04	
	-7418 May 05 j 05:13	0°♒	
retrograde	-7418 Jul 21 j 19:51	8°♒27'06	
min. Earth dist.	-7418 Sep 18 j 08:14	3°♒29'52	4.15416 AU
opposition	-7418 Sep 19 j 02:12	3°♒23'44	-2°02'05
	-7418 Oct 16 j 13:35	30°℞♉	
direct	-7418 Nov 17 j 04:12	28°♉22'02	
	-7418 Dec 19 j 05:14	0°♒	
	-7417 Mar 14 j 17:04	15°♒	
evening set	-7417 Mar 24 j 17:19	17°♒13'53	
conjunction	-7417 Apr 07 j 10:53	20°♒19'47	-1°06'58
minimum elong	-7417 Apr 07 j 10:58	20°♒19'49	1°07'19
max. Earth dist.	-7417 Apr 08 j 04:23	20°♒29'40	6.19946 AU
morning rise	-7417 Apr 21 j 03:40	23°♒25'03	
	-7417 May 21 j 11:17	0°♓	
retrograde	-7417 Aug 23 j 17:09	11°♓43'52	
opposition	-7417 Oct 21 j 22:13	6°♓43'58	-1°08'36
min. Earth dist.	-7417 Oct 21 j 18:00	6°♓45'23	4.24501 AU
direct	-7417 Dec 21 j 07:18	1°♓40'13	
evening set	-7416 Apr 27 j 13:43	20°♓11'37	
conjunction	-7416 May 11 j 03:37	23°♓12'26	-0°22'10
minimum elong	-7416 May 11 j 03:39	23°♓12'27	0°22'17
max. Earth dist.	-7416 May 11 j 00:03	23°♓10'28	6.28675 AU
morning rise	-7416 May 24 j 14:38	26°♓11'45	
	-7416 Jun 11 j 02:21	0°♈	
retrograde	-7416 Sep 23 j 08:41	13°♈46'24	
asc. node	-7416 Oct 31 j 07:35	11°♈31'48	
opposition	-7416 Nov 21 j 21:48	8°♈50'22	0°04'07
min. Earth dist.	-7416 Nov 22 j 06:30	8°♈47'29	4.32112 AU
direct	-7415 Jan 22 j 10:32	3°♈46'22	
evening set	-7415 May 30 j 20:26	21°♈59'54	
max. Earth dist.	-7415 Jun 12 j 01:59	24°♈41'40	6.34607 AU
conjunction	-7415 Jun 13 j 01:52	24°♈54'53	0°28'21
minimum elong	-7415 Jun 13 j 01:50	24°♈54'51	0°28'31
morning rise	-7415 Jun 26 j 03:57	27°♈48'07	
	-7415 Jul 06 j 06:01	0°♉	
retrograde	-7415 Oct 24 j 15:40	14°♉59'46	
opposition	-7415 Dec 23 j 15:40	10°♉06'47	1°13'49
min. Earth dist.	-7415 Dec 24 j 12:38	9°♉59'59	4.36019 AU
direct	-7414 Feb 24 j 01:01	5°♉04'04	
	-7414 May 23 j 23:32	15°♉	
evening set	-7414 Jul 01 j 20:44	23°♉07'29	
max. Earth dist.	-7414 Jul 13 j 05:49	25°♉38'28	6.36091 AU
conjunction	-7414 Jul 14 j 16:31	25°♉57'42	1°09'55
minimum elong	-7414 Jul 14 j 16:26	25°♉57'40	1°10'18
morning rise	-7414 Jul 27 j 09:03	28°♉46'24	
	-7414 Aug 01 j 23:01	0°♊	
retrograde	-7414 Nov 25 j 03:50	15°♊59'39	
opposition	-7413 Jan 24 j 18:37	11°♊08'08	2°02'03
min. Earth dist.	-7413 Jan 25 j 20:17	10°♊59'57	4.35141 AU
direct	-7413 Mar 28 j 07:38	6°♊07'53	
evening set	-7413 Aug 02 j 03:49	24°♊10'18	
max. Earth dist.	-7413 Aug 13 j 04:33	26°♊38'32	6.32806 AU
conjunction	-7413 Aug 14 j 16:08	26°♊58'32	1°31'26
minimum elong	-7413 Aug 14 j 16:06	26°♊58'31	1°31'55
morning rise	-7413 Aug 27 j 02:30	29°♊45'54	
	-7413 Aug 28 j 03:46	0°♋	
retrograde	-7413 Dec 27 j 18:49	17°♋23'29	
opposition	-7412 Feb 26 j 20:06	12°♋31'36	2°15'40
min. Earth dist.	-7412 Feb 27 j 20:30	12°♋23'52	4.29735 AU
direct	-7412 Apr 28 j 23:03	7°♋34'21	
evening set	-7412 Sep 01 j 09:36	25°♋43'36	
conjunction	-7412 Sep 13 j 19:57	28°♋33'46	1°26'21
minimum elong	-7412 Sep 13 j 20:00	28°♋33'48	1°26'49
max. Earth dist.	-7412 Sep 12 j 16:27	28°♋18'02	6.25680 AU
	-7412 Sep 20 j 02:47	0°♌	
morning rise	-7412 Sep 26 j 06:15	1°♌24'01	
	-7412 Dec 03 j 08:57	15°♌	
retrograde	-7411 Jan 29 j 18:21	19°♌42'56	
	-7411 Mar 30 j 14:54	15°℞♌	
opposition	-7411 Apr 01 j 02:20	14°♌48'42	1°48'20
min. Earth dist.	-7411 Apr 01 j 15:56	14°♌44'22	4.21324 AU
direct	-7411 Jun 01 j 03:43	9°♌54'08	
	-7411 Jul 30 j 09:04	15°♌	
evening set	-7411 Oct 03 j 08:43	28°♌16'44	
	-7411 Oct 10 j 18:51	0°♍	
conjunction	-7411 Oct 15 j 23:12	1°♍12'22	0°54'18
minimum elong	-7411 Oct 15 j 23:16	1°♍12'25	0°54'35
max. Earth dist.	-7411 Oct 15 j 14:05	1°♍07'04	6.16766 AU
morning rise	-7411 Oct 28 j 15:11	4°♍09'01	
retrograde	-7410 Mar 06 j 07:10	23°♍16'22	
opposition	-7410 May 06 j 11:50	18°♍18'33	0°44'23
min. Earth dist.	-7410 May 06 j 11:30	18°♍18'40	4.12472 AU
direct	-7410 Jul 05 j 07:36	13°♍25'34	
	-7410 Oct 27 j 17:49	0°♎	
evening set	-7410 Nov 05 j 18:04	2°♎05'45	
conjunction	-7410 Nov 18 j 16:12	5°♎08'14	0°03'20
minimum elong	-7410 Nov 18 j 16:13	5°♎08'15	0°03'20
behind sun begin	-7410 Nov 18 j 08:09	5°♎03'31	
behind sun end	-7410 Nov 19 j 00:17	5°♎12'59	
max. Earth dist.	-7410 Nov 19 j 03:28	5°♎14'51	6.08836 AU
morning rise	-7410 Dec 01 j 17:33	8°♎12'29	
desc. node	-7410 Dec 12 j 08:38	10°♎40'31	
retrograde	-7409 Apr 11 j 18:40	28°♎01'07	
opposition	-7409 Jun 11 j 13:35	22°♎59'20	-0°37'26
min. Earth dist.	-7409 Jun 10 j 21:26	23°♎04'41	4.06169 AU
direct	-7409 Aug 09 j 05:08	18°♎06'02	
	-7409 Nov 09 j 20:09	0°♏	
evening set	-7409 Dec 10 j 21:50	7°♏03'46	
conjunction	-7409 Dec 24 j 04:23	10°♏11'40	-0°50'01
minimum elong	-7409 Dec 24 j 04:18	10°♏11'38	0°50'17
max. Earth dist.	-7409 Dec 25 j 11:44	10°♏30'12	6.04700 AU
morning rise	-7408 Jan 06 j 14:16	13°♏21'24	
	-7408 Jan 13 j 15:25	15°♏	
	-7408 Mar 30 j 13:32	0°♐	
retrograde	-7408 May 17 j 11:04	3°♐27'27	
	-7408 Jul 04 j 08:50	30°℞♏	
opposition	-7408 Jul 16 j 13:31	28°♏22'51	-1°46'53
min. Earth dist.	-7408 Jul 15 j 13:36	28°♏30'57	4.04728 AU
direct	-7408 Sep 12 j 16:26	23°♏27'17	
	-7408 Nov 17 j 08:22	0°♐	
evening set	-7407 Jan 15 j 11:49	12°♐35'27	
conjunction	-7407 Jan 29 j 00:51	15°♐45'28	-1°25'16
minimum elong	-7407 Jan 29 j 00:48	15°♐45'26	1°25'44
max. Earth dist.	-7407 Jan 30 j 16:42	16°♐08'48	6.05943 AU
morning rise	-7407 Feb 11 j 16:31	18°♐56'45	
	-7407 Apr 03 j 17:26	0°♑	
retrograde	-7407 Jun 22 j 04:10	8°♑46'15	

Attention, astronomical year style is used: The year -7407 in astronomical counting style is the year 7408 BCE in historical counting style.

opposition	-7407 Aug 20 j 17:17	3°♑41'16	-2°16'25
min. Earth dist.	-7407 Aug 19 j 16:53	3°♑49'37	4.08668 AU
	-7407 Sep 20 j 07:21	30°℞♐	
direct	-7407 Oct 18 j 00:35	28°♐42'21	
	-7407 Nov 15 j 00:50	0°♑	
evening set	-7406 Feb 21 j 10:28	17°♑47'41	
conjunction	-7406 Mar 07 j 03:26	20°♑56'35	-1°29'03
minimum elong	-7406 Mar 07 j 03:28	20°♑56'37	1°29'33
max. Earth dist.	-7406 Mar 08 j 11:46	21°♑15'11	6.12143 AU
morning rise	-7406 Mar 20 j 21:25	24°♑05'49	
	-7406 Apr 16 j 10:55	0°♒	
retrograde	-7406 Jul 26 j 10:25	13°♒11'18	
opposition	-7406 Sep 23 j 15:20	8°♒08'20	-1°56'46
min. Earth dist.	-7406 Sep 22 j 23:57	8°♒13'34	4.16475 AU
direct	-7406 Nov 21 j 22:05	3°♒06'14	
	-7405 Feb 25 j 13:56	15°♒	
evening set	-7405 Mar 29 j 13:47	21°♒56'12	
conjunction	-7405 Apr 12 j 07:22	25°♒01'40	-1°01'45
minimum elong	-7405 Apr 12 j 07:27	25°♒01'42	1°02'05
max. Earth dist.	-7405 Apr 12 j 22:58	25°♒10'27	6.20978 AU
morning rise	-7405 Apr 25 j 23:34	28°♒06'18	
	-7405 May 04 j 12:05	0°♓	
retrograde	-7405 Aug 28 j 03:00	16°♓19'09	
opposition	-7405 Oct 26 j 08:36	11°♓19'49	-0°59'15
min. Earth dist.	-7405 Oct 26 j 05:34	11°♓20'51	4.25417 AU
direct	-7405 Dec 25 j 20:24	6°♓15'58	
evening set	-7404 May 02 j 06:05	24°♓45'40	
conjunction	-7404 May 15 j 18:56	27°♓45'49	-0°15'12
minimum elong	-7404 May 15 j 18:58	27°♓45'50	0°15'16
behind sun begin	-7404 May 15 j 16:42	27°♓44'35	
behind sun end	-7404 May 15 j 21:13	27°♓47'05	
max. Earth dist.	-7404 May 15 j 11:01	27°♓41'26	6.29415 AU
	-7404 May 25 j 20:40	0°♈	
morning rise	-7404 May 29 j 05:06	0°♈44'27	
asc. node	-7404 Sep 11 j 07:17	17°♈49'05	
retrograde	-7404 Sep 27 j 18:32	18°♈15'31	
opposition	-7404 Nov 26 j 07:28	13°♈19'58	0°14'24
min. Earth dist.	-7404 Nov 26 j 18:46	13°♈16'15	4.32636 AU
direct	-7403 Jan 27 j 00:07	8°♈16'01	
evening set	-7403 Jun 04 j 08:53	26°♈28'33	
conjunction	-7403 Jun 17 j 13:12	29°♈22'54	0°34'57
minimum elong	-7403 Jun 17 j 13:09	29°♈22'52	0°35'08
max. Earth dist.	-7403 Jun 16 j 12:41	29°♈09'20	6.34878 AU
	-7403 Jun 20 j 08:18	0°♉	
morning rise	-7403 Jun 30 j 13:49	2°♉15'27	
	-7403 Sep 04 j 04:36	15°♉	
retrograde	-7403 Oct 28 j 23:31	19°♉26'23	
	-7403 Dec 24 j 16:35	15°℞♉	
opposition	-7403 Dec 28 j 02:12	14°♉33'40	1°22'09
min. Earth dist.	-7403 Dec 28 j 23:04	14°♉26'55	4.36053 AU
direct	-7402 Feb 28 j 11:35	9°♉31'14	
	-7402 May 03 j 04:41	15°♉	
evening set	-7402 Jul 06 j 06:32	27°♉34'20	
	-7402 Jul 17 j 05:38	0°♊	
max. Earth dist.	-7402 Jul 17 j 13:32	0°♊04'23	6.35870 AU
conjunction	-7402 Jul 19 j 00:57	0°♊24'04	1°14'18
minimum elong	-7402 Jul 19 j 00:53	0°♊24'02	1°14'43
morning rise	-7402 Jul 31 j 16:28	3°♊12'23	
retrograde	-7402 Nov 29 j 16:28	20°♊27'38	
opposition	-7401 Jan 29 j 07:59	15°♊36'10	2°06'14
min. Earth dist.	-7401 Jan 30 j 10:30	15°♊27'43	4.34683 AU
direct	-7401 Apr 01 j 21:34	10°♊36'16	
evening set	-7401 Aug 06 j 12:06	28°♊38'48	
	-7401 Aug 12 j 13:07	0°♋	
conjunction	-7401 Aug 18 j 23:50	1°♋27'01	1°32'23
minimum elong	-7401 Aug 18 j 23:49	1°♋27'00	1°32'53
max. Earth dist.	-7401 Aug 17 j 12:53	1°♋07'20	6.32122 AU
morning rise	-7401 Aug 31 j 09:48	4°♋14'28	
retrograde	-7400 Jan 01 j 08:46	21°♋56'19	
opposition	-7400 Mar 02 j 12:35	17°♋04'07	2°14'18
min. Earth dist.	-7400 Mar 03 j 10:57	16°♋57'01	4.28867 AU
direct	-7400 May 03 j 12:03	12°♋07'13	
	-7400 Sep 04 j 12:20	0°♌	
evening set	-7400 Sep 05 j 18:48	0°♌17'18	
max. Earth dist.	-7400 Sep 17 j 04:42	2°♌53'47	6.24691 AU
conjunction	-7400 Sep 18 j 05:22	3°♌07'56	1°23'25
minimum elong	-7400 Sep 18 j 05:26	3°♌07'58	1°23'52
morning rise	-7400 Sep 30 j 16:00	5°♌58'46	
	-7400 Nov 11 j 13:48	15°♌	
retrograde	-7399 Feb 03 j 14:44	24°♌23'21	
opposition	-7399 Apr 05 j 22:15	19°♌28'41	1°41'23
min. Earth dist.	-7399 Apr 06 j 11:07	19°♌24'34	4.20248 AU
	-7399 May 20 j 08:50	15°℞♌	
direct	-7399 Jun 05 j 21:14	14°♌34'22	
	-7399 Jun 22 j 07:18	15°♌	
	-7399 Sep 24 j 21:04	0°♍	
evening set	-7399 Oct 07 j 21:03	2°♍58'33	
conjunction	-7399 Oct 20 j 12:20	5°♍55'01	0°48'05
minimum elong	-7399 Oct 20 j 12:24	5°♍55'03	0°48'21
max. Earth dist.	-7399 Oct 20 j 04:39	5°♍50'32	6.15698 AU
morning rise	-7399 Nov 02 j 05:36	8°♍52'40	