Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

conjunction	-9900 Feb 19 j 00:31	17°♐53'48	-1°01'36
minimum elong	-9900 Feb 19 j 02:04	17°♐56'19	1°02'09
max. Earth dist.	-9900 Mar 03 j 00:42	26°♐20'07	2.64136 AU
	-9900 Mar 08 j 16:52	0°♑	
morning rise	-9900 Apr 07 j 20:25	19°♑19'44	
	-9900 Apr 24 j 14:39	0°♒	
	-9900 Jun 10 j 22:55	0°♓	
asc. node	-9900 Jun 22 j 08:50	7°♓12'21	
	-9900 Jul 28 j 15:08	0°♈	
	-9900 Sep 15 j 10:23	0°♉	
	-9900 Nov 07 j 17:34	0°♊	
retrograde	-9899 Jan 16 j 18:10	22°♊01'32	
opposition	-9899 Feb 16 j 22:31	16°♊38'33	6°00'36
greatest brilliancy	-9899 Feb 18 j 05:34	16°♊16'20	-2.7m
min. Earth dist.	-9899 Feb 22 j 09:24	15°♊05'14	0.40370 AU
direct	-9899 Mar 21 j 21:57	10°♊34'37	
desc. node	-9899 May 21 j 05:13	0°♋03'19	
	-9899 May 21 j 02:47	0°♋	
	-9899 Jul 08 j 22:09	0°♌	
	-9899 Aug 22 j 02:14	0°♍	
	-9899 Oct 04 j 17:39	0°♎	
	-9899 Nov 18 j 03:11	0°♏	
	-9898 Jan 02 j 16:33	0°♐	
evening set	-9898 Feb 09 j 17:35	24°♐33'11	
	-9898 Feb 18 j 05:34	0°♑	
max. Earth dist.	-9898 Mar 27 j 16:36	23°♑56'26	2.66594 AU
conjunction	-9898 Mar 30 j 01:40	25°♑27'36	-0°23'34
minimum elong	-9898 Mar 30 j 02:34	25°♑29'02	0°24'05
	-9898 Apr 06 j 04:03	0°♒	
asc. node	-9898 May 10 j 01:39	21°♒46'41	
morning rise	-9898 May 15 j 16:56	25°♒25'19	
	-9898 May 22 j 18:31	0°♓	
	-9898 Jul 07 j 12:36	0°♈	
	-9898 Aug 21 j 07:05	0°♉	
	-9898 Oct 04 j 07:58	0°♊	
	-9898 Nov 17 j 06:57	0°♋	
	-9897 Jan 01 j 19:58	0°♌	
	-9897 Feb 26 j 10:16	0°♍	
retrograde	-9897 Apr 02 j 22:48	7°♍46'14	
desc. node	-9897 Apr 08 j 08:07	7°♍34'03	
min. Earth dist.	-9897 Apr 30 j 04:49	3°♍08'36	0.40708 AU
opposition	-9897 May 06 j 12:37	1°♍14'28	-2°04'42
greatest brilliancy	-9897 May 05 j 23:05	1°♍24'40	-2.7m
	-9897 May 10 j 17:27	30°℞♌	
direct	-9897 Jun 06 j 09:00	25°♌39'48	
	-9897 Jul 03 j 11:26	0°♍	
	-9897 Sep 05 j 13:19	0°♎	
	-9897 Oct 25 j 20:58	0°♏	
	-9897 Dec 13 j 06:44	0°♐	
	-9896 Jan 30 j 06:36	0°♑	
	-9896 Mar 17 j 19:15	0°♒	
evening set	-9896 Mar 20 j 02:53	1°♒28'37	
asc. node	-9896 Mar 26 j 20:39	5°♒46'52	
max. Earth dist.	-9896 Apr 20 j 11:47	21°♒38'34	2.63702 AU
	-9896 May 03 j 07:31	0°♓	
conjunction	-9896 May 06 j 22:20	2°♓22'15	0°23'56
minimum elong	-9896 May 06 j 21:25	2°♓20'45	0°23'36
	-9896 Jun 17 j 07:36	0°♈	
morning rise	-9896 Jun 23 j 00:53	3°♈53'49	
	-9896 Jul 30 j 15:01	0°♉	
	-9896 Sep 10 j 09:46	0°♊	
	-9896 Oct 21 j 02:14	0°♋	
	-9896 Nov 30 j 08:55	0°♌	
	-9895 Jan 10 j 07:40	0°♍	
desc. node	-9895 Feb 23 j 09:29	0°♎11'40	
	-9895 Feb 23 j 02:13	0°♎	
	-9895 Apr 19 j 05:48	0°♏	
retrograde	-9895 May 26 j 02:12	8°♏11'12	
min. Earth dist.	-9895 Jun 25 j 21:59	1°♏44'48	0.52592 AU
	-9895 Jun 30 j 14:15	30°℞♎	
greatest brilliancy	-9895 Jul 01 j 22:02	29°♎29'59	-2.0m
opposition	-9895 Jul 03 j 07:47	28°♎58'13	-5°36'43
direct	-9895 Aug 07 j 03:51	21°♎20'55	
	-9895 Sep 16 j 17:47	0°♏	
	-9895 Nov 17 j 18:46	0°♐	
	-9894 Jan 08 j 17:16	0°♑	
asc. node	-9894 Feb 11 j 19:44	20°♑41'50	
	-9894 Feb 26 j 19:42	0°♒	
	-9894 Apr 14 j 19:46	0°♓	
evening set	-9894 Apr 29 j 11:10	9°♓38'10	
max. Earth dist.	-9894 May 19 j 09:51	23°♓00'38	2.55726 AU
	-9894 May 29 j 15:46	0°♈	
conjunction	-9894 Jun 18 j 06:26	13°♈36'19	1°03'51
minimum elong	-9894 Jun 18 j 04:51	13°♈33'33	1°03'55
	-9894 Jul 11 j 07:59	0°♉	
morning rise	-9894 Aug 08 j 13:26	20°♉37'15	
	-9894 Aug 21 j 03:37	0°♊	
	-9894 Sep 29 j 16:01	0°♋	
	-9894 Nov 07 j 14:53	0°♌	
	-9894 Dec 16 j 20:53	0°♍	
desc. node	-9893 Jan 11 j 05:47	18°♍55'06	
	-9893 Jan 26 j 11:26	0°♎	
	-9893 Mar 10 j 23:10	0°♏	
	-9893 Apr 30 j 03:53	0°♐	
retrograde	-9893 Jul 05 j 10:37	21°♐03'40	
min. Earth dist.	-9893 Aug 10 j 05:45	12°♐43'59	0.62412 AU
opposition	-9893 Aug 14 j 05:38	11°♐07'56	-4°38'28
greatest brilliancy	-9893 Aug 13 j 15:22	11°♐22'14	-1.5m
direct	-9893 Sep 21 j 05:30	2°♐10'26	
	-9893 Dec 14 j 06:01	0°♑	
asc. node	-9893 Dec 30 j 23:01	8°♑50'55	
	-9892 Feb 06 j 00:33	0°♒	
	-9892 Mar 25 j 13:22	0°♓	
	-9892 May 09 j 19:01	0°♈	
evening set	-9892 Jun 13 j 15:30	24°♈27'20	
	-9892 Jun 21 j 07:53	0°♉	
max. Earth dist.	-9892 Jul 01 j 05:31	7°♉13'32	2.44063 AU
	-9892 Jul 31 j 17:31	0°♊	
conjunction	-9892 Aug 08 j 01:02	5°♊33'53	1°07'01
minimum elong	-9892 Aug 08 j 02:56	5°♊37'30	1°07'29
	-9892 Sep 08 j 17:10	0°♋	
morning rise	-9892 Oct 07 j 20:08	22°♋44'42	
	-9892 Oct 17 j 02:55	0°♌	
	-9892 Nov 24 j 19:41	0°♍	
desc. node	-9892 Nov 27 j 22:58	2°♍24'05	
	-9891 Jan 03 j 16:33	0°♎	
	-9891 Feb 14 j 14:42	0°♏	
	-9891 Mar 31 j 16:11	0°♐	
	-9891 May 21 j 12:03	0°♑	
retrograde	-9891 Aug 08 j 22:46	26°♑41'31	
opposition	-9891 Sep 17 j 17:02	16°♑58'22	-2°17'20
min. Earth dist.	-9891 Sep 17 j 11:06	17°♑04'21	0.66525 AU
greatest brilliancy	-9891 Sep 17 j 17:08	16°♑58'16	-1.4m
direct	-9891 Oct 27 j 18:17	7°♑15'39	
asc. node	-9891 Nov 17 j 04:11	9°♑36'58	
	-9890 Jan 09 j 10:21	0°♒	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9890 Mar 04 j 03:11	0°♓		
	-9890 Apr 19 j 21:09	0°♈		
	-9890 Jun 01 j 20:13	0°♉		
	-9890 Jul 12 j 06:01	0°♊		
evening set	-9890 Aug 10 j 08:14	22°♊23'42		
	-9890 Aug 20 j 02:16	0°♋		
	-9890 Sep 27 j 08:06	0°♌		
conjunction	-9890 Oct 12 j 02:04	11°♌32'28	0°02'50	
minimum elong	-9890 Oct 12 j 02:21	11°♌33'01	0°03'17	
behind sun begin	-9890 Oct 10 j 23:23	10°♌40'25		
behind sun end	-9890 Oct 13 j 05:19	12°♌25'36		
desc. node	-9890 Oct 15 j 17:23	14°♌22'39		
	-9890 Nov 04 j 21:42	0°♍		
max. Earth dist.	-9890 Nov 19 j 01:15	10°♍48'52	2.39925 AU	
	-9890 Dec 14 j 15:13	0°♎		
morning rise	-9890 Dec 16 j 01:03	1°♎02'32		
	-9889 Jan 25 j 05:17	0°♏		
	-9889 Mar 10 j 04:27	0°♐		
	-9889 Apr 26 j 02:57	0°♑		
	-9889 Jun 16 j 19:48	0°♒		
	-9889 Sep 01 j 11:42	0°♓		
retrograde	-9889 Sep 13 j 21:16	0°♓54'37		
	-9889 Sep 25 j 16:39	30°℞♒		
asc. node	-9889 Oct 05 j 08:16	27°♒53'25		
opposition	-9889 Oct 22 j 13:05	21°♒51'02	0°41'44	
greatest brilliancy	-9889 Oct 22 j 14:49	21°♒49'19	-1.5m	
min. Earth dist.	-9889 Oct 25 j 23:51	20°♒29'11	0.64473 AU	
direct	-9889 Dec 02 j 10:19	11°♒51'24		
	-9888 Feb 03 j 01:31	0°♓		
	-9888 Mar 27 j 00:51	0°♈		
	-9888 May 10 j 18:12	0°♉		
	-9888 Jun 20 j 19:40	0°♊		
	-9888 Jul 29 j 23:09	0°♋		
desc. node	-9888 Sep 01 j 14:53	26°♋15'20		
	-9888 Sep 06 j 10:03	0°♌		
evening set	-9888 Oct 14 j 10:14	29°♌24'42		
	-9888 Oct 15 j 04:41	0°♍		
	-9888 Nov 24 j 03:18	0°♎		
conjunction	-9888 Dec 13 j 16:58	14°♎14'58	-1°02'58	
minimum elong	-9888 Dec 13 j 14:37	14°♎10'43	1°03'01	
	-9887 Jan 04 j 20:39	0°♏		
max. Earth dist.	-9887 Jan 20 j 12:41	10°♏54'00	2.52120 AU	
morning rise	-9887 Feb 08 j 18:30	24°♏01'23		
	-9887 Feb 17 j 16:04	0°♐		
	-9887 Apr 04 j 14:36	0°♑		
	-9887 May 22 j 17:20	0°♒		
	-9887 Jul 13 j 00:47	0°♓		
asc. node	-9887 Aug 22 j 08:19	20°♓45'58		
	-9887 Sep 13 j 10:00	0°♈		
retrograde	-9887 Oct 24 j 14:35	8°♈33'09		
opposition	-9887 Nov 29 j 23:55	0°♈36'46	4°03'56	
greatest brilliancy	-9887 Nov 30 j 21:18	0°♈16'46	-1.8m	
	-9887 Dec 01 j 15:10	30°℞♓		
min. Earth dist.	-9887 Dec 06 j 20:18	28°♓03'14	0.56493 AU	
direct	-9886 Jan 08 j 22:32	21°♓05'32		
	-9886 Feb 17 j 20:02	0°♈		
	-9886 Apr 14 j 15:25	0°♉		
	-9886 May 28 j 13:10	0°♊		
	-9886 Jul 07 j 23:58	0°♋		
desc. node	-9886 Jul 20 j 15:46	9°♋37'06		
	-9886 Aug 16 j 07:40	0°♌		
	-9886 Sep 24 j 19:46	0°♍		
	-9886 Nov 04 j 10:06	0°♎		
evening set	-9886 Dec 10 j 19:26	25°♎54'10		
	-9886 Dec 16 j 16:39	0°♏		

	-9885 Jan 29 j 20:00	0°♐		
conjunction	-9885 Feb 02 j 02:30	2°♐10'30	-1°10'13	
minimum elong	-9885 Feb 02 j 03:31	2°♐12'12	1°10'42	
max. Earth dist.	-9885 Feb 21 j 14:16	15°♐01'26	2.61721 AU	
	-9885 Mar 16 j 15:40	0°♑		
morning rise	-9885 Mar 24 j 13:20	5°♑05'13		
	-9885 May 02 j 16:49	0°♒		
	-9885 Jun 19 j 15:14	0°♓		
asc. node	-9885 Jul 10 j 03:11	12°♓38'10		
	-9885 Aug 07 j 19:26	0°♈		
	-9885 Sep 29 j 16:37	0°♉		
retrograde	-9885 Dec 20 j 00:59	27°♉16'33		
opposition	-9884 Jan 21 j 18:33	21°♉09'13	6°34'29	
greatest brilliancy	-9884 Jan 23 j 13:05	20°♉35'32	-2.4m	
min. Earth dist.	-9884 Jan 29 j 15:00	18°♉40'59	0.44487 AU	
direct	-9884 Feb 26 j 11:09	13°♉47'51		
	-9884 Apr 20 j 09:13	0°♊		
desc. node	-9884 Jun 06 j 20:55	28°♊51'58		
	-9884 Jun 08 j 13:21	0°♋		
	-9884 Jul 21 j 10:47	0°♌		
	-9884 Sep 01 j 04:56	0°♍		
	-9884 Oct 13 j 10:47	0°♎		
	-9884 Nov 25 j 22:50	0°♏		
	-9883 Jan 09 j 22:29	0°♐		
evening set	-9883 Jan 24 j 18:02	9°♐41'07		
	-9883 Feb 25 j 03:57	0°♑		
conjunction	-9883 Mar 14 j 22:16	11°♑23'42	-0°40'15	
minimum elong	-9883 Mar 14 j 23:40	11°♑25'57	0°40'48	
max. Earth dist.	-9883 Mar 18 j 10:22	13°♑38'15	2.66275 AU	
	-9883 Apr 13 j 00:33	0°♒		
morning rise	-9883 May 01 j 02:32	11°♒34'02		
asc. node	-9883 May 26 j 19:28	28°♒03'43		
	-9883 May 29 j 19:43	0°♓		
	-9883 Jul 15 j 03:08	0°♈		
	-9883 Aug 29 j 23:07	0°♉		
	-9883 Oct 14 j 21:19	0°♊		
	-9883 Dec 01 j 11:38	0°♋		
	-9882 Jan 27 j 20:50	0°♌		
retrograde	-9882 Mar 06 j 05:46	8°♌04'27		
min. Earth dist.	-9882 Apr 04 j 09:08	3°♌15'00	0.38332 AU	
opposition	-9882 Apr 06 j 12:18	2°♌40'17	1°28'30	
greatest brilliancy	-9882 Apr 06 j 11:31	2°♌40'49	-2.9m	
	-9882 Apr 16 j 22:01	30°℞♋		
desc. node	-9882 Apr 25 j 02:04	28°♋27'00		
direct	-9882 May 06 j 18:54	27°♋34'48		
	-9882 May 26 j 11:35	0°♌		
	-9882 Jul 31 j 13:34	0°♍		
	-9882 Sep 18 j 09:41	0°♎		
	-9882 Nov 04 j 06:57	0°♏		
	-9882 Dec 21 j 04:58	0°♐		
	-9881 Feb 06 j 11:33	0°♑		
evening set	-9881 Mar 05 j 23:46	17°♑26'47		
	-9881 Mar 25 j 16:50	0°♒		
max. Earth dist.	-9881 Apr 11 j 14:32	10°♒49'57	2.65455 AU	
asc. node	-9881 Apr 13 j 12:44	12°♒04'14		
conjunction	-9881 Apr 22 j 17:46	18°♒00'34	0°05'27	
minimum elong	-9881 Apr 22 j 17:35	18°♒00'16	0°05'02	
behind sun begin	-9881 Apr 21 j 22:48	17°♒29'56		
behind sun end	-9881 Apr 23 j 12:23	18°♒30'38		
	-9881 May 11 j 04:38	0°♓		
morning rise	-9881 Jun 08 j 07:24	18°♓32'16		
	-9881 Jun 25 j 10:00	0°♈		
	-9881 Aug 08 j 03:58	0°♉		
	-9881 Sep 19 j 14:19	0°♊		

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9881 Oct 31 j 03:02	0°♋	
	-9881 Dec 11 j 12:15	0°♌	
	-9880 Jan 23 j 06:01	0°♍	
desc. node	-9880 Mar 12 j 03:07	0°♎03'09	
	-9880 Mar 12 j 00:45	0°♎	
retrograde	-9880 May 07 j 08:18	17°♎33'43	
min. Earth dist.	-9880 Jun 05 j 02:08	11°♎59'10	0.47695 AU
greatest brilliancy	-9880 Jun 11 j 17:41	9°♎39'22	-2.3m
opposition	-9880 Jun 13 j 04:44	9°♎08'23	-5°05'27
direct	-9880 Jul 16 j 12:20	2°♎16'06	
	-9880 Oct 05 j 17:04	0°♏	
	-9880 Nov 27 j 21:22	0°♐	
	-9879 Jan 16 j 17:41	0°♑	
asc. node	-9879 Feb 28 j 10:33	26°♑28'08	
	-9879 Mar 06 j 01:16	0°♒	
evening set	-9879 Apr 13 j 09:35	24°♒31'32	
	-9879 Apr 21 j 19:07	0°♓	
max. Earth dist.	-9879 May 07 j 08:59	10°♓16'00	2.59411 AU
conjunction	-9879 Jun 01 j 01:56	26°♓52'33	0°50'42
minimum elong	-9879 Jun 01 j 00:17	26°♓49'44	0°50'35
	-9879 Jun 05 j 15:48	0°♈	
	-9879 Jul 18 j 12:46	0°♉	
morning rise	-9879 Jul 20 j 03:36	1°♉09'30	
	-9879 Aug 28 j 15:44	0°♊	
	-9879 Oct 07 j 12:36	0°♋	
	-9879 Nov 15 j 20:20	0°♌	
	-9879 Dec 25 j 12:27	0°♍	
desc. node	-9878 Jan 28 j 00:33	24°♍30'06	
	-9878 Feb 04 j 18:45	0°♎	
	-9878 Mar 21 j 22:11	0°♏	
	-9878 May 20 j 08:22	0°♐	
retrograde	-9878 Jun 20 j 16:47	5°♐51'40	
	-9878 Jul 19 j 23:00	30°℞♏	
min. Earth dist.	-9878 Jul 24 j 17:09	28°♏11'29	0.59193 AU
greatest brilliancy	-9878 Jul 29 j 05:06	26°♏24'57	-1.7m
opposition	-9878 Jul 30 j 03:31	26°♏02'47	-5°16'08
direct	-9878 Sep 05 j 00:37	17°♏31'32	
	-9878 Oct 25 j 23:29	0°♐	
	-9878 Dec 24 j 22:06	0°♑	
asc. node	-9877 Jan 16 j 12:40	12°♑54'53	
	-9877 Feb 14 j 04:07	0°♒	
	-9877 Apr 02 j 22:26	0°♓	
	-9877 May 17 j 22:57	0°♈	
evening set	-9877 May 26 j 14:56	5°♈58'43	
max. Earth dist.	-9877 Jun 11 j 18:34	17°♈17'51	2.48863 AU
	-9877 Jun 29 j 12:22	0°♉	
conjunction	-9877 Jul 18 j 07:42	13°♉45'26	1°12'50
minimum elong	-9877 Jul 18 j 07:44	13°♉45'31	1°13'12
	-9877 Aug 09 j 01:15	0°♊	
morning rise	-9877 Sep 12 j 21:55	26°♊40'33	
	-9877 Sep 17 j 04:58	0°♋	
	-9877 Oct 25 j 18:34	0°♌	
	-9877 Dec 03 j 14:47	0°♍	
desc. node	-9877 Dec 15 j 19:23	9°♍15'59	
	-9876 Jan 12 j 15:31	0°♎	
	-9876 Feb 23 j 21:47	0°♏	
	-9876 Apr 09 j 23:44	0°♐	
	-9876 Jun 04 j 11:45	0°♑	
retrograde	-9876 Jul 26 j 09:03	13°♑27'37	
min. Earth dist.	-9876 Sep 02 j 13:55	4°♑17'06	0.65652 AU
opposition	-9876 Sep 04 j 07:10	3°♑35'28	-3°17'37
greatest brilliancy	-9876 Sep 04 j 03:12	3°♑39'28	-1.4m
	-9876 Sep 13 j 12:14	30°℞♐	
direct	-9876 Oct 13 j 16:19	24°♐07'06	
	-9876 Nov 16 j 04:06	0°♑	

asc. node	-9876 Dec 03 j 17:42	6°♑26'41	
	-9875 Jan 20 j 18:41	0°♒	
	-9875 Mar 12 j 14:43	0°♓	
	-9875 Apr 27 j 14:03	0°♈	
	-9875 Jun 09 j 07:28	0°♉	
evening set	-9875 Jul 17 j 07:10	28°♉11'29	
	-9875 Jul 19 j 16:21	0°♊	
	-9875 Aug 27 j 13:09	0°♋	
max. Earth dist.	-9875 Sep 05 j 00:33	6°♋37'41	2.38288 AU
conjunction	-9875 Sep 15 j 15:18	14°♋56'58	0°34'33
minimum elong	-9875 Sep 15 j 18:06	15°♋02'27	0°35'06
	-9875 Oct 04 j 19:39	0°♌	
desc. node	-9875 Nov 01 j 12:17	21°♌35'56	
	-9875 Nov 12 j 09:32	0°♍	
morning rise	-9875 Nov 19 j 22:48	5°♍47'25	
	-9875 Dec 22 j 02:58	0°♎	
	-9874 Feb 01 j 17:55	0°♏	
	-9874 Mar 17 j 22:38	0°♐	
	-9874 May 04 j 17:58	0°♑	
	-9874 Jun 29 j 03:31	0°♒	
retrograde	-9874 Aug 30 j 13:36	17°♒39'18	
opposition	-9874 Oct 08 j 18:46	8°♒17'14	-0°31'16
greatest brilliancy	-9874 Oct 08 j 19:56	8°♒16'04	-1.4m
min. Earth dist.	-9874 Oct 10 j 18:56	7°♒29'06	0.66024 AU
asc. node	-9874 Oct 21 j 22:39	3°♒16'26	
	-9874 Nov 02 j 15:50	30°℞♑	
direct	-9874 Nov 18 j 12:14	28°♑20'20	
	-9874 Dec 05 j 09:44	0°♒	
	-9873 Feb 15 j 23:31	0°♓	
	-9873 Apr 06 j 07:10	0°♈	
	-9873 May 20 j 01:43	0°♉	
	-9873 Jun 29 j 18:37	0°♊	
	-9873 Aug 07 j 17:40	0°♋	
	-9873 Sep 15 j 01:10	0°♌	
evening set	-9873 Sep 19 j 20:21	3°♌45'16	
desc. node	-9873 Sep 19 j 08:23	3°♌21'52	
	-9873 Oct 23 j 16:31	0°♍	
conjunction	-9873 Nov 21 j 11:46	21°♍49'32	-0°44'05
minimum elong	-9873 Nov 21 j 08:48	21°♍43'58	0°43'55
	-9873 Dec 02 j 11:47	0°♎	
max. Earth dist.	-9872 Jan 04 j 08:04	23°♎48'23	2.47322 AU
	-9872 Jan 13 j 02:21	0°♏	
morning rise	-9872 Jan 20 j 23:29	5°♏30'59	
	-9872 Feb 25 j 21:11	0°♐	
	-9872 Apr 12 j 01:00	0°♑	
	-9872 May 31 j 00:25	0°♒	
	-9872 Jul 24 j 11:32	0°♓	
asc. node	-9872 Sep 08 j 00:17	18°♓41'44	
retrograde	-9872 Oct 07 j 06:06	23°♓18'24	
opposition	-9872 Nov 13 j 16:40	14°♓51'20	2°44'06
greatest brilliancy	-9872 Nov 14 j 04:09	14°♓40'16	-1.6m
min. Earth dist.	-9872 Nov 19 j 06:46	12°♓42'16	0.60306 AU
direct	-9872 Dec 24 j 06:59	5°♓00'51	
	-9871 Mar 08 j 09:33	0°♈	
	-9871 Apr 25 j 18:06	0°♉	
	-9871 Jun 07 j 00:39	0°♊	
	-9871 Jul 16 j 18:13	0°♋	
desc. node	-9871 Aug 06 j 09:34	15°♋54'50	
	-9871 Aug 24 j 14:34	0°♌	
	-9871 Oct 02 j 17:16	0°♍	
	-9871 Nov 11 j 23:11	0°♎	
evening set	-9871 Nov 20 j 01:43	5°♎53'59	
	-9871 Dec 23 j 22:37	0°♏	
conjunction	-9870 Jan 14 j 21:36	15°♏09'37	-1°13'22

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

minimum elong	-9870 Jan 14 j 21:33	15°♏09'32	1°13'43
	-9870 Feb 05 j 21:07	0°♐	
max. Earth dist.	-9870 Feb 10 j 10:48	3°♐02'48	2.58515 AU
morning rise	-9870 Mar 08 j 12:26	20°♐11'50	
	-9870 Mar 23 j 15:54	0°♑	
	-9870 May 09 j 23:18	0°♒	
	-9870 Jun 27 j 18:36	0°♓	
asc. node	-9870 Jul 26 j 20:44	17°♓13'51	
	-9870 Aug 18 j 09:25	0°♈	
	-9870 Oct 21 j 15:06	0°♉	
retrograde	-9870 Nov 25 j 10:43	6°♉24'50	
	-9870 Dec 28 j 08:09	30°℞♈	
opposition	-9870 Dec 29 j 19:46	29°♈29'28	5°56'26
greatest brilliancy	-9870 Dec 31 j 09:49	28°♈56'36	-2.1m
min. Earth dist.	-9869 Jan 06 j 23:16	26°♈41'39	0.49360 AU
direct	-9869 Feb 05 j 16:47	21°♈01'12	
	-9869 Mar 16 j 18:08	0°♉	
	-9869 May 09 j 18:31	0°♊	
	-9869 Jun 22 j 00:13	0°♋	
desc. node	-9869 Jun 24 j 13:10	1°♋50'26	
	-9869 Aug 01 j 18:44	0°♌	
	-9869 Sep 11 j 07:10	0°♍	
	-9869 Oct 22 j 16:15	0°♎	
	-9869 Dec 04 j 13:12	0°♏	
evening set	-9868 Jan 08 j 20:56	23°♏52'19	
	-9868 Jan 18 j 02:27	0°♐	
conjunction	-9868 Feb 28 j 07:27	26°♐54'50	-0°54'39
minimum elong	-9868 Feb 28 j 09:03	26°♐57'25	0°55'13
	-9868 Mar 04 j 02:14	0°♑	
max. Earth dist.	-9868 Mar 08 j 20:25	3°♑03'54	2.65115 AU
morning rise	-9868 Apr 16 j 10:29	27°♑45'52	
	-9868 Apr 19 j 22:39	0°♒	
	-9868 Jun 06 j 01:18	0°♓	
asc. node	-9868 Jun 12 j 13:29	4°♓08'44	
	-9868 Jul 23 j 03:32	0°♈	
	-9868 Sep 08 j 14:18	0°♉	
	-9868 Oct 28 j 00:14	0°♊	
	-9868 Dec 26 j 15:21	0°♋	
retrograde	-9867 Feb 03 j 02:55	8°♋06'49	
opposition	-9867 Mar 05 j 22:17	2°♋58'00	4°51'14
greatest brilliancy	-9867 Mar 06 j 15:43	2°♋46'06	-2.8m
min. Earth dist.	-9867 Mar 09 j 00:01	2°♋07'51	0.38863 AU
	-9867 Mar 17 j 09:35	30°℞♊	
direct	-9867 Apr 06 j 09:37	27°♊29'38	
	-9867 Apr 26 j 05:06	0°♋	
desc. node	-9867 May 11 j 17:24	4°♋57'21	
	-9867 Jun 29 j 03:29	0°♌	
	-9867 Aug 14 j 23:15	0°♍	
	-9867 Sep 28 j 19:32	0°♎	
	-9867 Nov 12 j 20:57	0°♏	
	-9867 Dec 28 j 19:28	0°♐	
	-9866 Feb 13 j 13:32	0°♑	
evening set	-9866 Feb 18 j 16:17	3°♑15'52	
	-9866 Apr 01 j 13:42	0°♒	
max. Earth dist.	-9866 Apr 02 j 04:58	0°♒24'24	2.66406 AU
conjunction	-9866 Apr 07 j 17:20	3°♒56'13	-0°13'10
minimum elong	-9866 Apr 07 j 17:51	3°♒57'04	0°13'39
behind sun begin	-9866 Apr 07 j 07:50	3°♒41'02	
behind sun end	-9866 Apr 08 j 03:52	4°♒13'06	
asc. node	-9866 Apr 30 j 06:46	18°♒26'30	
	-9866 May 18 j 02:53	0°♓	
morning rise	-9866 May 24 j 05:20	3°♓58'34	
	-9866 Jul 02 j 16:00	0°♈	
	-9866 Aug 16 j 00:40	0°♉	
	-9866 Sep 28 j 09:25	0°♊	
	-9866 Nov 10 j 05:53	0°♋	
	-9866 Dec 23 j 15:56	0°♌	
	-9865 Feb 08 j 21:55	0°♍	
desc. node	-9865 Mar 29 j 20:51	21°♍17'12	
retrograde	-9865 Apr 16 j 18:28	23°♍27'09	
min. Earth dist.	-9865 May 14 j 01:09	18°♍36'59	0.42911 AU
opposition	-9865 May 21 j 15:15	16°♍11'49	-3°33'14
greatest brilliancy	-9865 May 20 j 14:02	16°♍32'01	-2.6m
direct	-9865 Jun 22 j 06:18	10°♍10'43	
	-9865 Aug 26 j 02:00	0°♎	
	-9865 Oct 19 j 04:37	0°♏	
	-9865 Dec 07 j 19:45	0°♐	
	-9864 Jan 25 j 08:38	0°♑	
	-9864 Mar 13 j 03:06	0°♒	
asc. node	-9864 Mar 17 j 02:46	2°♒31'55	
evening set	-9864 Mar 28 j 21:11	10°♒02'32	
max. Earth dist.	-9864 Apr 26 j 10:29	28°♒30'29	2.62371 AU
	-9864 Apr 28 j 17:13	0°♓	
conjunction	-9864 May 15 j 21:40	11°♓19'42	0°34'17
minimum elong	-9864 May 15 j 20:24	11°♓17'36	0°34'02
	-9864 Jun 12 j 16:05	0°♈	
morning rise	-9864 Jul 02 j 12:59	13°♈39'51	
	-9864 Jul 25 j 19:36	0°♉	
	-9864 Sep 05 j 08:19	0°♊	
	-9864 Oct 15 j 16:59	0°♋	
	-9864 Nov 24 j 13:50	0°♌	
	-9863 Jan 03 j 22:30	0°♍	
desc. node	-9863 Feb 13 j 19:51	28°♍55'15	
	-9863 Feb 15 j 10:11	0°♎	
	-9863 Apr 05 j 10:38	0°♏	
retrograde	-9863 Jun 04 j 19:50	19°♏04'10	
min. Earth dist.	-9863 Jul 06 j 20:09	12°♏09'51	0.55128 AU
greatest brilliancy	-9863 Jul 12 j 08:04	10°♏03'17	-1.9m
opposition	-9863 Jul 13 j 14:26	9°♏34'01	-5°36'45
direct	-9863 Aug 18 j 04:33	1°♏35'37	
	-9863 Nov 10 j 06:45	0°♐	
	-9862 Jan 03 j 03:12	0°♑	
asc. node	-9862 Feb 02 j 03:25	17°♑54'00	
	-9862 Feb 21 j 21:04	0°♒	
	-9862 Apr 10 j 03:19	0°♓	
evening set	-9862 May 09 j 00:00	19°♓05'53	
	-9862 May 25 j 01:14	0°♈	
max. Earth dist.	-9862 May 27 j 01:22	1°♈22'37	2.53418 AU
conjunction	-9862 Jun 28 j 16:01	24°♈14'13	1°09'09
minimum elong	-9862 Jun 28 j 14:48	24°♈12'02	1°09'19
	-9862 Jul 06 j 16:39	0°♉	
	-9862 Aug 16 j 09:52	0°♊	
morning rise	-9862 Aug 20 j 14:36	3°♊09'32	
	-9862 Sep 24 j 18:50	0°♋	
	-9862 Nov 02 j 13:37	0°♌	
	-9862 Dec 11 j 15:04	0°♍	
desc. node	-9861 Jan 01 j 14:39	15°♍46'57	
	-9861 Jan 20 j 22:44	0°♎	
	-9861 Mar 04 j 19:35	0°♏	
	-9861 Apr 21 j 20:00	0°♐	
retrograde	-9861 Jul 13 j 13:58	29°♐43'35	
min. Earth dist.	-9861 Aug 19 j 07:09	21°♐04'28	0.63836 AU
opposition	-9861 Aug 22 j 11:45	19°♐47'24	-4°11'19
greatest brilliancy	-9861 Aug 22 j 01:37	19°♐57'36	-1.5m
direct	-9861 Sep 30 j 00:48	10°♐37'44	
	-9861 Dec 05 j 23:35	0°♑	
asc. node	-9861 Dec 21 j 07:12	7°♑30'44	
	-9860 Jan 31 j 07:21	0°♒	
	-9860 Mar 20 j 13:03	0°♓	
	-9860 May 05 j 00:59	0°♈	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9860 Jun 16 j 15:53	0°♉	
evening set	-9860 Jun 25 j 04:45	6°♉13'08	
max. Earth dist.	-9860 Jul 16 j 15:19	22°♉07'37	2.41552 AU
	-9860 Jul 27 j 01:40	0°♊	
conjunction	-9860 Aug 21 j 07:35	19°♊21'36	0°58'36
minimum elong	-9860 Aug 21 j 10:22	19°♊26'59	0°59'07
	-9860 Sep 04 j 00:22	0°♋	
	-9860 Oct 12 j 08:30	0°♌	
morning rise	-9860 Oct 23 j 06:41	8°♌32'13	
desc. node	-9860 Nov 18 j 09:31	28°♌47'10	
	-9860 Nov 19 j 23:26	0°♍	
	-9860 Dec 29 j 17:48	0°♎	
	-9859 Feb 09 j 11:22	0°♏	
	-9859 Mar 26 j 02:01	0°♐	
	-9859 May 14 j 09:03	0°♑	
	-9859 Jul 18 j 20:10	0°♒	
retrograde	-9859 Aug 16 j 18:57	4°♒38'48	
	-9859 Sep 12 j 07:21	30°℞♑	
opposition	-9859 Sep 25 j 09:46	25°♑02'00	-1°39'41
greatest brilliancy	-9859 Sep 25 j 11:03	25°♑00'43	-1.4m
min. Earth dist.	-9859 Sep 25 j 22:58	24°♑48'43	0.66617 AU
direct	-9859 Nov 04 j 18:09	15°♑13'04	
asc. node	-9859 Nov 07 j 12:18	15°♑15'53	
	-9859 Dec 31 j 07:27	0°♒	
	-9858 Feb 26 j 04:46	0°♓	
	-9858 Apr 14 j 16:57	0°♈	
	-9858 May 27 j 22:32	0°♉	
	-9858 Jul 07 j 11:03	0°♊	
	-9858 Aug 15 j 08:24	0°♋	
evening set	-9858 Aug 24 j 16:14	7°♋17'51	
	-9858 Sep 22 j 14:36	0°♌	
desc. node	-9858 Oct 06 j 04:15	10°♌36'57	
conjunction	-9858 Oct 26 j 23:45	26°♌46'26	-0°15'43
minimum elong	-9858 Oct 26 j 22:21	26°♌43'44	0°15'20
behind sun begin	-9858 Oct 26 j 13:30	26°♌26'40	
behind sun end	-9858 Oct 27 j 07:12	27°♌00'47	
	-9858 Oct 31 j 04:19	0°♍	
	-9858 Dec 09 j 21:34	0°♎	
max. Earth dist.	-9858 Dec 10 j 18:50	0°♎39'19	2.42352 AU
morning rise	-9858 Dec 29 j 17:43	14°♎31'00	
	-9857 Jan 20 j 10:27	0°♏	
	-9857 Mar 05 j 06:22	0°♐	
	-9857 Apr 20 j 19:09	0°♑	
	-9857 Jun 10 j 03:52	0°♒	
	-9857 Aug 10 j 16:59	0°♓	
retrograde	-9857 Sep 22 j 11:00	9°♓08'55	
asc. node	-9857 Sep 25 j 15:15	9°♓05'03	
opposition	-9857 Oct 30 j 17:35	0°♓16'52	1°25'43
greatest brilliancy	-9857 Oct 30 j 21:59	0°♓12'34	-1.5m
	-9857 Oct 31 j 10:46	30°℞♒	
min. Earth dist.	-9857 Nov 03 j 22:48	28°♒37'33	0.63243 AU
direct	-9857 Dec 10 j 14:16	20°♒18'14	
	-9856 Jan 22 j 19:20	0°♓	
	-9856 Mar 20 j 13:14	0°♈	
	-9856 May 05 j 05:28	0°♉	
	-9856 Jun 15 j 15:32	0°♊	
	-9856 Jul 24 j 23:16	0°♋	
desc. node	-9856 Aug 23 j 02:09	22°♋38'50	
	-9856 Sep 01 j 12:43	0°♌	
	-9856 Oct 10 j 09:25	0°♍	
evening set	-9856 Oct 28 j 05:39	13°♍31'05	
	-9856 Nov 19 j 09:43	0°♎	
conjunction	-9856 Dec 25 j 22:17	26°♎18'40	-1°09'15
minimum elong	-9856 Dec 25 j 20:44	26°♎15'57	1°09'27
	-9856 Dec 31 j 04:07	0°♏	
max. Earth dist.	-9855 Jan 28 j 18:56	19°♏45'26	2.54574 AU
	-9855 Feb 12 j 23:32	0°♐	
morning rise	-9855 Feb 19 j 06:20	4°♐11'31	
	-9855 Mar 30 j 19:13	0°♑	
	-9855 May 17 j 12:37	0°♒	
	-9855 Jul 06 j 15:51	0°♓	
asc. node	-9855 Aug 12 j 13:59	20°♓22'37	
	-9855 Sep 01 j 00:13	0°♈	
retrograde	-9855 Nov 04 j 09:07	18°♈21'08	
opposition	-9855 Dec 10 j 02:57	10°♈44'07	4°48'04
greatest brilliancy	-9855 Dec 11 j 06:33	10°♈18'52	-1.9m
min. Earth dist.	-9855 Dec 17 j 13:33	8°♈01'15	0.54117 AU
direct	-9854 Jan 18 j 12:02	1°♈29'49	
	-9854 Apr 06 j 09:09	0°♉	
	-9854 May 22 j 02:52	0°♊	
	-9854 Jul 02 j 06:15	0°♋	
desc. node	-9854 Jul 11 j 04:46	6°♋42'43	
	-9854 Aug 10 j 22:58	0°♌	
	-9854 Sep 19 j 17:25	0°♍	
	-9854 Oct 30 j 12:35	0°♎	
	-9854 Dec 11 j 22:40	0°♏	
evening set	-9854 Dec 21 j 18:59	6°♏47'00	
	-9853 Jan 25 j 04:25	0°♐	
conjunction	-9853 Feb 11 j 22:24	11°♐43'32	-1°05'46
minimum elong	-9853 Feb 11 j 23:47	11°♐45'48	1°06'18
max. Earth dist.	-9853 Feb 27 j 17:28	22°♐02'21	2.63154 AU
	-9853 Mar 12 j 00:33	0°♑	
morning rise	-9853 Apr 02 j 10:16	13°♑44'51	
	-9853 Apr 27 j 23:00	0°♒	
	-9853 Jun 14 j 12:41	0°♓	
asc. node	-9853 Jun 30 j 08:14	9°♓53'58	
	-9853 Aug 01 j 18:21	0°♈	
	-9853 Sep 20 j 22:37	0°♉	
	-9853 Nov 18 j 16:42	0°♊	
retrograde	-9852 Jan 04 j 19:50	11°♊09'57	
opposition	-9852 Feb 05 j 14:21	5°♊28'46	6°26'57
greatest brilliancy	-9852 Feb 07 j 04:56	4°♊59'51	-2.6m
min. Earth dist.	-9852 Feb 12 j 09:49	3°♊26'49	0.42051 AU
	-9852 Feb 26 j 15:55	30°℞♉	
direct	-9852 Mar 10 j 20:11	28°♉50'18	
	-9852 Mar 23 j 22:50	0°♊	
desc. node	-9852 May 28 j 09:38	29°♊06'12	
	-9852 May 29 j 20:37	0°♋	
	-9852 Jul 14 j 05:36	0°♌	
	-9852 Aug 26 j 02:38	0°♍	
	-9852 Oct 08 j 00:28	0°♎	
	-9852 Nov 20 j 22:27	0°♏	
	-9851 Jan 05 j 04:24	0°♐	
evening set	-9851 Feb 02 j 23:53	18°♐42'20	
	-9851 Feb 20 j 13:14	0°♑	
conjunction	-9851 Mar 23 j 15:59	19°♑54'55	-0°30'47
minimum elong	-9851 Mar 23 j 17:07	19°♑56'45	0°31'20
max. Earth dist.	-9851 Mar 23 j 23:12	20°♑06'28	2.66555 AU
	-9851 Apr 08 j 10:31	0°♒	
morning rise	-9851 May 09 j 11:52	19°♒54'53	
asc. node	-9851 May 17 j 00:50	24°♒46'16	
	-9851 May 25 j 03:12	0°♓	
	-9851 Jul 10 j 03:05	0°♈	
	-9851 Aug 24 j 08:09	0°♉	
	-9851 Oct 08 j 02:26	0°♊	
	-9851 Nov 22 j 06:55	0°♋	
	-9850 Jan 09 j 15:42	0°♌	
retrograde	-9850 Mar 22 j 09:41	25°♌31'42	
desc. node	-9850 Apr 15 j 12:34	21°♌55'30	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

min. Earth dist.	-9850 Apr 19 j 03:19	20°♌55'44	0.39329 AU
opposition	-9850 Apr 23 j 21:22	19°♌34'08	-0°38'55
greatest brilliancy	-9850 Apr 23 j 17:55	19°♌36'37	-2.9m
direct	-9850 May 24 j 07:49	14°♌17'01	
	-9850 Jul 18 j 18:21	0°♍	
	-9850 Sep 10 j 21:01	0°♎	
	-9850 Oct 29 j 09:33	0°♏	
	-9850 Dec 16 j 01:34	0°♐	
	-9849 Feb 01 j 17:02	0°♑	
evening set	-9849 Mar 14 j 16:28	25°♑55'07	
	-9849 Mar 21 j 02:19	0°♒	
asc. node	-9849 Apr 03 j 19:27	8°♒45'57	
max. Earth dist.	-9849 Apr 17 j 07:26	17°♒27'16	2.64590 AU
conjunction	-9849 May 01 j 10:03	26°♒36'14	0°16'11
minimum elong	-9849 May 01 j 09:26	26°♒35'14	0°15'49
behind sun begin	-9849 May 01 j 07:41	26°♒32'24	
behind sun end	-9849 May 01 j 11:10	26°♒38'04	
	-9849 May 06 j 14:56	0°♓	
morning rise	-9849 Jun 17 j 04:59	27°♓36'22	
	-9849 Jun 20 j 18:01	0°♈	
	-9849 Aug 03 j 06:46	0°♉	
	-9849 Sep 14 j 08:36	0°♊	
	-9849 Oct 25 j 09:38	0°♋	
	-9849 Dec 05 j 02:12	0°♌	
	-9848 Jan 15 j 15:18	0°♍	
	-9848 Feb 29 j 18:37	0°♎	
desc. node	-9848 Mar 02 j 14:24	1°♎06'35	
	-9848 May 14 j 15:03	0°♏	
retrograde	-9848 May 18 j 08:39	0°♏05'56	
	-9848 May 22 j 01:09	30°℞♎	
min. Earth dist.	-9848 Jun 17 j 05:46	24°♎02'27	0.50428 AU
greatest brilliancy	-9848 Jun 23 j 13:35	21°♎43'50	-2.1m
opposition	-9848 Jun 25 j 00:59	21°♎11'15	-5°29'31
direct	-9848 Jul 29 j 04:31	13°♎53'06	
	-9848 Sep 25 j 10:15	0°♏	
	-9848 Nov 21 j 13:07	0°♐	
	-9847 Jan 11 j 11:49	0°♑	
asc. node	-9847 Feb 18 j 17:37	23°♑26'06	
	-9847 Mar 01 j 05:59	0°♒	
	-9847 Apr 17 j 04:08	0°♓	
evening set	-9847 Apr 22 j 12:29	3°♓30'09	
max. Earth dist.	-9847 May 14 j 03:54	17°♓52'04	2.57467 AU
	-9847 Jun 01 j 01:27	0°♈	
conjunction	-9847 Jun 10 j 17:53	6°♈39'49	0°58'45
minimum elong	-9847 Jun 10 j 16:12	6°♈36'56	0°58'45
	-9847 Jul 13 j 20:48	0°♉	
morning rise	-9847 Jul 30 j 22:11	12°♉20'33	
	-9847 Aug 23 j 20:25	0°♊	
	-9847 Oct 02 j 13:01	0°♋	
	-9847 Nov 10 j 15:33	0°♌	
	-9847 Dec 20 j 01:04	0°♍	
desc. node	-9846 Jan 18 j 11:53	21°♍48'56	
	-9846 Jan 29 j 20:19	0°♎	
	-9846 Mar 14 j 19:26	0°♏	
	-9846 May 06 j 04:56	0°♐	
retrograde	-9846 Jun 29 j 06:51	15°♐09'50	
min. Earth dist.	-9846 Aug 03 j 07:17	7°♐07'27	0.61073 AU
opposition	-9846 Aug 07 j 23:12	5°♐15'55	-4°56'05
greatest brilliancy	-9846 Aug 07 j 05:20	5°♐33'44	-1.6m
	-9846 Aug 22 j 13:45	30°℞♏	
direct	-9846 Sep 14 j 11:38	26°♏29'37	
	-9846 Oct 09 j 13:17	0°♐	
	-9846 Dec 18 j 05:26	0°♑	
asc. node	-9845 Jan 06 j 20:07	10°♑46'20	
	-9845 Feb 08 j 20:21	0°♒	
	-9845 Mar 29 j 02:06	0°♓	
	-9845 May 13 j 06:44	0°♈	
evening set	-9845 Jun 06 j 06:07	16°♈40'48	
max. Earth dist.	-9845 Jun 22 j 11:39	28°♈16'23	2.46212 AU
	-9845 Jun 24 j 20:59	0°♉	
conjunction	-9845 Jul 30 j 08:25	26°♉12'46	1°10'50
minimum elong	-9845 Jul 30 j 09:28	26°♉14'46	1°11'17
	-9845 Aug 04 j 08:52	0°♊	
	-9845 Sep 12 j 10:49	0°♋	
morning rise	-9845 Sep 27 j 06:14	11°♋31'45	
	-9845 Oct 20 j 22:11	0°♌	
	-9845 Nov 28 j 15:55	0°♍	
desc. node	-9845 Dec 06 j 05:01	5°♍45'41	
	-9844 Jan 07 j 13:23	0°♎	
	-9844 Feb 18 j 12:56	0°♏	
	-9844 Apr 03 j 21:07	0°♐	
	-9844 May 26 j 00:16	0°♑	
retrograde	-9844 Aug 03 j 05:07	21°♑33'20	
min. Earth dist.	-9844 Sep 11 j 03:31	12°♑07'58	0.66251 AU
opposition	-9844 Sep 12 j 01:43	11°♑45'34	-2°43'15
greatest brilliancy	-9844 Sep 12 j 00:16	11°♑47'02	-1.4m
direct	-9844 Oct 21 j 20:32	2°♑08'56	
asc. node	-9844 Nov 24 j 01:22	7°♑56'30	
	-9843 Jan 13 j 17:56	0°♒	
	-9843 Mar 07 j 03:49	0°♓	
	-9843 Apr 22 j 14:57	0°♈	
	-9843 Jun 04 j 12:53	0°♉	
	-9843 Jul 14 j 23:13	0°♊	
evening set	-9843 Jul 30 j 15:26	11°♊59'35	
	-9843 Aug 22 j 20:11	0°♋	
conjunction	-9843 Sep 30 j 11:45	0°♌18'55	0°17'05
minimum elong	-9843 Sep 30 j 13:21	0°♌22'04	0°17'36
	-9843 Sep 30 j 02:06	0°♌	
desc. node	-9843 Oct 22 j 22:52	17°♌52'05	
max. Earth dist.	-9843 Oct 23 j 12:29	18°♌18'31	2.38501 AU
	-9843 Nov 07 j 15:08	0°♍	
morning rise	-9843 Dec 04 j 23:15	20°♍47'39	
	-9843 Dec 17 j 07:33	0°♎	
	-9842 Jan 27 j 20:23	0°♏	
	-9842 Mar 12 j 20:05	0°♐	
	-9842 Apr 29 j 00:13	0°♑	
	-9842 Jun 20 j 19:28	0°♒	
retrograde	-9842 Sep 07 j 17:37	25°♒40'36	
asc. node	-9842 Oct 12 j 06:01	18°♒12'15	
opposition	-9842 Oct 16 j 15:52	16°♒28'11	0°10'36
greatest brilliancy	-9842 Oct 16 j 16:16	16°♒27'48	-1.4m
min. Earth dist.	-9842 Oct 19 j 10:48	15°♒21'39	0.65283 AU
direct	-9842 Nov 26 j 12:03	6°♒29'15	
	-9841 Feb 08 j 06:13	0°♓	
	-9841 Mar 31 j 11:58	0°♈	
	-9841 May 14 j 20:19	0°♉	
	-9841 Jun 24 j 18:53	0°♊	
	-9841 Aug 02 j 20:56	0°♋	
desc. node	-9841 Sep 09 j 20:08	29°♋40'26	
	-9841 Sep 10 j 06:09	0°♌	
evening set	-9841 Oct 04 j 10:28	18°♌49'19	
	-9841 Oct 18 j 22:38	0°♍	
	-9841 Nov 27 j 18:42	0°♎	
conjunction	-9841 Dec 04 j 22:05	5°♎15'05	-0°56'02
minimum elong	-9841 Dec 04 j 19:15	5°♎09'53	0°56'00
	-9840 Jan 08 j 09:18	0°♏	
max. Earth dist.	-9840 Jan 14 j 20:08	4°♏31'17	2.50010 AU
morning rise	-9840 Feb 01 j 12:02	16°♏43'38	
	-9840 Feb 21 j 03:00	0°♐	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9840 Apr 07 j 02:05	0°♉	
	-9840 May 25 j 11:22	0°♒	
	-9840 Jul 16 j 19:19	0°♓	
asc. node	-9840 Aug 29 j 06:52	20°♓52'24	
	-9840 Sep 26 j 19:21	0°♈	
retrograde	-9840 Oct 16 j 22:38	2°♈17'56	
	-9840 Nov 04 j 18:17	30°℞♓	
opposition	-9840 Nov 22 j 20:07	24°♓06'53	3°29'53
greatest brilliancy	-9840 Nov 23 j 12:52	23°♓51'00	-1.7m
min. Earth dist.	-9840 Nov 29 j 03:19	21°♓43'35	0.58296 AU
direct	-9839 Jan 02 j 02:52	14°♓25'33	
	-9839 Feb 26 j 10:26	0°♈	
	-9839 Apr 19 j 02:42	0°♉	
	-9839 Jun 01 j 05:52	0°♊	
	-9839 Jul 11 j 08:56	0°♋	
desc. node	-9839 Jul 27 j 20:32	12°♋37'01	
	-9839 Aug 19 j 11:05	0°♌	
	-9839 Sep 27 j 18:09	0°♍	
	-9839 Nov 07 j 03:41	0°♎	
evening set	-9839 Dec 02 j 02:48	17°♎57'23	
	-9839 Dec 19 j 05:39	0°♏	
conjunction	-9838 Jan 25 j 11:36	25°♏28'42	-1°12'17
minimum elong	-9838 Jan 25 j 12:14	25°♏29'47	1°12'43
	-9838 Feb 01 j 05:39	0°♐	
max. Earth dist.	-9838 Feb 17 j 01:27	10°♐29'49	2.60383 AU
morning rise	-9838 Mar 17 j 19:58	29°♐15'13	
	-9838 Mar 18 j 23:43	0°♑	
	-9838 May 05 j 02:41	0°♒	
	-9838 Jun 22 j 08:51	0°♓	
asc. node	-9838 Jul 17 j 02:34	15°♓01'53	
	-9838 Aug 11 j 09:48	0°♈	
	-9838 Oct 06 j 07:32	0°♉	
retrograde	-9838 Dec 08 j 20:26	18°♉13'17	
opposition	-9837 Jan 11 j 08:12	11°♉44'01	6°23'17
greatest brilliancy	-9837 Jan 13 j 02:15	11°♉09'18	-2.3m
min. Earth dist.	-9837 Jan 19 j 12:57	9°♉02'36	0.46636 AU
direct	-9837 Feb 17 j 03:17	3°♉50'08	
	-9837 Apr 30 j 02:24	0°♊	
	-9837 Jun 14 j 19:46	0°♋	
desc. node	-9837 Jun 15 j 00:50	0°♋08'52	
	-9837 Jul 26 j 14:21	0°♌	
	-9837 Sep 05 j 16:49	0°♍	
	-9837 Oct 17 j 11:44	0°♎	
	-9837 Nov 29 j 15:29	0°♏	
	-9836 Jan 13 j 09:25	0°♐	
evening set	-9836 Jan 18 j 16:29	3°♐29'09	
	-9836 Feb 28 j 11:29	0°♑	
conjunction	-9836 Mar 08 j 08:46	5°♑42'52	-0°46'37
minimum elong	-9836 Mar 08 j 10:17	5°♑45'18	0°47'12
max. Earth dist.	-9836 Mar 14 j 11:54	9°♑38'56	2.65869 AU
	-9836 Apr 15 j 07:36	0°♒	
morning rise	-9836 Apr 24 j 21:33	6°♒07'06	
	-9836 Jun 01 j 05:55	0°♓	
asc. node	-9836 Jun 02 j 19:08	0°♓59'39	
	-9836 Jul 17 j 21:05	0°♈	
	-9836 Sep 02 j 08:26	0°♉	
	-9836 Oct 19 j 12:11	0°♊	
	-9836 Dec 09 j 03:24	0°♋	
retrograde	-9835 Feb 20 j 21:18	25°♋08'36	
opposition	-9835 Mar 23 j 15:05	19°♋59'02	3°05'44
greatest brilliancy	-9835 Mar 23 j 19:48	19°♋55'53	-2.9m
min. Earth dist.	-9835 Mar 23 j 21:40	19°♋54'38	0.38188 AU
direct	-9835 Apr 23 j 03:59	14°♋50'52	
desc. node	-9835 May 02 j 06:32	15°♋22'51	
	-9835 Jun 15 j 09:17	0°♌	
	-9835 Aug 06 j 20:01	0°♍	
	-9835 Sep 22 j 11:48	0°♎	
	-9835 Nov 07 j 10:17	0°♏	
	-9835 Dec 23 j 20:24	0°♐	
	-9834 Feb 08 j 20:40	0°♑	
evening set	-9834 Feb 27 j 12:28	11°♑51'45	
	-9834 Mar 27 j 23:38	0°♒	
max. Earth dist.	-9834 Apr 07 j 17:38	6°♒52'52	2.65991 AU
conjunction	-9834 Apr 16 j 08:27	12°♒24'50	-0°02'29
minimum elong	-9834 Apr 16 j 08:32	12°♒24'59	0°02'57
behind sun begin	-9834 Apr 15 j 13:14	11°♒53'58	
behind sun end	-9834 Apr 17 j 03:50	12°♒56'01	
asc. node	-9834 Apr 20 j 12:09	15°♒05'19	
	-9834 May 13 j 12:29	0°♓	
morning rise	-9834 Jun 01 j 19:38	12°♓39'03	
	-9834 Jun 27 j 21:41	0°♈	
	-9834 Aug 10 j 22:32	0°♉	
	-9834 Sep 22 j 18:24	0°♊	
	-9834 Nov 03 j 19:51	0°♋	
	-9834 Dec 15 j 22:19	0°♌	
	-9833 Jan 29 j 00:19	0°♍	
desc. node	-9833 Mar 20 j 08:30	28°♍12'04	
	-9833 Mar 24 j 15:36	0°♎	
retrograde	-9833 Apr 29 j 10:56	7°♎57'28	
min. Earth dist.	-9833 May 27 j 09:22	2°♎44'26	0.45486 AU
greatest brilliancy	-9833 Jun 03 j 02:38	0°♎28'32	-2.4m
opposition	-9833 Jun 04 j 11:06	0°♎00'55	-4°35'04
	-9833 Jun 04 j 12:11	30°℞♍	
direct	-9833 Jul 07 j 01:05	23°♍31'03	
	-9833 Aug 10 j 00:26	0°♎	
	-9833 Oct 11 j 18:09	0°♏	
	-9833 Dec 02 j 03:08	0°♐	
	-9832 Jan 20 j 08:24	0°♑	
asc. node	-9832 Mar 07 j 09:01	29°♑20'06	
	-9832 Mar 08 j 10:16	0°♒	
evening set	-9832 Apr 06 j 17:49	18°♒42'29	
	-9832 Apr 24 j 03:15	0°♓	
max. Earth dist.	-9832 May 02 j 15:30	5°♓35'13	2.60841 AU
conjunction	-9832 May 25 j 01:31	20°♓30'28	0°44'02
minimum elong	-9832 May 24 j 23:59	20°♓27'53	0°43'52
	-9832 Jun 08 j 01:47	0°♈	
morning rise	-9832 Jul 12 j 09:25	23°♈49'06	
	-9832 Jul 21 j 02:38	0°♉	
	-9832 Aug 31 j 10:26	0°♊	
	-9832 Oct 10 j 12:42	0°♋	
	-9832 Nov 19 j 01:43	0°♌	
	-9832 Dec 28 j 23:32	0°♍	
desc. node	-9831 Feb 04 j 06:28	26°♍57'34	
	-9831 Feb 08 j 15:05	0°♎	
	-9831 Mar 26 j 20:29	0°♏	
retrograde	-9831 Jun 14 j 01:47	29°♏18'15	
min. Earth dist.	-9831 Jul 17 j 05:20	21°♏58'03	0.57465 AU
greatest brilliancy	-9831 Jul 22 j 04:42	20°♏01'28	-1.7m
opposition	-9831 Jul 23 j 06:51	19°♏35'53	-5°27'40
direct	-9831 Aug 28 j 14:25	11°♏18'33	
	-9831 Nov 01 j 10:03	0°♐	
	-9831 Dec 28 j 05:36	0°♑	
asc. node	-9830 Jan 23 j 10:17	15°♑16'21	
	-9830 Feb 16 j 19:31	0°♒	
	-9830 Apr 05 j 09:30	0°♓	
evening set	-9830 May 18 j 22:11	28°♓58'47	
	-9830 May 20 j 09:58	0°♈	
max. Earth dist.	-9830 Jun 04 j 15:31	10°♈31'58	2.50965 AU
	-9830 Jul 02 j 01:32	0°♉	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

conjunction	-9830 Jul 09 j 14:41	5°♉28'22	1°12'15
minimum elong	-9830 Jul 09 j 14:06	5°♉27'18	1°12'32
	-9830 Aug 11 j 17:09	0°♊	
morning rise	-9830 Sep 02 j 10:40	16°♊30'13	
	-9830 Sep 19 j 23:42	0°♋	
	-9830 Oct 28 j 15:33	0°♌	
	-9830 Dec 06 j 13:19	0°♍	
desc. node	-9830 Dec 23 j 01:44	12°♍30'27	
	-9829 Jan 15 j 15:45	0°♎	
	-9829 Feb 27 j 01:35	0°♏	
	-9829 Apr 14 j 16:58	0°♐	
	-9829 Jun 12 j 22:25	0°♑	
retrograde	-9829 Jul 21 j 13:34	8°♑07'32	
	-9829 Aug 26 j 01:51	30°℞♐	
min. Earth dist.	-9829 Aug 28 j 02:53	29°♐10'52	0.64950 AU
opposition	-9829 Aug 30 j 12:25	28°♐12'51	-3°41'06
greatest brilliancy	-9829 Aug 30 j 05:57	28°♐19'23	-1.4m
direct	-9829 Oct 08 j 13:24	18°♐52'26	
	-9829 Nov 25 j 15:11	0°♑	
asc. node	-9829 Dec 11 j 15:09	6°♑53'33	
	-9828 Jan 25 j 05:46	0°♒	
	-9828 Mar 15 j 09:27	0°♓	
	-9828 Apr 30 j 04:53	0°♈	
	-9828 Jun 11 j 22:30	0°♉	
evening set	-9828 Jul 07 j 11:35	18°♉47'40	
	-9828 Jul 22 j 08:37	0°♊	
max. Earth dist.	-9828 Aug 08 j 22:34	13°♊26'45	2.39394 AU
	-9828 Aug 30 j 06:49	0°♋	
conjunction	-9828 Sep 04 j 09:43	3°♋59'52	0°46'16
minimum elong	-9828 Sep 04 j 12:50	4°♋05'57	0°46'48
	-9828 Oct 07 j 14:05	0°♌	
morning rise	-9828 Nov 07 j 23:20	24°♌27'19	
desc. node	-9828 Nov 08 j 18:41	25°♌04'43	
	-9828 Nov 15 j 03:52	0°♍	
	-9828 Dec 24 j 20:45	0°♎	
	-9827 Feb 04 j 11:14	0°♏	
	-9827 Mar 20 j 17:51	0°♐	
	-9827 May 07 j 23:28	0°♑	
	-9827 Jul 04 j 20:49	0°♒	
retrograde	-9827 Aug 24 j 16:07	12°♒32'57	
opposition	-9827 Oct 03 j 02:13	3°♒03'43	-1°00'30
greatest brilliancy	-9827 Oct 03 j 03:45	3°♒02'11	-1.4m
min. Earth dist.	-9827 Oct 04 j 10:18	2°♒31'33	0.66412 AU
	-9827 Oct 10 j 20:36	30°℞♑	
asc. node	-9827 Oct 28 j 20:37	24°♑36'38	
direct	-9827 Nov 12 j 16:28	23°♑09'55	
	-9827 Dec 18 j 21:19	0°♒	
	-9826 Feb 19 j 20:03	0°♓	
	-9826 Apr 09 j 08:47	0°♈	
	-9826 May 22 j 22:51	0°♉	
	-9826 Jul 02 j 14:31	0°♊	
	-9826 Aug 10 j 13:12	0°♋	
evening set	-9826 Sep 08 j 10:40	22°♋38'17	
	-9826 Sep 17 j 19:57	0°♌	
desc. node	-9826 Sep 26 j 13:47	6°♌50'46	
	-9826 Oct 26 j 09:51	0°♍	
conjunction	-9826 Nov 10 j 16:07	11°♍39'26	-0°32'50
minimum elong	-9826 Nov 10 j 13:31	11°♍34'30	0°32'33
	-9826 Dec 05 j 03:15	0°♎	
max. Earth dist.	-9826 Dec 26 j 00:27	15°♎16'30	2.45084 AU
morning rise	-9825 Jan 11 j 17:06	27°♎12'51	
	-9825 Jan 15 j 15:45	0°♏	
	-9825 Feb 28 j 09:31	0°♐	
	-9825 Apr 15 j 15:11	0°♑	
	-9825 Jun 04 j 01:13	0°♒	
	-9825 Jul 30 j 12:35	0°♓	
asc. node	-9825 Sep 15 j 22:39	16°♓12'31	
retrograde	-9825 Oct 01 j 08:08	17°♓35'18	
opposition	-9825 Nov 08 j 04:26	8°♓56'17	2°10'30
greatest brilliancy	-9825 Nov 08 j 12:27	8°♓48'30	-1.6m
min. Earth dist.	-9825 Nov 13 j 03:38	7°♓00'29	0.61743 AU
	-9825 Dec 06 j 20:29	30°℞♒	
direct	-9825 Dec 18 j 22:42	29°♒01'09	
	-9825 Dec 31 j 14:01	0°♓	
	-9824 Mar 13 j 07:49	0°♈	
	-9824 Apr 29 j 10:02	0°♉	
	-9824 Jun 10 j 07:44	0°♊	
	-9824 Jul 19 j 21:06	0°♋	
desc. node	-9824 Aug 13 j 14:27	19°♋08'44	
	-9824 Aug 27 j 14:02	0°♌	
	-9824 Oct 05 j 13:05	0°♍	
evening set	-9824 Nov 10 j 11:15	26°♍56'07	
	-9824 Nov 14 j 15:18	0°♎	
	-9824 Dec 26 j 11:01	0°♏	
conjunction	-9823 Jan 06 j 13:32	7°♏44'06	-1°12'34
minimum elong	-9823 Jan 06 j 12:53	7°♏42'59	1°12'53
max. Earth dist.	-9823 Feb 05 j 11:13	28°♏06'52	2.56835 AU
	-9823 Feb 08 j 06:45	0°♐	
morning rise	-9823 Mar 01 j 07:44	13°♐56'49	
	-9823 Mar 26 j 00:36	0°♑	
	-9823 May 12 j 11:07	0°♒	
	-9823 Jun 30 j 17:36	0°♓	
asc. node	-9823 Aug 02 j 19:53	19°♓07'29	
	-9823 Aug 22 j 20:47	0°♈	
retrograde	-9823 Nov 15 j 22:37	28°♈45'29	
opposition	-9823 Dec 20 j 23:35	21°♈30'30	5°28'46
greatest brilliancy	-9823 Dec 22 j 09:22	21°♈00'29	-2.0m
min. Earth dist.	-9823 Dec 28 j 22:09	18°♈42'07	0.51545 AU
direct	-9822 Jan 28 j 15:17	12°♈39'09	
	-9822 Mar 26 j 19:49	0°♉	
	-9822 May 14 j 23:14	0°♊	
	-9822 Jun 26 j 03:11	0°♋	
desc. node	-9822 Jul 01 j 17:36	4°♋07'48	
	-9822 Aug 05 j 08:49	0°♌	
	-9822 Sep 14 j 11:42	0°♍	
	-9822 Oct 25 j 13:07	0°♎	
	-9822 Dec 07 j 03:41	0°♏	
evening set	-9821 Jan 01 j 07:04	17°♏08'40	
	-9821 Jan 20 j 12:16	0°♐	
conjunction	-9821 Feb 21 j 10:45	20°♐58'08	-0°59'47
minimum elong	-9821 Feb 21 j 12:19	21°♐00'41	1°00'20
max. Earth dist.	-9821 Mar 05 j 16:16	28°♐53'39	2.64334 AU
	-9821 Mar 07 j 09:21	0°♑	
morning rise	-9821 Apr 11 j 03:04	22°♑16'33	
	-9821 Apr 23 j 06:08	0°♒	
	-9821 Jun 09 j 13:03	0°♓	
asc. node	-9821 Jun 20 j 12:58	6°♓57'25	
	-9821 Jul 27 j 02:02	0°♈	
	-9821 Sep 13 j 12:41	0°♉	
	-9821 Nov 04 j 14:02	0°♊	
retrograde	-9820 Jan 21 j 12:32	26°♊16'10	
opposition	-9820 Feb 21 j 15:54	20°♊56'38	5°47'26
greatest brilliancy	-9820 Feb 22 j 20:20	20°♊36'28	-2.7m
min. Earth dist.	-9820 Feb 26 j 16:33	19°♊31'29	0.40026 AU
direct	-9820 Mar 25 j 06:51	15°♊00'15	
	-9820 May 16 j 03:10	0°♋	
desc. node	-9820 May 18 j 21:37	1°♋24'09	
	-9820 Jul 05 j 20:11	0°♌	
	-9820 Aug 19 j 11:41	0°♍	
	-9820 Oct 02 j 07:31	0°♎	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9820 Nov 15 j 18:39	0°♏	
	-9820 Dec 31 j 08:27	0°♐	
evening set	-9819 Feb 12 j 01:39	27°♐32'54	
	-9819 Feb 15 j 21:31	0°♑	
max. Earth dist.	-9819 Mar 29 j 11:35	26°♑34'22	2.66575 AU
conjunction	-9819 Apr 01 j 08:32	28°♑24'33	-0°20'42
minimum elong	-9819 Apr 01 j 09:20	28°♑25'50	0°21'14
	-9819 Apr 03 j 20:14	0°♒	
asc. node	-9819 May 07 j 05:57	21°♒27'06	
morning rise	-9819 May 17 j 22:50	28°♒22'24	
	-9819 May 20 j 11:04	0°♓	
	-9819 Jul 05 j 05:12	0°♈	
	-9819 Aug 18 j 22:50	0°♉	
	-9819 Oct 01 j 21:07	0°♊	
	-9819 Nov 14 j 14:21	0°♋	
	-9819 Dec 29 j 12:47	0°♌	
	-9818 Feb 19 j 19:03	0°♍	
retrograde	-9818 Apr 06 j 06:20	12°♍05'41	
desc. node	-9818 Apr 06 j 01:19	12°♍05'40	
min. Earth dist.	-9818 May 03 j 09:27	7°♍27'34	0.41072 AU
greatest brilliancy	-9818 May 09 j 09:03	5°♍38'50	-2.7m
opposition	-9818 May 10 j 01:29	5°♍26'21	-2°27'59
	-9818 Jun 04 j 08:48	30°℞♌	
direct	-9818 Jun 10 j 00:28	29°♌47'23	
	-9818 Jun 15 j 17:56	0°♍	
	-9818 Sep 02 j 00:35	0°♎	
	-9818 Oct 23 j 02:23	0°♏	
	-9818 Dec 10 j 17:59	0°♐	
	-9817 Jan 27 j 20:31	0°♑	
	-9817 Mar 16 j 11:00	0°♒	
evening set	-9817 Mar 23 j 09:57	4°♒25'50	
asc. node	-9817 Mar 25 j 01:15	5°♒28'31	
max. Earth dist.	-9817 Apr 23 j 02:51	24°♒11'16	2.63454 AU
	-9817 May 02 j 00:54	0°♓	
conjunction	-9817 May 10 j 06:14	5°♓23'30	0°26'48
minimum elong	-9817 May 10 j 05:13	5°♓21'50	0°26'29
	-9817 Jun 16 j 02:19	0°♈	
morning rise	-9817 Jun 26 j 10:39	7°♈03'19	
	-9817 Jul 29 j 10:36	0°♉	
	-9817 Sep 09 j 05:29	0°♊	
	-9817 Oct 19 j 21:18	0°♋	
	-9817 Nov 29 j 02:05	0°♌	
	-9816 Jan 08 j 20:31	0°♍	
	-9816 Feb 21 j 03:42	0°♎	
desc. node	-9816 Feb 22 j 01:31	0°♎35'40	
	-9816 Apr 13 j 16:03	0°♏	
retrograde	-9816 May 28 j 13:22	11°♏36'53	
min. Earth dist.	-9816 Jun 28 j 15:18	5°♏04'57	0.53079 AU
opposition	-9816 Jul 05 j 22:08	2°♏20'07	-5°38'16
greatest brilliancy	-9816 Jul 04 j 12:51	2°♏51'37	-2.0m
	-9816 Jul 12 j 07:46	30°℞♎	
direct	-9816 Aug 09 j 20:41	24°♎38'55	
	-9816 Sep 09 j 22:28	0°♏	
	-9816 Nov 14 j 15:01	0°♐	
	-9815 Jan 06 j 01:47	0°♑	
asc. node	-9815 Feb 09 j 01:00	20°♑30'59	
	-9815 Feb 24 j 09:19	0°♒	
	-9815 Apr 12 j 12:46	0°♓	
evening set	-9815 May 01 j 20:11	12°♓42'24	
max. Earth dist.	-9815 May 21 j 07:12	25°♓47'13	2.55304 AU
	-9815 May 27 j 11:25	0°♈	
conjunction	-9815 Jun 20 j 18:59	16°♈52'49	1°05'22
minimum elong	-9815 Jun 20 j 17:30	16°♈50'11	1°05'29
	-9815 Jul 09 j 05:35	0°♉	

morning rise	-9815 Aug 11 j 09:20	24°♉15'06	
	-9815 Aug 19 j 02:15	0°♊	
	-9815 Sep 27 j 14:49	0°♋	
	-9815 Nov 05 j 12:53	0°♌	
	-9815 Dec 14 j 17:02	0°♍	
desc. node	-9814 Jan 08 j 20:31	18°♍48'45	
	-9814 Jan 24 j 04:03	0°♎	
	-9814 Mar 08 j 08:30	0°♏	
	-9814 Apr 26 j 14:15	0°♐	
retrograde	-9814 Jul 07 j 13:53	24°♐03'48	
min. Earth dist.	-9814 Aug 12 j 13:44	15°♐40'40	0.62720 AU
opposition	-9814 Aug 16 j 10:34	14°♐07'38	-4°31'29
greatest brilliancy	-9814 Aug 15 j 21:10	14°♐21'03	-1.5m
direct	-9814 Sep 23 j 13:32	5°♐07'52	
	-9814 Dec 10 j 18:23	0°♑	
asc. node	-9814 Dec 28 j 04:24	9°♑02'12	
	-9813 Feb 03 j 08:03	0°♒	
	-9813 Mar 24 j 04:02	0°♓	
	-9813 May 08 j 14:00	0°♈	
evening set	-9813 Jun 17 j 08:13	27°♈54'12	
	-9813 Jun 20 j 05:55	0°♉	
max. Earth dist.	-9813 Jul 05 j 03:02	10°♉52'00	2.43588 AU
	-9813 Jul 30 j 17:29	0°♊	
conjunction	-9813 Aug 12 j 01:04	9°♊22'37	1°05'20
minimum elong	-9813 Aug 12 j 03:11	9°♊26'40	1°05'51
	-9813 Sep 07 j 18:00	0°♋	
morning rise	-9813 Oct 12 j 07:36	27°♋00'24	
	-9813 Oct 16 j 03:29	0°♌	
	-9813 Nov 23 j 18:55	0°♍	
desc. node	-9813 Nov 26 j 15:10	2°♍10'56	
	-9812 Jan 02 j 13:21	0°♎	
	-9812 Feb 13 j 07:41	0°♏	
	-9812 Mar 29 j 02:37	0°♐	
	-9812 May 18 j 05:25	0°♑	
retrograde	-9812 Aug 11 j 00:39	29°♑32'57	
opposition	-9812 Sep 19 j 18:57	19°♑50'39	-2°06'51
greatest brilliancy	-9812 Sep 19 j 19:18	19°♑50'17	-1.4m
min. Earth dist.	-9812 Sep 19 j 16:01	19°♑53'36	0.66581 AU
direct	-9812 Oct 29 j 22:15	10°♑06'47	
asc. node	-9812 Nov 14 j 09:39	11°♑30'05	
	-9811 Jan 05 j 17:06	0°♒	
	-9811 Mar 01 j 10:56	0°♓	
	-9811 Apr 17 j 13:13	0°♈	
	-9811 May 30 j 16:49	0°♉	
	-9811 Jul 10 j 05:18	0°♊	
evening set	-9811 Aug 13 j 13:37	26°♊26'47	
	-9811 Aug 18 j 02:58	0°♋	
	-9811 Sep 25 j 09:02	0°♌	
desc. node	-9811 Oct 13 j 09:55	14°♌06'50	
conjunction	-9811 Oct 15 j 11:35	15°♌43'34	-0°01'36
minimum elong	-9811 Oct 15 j 11:27	15°♌43'18	0°01'08
behind sun begin	-9811 Oct 14 j 08:10	14°♌50'12	
behind sun end	-9811 Oct 16 j 14:43	16°♌36'22	
	-9811 Nov 02 j 21:47	0°♍	
max. Earth dist.	-9811 Nov 24 j 21:05	16°♍45'43	2.40327 AU
	-9811 Dec 12 j 13:29	0°♎	
morning rise	-9811 Dec 19 j 07:20	4°♎58'46	
	-9810 Jan 23 j 00:52	0°♏	
	-9810 Mar 07 j 20:23	0°♐	
	-9810 Apr 23 j 13:07	0°♑	
	-9810 Jun 13 j 15:57	0°♒	
	-9810 Aug 20 j 20:55	0°♓	
retrograde	-9810 Sep 16 j 02:03	3°♓47'25	
asc. node	-9810 Oct 02 j 13:12	2°♓00'23	
	-9810 Oct 10 j 04:41	30°℞♒	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

opposition	-9810 Oct 24 j 16:22	24°♒45'37	0°53'39
greatest brilliancy	-9810 Oct 24 j 18:39	24°♒43'21	-1.5m
min. Earth dist.	-9810 Oct 28 j 06:04	23°♒20'59	0.64280 AU
direct	-9810 Dec 04 j 13:53	14°♒46'06	
	-9809 Jan 29 j 23:33	0°♓	
	-9809 Mar 25 j 08:36	0°♈	
	-9809 May 09 j 11:12	0°♉	
	-9809 Jun 19 j 16:51	0°♊	
	-9809 Jul 28 j 22:19	0°♋	
desc. node	-9809 Aug 31 j 07:22	26°♋01'15	
	-9809 Sep 05 j 09:45	0°♌	
	-9809 Oct 14 j 03:51	0°♍	
evening set	-9809 Oct 18 j 16:07	3°♍26'50	
	-9809 Nov 23 j 01:10	0°♎	
conjunction	-9809 Dec 17 j 16:35	17°♎55'32	-1°04'45
minimum elong	-9809 Dec 17 j 14:23	17°♎51'34	1°04'51
	-9808 Jan 03 j 16:36	0°♏	
max. Earth dist.	-9808 Jan 23 j 22:08	14°♏04'00	2.52595 AU
morning rise	-9808 Feb 12 j 10:27	27°♏20'12	
	-9808 Feb 16 j 09:40	0°♐	
	-9808 Apr 02 j 05:19	0°♑	
	-9808 May 20 j 03:35	0°♒	
	-9808 Jul 10 j 00:20	0°♓	
asc. node	-9808 Aug 19 j 12:32	21°♓21'05	
	-9808 Sep 07 j 21:32	0°♈	
retrograde	-9808 Oct 27 j 03:50	11°♈41'43	
opposition	-9808 Dec 02 j 11:13	3°♈48'25	4°14'54
greatest brilliancy	-9808 Dec 03 j 09:51	3°♈27'20	-1.8m
min. Earth dist.	-9808 Dec 09 j 10:43	1°♈12'52	0.56092 AU
	-9808 Dec 12 j 20:19	30°♓℞	
direct	-9807 Jan 11 j 07:56	24°♓20'05	
	-9807 Feb 11 j 09:36	0°♈	
	-9807 Apr 11 j 17:06	0°♉	
	-9807 May 26 j 03:51	0°♊	
	-9807 Jul 05 j 19:28	0°♋	
desc. node	-9807 Jul 18 j 09:07	9°♋31'28	
	-9807 Aug 14 j 04:58	0°♌	
	-9807 Sep 22 j 17:12	0°♍	
	-9807 Nov 02 j 06:40	0°♎	
evening set	-9807 Dec 13 j 13:06	29°♎20'33	
	-9807 Dec 14 j 11:47	0°♏	
	-9806 Jan 27 j 13:36	0°♐	
conjunction	-9806 Feb 04 j 15:11	5°♐21'40	-1°09'08
minimum elong	-9806 Feb 04 j 16:20	5°♐23'34	1°09'38
max. Earth dist.	-9806 Feb 23 j 09:28	17°♐42'18	2.62013 AU
	-9806 Mar 14 j 07:49	0°♑	
morning rise	-9806 Mar 26 j 21:31	8°♑05'29	
	-9806 Apr 30 j 07:23	0°♒	
	-9806 Jun 17 j 03:05	0°♓	
asc. node	-9806 Jul 07 j 07:39	12°♓29'57	
	-9806 Aug 05 j 00:40	0°♈	
	-9806 Sep 26 j 00:43	0°♉	
	-9806 Dec 09 j 15:00	0°♊	
retrograde	-9806 Dec 23 j 14:26	1°♊09'00	
	-9805 Jan 06 j 02:06	30°♉℞	
opposition	-9805 Jan 25 j 02:32	25°♉06'42	6°33'54
greatest brilliancy	-9805 Jan 26 j 20:49	24°♉33'31	-2.4m
min. Earth dist.	-9805 Feb 01 j 18:52	22°♉42'45	0.44014 AU
direct	-9805 Mar 01 j 14:10	17°♉52'53	
	-9805 Apr 16 j 03:51	0°♊	
desc. node	-9805 Jun 05 j 13:48	29°♊22'18	
	-9805 Jun 06 j 12:36	0°♋	
	-9805 Jul 19 j 21:56	0°♌	
	-9805 Aug 30 j 20:37	0°♍	
	-9805 Oct 12 j 04:05	0°♎	
	-9805 Nov 24 j 16:17	0°♏	
	-9804 Jan 08 j 15:27	0°♐	
evening set	-9804 Jan 28 j 03:19	12°♐44'13	
	-9804 Feb 23 j 20:25	0°♑	
conjunction	-9804 Mar 17 j 05:02	14°♑20'22	-0°37'41
minimum elong	-9804 Mar 17 j 06:22	14°♑22'30	0°38'15
max. Earth dist.	-9804 Mar 20 j 02:10	16°♑10'58	2.66350 AU
	-9804 Apr 10 j 16:51	0°♒	
morning rise	-9804 May 03 j 07:12	14°♒27'36	
asc. node	-9804 May 24 j 00:22	27°♒45'35	
	-9804 May 27 j 11:52	0°♓	
	-9804 Jul 12 j 18:23	0°♈	
	-9804 Aug 27 j 11:37	0°♉	
	-9804 Oct 12 j 03:11	0°♊	
	-9804 Nov 28 j 00:56	0°♋	
	-9803 Jan 20 j 20:24	0°♌	
retrograde	-9803 Mar 09 j 23:50	12°♌46'42	
min. Earth dist.	-9803 Apr 07 j 20:06	8°♌01'14	0.38450 AU
opposition	-9803 Apr 10 j 12:30	7°♌16'59	0°58'11
greatest brilliancy	-9803 Apr 10 j 11:28	7°♌17'42	-2.9m
desc. node	-9803 Apr 22 j 17:21	4°♌12'15	
direct	-9803 May 10 j 19:41	2°♌10'17	
	-9803 Jul 27 j 18:00	0°♍	
	-9803 Sep 15 j 13:20	0°♎	
	-9803 Nov 01 j 17:54	0°♏	
	-9803 Dec 18 j 18:47	0°♐	
	-9802 Feb 04 j 02:46	0°♑	
evening set	-9802 Mar 08 j 05:45	20°♑21'35	
	-9802 Mar 23 j 09:14	0°♒	
asc. node	-9802 Apr 10 j 18:36	11°♒46'29	
max. Earth dist.	-9802 Apr 13 j 08:17	13°♒25'38	2.65323 AU
conjunction	-9802 Apr 24 j 23:09	20°♒55'26	0°08'22
minimum elong	-9802 Apr 24 j 22:51	20°♒54'56	0°07'57
behind sun begin	-9802 Apr 24 j 05:38	20°♒27'06	
behind sun end	-9802 Apr 25 j 16:04	21°♒22'47	
	-9802 May 08 j 22:20	0°♓	
morning rise	-9802 Jun 10 j 13:04	21°♓30'46	
	-9802 Jun 23 j 04:53	0°♈	
	-9802 Aug 05 j 23:27	0°♉	
	-9802 Sep 17 j 09:22	0°♊	
	-9802 Oct 28 j 20:16	0°♋	
	-9802 Dec 09 j 01:26	0°♌	
	-9801 Jan 20 j 09:49	0°♍	
	-9801 Mar 08 j 18:51	0°♎	
desc. node	-9801 Mar 10 j 19:25	1°♎07'31	
retrograde	-9801 May 11 j 03:28	21°♎22'51	
min. Earth dist.	-9801 Jun 09 j 02:51	15°♎42'14	0.48212 AU
greatest brilliancy	-9801 Jun 15 j 16:20	13°♎22'43	-2.2m
opposition	-9801 Jun 17 j 03:57	12°♎50'53	-5°13'46
direct	-9801 Jul 20 j 14:26	5°♎53'24	
	-9801 Oct 02 j 23:19	0°♏	
	-9801 Nov 26 j 01:48	0°♐	
	-9800 Jan 15 j 05:00	0°♑	
asc. node	-9800 Feb 26 j 15:57	26°♑13'49	
	-9800 Mar 03 j 16:09	0°♒	
evening set	-9800 Apr 15 j 17:12	27°♒30'59	
	-9800 Apr 19 j 12:39	0°♓	
max. Earth dist.	-9800 May 09 j 03:08	12°♓55'03	2.59076 AU
conjunction	-9800 Jun 03 j 11:07	29°♓59'13	0°52'54
minimum elong	-9800 Jun 03 j 09:26	29°♓56'22	0°52'49
	-9800 Jun 03 j 11:34	0°♈	
	-9800 Jul 16 j 10:19	0°♉	
morning rise	-9800 Jul 22 j 17:01	4°♉29'57	
	-9800 Aug 26 j 14:23	0°♊	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9800 Oct 05 j 11:31	0°♋		
	-9800 Nov 13 j 18:29	0°♌		
	-9800 Dec 23 j 08:19	0°♍		
desc. node	-9799 Jan 25 j 17:57	24°♍32'27		
	-9799 Feb 02 j 09:38	0°♎		
	-9799 Mar 19 j 00:36	0°♏		
	-9799 May 14 j 04:43	0°♐		
retrograde	-9799 Jun 22 j 22:10	8°♐59'09		
min. Earth dist.	-9799 Jul 27 j 03:11	1°♐15'19	0.59555 AU	
	-9799 Jul 30 j 07:28	30°℞♏		
opposition	-9799 Aug 01 j 11:00	29°♏08'58	-5°11'34	
greatest brilliancy	-9799 Jul 31 j 13:25	29°♏30'19	-1.7m	
direct	-9799 Sep 07 j 11:27	20°♏34'58		
	-9799 Oct 20 j 18:06	0°♐		
	-9799 Dec 21 j 22:04	0°♑		
asc. node	-9798 Jan 13 j 17:43	12°♑53'38		
	-9798 Feb 11 j 14:55	0°♒		
	-9798 Mar 31 j 14:34	0°♓		
	-9798 May 15 j 18:37	0°♈		
evening set	-9798 May 29 j 04:45	9°♈15'43		
max. Earth dist.	-9798 Jun 14 j 02:42	20°♈27'13	2.48372 AU	
	-9798 Jun 27 j 10:32	0°♉		
conjunction	-9798 Jul 21 j 02:42	17°♉20'06	1°12'38	
minimum elong	-9798 Jul 21 j 02:59	17°♉20'37	1°13'00	
	-9798 Aug 07 j 00:58	0°♊		
	-9798 Sep 15 j 05:19	0°♋		
morning rise	-9798 Sep 16 j 02:49	0°♋41'39		
	-9798 Oct 23 j 18:40	0°♌		
	-9798 Dec 01 j 13:41	0°♍		
desc. node	-9798 Dec 13 j 11:31	9°♍04'18		
	-9797 Jan 10 j 12:01	0°♎		
	-9797 Feb 21 j 13:57	0°♏		
	-9797 Apr 08 j 06:44	0°♐		
	-9797 Jun 01 j 06:26	0°♑		
retrograde	-9797 Jul 29 j 10:36	16°♑19'40		
min. Earth dist.	-9797 Sep 05 j 18:53	7°♑06'53	0.65782 AU	
opposition	-9797 Sep 07 j 09:14	6°♑28'13	-3°08'15	
greatest brilliancy	-9797 Sep 07 j 05:48	6°♑31'40	-1.4m	
	-9797 Sep 25 j 10:23	30°℞♐		
direct	-9797 Oct 16 j 21:12	26°♐58'26		
	-9797 Nov 09 j 04:33	0°♑		
asc. node	-9797 Dec 01 j 22:58	7°♑19'03		
	-9796 Jan 18 j 16:22	0°♒		
	-9796 Mar 10 j 02:15	0°♓		
	-9796 Apr 25 j 07:53	0°♈		
	-9796 Jun 07 j 05:10	0°♉		
	-9796 Jul 17 j 16:22	0°♊		
evening set	-9796 Jul 20 j 07:23	1°♊59'41		
	-9796 Aug 25 j 14:13	0°♋		
max. Earth dist.	-9796 Sep 14 j 13:20	15°♋37'53	2.38160 AU	
conjunction	-9796 Sep 18 j 22:52	19°♋05'03	0°30'42	
minimum elong	-9796 Sep 19 j 01:28	19°♋10'08	0°31'13	
	-9796 Oct 02 j 20:39	0°♌		
desc. node	-9796 Oct 30 j 04:56	21°♌21'06		
	-9796 Nov 10 j 09:26	0°♍		
morning rise	-9796 Nov 23 j 09:40	9°♍58'08		
	-9796 Dec 20 j 00:54	0°♎		
	-9795 Jan 30 j 13:01	0°♏		
	-9795 Mar 15 j 13:31	0°♐		
	-9795 May 02 j 01:00	0°♑		
	-9795 Jun 25 j 07:23	0°♒		
retrograde	-9795 Sep 01 j 16:46	20°♒30'08		
opposition	-9795 Oct 10 j 21:04	11°♒09'39	-0°19'42	
greatest brilliancy	-9795 Oct 10 j 21:53	11°♒08'50	-1.4m	
min. Earth dist.	-9795 Oct 13 j 00:13	10°♒18'36	0.65907 AU	
asc. node	-9795 Oct 19 j 03:58	7°♒54'36		
direct	-9795 Nov 20 j 15:35	1°♒12'32		
	-9794 Feb 12 j 18:39	0°♓		
	-9794 Apr 03 j 18:59	0°♈		
	-9794 May 17 j 20:20	0°♉		
	-9794 Jun 27 j 16:55	0°♊		
	-9794 Aug 05 j 17:51	0°♋		
	-9794 Sep 13 j 01:53	0°♌		
desc. node	-9794 Sep 17 j 01:40	3°♌07'21		
evening set	-9794 Sep 23 j 03:59	7°♌53'13		
	-9794 Oct 21 j 16:36	0°♍		
conjunction	-9794 Nov 24 j 15:31	25°♍42'25	-0°47'11	
minimum elong	-9794 Nov 24 j 12:31	25°♍36'50	0°47'02	
	-9794 Nov 30 j 10:18	0°♎		
max. Earth dist.	-9793 Jan 07 j 05:47	27°♎23'06	2.47819 AU	
	-9793 Jan 10 j 22:37	0°♏		
morning rise	-9793 Jan 23 j 19:32	9°♏00'21		
	-9793 Feb 23 j 14:41	0°♐		
	-9793 Apr 10 j 14:55	0°♑		
	-9793 May 29 j 07:52	0°♒		
	-9793 Jul 21 j 22:37	0°♓		
asc. node	-9793 Sep 06 j 05:17	20°♓05'47		
retrograde	-9793 Oct 10 j 15:21	26°♓18'32		
opposition	-9793 Nov 16 j 23:57	17°♓54'12	2°55'59	
greatest brilliancy	-9793 Nov 17 j 12:33	17°♓42'07	-1.6m	
min. Earth dist.	-9793 Nov 22 j 17:19	15°♓42'31	0.59940 AU	
direct	-9793 Dec 27 j 13:07	8°♓05'30		
	-9792 Mar 04 j 19:59	0°♈		
	-9792 Apr 23 j 03:52	0°♉		
	-9792 Jun 04 j 17:58	0°♊		
	-9792 Jul 14 j 14:55	0°♋		
desc. node	-9792 Aug 04 j 01:33	15°♋43'56		
	-9792 Aug 22 j 12:41	0°♌		
	-9792 Sep 30 j 15:31	0°♍		
	-9792 Nov 09 j 20:34	0°♎		
evening set	-9792 Nov 23 j 00:30	9°♎34'04		
	-9792 Dec 21 j 18:28	0°♏		
conjunction	-9791 Jan 17 j 13:18	18°♏28'40	-1°13'14	
minimum elong	-9791 Jan 17 j 13:27	18°♏28'55	1°13'37	
	-9791 Feb 03 j 15:06	0°♐		
max. Earth dist.	-9791 Feb 12 j 10:17	5°♐51'54	2.58882 AU	
morning rise	-9791 Mar 10 j 21:47	23°♐15'13		
	-9791 Mar 21 j 07:55	0°♑		
	-9791 May 07 j 12:57	0°♒		
	-9791 Jun 25 j 03:51	0°♓		
asc. node	-9791 Jul 24 j 01:49	17°♓15'26		
	-9791 Aug 15 j 06:20	0°♈		
	-9791 Oct 15 j 02:17	0°♉		
retrograde	-9791 Nov 28 j 11:28	9°♉51'53		
opposition	-9790 Jan 01 j 16:27	3°♉01'30	6°03'11	
greatest brilliancy	-9790 Jan 03 j 07:48	2°♉27'50	-2.2m	
min. Earth dist.	-9790 Jan 09 j 22:15	0°♉13'12	0.48839 AU	
	-9790 Jan 10 j 14:16	30°℞♈		
direct	-9790 Feb 08 j 10:25	24°♈39'09		
	-9790 Mar 09 j 18:27	0°♉		
	-9790 May 06 j 16:05	0°♊		
	-9790 Jun 19 j 11:18	0°♋		
desc. node	-9790 Jun 22 j 04:43	1°♋57'42		
	-9790 Jul 30 j 10:40	0°♌		
	-9790 Sep 09 j 00:57	0°♍		
	-9790 Oct 20 j 10:23	0°♎		
	-9790 Dec 02 j 06:55	0°♏		
evening set	-9789 Jan 11 j 09:35	27°♏04'33		
	-9789 Jan 15 j 19:24	0°♐		

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

conjunction	-9789 Mar 02 j 16:12	29°♐56'21	-0°52'32
minimum elong	-9789 Mar 02 j 17:47	29°♐58'56	0°53'05
	-9789 Mar 02 j 18:27	0°♑	
max. Earth dist.	-9789 Mar 11 j 10:00	5°♑34'14	2.65291 AU
	-9789 Apr 18 j 14:16	0°♒	
morning rise	-9789 Apr 19 j 15:49	0°♒40'43	
	-9789 Jun 04 j 16:01	0°♓	
asc. node	-9789 Jun 10 j 18:50	3°♓54'05	
	-9789 Jul 21 j 16:07	0°♈	
	-9789 Sep 06 j 21:23	0°♉	
	-9789 Oct 25 j 16:10	0°♊	
	-9789 Dec 20 j 21:07	0°♋	
retrograde	-9788 Feb 08 j 02:17	12°♋32'08	
opposition	-9788 Mar 09 j 19:01	7°♋24'33	4°29'44
greatest brilliancy	-9788 Mar 10 j 09:51	7°♋14'33	-2.9m
min. Earth dist.	-9788 Mar 12 j 10:10	6°♋42'01	0.38668 AU
direct	-9788 Apr 10 j 00:29	2°♋01'16	
desc. node	-9788 May 09 j 10:37	7°♋18'48	
	-9788 Jun 25 j 08:41	0°♌	
	-9788 Aug 12 j 02:57	0°♍	
	-9788 Sep 26 j 06:26	0°♎	
	-9788 Nov 10 j 10:36	0°♏	
	-9788 Dec 26 j 10:09	0°♐	
	-9787 Feb 11 j 04:49	0°♑	
evening set	-9787 Feb 21 j 00:07	6°♑15'11	
	-9787 Mar 30 j 05:43	0°♒	
max. Earth dist.	-9787 Apr 03 j 23:39	3°♒02'08	2.66363 AU
conjunction	-9787 Apr 09 j 23:43	6°♒52'48	-0°10'13
minimum elong	-9787 Apr 10 j 00:08	6°♒53'28	0°10'43
behind sun begin	-9787 Apr 09 j 09:30	6°♒30'03	
behind sun end	-9787 Apr 10 j 14:45	7°♒16'53	
asc. node	-9787 Apr 27 j 11:18	18°♒07'09	
	-9787 May 15 j 19:44	0°♓	
morning rise	-9787 May 26 j 10:50	6°♓55'46	
	-9787 Jun 30 j 09:22	0°♈	
	-9787 Aug 13 j 17:40	0°♉	
	-9787 Sep 26 j 00:44	0°♊	
	-9787 Nov 07 j 17:25	0°♋	
	-9787 Dec 20 j 19:12	0°♌	
	-9786 Feb 04 j 23:26	0°♍	
desc. node	-9786 Mar 27 j 13:30	24°♍00'21	
retrograde	-9786 Apr 19 j 21:31	27°♍35'22	
min. Earth dist.	-9786 May 17 j 05:44	22°♍40'57	0.43377 AU
opposition	-9786 May 24 j 22:35	20°♍11'57	-3°50'41
greatest brilliancy	-9786 May 23 j 19:25	20°♍34'00	-2.5m
direct	-9786 Jun 25 j 19:11	14°♍05'15	
	-9786 Aug 21 j 12:15	0°♎	
	-9786 Oct 16 j 04:49	0°♏	
	-9786 Dec 05 j 04:57	0°♐	
	-9785 Jan 22 j 21:34	0°♑	
	-9785 Mar 11 j 18:26	0°♒	
asc. node	-9785 Mar 15 j 07:14	2°♒14'23	
evening set	-9785 Apr 01 j 04:49	13°♒01'08	
	-9785 Apr 27 j 10:41	0°♓	
max. Earth dist.	-9785 Apr 29 j 03:06	1°♓06'05	2.62111 AU
conjunction	-9785 May 19 j 05:47	14°♓22'13	0°36'59
minimum elong	-9785 May 19 j 04:27	14°♓19'59	0°36'44
	-9785 Jun 11 j 11:28	0°♈	
morning rise	-9785 Jul 05 j 23:07	16°♈50'55	
	-9785 Jul 24 j 16:21	0°♉	
	-9785 Sep 04 j 05:38	0°♊	
	-9785 Oct 14 j 13:53	0°♋	
	-9785 Nov 23 j 09:11	0°♌	
	-9784 Jan 02 j 14:19	0°♍	
desc. node	-9784 Feb 12 j 11:59	29°♍08'41	
	-9784 Feb 13 j 18:01	0°♎	
	-9784 Apr 01 j 14:55	0°♏	
retrograde	-9784 Jun 07 j 04:40	22°♏23'39	
min. Earth dist.	-9784 Jul 09 j 10:37	15°♏24'42	0.55584 AU
greatest brilliancy	-9784 Jul 14 j 20:50	13°♏19'17	-1.8m
opposition	-9784 Jul 16 j 02:33	12°♏50'37	-5°35'40
direct	-9784 Aug 20 j 20:00	4°♏48'36	
	-9784 Nov 06 j 17:29	0°♐	
	-9784 Dec 31 j 09:01	0°♑	
asc. node	-9783 Jan 30 j 07:50	17°♑45'13	
	-9783 Feb 19 j 09:26	0°♒	
	-9783 Apr 07 j 19:35	0°♓	
evening set	-9783 May 11 j 11:44	22°♓16'44	
	-9783 May 22 j 20:33	0°♈	
max. Earth dist.	-9783 May 29 j 04:31	4°♈20'54	2.52984 AU
conjunction	-9783 Jul 01 j 07:15	27°♈37'54	1°10'08
minimum elong	-9783 Jul 01 j 06:10	27°♈35'58	1°10'22
	-9783 Jul 04 j 14:22	0°♉	
	-9783 Aug 14 j 09:12	0°♊	
morning rise	-9783 Aug 23 j 13:15	6°♊54'26	
	-9783 Sep 22 j 18:51	0°♋	
	-9783 Oct 31 j 13:18	0°♌	
	-9783 Dec 09 j 13:14	0°♍	
desc. node	-9783 Dec 30 j 07:37	15°♍39'50	
	-9782 Jan 18 j 17:48	0°♎	
	-9782 Mar 02 j 08:41	0°♏	
	-9782 Apr 18 j 17:50	0°♐	
	-9782 Jun 24 j 17:56	0°♑	
retrograde	-9782 Jul 15 j 16:30	2°♑40'05	
	-9782 Aug 04 j 08:39	30°℞♐	
min. Earth dist.	-9782 Aug 21 j 13:49	23°♐58'02	0.64068 AU
opposition	-9782 Aug 24 j 15:33	22°♐43'54	-4°03'19
greatest brilliancy	-9782 Aug 24 j 06:13	22°♐53'17	-1.5m
direct	-9782 Oct 02 j 07:52	13°♐32'07	
	-9782 Dec 01 j 22:11	0°♑	
asc. node	-9782 Dec 18 j 12:12	7°♑52'03	
	-9781 Jan 28 j 12:08	0°♒	
	-9781 Mar 19 j 02:31	0°♓	
	-9781 May 03 j 19:09	0°♈	
	-9781 Jun 15 j 13:09	0°♉	
evening set	-9781 Jun 29 j 02:45	9°♉53'26	
max. Earth dist.	-9781 Jul 22 j 07:54	27°♉11'40	2.41100 AU
	-9781 Jul 26 j 00:58	0°♊	
conjunction	-9781 Aug 25 j 13:41	23°♊25'28	0°55'57
minimum elong	-9781 Aug 25 j 16:35	23°♊31'05	0°56'29
	-9781 Sep 03 j 00:44	0°♋	
	-9781 Oct 11 j 09:00	0°♌	
morning rise	-9781 Oct 27 j 21:20	12°♌54'01	
desc. node	-9781 Nov 17 j 00:52	28°♌31'01	
	-9781 Nov 18 j 23:07	0°♍	
	-9781 Dec 28 j 15:37	0°♎	
	-9780 Feb 08 j 06:04	0°♏	
	-9780 Mar 23 j 15:23	0°♐	
	-9780 May 11 j 10:19	0°♑	
	-9780 Jul 12 j 06:32	0°♒	
retrograde	-9780 Aug 18 j 20:20	7°♒27'27	
	-9780 Sep 22 j 02:10	30°℞♑	
opposition	-9780 Sep 27 j 11:02	27°♑51'49	-1°28'48
greatest brilliancy	-9780 Sep 27 j 12:21	27°♑50'29	-1.4m
min. Earth dist.	-9780 Sep 28 j 03:13	27°♑35'33	0.66607 AU
asc. node	-9780 Nov 04 j 17:58	18°♑03'44	
direct	-9780 Nov 06 j 21:36	18°♑01'59	
	-9780 Dec 26 j 19:08	0°♒	
	-9779 Feb 23 j 09:55	0°♓	
	-9779 Apr 12 j 08:19	0°♈	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9779 May 25 j 18:49	0°♉	
	-9779 Jul 05 j 10:01	0°♊	
	-9779 Aug 13 j 08:35	0°♋	
evening set	-9779 Aug 28 j 02:29	11°♋32'28	
	-9779 Sep 20 j 14:51	0°♌	
desc. node	-9779 Oct 03 j 19:11	10°♌19'09	
	-9779 Oct 29 j 03:44	0°♍	
conjunction	-9779 Oct 30 j 11:38	1°♍01'21	-0°20'02
minimum elong	-9779 Oct 30 j 09:52	0°♍57'58	0°19'39
	-9779 Dec 07 j 19:22	0°♎	
max. Earth dist.	-9779 Dec 14 j 13:02	4°♎58'38	2.42869 AU
morning rise	-9778 Jan 01 j 22:29	18°♎22'07	
	-9778 Jan 18 j 06:02	0°♏	
	-9778 Mar 02 j 22:59	0°♐	
	-9778 Apr 18 j 07:15	0°♑	
	-9778 Jun 07 j 06:00	0°♒	
	-9778 Aug 05 j 14:30	0°♓	
asc. node	-9778 Sep 22 j 20:38	12°♓01'17	
retrograde	-9778 Sep 24 j 16:27	12°♓02'32	
opposition	-9778 Nov 01 j 21:50	3°♓12'38	1°37'39
greatest brilliancy	-9778 Nov 02 j 02:59	3°♓07'35	-1.5m
min. Earth dist.	-9778 Nov 06 j 06:07	1°♓30'34	0.63001 AU
	-9778 Nov 10 j 04:55	30°℞♒	
direct	-9778 Dec 12 j 18:55	23°♒14'41	
	-9777 Jan 17 j 00:58	0°♓	
	-9777 Mar 18 j 16:43	0°♈	
	-9777 May 03 j 21:13	0°♉	
	-9777 Jun 14 j 12:24	0°♊	
	-9777 Jul 23 j 22:24	0°♋	
desc. node	-9777 Aug 21 j 19:11	22°♋25'46	
	-9777 Aug 31 j 12:29	0°♌	
	-9777 Oct 09 j 08:34	0°♍	
evening set	-9777 Nov 01 j 10:20	17°♍27'52	
	-9777 Nov 18 j 07:21	0°♎	
conjunction	-9777 Dec 29 j 20:35	29°♎54'26	-1°10'18
minimum elong	-9777 Dec 29 j 19:15	29°♎52'05	1°10'32
	-9777 Dec 29 j 23:46	0°♏	
max. Earth dist.	-9776 Feb 01 j 04:30	22°♏54'33	2.55022 AU
	-9776 Feb 11 j 16:57	0°♐	
morning rise	-9776 Feb 22 j 21:09	7°♐27'08	
	-9776 Mar 28 j 10:14	0°♑	
	-9776 May 15 j 00:15	0°♒	
	-9776 Jul 03 j 20:03	0°♓	
asc. node	-9776 Aug 09 j 18:41	20°♓41'28	
	-9776 Aug 27 j 23:46	0°♈	
retrograde	-9776 Nov 07 j 01:36	21°♈35'24	
opposition	-9776 Dec 12 j 17:29	14°♈02'19	4°57'58
greatest brilliancy	-9776 Dec 13 j 22:26	13°♈36'00	-1.9m
min. Earth dist.	-9776 Dec 20 j 07:35	11°♈17'30	0.53660 AU
direct	-9775 Jan 21 j 00:34	4°♈52'07	
	-9775 Apr 02 j 22:51	0°♉	
	-9775 May 19 j 13:25	0°♊	
	-9775 Jun 29 j 23:35	0°♋	
desc. node	-9775 Jul 08 j 21:55	6°♋40'47	
	-9775 Aug 08 j 19:02	0°♌	
	-9775 Sep 17 j 14:13	0°♍	
	-9775 Oct 28 j 08:50	0°♎	
	-9775 Dec 09 j 17:39	0°♏	
evening set	-9775 Dec 24 j 10:39	10°♏07'29	
	-9774 Jan 22 j 21:51	0°♐	
conjunction	-9774 Feb 14 j 10:01	14°♐51'41	-1°04'14
minimum elong	-9774 Feb 14 j 11:28	14°♐54'05	1°04'46
max. Earth dist.	-9774 Mar 01 j 12:14	24°♐42'07	2.63394 AU
	-9774 Mar 09 j 16:38	0°♑	
morning rise	-9774 Apr 04 j 17:59	16°♑44'09	
	-9774 Apr 25 j 13:53	0°♒	
	-9774 Jun 12 j 01:46	0°♓	
asc. node	-9774 Jun 27 j 12:29	9°♓41'39	
	-9774 Jul 30 j 03:12	0°♈	
	-9774 Sep 17 j 19:24	0°♉	
	-9774 Nov 13 j 02:57	0°♊	
retrograde	-9773 Jan 08 j 10:27	15°♊13'29	
opposition	-9773 Feb 09 j 03:00	9°♊36'46	6°19'59
greatest brilliancy	-9773 Feb 10 j 15:50	9°♊09'23	-2.6m
min. Earth dist.	-9773 Feb 15 j 15:06	7°♊41'29	0.41622 AU
direct	-9773 Mar 15 j 00:39	3°♊06'32	
desc. node	-9773 May 27 j 01:47	29°♊59'03	
	-9773 May 27 j 02:25	0°♋	
	-9773 Jul 12 j 10:09	0°♌	
	-9773 Aug 24 j 14:43	0°♍	
	-9773 Oct 06 j 15:33	0°♎	
	-9773 Nov 19 j 14:30	0°♏	
	-9772 Jan 03 j 20:25	0°♐	
evening set	-9772 Feb 06 j 08:56	21°♐44'50	
	-9772 Feb 19 j 05:01	0°♑	
conjunction	-9772 Mar 25 j 23:05	22°♑52'53	-0°28'01
minimum elong	-9772 Mar 26 j 00:08	22°♑54'34	0°28'33
max. Earth dist.	-9772 Mar 25 j 15:26	22°♑40'39	2.66577 AU
	-9772 Apr 06 j 02:16	0°♒	
morning rise	-9772 May 11 j 17:25	22°♒51'24	
asc. node	-9772 May 14 j 05:22	24°♒27'57	
	-9772 May 22 j 19:05	0°♓	
	-9772 Jul 07 j 18:47	0°♈	
	-9772 Aug 21 j 22:27	0°♉	
	-9772 Oct 05 j 13:04	0°♊	
	-9772 Nov 19 j 09:01	0°♋	
	-9771 Jan 05 j 16:15	0°♌	
	-9771 Mar 24 j 18:12	0°♍	
retrograde	-9771 Mar 25 j 21:41	0°♍00'32	
	-9771 Mar 27 j 01:11	30°℞♌	
desc. node	-9771 Apr 13 j 05:59	27°♌49'25	
min. Earth dist.	-9771 Apr 22 j 09:32	25°♌26'22	0.39585 AU
opposition	-9771 Apr 27 j 14:44	23°♌56'11	-1°06'08
greatest brilliancy	-9771 Apr 27 j 08:27	24°♌00'43	-2.8m
direct	-9771 May 28 j 01:06	18°♌36'04	
	-9771 Jul 13 j 03:53	0°♍	
	-9771 Sep 07 j 16:44	0°♎	
	-9771 Oct 26 j 17:10	0°♏	
	-9771 Dec 13 j 13:30	0°♐	
	-9770 Jan 30 j 07:03	0°♑	
evening set	-9770 Mar 16 j 23:07	28°♑52'02	
	-9770 Mar 18 j 17:51	0°♒	
asc. node	-9770 Apr 01 j 00:04	8°♒27'48	
max. Earth dist.	-9770 Apr 19 j 00:57	20°♒04'06	2.64386 AU
conjunction	-9770 May 03 j 16:59	29°♒35'41	0°19'07
minimum elong	-9770 May 03 j 16:16	29°♒34'30	0°18'45
	-9770 May 04 j 07:53	0°♓	
	-9770 Jun 18 j 12:13	0°♈	
morning rise	-9770 Jun 19 j 13:20	0°♈42'27	
	-9770 Aug 01 j 01:41	0°♉	
	-9770 Sep 12 j 03:32	0°♊	
	-9770 Oct 23 j 03:37	0°♋	
	-9770 Dec 02 j 17:47	0°♌	
	-9769 Jan 13 j 01:21	0°♍	
	-9769 Feb 26 j 12:26	0°♎	
desc. node	-9769 Mar 01 j 07:13	1°♎44'06	
	-9769 Apr 28 j 06:07	0°♏	
retrograde	-9769 May 21 j 21:28	3°♏39'04	
	-9769 Jun 13 j 14:06	30°℞♎	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

min. Earth dist.	-9769 Jun 21 j 00:55	27°♎30'06	0.50931 AU
greatest brilliancy	-9769 Jun 27 j 06:38	25°♎12'17	-2.1m
opposition	-9769 Jun 28 j 18:01	24°♎39'34	-5°33'29
direct	-9769 Aug 02 j 00:20	17°♎17'06	
	-9769 Sep 21 j 15:44	0°♏	
	-9769 Nov 19 j 13:25	0°♐	
	-9768 Jan 09 j 21:33	0°♑	
asc. node	-9768 Feb 16 j 22:56	23°♑13'45	
	-9768 Feb 27 j 20:05	0°♒	
	-9768 Apr 14 j 21:15	0°♓	
evening set	-9768 Apr 24 j 20:42	6°♓31'58	
max. Earth dist.	-9768 May 15 j 21:34	20°♓31'32	2.57072 AU
	-9768 May 29 j 21:02	0°♈	
conjunction	-9768 Jun 13 j 04:58	9°♈52'02	1°00'37
minimum elong	-9768 Jun 13 j 03:19	9°♈49'10	1°00'37
	-9768 Jul 11 j 18:10	0°♉	
morning rise	-9768 Aug 02 j 15:36	15°♉51'37	
	-9768 Aug 21 j 18:46	0°♊	
	-9768 Sep 30 j 11:29	0°♋	
	-9768 Nov 08 j 13:11	0°♌	
	-9768 Dec 17 j 20:47	0°♍	
desc. node	-9767 Jan 16 j 02:41	21°♍44'34	
	-9767 Jan 27 j 12:09	0°♎	
	-9767 Mar 12 j 02:39	0°♏	
	-9767 May 02 j 03:12	0°♐	
retrograde	-9767 Jul 01 j 10:18	18°♐11'39	
min. Earth dist.	-9767 Aug 05 j 15:50	10°♐05'41	0.61418 AU
greatest brilliancy	-9767 Aug 09 j 11:55	8°♐33'58	-1.6m
opposition	-9767 Aug 10 j 04:48	8°♐17'08	-4°50'03
	-9767 Sep 07 j 21:01	30°℞♏	
direct	-9767 Sep 16 j 21:05	29°♏28'13	
	-9767 Sep 26 j 05:12	0°♐	
	-9767 Dec 14 j 23:51	0°♑	
asc. node	-9766 Jan 04 j 02:03	10°♑52'01	
	-9766 Feb 06 j 05:37	0°♒	
	-9766 Mar 26 j 17:39	0°♓	
	-9766 May 11 j 02:19	0°♈	
evening set	-9766 Jun 08 j 20:57	20°♈01'26	
	-9766 Jun 22 j 19:26	0°♉	
max. Earth dist.	-9766 Jun 24 j 22:54	1°♉33'03	2.45725 AU
conjunction	-9766 Aug 02 j 05:48	29°♉53'44	1°09'51
minimum elong	-9766 Aug 02 j 07:08	29°♉56'14	1°10'18
	-9766 Aug 02 j 09:08	0°♊	
	-9766 Sep 10 j 11:46	0°♋	
morning rise	-9766 Sep 30 j 14:52	15°♋40'54	
	-9766 Oct 18 j 22:44	0°♌	
	-9766 Nov 26 j 15:04	0°♍	
desc. node	-9766 Dec 03 j 21:13	5°♍33'10	
	-9765 Jan 05 j 10:02	0°♎	
	-9765 Feb 16 j 05:35	0°♏	
	-9765 Apr 02 j 06:27	0°♐	
	-9765 May 23 j 11:51	0°♑	
retrograde	-9765 Aug 06 j 06:26	24°♑24'15	
min. Earth dist.	-9765 Sep 14 j 08:51	14°♑56'19	0.66351 AU
opposition	-9765 Sep 15 j 03:44	14°♑37'18	-2°33'12
greatest brilliancy	-9765 Sep 15 j 02:42	14°♑38'20	-1.4m
direct	-9765 Oct 25 j 01:22	4°♑59'14	
asc. node	-9765 Nov 22 j 07:18	9°♑18'44	
	-9764 Jan 11 j 08:38	0°♒	
	-9764 Mar 04 j 13:38	0°♓	
	-9764 Apr 20 j 08:03	0°♈	
	-9764 Jun 02 j 10:10	0°♉	
	-9764 Jul 12 j 23:07	0°♊	
evening set	-9764 Aug 02 j 17:57	15°♊54'33	
	-9764 Aug 20 j 21:27	0°♋	
	-9764 Sep 28 j 03:35	0°♌	
conjunction	-9764 Oct 03 j 20:17	4°♌28'01	0°12'52
minimum elong	-9764 Oct 03 j 21:32	4°♌30'27	0°13'21
behind sun begin	-9764 Oct 03 j 05:35	3°♌59'12	
behind sun end	-9764 Oct 04 j 13:29	5°♌01'41	
desc. node	-9764 Oct 20 j 16:05	17°♌36'44	
max. Earth dist.	-9764 Oct 30 j 11:12	25°♌13'08	2.38738 AU
	-9764 Nov 05 j 15:46	0°♍	
morning rise	-9764 Dec 08 j 07:36	24°♍49'25	
	-9764 Dec 15 j 06:18	0°♎	
	-9763 Jan 25 j 16:20	0°♏	
	-9763 Mar 10 j 12:06	0°♐	
	-9763 Apr 26 j 09:46	0°♑	
	-9763 Jun 17 j 11:29	0°♒	
retrograde	-9763 Sep 09 j 20:53	28°♒31'13	
asc. node	-9763 Oct 09 j 11:19	22°♒53'42	
opposition	-9763 Oct 18 j 18:25	19°♒20'26	0°22'22
greatest brilliancy	-9763 Oct 18 j 19:13	19°♒19'39	-1.4m
min. Earth dist.	-9763 Oct 21 j 16:41	18°♒10'45	0.65135 AU
direct	-9763 Nov 28 j 15:57	9°♒21'18	
	-9762 Feb 04 j 16:19	0°♓	
	-9762 Mar 28 j 22:13	0°♈	
	-9762 May 12 j 14:28	0°♉	
	-9762 Jun 22 j 16:52	0°♊	
	-9762 Jul 31 j 20:47	0°♋	
desc. node	-9762 Sep 07 j 12:49	29°♋25'25	
	-9762 Sep 08 j 06:31	0°♌	
evening set	-9762 Oct 07 j 17:17	22°♌54'12	
	-9762 Oct 16 j 22:32	0°♍	
	-9762 Nov 25 j 17:17	0°♎	
conjunction	-9762 Dec 07 j 23:40	9°♎00'38	-0°58'24
minimum elong	-9762 Dec 07 j 20:57	8°♎55'40	0°58'24
	-9761 Jan 06 j 05:56	0°♏	
max. Earth dist.	-9761 Jan 17 j 09:37	7°♏48'43	2.50507 AU
morning rise	-9761 Feb 04 j 05:56	20°♏06'22	
	-9761 Feb 18 j 21:08	0°♐	
	-9761 Apr 05 j 17:02	0°♑	
	-9761 May 23 j 21:04	0°♒	
	-9761 Jul 14 j 15:29	0°♓	
asc. node	-9761 Aug 27 j 11:08	21°♓43'13	
	-9761 Sep 18 j 16:55	0°♈	
retrograde	-9761 Oct 20 j 09:01	5°♈21'03	
	-9761 Nov 18 j 13:29	30°℞♓	
opposition	-9761 Nov 26 j 05:02	27°♓12'58	3°41'17
greatest brilliancy	-9761 Nov 26 j 23:02	26°♓55'58	-1.7m
min. Earth dist.	-9761 Dec 02 j 16:02	24°♓46'52	0.57923 AU
direct	-9760 Jan 05 j 11:09	17°♓33'51	
	-9760 Feb 22 j 22:22	0°♈	
	-9760 Apr 16 j 09:23	0°♉	
	-9760 May 29 j 22:37	0°♊	
	-9760 Jul 09 j 05:40	0°♋	
desc. node	-9760 Jul 25 j 13:40	12°♋28'33	
	-9760 Aug 17 j 09:15	0°♌	
	-9760 Sep 25 j 16:19	0°♍	
	-9760 Nov 05 j 00:51	0°♎	
evening set	-9760 Dec 04 j 22:27	21°♎28'57	
	-9760 Dec 17 j 01:18	0°♏	
conjunction	-9759 Jan 28 j 01:31	28°♏42'53	-1°11'34
minimum elong	-9759 Jan 28 j 02:18	28°♏44'13	1°12'02
	-9759 Jan 29 j 23:36	0°♐	
max. Earth dist.	-9759 Feb 19 j 00:27	13°♐17'10	2.60706 AU
	-9759 Mar 16 j 15:59	0°♑	
morning rise	-9759 Mar 20 j 04:47	2°♑16'47	
	-9759 May 02 j 16:58	0°♒	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9759 Jun 19 j 19:41	0°♓	
asc. node	-9759 Jul 14 j 07:04	14°♓57'10	
	-9759 Aug 08 j 12:03	0°♈	
	-9759 Oct 02 j 00:50	0°♉	
retrograde	-9759 Dec 12 j 05:11	21°♉54'47	
opposition	-9758 Jan 14 j 11:20	15°♉30'38	6°26'32
greatest brilliancy	-9758 Jan 16 j 05:55	14°♉55'47	-2.3m
min. Earth dist.	-9758 Jan 22 j 14:10	12°♉51'51	0.46140 AU
direct	-9758 Feb 20 j 01:50	7°♉43'35	
	-9758 Apr 26 j 05:55	0°♊	
desc. node	-9758 Jun 12 j 17:53	0°♋27'37	
	-9758 Jun 12 j 01:55	0°♋	
	-9758 Jul 24 j 04:31	0°♌	
	-9758 Sep 03 j 10:05	0°♍	
	-9758 Oct 15 j 05:53	0°♎	
	-9758 Nov 27 j 09:18	0°♏	
	-9757 Jan 11 j 02:28	0°♐	
evening set	-9757 Jan 21 j 02:25	6°♐34'41	
	-9757 Feb 26 j 03:50	0°♑	
conjunction	-9757 Mar 11 j 15:53	8°♑40'51	-0°44'14
minimum elong	-9757 Mar 11 j 17:23	8°♑43'14	0°44'48
max. Earth dist.	-9757 Mar 17 j 01:39	12°♑08'57	2.65978 AU
	-9757 Apr 13 j 23:32	0°♒	
morning rise	-9757 Apr 28 j 02:32	9°♒01'17	
	-9757 May 30 j 21:23	0°♓	
asc. node	-9757 May 31 j 23:59	0°♓42'40	
	-9757 Jul 16 j 11:04	0°♈	
	-9757 Aug 31 j 18:29	0°♉	
	-9757 Oct 17 j 12:47	0°♊	
	-9757 Dec 05 j 23:38	0°♋	
retrograde	-9756 Feb 25 j 19:40	29°♋51'13	
opposition	-9756 Mar 27 j 16:52	24°♋38'49	2°36'54
min. Earth dist.	-9756 Mar 27 j 09:26	24°♋43'48	0.38168 AU
greatest brilliancy	-9756 Mar 27 j 19:36	24°♋36'58	-2.9m
direct	-9756 Apr 27 j 04:59	19°♋32'01	
desc. node	-9756 Apr 29 j 21:59	19°♋34'54	
	-9756 Jun 09 j 06:35	0°♌	
	-9756 Aug 03 j 13:16	0°♍	
	-9756 Sep 19 j 19:06	0°♎	
	-9756 Nov 04 j 22:36	0°♏	
	-9756 Dec 21 j 10:40	0°♐	
	-9755 Feb 06 j 11:51	0°♑	
evening set	-9755 Mar 01 j 18:39	14°♑47'38	
	-9755 Mar 25 j 15:42	0°♒	
max. Earth dist.	-9755 Apr 09 j 12:50	9°♒31'19	2.65897 AU
asc. node	-9755 Apr 17 j 17:29	14°♒47'13	
conjunction	-9755 Apr 18 j 13:41	15°♒19'42	0°00'30
minimum elong	-9755 Apr 18 j 13:40	15°♒19'42	0°00'03
behind sun begin	-9755 Apr 17 j 19:39	14°♒50'42	
behind sun end	-9755 Apr 19 j 07:42	15°♒48'42	
	-9755 May 11 j 05:38	0°♓	
morning rise	-9755 Jun 04 j 01:03	15°♓36'49	
	-9755 Jun 25 j 15:47	0°♈	
	-9755 Aug 08 j 16:52	0°♉	
	-9755 Sep 20 j 11:47	0°♊	
	-9755 Nov 01 j 10:37	0°♋	
	-9755 Dec 13 j 07:30	0°♌	
	-9754 Jan 25 j 19:47	0°♍	
desc. node	-9754 Mar 18 j 00:07	29°♍49'14	
	-9754 Mar 18 j 09:19	0°♎	
retrograde	-9754 May 02 j 09:15	11°♎58'37	
min. Earth dist.	-9754 May 30 j 13:05	6°♎39'50	0.45998 AU
greatest brilliancy	-9754 Jun 06 j 04:57	4°♎23'19	-2.4m
opposition	-9754 Jun 07 j 14:42	3°♎54'14	-4°47'13
	-9754 Jun 20 j 05:09	30°℞♍	
direct	-9754 Jul 10 j 08:00	27°♍18'53	
	-9754 Jul 31 j 10:20	0°♎	
	-9754 Oct 08 j 09:05	0°♏	
	-9754 Nov 29 j 09:24	0°♐	
	-9753 Jan 17 j 20:09	0°♑	
asc. node	-9753 Mar 05 j 14:07	29°♑04'57	
	-9753 Mar 07 j 01:02	0°♒	
evening set	-9753 Apr 10 j 01:21	21°♒41'49	
	-9753 Apr 22 j 20:22	0°♓	
max. Earth dist.	-9753 May 05 j 09:12	8°♓13'36	2.60533 AU
conjunction	-9753 May 28 j 09:53	23°♓35'15	0°46'28
minimum elong	-9753 May 28 j 08:19	23°♓32'36	0°46'18
	-9753 Jun 06 j 20:58	0°♈	
morning rise	-9753 Jul 15 j 21:02	27°♈05'19	
	-9753 Jul 19 j 23:28	0°♉	
	-9753 Aug 30 j 08:14	0°♊	
	-9753 Oct 09 j 10:38	0°♋	
	-9753 Nov 17 j 22:36	0°♌	
	-9753 Dec 27 j 17:44	0°♍	
desc. node	-9752 Feb 02 j 23:34	27°♍04'41	
	-9752 Feb 07 j 03:16	0°♎	
	-9752 Mar 23 j 16:09	0°♏	
	-9752 May 27 j 12:46	0°♐	
retrograde	-9752 Jun 16 j 09:00	2°♐32'13	
	-9752 Jul 05 j 06:53	30°℞♏	
min. Earth dist.	-9752 Jul 19 j 17:31	25°♏08'11	0.57869 AU
opposition	-9752 Jul 25 j 16:44	22°♏48'06	-5°24'25
greatest brilliancy	-9752 Jul 24 j 15:24	23°♏12'54	-1.7m
direct	-9752 Aug 31 j 04:27	14°♏27'37	
	-9752 Oct 28 j 02:41	0°♐	
	-9752 Dec 25 j 07:46	0°♑	
asc. node	-9751 Jan 20 j 15:15	15°♑12'23	
	-9751 Feb 14 j 06:39	0°♒	
	-9751 Apr 03 j 01:22	0°♓	
	-9751 May 18 j 05:09	0°♈	
evening set	-9751 May 21 j 10:39	2°♈12'36	
max. Earth dist.	-9751 Jun 06 j 18:27	13°♈31'29	2.50489 AU
	-9751 Jun 29 j 23:07	0°♉	
conjunction	-9751 Jul 12 j 07:36	8°♉57'51	1°12'35
minimum elong	-9751 Jul 12 j 07:12	8°♉57'06	1°12'54
	-9751 Aug 09 j 16:18	0°♊	
morning rise	-9751 Sep 05 j 12:40	20°♊24'39	
	-9751 Sep 17 j 23:33	0°♋	
	-9751 Oct 26 j 15:10	0°♌	
	-9751 Dec 04 j 11:42	0°♍	
desc. node	-9751 Dec 20 j 17:46	12°♍20'08	
	-9750 Jan 13 j 11:33	0°♎	
	-9750 Feb 24 j 16:32	0°♏	
	-9750 Apr 11 j 20:52	0°♐	
	-9750 Jun 07 j 16:11	0°♑	
retrograde	-9750 Jul 23 j 15:34	11°♑02'05	
min. Earth dist.	-9750 Aug 30 j 09:07	2°♑02'33	0.65129 AU
opposition	-9750 Sep 01 j 15:22	1°♑07'56	-3°32'11
greatest brilliancy	-9750 Sep 01 j 09:35	1°♑13'45	-1.4m
	-9750 Sep 04 j 11:14	30°℞♐	
direct	-9750 Oct 10 j 19:42	21°♐45'38	
	-9750 Nov 20 j 05:27	0°♑	
asc. node	-9750 Dec 08 j 20:03	7°♑30'45	
	-9749 Jan 22 j 06:26	0°♒	
	-9749 Mar 13 j 21:45	0°♓	
	-9749 Apr 28 j 22:57	0°♈	
	-9749 Jun 10 j 20:10	0°♉	
evening set	-9749 Jul 11 j 10:02	22°♉30'35	
	-9749 Jul 21 j 08:30	0°♊	
max. Earth dist.	-9749 Aug 15 j 04:09	19°♊00'41	2.39060 AU

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9749 Aug 29 j 07:43	0°♋	
conjunction	-9749 Sep 08 j 16:17	8°♋05'27	0°42'53
minimum elong	-9749 Sep 08 j 19:20	8°♋11'25	0°43'25
	-9749 Oct 06 j 14:55	0°♌	
desc. node	-9749 Nov 07 j 10:53	24°♌49'35	
morning rise	-9749 Nov 12 j 12:27	28°♌44'26	
	-9749 Nov 14 j 03:39	0°♍	
	-9749 Dec 23 j 18:35	0°♎	
	-9748 Feb 03 j 06:06	0°♏	
	-9748 Mar 18 j 08:09	0°♐	
	-9748 May 05 j 04:31	0°♑	
	-9748 Jun 30 j 11:08	0°♒	
retrograde	-9748 Aug 26 j 18:36	15°♒23'36	
opposition	-9748 Oct 05 j 04:26	5°♒55'54	-0°49'06
greatest brilliancy	-9748 Oct 05 j 05:48	5°♒54'32	-1.4m
min. Earth dist.	-9748 Oct 06 j 15:59	5°♒20'20	0.66340 AU
	-9748 Oct 21 j 03:58	30°℞♑	
asc. node	-9748 Oct 26 j 01:12	28°♑35'44	
direct	-9748 Nov 14 j 20:33	26°♑01'32	
	-9748 Dec 11 j 16:49	0°♒	
	-9747 Feb 16 j 19:36	0°♓	
	-9747 Apr 06 j 22:05	0°♈	
	-9747 May 20 j 18:19	0°♉	
	-9747 Jun 30 j 13:27	0°♊	
	-9747 Aug 08 j 13:54	0°♋	
evening set	-9747 Sep 11 j 18:57	26°♋47'39	
	-9747 Sep 15 j 21:03	0°♌	
desc. node	-9747 Sep 24 j 06:59	6°♌35'25	
	-9747 Oct 24 j 10:13	0°♍	
conjunction	-9747 Nov 13 j 22:24	15°♍39'15	-0°36'27
minimum elong	-9747 Nov 13 j 19:38	15°♍34'00	0°36'12
	-9747 Dec 03 j 01:57	0°♎	
max. Earth dist.	-9747 Dec 29 j 08:39	19°♎12'12	2.45578 AU
	-9746 Jan 13 j 12:04	0°♏	
morning rise	-9746 Jan 14 j 15:58	0°♏49'14	
	-9746 Feb 26 j 02:55	0°♐	
	-9746 Apr 13 j 04:36	0°♑	
	-9746 Jun 01 j 06:58	0°♒	
	-9746 Jul 26 j 14:22	0°♓	
asc. node	-9746 Sep 13 j 03:15	18°♓09'09	
retrograde	-9746 Oct 03 j 15:52	20°♓32'54	
opposition	-9746 Nov 10 j 10:47	11°♓56'31	2°22'35
greatest brilliancy	-9746 Nov 10 j 19:47	11°♓47'48	-1.6m
min. Earth dist.	-9746 Nov 15 j 13:58	9°♓57'21	0.61414 AU
direct	-9746 Dec 21 j 05:00	2°♓02'39	
	-9745 Mar 11 j 02:37	0°♈	
	-9745 Apr 27 j 22:16	0°♉	
	-9745 Jun 09 j 02:24	0°♊	
	-9745 Jul 18 j 18:50	0°♋	
desc. node	-9745 Aug 12 j 06:27	18°♋55'45	
	-9745 Aug 26 j 13:01	0°♌	
	-9745 Oct 04 j 12:05	0°♍	
	-9745 Nov 13 j 13:20	0°♎	
evening set	-9745 Nov 14 j 12:13	0°♎42'00	
	-9745 Dec 25 j 07:24	0°♏	
conjunction	-9744 Jan 10 j 07:22	11°♏08'01	-1°12'55
minimum elong	-9744 Jan 10 j 06:55	11°♏07'15	1°13'14
	-9744 Feb 07 j 01:08	0°♐	
max. Earth dist.	-9744 Feb 08 j 13:49	1°♐01'27	2.57238 AU
morning rise	-9744 Mar 03 j 18:50	17°♐03'26	
	-9744 Mar 23 j 16:48	0°♑	
	-9744 May 10 j 00:33	0°♒	
	-9744 Jun 28 j 01:37	0°♓	
asc. node	-9744 Jul 31 j 00:37	19°♓14'05	
	-9744 Aug 19 j 12:00	0°♈	
	-9744 Oct 30 j 18:22	0°♉	
retrograde	-9744 Nov 18 j 20:05	2°♉05'37	
	-9744 Dec 07 j 00:22	30°℞♈	
opposition	-9744 Dec 23 j 17:22	24°♈55'20	5°37'10
greatest brilliancy	-9744 Dec 25 j 04:40	24°♈24'13	-2.0m
min. Earth dist.	-9744 Dec 31 j 18:44	22°♈05'39	0.51033 AU
direct	-9743 Jan 31 j 06:31	16°♈08'49	
	-9743 Mar 22 j 07:33	0°♉	
	-9743 May 12 j 03:33	0°♊	
	-9743 Jun 23 j 17:07	0°♋	
desc. node	-9743 Jun 29 j 08:38	4°♋08'28	
	-9743 Aug 03 j 02:27	0°♌	
	-9743 Sep 12 j 06:42	0°♍	
	-9743 Oct 23 j 08:14	0°♎	
	-9743 Dec 04 j 22:08	0°♏	
evening set	-9742 Jan 03 j 21:13	20°♏24'25	
	-9742 Jan 18 j 05:47	0°♐	
conjunction	-9742 Feb 23 j 20:33	24°♐01'33	-0°57'53
minimum elong	-9742 Feb 23 j 22:09	24°♐04'09	0°58'26
	-9742 Mar 05 j 01:58	0°♑	
max. Earth dist.	-9742 Mar 07 j 08:32	1°♑28'04	2.64550 AU
morning rise	-9742 Apr 13 j 09:13	25°♑12'12	
	-9742 Apr 20 j 21:54	0°♒	
	-9742 Jun 07 j 03:36	0°♓	
asc. node	-9742 Jun 17 j 18:20	6°♓43'35	
	-9742 Jul 24 j 13:42	0°♈	
	-9742 Sep 10 j 16:50	0°♉	
	-9742 Oct 31 j 18:08	0°♊	
	-9741 Jan 16 j 06:01	0°♋	
retrograde	-9741 Jan 25 j 08:21	0°♋30'28	
	-9741 Feb 03 j 09:59	30°℞♊	
opposition	-9741 Feb 25 j 08:57	25°♊14'17	5°32'27
greatest brilliancy	-9741 Feb 26 j 10:56	24°♊56'06	-2.8m
min. Earth dist.	-9741 Mar 02 j 01:28	23°♊56'00	0.39708 AU
direct	-9741 Mar 29 j 15:55	19°♊25'12	
	-9741 May 11 j 06:59	0°♋	
desc. node	-9741 May 17 j 14:31	2°♋55'23	
	-9741 Jul 03 j 15:12	0°♌	
	-9741 Aug 17 j 19:46	0°♍	
	-9741 Sep 30 j 20:27	0°♎	
	-9741 Nov 14 j 09:23	0°♏	
	-9741 Dec 29 j 23:46	0°♐	
	-9740 Feb 14 j 13:08	0°♑	
evening set	-9740 Feb 15 j 10:24	0°♑34'01	
max. Earth dist.	-9740 Mar 31 j 03:45	29°♑07'58	2.66572 AU
	-9740 Apr 01 j 12:17	0°♒	
conjunction	-9740 Apr 03 j 15:02	1°♒21'08	-0°17'49
minimum elong	-9740 Apr 03 j 15:44	1°♒22'15	0°18'20
asc. node	-9740 May 04 j 10:39	21°♒08'07	
	-9740 May 18 j 03:42	0°♓	
morning rise	-9740 May 20 j 03:54	1°♓18'09	
	-9740 Jul 02 j 22:01	0°♈	
	-9740 Aug 16 j 14:53	0°♉	
	-9740 Sep 29 j 10:45	0°♊	
	-9740 Nov 11 j 22:44	0°♋	
	-9740 Dec 26 j 08:41	0°♌	
	-9739 Feb 14 j 08:41	0°♍	
desc. node	-9739 Apr 03 j 18:39	16°♍10'13	
retrograde	-9739 Apr 09 j 14:24	16°♍24'14	
min. Earth dist.	-9739 May 06 j 15:51	11°♍43'38	0.41466 AU
opposition	-9739 May 13 j 13:33	9°♍36'47	-2°50'07
greatest brilliancy	-9739 May 12 j 18:28	9°♍51'29	-2.7m
direct	-9739 Jun 13 j 17:20	3°♍52'51	
	-9739 Aug 29 j 06:34	0°♎	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9739 Oct 20 j 06:12	0°♏	
	-9739 Dec 08 j 04:20	0°♐	
	-9738 Jan 25 j 09:46	0°♑	
	-9738 Mar 14 j 02:17	0°♒	
asc. node	-9738 Mar 22 j 05:43	5°♒10'45	
evening set	-9738 Mar 25 j 17:01	7°♒23'32	
max. Earth dist.	-9738 Apr 24 j 21:22	26°♒49'51	2.63234 AU
	-9738 Apr 29 j 18:08	0°♓	
conjunction	-9738 May 12 j 13:17	8°♓23'41	0°29'35
minimum elong	-9738 May 12 j 12:11	8°♓21'52	0°29'18
	-9738 Jun 13 j 21:16	0°♈	
morning rise	-9738 Jun 28 j 19:13	10°♈10'34	
	-9738 Jul 27 j 06:45	0°♉	
	-9738 Sep 07 j 01:57	0°♊	
	-9738 Oct 17 j 17:06	0°♋	
	-9738 Nov 26 j 19:55	0°♌	
	-9737 Jan 06 j 10:09	0°♍	
	-9737 Feb 18 j 06:58	0°♎	
desc. node	-9737 Feb 19 j 17:41	0°♎57'37	
	-9737 Apr 09 j 20:31	0°♏	
retrograde	-9737 May 31 j 23:49	15°♏02'43	
min. Earth dist.	-9737 Jul 02 j 07:30	8°♏26'00	0.53568 AU
greatest brilliancy	-9737 Jul 08 j 03:35	6°♏13'30	-1.9m
opposition	-9737 Jul 09 j 12:25	5°♏42'21	-5°39'02
	-9737 Jul 27 j 05:36	30°℞♎	
direct	-9737 Aug 13 j 14:48	27°♎57'09	
	-9737 Sep 01 j 04:24	0°♏	
	-9737 Nov 12 j 08:03	0°♐	
	-9736 Jan 04 j 08:55	0°♑	
asc. node	-9736 Feb 07 j 05:42	20°♑20'58	
	-9736 Feb 22 j 21:59	0°♒	
	-9736 Apr 10 j 05:00	0°♓	
evening set	-9736 May 04 j 06:36	15°♓50'03	
max. Earth dist.	-9736 May 23 j 06:24	28°♓37'54	2.54902 AU
	-9736 May 25 j 06:32	0°♈	
conjunction	-9736 Jun 23 j 08:11	20°♈11'16	1°06'47
minimum elong	-9736 Jun 23 j 06:47	20°♈08'47	1°06'54
	-9736 Jul 07 j 03:02	0°♉	
morning rise	-9736 Aug 14 j 04:51	27°♉52'16	
	-9736 Aug 17 j 01:15	0°♊	
	-9736 Sep 25 j 14:26	0°♋	
	-9736 Nov 03 j 12:01	0°♌	
	-9736 Dec 12 j 14:26	0°♍	
desc. node	-9735 Jan 06 j 13:33	18°♍44'11	
	-9735 Jan 21 j 22:01	0°♎	
	-9735 Mar 05 j 19:29	0°♏	
	-9735 Apr 23 j 05:17	0°♐	
retrograde	-9735 Jul 09 j 17:05	27°♐02'59	
min. Earth dist.	-9735 Aug 14 j 21:24	18°♐36'30	0.62995 AU
opposition	-9735 Aug 18 j 15:06	17°♐06'42	-4°24'16
greatest brilliancy	-9735 Aug 18 j 02:37	17°♐19'11	-1.5m
direct	-9735 Sep 25 j 21:46	8°♐04'25	
	-9735 Dec 07 j 02:30	0°♑	
asc. node	-9735 Dec 25 j 09:40	9°♑16'22	
	-9734 Jan 31 j 14:14	0°♒	
	-9734 Mar 21 j 17:47	0°♓	
	-9734 May 06 j 08:06	0°♈	
	-9734 Jun 18 j 03:02	0°♉	
evening set	-9734 Jun 20 j 03:59	1°♉28'26	
max. Earth dist.	-9734 Jul 08 j 16:14	15°♉01'25	2.43099 AU
	-9734 Jul 28 j 16:36	0°♊	
conjunction	-9734 Aug 15 j 04:04	13°♊18'52	1°03'24
minimum elong	-9734 Aug 15 j 06:24	13°♊23'22	1°03'55
	-9734 Sep 05 j 18:12	0°♋	
	-9734 Oct 14 j 03:48	0°♌	
morning rise	-9734 Oct 15 j 19:59	1°♌18'33	
	-9734 Nov 21 j 18:21	0°♍	
desc. node	-9734 Nov 24 j 07:26	1°♍57'22	
	-9734 Dec 31 j 10:49	0°♎	
	-9733 Feb 11 j 01:46	0°♏	
	-9733 Mar 27 j 14:45	0°♐	
	-9733 May 16 j 02:42	0°♑	
	-9733 Jul 25 j 00:21	0°♒	
retrograde	-9733 Aug 14 j 01:37	2°♒22'00	
	-9733 Sep 01 j 21:08	30°℞♑	
opposition	-9733 Sep 22 j 20:15	22°♑40'52	-1°56'22
greatest brilliancy	-9733 Sep 22 j 20:51	22°♑40'17	-1.4m
min. Earth dist.	-9733 Sep 22 j 20:48	22°♑40'19	0.66608 AU
direct	-9733 Nov 02 j 02:10	12°♑55'46	
asc. node	-9733 Nov 12 j 15:30	13°♑35'43	
	-9732 Jan 02 j 19:02	0°♒	
	-9732 Feb 27 j 17:55	0°♓	
	-9732 Apr 15 j 04:57	0°♈	
	-9732 May 28 j 13:03	0°♉	
	-9732 Jul 08 j 04:05	0°♊	
evening set	-9732 Aug 16 j 21:59	0°♋37'02	
	-9732 Aug 16 j 03:00	0°♋	
	-9732 Sep 23 j 09:14	0°♌	
desc. node	-9732 Oct 11 j 01:10	13°♌49'50	
conjunction	-9732 Oct 18 j 23:53	20°♌01'09	-0°06'06
minimum elong	-9732 Oct 18 j 23:21	20°♌00'07	0°05'40
behind sun begin	-9732 Oct 17 j 21:22	19°♌09'38	
behind sun end	-9732 Oct 20 j 01:19	20°♌50'34	
	-9732 Oct 31 j 21:14	0°♍	
max. Earth dist.	-9732 Nov 29 j 16:17	21°♍55'53	2.40794 AU
	-9732 Dec 10 j 11:26	0°♎	
morning rise	-9732 Dec 22 j 14:23	8°♎56'37	
	-9731 Jan 20 j 20:32	0°♏	
	-9731 Mar 05 j 12:55	0°♐	
	-9731 Apr 21 j 00:33	0°♑	
	-9731 Jun 10 j 15:14	0°♒	
	-9731 Aug 13 j 15:03	0°♓	
retrograde	-9731 Sep 18 j 05:42	6°♓38'35	
asc. node	-9731 Sep 29 j 18:50	5°♓46'24	
	-9731 Oct 20 j 17:10	30°℞♒	
opposition	-9731 Oct 26 j 19:25	27°♒38'45	1°05'27
greatest brilliancy	-9731 Oct 26 j 22:18	27°♒35'54	-1.5m
min. Earth dist.	-9731 Oct 30 j 12:47	26°♒10'48	0.64082 AU
direct	-9731 Dec 06 j 18:08	17°♒39'24	
	-9730 Jan 25 j 13:16	0°♓	
	-9730 Mar 22 j 15:28	0°♈	
	-9730 May 07 j 04:12	0°♉	
	-9730 Jun 17 j 14:20	0°♊	
	-9730 Jul 26 j 21:51	0°♋	
desc. node	-9730 Aug 28 j 23:59	25°♋46'45	
	-9730 Sep 03 j 09:48	0°♌	
	-9730 Oct 12 j 03:15	0°♍	
evening set	-9730 Oct 21 j 22:50	7°♍29'38	
	-9730 Nov 20 j 23:07	0°♎	
conjunction	-9730 Dec 20 j 17:20	21°♎37'31	-1°06'23
minimum elong	-9730 Dec 20 j 15:21	21°♎33'57	1°06'32
	-9729 Jan 01 j 12:36	0°♏	
max. Earth dist.	-9729 Jan 26 j 09:19	17°♏16'39	2.53083 AU
	-9729 Feb 14 j 03:27	0°♐	
morning rise	-9729 Feb 15 j 03:11	0°♐39'49	
	-9729 Mar 31 j 20:31	0°♑	
	-9729 May 18 j 14:52	0°♒	
	-9729 Jul 08 j 02:21	0°♓	
asc. node	-9729 Aug 17 j 17:39	21°♓50'58	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9729 Sep 04 j 02:38	0°♈	
retrograde	-9729 Oct 30 j 17:15	14°♈49'42	
opposition	-9729 Dec 05 j 22:58	7°♈00'08	4°25'35
greatest brilliancy	-9729 Dec 06 j 23:03	6°♈37'50	-1.8m
min. Earth dist.	-9729 Dec 13 j 02:18	4°♈21'57	0.55662 AU
	-9729 Dec 26 j 20:57	30°℞♓	
direct	-9728 Jan 14 j 18:37	27°♓34'54	
	-9728 Feb 03 j 11:09	0°♈	
	-9728 Apr 08 j 16:05	0°♉	
	-9728 May 23 j 17:40	0°♊	
	-9728 Jul 03 j 14:45	0°♋	
desc. node	-9728 Jul 16 j 02:26	9°♋25'55	
	-9728 Aug 12 j 02:27	0°♌	
	-9728 Sep 20 j 15:05	0°♍	
	-9728 Oct 31 j 03:49	0°♎	
	-9728 Dec 12 j 07:28	0°♏	
evening set	-9728 Dec 16 j 06:31	2°♏45'12	
	-9727 Jan 25 j 07:37	0°♐	
conjunction	-9727 Feb 07 j 03:44	8°♐31'48	-1°07'55
minimum elong	-9727 Feb 07 j 04:59	8°♐33'51	1°08'25
max. Earth dist.	-9727 Feb 25 j 08:16	20°♐28'26	2.62287 AU
	-9727 Mar 12 j 00:17	0°♑	
morning rise	-9727 Mar 29 j 05:38	11°♑05'06	
	-9727 Apr 27 j 22:25	0°♒	
	-9727 Jun 14 j 15:48	0°♓	
asc. node	-9727 Jul 04 j 12:10	12°♓19'53	
	-9727 Aug 02 j 07:49	0°♈	
	-9727 Sep 22 j 14:32	0°♉	
	-9727 Nov 26 j 20:24	0°♊	
retrograde	-9727 Dec 27 j 02:12	5°♊00'47	
	-9726 Jan 25 j 08:48	30°℞♉	
opposition	-9726 Jan 28 j 10:35	29°♉03'27	6°32'14
greatest brilliancy	-9726 Jan 30 j 04:07	28°♉31'05	-2.5m
min. Earth dist.	-9726 Feb 04 j 21:52	26°♉44'40	0.43528 AU
direct	-9726 Mar 04 j 14:20	21°♉57'44	
	-9726 Apr 09 j 20:54	0°♊	
desc. node	-9726 Jun 03 j 06:07	29°♊56'01	
	-9726 Jun 03 j 08:34	0°♋	
	-9726 Jul 17 j 07:37	0°♌	
	-9726 Aug 28 j 11:27	0°♍	
	-9726 Oct 09 j 20:55	0°♎	
	-9726 Nov 22 j 09:30	0°♏	
	-9725 Jan 06 j 08:19	0°♐	
evening set	-9725 Jan 30 j 12:48	15°♐47'27	
	-9725 Feb 21 j 12:49	0°♑	
conjunction	-9725 Mar 20 j 12:14	17°♑17'53	-0°35'03
minimum elong	-9725 Mar 20 j 13:30	17°♑19'55	0°35'37
max. Earth dist.	-9725 Mar 22 j 16:04	18°♑40'49	2.66411 AU
	-9725 Apr 09 j 09:02	0°♒	
morning rise	-9725 May 06 j 12:40	17°♒22'43	
asc. node	-9725 May 22 j 04:56	27°♒27'03	
	-9725 May 26 j 03:58	0°♓	
	-9725 Jul 11 j 09:52	0°♈	
	-9725 Aug 26 j 00:59	0°♉	
	-9725 Oct 10 j 11:14	0°♊	
	-9725 Nov 25 j 19:46	0°♋	
	-9724 Jan 16 j 07:26	0°♌	
retrograde	-9724 Mar 13 j 15:19	17°♌20'50	
min. Earth dist.	-9724 Apr 11 j 03:16	12°♌39'58	0.38581 AU
opposition	-9724 Apr 14 j 09:26	11°♌45'57	0°28'42
greatest brilliancy	-9724 Apr 14 j 08:41	11°♌46'28	-2.9m
desc. node	-9724 Apr 20 j 10:28	10°♌08'27	
direct	-9724 May 14 j 14:17	6°♌38'04	
	-9724 Jul 23 j 16:05	0°♍	
	-9724 Sep 12 j 15:16	0°♎	
	-9724 Oct 30 j 03:57	0°♏	
	-9724 Dec 16 j 07:58	0°♐	
	-9723 Feb 01 j 17:27	0°♑	
evening set	-9723 Mar 10 j 12:35	23°♑18'20	
	-9723 Mar 21 j 01:07	0°♒	
asc. node	-9723 Apr 07 j 22:48	11°♒26'59	
max. Earth dist.	-9723 Apr 15 j 03:32	16°♒04'35	2.65161 AU
conjunction	-9723 Apr 27 j 05:54	23°♒53'34	0°11'20
minimum elong	-9723 Apr 27 j 05:28	23°♒52'52	0°10'56
behind sun begin	-9723 Apr 26 j 15:01	23°♒29'29	
behind sun end	-9723 Apr 27 j 19:54	24°♒16'15	
	-9723 May 06 j 15:24	0°♓	
morning rise	-9723 Jun 12 j 20:50	24°♓34'16	
	-9723 Jun 20 j 22:58	0°♈	
	-9723 Aug 03 j 18:05	0°♉	
	-9723 Sep 15 j 03:43	0°♊	
	-9723 Oct 26 j 13:15	0°♋	
	-9723 Dec 06 j 15:14	0°♌	
	-9722 Jan 17 j 16:02	0°♍	
	-9722 Mar 04 j 23:16	0°♎	
desc. node	-9722 Mar 08 j 12:30	2°♎03'17	
retrograde	-9722 May 13 j 18:52	25°♎04'36	
min. Earth dist.	-9722 Jun 12 j 00:20	19°♎18'48	0.48717 AU
greatest brilliancy	-9722 Jun 18 j 12:17	16°♎59'21	-2.2m
opposition	-9722 Jun 20 j 00:22	16°♎26'55	-5°20'42
direct	-9722 Jul 23 j 13:43	9°♎24'53	
	-9722 Sep 29 j 00:44	0°♏	
	-9722 Nov 23 j 05:13	0°♐	
	-9721 Jan 12 j 15:45	0°♑	
asc. node	-9721 Feb 23 j 20:48	25°♑59'27	
	-9721 Mar 02 j 06:35	0°♒	
	-9721 Apr 18 j 05:44	0°♓	
evening set	-9721 Apr 19 j 01:24	0°♓32'03	
max. Earth dist.	-9721 May 11 j 20:46	15°♓34'00	2.58699 AU
	-9721 Jun 02 j 06:48	0°♈	
conjunction	-9721 Jun 06 j 21:23	3°♈08'54	0°55'02
minimum elong	-9721 Jun 06 j 19:43	3°♈06'02	0°54'59
	-9721 Jul 15 j 07:08	0°♉	
morning rise	-9721 Jul 26 j 08:22	7°♉55'44	
	-9721 Aug 25 j 12:03	0°♊	
	-9721 Oct 04 j 09:13	0°♋	
	-9721 Nov 12 j 15:19	0°♌	
	-9721 Dec 22 j 03:03	0°♍	
desc. node	-9720 Jan 24 j 08:44	24°♍31'14	
	-9720 Feb 01 j 00:01	0°♎	
	-9720 Mar 16 j 04:19	0°♏	
	-9720 May 09 j 01:32	0°♐	
retrograde	-9720 Jun 25 j 03:30	12°♐05'17	
min. Earth dist.	-9720 Jul 29 j 13:34	4°♐17'35	0.59937 AU
opposition	-9720 Aug 03 j 18:18	2°♐14'18	-5°06'33
greatest brilliancy	-9720 Aug 02 j 21:45	2°♐34'37	-1.6m
	-9720 Aug 09 j 13:23	30°℞♏	
direct	-9720 Sep 09 j 22:51	23°♏37'19	
	-9720 Oct 14 j 15:00	0°♐	
	-9720 Dec 18 j 20:11	0°♑	
asc. node	-9719 Jan 10 j 23:35	12°♑55'19	
	-9719 Feb 09 j 00:52	0°♒	
	-9719 Mar 29 j 06:03	0°♓	
	-9719 May 13 j 13:50	0°♈	
evening set	-9719 May 31 j 18:02	12°♈32'36	
max. Earth dist.	-9719 Jun 16 j 09:21	23°♈34'40	2.47882 AU
	-9719 Jun 25 j 08:27	0°♉	
conjunction	-9719 Jul 23 j 22:01	20°♉55'58	1°12'14
minimum elong	-9719 Jul 23 j 22:32	20°♉56'56	1°12'39

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9719 Aug 05 j 00:33	0°♊	
	-9719 Sep 13 j 05:31	0°♋	
morning rise	-9719 Sep 19 j 09:08	4°♋46'10	
	-9719 Oct 21 j 18:27	0°♌	
	-9719 Nov 29 j 11:58	0°♍	
desc. node	-9719 Dec 11 j 03:02	8°♍52'40	
	-9718 Jan 08 j 07:43	0°♎	
	-9718 Feb 19 j 05:22	0°♏	
	-9718 Apr 05 j 13:42	0°♐	
	-9718 May 28 j 07:37	0°♑	
retrograde	-9718 Jul 31 j 12:28	19°♑12'42	
min. Earth dist.	-9718 Sep 08 j 01:17	9°♑56'48	0.65932 AU
opposition	-9718 Sep 09 j 11:48	9°♑22'04	-2°58'37
greatest brilliancy	-9718 Sep 09 j 08:58	9°♑24'55	-1.4m
	-9718 Oct 14 j 02:37	30°℞♐	
direct	-9718 Oct 19 j 02:38	29°♐50'27	
	-9718 Oct 24 j 04:54	0°♑	
asc. node	-9718 Nov 29 j 04:21	8°♑19'12	
	-9717 Jan 15 j 11:26	0°♒	
	-9717 Mar 08 j 12:43	0°♓	
	-9717 Apr 24 j 00:57	0°♈	
	-9717 Jun 06 j 02:14	0°♉	
	-9717 Jul 16 j 15:58	0°♊	
evening set	-9717 Jul 24 j 08:01	5°♊49'47	
	-9717 Aug 24 j 15:10	0°♋	
conjunction	-9717 Sep 23 j 07:03	23°♋14'21	0°26'42
minimum elong	-9717 Sep 23 j 09:24	23°♋18'56	0°27'14
max. Earth dist.	-9717 Sep 23 j 17:52	23°♋35'34	2.38110 AU
	-9717 Oct 01 j 21:47	0°♌	
desc. node	-9717 Oct 28 j 22:02	21°♌06'35	
	-9717 Nov 09 j 09:37	0°♍	
morning rise	-9717 Nov 27 j 21:06	14°♍09'02	
	-9717 Dec 18 j 23:05	0°♎	
	-9716 Jan 29 j 08:13	0°♏	
	-9716 Mar 13 j 04:25	0°♐	
	-9716 Apr 29 j 08:24	0°♑	
	-9716 Jun 21 j 15:42	0°♒	
retrograde	-9716 Sep 03 j 19:24	23°♒21'18	
opposition	-9716 Oct 12 j 23:31	14°♒02'28	-0°08'04
greatest brilliancy	-9716 Oct 12 j 23:56	14°♒02'03	-1.4m
min. Earth dist.	-9716 Oct 15 j 06:28	13°♒07'48	0.65800 AU
asc. node	-9716 Oct 16 j 08:39	12°♒41'50	
direct	-9716 Nov 22 j 19:55	4°♒04'47	
	-9715 Feb 09 j 11:11	0°♓	
	-9715 Apr 01 j 06:17	0°♈	
	-9715 May 15 j 14:41	0°♉	
	-9715 Jun 25 j 14:52	0°♊	
	-9715 Aug 03 j 17:37	0°♋	
	-9715 Sep 11 j 02:11	0°♌	
desc. node	-9715 Sep 14 j 18:04	2°♌51'56	
evening set	-9715 Sep 26 j 12:11	12°♌02'49	
	-9715 Oct 19 j 16:22	0°♍	
conjunction	-9715 Nov 27 j 19:37	29°♍35'49	-0°50'08
minimum elong	-9715 Nov 27 j 16:36	29°♍30'13	0°50'01
	-9715 Nov 28 j 08:40	0°♎	
	-9714 Jan 08 j 18:52	0°♏	
max. Earth dist.	-9714 Jan 10 j 00:51	0°♏52'55	2.48327 AU
morning rise	-9714 Jan 26 j 15:46	12°♏29'51	
	-9714 Feb 21 j 08:12	0°♐	
	-9714 Apr 08 j 04:51	0°♑	
	-9714 May 26 j 15:43	0°♒	
	-9714 Jul 18 j 12:55	0°♓	
asc. node	-9714 Sep 03 j 09:19	21°♓19'09	
retrograde	-9714 Oct 12 j 23:58	29°♓19'05	
opposition	-9714 Nov 19 j 07:33	20°♓57'38	3°07'42
greatest brilliancy	-9714 Nov 19 j 21:20	20°♓44'28	-1.7m
min. Earth dist.	-9714 Nov 25 j 05:10	18°♓42'31	0.59597 AU
direct	-9714 Dec 29 j 21:04	11°♓10'26	
	-9713 Mar 02 j 01:52	0°♈	
	-9713 Apr 21 j 13:32	0°♉	
	-9713 Jun 03 j 11:45	0°♊	
	-9713 Jul 13 j 12:05	0°♋	
desc. node	-9713 Aug 02 j 18:03	15°♋33'18	
	-9713 Aug 21 j 11:05	0°♌	
	-9713 Sep 29 j 13:45	0°♍	
	-9713 Nov 08 j 17:48	0°♎	
evening set	-9713 Nov 26 j 22:37	13°♎12'45	
	-9713 Dec 20 j 14:09	0°♏	
conjunction	-9712 Jan 21 j 05:21	21°♏48'18	-1°12'56
minimum elong	-9712 Jan 21 j 05:41	21°♏48'52	1°13'20
	-9712 Feb 02 j 09:00	0°♐	
max. Earth dist.	-9712 Feb 15 j 11:22	8°♐43'42	2.59249 AU
morning rise	-9712 Mar 13 j 08:14	26°♐20'23	
	-9712 Mar 18 j 23:56	0°♑	
	-9712 May 05 j 02:38	0°♒	
	-9712 Jun 22 j 13:18	0°♓	
asc. node	-9712 Jul 21 j 05:59	17°♓14'48	
	-9712 Aug 12 j 04:37	0°♈	
	-9712 Oct 09 j 14:01	0°♉	
retrograde	-9712 Dec 01 j 15:22	13°♉24'03	
opposition	-9711 Jan 04 j 15:20	6°♉38'29	6°09'00
greatest brilliancy	-9711 Jan 06 j 07:45	6°♉04'09	-2.2m
min. Earth dist.	-9711 Jan 12 j 20:41	3°♉51'27	0.48345 AU
	-9711 Jan 26 j 17:47	30°℞♈	
direct	-9711 Feb 11 j 05:17	28°♈21'46	
	-9711 Feb 26 j 21:46	0°♉	
	-9711 May 03 j 10:25	0°♊	
	-9711 Jun 16 j 22:06	0°♋	
desc. node	-9711 Jun 19 j 21:48	2°♋07'56	
	-9711 Jul 28 j 03:10	0°♌	
	-9711 Sep 06 j 19:33	0°♍	
	-9711 Oct 18 j 05:19	0°♎	
	-9711 Nov 30 j 01:13	0°♏	
evening set	-9710 Jan 13 j 21:09	0°♐13'56	
	-9710 Jan 13 j 12:45	0°♐	
	-9710 Feb 28 j 10:59	0°♑	
conjunction	-9710 Mar 05 j 00:36	2°♑56'45	-0°50'18
minimum elong	-9710 Mar 05 j 02:10	2°♑59'17	0°50'53
max. Earth dist.	-9710 Mar 13 j 01:55	8°♑07'45	2.65441 AU
	-9710 Apr 16 j 06:14	0°♒	
morning rise	-9710 Apr 21 j 21:46	3°♒36'06	
	-9710 Jun 02 j 07:11	0°♓	
asc. node	-9710 Jun 07 j 23:21	3°♓37'21	
	-9710 Jul 19 j 05:12	0°♈	
	-9710 Sep 04 j 05:10	0°♉	
	-9710 Oct 22 j 10:16	0°♊	
	-9710 Dec 15 j 04:58	0°♋	
retrograde	-9709 Feb 12 j 04:15	17°♋07'25	
opposition	-9709 Mar 14 j 19:33	12°♋00'11	4°05'41
greatest brilliancy	-9709 Mar 15 j 07:37	11°♋52'05	-2.9m
min. Earth dist.	-9709 Mar 16 j 22:14	11°♋26'04	0.38504 AU
direct	-9709 Apr 14 j 22:29	6°♋41'14	
desc. node	-9709 May 08 j 02:30	10°♋04'10	
	-9709 Jun 22 j 04:41	0°♌	
	-9709 Aug 10 j 04:37	0°♍	
	-9709 Sep 24 j 17:06	0°♎	
	-9709 Nov 09 j 00:43	0°♏	
	-9709 Dec 25 j 01:28	0°♐	
	-9708 Feb 09 j 20:40	0°♑	
evening set	-9708 Feb 24 j 06:57	9°♑11'44	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9708 Mar 27 j 22:12	0°♒	
max. Earth dist.	-9708 Apr 05 j 16:21	5°♒35'56	2.66306 AU
conjunction	-9708 Apr 12 j 04:59	9°♒46'53	-0°07'19
minimum elong	-9708 Apr 12 j 05:16	9°♒47'21	0°07'48
behind sun begin	-9708 Apr 11 j 12:00	9°♒19'41	
behind sun end	-9708 Apr 12 j 22:32	10°♒15'02	
asc. node	-9708 Apr 24 j 16:23	17°♒47'59	
	-9708 May 13 j 13:03	0°♓	
morning rise	-9708 May 28 j 15:46	9°♓51'23	
	-9708 Jun 28 j 03:20	0°♈	
	-9708 Aug 11 j 11:29	0°♉	
	-9708 Sep 23 j 16:59	0°♊	
	-9708 Nov 05 j 06:02	0°♋	
	-9708 Dec 18 j 00:03	0°♌	
	-9707 Feb 01 j 06:29	0°♍	
desc. node	-9707 Mar 25 j 04:57	26°♍27'23	
	-9707 Apr 06 j 18:45	0°♎	
retrograde	-9707 Apr 23 j 00:08	1°♎47'38	
	-9707 May 08 j 20:56	30°℞♍	
min. Earth dist.	-9707 May 20 j 12:14	26°♍48'24	0.43858 AU
greatest brilliancy	-9707 May 27 j 01:55	24°♍39'34	-2.5m
opposition	-9707 May 28 j 07:09	24°♍15'27	-4°07'22
direct	-9707 Jun 29 j 07:17	18°♍03'09	
	-9707 Aug 16 j 05:55	0°♎	
	-9707 Oct 13 j 02:31	0°♏	
	-9707 Dec 02 j 13:32	0°♐	
	-9706 Jan 20 j 10:26	0°♑	
	-9706 Mar 09 j 09:50	0°♒	
asc. node	-9706 Mar 12 j 12:30	1°♒58'04	
evening set	-9706 Apr 03 j 11:34	15°♒58'04	
	-9706 Apr 25 j 04:11	0°♓	
max. Earth dist.	-9706 Apr 30 j 22:46	3°♓46'28	2.61844 AU
conjunction	-9706 May 21 j 12:58	17°♓23'11	0°39'33
minimum elong	-9706 May 21 j 11:33	17°♓20'50	0°39'21
	-9706 Jun 09 j 06:54	0°♈	
morning rise	-9706 Jul 08 j 08:53	20°♈01'29	
	-9706 Jul 22 j 13:18	0°♉	
	-9706 Sep 02 j 03:25	0°♊	
	-9706 Oct 12 j 11:32	0°♋	
	-9706 Nov 21 j 05:31	0°♌	
	-9706 Dec 31 j 07:25	0°♍	
desc. node	-9705 Feb 10 j 05:02	29°♍20'50	
	-9705 Feb 11 j 03:43	0°♎	
	-9705 Mar 30 j 01:23	0°♏	
retrograde	-9705 Jun 10 j 13:48	25°♏42'32	
min. Earth dist.	-9705 Jul 13 j 00:41	18°♏39'26	0.56029 AU
greatest brilliancy	-9705 Jul 18 j 09:31	16°♏35'09	-1.8m
opposition	-9705 Jul 19 j 14:26	16°♏07'13	-5°33'53
direct	-9705 Aug 24 j 12:23	8°♏01'33	
	-9705 Nov 03 j 23:19	0°♐	
	-9705 Dec 29 j 13:49	0°♑	
asc. node	-9704 Jan 28 j 13:03	17°♑38'18	
	-9704 Feb 17 j 21:39	0°♒	
	-9704 Apr 05 j 11:58	0°♓	
evening set	-9704 May 13 j 22:54	25°♓26'23	
	-9704 May 20 j 15:59	0°♈	
max. Earth dist.	-9704 May 31 j 04:36	7°♈13'45	2.52532 AU
	-9704 Jul 02 j 12:05	0°♉	
conjunction	-9704 Jul 03 j 22:12	1°♉01'19	1°10'59
minimum elong	-9704 Jul 03 j 21:16	0°♉59'39	1°11'12
	-9704 Aug 12 j 08:27	0°♊	
morning rise	-9704 Aug 26 j 12:10	10°♊40'29	
	-9704 Sep 20 j 18:46	0°♋	
	-9704 Oct 29 j 13:00	0°♌	
	-9704 Dec 07 j 11:36	0°♍	
desc. node	-9704 Dec 28 j 00:02	15°♍31'02	
	-9703 Jan 16 j 13:20	0°♎	
	-9703 Feb 27 j 22:42	0°♏	
	-9703 Apr 15 j 18:14	0°♐	
	-9703 Jun 16 j 13:23	0°♑	
retrograde	-9703 Jul 17 j 19:06	5°♑35'50	
	-9703 Aug 15 j 16:35	30°℞♐	
min. Earth dist.	-9703 Aug 23 j 20:59	26°♐50'23	0.64287 AU
opposition	-9703 Aug 26 j 18:55	25°♐40'08	-3°55'04
greatest brilliancy	-9703 Aug 26 j 10:26	25°♐48'40	-1.5m
direct	-9703 Oct 04 j 14:21	16°♐26'07	
	-9703 Nov 27 j 12:28	0°♑	
asc. node	-9703 Dec 15 j 17:28	8°♑17'49	
	-9702 Jan 25 j 15:34	0°♒	
	-9702 Mar 16 j 15:45	0°♓	
	-9702 May 01 j 13:35	0°♈	
	-9702 Jun 13 j 10:55	0°♉	
evening set	-9702 Jul 01 j 23:12	13°♉30'22	
	-9702 Jul 24 j 00:45	0°♊	
max. Earth dist.	-9702 Jul 26 j 21:05	2°♊09'23	2.40664 AU
conjunction	-9702 Aug 28 j 17:52	27°♊25'17	0°53'11
minimum elong	-9702 Aug 28 j 20:52	27°♊31'07	0°53'43
	-9702 Sep 01 j 01:24	0°♋	
	-9702 Oct 09 j 09:35	0°♌	
morning rise	-9702 Oct 31 j 10:01	17°♌12'01	
desc. node	-9702 Nov 14 j 17:13	28°♌16'59	
	-9702 Nov 16 j 22:40	0°♍	
	-9702 Dec 26 j 13:12	0°♎	
	-9701 Feb 06 j 00:37	0°♏	
	-9701 Mar 22 j 04:55	0°♐	
	-9701 May 09 j 12:53	0°♑	
	-9701 Jul 07 j 19:32	0°♒	
retrograde	-9701 Aug 21 j 22:21	10°♒17'41	
opposition	-9701 Sep 30 j 13:00	0°♒43'39	-1°17'46
greatest brilliancy	-9701 Sep 30 j 14:21	0°♒42'17	-1.4m
min. Earth dist.	-9701 Oct 01 j 09:10	0°♒23'26	0.66578 AU
	-9701 Oct 02 j 08:35	30°℞♑	
asc. node	-9701 Nov 02 j 22:43	21°♑12'20	
direct	-9701 Nov 10 j 01:28	20°♑52'54	
	-9701 Dec 22 j 16:08	0°♒	
	-9700 Feb 21 j 12:34	0°♓	
	-9700 Apr 09 j 22:30	0°♈	
	-9700 May 23 j 14:36	0°♉	
	-9700 Jul 03 j 09:02	0°♊	
	-9700 Aug 11 j 09:13	0°♋	
evening set	-9700 Aug 31 j 09:42	15°♋40'04	
	-9700 Sep 18 j 15:50	0°♌	
desc. node	-9700 Oct 01 j 12:37	10°♌04'44	
	-9700 Oct 27 j 03:54	0°♍	
conjunction	-9700 Nov 02 j 19:23	5°♍06'41	-0°24'02
minimum elong	-9700 Nov 02 j 17:20	5°♍02'43	0°23'43
	-9700 Dec 05 j 17:48	0°♎	
max. Earth dist.	-9700 Dec 18 j 11:27	9°♎23'52	2.43347 AU
morning rise	-9699 Jan 04 j 23:50	22°♎05'51	
	-9699 Jan 16 j 02:02	0°♏	
	-9699 Feb 28 j 15:52	0°♐	
	-9699 Apr 15 j 19:44	0°♑	
	-9699 Jun 04 j 09:21	0°♒	
	-9699 Aug 01 j 00:39	0°♓	
asc. node	-9699 Sep 20 j 01:34	14°♓40'32	
retrograde	-9699 Sep 26 j 22:27	14°♓57'56	
opposition	-9699 Nov 04 j 02:48	6°♓10'34	1°49'38
greatest brilliancy	-9699 Nov 04 j 08:47	6°♓04'44	-1.5m
min. Earth dist.	-9699 Nov 08 j 15:28	4°♓24'38	0.62719 AU

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9699 Nov 21 j 01:27	30°R♒	
direct	-9699 Dec 15 j 00:25	26°♒13'17	
	-9698 Jan 09 j 15:28	0°♓	
	-9698 Mar 15 j 16:33	0°♈	
	-9698 May 01 j 10:51	0°♉	
	-9698 Jun 12 j 07:44	0°♊	
	-9698 Jul 21 j 20:31	0°♋	
desc. node	-9698 Aug 19 j 11:25	22°♋12'26	
	-9698 Aug 29 j 11:45	0°♌	
	-9698 Oct 07 j 07:45	0°♍	
evening set	-9698 Nov 04 j 13:10	21°♍20'01	
	-9698 Nov 16 j 05:29	0°♎	
	-9698 Dec 27 j 20:09	0°♏	
conjunction	-9697 Jan 01 j 16:23	3°♏24'03	-1°11'09
minimum elong	-9697 Jan 01 j 15:17	3°♏22'08	1°11'25
max. Earth dist.	-9697 Feb 03 j 06:47	25°♏49'56	2.55455 AU
	-9697 Feb 09 j 11:10	0°♐	
morning rise	-9697 Feb 25 j 09:46	10°♐37'38	
	-9697 Mar 27 j 02:04	0°♑	
	-9697 May 13 j 12:49	0°♒	
	-9697 Jul 02 j 01:50	0°♓	
asc. node	-9697 Aug 07 j 23:48	20°♓56'51	
	-9697 Aug 25 j 05:49	0°♈	
retrograde	-9697 Nov 10 j 19:55	24°♈49'50	
opposition	-9697 Dec 16 j 08:15	17°♈21'11	5°07'40
greatest brilliancy	-9697 Dec 17 j 14:51	16°♈53'33	-1.9m
min. Earth dist.	-9697 Dec 24 j 01:35	14°♈34'20	0.53161 AU
direct	-9696 Jan 24 j 13:21	8°♈14'50	
	-9696 Mar 30 j 06:44	0°♉	
	-9696 May 16 j 21:46	0°♊	
	-9696 Jun 27 j 15:17	0°♋	
desc. node	-9696 Jul 06 j 13:02	6°♋37'58	
	-9696 Aug 06 j 13:44	0°♌	
	-9696 Sep 15 j 09:59	0°♍	
	-9696 Oct 26 j 04:29	0°♎	
	-9696 Dec 07 j 12:29	0°♏	
evening set	-9696 Dec 27 j 02:02	13°♏27'07	
	-9695 Jan 20 j 15:31	0°♐	
conjunction	-9695 Feb 16 j 20:12	17°♐56'52	-1°02'37
minimum elong	-9695 Feb 16 j 21:43	17°♐59'19	1°03'09
max. Earth dist.	-9695 Mar 03 j 07:58	27°♐22'44	2.63641 AU
	-9695 Mar 07 j 09:09	0°♑	
morning rise	-9695 Apr 07 j 00:05	19°♑40'10	
	-9695 Apr 23 j 05:16	0°♒	
	-9695 Jun 09 j 15:31	0°♓	
asc. node	-9695 Jun 24 j 18:08	9°♓30'15	
	-9695 Jul 27 j 13:12	0°♈	
	-9695 Sep 14 j 19:03	0°♉	
	-9695 Nov 08 j 07:29	0°♊	
retrograde	-9694 Jan 12 j 01:46	19°♊16'33	
opposition	-9694 Feb 12 j 15:37	13°♊44'20	6°11'33
greatest brilliancy	-9694 Feb 14 j 02:45	13°♊18'35	-2.6m
min. Earth dist.	-9694 Feb 18 j 21:57	11°♊54'56	0.41208 AU
direct	-9694 Mar 18 j 04:27	7°♊22'28	
	-9694 May 23 j 01:25	0°♋	
desc. node	-9694 May 24 j 18:32	0°♋58'42	
	-9694 Jul 09 j 12:54	0°♌	
	-9694 Aug 22 j 01:49	0°♍	
	-9694 Oct 04 j 05:55	0°♎	
	-9694 Nov 17 j 06:02	0°♏	
	-9693 Jan 01 j 12:11	0°♐	
evening set	-9693 Feb 08 j 18:02	24°♐47'04	
	-9693 Feb 16 j 20:55	0°♑	
max. Earth dist.	-9693 Mar 28 j 04:43	25°♑09'36	2.66614 AU
conjunction	-9693 Mar 29 j 05:36	25°♑49'23	-0°25'14
minimum elong	-9693 Mar 29 j 06:34	25°♑50'55	0°25'47
	-9693 Apr 04 j 18:26	0°♒	
asc. node	-9693 May 12 j 10:20	24°♒09'30	
morning rise	-9693 May 14 j 22:15	25°♒46'03	
	-9693 May 21 j 11:33	0°♓	
	-9693 Jul 06 j 11:08	0°♈	
	-9693 Aug 20 j 13:30	0°♉	
	-9693 Oct 04 j 00:45	0°♊	
	-9693 Nov 17 j 13:11	0°♋	
	-9692 Jan 02 j 23:45	0°♌	
	-9692 Mar 02 j 22:27	0°♍	
retrograde	-9692 Mar 29 j 10:17	4°♍26'54	
desc. node	-9692 Apr 10 j 23:32	3°♍22'47	
	-9692 Apr 25 j 06:27	30°R♌	
min. Earth dist.	-9692 Apr 25 j 16:45	29°♌52'40	0.39882 AU
opposition	-9692 May 01 j 06:57	28°♌15'15	-1°32'26
greatest brilliancy	-9692 Apr 30 j 21:51	28°♌21'53	-2.8m
direct	-9692 May 31 j 20:46	22°♌51'18	
	-9692 Jul 06 j 07:38	0°♍	
	-9692 Sep 04 j 09:58	0°♎	
	-9692 Oct 24 j 00:11	0°♏	
	-9692 Dec 11 j 01:15	0°♐	
	-9691 Jan 27 j 21:05	0°♑	
	-9691 Mar 16 j 09:36	0°♒	
evening set	-9691 Mar 19 j 06:09	1°♒49'00	
asc. node	-9691 Mar 29 j 04:17	8°♒08'37	
max. Earth dist.	-9691 Apr 20 j 21:09	22°♒44'31	2.64205 AU
	-9691 May 02 j 01:20	0°♓	
conjunction	-9691 May 05 j 23:42	2°♓34'01	0°21'59
minimum elong	-9691 May 05 j 22:52	2°♓32'40	0°21'39
	-9691 Jun 16 j 07:13	0°♈	
morning rise	-9691 Jun 21 j 21:08	3°♈46'34	
	-9691 Jul 29 j 21:36	0°♉	
	-9691 Sep 09 j 23:32	0°♊	
	-9691 Oct 20 j 22:36	0°♋	
	-9691 Nov 30 j 10:22	0°♌	
	-9690 Jan 10 j 12:39	0°♍	
	-9690 Feb 23 j 09:33	0°♎	
desc. node	-9690 Feb 26 j 23:15	2°♎16'26	
	-9690 Apr 20 j 07:57	0°♏	
retrograde	-9690 May 24 j 10:12	7°♏11'17	
min. Earth dist.	-9690 Jun 23 j 19:01	0°♏57'41	0.51438 AU
	-9690 Jun 26 j 09:56	30°R♎	
greatest brilliancy	-9690 Jun 29 j 23:51	28°♎40'04	-2.1m
opposition	-9690 Jul 01 j 11:00	28°♎07'27	-5°36'38
direct	-9690 Aug 04 j 21:23	20°♎40'35	
	-9690 Sep 16 j 04:56	0°♏	
	-9690 Nov 16 j 11:48	0°♐	
	-9689 Jan 07 j 06:35	0°♑	
asc. node	-9689 Feb 14 j 03:33	23°♑01'05	
	-9689 Feb 25 j 09:46	0°♒	
	-9689 Apr 13 j 14:07	0°♓	
evening set	-9689 Apr 28 j 06:25	9°♓36'31	
max. Earth dist.	-9689 May 18 j 19:59	23°♓19'11	2.56691 AU
	-9689 May 28 j 16:34	0°♈	
conjunction	-9689 Jun 16 j 16:37	13°♈05'24	1°02'21
minimum elong	-9689 Jun 16 j 15:01	13°♈02'37	1°02'24
	-9689 Jul 10 j 15:48	0°♉	
morning rise	-9689 Aug 06 j 08:19	19°♉21'02	
	-9689 Aug 20 j 17:49	0°♊	
	-9689 Sep 29 j 10:57	0°♋	
	-9689 Nov 07 j 12:03	0°♌	
	-9689 Dec 16 j 17:46	0°♍	
desc. node	-9688 Jan 14 j 19:25	21°♍41'19	

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	-9688 Jan 26 j 05:19	0°♎	
	-9688 Mar 09 j 11:41	0°♏	
	-9688 Apr 28 j 08:38	0°♐	
retrograde	-9688 Jul 03 j 15:20	21°♐13'54	
min. Earth dist.	-9688 Aug 08 j 01:35	13°♐03'54	0.61736 AU
opposition	-9688 Aug 12 j 10:53	11°♐19'01	-4°43'36
greatest brilliancy	-9688 Aug 11 j 19:01	11°♐34'49	-1.6m
direct	-9688 Sep 19 j 06:41	2°♐27'11	
	-9688 Dec 11 j 14:57	0°♑	
asc. node	-9687 Jan 01 j 07:01	10°♑59'13	
	-9687 Feb 03 j 13:29	0°♒	
	-9687 Mar 24 j 08:02	0°♓	
	-9687 May 08 j 20:46	0°♈	
evening set	-9687 Jun 11 j 14:32	23°♈29'13	
	-9687 Jun 20 j 16:45	0°♉	
max. Earth dist.	-9687 Jun 28 j 00:36	5°♉18'09	2.45228 AU
	-9687 Jul 31 j 08:28	0°♊	
conjunction	-9687 Aug 05 j 05:58	3°♊42'01	1°08'36
minimum elong	-9687 Aug 05 j 07:32	3°♊44'59	1°09'05
	-9687 Sep 08 j 12:11	0°♋	
morning rise	-9687 Oct 04 j 01:02	19°♋53'53	
	-9687 Oct 16 j 23:15	0°♌	
	-9687 Nov 24 j 14:39	0°♍	
desc. node	-9687 Dec 01 j 13:46	5°♍20'18	
	-9686 Jan 03 j 07:29	0°♎	
	-9686 Feb 13 j 23:23	0°♏	
	-9686 Mar 30 j 17:29	0°♐	
	-9686 May 20 j 04:01	0°♑	
retrograde	-9686 Aug 08 j 07:53	27°♑14'11	
opposition	-9686 Sep 17 j 05:26	17°♑28'26	-2°23'01
greatest brilliancy	-9686 Sep 17 j 04:50	17°♑29'02	-1.4m
min. Earth dist.	-9686 Sep 16 j 14:41	17°♑43'16	0.66421 AU
direct	-9686 Oct 27 j 05:25	7°♑48'43	
asc. node	-9686 Nov 19 j 12:24	10°♑50'51	
	-9685 Jan 07 j 19:26	0°♒	
	-9685 Mar 02 j 22:12	0°♓	
	-9685 Apr 19 j 00:17	0°♈	
	-9685 Jun 01 j 06:31	0°♉	
	-9685 Jul 11 j 21:57	0°♊	
evening set	-9685 Aug 07 j 00:54	20°♊00'28	
	-9685 Aug 19 j 21:31	0°♋	
	-9685 Sep 27 j 03:53	0°♌	
conjunction	-9685 Oct 08 j 09:19	8°♌48'01	0°08'21
minimum elong	-9685 Oct 08 j 10:09	8°♌49'37	0°08'51
behind sun begin	-9685 Oct 07 j 10:46	8°♌03'54	
behind sun end	-9685 Oct 09 j 09:32	9°♌35'20	
desc. node	-9685 Oct 19 j 07:07	17°♌19'15	
	-9685 Nov 04 j 15:24	0°♍	
max. Earth dist.	-9685 Nov 09 j 03:18	3°♍27'46	2.39066 AU
morning rise	-9685 Dec 12 j 18:02	28°♍56'03	
	-9685 Dec 14 j 04:23	0°♎	
	-9684 Jan 24 j 12:03	0°♏	
	-9684 Mar 08 j 04:20	0°♐	
	-9684 Apr 23 j 20:08	0°♑	
	-9684 Jun 14 j 06:32	0°♒	
	-9684 Aug 27 j 20:08	0°♓	
retrograde	-9684 Sep 11 j 23:49	1°♓21'35	
	-9684 Sep 26 j 10:15	30°♓℞	
asc. node	-9684 Oct 06 j 16:20	27°♒24'11	
opposition	-9684 Oct 20 j 21:01	22°♒12'48	0°34'06
greatest brilliancy	-9684 Oct 20 j 22:15	22°♒11'35	-1.5m
min. Earth dist.	-9684 Oct 23 j 23:28	20°♒59'11	0.64974 AU
direct	-9684 Nov 30 j 19:55	12°♒13'22	
	-9683 Jan 31 j 20:51	0°♓	
	-9683 Mar 26 j 07:16	0°♈	

	-9683 May 10 j 08:07	0°♉	
	-9683 Jun 20 j 14:34	0°♊	
	-9683 Jul 29 j 20:18	0°♋	
desc. node	-9683 Sep 05 j 04:32	29°♋09'26	
	-9683 Sep 06 j 06:24	0°♌	
evening set	-9683 Oct 11 j 02:29	27°♌04'36	
	-9683 Oct 14 j 21:42	0°♍	
	-9683 Nov 23 j 14:56	0°♎	
conjunction	-9683 Dec 11 j 03:17	12°♎51'06	-1°00'40
minimum elong	-9683 Dec 11 j 00:41	12°♎46'24	1°00'42
	-9682 Jan 04 j 01:35	0°♏	
max. Earth dist.	-9682 Jan 19 j 22:33	11°♏06'43	2.51024 AU
morning rise	-9682 Feb 07 j 00:54	23°♏32'13	
	-9682 Feb 16 j 14:26	0°♐	
	-9682 Apr 03 j 07:28	0°♑	
	-9682 May 21 j 06:54	0°♒	
	-9682 Jul 11 j 13:33	0°♓	
asc. node	-9682 Aug 24 j 16:12	22°♓28'30	
	-9682 Sep 12 j 01:43	0°♈	
retrograde	-9682 Oct 22 j 20:53	8°♈25'52	
opposition	-9682 Nov 28 j 15:06	0°♈21'20	3°52'28
greatest brilliancy	-9682 Nov 29 j 10:30	0°♈03'06	-1.7m
	-9682 Nov 29 j 13:48	30°♓℞	
min. Earth dist.	-9682 Dec 05 j 06:05	27°♓52'09	0.57526 AU
direct	-9681 Jan 07 j 20:36	20°♓44'28	
	-9681 Feb 17 j 18:08	0°♈	
	-9681 Apr 14 j 13:34	0°♉	
	-9681 May 28 j 14:11	0°♊	
	-9681 Jul 08 j 01:44	0°♋	
desc. node	-9681 Jul 24 j 06:42	12°♋20'53	
	-9681 Aug 16 j 07:03	0°♌	
	-9681 Sep 24 j 14:14	0°♍	
	-9681 Nov 03 j 21:49	0°♎	
evening set	-9681 Dec 08 j 18:23	25°♎01'07	
	-9681 Dec 15 j 20:39	0°♏	
	-9680 Jan 28 j 17:08	0°♐	
conjunction	-9680 Jan 31 j 16:08	1°♐58'46	-1°10'43
minimum elong	-9680 Jan 31 j 17:05	2°♐00'20	1°11'10
max. Earth dist.	-9680 Feb 22 j 01:05	16°♐07'56	2.61025 AU
	-9680 Mar 14 j 07:49	0°♑	
morning rise	-9680 Mar 22 j 14:22	5°♑20'17	
	-9680 Apr 30 j 07:02	0°♒	
	-9680 Jun 17 j 06:51	0°♓	
asc. node	-9680 Jul 11 j 11:19	14°♓50'47	
	-9680 Aug 05 j 15:55	0°♈	
	-9680 Sep 28 j 02:20	0°♉	
retrograde	-9680 Dec 15 j 12:59	25°♉37'25	
opposition	-9679 Jan 17 j 14:58	19°♉18'13	6°28'40
greatest brilliancy	-9679 Jan 19 j 09:39	18°♉43'29	-2.3m
min. Earth dist.	-9679 Jan 25 j 14:54	16°♉42'56	0.45634 AU
direct	-9679 Feb 22 j 22:30	11°♉38'26	
	-9679 Apr 22 j 00:16	0°♊	
	-9679 Jun 09 j 05:24	0°♋	
desc. node	-9679 Jun 10 j 10:23	0°♋49'25	
	-9679 Jul 21 j 17:09	0°♌	
	-9679 Sep 01 j 02:19	0°♍	
	-9679 Oct 12 j 23:19	0°♎	
	-9679 Nov 25 j 02:40	0°♏	
	-9678 Jan 08 j 19:09	0°♐	
evening set	-9678 Jan 23 j 13:20	9°♐42'02	
	-9678 Feb 23 j 19:52	0°♑	
conjunction	-9678 Mar 14 j 00:10	11°♑41'10	-0°41'44
minimum elong	-9678 Mar 14 j 01:36	11°♑43'28	0°42'18
max. Earth dist.	-9678 Mar 18 j 17:34	14°♑42'52	2.66079 AU

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	-9678 Apr 11 j 15:11	0°♒	
morning rise	-9678 Apr 30 j 08:39	11°♒57'53	
	-9678 May 28 j 12:42	0°♓	
asc. node	-9678 May 29 j 04:05	0°♓24'40	
	-9678 Jul 14 j 01:21	0°♈	
	-9678 Aug 29 j 05:43	0°♉	
	-9678 Oct 14 j 16:23	0°♊	
	-9678 Dec 02 j 05:16	0°♋	
	-9677 Feb 02 j 10:44	0°♌	
retrograde	-9677 Mar 01 j 14:37	4°♌27'11	
	-9677 Mar 29 j 16:39	30°℞♋	
opposition	-9677 Apr 01 j 15:51	29°♋12'06	2°08'13
min. Earth dist.	-9677 Mar 31 j 17:45	29°♋27'00	0.38153 AU
greatest brilliancy	-9677 Apr 01 j 17:01	29°♋11'19	-2.9m
desc. node	-9677 Apr 28 j 14:44	24°♋11'17	
direct	-9677 May 02 j 00:46	24°♋06'38	
	-9677 Jun 02 j 11:16	0°♌	
	-9677 Aug 01 j 02:53	0°♍	
	-9677 Sep 18 j 00:57	0°♎	
	-9677 Nov 03 j 10:04	0°♏	
	-9677 Dec 20 j 00:22	0°♐	
	-9676 Feb 05 j 02:36	0°♑	
evening set	-9676 Mar 04 j 02:00	17°♑45'47	
	-9676 Mar 23 j 07:19	0°♒	
max. Earth dist.	-9676 Apr 11 j 06:12	12°♒07'34	2.65775 AU
asc. node	-9676 Apr 14 j 21:33	14°♒27'53	
conjunction	-9676 Apr 20 j 20:15	18°♒17'35	0°03'32
minimum elong	-9676 Apr 20 j 20:09	18°♒17'26	0°03'05
behind sun begin	-9676 Apr 20 j 00:53	17°♒46'24	
behind sun end	-9676 Apr 21 j 15:26	18°♒48'29	
	-9676 May 08 j 22:14	0°♓	
morning rise	-9676 Jun 06 j 08:01	18°♓38'26	
	-9676 Jun 23 j 09:15	0°♈	
	-9676 Aug 06 j 10:40	0°♉	
	-9676 Sep 18 j 05:03	0°♊	
	-9676 Oct 30 j 01:59	0°♋	
	-9676 Dec 10 j 18:34	0°♌	
	-9675 Jan 22 j 19:58	0°♍	
	-9675 Mar 13 j 07:53	0°♎	
desc. node	-9675 Mar 15 j 17:31	1°♎12'54	
retrograde	-9675 May 05 j 03:54	15°♎50'43	
min. Earth dist.	-9675 Jun 02 j 12:58	10°♎27'28	0.46488 AU
greatest brilliancy	-9675 Jun 09 j 04:25	8°♎09'54	-2.3m
opposition	-9675 Jun 10 j 15:18	7°♎39'36	-4°57'50
direct	-9675 Jul 13 j 11:03	0°♎59'28	
	-9675 Oct 04 j 21:30	0°♏	
	-9675 Nov 26 j 15:08	0°♐	
	-9674 Jan 15 j 07:40	0°♑	
asc. node	-9674 Mar 02 j 18:50	28°♑49'31	
	-9674 Mar 04 j 15:40	0°♒	
evening set	-9674 Apr 12 j 08:57	24°♒41'14	
	-9674 Apr 20 j 13:24	0°♓	
max. Earth dist.	-9674 May 07 j 04:39	10°♓54'59	2.60191 AU
conjunction	-9674 May 30 j 19:11	26°♓41'58	0°48'49
minimum elong	-9674 May 30 j 17:34	26°♓39'14	0°48'43
	-9674 Jun 04 j 16:00	0°♈	
	-9674 Jul 17 j 19:57	0°♉	
morning rise	-9674 Jul 18 j 10:28	0°♉25'48	
	-9674 Aug 28 j 05:29	0°♊	
	-9674 Oct 07 j 07:53	0°♋	
	-9674 Nov 15 j 18:56	0°♌	
	-9674 Dec 25 j 11:49	0°♍	
desc. node	-9673 Jan 31 j 14:45	27°♍07'15	
	-9673 Feb 04 j 16:18	0°♎	
	-9673 Mar 21 j 15:31	0°♏	
	-9673 May 19 j 23:47	0°♐	
retrograde	-9673 Jun 19 j 16:02	5°♐41'32	
	-9673 Jul 18 j 11:56	30°℞♏	
min. Earth dist.	-9673 Jul 23 j 05:26	28°♏13'05	0.58286 AU
greatest brilliancy	-9673 Jul 28 j 01:02	26°♏19'58	-1.7m
opposition	-9673 Jul 29 j 01:16	25°♏56'13	-5°20'35
direct	-9673 Sep 03 j 17:05	17°♏32'17	
	-9673 Oct 24 j 11:22	0°♐	
	-9673 Dec 23 j 09:31	0°♑	
asc. node	-9672 Jan 18 j 21:12	15°♑09'55	
	-9672 Feb 12 j 17:57	0°♒	
	-9672 Mar 31 j 17:32	0°♓	
	-9672 May 16 j 00:46	0°♈	
evening set	-9672 May 23 j 22:34	5°♈24'50	
max. Earth dist.	-9672 Jun 08 j 22:16	16°♈31'49	2.50005 AU
	-9672 Jun 27 j 21:14	0°♉	
conjunction	-9672 Jul 15 j 01:04	12°♉27'39	1°12'46
minimum elong	-9672 Jul 15 j 00:53	12°♉27'19	1°13'06
	-9672 Aug 07 j 15:58	0°♊	
morning rise	-9672 Sep 08 j 16:23	24°♊22'03	
	-9672 Sep 15 j 23:44	0°♋	
	-9672 Oct 24 j 14:51	0°♌	
	-9672 Dec 02 j 09:55	0°♍	
desc. node	-9672 Dec 18 j 08:53	12°♍08'30	
	-9671 Jan 11 j 07:07	0°♎	
	-9671 Feb 22 j 07:29	0°♏	
	-9671 Apr 09 j 02:02	0°♐	
	-9671 Jun 03 j 01:35	0°♑	
retrograde	-9671 Jul 25 j 17:53	13°♑54'59	
min. Earth dist.	-9671 Sep 01 j 16:06	4°♑51'50	0.65321 AU
opposition	-9671 Sep 03 j 18:04	4°♑01'35	-3°23'04
greatest brilliancy	-9671 Sep 03 j 13:02	4°♑06'38	-1.4m
	-9671 Sep 14 j 04:39	30°℞♐	
direct	-9671 Oct 13 j 00:50	24°♐37'07	
	-9671 Nov 13 j 20:22	0°♑	
asc. node	-9671 Dec 06 j 01:45	8°♑13'04	
	-9670 Jan 19 j 06:05	0°♒	
	-9670 Mar 11 j 09:56	0°♓	
	-9670 Apr 26 j 17:03	0°♈	
	-9670 Jun 08 j 17:58	0°♉	
evening set	-9670 Jul 14 j 08:18	26°♉13'02	
	-9670 Jul 19 j 08:40	0°♊	
max. Earth dist.	-9670 Aug 21 j 14:35	25°♊30'43	2.38768 AU
	-9670 Aug 27 j 09:04	0°♋	
conjunction	-9670 Sep 11 j 22:25	12°♋09'30	0°39'22
minimum elong	-9670 Sep 12 j 01:23	12°♋15'19	0°39'54
	-9670 Oct 04 j 16:18	0°♌	
desc. node	-9670 Nov 05 j 04:08	24°♌35'18	
	-9670 Nov 12 j 04:01	0°♍	
morning rise	-9670 Nov 16 j 00:47	2°♍58'42	
	-9670 Dec 21 j 16:54	0°♎	
	-9669 Feb 01 j 01:21	0°♏	
	-9669 Mar 16 j 22:53	0°♐	
	-9669 May 03 j 10:43	0°♑	
	-9669 Jun 27 j 10:04	0°♒	
retrograde	-9669 Aug 29 j 20:47	18°♒13'09	
opposition	-9669 Oct 08 j 06:35	8°♒47'08	-0°37'43
greatest brilliancy	-9669 Oct 08 j 07:46	8°♒45'57	-1.4m
min. Earth dist.	-9669 Oct 09 j 22:23	8°♒07'25	0.66274 AU
asc. node	-9669 Oct 24 j 06:18	2°♒50'49	
	-9669 Nov 04 j 19:03	30°℞♑	
direct	-9669 Nov 18 j 00:28	28°♑51'49	
	-9669 Dec 01 j 20:14	0°♒	
	-9668 Feb 14 j 17:44	0°♓	
	-9668 Apr 04 j 11:07	0°♈	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9668 May 18 j 13:34	0°♉	
	-9668 Jun 28 j 12:03	0°♊	
	-9668 Aug 06 j 14:15	0°♋	
	-9668 Sep 13 j 21:54	0°♌	
evening set	-9668 Sep 15 j 02:50	0°♌56'43	
desc. node	-9668 Sep 21 j 23:41	6°♌19'31	
	-9668 Oct 22 j 10:33	0°♍	
conjunction	-9668 Nov 17 j 04:16	19°♍37'42	-0°39'56
minimum elong	-9668 Nov 17 j 01:22	19°♍32'14	0°39'43
	-9668 Dec 01 j 00:50	0°♎	
max. Earth dist.	-9667 Jan 01 j 11:30	22°♎57'27	2.46088 AU
	-9667 Jan 11 j 08:43	0°♏	
morning rise	-9667 Jan 17 j 14:19	4°♏23'53	
	-9667 Feb 23 j 20:40	0°♐	
	-9667 Apr 10 j 18:26	0°♑	
	-9667 May 29 j 13:44	0°♒	
	-9667 Jul 22 j 21:48	0°♓	
asc. node	-9667 Sep 10 j 07:57	19°♓51'19	
retrograde	-9667 Oct 05 j 22:35	23°♓29'14	
opposition	-9667 Nov 12 j 16:32	14°♓55'36	2°34'19
greatest brilliancy	-9667 Nov 13 j 02:37	14°♓45'53	-1.6m
min. Earth dist.	-9667 Nov 18 j 00:06	12°♓52'37	0.61112 AU
direct	-9667 Dec 23 j 11:18	5°♓02'30	
	-9666 Mar 07 j 19:07	0°♈	
	-9666 Apr 25 j 10:34	0°♉	
	-9666 Jun 06 j 21:24	0°♊	
	-9666 Jul 16 j 16:45	0°♋	
desc. node	-9666 Aug 09 j 22:43	18°♋43'15	
	-9666 Aug 24 j 11:56	0°♌	
	-9666 Oct 02 j 10:49	0°♍	
	-9666 Nov 11 j 11:03	0°♎	
evening set	-9666 Nov 17 j 12:31	4°♎26'47	
	-9666 Dec 23 j 03:32	0°♏	
conjunction	-9665 Jan 13 j 01:17	14°♏32'10	-1°13'05
minimum elong	-9665 Jan 13 j 01:04	14°♏31'48	1°13'26
	-9665 Feb 04 j 19:23	0°♐	
max. Earth dist.	-9665 Feb 10 j 13:09	3°♐50'46	2.57641 AU
morning rise	-9665 Mar 07 j 06:30	20°♐11'04	
	-9665 Mar 22 j 08:55	0°♑	
	-9665 May 08 j 13:53	0°♒	
	-9665 Jun 26 j 09:47	0°♓	
asc. node	-9665 Jul 29 j 05:20	19°♓19'34	
	-9665 Aug 17 j 05:20	0°♈	
	-9665 Oct 21 j 18:52	0°♉	
retrograde	-9665 Nov 22 j 19:28	5°♉28'48	
	-9665 Dec 22 j 18:25	30°℞♈	
opposition	-9665 Dec 27 j 12:01	28°♈23'00	5°44'57
greatest brilliancy	-9665 Dec 29 j 00:39	27°♈50'53	-2.1m
min. Earth dist.	-9664 Jan 04 j 14:12	25°♈33'20	0.50551 AU
direct	-9664 Feb 03 j 21:46	19°♈41'06	
	-9664 Mar 17 j 03:31	0°♉	
	-9664 May 09 j 06:19	0°♊	
	-9664 Jun 21 j 07:10	0°♋	
desc. node	-9664 Jun 27 j 02:09	4°♋13'18	
	-9664 Jul 31 j 20:39	0°♌	
	-9664 Sep 10 j 02:17	0°♍	
	-9664 Oct 21 j 03:43	0°♎	
	-9664 Dec 02 j 16:41	0°♏	
evening set	-9663 Jan 06 j 10:02	23°♏37'35	
	-9663 Jan 15 j 23:10	0°♐	
conjunction	-9663 Feb 26 j 05:24	27°♐03'46	-0°55'54
minimum elong	-9663 Feb 26 j 07:01	27°♐06'22	0°56'27
	-9663 Mar 02 j 18:19	0°♑	
max. Earth dist.	-9663 Mar 09 j 03:44	4°♑07'34	2.64737 AU
morning rise	-9663 Apr 15 j 15:06	28°♑07'57	
	-9663 Apr 18 j 13:24	0°♒	
	-9663 Jun 04 j 17:54	0°♓	
asc. node	-9663 Jun 14 j 23:04	6°♓29'05	
	-9663 Jul 22 j 01:11	0°♈	
	-9663 Sep 07 j 21:12	0°♉	
	-9663 Oct 28 j 01:39	0°♊	
	-9663 Dec 30 j 21:15	0°♋	
retrograde	-9662 Jan 29 j 09:42	4°♋55'08	
	-9662 Feb 28 j 03:34	30°℞♊	
opposition	-9662 Mar 01 j 05:59	29°♊41'48	5°15'01
greatest brilliancy	-9662 Mar 02 j 05:22	29°♊25'38	-2.8m
min. Earth dist.	-9662 Mar 05 j 12:33	28°♊31'02	0.39421 AU
direct	-9662 Apr 02 j 07:55	23°♊59'31	
	-9662 May 03 j 14:08	0°♋	
desc. node	-9662 May 15 j 07:12	4°♋42'42	
	-9662 Jun 30 j 05:27	0°♌	
	-9662 Aug 15 j 02:32	0°♍	
	-9662 Sep 28 j 09:10	0°♎	
	-9662 Nov 12 j 00:17	0°♏	
	-9662 Dec 27 j 15:18	0°♐	
	-9661 Feb 12 j 04:53	0°♑	
evening set	-9661 Feb 17 j 17:25	3°♑31'51	
	-9661 Mar 31 j 04:26	0°♒	
max. Earth dist.	-9661 Apr 02 j 17:03	1°♒36'53	2.66549 AU
conjunction	-9661 Apr 06 j 20:18	4°♒15'36	-0°14'58
minimum elong	-9661 Apr 06 j 20:53	4°♒16'33	0°15'28
behind sun begin	-9661 Apr 06 j 17:00	4°♒10'20	
behind sun end	-9661 Apr 07 j 00:47	4°♒22'46	
asc. node	-9661 May 02 j 15:41	20°♒49'31	
	-9661 May 16 j 20:27	0°♓	
morning rise	-9661 May 23 j 08:30	4°♓13'09	
	-9661 Jul 01 j 15:05	0°♈	
	-9661 Aug 15 j 07:18	0°♉	
	-9661 Sep 28 j 00:51	0°♊	
	-9661 Nov 10 j 07:46	0°♋	
	-9661 Dec 24 j 06:20	0°♌	
	-9660 Feb 10 j 13:11	0°♍	
desc. node	-9660 Apr 01 j 09:48	19°♍53'12	
retrograde	-9660 Apr 12 j 20:53	20°♍47'30	
min. Earth dist.	-9660 May 10 j 00:16	16°♍03'27	0.41894 AU
greatest brilliancy	-9660 May 16 j 04:52	14°♍08'01	-2.7m
opposition	-9660 May 17 j 02:38	13°♍50'58	-3°11'33
direct	-9660 Jun 17 j 10:53	8°♍01'34	
	-9660 Aug 25 j 04:41	0°♎	
	-9660 Oct 17 j 08:14	0°♏	
	-9660 Dec 05 j 14:14	0°♐	
	-9659 Jan 22 j 22:59	0°♑	
	-9659 Mar 11 j 17:35	0°♒	
asc. node	-9659 Mar 19 j 11:02	4°♒54'18	
evening set	-9659 Mar 27 j 23:24	10°♒19'54	
max. Earth dist.	-9659 Apr 26 j 18:20	29°♒32'16	2.63008 AU
	-9659 Apr 27 j 11:22	0°♓	
conjunction	-9659 May 14 j 19:50	11°♓23'02	0°32'18
minimum elong	-9659 May 14 j 18:39	11°♓21'04	0°32'02
	-9659 Jun 11 j 16:17	0°♈	
morning rise	-9659 Jul 01 j 03:45	13°♈17'52	
	-9659 Jul 25 j 03:08	0°♉	
	-9659 Sep 04 j 22:55	0°♊	
	-9659 Oct 15 j 13:41	0°♋	
	-9659 Nov 24 j 14:43	0°♌	
	-9658 Jan 04 j 00:57	0°♍	
	-9658 Feb 15 j 12:17	0°♎	
desc. node	-9658 Feb 17 j 10:20	1°♎17'30	
	-9658 Apr 05 j 13:06	0°♏	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

retrograde	-9658 Jun 03 j 11:33	18°♏28'44	
min. Earth dist.	-9658 Jul 04 j 23:45	11°♏47'36	0.54046 AU
greatest brilliancy	-9658 Jul 10 j 18:42	9°♏35'51	-1.9m
opposition	-9658 Jul 12 j 02:50	9°♏05'18	-5°39'11
direct	-9658 Aug 16 j 10:06	1°♏15'53	
	-9658 Nov 08 j 21:52	0°♐	
	-9657 Jan 01 j 15:27	0°♑	
asc. node	-9657 Feb 04 j 10:52	20°♑11'50	
	-9657 Feb 20 j 10:42	0°♒	
	-9657 Apr 08 j 21:26	0°♓	
evening set	-9657 May 07 j 16:48	18°♓57'02	
	-9657 May 24 j 01:45	0°♈	
max. Earth dist.	-9657 May 26 j 06:26	1°♈29'49	2.54470 AU
conjunction	-9657 Jun 26 j 21:16	23°♈29'45	1°08'01
minimum elong	-9657 Jun 26 j 19:58	23°♈27'27	1°08'11
	-9657 Jul 06 j 00:26	0°♉	
	-9657 Aug 16 j 00:07	0°♊	
morning rise	-9657 Aug 18 j 00:36	1°♊30'36	
	-9657 Sep 24 j 13:59	0°♋	
	-9657 Nov 02 j 11:19	0°♌	
	-9657 Dec 11 j 12:19	0°♍	
desc. node	-9656 Jan 05 j 06:21	18°♍37'49	
	-9656 Jan 20 j 16:50	0°♎	
	-9656 Mar 03 j 07:55	0°♏	
	-9656 Apr 20 j 00:18	0°♐	
	-9656 Jul 09 j 19:14	0°♑	
retrograde	-9656 Jul 11 j 21:16	0°♑01'44	
	-9656 Jul 13 j 23:00	30°℞♐	
min. Earth dist.	-9656 Aug 17 j 06:12	21°♐31'14	0.63253 AU
opposition	-9656 Aug 20 j 19:40	20°♐05'38	-4°16'38
greatest brilliancy	-9656 Aug 20 j 08:10	20°♐17'10	-1.5m
direct	-9656 Sep 28 j 04:56	11°♐00'48	
	-9656 Dec 03 j 05:41	0°♑	
asc. node	-9656 Dec 22 j 14:43	9°♑33'00	
	-9655 Jan 28 j 19:41	0°♒	
	-9655 Mar 19 j 07:39	0°♓	
	-9655 May 04 j 02:42	0°♈	
	-9655 Jun 16 j 00:46	0°♉	
evening set	-9655 Jun 22 j 22:20	4°♉59'21	
max. Earth dist.	-9655 Jul 12 j 12:26	19°♉23'18	2.42614 AU
	-9655 Jul 26 j 16:17	0°♊	
conjunction	-9655 Aug 18 j 05:54	17°♊12'26	1°01'18
minimum elong	-9655 Aug 18 j 08:24	17°♊17'16	1°01'49
	-9655 Sep 03 j 18:47	0°♋	
	-9655 Oct 12 j 04:19	0°♌	
morning rise	-9655 Oct 19 j 07:58	5°♌35'43	
	-9655 Nov 19 j 17:52	0°♍	
desc. node	-9655 Nov 21 j 23:28	1°♍43'10	
	-9655 Dec 29 j 08:25	0°♎	
	-9654 Feb 08 j 20:12	0°♏	
	-9654 Mar 25 j 03:39	0°♐	
	-9654 May 13 j 02:17	0°♑	
	-9654 Jul 16 j 11:58	0°♒	
retrograde	-9654 Aug 16 j 03:52	5°♒12'07	
	-9654 Sep 13 j 07:56	30°℞♑	
opposition	-9654 Sep 24 j 22:10	25°♑32'33	-1°45'33
greatest brilliancy	-9654 Sep 24 j 22:59	25°♑31'44	-1.4m
min. Earth dist.	-9654 Sep 25 j 03:08	25°♑27'34	0.66625 AU
direct	-9654 Nov 04 j 05:40	15°♑46'06	
asc. node	-9654 Nov 09 j 19:41	15°♑57'36	
	-9654 Dec 29 j 12:59	0°♒	
	-9653 Feb 24 j 23:26	0°♓	
	-9653 Apr 13 j 20:20	0°♈	
	-9653 May 27 j 09:34	0°♉	
	-9653 Jul 07 j 03:36	0°♊	
	-9653 Aug 15 j 04:02	0°♋	
evening set	-9653 Aug 21 j 04:27	4°♋41'50	
	-9653 Sep 22 j 10:31	0°♌	
desc. node	-9653 Oct 09 j 18:08	13°♌34'07	
conjunction	-9653 Oct 23 j 09:37	24°♌11'33	-0°10'24
minimum elong	-9653 Oct 23 j 08:40	24°♌09'44	0°09'59
behind sun begin	-9653 Oct 22 j 10:47	23°♌27'16	
behind sun end	-9653 Oct 24 j 06:34	24°♌52'10	
	-9653 Oct 30 j 21:40	0°♍	
max. Earth dist.	-9653 Dec 05 j 05:09	26°♍51'40	2.41225 AU
	-9653 Dec 09 j 10:07	0°♎	
morning rise	-9653 Dec 26 j 19:27	12°♎49'12	
	-9652 Jan 19 j 16:43	0°♏	
	-9652 Mar 03 j 05:49	0°♐	
	-9652 Apr 18 j 12:29	0°♑	
	-9652 Jun 07 j 16:04	0°♒	
	-9652 Aug 07 j 19:03	0°♓	
retrograde	-9652 Sep 20 j 11:08	9°♓32'13	
asc. node	-9652 Sep 26 j 23:13	9°♓15'58	
opposition	-9652 Oct 28 j 23:47	0°♓34'53	1°17'29
greatest brilliancy	-9652 Oct 29 j 03:22	0°♓31'22	-1.5m
	-9652 Oct 30 j 11:17	30°℞♒	
min. Earth dist.	-9652 Nov 01 j 21:41	29°♒02'44	0.63841 AU
direct	-9652 Dec 08 j 23:09	20°♒35'41	
	-9651 Jan 20 j 11:58	0°♓	
	-9651 Mar 19 j 19:28	0°♈	
	-9651 May 04 j 19:37	0°♉	
	-9651 Jun 15 j 10:50	0°♊	
	-9651 Jul 24 j 20:57	0°♋	
desc. node	-9651 Aug 26 j 16:13	25°♋31'34	
	-9651 Sep 01 j 09:52	0°♌	
	-9651 Oct 10 j 03:03	0°♍	
evening set	-9651 Oct 25 j 03:54	11°♍27'49	
	-9651 Nov 18 j 21:42	0°♎	
conjunction	-9651 Dec 23 j 15:25	25°♎13'06	-1°07'47
minimum elong	-9651 Dec 23 j 13:37	25°♎09'54	1°07'57
	-9651 Dec 30 j 09:15	0°♏	
max. Earth dist.	-9650 Jan 28 j 11:29	20°♏12'47	2.53539 AU
	-9650 Feb 11 j 21:48	0°♐	
morning rise	-9650 Feb 17 j 17:41	3°♐54'35	
	-9650 Mar 29 j 12:12	0°♑	
	-9650 May 16 j 02:47	0°♒	
	-9650 Jul 05 j 05:51	0°♓	
asc. node	-9650 Aug 14 j 22:29	22°♓16'06	
	-9650 Aug 30 j 18:26	0°♈	
retrograde	-9650 Nov 02 j 10:02	17°♈59'57	
opposition	-9650 Dec 08 j 12:00	10°♈14'31	4°36'09
greatest brilliancy	-9650 Dec 09 j 13:41	9°♈50'52	-1.8m
min. Earth dist.	-9650 Dec 15 j 18:40	7°♈33'54	0.55185 AU
direct	-9649 Jan 17 j 05:46	0°♈52'20	
	-9649 Apr 06 j 10:37	0°♉	
	-9649 May 22 j 05:09	0°♊	
	-9649 Jul 02 j 08:10	0°♋	
desc. node	-9649 Jul 14 j 17:29	9°♋19'32	
	-9649 Aug 10 j 22:21	0°♌	
	-9649 Sep 19 j 11:45	0°♍	
	-9649 Oct 30 j 00:12	0°♎	
	-9649 Dec 11 j 02:50	0°♏	
evening set	-9649 Dec 19 j 23:53	6°♏09'49	
	-9648 Jan 24 j 01:38	0°♐	
conjunction	-9648 Feb 10 j 15:27	11°♐40'20	-1°06'36
minimum elong	-9648 Feb 10 j 16:48	11°♐42'33	1°07'07
max. Earth dist.	-9648 Feb 28 j 05:35	23°♐11'59	2.62573 AU
	-9648 Mar 09 j 16:52	0°♑	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

morning rise	-9648 Mar 31 j 12:47	14°♉03'03	
	-9648 Apr 25 j 13:35	0°♒	
	-9648 Jun 12 j 04:52	0°♓	
asc. node	-9648 Jul 01 j 17:11	12°♓09'42	
	-9648 Jul 30 j 15:56	0°♈	
	-9648 Sep 19 j 07:56	0°♉	
	-9648 Nov 19 j 03:04	0°♊	
retrograde	-9648 Dec 30 j 12:28	8°♊53'13	
opposition	-9647 Jan 31 j 18:40	3°♊00'49	6°29'05
greatest brilliancy	-9647 Feb 02 j 11:21	2°♊29'28	-2.5m
min. Earth dist.	-9647 Feb 08 j 02:46	0°♊46'20	0.43055 AU
	-9647 Feb 10 j 18:33	30°℞♉	
direct	-9647 Mar 07 j 14:11	26°♉03'27	
	-9647 Apr 01 j 09:23	0°♊	
desc. node	-9647 May 31 j 22:21	0°♋34'35	
	-9647 May 31 j 00:31	0°♋	
	-9647 Jul 14 j 15:19	0°♌	
	-9647 Aug 26 j 00:43	0°♍	
	-9647 Oct 07 j 12:23	0°♎	
	-9647 Nov 20 j 01:35	0°♏	
	-9646 Jan 04 j 00:23	0°♐	
evening set	-9646 Feb 01 j 23:08	18°♐52'44	
	-9646 Feb 19 j 04:44	0°♑	
conjunction	-9646 Mar 22 j 19:40	20°♑16'13	-0°32'23
minimum elong	-9646 Mar 22 j 20:52	20°♑18'07	0°32'55
max. Earth dist.	-9646 Mar 24 j 06:27	21°♑11'49	2.66485 AU
	-9646 Apr 07 j 01:00	0°♒	
morning rise	-9646 May 08 j 17:57	20°♒17'59	
asc. node	-9646 May 19 j 09:30	27°♒08'37	
	-9646 May 23 j 19:57	0°♓	
	-9646 Jul 09 j 01:19	0°♈	
	-9646 Aug 23 j 14:29	0°♉	
	-9646 Oct 07 j 19:58	0°♊	
	-9646 Nov 22 j 17:11	0°♋	
	-9645 Jan 11 j 12:14	0°♌	
retrograde	-9645 Mar 18 j 08:43	21°♌53'43	
min. Earth dist.	-9645 Apr 15 j 11:36	17°♌15'37	0.38754 AU
opposition	-9645 Apr 19 j 05:28	16°♌13'18	-0°00'19
greatest brilliancy	-9645 Apr 19 j 05:32	16°♌13'15	-2.9m
desc. node	-9645 Apr 19 j 03:54	16°♌14'23	
direct	-9645 May 19 j 10:28	11°♌03'33	
	-9645 Jul 20 j 04:44	0°♍	
	-9645 Sep 10 j 15:00	0°♎	
	-9645 Oct 28 j 12:51	0°♏	
	-9645 Dec 14 j 20:18	0°♐	
	-9644 Jan 31 j 07:29	0°♑	
evening set	-9644 Mar 12 j 19:52	26°♑16'23	
	-9644 Mar 18 j 16:32	0°♒	
asc. node	-9644 Apr 05 j 02:55	11°♒08'00	
max. Earth dist.	-9644 Apr 16 j 21:44	18°♒42'17	2.65017 AU
conjunction	-9644 Apr 29 j 12:20	26°♒51'36	0°14'16
minimum elong	-9644 Apr 29 j 11:47	26°♒50'43	0°13'52
behind sun begin	-9644 Apr 29 j 02:06	26°♒35'01	
behind sun end	-9644 Apr 29 j 21:28	27°♒06'25	
	-9644 May 04 j 08:17	0°♓	
morning rise	-9644 Jun 15 j 03:40	27°♓36'30	
	-9644 Jun 18 j 17:07	0°♈	
	-9644 Aug 01 j 12:55	0°♉	
	-9644 Sep 12 j 22:20	0°♊	
	-9644 Oct 24 j 06:31	0°♋	
	-9644 Dec 04 j 05:25	0°♌	
	-9643 Jan 14 j 23:19	0°♍	
	-9643 Mar 01 j 09:07	0°♎	
desc. node	-9643 Mar 06 j 04:36	2°♎52'41	
retrograde	-9643 May 16 j 10:38	28°♎46'08	
min. Earth dist.	-9643 Jun 14 j 20:42	22°♎56'02	0.49233 AU
greatest brilliancy	-9643 Jun 21 j 08:33	20°♎35'59	-2.2m
opposition	-9643 Jun 22 j 20:51	20°♎03'12	-5°26'44
direct	-9643 Jul 26 j 14:26	12°♎56'24	
	-9643 Sep 24 j 17:55	0°♏	
	-9643 Nov 20 j 06:37	0°♐	
	-9642 Jan 10 j 01:22	0°♑	
asc. node	-9642 Feb 21 j 01:29	25°♑46'16	
	-9642 Feb 27 j 20:10	0°♒	
	-9642 Apr 15 j 22:15	0°♓	
evening set	-9642 Apr 21 j 10:03	3°♓34'38	
max. Earth dist.	-9642 May 13 j 20:04	18°♓22'57	2.58353 AU
	-9642 May 31 j 01:51	0°♈	
conjunction	-9642 Jun 09 j 07:39	6°♈19'00	0°57'04
minimum elong	-9642 Jun 09 j 05:59	6°♈16'08	0°57'03
	-9642 Jul 13 j 04:12	0°♉	
morning rise	-9642 Jul 28 j 22:46	11°♉19'42	
	-9642 Aug 23 j 10:19	0°♊	
	-9642 Oct 02 j 07:47	0°♋	
	-9642 Nov 10 j 13:08	0°♌	
	-9642 Dec 19 j 22:46	0°♍	
desc. node	-9641 Jan 22 j 01:12	24°♍31'15	
	-9641 Jan 29 j 15:28	0°♎	
	-9641 Mar 14 j 09:51	0°♏	
	-9641 May 05 j 12:45	0°♐	
retrograde	-9641 Jun 28 j 10:03	15°♐11'26	
min. Earth dist.	-9641 Aug 02 j 00:57	7°♐18'55	0.60299 AU
greatest brilliancy	-9641 Aug 06 j 06:00	5°♐38'55	-1.6m
opposition	-9641 Aug 07 j 01:25	5°♐19'39	-5°01'06
	-9641 Aug 21 j 22:43	30°℞♏	
direct	-9641 Sep 13 j 09:10	26°♏39'25	
	-9641 Oct 07 j 16:37	0°♐	
	-9641 Dec 16 j 15:44	0°♑	
asc. node	-9640 Jan 09 j 04:25	12°♑57'51	
	-9640 Feb 07 j 09:37	0°♒	
	-9640 Mar 26 j 20:34	0°♓	
	-9640 May 11 j 08:09	0°♈	
evening set	-9640 Jun 03 j 09:37	15°♈55'09	
max. Earth dist.	-9640 Jun 19 j 03:04	27°♈03'20	2.47392 AU
	-9640 Jun 23 j 05:39	0°♉	
conjunction	-9640 Jul 26 j 19:32	24°♉37'19	1°11'39
minimum elong	-9640 Jul 26 j 20:19	24°♉38'46	1°12'04
	-9640 Aug 02 j 23:44	0°♊	
	-9640 Sep 11 j 05:45	0°♋	
morning rise	-9640 Sep 22 j 16:29	8°♋52'52	
	-9640 Oct 19 j 18:43	0°♌	
	-9640 Nov 27 j 11:10	0°♍	
desc. node	-9640 Dec 08 j 19:56	8°♍41'42	
	-9639 Jan 06 j 04:38	0°♎	
	-9639 Feb 16 j 22:16	0°♏	
	-9639 Apr 02 j 22:49	0°♐	
	-9639 May 24 j 15:48	0°♑	
retrograde	-9639 Aug 02 j 14:29	22°♑03'42	
min. Earth dist.	-9639 Sep 10 j 07:36	12°♑44'19	0.66044 AU
opposition	-9639 Sep 11 j 13:39	12°♑14'04	-2°48'50
greatest brilliancy	-9639 Sep 11 j 11:24	12°♑16'20	-1.4m
direct	-9639 Oct 21 j 06:24	2°♑40'30	
asc. node	-9639 Nov 26 j 09:35	9°♑26'12	
	-9638 Jan 12 j 04:15	0°♒	
	-9638 Mar 05 j 22:38	0°♓	
	-9638 Apr 21 j 17:36	0°♈	
	-9638 Jun 03 j 22:45	0°♉	
	-9638 Jul 14 j 14:49	0°♊	
evening set	-9638 Jul 27 j 12:30	9°♊48'57	
	-9638 Aug 22 j 15:15	0°♋	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

conjunction	-9638 Sep 26 j 18:38	27°♋31'52	0°22'29
minimum elong	-9638 Sep 26 j 20:40	27°♋35'52	0°22'59
	-9638 Sep 29 j 22:08	0°♌	
max. Earth dist.	-9638 Oct 05 j 14:28	4°♌27'20	2.38152 AU
desc. node	-9638 Oct 26 j 13:23	20°♌49'48	
	-9638 Nov 07 j 09:18	0°♍	
morning rise	-9638 Dec 01 j 09:10	18°♍21'17	
	-9638 Dec 16 j 21:15	0°♎	
	-9637 Jan 27 j 03:56	0°♏	
	-9637 Mar 11 j 20:26	0°♐	
	-9637 Apr 27 j 17:46	0°♑	
	-9637 Jun 19 j 05:37	0°♒	
retrograde	-9637 Sep 06 j 22:00	26°♒09'59	
asc. node	-9637 Oct 14 j 14:08	17°♒28'11	
opposition	-9637 Oct 16 j 01:32	16°♒53'05	0°03'31
greatest brilliancy	-9637 Oct 16 j 01:42	16°♒52'56	-1.4m
min. Earth dist.	-9637 Oct 18 j 12:55	15°♒54'05	0.65677 AU
direct	-9637 Nov 25 j 23:02	6°♒54'41	
	-9636 Feb 07 j 01:10	0°♓	
	-9636 Mar 29 j 17:26	0°♈	
	-9636 May 13 j 09:15	0°♉	
	-9636 Jun 23 j 13:01	0°♊	
	-9636 Aug 01 j 17:27	0°♋	
	-9636 Sep 09 j 02:21	0°♌	
desc. node	-9636 Sep 12 j 09:32	2°♌34'58	
evening set	-9636 Sep 29 j 22:28	16°♌16'38	
	-9636 Oct 17 j 15:50	0°♍	
	-9636 Nov 26 j 06:40	0°♎	
conjunction	-9636 Dec 01 j 01:37	3°♎32'51	-0°53'00
minimum elong	-9636 Nov 30 j 22:39	3°♎27'23	0°52'56
	-9635 Jan 06 j 14:55	0°♏	
max. Earth dist.	-9635 Jan 12 j 15:57	4°♏15'54	2.48868 AU
morning rise	-9635 Jan 29 j 12:44	16°♏00'24	
	-9635 Feb 19 j 01:51	0°♐	
	-9635 Apr 05 j 19:27	0°♑	
	-9635 May 24 j 01:02	0°♒	
	-9635 Jul 15 j 07:18	0°♓	
asc. node	-9635 Aug 31 j 15:06	22°♓23'29	
	-9635 Sep 25 j 07:12	0°♈	
retrograde	-9635 Oct 15 j 09:48	2°♈18'22	
	-9635 Nov 03 j 08:20	30°♓	
opposition	-9635 Nov 21 j 15:11	24°♓00'07	3°19'06
greatest brilliancy	-9635 Nov 22 j 06:16	23°♓45'46	-1.7m
min. Earth dist.	-9635 Nov 27 j 16:46	21°♓41'37	0.59245 AU
direct	-9634 Jan 01 j 04:05	14°♓14'18	
	-9634 Feb 26 j 01:13	0°♈	
	-9634 Apr 18 j 22:19	0°♉	
	-9634 Jun 01 j 05:32	0°♊	
	-9634 Jul 11 j 09:36	0°♋	
desc. node	-9634 Jul 31 j 11:13	15°♋23'09	
	-9634 Aug 19 j 09:58	0°♌	
	-9634 Sep 27 j 12:33	0°♍	
	-9634 Nov 06 j 15:32	0°♎	
evening set	-9634 Nov 29 j 20:56	16°♎50'35	
	-9634 Dec 18 j 10:13	0°♏	
conjunction	-9633 Jan 23 j 21:49	25°♏07'52	-1°12'29
minimum elong	-9633 Jan 23 j 22:20	25°♏08'44	1°12'55
	-9633 Jan 31 j 03:12	0°♐	
max. Earth dist.	-9633 Feb 17 j 10:05	11°♐31'05	2.59609 AU
morning rise	-9633 Mar 16 j 18:52	29°♐25'19	
	-9633 Mar 17 j 16:18	0°♑	
	-9633 May 03 j 16:56	0°♒	
	-9633 Jun 20 j 23:59	0°♓	
asc. node	-9633 Jul 19 j 10:55	17°♓12'28	
	-9633 Aug 10 j 05:47	0°♈	
	-9633 Oct 05 j 19:42	0°♉	
retrograde	-9633 Dec 05 j 19:00	16°♉55'55	
opposition	-9632 Jan 08 j 14:25	10°♉15'03	6°14'06
greatest brilliancy	-9632 Jan 10 j 07:27	9°♉40'20	-2.2m
min. Earth dist.	-9632 Jan 16 j 18:37	7°♉30'01	0.47837 AU
direct	-9632 Feb 14 j 22:10	2°♉04'39	
	-9632 Apr 30 j 00:27	0°♊	
	-9632 Jun 14 j 07:29	0°♋	
desc. node	-9632 Jun 17 j 15:07	2°♋20'47	
	-9632 Jul 25 j 19:00	0°♌	
	-9632 Sep 04 j 13:55	0°♍	
	-9632 Oct 16 j 00:17	0°♎	
	-9632 Nov 27 j 19:41	0°♏	
	-9631 Jan 11 j 06:14	0°♐	
evening set	-9631 Jan 16 j 08:51	3°♐22'55	
	-9631 Feb 26 j 03:35	0°♑	
conjunction	-9631 Mar 07 j 09:00	5°♑56'59	-0°48'01
minimum elong	-9631 Mar 07 j 10:34	5°♑59'30	0°48'34
max. Earth dist.	-9631 Mar 14 j 21:14	10°♑46'36	2.65579 AU
	-9631 Apr 13 j 22:14	0°♒	
morning rise	-9631 Apr 24 j 03:28	6°♒31'11	
	-9631 May 30 j 22:33	0°♓	
asc. node	-9631 Jun 05 j 03:37	3°♓19'47	
	-9631 Jul 16 j 19:01	0°♈	
	-9631 Sep 01 j 14:44	0°♉	
	-9631 Oct 19 j 08:41	0°♊	
	-9631 Dec 10 j 09:40	0°♋	
retrograde	-9630 Feb 16 j 00:49	21°♋38'23	
opposition	-9630 Mar 18 j 18:15	16°♋31'08	3°40'52
greatest brilliancy	-9630 Mar 19 j 03:33	16°♋24'52	-2.9m
min. Earth dist.	-9630 Mar 20 j 06:38	16°♋06'38	0.38345 AU
direct	-9630 Apr 18 j 16:51	11°♋16'13	
desc. node	-9630 May 05 j 19:18	13°♋09'37	
	-9630 Jun 17 j 14:34	0°♌	
	-9630 Aug 07 j 03:48	0°♍	
	-9630 Sep 22 j 02:30	0°♎	
	-9630 Nov 06 j 13:59	0°♏	
	-9630 Dec 22 j 16:12	0°♐	
	-9629 Feb 07 j 12:02	0°♑	
evening set	-9629 Feb 26 j 14:20	12°♑09'41	
	-9629 Mar 26 j 14:11	0°♒	
max. Earth dist.	-9629 Apr 08 j 06:30	8°♒06'27	2.66224 AU
conjunction	-9629 Apr 15 j 11:22	12°♒43'36	-0°04'22
minimum elong	-9629 Apr 15 j 11:33	12°♒43'52	0°04'49
behind sun begin	-9629 Apr 14 j 16:43	12°♒13'42	
behind sun end	-9629 Apr 16 j 06:22	13°♒14'04	
asc. node	-9629 Apr 22 j 20:44	17°♒28'35	
	-9629 May 12 j 05:45	0°♓	
morning rise	-9629 May 31 j 21:56	12°♓50'19	
	-9629 Jun 26 j 20:41	0°♈	
	-9629 Aug 10 j 04:53	0°♉	
	-9629 Sep 22 j 09:22	0°♊	
	-9629 Nov 03 j 19:43	0°♋	
	-9629 Dec 16 j 07:38	0°♌	
	-9628 Jan 29 j 21:06	0°♍	
desc. node	-9628 Mar 22 j 22:22	28°♍32'59	
	-9628 Mar 26 j 19:28	0°♎	
retrograde	-9628 Apr 25 j 21:44	5°♎49'22	
min. Earth dist.	-9628 May 23 j 14:09	0°♎46'29	0.44317 AU
	-9628 May 25 j 23:08	30°♍	
greatest brilliancy	-9628 May 30 j 04:31	28°♍35'31	-2.5m
opposition	-9628 May 31 j 11:37	28°♍09'38	-4°22'05
direct	-9628 Jul 02 j 13:57	21°♍52'27	
	-9628 Aug 10 j 02:55	0°♎	
	-9628 Oct 09 j 22:14	0°♏	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9628 Nov 29 j 21:13	0°♐	
	-9627 Jan 17 j 22:38	0°♑	
	-9627 Mar 07 j 00:40	0°♒	
asc. node	-9627 Mar 09 j 17:07	1°♒41'43	
evening set	-9627 Apr 05 j 18:49	18°♒56'28	
	-9627 Apr 22 j 21:07	0°♓	
max. Earth dist.	-9627 May 02 j 19:43	6°♓29'51	2.61540 AU
conjunction	-9627 May 23 j 21:38	20°♓27'48	0°42'07
minimum elong	-9627 May 23 j 20:10	20°♓25'21	0°41'55
	-9627 Jun 07 j 01:38	0°♈	
morning rise	-9627 Jul 10 j 20:47	23°♈17'41	
	-9627 Jul 20 j 09:20	0°♉	
	-9627 Aug 31 j 00:04	0°♊	
	-9627 Oct 10 j 08:03	0°♋	
	-9627 Nov 19 j 00:57	0°♌	
	-9627 Dec 29 j 00:11	0°♍	
desc. node	-9626 Feb 07 j 20:49	29°♍29'26	
	-9626 Feb 08 j 14:22	0°♎	
	-9626 Mar 26 j 17:11	0°♏	
retrograde	-9626 Jun 12 j 22:54	28°♏56'57	
min. Earth dist.	-9626 Jul 15 j 14:33	21°♏48'47	0.56472 AU
greatest brilliancy	-9626 Jul 20 j 20:46	19°♏46'47	-1.8m
opposition	-9626 Jul 22 j 00:38	19°♏19'46	-5°31'35
direct	-9626 Aug 27 j 02:35	11°♏10'17	
	-9626 Oct 31 j 00:29	0°♐	
	-9626 Dec 26 j 17:47	0°♑	
asc. node	-9625 Jan 25 j 18:43	17°♑32'53	
	-9625 Feb 15 j 09:27	0°♒	
	-9625 Apr 04 j 04:03	0°♓	
evening set	-9625 May 17 j 09:40	28°♓35'54	
	-9625 May 19 j 11:10	0°♈	
max. Earth dist.	-9625 Jun 03 j 08:01	10°♈12'48	2.52055 AU
	-9625 Jul 01 j 09:33	0°♉	
conjunction	-9625 Jul 07 j 13:41	4°♉26'24	1°11'39
minimum elong	-9625 Jul 07 j 12:55	4°♉25'01	1°11'55
	-9625 Aug 11 j 07:19	0°♊	
morning rise	-9625 Aug 30 j 12:47	14°♊31'02	
	-9625 Sep 19 j 18:05	0°♋	
	-9625 Oct 28 j 11:50	0°♌	
	-9625 Dec 06 j 08:58	0°♍	
desc. node	-9625 Dec 26 j 15:00	15°♍21'17	
	-9624 Jan 15 j 07:57	0°♎	
	-9624 Feb 26 j 12:17	0°♏	
	-9624 Apr 12 j 19:54	0°♐	
	-9624 Jun 10 j 09:36	0°♑	
retrograde	-9624 Jul 19 j 22:49	8°♑31'21	
	-9624 Aug 25 j 10:52	30°℞♐	
min. Earth dist.	-9624 Aug 26 j 04:57	29°♐41'54	0.64517 AU
opposition	-9624 Aug 28 j 22:21	28°♐36'09	-3°46'30
greatest brilliancy	-9624 Aug 28 j 14:45	28°♐43'48	-1.4m
direct	-9624 Oct 06 j 19:44	19°♐19'50	
	-9624 Nov 22 j 15:55	0°♑	
asc. node	-9624 Dec 12 j 22:59	8°♑47'54	
	-9623 Jan 22 j 17:32	0°♒	
	-9623 Mar 14 j 04:16	0°♓	
	-9623 Apr 29 j 07:30	0°♈	
	-9623 Jun 11 j 08:23	0°♉	
evening set	-9623 Jul 04 j 19:01	17°♉06'49	
	-9623 Jul 22 j 00:30	0°♊	
max. Earth dist.	-9623 Jul 30 j 22:59	6°♊46'40	2.40261 AU
	-9623 Aug 30 j 02:16	0°♋	
conjunction	-9623 Aug 31 j 21:52	1°♋24'52	0°50'15
minimum elong	-9623 Sep 01 j 00:55	1°♋30'48	0°50'47
	-9623 Oct 07 j 10:25	0°♌	

morning rise	-9623 Nov 03 j 22:58	21°♌30'02	
desc. node	-9623 Nov 12 j 09:59	28°♌03'23	
	-9623 Nov 14 j 22:23	0°♍	
	-9623 Dec 24 j 10:47	0°♎	
	-9622 Feb 03 j 19:03	0°♏	
	-9622 Mar 19 j 18:25	0°♐	
	-9622 May 06 j 16:23	0°♑	
	-9622 Jul 03 j 00:29	0°♒	
retrograde	-9622 Aug 24 j 00:53	13°♒07'54	
opposition	-9622 Oct 02 j 14:59	3°♒35'30	-1°06'34
greatest brilliancy	-9622 Oct 02 j 16:20	3°♒34'09	-1.4m
min. Earth dist.	-9622 Oct 03 j 15:34	3°♒10'53	0.66556 AU
	-9622 Oct 11 j 19:14	30°℞♑	
asc. node	-9622 Oct 31 j 03:30	24°♑40'08	
direct	-9622 Nov 12 j 04:50	23°♑43'29	
	-9622 Dec 16 j 17:03	0°♒	
	-9621 Feb 18 j 13:50	0°♓	
	-9621 Apr 08 j 12:12	0°♈	
	-9621 May 22 j 09:59	0°♉	
	-9621 Jul 02 j 07:39	0°♊	
	-9621 Aug 10 j 09:34	0°♋	
evening set	-9621 Sep 04 j 17:23	19°♋49'02	
	-9621 Sep 17 j 16:43	0°♌	
desc. node	-9621 Sep 30 j 05:16	9°♌48'46	
	-9621 Oct 26 j 04:13	0°♍	
conjunction	-9621 Nov 07 j 03:31	9°♍12'02	-0°27'59
minimum elong	-9621 Nov 07 j 01:10	9°♍07'33	0°27'41
	-9621 Dec 04 j 16:33	0°♎	
max. Earth dist.	-9621 Dec 23 j 04:05	13°♎37'17	2.43839 AU
morning rise	-9620 Jan 09 j 01:24	25°♎49'02	
	-9620 Jan 14 j 22:25	0°♏	
	-9620 Feb 27 j 09:04	0°♐	
	-9620 Apr 13 j 08:34	0°♑	
	-9620 Jun 01 j 13:45	0°♒	
	-9620 Jul 27 j 20:01	0°♓	
asc. node	-9620 Sep 17 j 05:56	17°♓01'51	
retrograde	-9620 Sep 29 j 04:49	17°♓52'58	
opposition	-9620 Nov 06 j 07:45	9°♓08'13	2°01'34
greatest brilliancy	-9620 Nov 06 j 14:41	9°♓01'28	-1.5m
min. Earth dist.	-9620 Nov 11 j 00:40	7°♓18'20	0.62452 AU
	-9620 Dec 06 j 03:16	30°℞♒	
direct	-9620 Dec 17 j 05:43	29°♒11'08	
	-9620 Dec 28 j 16:16	0°♓	
	-9619 Mar 12 j 15:07	0°♈	
	-9619 Apr 29 j 00:44	0°♉	
	-9619 Jun 10 j 03:27	0°♊	
	-9619 Jul 19 j 18:52	0°♋	
desc. node	-9619 Aug 17 j 03:26	21°♋58'33	
	-9619 Aug 27 j 11:01	0°♌	
	-9619 Oct 05 j 06:45	0°♍	
evening set	-9619 Nov 07 j 15:46	25°♍11'42	
	-9619 Nov 14 j 03:22	0°♎	
	-9619 Dec 25 j 16:22	0°♏	
conjunction	-9618 Jan 04 j 12:15	6°♏53'48	-1°11'50
minimum elong	-9618 Jan 04 j 11:22	6°♏52'16	1°12'07
max. Earth dist.	-9618 Feb 05 j 05:12	28°♏38'53	2.55886 AU
	-9618 Feb 07 j 05:20	0°♐	
morning rise	-9618 Feb 27 j 22:55	13°♐49'04	
	-9618 Mar 24 j 17:53	0°♑	
	-9618 May 11 j 01:26	0°♒	
	-9618 Jun 29 j 08:08	0°♓	
asc. node	-9618 Aug 05 j 04:05	21°♓08'58	
	-9618 Aug 21 j 15:48	0°♈	
retrograde	-9618 Nov 13 j 16:27	28°♈07'07	
opposition	-9618 Dec 19 j 00:18	20°♈42'34	5°16'48

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

greatest brilliancy	-9618 Dec 20 j 08:20	20°♈13'46	-2.0m
min. Earth dist.	-9618 Dec 26 j 18:54	17°♈55'05	0.52697 AU
direct	-9617 Jan 27 j 02:00	11°♈39'56	
	-9617 Mar 27 j 08:29	0°♉	
	-9617 May 15 j 05:48	0°♊	
	-9617 Jun 26 j 07:40	0°♋	
desc. node	-9617 Jul 05 j 06:19	6°♋37'49	
	-9617 Aug 05 j 09:18	0°♌	
	-9617 Sep 14 j 06:27	0°♍	
	-9617 Oct 25 j 00:34	0°♎	
	-9617 Dec 06 j 07:30	0°♏	
evening set	-9617 Dec 30 j 16:54	16°♏45'10	
	-9616 Jan 19 j 09:13	0°♐	
conjunction	-9616 Feb 20 j 06:38	21°♐02'15	-1°00'52
minimum elong	-9616 Feb 20 j 08:12	21°♐04'48	1°01'25
max. Earth dist.	-9616 Mar 05 j 04:35	0°♑04'43	2.63871 AU
	-9616 Mar 05 j 01:41	0°♑	
morning rise	-9616 Apr 09 j 06:58	22°♑37'31	
	-9616 Apr 20 j 20:41	0°♒	
	-9616 Jun 07 j 05:19	0°♓	
asc. node	-9616 Jun 21 j 22:02	9°♓16'01	
	-9616 Jul 24 j 23:19	0°♈	
	-9616 Sep 11 j 19:31	0°♉	
	-9616 Nov 03 j 21:06	0°♊	
retrograde	-9615 Jan 15 j 22:46	23°♊28'38	
opposition	-9615 Feb 16 j 08:00	18°♊00'42	6°00'39
greatest brilliancy	-9615 Feb 17 j 17:15	17°♊36'42	-2.7m
min. Earth dist.	-9615 Feb 22 j 07:50	16°♊17'23	0.40833 AU
direct	-9615 Mar 21 j 14:44	11°♊46'57	
	-9615 May 18 j 12:56	0°♋	
desc. node	-9615 May 22 j 11:24	2°♋07'57	
	-9615 Jul 06 j 13:33	0°♌	
	-9615 Aug 19 j 12:42	0°♍	
	-9615 Oct 01 j 20:42	0°♎	
	-9615 Nov 14 j 22:09	0°♏	
	-9615 Dec 30 j 04:29	0°♐	
evening set	-9614 Feb 11 j 02:12	27°♐46'49	
	-9614 Feb 14 j 13:11	0°♑	
max. Earth dist.	-9614 Mar 29 j 18:36	27°♑38'57	2.66622 AU
conjunction	-9614 Mar 31 j 11:52	28°♑44'52	-0°22'26
minimum elong	-9614 Mar 31 j 12:44	28°♑46'15	0°22'57
	-9614 Apr 02 j 10:53	0°♒	
asc. node	-9614 May 09 j 14:32	23°♒49'18	
morning rise	-9614 May 17 j 03:19	28°♒40'49	
	-9614 May 19 j 04:20	0°♓	
	-9614 Jul 04 j 03:50	0°♈	
	-9614 Aug 18 j 04:54	0°♉	
	-9614 Oct 01 j 12:47	0°♊	
	-9614 Nov 14 j 17:59	0°♋	
	-9614 Dec 30 j 10:28	0°♌	
	-9613 Feb 23 j 04:28	0°♍	
retrograde	-9613 Apr 02 j 22:23	9°♍00'34	
desc. node	-9613 Apr 09 j 14:18	8°♍41'54	
min. Earth dist.	-9613 Apr 30 j 03:42	4°♍24'36	0.40228 AU
opposition	-9613 May 06 j 01:21	2°♍40'09	-1°58'38
greatest brilliancy	-9613 May 05 j 13:14	2°♍49'08	-2.8m
	-9613 May 15 j 15:06	30°℞♌	
direct	-9613 Jun 05 j 19:34	27°♌11'30	
	-9613 Jun 27 j 04:53	0°♍	
	-9613 Sep 01 j 22:40	0°♎	
	-9613 Oct 22 j 06:05	0°♏	
	-9613 Dec 09 j 12:49	0°♐	
	-9612 Jan 26 j 11:08	0°♑	
	-9612 Mar 14 j 01:20	0°♒	
evening set	-9612 Mar 21 j 12:22	4°♒44'27	
asc. node	-9612 Mar 26 j 09:37	7°♒51'17	
max. Earth dist.	-9612 Apr 22 j 15:48	25°♒22'27	2.64016 AU
	-9612 Apr 29 j 18:44	0°♓	
conjunction	-9612 May 08 j 05:41	5°♓31'16	0°24'47
minimum elong	-9612 May 08 j 04:46	5°♓29'45	0°24'29
	-9612 Jun 14 j 02:12	0°♈	
morning rise	-9612 Jun 24 j 04:24	6°♈50'07	
	-9612 Jul 27 j 17:42	0°♉	
	-9612 Sep 07 j 19:56	0°♊	
	-9612 Oct 18 j 18:11	0°♋	
	-9612 Nov 28 j 03:39	0°♌	
	-9611 Jan 08 j 00:50	0°♍	
	-9611 Feb 20 j 08:56	0°♎	
desc. node	-9611 Feb 24 j 15:18	2°♎46'07	
	-9611 Apr 14 j 06:12	0°♏	
retrograde	-9611 May 27 j 01:18	10°♏45'44	
min. Earth dist.	-9611 Jun 26 j 14:17	4°♏27'20	0.51949 AU
greatest brilliancy	-9611 Jul 02 j 18:07	2°♏10'09	-2.0m
opposition	-9611 Jul 04 j 04:50	1°♏37'47	-5°39'02
	-9611 Jul 08 j 16:01	30°℞♎	
direct	-9611 Aug 07 j 20:32	24°♎06'15	
	-9611 Sep 09 j 12:08	0°♏	
	-9611 Nov 13 j 07:20	0°♐	
	-9610 Jan 04 j 14:41	0°♑	
asc. node	-9610 Feb 11 j 08:44	22°♑50'07	
	-9610 Feb 22 j 23:03	0°♒	
	-9610 Apr 11 j 06:42	0°♓	
evening set	-9610 Apr 30 j 15:26	12°♓40'20	
max. Earth dist.	-9610 May 20 j 20:54	26°♓11'30	2.56294 AU
	-9610 May 26 j 11:46	0°♈	
conjunction	-9610 Jun 19 j 04:06	16°♈19'13	1°03'58
minimum elong	-9610 Jun 19 j 02:34	16°♈16'32	1°04'02
	-9610 Jul 08 j 13:05	0°♉	
morning rise	-9610 Aug 09 j 01:25	22°♉52'15	
	-9610 Aug 18 j 16:30	0°♊	
	-9610 Sep 27 j 10:13	0°♋	
	-9610 Nov 05 j 10:58	0°♌	
	-9610 Dec 14 j 15:07	0°♍	
desc. node	-9609 Jan 12 j 12:27	21°♍37'35	
	-9609 Jan 23 j 23:09	0°♎	
	-9609 Mar 07 j 22:00	0°♏	
	-9609 Apr 25 j 19:33	0°♐	
retrograde	-9609 Jul 06 j 20:56	24°♐15'50	
min. Earth dist.	-9609 Aug 11 j 11:32	16°♐01'19	0.62037 AU
opposition	-9609 Aug 15 j 16:21	14°♐20'41	-4°36'49
greatest brilliancy	-9609 Aug 15 j 01:32	14°♐35'30	-1.5m
direct	-9609 Sep 22 j 14:19	5°♐26'05	
	-9609 Dec 09 j 02:18	0°♑	
asc. node	-9609 Dec 30 j 11:56	11°♑08'54	
	-9608 Feb 01 j 20:29	0°♒	
	-9608 Mar 21 j 22:17	0°♓	
	-9608 May 06 j 15:21	0°♈	
evening set	-9608 Jun 14 j 07:00	26°♈54'55	
	-9608 Jun 18 j 14:17	0°♉	
max. Earth dist.	-9608 Jul 01 j 05:32	9°♉09'08	2.44723 AU
	-9608 Jul 29 j 07:53	0°♊	
conjunction	-9608 Aug 08 j 05:28	7°♊29'25	1°07'10
minimum elong	-9608 Aug 08 j 07:17	7°♊32'51	1°07'39
	-9608 Sep 06 j 12:27	0°♋	
morning rise	-9608 Oct 07 j 11:23	24°♋08'02	
	-9608 Oct 14 j 23:27	0°♌	
	-9608 Nov 22 j 13:51	0°♍	
desc. node	-9608 Nov 29 j 05:43	5°♍07'00	
	-9607 Jan 01 j 04:38	0°♎	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9607 Feb 11 j 17:07	0°♏	
	-9607 Mar 28 j 04:55	0°♐	
	-9607 May 16 j 22:49	0°♑	
	-9607 Aug 06 j 20:33	0°♒	
retrograde	-9607 Aug 10 j 10:36	0°♒04'54	
	-9607 Aug 13 j 23:36	30°℞♑	
opposition	-9607 Sep 19 j 07:09	20°♑20'28	-2°12'37
greatest brilliancy	-9607 Sep 19 j 06:55	20°♑20'42	-1.4m
min. Earth dist.	-9607 Sep 18 j 20:46	20°♑30'56	0.66482 AU
direct	-9607 Oct 29 j 08:16	10°♑39'11	
asc. node	-9607 Nov 16 j 17:01	12°♑35'39	
	-9606 Jan 04 j 00:57	0°♒	
	-9606 Feb 28 j 05:34	0°♓	
	-9606 Apr 16 j 16:16	0°♈	
	-9606 May 30 j 03:10	0°♉	
	-9606 Jul 09 j 21:22	0°♊	
evening set	-9606 Aug 10 j 05:18	24°♊00'27	
	-9606 Aug 17 j 22:15	0°♋	
	-9606 Sep 25 j 04:45	0°♌	
conjunction	-9606 Oct 11 j 19:02	13°♌00'26	0°04'02
minimum elong	-9606 Oct 11 j 19:28	13°♌01'17	0°04'28
behind sun begin	-9606 Oct 10 j 16:51	12°♌09'15	
behind sun end	-9606 Oct 12 j 22:05	13°♌53'18	
desc. node	-9606 Oct 16 j 23:55	17°♌04'20	
	-9606 Nov 02 j 15:21	0°♍	
max. Earth dist.	-9606 Nov 15 j 15:55	10°♍00'59	2.39394 AU
	-9606 Dec 12 j 02:33	0°♎	
morning rise	-9606 Dec 16 j 01:44	2°♎57'04	
	-9605 Jan 22 j 07:41	0°♏	
	-9605 Mar 06 j 20:32	0°♐	
	-9605 Apr 22 j 06:48	0°♑	
	-9605 Jun 12 j 03:33	0°♒	
	-9605 Aug 18 j 10:55	0°♓	
retrograde	-9605 Sep 15 j 04:59	4°♓14'05	
asc. node	-9605 Oct 04 j 21:11	1°♓42'39	
	-9605 Oct 10 j 18:44	30°℞♒	
opposition	-9605 Oct 24 j 00:36	25°♒07'41	0°46'01
greatest brilliancy	-9605 Oct 24 j 02:22	25°♒05'57	-1.5m
min. Earth dist.	-9605 Oct 27 j 07:16	23°♒49'59	0.64780 AU
direct	-9605 Dec 03 j 23:47	15°♒08'00	
	-9604 Jan 28 j 16:45	0°♓	
	-9604 Mar 23 j 13:55	0°♈	
	-9604 May 08 j 00:26	0°♉	
	-9604 Jun 18 j 11:34	0°♊	
	-9604 Jul 27 j 19:41	0°♋	
desc. node	-9604 Sep 02 j 21:24	28°♋55'03	
	-9604 Sep 04 j 06:38	0°♌	
	-9604 Oct 12 j 21:34	0°♍	
evening set	-9604 Oct 14 j 08:51	1°♍07'46	
	-9604 Nov 21 j 13:25	0°♎	
conjunction	-9604 Dec 14 j 03:25	16°♎33'19	-1°02'38
minimum elong	-9604 Dec 14 j 01:00	16°♎28'56	1°02'43
	-9603 Jan 01 j 22:01	0°♏	
max. Earth dist.	-9603 Jan 22 j 02:24	14°♏07'35	2.51500 AU
morning rise	-9603 Feb 09 j 17:10	26°♏52'04	
	-9603 Feb 14 j 08:25	0°♐	
	-9603 Mar 31 j 22:36	0°♑	
	-9603 May 18 j 17:41	0°♒	
	-9603 Jul 08 j 13:51	0°♓	
asc. node	-9603 Aug 21 j 21:31	23°♓07'43	
	-9603 Sep 06 j 14:12	0°♈	
retrograde	-9603 Oct 25 j 11:09	11°♈31'24	
opposition	-9603 Dec 01 j 01:29	3°♈30'36	4°03'33
greatest brilliancy	-9603 Dec 01 j 22:22	3°♈11'02	-1.8m
min. Earth dist.	-9603 Dec 07 j 19:42	0°♈58'46	0.57089 AU
	-9603 Dec 10 j 12:19	30°℞♓	
direct	-9602 Jan 10 j 04:59	23°♓55'57	
	-9602 Feb 11 j 12:16	0°♈	
	-9602 Apr 11 j 14:40	0°♉	
	-9602 May 26 j 03:57	0°♊	
	-9602 Jul 05 j 20:27	0°♋	
desc. node	-9602 Jul 21 j 22:21	12°♋12'55	
	-9602 Aug 14 j 03:54	0°♌	
	-9602 Sep 22 j 11:42	0°♍	
	-9602 Nov 01 j 18:49	0°♎	
evening set	-9602 Dec 11 j 13:32	28°♎30'39	
	-9602 Dec 13 j 16:31	0°♏	
	-9601 Jan 26 j 11:26	0°♐	
conjunction	-9601 Feb 03 j 05:06	5°♐10'24	-1°09'44
minimum elong	-9601 Feb 03 j 06:09	5°♐12'10	1°10'14
max. Earth dist.	-9601 Feb 23 j 20:16	18°♐48'22	2.61343 AU
	-9601 Mar 13 j 00:30	0°♑	
morning rise	-9601 Mar 25 j 22:04	8°♑19'27	
	-9601 Apr 28 j 21:59	0°♒	
	-9601 Jun 15 j 19:08	0°♓	
asc. node	-9601 Jul 09 j 16:40	14°♓43'46	
	-9601 Aug 03 j 21:49	0°♈	
	-9601 Sep 25 j 10:38	0°♉	
retrograde	-9601 Dec 19 j 18:51	29°♉19'01	
opposition	-9600 Jan 21 j 18:16	23°♉04'43	6°29'52
greatest brilliancy	-9600 Jan 23 j 12:52	22°♉30'23	-2.4m
min. Earth dist.	-9600 Jan 29 j 17:00	20°♉32'15	0.45126 AU
direct	-9600 Feb 26 j 18:11	15°♉32'43	
	-9600 Apr 17 j 07:33	0°♊	
	-9600 Jun 06 j 06:46	0°♋	
desc. node	-9600 Jun 08 j 02:37	1°♋13'43	
	-9600 Jul 19 j 04:38	0°♌	
	-9600 Aug 29 j 17:43	0°♍	
	-9600 Oct 10 j 16:10	0°♎	
	-9600 Nov 22 j 19:44	0°♏	
	-9599 Jan 06 j 11:54	0°♐	
evening set	-9599 Jan 26 j 00:01	12°♐48'23	
	-9599 Feb 21 j 12:16	0°♑	
conjunction	-9599 Mar 16 j 07:25	14°♑39'00	-0°39'13
minimum elong	-9599 Mar 16 j 08:48	14°♑41'13	0°39'46
max. Earth dist.	-9599 Mar 20 j 10:55	17°♑18'19	2.66189 AU
	-9599 Apr 09 j 07:22	0°♒	
morning rise	-9599 May 02 j 13:14	14°♒51'18	
asc. node	-9599 May 26 j 09:07	0°♓07'10	
	-9599 May 26 j 04:39	0°♓	
	-9599 Jul 11 j 16:24	0°♈	
	-9599 Aug 26 j 18:02	0°♉	
	-9599 Oct 11 j 22:03	0°♊	
	-9599 Nov 28 j 16:58	0°♋	
	-9598 Jan 24 j 14:59	0°♌	
retrograde	-9598 Mar 05 j 10:16	9°♌00'15	
min. Earth dist.	-9598 Apr 04 j 01:48	4°♌06'15	0.38184 AU
opposition	-9598 Apr 05 j 13:45	3°♌42'03	1°39'10
greatest brilliancy	-9598 Apr 05 j 13:52	3°♌41'58	-2.9m
	-9598 Apr 21 j 03:24	30°℞♋	
desc. node	-9598 Apr 26 j 08:21	29°♋12'22	
direct	-9598 May 05 j 18:51	28°♋37'21	
	-9598 May 20 j 13:29	0°♌	
	-9598 Jul 28 j 12:46	0°♍	
	-9598 Sep 15 j 05:54	0°♎	
	-9598 Oct 31 j 21:15	0°♏	
	-9598 Dec 17 j 14:00	0°♐	
	-9597 Feb 02 j 17:33	0°♑	
evening set	-9597 Mar 07 j 09:12	20°♑42'54	
	-9597 Mar 21 j 23:24	0°♒	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

asc. node	-9597 Apr 13 j 02:06	14°♒08'25	
max. Earth dist.	-9597 Apr 13 j 20:32	14°♒38'02	2.65668 AU
conjunction	-9597 Apr 24 j 02:23	21°♒13'44	0°06'28
minimum elong	-9597 Apr 24 j 02:08	21°♒13'20	0°06'04
behind sun begin	-9597 Apr 23 j 07:49	20°♒43'49	
behind sun end	-9597 Apr 24 j 20:27	21°♒42'52	
	-9597 May 07 j 15:31	0°♓	
morning rise	-9597 Jun 09 j 13:53	21°♓37'12	
	-9597 Jun 22 j 03:33	0°♈	
	-9597 Aug 05 j 05:22	0°♉	
	-9597 Sep 16 j 23:11	0°♊	
	-9597 Oct 28 j 18:15	0°♋	
	-9597 Dec 09 j 06:50	0°♌	
	-9596 Jan 20 j 22:42	0°♍	
	-9596 Mar 08 j 21:32	0°♎	
desc. node	-9596 Mar 13 j 09:56	2°♎25'26	
retrograde	-9596 May 07 j 22:25	19°♎39'29	
min. Earth dist.	-9596 Jun 05 j 11:17	14°♎12'09	0.46996 AU
greatest brilliancy	-9596 Jun 12 j 03:09	11°♎53'19	-2.3m
opposition	-9596 Jun 13 j 14:49	11°♎22'12	-5°07'12
direct	-9596 Jul 16 j 14:57	4°♎37'03	
	-9596 Oct 01 j 06:01	0°♏	
	-9596 Nov 23 j 19:59	0°♐	
	-9595 Jan 12 j 18:52	0°♑	
asc. node	-9595 Feb 27 j 23:37	28°♑34'23	
	-9595 Mar 02 j 06:14	0°♒	
evening set	-9595 Apr 14 j 16:51	27°♒40'52	
	-9595 Apr 18 j 06:37	0°♓	
max. Earth dist.	-9595 May 09 j 04:27	13°♓42'57	2.59881 AU
conjunction	-9595 Jun 02 j 04:25	29°♓47'55	0°51'06
minimum elong	-9595 Jun 02 j 02:48	29°♓45'09	0°51'01
	-9595 Jun 02 j 11:33	0°♈	
	-9595 Jul 15 j 17:17	0°♉	
morning rise	-9595 Jul 20 j 22:54	3°♉43'27	
	-9595 Aug 26 j 03:49	0°♊	
	-9595 Oct 05 j 06:15	0°♋	
	-9595 Nov 13 j 16:19	0°♌	
	-9595 Dec 23 j 06:50	0°♍	
desc. node	-9594 Jan 29 j 07:08	27°♍10'13	
	-9594 Feb 02 j 06:22	0°♎	
	-9594 Mar 18 j 17:13	0°♏	
	-9594 May 13 j 17:25	0°♐	
retrograde	-9594 Jun 22 j 00:06	8°♐51'02	
min. Earth dist.	-9594 Jul 25 j 18:30	1°♐17'05	0.58684 AU
	-9594 Jul 29 j 01:10	30°℞♏	
greatest brilliancy	-9594 Jul 30 j 10:37	29°♏27'01	-1.7m
opposition	-9594 Jul 31 j 09:44	29°♏04'15	-5°16'21
direct	-9594 Sep 06 j 04:20	20°♏36'49	
	-9594 Oct 19 j 05:40	0°♐	
	-9594 Dec 20 j 09:14	0°♑	
asc. node	-9593 Jan 16 j 01:49	15°♑07'29	
	-9593 Feb 10 j 04:09	0°♒	
	-9593 Mar 30 j 08:47	0°♓	
	-9593 May 14 j 19:32	0°♈	
evening set	-9593 May 27 j 12:13	8°♈41'37	
max. Earth dist.	-9593 Jun 12 j 11:59	19°♈50'54	2.49531 AU
	-9593 Jun 26 j 18:42	0°♉	
conjunction	-9593 Jul 18 j 19:38	16°♉00'48	1°12'45
minimum elong	-9593 Jul 18 j 19:40	16°♉00'51	1°13'08
	-9593 Aug 06 j 15:20	0°♊	
morning rise	-9593 Sep 12 j 20:01	28°♊19'34	
	-9593 Sep 15 j 00:05	0°♋	
	-9593 Oct 23 j 15:09	0°♌	
	-9593 Dec 01 j 09:04	0°♍	
desc. node	-9593 Dec 17 j 02:10	11°♍58'57	
	-9592 Jan 10 j 03:48	0°♎	
	-9592 Feb 20 j 23:44	0°♏	
	-9592 Apr 06 j 09:08	0°♐	
	-9592 May 29 j 21:24	0°♑	
retrograde	-9592 Jul 27 j 21:14	16°♑47'50	
min. Earth dist.	-9592 Sep 03 j 23:08	7°♑40'59	0.65473 AU
opposition	-9592 Sep 05 j 20:39	6°♑55'06	-3°13'48
greatest brilliancy	-9592 Sep 05 j 16:19	6°♑59'28	-1.4m
	-9592 Sep 25 j 14:57	30°℞♐	
direct	-9592 Oct 15 j 04:48	27°♐28'38	
	-9592 Nov 05 j 07:29	0°♑	
asc. node	-9592 Dec 03 j 06:41	9°♑01'04	
	-9591 Jan 16 j 03:06	0°♒	
	-9591 Mar 08 j 20:44	0°♓	
	-9591 Apr 24 j 09:54	0°♈	
	-9591 Jun 06 j 14:27	0°♉	
evening set	-9591 Jul 17 j 10:08	0°♊04'58	
	-9591 Jul 17 j 07:30	0°♊	
	-9591 Aug 25 j 09:10	0°♋	
max. Earth dist.	-9591 Aug 29 j 17:02	3°♋22'20	2.38531 AU
conjunction	-9591 Sep 15 j 08:00	16°♋22'41	0°35'34
minimum elong	-9591 Sep 15 j 10:49	16°♋28'11	0°36'07
	-9591 Oct 02 j 16:41	0°♌	
desc. node	-9591 Nov 02 j 19:33	24°♌18'49	
	-9591 Nov 10 j 03:46	0°♍	
morning rise	-9591 Nov 19 j 14:15	7°♍15'55	
	-9591 Dec 19 j 15:04	0°♎	
	-9590 Jan 29 j 20:54	0°♏	
	-9590 Mar 14 j 14:22	0°♐	
	-9590 Apr 30 j 18:27	0°♑	
	-9590 Jun 23 j 15:46	0°♒	
retrograde	-9590 Aug 31 j 23:47	21°♒01'48	
opposition	-9590 Oct 10 j 08:12	11°♒37'39	-0°26'19
greatest brilliancy	-9590 Oct 10 j 09:07	11°♒36'44	-1.4m
min. Earth dist.	-9590 Oct 12 j 04:18	10°♒53'38	0.66187 AU
asc. node	-9590 Oct 21 j 11:31	7°♒19'17	
direct	-9590 Nov 20 j 02:33	1°♒41'21	
	-9589 Feb 11 j 13:13	0°♓	
	-9589 Apr 02 j 23:15	0°♈	
	-9589 May 17 j 08:12	0°♉	
	-9589 Jun 27 j 10:04	0°♊	
	-9589 Aug 05 j 13:52	0°♋	
	-9589 Sep 12 j 21:51	0°♌	
evening set	-9589 Sep 19 j 14:13	5°♌14'14	
desc. node	-9589 Sep 20 j 14:40	6°♌02'05	
	-9589 Oct 21 j 09:51	0°♍	
conjunction	-9589 Nov 21 j 13:07	23°♍43'14	-0°43'24
minimum elong	-9589 Nov 21 j 10:06	23°♍37'34	0°43'14
	-9589 Nov 29 j 22:41	0°♎	
max. Earth dist.	-9588 Jan 05 j 07:27	26°♎31'37	2.46638 AU
	-9588 Jan 10 j 04:31	0°♏	
morning rise	-9588 Jan 21 j 14:04	8°♏02'01	
	-9588 Feb 22 j 13:53	0°♐	
	-9588 Apr 08 j 08:10	0°♑	
	-9588 May 26 j 21:07	0°♒	
	-9588 Jul 19 j 09:19	0°♓	
asc. node	-9588 Sep 07 j 13:18	21°♓22'23	
retrograde	-9588 Oct 08 j 07:43	26°♓26'49	
opposition	-9588 Nov 14 j 22:52	17°♓56'06	2°46'00
greatest brilliancy	-9588 Nov 15 j 10:06	17°♓45'18	-1.6m
min. Earth dist.	-9588 Nov 20 j 10:06	15°♓49'46	0.60797 AU
direct	-9588 Dec 25 j 16:40	8°♓03'47	
	-9587 Mar 04 j 06:51	0°♈	
	-9587 Apr 22 j 21:37	0°♉	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9587 Jun 04 j 15:58	0°♊	
	-9587 Jul 14 j 14:33	0°♋	
desc. node	-9587 Aug 07 j 15:34	18°♋31'59	
	-9587 Aug 22 j 10:49	0°♌	
	-9587 Sep 30 j 09:25	0°♍	
	-9587 Nov 09 j 08:24	0°♎	
evening set	-9587 Nov 20 j 13:19	8°♎12'42	
	-9587 Dec 20 j 23:04	0°♏	
conjunction	-9586 Jan 15 j 19:41	17°♏58'01	-1°13'05
minimum elong	-9586 Jan 15 j 19:40	17°♏57'59	1°13'27
	-9586 Feb 02 j 12:57	0°♐	
max. Earth dist.	-9586 Feb 12 j 10:58	6°♐38'41	2.58039 AU
morning rise	-9586 Mar 09 j 18:31	23°♐20'19	
	-9586 Mar 20 j 00:29	0°♑	
	-9586 May 06 j 03:02	0°♒	
	-9586 Jun 23 j 18:27	0°♓	
asc. node	-9586 Jul 26 j 09:55	19°♓22'51	
	-9586 Aug 14 j 01:15	0°♈	
	-9586 Oct 14 j 19:11	0°♉	
retrograde	-9586 Nov 25 j 19:52	8°♉55'03	
opposition	-9586 Dec 30 j 08:12	1°♉53'39	5°52'08
greatest brilliancy	-9586 Dec 31 j 21:50	1°♉20'47	-2.1m
	-9585 Jan 04 j 18:10	30°℞♈	
min. Earth dist.	-9585 Jan 07 j 10:04	29°♈05'06	0.50051 AU
direct	-9585 Feb 06 j 12:09	23°♈17'10	
	-9585 Mar 11 j 19:46	0°♉	
	-9585 May 07 j 05:36	0°♊	
	-9585 Jun 19 j 19:38	0°♋	
desc. node	-9585 Jun 25 j 19:24	4°♋20'13	
	-9585 Jul 30 j 13:58	0°♌	
	-9585 Sep 08 j 21:24	0°♍	
	-9585 Oct 19 j 23:00	0°♎	
	-9585 Dec 01 j 11:09	0°♏	
evening set	-9584 Jan 09 j 23:27	26°♏51'35	
	-9584 Jan 14 j 16:25	0°♐	
conjunction	-9584 Feb 29 j 15:06	0°♑07'31	-0°53'48
minimum elong	-9584 Feb 29 j 16:43	0°♑10'07	0°54'22
	-9584 Feb 29 j 10:27	0°♑	
max. Earth dist.	-9584 Mar 11 j 01:03	6°♑50'49	2.64916 AU
	-9584 Apr 16 j 04:43	0°♒	
morning rise	-9584 Apr 17 j 21:33	1°♒05'06	
	-9584 Jun 02 j 08:18	0°♓	
asc. node	-9584 Jun 12 j 02:30	6°♓12'12	
	-9584 Jul 19 j 13:21	0°♈	
	-9584 Sep 05 j 03:29	0°♉	
	-9584 Oct 24 j 14:57	0°♊	
	-9584 Dec 22 j 12:07	0°♋	
retrograde	-9583 Feb 02 j 07:49	9°♋19'05	
opposition	-9583 Mar 05 j 02:34	4°♋08'05	4°56'00
greatest brilliancy	-9583 Mar 05 j 23:06	3°♋53'57	-2.8m
min. Earth dist.	-9583 Mar 08 j 21:12	3°♋05'45	0.39139 AU
	-9583 Mar 21 j 20:21	30°℞♊	
direct	-9583 Apr 05 j 23:47	28°♊32'00	
	-9583 Apr 20 j 21:34	0°♋	
desc. node	-9583 May 12 j 23:22	6°♋43'18	
	-9583 Jun 26 j 14:33	0°♌	
	-9583 Aug 12 j 07:20	0°♍	
	-9583 Sep 25 j 20:45	0°♎	
	-9583 Nov 09 j 14:31	0°♏	
	-9583 Dec 25 j 06:27	0°♐	
	-9582 Feb 09 j 20:22	0°♑	
evening set	-9582 Feb 20 j 01:44	6°♑31'57	
	-9582 Mar 28 j 20:17	0°♒	
max. Earth dist.	-9582 Apr 04 j 07:29	4°♒08'02	2.66502 AU
conjunction	-9582 Apr 09 j 03:23	7°♒13'25	-0°12'01
minimum elong	-9582 Apr 09 j 03:52	7°♒14'11	0°12'30
behind sun begin	-9582 Apr 08 j 15:42	6°♒54'43	
behind sun end	-9582 Apr 09 j 16:02	7°♒33'39	
asc. node	-9582 Apr 29 j 19:32	20°♒29'37	
	-9582 May 14 j 12:51	0°♓	
morning rise	-9582 May 25 j 14:40	7°♓11'31	
	-9582 Jun 29 j 07:52	0°♈	
	-9582 Aug 12 j 23:45	0°♉	
	-9582 Sep 25 j 15:37	0°♊	
	-9582 Nov 07 j 18:36	0°♋	
	-9582 Dec 21 j 08:05	0°♌	
	-9581 Feb 06 j 08:31	0°♍	
desc. node	-9581 Mar 31 j 02:41	23°♍05'22	
retrograde	-9581 Apr 16 j 23:17	25°♍01'48	
min. Earth dist.	-9581 May 14 j 05:25	20°♍15'01	0.42303 AU
greatest brilliancy	-9581 May 20 j 12:04	18°♍16'17	-2.6m
opposition	-9581 May 21 j 12:29	17°♍56'56	-3°31'06
direct	-9581 Jun 21 j 22:12	12°♍02'44	
	-9581 Aug 21 j 19:15	0°♎	
	-9581 Oct 15 j 08:56	0°♏	
	-9581 Dec 03 j 23:34	0°♐	
	-9580 Jan 21 j 11:52	0°♑	
	-9580 Mar 09 j 08:38	0°♒	
asc. node	-9580 Mar 16 j 15:31	4°♒37'01	
evening set	-9580 Mar 30 j 06:26	13°♒17'36	
	-9580 Apr 25 j 04:16	0°♓	
max. Earth dist.	-9580 Apr 28 j 13:37	2°♓12'28	2.62742 AU
conjunction	-9580 May 17 j 03:53	14°♓25'34	0°35'00
minimum elong	-9580 May 17 j 02:37	14°♓23'27	0°34'47
	-9580 Jun 09 j 10:47	0°♈	
morning rise	-9580 Jul 03 j 14:09	16°♈29'49	
	-9580 Jul 22 j 22:49	0°♉	
	-9580 Sep 02 j 19:07	0°♊	
	-9580 Oct 13 j 09:37	0°♋	
	-9580 Nov 22 j 09:19	0°♌	
	-9579 Jan 01 j 16:21	0°♍	
	-9579 Feb 12 j 19:52	0°♎	
desc. node	-9579 Feb 15 j 02:30	1°♎33'01	
	-9579 Apr 01 j 16:19	0°♏	
retrograde	-9579 Jun 05 j 23:18	21°♏49'33	
min. Earth dist.	-9579 Jul 07 j 16:21	15°♏02'42	0.54521 AU
greatest brilliancy	-9579 Jul 13 j 08:26	12°♏53'10	-1.9m
opposition	-9579 Jul 14 j 15:40	12°♏23'19	-5°38'33
direct	-9579 Aug 19 j 02:49	4°♏29'44	
	-9579 Nov 05 j 09:09	0°♐	
	-9579 Dec 29 j 21:38	0°♑	
asc. node	-9578 Feb 01 j 16:09	20°♑03'09	
	-9578 Feb 17 j 23:23	0°♒	
	-9578 Apr 06 j 13:58	0°♓	
evening set	-9578 May 10 j 02:34	22°♓03'06	
	-9578 May 21 j 21:10	0°♈	
max. Earth dist.	-9578 May 28 j 09:37	4°♈26'49	2.54016 AU
conjunction	-9578 Jun 29 j 11:16	26°♈49'51	1°09'09
minimum elong	-9578 Jun 29 j 10:05	26°♈47'45	1°09'19
	-9578 Jul 03 j 21:57	0°♉	
	-9578 Aug 13 j 22:53	0°♊	
morning rise	-9578 Aug 20 j 22:38	5°♊13'49	
	-9578 Sep 22 j 13:09	0°♋	
	-9578 Oct 31 j 09:58	0°♌	
	-9578 Dec 09 j 09:30	0°♍	
desc. node	-9577 Jan 02 j 21:06	18°♍28'45	
	-9577 Jan 18 j 11:09	0°♎	
	-9577 Mar 01 j 20:36	0°♏	
	-9577 Apr 17 j 22:12	0°♐	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9577 Jun 22 j 21:34	0°♉	
retrograde	-9577 Jul 15 j 01:57	2°♉58'35	
	-9577 Aug 04 j 19:23	30°℞♐	
min. Earth dist.	-9577 Aug 20 j 14:39	24°♐23'50	0.63525 AU
opposition	-9577 Aug 23 j 23:36	23°♐02'33	-4°08'47
greatest brilliancy	-9577 Aug 23 j 13:02	23°♐13'11	-1.5m
direct	-9577 Oct 01 j 10:33	13°♐55'20	
	-9577 Nov 30 j 03:29	0°♉	
asc. node	-9577 Dec 20 j 20:09	9°♉52'24	
	-9576 Jan 27 j 00:29	0°♒	
	-9576 Mar 16 j 21:23	0°♓	
	-9576 May 01 j 21:22	0°♈	
	-9576 Jun 13 j 22:46	0°♉	
evening set	-9576 Jun 25 j 16:08	8°♉28'59	
max. Earth dist.	-9576 Jul 15 j 23:46	23°♉28'36	2.42153 AU
	-9576 Jul 24 j 16:25	0°♊	
conjunction	-9576 Aug 21 j 07:47	21°♊05'34	0°59'01
minimum elong	-9576 Aug 21 j 10:29	21°♊10'46	0°59'32
	-9576 Sep 01 j 19:54	0°♋	
	-9576 Oct 10 j 05:15	0°♌	
morning rise	-9576 Oct 22 j 20:39	9°♌53'32	
	-9576 Nov 17 j 17:35	0°♍	
desc. node	-9576 Nov 19 j 15:43	1°♍28'57	
	-9576 Dec 27 j 05:56	0°♎	
	-9575 Feb 06 j 14:21	0°♏	
	-9575 Mar 22 j 16:29	0°♐	
	-9575 May 10 j 03:14	0°♑	
	-9575 Jul 10 j 04:21	0°♒	
retrograde	-9575 Aug 18 j 06:48	8°♒01'46	
	-9575 Sep 22 j 23:19	30°℞♑	
opposition	-9575 Sep 26 j 23:55	28°♑23'33	-1°34'44
greatest brilliancy	-9575 Sep 27 j 00:53	28°♑22'34	-1.4m
min. Earth dist.	-9575 Sep 27 j 09:05	28°♑14'20	0.66649 AU
direct	-9575 Nov 06 j 08:15	18°♑35'41	
asc. node	-9575 Nov 07 j 01:04	18°♑35'53	
	-9575 Dec 24 j 21:54	0°♒	
	-9574 Feb 22 j 03:59	0°♓	
	-9574 Apr 11 j 11:21	0°♈	
	-9574 May 25 j 05:44	0°♉	
	-9574 Jul 05 j 02:48	0°♊	
	-9574 Aug 13 j 04:52	0°♋	
evening set	-9574 Aug 24 j 10:18	8°♋45'57	
	-9574 Sep 20 j 11:46	0°♌	
desc. node	-9574 Oct 07 j 11:05	13°♌18'14	
conjunction	-9574 Oct 26 j 18:23	28°♌19'43	-0°14'37
minimum elong	-9574 Oct 26 j 17:04	28°♌17'11	0°14'15
behind sun begin	-9574 Oct 26 j 03:50	27°♌51'34	
behind sun end	-9574 Oct 27 j 06:18	28°♌42'47	
	-9574 Oct 28 j 22:14	0°♍	
	-9574 Dec 07 j 09:02	0°♎	
max. Earth dist.	-9574 Dec 10 j 00:53	1°♎58'55	2.41671 AU
morning rise	-9574 Dec 29 j 23:40	16°♎39'31	
	-9573 Jan 17 j 13:07	0°♏	
	-9573 Mar 01 j 22:54	0°♐	
	-9573 Apr 17 j 00:44	0°♑	
	-9573 Jun 05 j 18:17	0°♒	
	-9573 Aug 03 j 18:40	0°♓	
retrograde	-9573 Sep 23 j 17:11	12°♓25'09	
asc. node	-9573 Sep 25 j 04:10	12°♓24'21	
opposition	-9573 Nov 01 j 03:51	3°♓30'11	1°29'21
greatest brilliancy	-9573 Nov 01 j 08:11	3°♓25'56	-1.5m
min. Earth dist.	-9573 Nov 05 j 05:32	1°♓54'20	0.63616 AU
	-9573 Nov 10 j 05:02	30°℞♒	
direct	-9573 Dec 12 j 02:49	23°♒30'52	
	-9572 Jan 15 j 15:19	0°♓	
	-9572 Mar 16 j 22:28	0°♈	
	-9572 May 02 j 10:54	0°♉	
	-9572 Jun 13 j 07:14	0°♊	
	-9572 Jul 22 j 19:47	0°♋	
desc. node	-9572 Aug 24 j 08:40	25°♋17'35	
	-9572 Aug 30 j 09:31	0°♌	
	-9572 Oct 08 j 02:25	0°♍	
evening set	-9572 Oct 28 j 08:12	15°♍24'56	
	-9572 Nov 16 j 19:55	0°♎	
conjunction	-9572 Dec 26 j 13:06	28°♎48'11	-1°09'00
minimum elong	-9572 Dec 26 j 11:33	28°♎45'25	1°09'13
	-9572 Dec 28 j 05:39	0°♏	
max. Earth dist.	-9571 Jan 30 j 11:21	23°♏05'15	2.53993 AU
	-9571 Feb 09 j 16:00	0°♐	
morning rise	-9571 Feb 20 j 08:15	7°♐09'40	
	-9571 Mar 27 j 03:47	0°♑	
	-9571 May 13 j 14:44	0°♒	
	-9571 Jul 02 j 10:08	0°♓	
asc. node	-9571 Aug 12 j 03:04	22°♓37'30	
	-9571 Aug 26 j 17:43	0°♈	
retrograde	-9571 Nov 05 j 02:34	21°♈10'27	
opposition	-9571 Dec 11 j 00:32	13°♈28'41	4°46'11
greatest brilliancy	-9571 Dec 12 j 03:39	13°♈03'46	-1.9m
min. Earth dist.	-9571 Dec 18 j 08:50	10°♈46'54	0.54754 AU
direct	-9570 Jan 19 j 14:55	4°♈09'21	
	-9570 Apr 03 j 02:26	0°♉	
	-9570 May 19 j 16:42	0°♊	
	-9570 Jun 30 j 02:08	0°♋	
desc. node	-9570 Jul 12 j 10:48	9°♋16'21	
	-9570 Aug 08 j 18:48	0°♌	
	-9570 Sep 17 j 08:45	0°♍	
	-9570 Oct 27 j 20:40	0°♎	
	-9570 Dec 08 j 22:04	0°♏	
evening set	-9570 Dec 22 j 16:38	9°♏33'06	
	-9569 Jan 21 j 19:25	0°♐	
conjunction	-9569 Feb 13 j 03:09	14°♐49'00	-1°05'09
minimum elong	-9569 Feb 13 j 04:33	14°♐51'19	1°05'41
max. Earth dist.	-9569 Mar 01 j 23:28	25°♐50'15	2.62840 AU
	-9569 Mar 08 j 09:16	0°♑	
morning rise	-9569 Apr 03 j 20:05	17°♑01'43	
	-9569 Apr 24 j 04:34	0°♒	
	-9569 Jun 10 j 17:41	0°♓	
asc. node	-9569 Jun 29 j 21:30	11°♓58'41	
	-9569 Jul 28 j 24:00	0°♈	
	-9569 Sep 17 j 02:46	0°♉	
	-9569 Nov 13 j 22:59	0°♊	
retrograde	-9568 Jan 04 j 03:25	12°♊52'11	
opposition	-9568 Feb 05 j 05:17	7°♊04'39	6°24'11
greatest brilliancy	-9568 Feb 06 j 21:02	6°♊34'29	-2.5m
min. Earth dist.	-9568 Feb 12 j 09:52	4°♊54'39	0.42621 AU
direct	-9568 Mar 10 j 18:15	0°♊15'37	
	-9568 May 27 j 11:42	0°♋	
desc. node	-9568 May 29 j 15:50	1°♋20'17	
	-9568 Jul 11 j 22:14	0°♌	
	-9568 Aug 23 j 14:17	0°♍	
	-9568 Oct 05 j 04:28	0°♎	
	-9568 Nov 17 j 18:14	0°♏	
	-9567 Jan 01 j 16:47	0°♐	
evening set	-9567 Feb 04 j 07:30	21°♐54'09	
	-9567 Feb 16 j 20:49	0°♑	
conjunction	-9567 Mar 25 j 01:48	23°♑12'12	-0°29'40
minimum elong	-9567 Mar 25 j 02:55	23°♑13'58	0°30'13
max. Earth dist.	-9567 Mar 25 j 23:09	23°♑46'18	2.66529 AU
	-9567 Apr 04 j 17:03	0°♒	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

morning rise	-9567 May 10 j 22:24	23°♒11'57	
asc. node	-9567 May 16 j 14:00	26°♒49'57	
	-9567 May 21 j 12:04	0°♓	
	-9567 Jul 06 j 16:58	0°♈	
	-9567 Aug 21 j 04:14	0°♉	
	-9567 Oct 05 j 05:02	0°♊	
	-9567 Nov 19 j 15:46	0°♋	
	-9566 Jan 07 j 02:15	0°♌	
retrograde	-9566 Mar 22 j 02:32	26°♌34'16	
desc. node	-9566 Apr 16 j 19:11	22°♌32'57	
min. Earth dist.	-9566 Apr 18 j 23:16	21°♌57'15	0.38987 AU
opposition	-9566 Apr 23 j 03:54	20°♌46'40	-0°29'53
greatest brilliancy	-9566 Apr 23 j 01:33	20°♌48'20	-2.9m
direct	-9566 May 23 j 12:21	15°♌33'55	
	-9566 Jul 15 j 01:46	0°♍	
	-9566 Sep 07 j 12:18	0°♎	
	-9566 Oct 25 j 21:22	0°♏	
	-9566 Dec 12 j 08:54	0°♐	
	-9565 Jan 28 j 21:55	0°♑	
evening set	-9565 Mar 16 j 01:41	29°♑11'15	
	-9565 Mar 17 j 08:22	0°♒	
asc. node	-9565 Apr 03 j 08:39	10°♒51'02	
max. Earth dist.	-9565 Apr 19 j 12:24	21°♒13'40	2.64863 AU
conjunction	-9565 May 02 j 17:44	29°♒47'19	0°17'07
minimum elong	-9565 May 02 j 17:05	29°♒46'15	0°16'46
	-9565 May 03 j 01:33	0°♓	
	-9565 Jun 17 j 11:46	0°♈	
morning rise	-9565 Jun 18 j 09:46	0°♈36'59	
	-9565 Jul 31 j 08:28	0°♉	
	-9565 Sep 11 j 17:50	0°♊	
	-9565 Oct 23 j 00:47	0°♋	
	-9565 Dec 02 j 20:39	0°♌	
	-9564 Jan 13 j 07:57	0°♍	
	-9564 Feb 26 j 23:15	0°♎	
desc. node	-9564 Mar 03 j 20:19	3°♎37'03	
	-9564 Apr 29 j 22:55	0°♏	
retrograde	-9564 May 19 j 04:33	2°♏28'42	
	-9564 Jun 06 j 18:39	30°℞♎	
min. Earth dist.	-9564 Jun 17 j 18:24	26°♎33'26	0.49762 AU
greatest brilliancy	-9564 Jun 24 j 05:19	24°♎13'27	-2.1m
opposition	-9564 Jun 25 j 17:33	23°♎40'31	-5°31'53
direct	-9564 Jul 29 j 16:42	16°♎28'36	
	-9564 Sep 19 j 23:59	0°♏	
	-9564 Nov 17 j 06:32	0°♐	
	-9563 Jan 07 j 10:52	0°♑	
asc. node	-9563 Feb 18 j 06:53	25°♑33'54	
	-9563 Feb 25 j 10:02	0°♒	
	-9563 Apr 13 j 15:07	0°♓	
evening set	-9563 Apr 23 j 18:08	6°♓35'42	
max. Earth dist.	-9563 May 15 j 20:49	21°♓13'43	2.57995 AU
	-9563 May 28 j 21:10	0°♈	
conjunction	-9563 Jun 11 j 17:47	9°♈28'29	0°58'59
minimum elong	-9563 Jun 11 j 16:09	9°♈25'40	0°59'00
	-9563 Jul 11 j 01:31	0°♉	
morning rise	-9563 Jul 31 j 13:20	14°♉43'52	
	-9563 Aug 21 j 08:56	0°♊	
	-9563 Sep 30 j 06:53	0°♋	
	-9563 Nov 08 j 11:42	0°♌	
	-9563 Dec 17 j 19:28	0°♍	
desc. node	-9562 Jan 19 j 18:38	24°♍30'50	
	-9562 Jan 27 j 08:10	0°♎	
	-9562 Mar 11 j 17:30	0°♏	
	-9562 May 01 j 10:32	0°♐	
retrograde	-9562 Jun 30 j 16:54	18°♐16'46	
min. Earth dist.	-9562 Aug 04 j 11:58	10°♐19'25	0.60637 AU
opposition	-9562 Aug 09 j 08:06	8°♐24'02	-4°55'16
greatest brilliancy	-9562 Aug 08 j 13:42	8°♐42'22	-1.6m
	-9562 Sep 08 j 19:09	30°℞♏	
direct	-9562 Sep 15 j 17:49	29°♏40'52	
	-9562 Sep 22 j 21:28	0°♐	
	-9562 Dec 13 j 09:15	0°♑	
asc. node	-9561 Jan 06 j 09:13	13°♑01'23	
	-9561 Feb 04 j 18:19	0°♒	
	-9561 Mar 25 j 11:34	0°♓	
	-9561 May 10 j 03:03	0°♈	
evening set	-9561 Jun 07 j 00:09	19°♈15'05	
	-9561 Jun 22 j 03:19	0°♉	
max. Earth dist.	-9561 Jun 23 j 00:24	0°♉37'49	2.46890 AU
conjunction	-9561 Jul 30 j 16:06	28°♉16'38	1°10'51
minimum elong	-9561 Jul 30 j 17:06	28°♉18'31	1°11'18
	-9561 Aug 01 j 23:12	0°♊	
	-9561 Sep 10 j 06:07	0°♋	
morning rise	-9561 Sep 26 j 23:44	12°♋59'30	
	-9561 Oct 18 j 19:04	0°♌	
	-9561 Nov 26 j 10:33	0°♍	
desc. node	-9561 Dec 07 j 12:12	8°♍29'00	
	-9560 Jan 05 j 01:57	0°♎	
	-9560 Feb 15 j 15:52	0°♏	
	-9560 Mar 31 j 09:14	0°♐	
	-9560 May 21 j 04:47	0°♑	
retrograde	-9560 Aug 04 j 18:04	24°♑55'03	
opposition	-9560 Sep 13 j 15:42	15°♑06'21	-2°38'52
min. Earth dist.	-9560 Sep 12 j 13:36	15°♑32'40	0.66145 AU
greatest brilliancy	-9560 Sep 13 j 13:56	15°♑08'08	-1.4m
direct	-9560 Oct 23 j 09:07	5°♑31'09	
asc. node	-9560 Nov 23 j 14:16	10°♑42'09	
	-9559 Jan 08 j 17:44	0°♒	
	-9559 Mar 03 j 07:55	0°♓	
	-9559 Apr 19 j 10:26	0°♈	
	-9559 Jun 01 j 19:55	0°♉	
	-9559 Jul 12 j 14:34	0°♊	
evening set	-9559 Jul 30 j 14:48	13°♊42'30	
	-9559 Aug 20 j 16:14	0°♋	
	-9559 Sep 27 j 23:13	0°♌	
conjunction	-9559 Sep 30 j 03:49	1°♌43'12	0°18'16
minimum elong	-9559 Sep 30 j 05:31	1°♌46'33	0°18'46
max. Earth dist.	-9559 Oct 14 j 08:51	12°♌51'33	2.38233 AU
desc. node	-9559 Oct 24 j 05:39	20°♌33'38	
	-9559 Nov 05 j 09:29	0°♍	
morning rise	-9559 Dec 04 j 19:33	22°♍29'20	
	-9559 Dec 14 j 19:43	0°♎	
	-9558 Jan 24 j 23:52	0°♏	
	-9558 Mar 09 j 12:44	0°♐	
	-9558 Apr 25 j 03:48	0°♑	
	-9558 Jun 15 j 22:28	0°♒	
retrograde	-9558 Sep 09 j 03:06	29°♒01'00	
asc. node	-9558 Oct 11 j 18:43	22°♒15'55	
opposition	-9558 Oct 18 j 04:25	19°♒46'16	0°15'16
greatest brilliancy	-9558 Oct 18 j 04:55	19°♒45'47	-1.4m
min. Earth dist.	-9558 Oct 20 j 19:34	18°♒43'31	0.65524 AU
direct	-9558 Nov 28 j 01:35	9°♒47'24	
	-9557 Feb 03 j 09:16	0°♓	
	-9557 Mar 28 j 02:36	0°♈	
	-9557 May 12 j 02:50	0°♉	
	-9557 Jun 22 j 10:53	0°♊	
	-9557 Jul 31 j 17:34	0°♋	
	-9557 Sep 08 j 03:14	0°♌	
desc. node	-9557 Sep 11 j 02:34	2°♌19'37	
evening set	-9557 Oct 04 j 06:26	20°♌23'55	
	-9557 Oct 16 j 16:12	0°♍	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9557 Nov 25 j 05:35	0°♎	
conjunction	-9557 Dec 05 j 04:32	7°♎22'05	-0°55'35
minimum elong	-9557 Dec 05 j 01:38	7°♎16'45	0°55'33
	-9556 Jan 05 j 11:39	0°♏	
max. Earth dist.	-9556 Jan 16 j 00:11	7°♏25'30	2.49354 AU
morning rise	-9556 Feb 02 j 07:26	19°♏25'53	
	-9556 Feb 17 j 19:58	0°♐	
	-9556 Apr 03 j 10:22	0°♑	
	-9556 May 21 j 10:50	0°♒	
	-9556 Jul 12 j 03:43	0°♓	
asc. node	-9556 Aug 28 j 19:47	23°♓19'58	
	-9556 Sep 16 j 05:30	0°♈	
retrograde	-9556 Oct 17 j 22:35	5°♈21'00	
	-9556 Nov 16 j 01:32	30°♓℞	
opposition	-9556 Nov 24 j 00:07	27°♓06'09	3°30'37
greatest brilliancy	-9556 Nov 24 j 16:32	26°♓50'34	-1.7m
min. Earth dist.	-9556 Nov 30 j 04:31	24°♓45'08	0.58842 AU
direct	-9555 Jan 03 j 10:39	17°♓22'00	
	-9555 Feb 21 j 12:32	0°♈	
	-9555 Apr 16 j 03:48	0°♉	
	-9555 May 29 j 21:07	0°♊	
	-9555 Jul 09 j 05:29	0°♋	
desc. node	-9555 Jul 29 j 03:04	15°♋13'09	
	-9555 Aug 17 j 07:44	0°♌	
	-9555 Sep 25 j 10:42	0°♍	
	-9555 Nov 04 j 13:02	0°♎	
evening set	-9555 Dec 02 j 17:52	20°♎25'29	
	-9555 Dec 16 j 06:20	0°♏	
conjunction	-9554 Jan 26 j 12:08	28°♏23'19	-1°11'54
minimum elong	-9554 Jan 26 j 12:49	28°♏24'28	1°12'20
	-9554 Jan 28 j 21:34	0°♐	
max. Earth dist.	-9554 Feb 19 j 03:55	14°♐10'09	2.59956 AU
	-9554 Mar 15 j 08:49	0°♑	
morning rise	-9554 Mar 19 j 03:33	2°♑26'55	
	-9554 May 01 j 07:26	0°♒	
	-9554 Jun 18 j 11:06	0°♓	
asc. node	-9554 Jul 16 j 15:32	17°♓08'18	
	-9554 Aug 07 j 08:25	0°♈	
	-9554 Oct 01 j 11:53	0°♉	
retrograde	-9554 Dec 08 j 21:46	20°♉30'44	
opposition	-9553 Jan 11 j 14:40	13°♉54'40	6°18'27
greatest brilliancy	-9553 Jan 13 j 08:16	13°♉19'46	-2.2m
min. Earth dist.	-9553 Jan 19 j 18:53	11°♉11'19	0.47307 AU
direct	-9553 Feb 17 j 15:39	5°♉51'21	
	-9553 Apr 27 j 07:46	0°♊	
	-9553 Jun 12 j 13:59	0°♋	
desc. node	-9553 Jun 16 j 06:27	2°♋34'48	
	-9553 Jul 24 j 08:42	0°♌	
	-9553 Sep 03 j 06:29	0°♍	
	-9553 Oct 14 j 17:49	0°♎	
	-9553 Nov 26 j 13:08	0°♏	
	-9552 Jan 09 j 23:07	0°♐	
evening set	-9552 Jan 19 j 20:48	6°♐32'54	
	-9552 Feb 24 j 19:48	0°♑	
conjunction	-9552 Mar 09 j 17:08	8°♑57'09	-0°45'39
minimum elong	-9552 Mar 09 j 18:39	8°♑59'35	0°46'13
max. Earth dist.	-9552 Mar 16 j 16:29	13°♑25'49	2.65729 AU
	-9552 Apr 11 j 13:59	0°♒	
morning rise	-9552 Apr 26 j 08:30	9°♒25'45	
	-9552 May 28 j 13:45	0°♓	
asc. node	-9552 Jun 02 j 08:09	3°♓02'53	
	-9552 Jul 14 j 08:48	0°♈	
	-9552 Aug 30 j 00:45	0°♉	
	-9552 Oct 16 j 09:01	0°♊	
	-9552 Dec 06 j 01:49	0°♋	
retrograde	-9551 Feb 19 j 21:29	26°♋09'24	
opposition	-9551 Mar 22 j 16:17	21°♋01'42	3°14'53
greatest brilliancy	-9551 Mar 22 j 23:05	20°♋57'08	-2.9m
min. Earth dist.	-9551 Mar 23 j 14:48	20°♋46'36	0.38229 AU
direct	-9551 Apr 22 j 08:54	15°♋50'15	
desc. node	-9551 May 03 j 12:07	16°♋38'47	
	-9551 Jun 12 j 09:01	0°♌	
	-9551 Aug 03 j 23:49	0°♍	
	-9551 Sep 19 j 10:14	0°♎	
	-9551 Nov 04 j 02:04	0°♏	
	-9551 Dec 20 j 06:04	0°♐	
	-9550 Feb 05 j 02:50	0°♑	
evening set	-9550 Feb 28 j 22:20	15°♑09'09	
	-9550 Mar 24 j 05:53	0°♒	
max. Earth dist.	-9550 Apr 09 j 20:17	10°♒36'42	2.66150 AU
conjunction	-9550 Apr 17 j 17:59	15°♒40'55	-0°01'22
minimum elong	-9550 Apr 17 j 18:04	15°♒41'04	0°01'50
behind sun begin	-9550 Apr 16 j 22:39	15°♒09'55	
behind sun end	-9550 Apr 18 j 13:29	16°♒12'14	
asc. node	-9550 Apr 20 j 00:58	17°♒09'14	
	-9550 May 09 j 22:24	0°♓	
morning rise	-9550 Jun 03 j 03:38	15°♓48'47	
	-9550 Jun 24 j 14:03	0°♈	
	-9550 Aug 07 j 22:17	0°♉	
	-9550 Sep 20 j 01:44	0°♊	
	-9550 Nov 01 j 09:28	0°♋	
	-9550 Dec 13 j 15:50	0°♌	
	-9549 Jan 26 j 14:54	0°♍	
	-9549 Mar 20 j 16:24	0°♎	
desc. node	-9549 Mar 21 j 14:48	0°♎24'17	
retrograde	-9549 Apr 29 j 20:37	9°♎50'21	
min. Earth dist.	-9549 May 27 j 15:22	4°♎44'00	0.44802 AU
greatest brilliancy	-9549 Jun 03 j 07:10	2°♎30'50	-2.4m
opposition	-9549 Jun 04 j 15:49	2°♎03'28	-4°35'37
	-9549 Jun 11 j 01:00	30°♏℞	
direct	-9549 Jul 06 j 21:57	25°♍41'09	
	-9549 Aug 03 j 03:15	0°♎	
	-9549 Oct 07 j 14:44	0°♏	
	-9549 Nov 28 j 03:40	0°♐	
	-9548 Jan 16 j 10:03	0°♑	
	-9548 Mar 04 j 14:58	0°♒	
asc. node	-9548 Mar 06 j 21:43	1°♒26'13	
evening set	-9548 Apr 08 j 02:12	21°♒55'38	
	-9548 Apr 20 j 13:49	0°♓	
max. Earth dist.	-9548 May 04 j 16:48	9°♓13'42	2.61266 AU
conjunction	-9548 May 26 j 05:57	23°♓31'54	0°44'35
minimum elong	-9548 May 26 j 04:25	23°♓29'21	0°44'26
	-9548 Jun 04 j 20:28	0°♈	
morning rise	-9548 Jul 13 j 07:31	26°♈31'35	
	-9548 Jul 18 j 05:49	0°♉	
	-9548 Aug 28 j 21:22	0°♊	
	-9548 Oct 08 j 05:13	0°♋	
	-9548 Nov 16 j 20:56	0°♌	
	-9548 Dec 26 j 17:24	0°♍	
desc. node	-9547 Feb 05 j 12:51	29°♍37'31	
	-9547 Feb 06 j 01:39	0°♎	
	-9547 Mar 23 j 11:54	0°♏	
	-9547 May 27 j 20:22	0°♐	
retrograde	-9547 Jun 15 j 08:54	2°♐13'03	
	-9547 Jul 02 j 22:36	30°♏℞	
min. Earth dist.	-9547 Jul 18 j 05:45	24°♏58'55	0.56913 AU
greatest brilliancy	-9547 Jul 23 j 08:30	22°♏59'40	-1.8m
opposition	-9547 Jul 24 j 11:19	22°♏33'31	-5°28'37
direct	-9547 Aug 29 j 15:48	14°♏20'15	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9547 Oct 26 j 17:30	0°♐	
	-9547 Dec 23 j 19:48	0°♑	
asc. node	-9546 Jan 22 j 23:04	17°♑27'34	
	-9546 Feb 12 j 20:07	0°♒	
	-9546 Apr 01 j 19:18	0°♓	
	-9546 May 17 j 05:47	0°♈	
evening set	-9546 May 19 j 21:46	1°♈48'45	
max. Earth dist.	-9546 Jun 05 j 18:34	13°♈25'00	2.51609 AU
	-9546 Jun 29 j 06:51	0°♉	
conjunction	-9546 Jul 10 j 05:57	7°♉53'30	1°12'10
minimum elong	-9546 Jul 10 j 05:23	7°♉52'28	1°12'28
	-9546 Aug 09 j 06:27	0°♊	
morning rise	-9546 Sep 02 j 13:17	18°♊20'56	
	-9546 Sep 17 j 18:06	0°♋	
	-9546 Oct 26 j 11:44	0°♌	
	-9546 Dec 04 j 07:34	0°♍	
desc. node	-9546 Dec 24 j 08:11	15°♍13'14	
	-9545 Jan 13 j 03:53	0°♎	
	-9545 Feb 24 j 03:16	0°♏	
	-9545 Apr 10 j 23:55	0°♐	
	-9545 Jun 06 j 05:47	0°♑	
retrograde	-9545 Jul 23 j 02:51	11°♑26'38	
min. Earth dist.	-9545 Aug 29 j 12:14	2°♑33'24	0.64715 AU
opposition	-9545 Sep 01 j 01:32	1°♑31'37	-3°37'44
greatest brilliancy	-9545 Aug 31 j 18:40	1°♑38'32	-1.4m
	-9545 Sep 04 j 21:11	30°℞♐	
direct	-9545 Oct 10 j 00:10	22°♐13'12	
	-9545 Nov 18 j 03:08	0°♑	
asc. node	-9545 Dec 11 j 03:39	9°♑21'35	
	-9544 Jan 20 j 17:45	0°♒	
	-9544 Mar 11 j 15:55	0°♓	
	-9544 Apr 27 j 00:40	0°♈	
	-9544 Jun 09 j 05:06	0°♉	
evening set	-9544 Jul 07 j 18:29	20°♉51'35	
	-9544 Jul 19 j 23:33	0°♊	
max. Earth dist.	-9544 Aug 05 j 00:28	12°♊10'58	2.39870 AU
	-9544 Aug 28 j 02:35	0°♋	
conjunction	-9544 Sep 04 j 05:11	5°♋32'05	0°47'02
minimum elong	-9544 Sep 04 j 08:15	5°♋38'04	0°47'34
	-9544 Oct 05 j 11:04	0°♌	
morning rise	-9544 Nov 07 j 12:51	25°♌49'28	
desc. node	-9544 Nov 10 j 01:42	27°♌47'19	
	-9544 Nov 12 j 22:19	0°♍	
	-9544 Dec 22 j 09:01	0°♎	
	-9543 Feb 01 j 14:29	0°♏	
	-9543 Mar 17 j 09:20	0°♐	
	-9543 May 03 j 22:16	0°♑	
	-9543 Jun 28 j 17:49	0°♒	
retrograde	-9543 Aug 26 j 04:06	15°♒56'05	
opposition	-9543 Oct 04 j 16:16	6°♒25'11	-0°55'27
greatest brilliancy	-9543 Oct 04 j 17:33	6°♒23'54	-1.4m
min. Earth dist.	-9543 Oct 05 j 20:44	5°♒56'39	0.66510 AU
	-9543 Oct 22 j 05:48	30°℞♑	
asc. node	-9543 Oct 28 j 09:06	28°♑24'26	
direct	-9543 Nov 14 j 06:07	26°♑32'02	
	-9543 Dec 09 j 05:45	0°♒	
	-9542 Feb 15 j 13:56	0°♓	
	-9542 Apr 06 j 01:46	0°♈	
	-9542 May 20 j 05:20	0°♉	
	-9542 Jun 30 j 06:05	0°♊	
	-9542 Aug 08 j 09:30	0°♋	
evening set	-9542 Sep 08 j 04:02	24°♋04'54	
	-9542 Sep 15 j 17:00	0°♌	
desc. node	-9542 Sep 27 j 20:16	9°♌30'50	
	-9542 Oct 24 j 03:53	0°♍	
conjunction	-9542 Nov 10 j 13:56	13°♍22'27	-0°31'56
minimum elong	-9542 Nov 10 j 11:21	13°♍17'32	0°31'41
	-9542 Dec 02 j 14:50	0°♎	
max. Earth dist.	-9542 Dec 26 j 11:20	17°♎33'43	2.44388 AU
morning rise	-9541 Jan 12 j 03:39	29°♎33'16	
	-9541 Jan 12 j 18:41	0°♏	
	-9541 Feb 25 j 02:40	0°♐	
	-9541 Apr 11 j 22:21	0°♑	
	-9541 May 30 j 20:04	0°♒	
	-9541 Jul 24 j 23:23	0°♓	
asc. node	-9541 Sep 15 j 11:32	19°♓06'23	
retrograde	-9541 Oct 02 j 12:46	20°♓46'59	
opposition	-9541 Nov 09 j 12:43	12°♓04'46	2°13'14
greatest brilliancy	-9541 Nov 09 j 20:35	11°♓57'06	-1.5m
min. Earth dist.	-9541 Nov 14 j 08:48	10°♓11'50	0.62181 AU
direct	-9541 Dec 20 j 09:12	2°♓08'06	
	-9540 Mar 09 j 11:27	0°♈	
	-9540 Apr 26 j 14:22	0°♉	
	-9540 Jun 07 j 23:24	0°♊	
	-9540 Jul 17 j 17:36	0°♋	
desc. node	-9540 Aug 14 j 20:18	21°♋45'38	
	-9540 Aug 25 j 10:38	0°♌	
	-9540 Oct 03 j 05:58	0°♍	
evening set	-9540 Nov 10 j 18:55	29°♍03'46	
	-9540 Nov 12 j 01:17	0°♎	
	-9540 Dec 23 j 12:29	0°♏	
conjunction	-9539 Jan 07 j 08:41	10°♏24'24	-1°12'20
minimum elong	-9539 Jan 07 j 08:02	10°♏23'17	1°12'40
	-9539 Feb 04 j 23:25	0°♐	
max. Earth dist.	-9539 Feb 07 j 04:35	1°♐29'35	2.56322 AU
morning rise	-9539 Mar 02 j 12:19	17°♐00'49	
	-9539 Mar 22 j 09:52	0°♑	
	-9539 May 08 j 14:42	0°♒	
	-9539 Jun 26 j 15:57	0°♓	
asc. node	-9539 Aug 02 j 09:02	21°♓18'02	
	-9539 Aug 18 j 06:33	0°♈	
	-9539 Oct 31 j 22:55	0°♉	
retrograde	-9539 Nov 16 j 12:15	1°♉24'21	
	-9539 Dec 01 j 06:29	30°℞♈	
opposition	-9539 Dec 21 j 16:25	24°♈03'46	5°25'25
greatest brilliancy	-9539 Dec 23 j 01:37	23°♈33'59	-2.0m
min. Earth dist.	-9539 Dec 29 j 11:50	21°♈16'18	0.52224 AU
direct	-9538 Jan 29 j 13:09	15°♈05'35	
	-9538 Mar 23 j 01:00	0°♉	
	-9538 May 12 j 12:01	0°♊	
	-9538 Jun 23 j 23:19	0°♋	
desc. node	-9538 Jul 02 j 23:52	6°♋39'12	
	-9538 Aug 03 j 04:40	0°♌	
	-9538 Sep 12 j 03:04	0°♍	
	-9538 Oct 22 j 20:59	0°♎	
	-9538 Dec 04 j 02:52	0°♏	
evening set	-9537 Jan 02 j 08:00	20°♏02'44	
	-9537 Jan 17 j 03:10	0°♐	
conjunction	-9537 Feb 22 j 17:24	24°♐07'44	-0°59'01
minimum elong	-9537 Feb 22 j 19:00	24°♐10'19	0°59'34
	-9537 Mar 03 j 18:20	0°♑	
max. Earth dist.	-9537 Mar 07 j 23:42	2°♑44'03	2.64088 AU
morning rise	-9537 Apr 12 j 13:37	25°♑34'26	
	-9537 Apr 19 j 12:16	0°♒	
	-9537 Jun 05 j 19:34	0°♓	
asc. node	-9537 Jun 20 j 02:00	9°♓00'48	
	-9537 Jul 23 j 10:34	0°♈	
	-9537 Sep 09 j 22:44	0°♉	
	-9537 Oct 31 j 21:00	0°♊	
retrograde	-9536 Jan 20 j 19:38	27°♊40'06	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

opposition	-9536 Feb 21 j 00:10	22°♊16'13	5°48'24
greatest brilliancy	-9536 Feb 22 j 07:19	21°♊53'55	-2.7m
min. Earth dist.	-9536 Feb 26 j 15:09	20°♊39'52	0.40452 AU
direct	-9536 Mar 25 j 01:32	16°♊10'05	
	-9536 May 13 j 09:23	0°♋	
desc. node	-9536 May 20 j 03:52	3°♋25'38	
	-9536 Jul 03 j 11:06	0°♌	
	-9536 Aug 16 j 22:06	0°♍	
	-9536 Sep 29 j 10:38	0°♎	
	-9536 Nov 12 j 13:44	0°♏	
	-9536 Dec 27 j 20:23	0°♐	
	-9535 Feb 12 j 05:03	0°♑	
evening set	-9535 Feb 13 j 10:23	0°♑47'03	
max. Earth dist.	-9535 Mar 31 j 11:52	0°♒14'23	2.66616 AU
	-9535 Mar 31 j 02:53	0°♒	
conjunction	-9535 Apr 02 j 18:30	1°♒41'39	-0°19'34
minimum elong	-9535 Apr 02 j 19:16	1°♒42'52	0°20'05
asc. node	-9535 May 06 j 18:58	23°♒30'16	
	-9535 May 16 j 20:40	0°♓	
morning rise	-9535 May 19 j 08:31	1°♓36'44	
	-9535 Jul 01 j 20:19	0°♈	
	-9535 Aug 15 j 20:37	0°♉	
	-9535 Sep 29 j 02:00	0°♊	
	-9535 Nov 12 j 01:27	0°♋	
	-9535 Dec 27 j 03:35	0°♌	
	-9534 Feb 16 j 21:02	0°♍	
retrograde	-9534 Apr 06 j 05:30	13°♍25'12	
desc. node	-9534 Apr 07 j 07:24	13°♍24'42	
min. Earth dist.	-9534 May 03 j 10:41	8°♍48'22	0.40558 AU
opposition	-9534 May 09 j 16:04	6°♍56'32	-2°22'52
greatest brilliancy	-9534 May 09 j 00:57	7°♍07'54	-2.8m
direct	-9534 Jun 09 j 11:53	1°♍23'38	
	-9534 Aug 29 j 07:04	0°♎	
	-9534 Oct 19 j 10:29	0°♏	
	-9534 Dec 06 j 23:28	0°♐	
	-9533 Jan 24 j 00:33	0°♑	
	-9533 Mar 12 j 16:31	0°♒	
evening set	-9533 Mar 24 j 19:02	7°♒41'29	
asc. node	-9533 Mar 24 j 14:23	7°♒34'03	
max. Earth dist.	-9533 Apr 25 j 07:31	27°♒56'41	2.63790 AU
	-9533 Apr 28 j 11:28	0°♓	
conjunction	-9533 May 11 j 13:03	8°♓31'55	0°27'37
minimum elong	-9533 May 11 j 12:01	8°♓30'14	0°27'20
	-9533 Jun 12 j 20:22	0°♈	
morning rise	-9533 Jun 27 j 13:22	9°♈58'16	
	-9533 Jul 26 j 12:54	0°♉	
	-9533 Sep 06 j 15:32	0°♊	
	-9533 Oct 17 j 13:18	0°♋	
	-9533 Nov 26 j 21:04	0°♌	
	-9532 Jan 06 j 14:13	0°♍	
	-9532 Feb 18 j 11:52	0°♎	
desc. node	-9532 Feb 23 j 08:14	3°♎11'51	
	-9532 Apr 09 j 06:58	0°♏	
retrograde	-9532 May 29 j 14:51	14°♏13'09	
min. Earth dist.	-9532 Jun 29 j 08:44	7°♏48'43	0.52438 AU
greatest brilliancy	-9532 Jul 05 j 09:41	5°♏33'26	-2.0m
opposition	-9532 Jul 06 j 19:44	5°♏01'27	-5°40'33
	-9532 Jul 22 j 01:01	30°℞♎	
direct	-9532 Aug 10 j 14:57	27°♎25'28	
	-9532 Aug 31 j 10:43	0°♏	
	-9532 Nov 10 j 00:59	0°♐	
	-9531 Jan 01 j 22:09	0°♑	
asc. node	-9531 Feb 08 j 13:51	22°♑39'45	
	-9531 Feb 20 j 11:57	0°♒	
	-9531 Apr 08 j 23:02	0°♓	
evening set	-9531 May 03 j 00:29	15°♓44'38	
max. Earth dist.	-9531 May 22 j 23:03	29°♓06'14	2.55869 AU
	-9531 May 24 j 06:47	0°♈	
conjunction	-9531 Jun 21 j 16:48	19°♈35'50	1°05'27
minimum elong	-9531 Jun 21 j 15:21	19°♈33'17	1°05'35
	-9531 Jul 06 j 10:02	0°♉	
morning rise	-9531 Aug 11 j 20:45	26°♉28'57	
	-9531 Aug 16 j 14:37	0°♊	
	-9531 Sep 25 j 08:39	0°♋	
	-9531 Nov 03 j 08:52	0°♌	
	-9531 Dec 12 j 11:29	0°♍	
desc. node	-9530 Jan 10 j 03:34	21°♍31'35	
	-9530 Jan 21 j 16:24	0°♎	
	-9530 Mar 05 j 08:45	0°♏	
	-9530 Apr 22 j 10:56	0°♐	
retrograde	-9530 Jul 09 j 02:04	27°♐15'36	
min. Earth dist.	-9530 Aug 13 j 20:21	18°♐56'46	0.62340 AU
opposition	-9530 Aug 17 j 20:59	17°♐20'01	-4°29'43
greatest brilliancy	-9530 Aug 17 j 07:05	17°♐33'56	-1.5m
direct	-9530 Sep 24 j 20:43	8°♐23'01	
	-9530 Dec 05 j 10:10	0°♑	
asc. node	-9530 Dec 27 j 17:24	11°♑21'11	
	-9529 Jan 30 j 02:49	0°♒	
	-9529 Mar 20 j 12:15	0°♓	
	-9529 May 05 j 09:50	0°♈	
evening set	-9529 Jun 17 j 22:42	0°♉19'23	
	-9529 Jun 17 j 11:53	0°♉	
max. Earth dist.	-9529 Jul 05 j 07:42	12°♉55'21	2.44236 AU
	-9529 Jul 28 j 07:31	0°♊	
conjunction	-9529 Aug 12 j 04:38	11°♊16'11	1°05'32
minimum elong	-9529 Aug 12 j 06:39	11°♊20'03	1°06'03
	-9529 Sep 05 j 12:58	0°♋	
morning rise	-9529 Oct 11 j 22:16	28°♋23'09	
	-9529 Oct 13 j 23:47	0°♌	
	-9529 Nov 21 j 12:59	0°♍	
desc. node	-9529 Nov 27 j 21:37	4°♍53'44	
	-9529 Dec 31 j 01:32	0°♎	
	-9528 Feb 10 j 10:32	0°♏	
	-9528 Mar 25 j 16:24	0°♐	
	-9528 May 13 j 19:46	0°♑	
	-9528 Jul 21 j 02:21	0°♒	
retrograde	-9528 Aug 12 j 13:54	2°♒55'40	
	-9528 Sep 02 j 10:37	30°℞♑	
opposition	-9528 Sep 21 j 09:00	23°♑12'14	-2°02'07
greatest brilliancy	-9528 Sep 21 j 09:04	23°♑12'10	-1.4m
min. Earth dist.	-9528 Sep 21 j 02:20	23°♑18'57	0.66548 AU
direct	-9528 Oct 31 j 10:44	13°♑29'32	
asc. node	-9528 Nov 13 j 22:32	14°♑33'49	
	-9528 Dec 31 j 00:56	0°♒	
	-9527 Feb 25 j 11:54	0°♓	
	-9527 Apr 14 j 07:42	0°♈	
	-9527 May 27 j 23:26	0°♉	
	-9527 Jul 07 j 20:35	0°♊	
evening set	-9527 Aug 13 j 09:17	27°♊59'49	
	-9527 Aug 15 j 23:04	0°♋	
	-9527 Sep 23 j 05:58	0°♌	
desc. node	-9527 Oct 14 j 16:52	16°♌48'48	
conjunction	-9527 Oct 15 j 04:10	17°♌10'50	-0°00'21
minimum elong	-9527 Oct 15 j 04:07	17°♌10'44	0°00'06
behind sun begin	-9527 Oct 14 j 01:34	16°♌18'53	
behind sun end	-9527 Oct 16 j 06:41	18°♌02'34	
	-9527 Oct 31 j 15:52	0°♍	
max. Earth dist.	-9527 Nov 21 j 06:57	15°♍50'31	2.39747 AU
	-9527 Dec 10 j 01:20	0°♎	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

morning rise	-9527 Dec 19 j 08:55	6°♎55'38	
	-9526 Jan 20 j 03:55	0°♏	
	-9526 Mar 04 j 13:14	0°♐	
	-9526 Apr 19 j 18:10	0°♑	
	-9526 Jun 09 j 02:41	0°♒	
	-9526 Aug 11 j 11:28	0°♓	
retrograde	-9526 Sep 17 j 10:38	7°♓05'54	
asc. node	-9526 Oct 02 j 02:00	5°♓41'55	
	-9526 Oct 21 j 02:04	30°℞♒	
opposition	-9526 Oct 26 j 03:51	28°♒01'34	0°57'50
greatest brilliancy	-9526 Oct 26 j 06:10	27°♒59'17	-1.5m
min. Earth dist.	-9526 Oct 29 j 13:58	26°♒40'25	0.64591 AU
direct	-9526 Dec 06 j 02:10	18°♒01'36	
	-9525 Jan 24 j 04:19	0°♓	
	-9525 Mar 21 j 19:56	0°♈	
	-9525 May 06 j 16:42	0°♉	
	-9525 Jun 17 j 08:31	0°♊	
	-9525 Jul 26 j 18:56	0°♋	
desc. node	-9525 Sep 01 j 13:56	28°♋40'16	
	-9525 Sep 03 j 06:45	0°♌	
	-9525 Oct 11 j 21:25	0°♍	
evening set	-9525 Oct 18 j 15:18	5°♍10'43	
	-9525 Nov 20 j 12:04	0°♎	
conjunction	-9525 Dec 18 j 03:35	20°♎14'46	-1°04'27
minimum elong	-9525 Dec 18 j 01:20	20°♎10'43	1°04'33
	-9525 Dec 31 j 18:47	0°♏	
max. Earth dist.	-9524 Jan 25 j 06:17	17°♏07'49	2.51969 AU
morning rise	-9524 Feb 13 j 09:33	0°♐11'26	
	-9524 Feb 13 j 02:46	0°♐	
	-9524 Mar 29 j 14:03	0°♑	
	-9524 May 16 j 04:54	0°♒	
	-9524 Jul 05 j 15:37	0°♓	
asc. node	-9524 Aug 19 j 01:26	23°♓40'05	
	-9524 Sep 01 j 18:49	0°♈	
retrograde	-9524 Oct 28 j 01:03	14°♈37'23	
opposition	-9524 Dec 03 j 11:54	6°♈39'51	4°14'14
greatest brilliancy	-9524 Dec 04 j 10:08	6°♈19'03	-1.8m
min. Earth dist.	-9524 Dec 10 j 08:00	4°♈06'27	0.56684 AU
	-9524 Dec 22 j 21:22	30°℞♓	
direct	-9523 Jan 12 j 12:11	27°♓07'25	
	-9523 Feb 03 j 04:07	0°♈	
	-9523 Apr 08 j 14:33	0°♉	
	-9523 May 23 j 18:10	0°♊	
	-9523 Jul 03 j 15:48	0°♋	
desc. node	-9523 Jul 19 j 15:08	12°♋05'57	
	-9523 Aug 12 j 01:15	0°♌	
	-9523 Sep 20 j 09:25	0°♍	
	-9523 Oct 30 j 15:49	0°♎	
	-9523 Dec 11 j 12:14	0°♏	
evening set	-9523 Dec 14 j 08:06	1°♏58'48	
	-9522 Jan 24 j 05:36	0°♐	
conjunction	-9522 Feb 05 j 18:08	8°♐22'05	-1°08'38
minimum elong	-9522 Feb 05 j 19:19	8°♐24'03	1°09'07
max. Earth dist.	-9522 Feb 25 j 12:21	21°♐23'54	2.61647 AU
	-9522 Mar 10 j 17:08	0°♑	
morning rise	-9522 Mar 28 j 06:17	11°♑19'38	
	-9522 Apr 26 j 12:55	0°♒	
	-9522 Jun 13 j 07:24	0°♓	
asc. node	-9522 Jul 06 j 20:31	14°♓34'22	
	-9522 Aug 01 j 03:58	0°♈	
	-9522 Sep 21 j 21:55	0°♉	
	-9522 Nov 29 j 18:40	0°♊	
retrograde	-9522 Dec 23 j 04:40	3°♊07'15	
	-9521 Jan 14 j 19:04	30°℞♉	
opposition	-9521 Jan 25 j 00:36	26°♉57'59	6°29'30
greatest brilliancy	-9521 Jan 26 j 19:06	26°♉24'11	-2.4m
min. Earth dist.	-9521 Feb 01 j 22:02	24°♉28'28	0.44652 AU
direct	-9521 Mar 01 j 18:45	19°♉33'55	
	-9521 Apr 12 j 19:09	0°♊	
	-9521 Jun 04 j 05:47	0°♋	
desc. node	-9521 Jun 06 j 19:40	1°♋42'12	
	-9521 Jul 17 j 15:55	0°♌	
	-9521 Aug 28 j 09:36	0°♍	
	-9521 Oct 09 j 09:37	0°♎	
	-9521 Nov 21 j 13:17	0°♏	
	-9520 Jan 05 j 04:54	0°♐	
evening set	-9520 Jan 29 j 09:36	15°♐52'22	
	-9520 Feb 20 j 04:43	0°♑	
conjunction	-9520 Mar 18 j 14:30	17°♑36'25	-0°36'37
minimum elong	-9520 Mar 18 j 15:49	17°♑38'31	0°37'11
max. Earth dist.	-9520 Mar 22 j 05:42	19°♑55'56	2.66274 AU
	-9520 Apr 06 j 23:33	0°♒	
morning rise	-9520 May 04 j 18:14	17°♒45'31	
asc. node	-9520 May 23 j 13:04	29°♒47'51	
	-9520 May 23 j 20:38	0°♓	
	-9520 Jul 09 j 07:28	0°♈	
	-9520 Aug 24 j 06:19	0°♉	
	-9520 Oct 09 j 03:52	0°♊	
	-9520 Nov 25 j 06:41	0°♋	
	-9519 Jan 17 j 22:01	0°♌	
retrograde	-9519 Mar 09 j 09:45	13°♌43'09	
min. Earth dist.	-9519 Apr 07 j 14:15	8°♌53'22	0.38279 AU
opposition	-9519 Apr 09 j 14:52	8°♌20'29	1°08'41
greatest brilliancy	-9519 Apr 09 j 14:24	8°♌20'48	-2.9m
desc. node	-9519 Apr 23 j 23:36	4°♌50'29	
direct	-9519 May 09 j 20:22	3°♌15'21	
	-9519 Jul 24 j 15:29	0°♍	
	-9519 Sep 12 j 09:07	0°♎	
	-9519 Oct 29 j 08:03	0°♏	
	-9519 Dec 15 j 03:43	0°♐	
	-9518 Jan 31 j 08:37	0°♑	
evening set	-9518 Mar 09 j 15:37	23°♑38'32	
	-9518 Mar 19 j 15:31	0°♒	
asc. node	-9518 Apr 10 j 07:13	13°♒49'55	
max. Earth dist.	-9518 Apr 15 j 10:04	17°♒07'06	2.65542 AU
conjunction	-9518 Apr 26 j 08:09	24°♒09'15	0°09'24
minimum elong	-9518 Apr 26 j 07:47	24°♒08'40	0°09'00
behind sun begin	-9518 Apr 25 j 15:24	23°♒42'14	
behind sun end	-9518 Apr 27 j 00:10	24°♒35'06	
	-9518 May 05 j 08:50	0°♓	
morning rise	-9518 Jun 11 j 19:38	24°♓35'55	
	-9518 Jun 19 j 21:57	0°♈	
	-9518 Aug 03 j 00:16	0°♉	
	-9518 Sep 14 j 17:35	0°♊	
	-9518 Oct 26 j 10:44	0°♋	
	-9518 Dec 06 j 19:16	0°♌	
	-9517 Jan 18 j 02:07	0°♍	
	-9517 Mar 05 j 18:39	0°♎	
desc. node	-9517 Mar 12 j 01:02	3°♎31'46	
retrograde	-9517 May 11 j 20:25	23°♎33'22	
min. Earth dist.	-9517 Jun 09 j 12:12	18°♎01'03	0.47534 AU
greatest brilliancy	-9517 Jun 16 j 03:52	15°♎41'29	-2.3m
opposition	-9517 Jun 17 j 16:01	15°♎09'37	-5°15'47
direct	-9517 Jul 20 j 21:46	8°♎18'58	
	-9517 Sep 28 j 07:26	0°♏	
	-9517 Nov 21 j 23:02	0°♐	
	-9516 Jan 11 j 05:19	0°♑	
asc. node	-9516 Feb 26 j 04:51	28°♑20'46	
	-9516 Feb 28 j 20:18	0°♒	
	-9516 Apr 15 j 23:20	0°♓	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

evening set	-9516 Apr 17 j 00:10	0°♓40'17	
max. Earth dist.	-9516 May 11 j 02:16	16°♓28'29	2.59562 AU
	-9516 May 31 j 06:35	0°♈	
conjunction	-9516 Jun 04 j 13:17	2°♈54'10	0°53'15
minimum elong	-9516 Jun 04 j 11:38	2°♈51'22	0°53'13
	-9516 Jul 13 j 14:12	0°♉	
morning rise	-9516 Jul 23 j 11:23	7°♉02'15	
	-9516 Aug 24 j 01:57	0°♊	
	-9516 Oct 03 j 04:43	0°♋	
	-9516 Nov 11 j 14:00	0°♌	
	-9516 Dec 21 j 02:19	0°♍	
desc. node	-9515 Jan 27 j 00:19	27°♍13'35	
	-9515 Jan 30 j 21:03	0°♎	
	-9515 Mar 15 j 20:31	0°♏	
	-9515 May 08 j 11:25	0°♐	
retrograde	-9515 Jun 24 j 08:32	12°♐02'33	
min. Earth dist.	-9515 Jul 28 j 07:12	4°♐23'34	0.59070 AU
opposition	-9515 Aug 02 j 18:32	2°♐14'00	-5°11'30
greatest brilliancy	-9515 Aug 01 j 20:22	2°♐35'55	-1.7m
	-9515 Aug 08 j 13:35	30°℞♏	
direct	-9515 Sep 08 j 15:11	23°♏43'26	
	-9515 Oct 12 j 23:19	0°♐	
	-9515 Dec 17 j 06:26	0°♑	
asc. node	-9514 Jan 13 j 06:20	15°♑07'00	
	-9514 Feb 07 j 13:31	0°♒	
	-9514 Mar 27 j 23:42	0°♓	
	-9514 May 12 j 14:08	0°♈	
evening set	-9514 May 30 j 01:21	11°♈57'59	
max. Earth dist.	-9514 Jun 15 j 03:38	23°♈13'58	2.49046 AU
	-9514 Jun 24 j 15:55	0°♉	
conjunction	-9514 Jul 21 j 13:57	19°♉34'24	1°12'33
minimum elong	-9514 Jul 21 j 14:13	19°♉34'53	1°12'57
	-9514 Aug 04 j 14:22	0°♊	
	-9514 Sep 13 j 00:02	0°♋	
morning rise	-9514 Sep 16 j 00:31	2°♋19'55	
	-9514 Oct 21 j 15:06	0°♌	
	-9514 Nov 29 j 08:02	0°♍	
desc. node	-9514 Dec 14 j 18:31	11°♍47'46	
	-9513 Jan 08 j 00:31	0°♎	
	-9513 Feb 18 j 16:18	0°♏	
	-9513 Apr 04 j 17:12	0°♐	
	-9513 May 27 j 00:08	0°♑	
retrograde	-9513 Jul 31 j 00:59	19°♑41'34	
min. Earth dist.	-9513 Sep 07 j 04:55	10°♑31'52	0.65617 AU
opposition	-9513 Sep 08 j 23:03	9°♑49'21	-3°04'12
greatest brilliancy	-9513 Sep 08 j 19:16	9°♑53'09	-1.4m
direct	-9513 Oct 18 j 08:08	0°♑21'13	
asc. node	-9513 Dec 01 j 11:15	9°♑56'26	
	-9512 Jan 13 j 21:18	0°♒	
	-9512 Mar 06 j 06:50	0°♓	
	-9512 Apr 22 j 02:48	0°♈	
	-9512 Jun 04 j 11:23	0°♉	
	-9512 Jul 15 j 06:54	0°♊	
evening set	-9512 Jul 20 j 10:33	3°♊53'28	
	-9512 Aug 23 j 09:45	0°♋	
max. Earth dist.	-9512 Sep 05 j 18:11	10°♋25'13	2.38313 AU
conjunction	-9512 Sep 18 j 16:15	20°♋32'39	0°31'43
minimum elong	-9512 Sep 18 j 18:52	20°♋37'49	0°32'14
	-9512 Sep 30 j 17:19	0°♌	
desc. node	-9512 Oct 31 j 11:30	24°♌03'13	
	-9512 Nov 08 j 03:30	0°♍	
morning rise	-9512 Nov 23 j 02:38	11°♍30'56	
	-9512 Dec 17 j 13:02	0°♎	
	-9511 Jan 27 j 16:13	0°♏	
	-9511 Mar 12 j 05:44	0°♐	
	-9511 Apr 28 j 02:36	0°♑	
	-9511 Jun 20 j 01:32	0°♒	
retrograde	-9511 Sep 03 j 04:26	23°♒52'47	
opposition	-9511 Oct 12 j 10:29	14°♒30'23	-0°14'45
greatest brilliancy	-9511 Oct 12 j 11:04	14°♒29'48	-1.4m
min. Earth dist.	-9511 Oct 14 j 09:48	13°♒43'07	0.66081 AU
asc. node	-9511 Oct 18 j 16:19	12°♒01'57	
direct	-9511 Nov 22 j 04:31	4°♒33'31	
	-9510 Feb 08 j 04:34	0°♓	
	-9510 Mar 31 j 10:01	0°♈	
	-9510 May 15 j 02:22	0°♉	
	-9510 Jun 25 j 08:12	0°♊	
	-9510 Aug 03 j 14:02	0°♋	
	-9510 Sep 10 j 22:37	0°♌	
desc. node	-9510 Sep 18 j 07:57	5°♌47'29	
evening set	-9510 Sep 22 j 22:18	9°♌23'26	
	-9510 Oct 19 j 10:02	0°♍	
conjunction	-9510 Nov 24 j 18:14	27°♍39'43	-0°46'33
minimum elong	-9510 Nov 24 j 15:12	27°♍34'01	0°46'26
	-9510 Nov 27 j 21:20	0°♎	
max. Earth dist.	-9509 Jan 07 j 23:28	29°♎57'22	2.47136 AU
	-9509 Jan 08 j 00:57	0°♏	
morning rise	-9509 Jan 24 j 11:27	11°♏34'45	
	-9509 Feb 20 j 07:36	0°♐	
	-9509 Apr 06 j 22:24	0°♑	
	-9509 May 25 j 05:24	0°♒	
	-9509 Jul 17 j 00:18	0°♓	
asc. node	-9509 Sep 05 j 17:58	22°♓42'48	
retrograde	-9509 Oct 11 j 18:28	29°♓26'42	
opposition	-9509 Nov 18 j 06:16	20°♓58'55	2°57'42
greatest brilliancy	-9509 Nov 18 j 18:37	20°♓47'01	-1.6m
min. Earth dist.	-9509 Nov 23 j 19:58	18°♓50'14	0.60442 AU
direct	-9509 Dec 28 j 21:41	11°♓07'53	
	-9508 Feb 29 j 11:45	0°♈	
	-9508 Apr 20 j 06:16	0°♉	
	-9508 Jun 02 j 09:01	0°♊	
	-9508 Jul 12 j 11:24	0°♋	
desc. node	-9508 Aug 05 j 08:01	18°♋21'08	
	-9508 Aug 20 j 09:18	0°♌	
	-9508 Sep 28 j 08:10	0°♍	
	-9508 Nov 07 j 06:21	0°♎	
evening set	-9508 Nov 23 j 12:06	11°♎53'11	
	-9508 Dec 18 j 19:29	0°♏	
conjunction	-9507 Jan 18 j 11:36	21°♏17'41	-1°12'55
minimum elong	-9507 Jan 18 j 11:47	21°♏18'00	1°13'20
	-9507 Jan 31 j 07:29	0°♐	
max. Earth dist.	-9507 Feb 14 j 06:43	9°♐21'31	2.58416 AU
morning rise	-9507 Mar 12 j 04:23	26°♐24'28	
	-9507 Mar 17 j 17:02	0°♑	
	-9507 May 03 j 17:17	0°♒	
	-9507 Jun 21 j 04:38	0°♓	
asc. node	-9507 Jul 23 j 14:32	19°♓22'54	
	-9507 Aug 11 j 00:22	0°♈	
	-9507 Oct 09 j 04:04	0°♉	
retrograde	-9507 Nov 28 j 18:29	12°♉20'42	
opposition	-9506 Jan 02 j 04:10	5°♉23'48	5°58'46
greatest brilliancy	-9506 Jan 03 j 18:44	4°♉50'21	-2.1m
min. Earth dist.	-9506 Jan 10 j 07:41	2°♉35'22	0.49524 AU
	-9506 Jan 18 j 17:05	30°℞♈	
direct	-9506 Feb 09 j 02:42	26°♈53'23	
	-9506 Mar 03 j 05:12	0°♉	
	-9506 May 04 j 01:23	0°♊	
	-9506 Jun 17 j 06:19	0°♋	
desc. node	-9506 Jun 23 j 10:35	4°♋26'21	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9506 Jul 28 j 05:58	0°♌	
	-9506 Sep 06 j 15:37	0°♍	
	-9506 Oct 17 j 17:49	0°♎	
	-9506 Nov 29 j 05:39	0°♏	
evening set	-9505 Jan 12 j 12:32	0°♐04'00	
	-9505 Jan 12 j 10:08	0°♐	
	-9505 Feb 27 j 03:18	0°♑	
conjunction	-9505 Mar 03 j 23:51	3°♑08'27	-0°51'39
minimum elong	-9505 Mar 04 j 01:27	3°♑11'02	0°52'12
max. Earth dist.	-9505 Mar 13 j 17:45	9°♑25'27	2.65102 AU
	-9505 Apr 14 j 20:48	0°♒	
morning rise	-9505 Apr 21 j 02:29	3°♒58'43	
	-9505 May 31 j 23:32	0°♓	
asc. node	-9505 Jun 10 j 07:44	5°♓56'43	
	-9505 Jul 18 j 02:38	0°♈	
	-9505 Sep 03 j 11:39	0°♉	
	-9505 Oct 22 j 08:59	0°♊	
	-9505 Dec 17 j 05:28	0°♋	
retrograde	-9504 Feb 07 j 02:38	13°♋40'30	
opposition	-9504 Mar 08 j 21:57	8°♋31'22	4°35'46
greatest brilliancy	-9504 Mar 09 j 15:31	8°♋19'20	-2.8m
min. Earth dist.	-9504 Mar 12 j 04:08	7°♋37'58	0.38884 AU
direct	-9504 Apr 09 j 11:53	3°♋01'09	
desc. node	-9504 May 10 j 16:13	8°♋58'21	
	-9504 Jun 22 j 18:20	0°♌	
	-9504 Aug 09 j 10:37	0°♍	
	-9504 Sep 23 j 07:38	0°♎	
	-9504 Nov 07 j 04:21	0°♏	
	-9504 Dec 22 j 21:27	0°♐	
	-9503 Feb 07 j 11:58	0°♑	
evening set	-9503 Feb 22 j 09:30	9°♑30'39	
	-9503 Mar 26 j 12:31	0°♒	
max. Earth dist.	-9503 Apr 05 j 23:35	6°♒41'04	2.66468 AU
conjunction	-9503 Apr 11 j 09:30	10°♒08'53	-0°09'06
minimum elong	-9503 Apr 11 j 09:51	10°♒09'27	0°09'35
behind sun begin	-9503 Apr 10 j 18:02	9°♒44'09	
behind sun end	-9503 Apr 12 j 01:41	10°♒34'47	
asc. node	-9503 Apr 27 j 00:29	20°♒10'38	
	-9503 May 12 j 05:50	0°♓	
morning rise	-9503 May 27 j 19:24	10°♓06'48	
	-9503 Jun 27 j 01:19	0°♈	
	-9503 Aug 10 j 16:56	0°♉	
	-9503 Sep 23 j 07:14	0°♊	
	-9503 Nov 05 j 06:37	0°♋	
	-9503 Dec 18 j 12:11	0°♌	
	-9502 Feb 02 j 12:38	0°♍	
desc. node	-9502 Mar 28 j 20:03	25°♍54'00	
retrograde	-9502 Apr 20 j 01:45	29°♍11'50	
min. Earth dist.	-9502 May 17 j 08:13	24°♍22'57	0.42740 AU
opposition	-9502 May 24 j 20:55	21°♍59'11	-3°49'07
greatest brilliancy	-9502 May 23 j 18:13	22°♍20'31	-2.6m
direct	-9502 Jun 25 j 09:43	15°♍59'59	
	-9502 Aug 16 j 22:38	0°♎	
	-9502 Oct 12 j 08:03	0°♏	
	-9502 Dec 01 j 08:27	0°♐	
	-9501 Jan 19 j 00:38	0°♑	
	-9501 Mar 07 j 23:47	0°♒	
asc. node	-9501 Mar 14 j 20:13	4°♒19'57	
evening set	-9501 Apr 02 j 13:19	16°♒14'37	
	-9501 Apr 23 j 21:32	0°♓	
max. Earth dist.	-9501 May 01 j 06:28	4°♓48'03	2.62503 AU
conjunction	-9501 May 20 j 11:19	17°♓26'17	0°37'38
minimum elong	-9501 May 20 j 09:59	17°♓24'04	0°37'25
	-9501 Jun 08 j 05:57	0°♈	

morning rise	-9501 Jul 06 j 23:22	19°♈38'40	
	-9501 Jul 21 j 19:24	0°♉	
	-9501 Sep 01 j 16:18	0°♊	
	-9501 Oct 12 j 06:29	0°♋	
	-9501 Nov 21 j 04:43	0°♌	
	-9501 Dec 31 j 08:35	0°♍	
	-9500 Feb 11 j 04:48	0°♎	
desc. node	-9500 Feb 13 j 18:44	1°♎46'36	
	-9500 Mar 29 j 01:40	0°♏	
retrograde	-9500 Jun 08 j 10:08	25°♏09'45	
min. Earth dist.	-9500 Jul 10 j 08:38	18°♏16'52	0.54985 AU
greatest brilliancy	-9500 Jul 15 j 21:30	16°♏09'35	-1.9m
opposition	-9500 Jul 17 j 03:51	15°♏40'23	-5°37'19
direct	-9500 Aug 21 j 17:16	7°♏42'52	
	-9500 Nov 01 j 15:40	0°♐	
	-9500 Dec 27 j 02:22	0°♑	
asc. node	-9499 Jan 29 j 20:38	19°♑54'47	
	-9499 Feb 15 j 11:13	0°♒	
	-9499 Apr 04 j 05:54	0°♓	
evening set	-9499 May 12 j 13:28	25°♓11'49	
	-9499 May 19 j 16:14	0°♈	
max. Earth dist.	-9499 May 30 j 16:22	7°♈30'25	2.53597 AU
	-9499 Jul 01 j 19:30	0°♉	
conjunction	-9499 Jul 02 j 01:33	0°♉10'48	1°10'06
minimum elong	-9499 Jul 02 j 00:31	0°♉08'56	1°10'21
	-9499 Aug 11 j 22:07	0°♊	
morning rise	-9499 Aug 23 j 19:46	8°♊54'54	
	-9499 Sep 20 j 13:07	0°♋	
	-9499 Oct 29 j 09:37	0°♌	
	-9499 Dec 07 j 07:43	0°♍	
desc. node	-9499 Dec 31 j 14:16	18°♍22'15	
	-9498 Jan 16 j 06:29	0°♎	
	-9498 Feb 27 j 10:22	0°♏	
	-9498 Apr 14 j 22:32	0°♐	
	-9498 Jun 15 j 00:32	0°♑	
retrograde	-9498 Jul 17 j 05:59	5°♑55'57	
	-9498 Aug 15 j 22:41	30°℞♐	
min. Earth dist.	-9498 Aug 22 j 22:07	27°♐17'31	0.63761 AU
opposition	-9498 Aug 26 j 03:27	25°♐59'43	-4°00'39
greatest brilliancy	-9498 Aug 25 j 17:41	26°♐09'33	-1.5m
direct	-9498 Oct 03 j 15:57	16°♐50'24	
	-9498 Nov 25 j 16:19	0°♑	
asc. node	-9498 Dec 18 j 00:51	10°♑15'12	
	-9497 Jan 24 j 03:14	0°♒	
	-9497 Mar 15 j 09:41	0°♓	
	-9497 Apr 30 j 14:38	0°♈	
	-9497 Jun 12 j 19:24	0°♉	
evening set	-9497 Jun 29 j 12:55	12°♉06'41	
max. Earth dist.	-9497 Jul 20 j 17:00	27°♉47'54	2.41705 AU
	-9497 Jul 23 j 15:21	0°♊	
conjunction	-9497 Aug 25 j 11:58	25°♊05'15	0°56'28
minimum elong	-9497 Aug 25 j 14:46	25°♊10'42	0°57'00
	-9497 Aug 31 j 20:10	0°♋	
	-9497 Oct 09 j 05:50	0°♌	
morning rise	-9497 Oct 27 j 09:27	14°♌11'58	
	-9497 Nov 16 j 17:27	0°♍	
desc. node	-9497 Nov 18 j 07:59	1°♍14'25	
	-9497 Dec 26 j 04:01	0°♎	
	-9496 Feb 05 j 09:23	0°♏	
	-9496 Mar 20 j 06:30	0°♐	
	-9496 May 07 j 06:27	0°♑	
	-9496 Jul 04 j 22:06	0°♒	
retrograde	-9496 Aug 20 j 09:58	10°♒50'54	
opposition	-9496 Sep 29 j 01:11	1°♒13'49	-1°23'50
greatest brilliancy	-9496 Sep 29 j 02:14	1°♒12'46	-1.4m

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

min. Earth dist.	-9496 Sep 29 j 13:36	1°♒01'20	0.66641 AU
	-9496 Oct 02 j 02:45	30°℞♑	
asc. node	-9496 Nov 04 j 06:37	21°♑31'27	
direct	-9496 Nov 08 j 09:41	21°♑24'53	
	-9496 Dec 19 j 16:42	0°♒	
	-9495 Feb 19 j 06:36	0°♓	
	-9495 Apr 09 j 01:14	0°♈	
	-9495 May 23 j 00:52	0°♉	
	-9495 Jul 03 j 00:52	0°♊	
	-9495 Aug 11 j 04:27	0°♋	
evening set	-9495 Aug 27 j 19:56	13°♋00'05	
	-9495 Sep 18 j 11:45	0°♌	
desc. node	-9495 Oct 05 j 01:57	13°♌00'36	
	-9495 Oct 26 j 21:42	0°♍	
conjunction	-9495 Oct 30 j 06:04	2°♍35'16	-0°18'56
minimum elong	-9495 Oct 30 j 04:23	2°♍32'01	0°18'34
	-9495 Dec 05 j 07:13	0°♎	
max. Earth dist.	-9495 Dec 14 j 06:16	6°♎39'55	2.42198 AU
morning rise	-9494 Jan 02 j 04:46	20°♎31'50	
	-9494 Jan 15 j 09:14	0°♏	
	-9494 Feb 27 j 16:09	0°♐	
	-9494 Apr 14 j 13:39	0°♑	
	-9494 Jun 02 j 22:12	0°♒	
	-9494 Jul 30 j 07:10	0°♓	
asc. node	-9494 Sep 22 j 09:27	15°♓13'03	
retrograde	-9494 Sep 25 j 23:48	15°♓17'50	
opposition	-9494 Nov 03 j 07:33	6°♓25'05	1°41'06
greatest brilliancy	-9494 Nov 03 j 12:39	6°♓20'05	-1.5m
min. Earth dist.	-9494 Nov 07 j 12:04	4°♓46'27	0.63379 AU
	-9494 Nov 20 j 23:43	30°℞♒	
direct	-9494 Dec 14 j 05:14	26°♒25'59	
	-9493 Jan 08 j 04:27	0°♓	
	-9493 Mar 14 j 23:22	0°♈	
	-9493 May 01 j 01:31	0°♉	
	-9493 Jun 12 j 03:22	0°♊	
	-9493 Jul 21 j 18:25	0°♋	
desc. node	-9493 Aug 23 j 00:59	25°♋03'49	
	-9493 Aug 29 j 08:56	0°♌	
	-9493 Oct 07 j 01:23	0°♍	
evening set	-9493 Nov 01 j 14:18	19°♍25'56	
	-9493 Nov 15 j 17:35	0°♎	
	-9493 Dec 27 j 01:26	0°♏	
conjunction	-9493 Dec 30 j 12:07	2°♏26'20	-1°10'04
minimum elong	-9493 Dec 30 j 10:47	2°♏23'57	1°10'19
max. Earth dist.	-9492 Feb 02 j 15:11	26°♏05'18	2.54460 AU
	-9492 Feb 08 j 09:41	0°♐	
morning rise	-9492 Feb 23 j 23:11	10°♐26'04	
	-9492 Mar 24 j 19:08	0°♑	
	-9492 May 11 j 02:53	0°♒	
	-9492 Jun 29 j 15:32	0°♓	
asc. node	-9492 Aug 09 j 07:42	22°♓55'16	
	-9492 Aug 22 j 23:04	0°♈	
retrograde	-9492 Nov 07 j 19:17	24°♈22'53	
opposition	-9492 Dec 13 j 13:56	16°♈44'41	4°55'48
greatest brilliancy	-9492 Dec 14 j 18:17	16°♈18'42	-1.9m
min. Earth dist.	-9492 Dec 21 j 00:01	14°♈01'58	0.54306 AU
direct	-9491 Jan 22 j 00:29	7°♈29'00	
	-9491 Mar 30 j 12:44	0°♉	
	-9491 May 17 j 02:39	0°♊	
	-9491 Jun 27 j 19:24	0°♋	
desc. node	-9491 Jul 10 j 04:01	9°♋14'00	
	-9491 Aug 06 j 14:58	0°♌	
	-9491 Sep 15 j 05:43	0°♍	
	-9491 Oct 25 j 17:09	0°♎	
	-9491 Dec 06 j 17:17	0°♏	
evening set	-9491 Dec 25 j 09:26	12°♏56'10	
	-9490 Jan 19 j 13:06	0°♐	
conjunction	-9490 Feb 15 j 15:13	17°♐58'17	-1°03'34
minimum elong	-9490 Feb 15 j 16:43	18°♐00'44	1°04'07
max. Earth dist.	-9490 Mar 03 j 16:51	28°♐27'59	2.63098 AU
	-9490 Mar 06 j 01:31	0°♑	
morning rise	-9490 Apr 06 j 03:38	20°♑00'54	
	-9490 Apr 21 j 19:34	0°♒	
	-9490 Jun 08 j 06:58	0°♓	
asc. node	-9490 Jun 27 j 01:20	11°♓45'46	
	-9490 Jul 26 j 09:16	0°♈	
	-9490 Sep 14 j 00:51	0°♉	
	-9490 Nov 08 j 18:11	0°♊	
retrograde	-9489 Jan 07 j 21:24	16°♊53'38	
opposition	-9489 Feb 08 j 17:31	11°♊11'06	6°17'44
greatest brilliancy	-9489 Feb 10 j 08:10	10°♊42'06	-2.6m
min. Earth dist.	-9489 Feb 15 j 16:19	9°♊06'31	0.42168 AU
direct	-9489 Mar 15 j 01:24	4°♊30'12	
	-9489 May 24 j 16:00	0°♋	
desc. node	-9489 May 28 j 07:56	2°♋10'51	
	-9489 Jul 10 j 02:44	0°♌	
	-9489 Aug 22 j 02:35	0°♍	
	-9489 Oct 03 j 19:54	0°♎	
	-9489 Nov 16 j 10:35	0°♏	
	-9489 Dec 31 j 09:05	0°♐	
evening set	-9488 Feb 07 j 16:37	24°♐56'46	
	-9488 Feb 15 j 12:47	0°♑	
conjunction	-9488 Mar 27 j 09:05	26°♑10'09	-0°26'54
minimum elong	-9488 Mar 27 j 10:06	26°♑11'46	0°27'25
max. Earth dist.	-9488 Mar 27 j 19:15	26°♑26'23	2.66568 AU
	-9488 Apr 02 j 08:57	0°♒	
morning rise	-9488 May 13 j 03:51	26°♒07'47	
asc. node	-9488 May 13 j 18:02	26°♒30'36	
	-9488 May 19 j 04:09	0°♓	
	-9488 Jul 04 j 08:55	0°♈	
	-9488 Aug 18 j 18:53	0°♉	
	-9488 Oct 02 j 16:02	0°♊	
	-9488 Nov 16 j 18:14	0°♋	
	-9487 Jan 03 j 03:46	0°♌	
	-9487 Mar 12 j 14:56	0°♍	
retrograde	-9487 Mar 25 j 15:06	1°♍07'52	
	-9487 Apr 07 j 14:48	30°℞♌	
desc. node	-9487 Apr 14 j 11:44	28°♌35'48	
min. Earth dist.	-9487 Apr 22 j 08:39	26°♌32'01	0.39205 AU
opposition	-9487 Apr 26 j 23:23	25°♌13'10	-0°58'04
greatest brilliancy	-9487 Apr 26 j 18:22	25°♌16'46	-2.9m
direct	-9487 May 27 j 09:24	19°♌57'29	
	-9487 Jul 09 j 01:42	0°♍	
	-9487 Sep 04 j 06:42	0°♎	
	-9487 Oct 23 j 04:43	0°♏	
	-9487 Dec 09 j 20:55	0°♐	
	-9486 Jan 26 j 12:03	0°♑	
	-9486 Mar 14 j 23:54	0°♒	
evening set	-9486 Mar 18 j 08:57	2°♒08'47	
asc. node	-9486 Mar 31 j 12:47	10°♒32'01	
max. Earth dist.	-9486 Apr 21 j 03:03	23°♒45'31	2.64670 AU
	-9486 Apr 30 j 18:25	0°♓	
conjunction	-9486 May 05 j 01:12	2°♓47'02	0°20'02
minimum elong	-9486 May 05 j 00:26	2°♓45'48	0°19'42
	-9486 Jun 15 j 05:51	0°♈	
morning rise	-9486 Jun 20 j 17:57	3°♈42'10	
	-9486 Jul 29 j 03:25	0°♉	
	-9486 Sep 09 j 12:56	0°♊	
	-9486 Oct 20 j 19:06	0°♋	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9486 Nov 30 j 12:43	0°♌	
	-9485 Jan 10 j 18:46	0°♍	
	-9485 Feb 23 j 19:09	0°♎	
desc. node	-9485 Mar 02 j 13:27	4°♎15'39	
	-9485 Apr 21 j 18:36	0°♏	
retrograde	-9485 May 22 j 20:56	6°♏05'00	
	-9485 Jun 21 j 19:52	30°℞♎	
min. Earth dist.	-9485 Jun 21 j 15:45	0°♏03'39	0.50262 AU
greatest brilliancy	-9485 Jun 28 j 00:08	27°♎44'56	-2.1m
opposition	-9485 Jun 29 j 12:06	27°♎11'56	-5°36'00
direct	-9485 Aug 02 j 14:45	19°♎55'15	
	-9485 Sep 15 j 16:29	0°♏	
	-9485 Nov 15 j 05:06	0°♐	
	-9484 Jan 05 j 19:53	0°♑	
asc. node	-9484 Feb 16 j 11:24	25°♑20'44	
	-9484 Feb 23 j 23:36	0°♒	
	-9484 Apr 11 j 07:44	0°♓	
evening set	-9484 Apr 26 j 02:35	9°♓37'49	
max. Earth dist.	-9484 May 17 j 19:45	24°♓01'59	2.57601 AU
	-9484 May 26 j 16:11	0°♈	
conjunction	-9484 Jun 14 j 05:14	12°♈41'07	1°00'49
minimum elong	-9484 Jun 14 j 03:38	12°♈38'20	1°00'51
	-9484 Jul 08 j 22:21	0°♉	
morning rise	-9484 Aug 03 j 06:28	18°♉14'09	
	-9484 Aug 19 j 06:50	0°♊	
	-9484 Sep 28 j 05:06	0°♋	
	-9484 Nov 06 j 09:23	0°♌	
	-9484 Dec 15 j 15:30	0°♍	
desc. node	-9483 Jan 17 j 09:41	24°♍26'28	
	-9483 Jan 25 j 00:46	0°♎	
	-9483 Mar 09 j 02:20	0°♏	
	-9483 Apr 27 j 16:16	0°♐	
retrograde	-9483 Jul 02 j 22:26	21°♐19'57	
min. Earth dist.	-9483 Aug 06 j 21:47	13°♐18'13	0.60984 AU
opposition	-9483 Aug 11 j 14:10	11°♐26'15	-4°48'59
greatest brilliancy	-9483 Aug 10 j 20:41	11°♐43'41	-1.6m
direct	-9483 Sep 18 j 02:00	2°♐40'29	
	-9483 Dec 10 j 00:21	0°♑	
asc. node	-9482 Jan 03 j 14:25	13°♑07'01	
	-9482 Feb 02 j 02:25	0°♒	
	-9482 Mar 23 j 02:19	0°♓	
	-9482 May 07 j 21:54	0°♈	
evening set	-9482 Jun 09 j 14:31	22°♈34'51	
	-9482 Jun 20 j 01:05	0°♉	
max. Earth dist.	-9482 Jun 25 j 17:30	4°♉04'53	2.46391 AU
	-9482 Jul 30 j 22:49	0°♊	
conjunction	-9482 Aug 02 j 13:19	1°♊57'23	1°09'52
minimum elong	-9482 Aug 02 j 14:35	1°♊59'45	1°10'20
	-9482 Sep 08 j 06:34	0°♋	
morning rise	-9482 Sep 30 j 09:00	17°♋10'32	
	-9482 Oct 16 j 19:18	0°♌	
	-9482 Nov 24 j 09:32	0°♍	
desc. node	-9482 Dec 05 j 03:23	8°♍15'04	
	-9481 Jan 02 j 22:41	0°♎	
	-9481 Feb 13 j 08:55	0°♏	
	-9481 Mar 29 j 19:38	0°♐	
	-9481 May 18 j 20:50	0°♑	
retrograde	-9481 Aug 07 j 20:52	27°♑46'31	
opposition	-9481 Sep 16 j 17:43	17°♑58'31	-2°28'41
min. Earth dist.	-9481 Sep 15 j 18:55	18°♑21'32	0.66256 AU
greatest brilliancy	-9481 Sep 16 j 16:21	17°♑59'53	-1.4m
direct	-9481 Oct 26 j 12:22	8°♑21'58	
asc. node	-9481 Nov 21 j 19:37	12°♑08'38	
	-9480 Jan 06 j 03:19	0°♒	
	-9480 Feb 29 j 16:08	0°♓	
	-9480 Apr 17 j 02:38	0°♈	
	-9480 May 30 j 16:39	0°♉	
	-9480 Jul 10 j 14:06	0°♊	
evening set	-9480 Aug 02 j 16:59	17°♊36'20	
	-9480 Aug 18 j 17:17	0°♋	
	-9480 Sep 26 j 00:32	0°♌	
conjunction	-9480 Oct 03 j 12:52	5°♌53'58	0°14'02
minimum elong	-9480 Oct 03 j 14:12	5°♌56'36	0°14'31
behind sun begin	-9480 Oct 03 j 01:35	5°♌31'51	
behind sun end	-9480 Oct 04 j 02:49	6°♌21'21	
desc. node	-9480 Oct 21 j 22:28	20°♌18'00	
max. Earth dist.	-9480 Oct 24 j 14:27	22°♌22'39	2.38377 AU
	-9480 Nov 03 j 09:56	0°♍	
morning rise	-9480 Dec 08 j 05:25	26°♍35'47	
	-9480 Dec 12 j 18:19	0°♎	
	-9479 Jan 22 j 19:44	0°♏	
	-9479 Mar 07 j 04:50	0°♐	
	-9479 Apr 22 j 13:53	0°♑	
	-9479 Jun 12 j 17:27	0°♒	
	-9479 Aug 24 j 08:20	0°♓	
retrograde	-9479 Sep 11 j 07:56	1°♓52'06	
	-9479 Sep 28 j 03:52	30°℞♒	
asc. node	-9479 Oct 08 j 23:45	26°♒54'32	
opposition	-9479 Oct 20 j 07:05	22°♒39'08	0°26'59
greatest brilliancy	-9479 Oct 20 j 07:57	22°♒38'16	-1.4m
min. Earth dist.	-9479 Oct 23 j 01:19	21°♒33'17	0.65380 AU
direct	-9479 Nov 30 j 03:44	12°♒39'57	
	-9478 Jan 30 j 12:18	0°♓	
	-9478 Mar 25 j 10:54	0°♈	
	-9478 May 09 j 19:54	0°♉	
	-9478 Jun 20 j 08:10	0°♊	
	-9478 Jul 29 j 17:01	0°♋	
	-9478 Sep 06 j 03:28	0°♌	
desc. node	-9478 Sep 08 j 19:21	2°♌05'00	
evening set	-9478 Oct 07 j 13:51	24°♌30'47	
	-9478 Oct 14 j 16:07	0°♍	
	-9478 Nov 23 j 04:15	0°♎	
conjunction	-9478 Dec 08 j 07:00	11°♎10'33	-0°57'59
minimum elong	-9478 Dec 08 j 04:14	11°♎05'29	0°58'00
	-9477 Jan 03 j 08:18	0°♏	
max. Earth dist.	-9477 Jan 18 j 10:44	10°♏39'06	2.49841 AU
morning rise	-9477 Feb 05 j 02:07	22°♏51'16	
	-9477 Feb 15 j 14:03	0°♐	
	-9477 Apr 02 j 01:14	0°♑	
	-9477 May 19 j 20:50	0°♒	
	-9477 Jul 10 j 01:53	0°♓	
asc. node	-9477 Aug 26 j 23:40	24°♓08'25	
	-9477 Sep 10 j 15:12	0°♈	
retrograde	-9477 Oct 21 j 09:58	8°♈23'24	
opposition	-9477 Nov 27 j 08:32	0°♈11'21	3°41'43
	-9477 Nov 27 j 20:30	30°℞♓	
greatest brilliancy	-9477 Nov 28 j 02:10	29°♓54'37	-1.7m
min. Earth dist.	-9477 Dec 03 j 15:14	27°♓48'23	0.58477 AU
direct	-9476 Jan 06 j 16:30	20°♓29'00	
	-9476 Feb 17 j 10:55	0°♈	
	-9476 Apr 13 j 08:32	0°♉	
	-9476 May 27 j 12:51	0°♊	
	-9476 Jul 07 j 01:31	0°♋	
desc. node	-9476 Jul 26 j 19:40	15°♋04'32	
	-9476 Aug 15 j 05:25	0°♌	
	-9476 Sep 23 j 08:32	0°♍	
	-9476 Nov 02 j 10:05	0°♎	
evening set	-9476 Dec 05 j 14:25	23°♎59'56	
	-9476 Dec 14 j 02:00	0°♏	
	-9475 Jan 26 j 15:35	0°♐	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

conjunction	-9475 Jan 29 j 02:47	1°♐39'36	-1°11'09
minimum elong	-9475 Jan 29 j 03:37	1°♐41'00	1°11'38
max. Earth dist.	-9475 Feb 20 j 21:38	16°♐49'28	2.60297 AU
	-9475 Mar 13 j 01:06	0°♑	
morning rise	-9475 Mar 21 j 12:55	5°♑30'00	
	-9475 Apr 28 j 21:46	0°♒	
	-9475 Jun 15 j 22:10	0°♓	
asc. node	-9475 Jul 13 j 19:37	17°♓02'59	
	-9475 Aug 04 j 11:43	0°♈	
	-9475 Sep 27 j 11:02	0°♉	
retrograde	-9475 Dec 12 j 01:44	24°♉07'40	
opposition	-9474 Jan 14 j 15:30	17°♉36'28	6°21'35
greatest brilliancy	-9474 Jan 16 j 09:38	17°♉01'32	-2.3m
min. Earth dist.	-9474 Jan 22 j 20:44	14°♉54'10	0.46820 AU
direct	-9474 Feb 20 j 11:47	9°♉40'10	
	-9474 Apr 23 j 08:43	0°♊	
	-9474 Jun 09 j 19:50	0°♋	
desc. node	-9474 Jun 13 j 23:38	2°♋52'34	
	-9474 Jul 21 j 22:50	0°♌	
	-9474 Aug 31 j 23:45	0°♍	
	-9474 Oct 12 j 11:59	0°♎	
	-9474 Nov 24 j 06:59	0°♏	
	-9473 Jan 07 j 16:10	0°♐	
evening set	-9473 Jan 22 j 07:35	9°♐40'29	
	-9473 Feb 22 j 12:05	0°♑	
conjunction	-9473 Mar 13 j 00:55	11°♑56'33	-0°43'14
minimum elong	-9473 Mar 13 j 02:23	11°♑58'56	0°43'47
max. Earth dist.	-9473 Mar 19 j 09:04	16°♑00'38	2.65853 AU
	-9473 Apr 10 j 05:46	0°♒	
morning rise	-9473 Apr 29 j 13:31	12°♒20'18	
	-9473 May 27 j 05:00	0°♓	
asc. node	-9473 May 31 j 12:42	2°♓45'54	
	-9473 Jul 12 j 22:39	0°♈	
	-9473 Aug 28 j 10:54	0°♉	
	-9473 Oct 14 j 10:12	0°♊	
	-9473 Dec 03 j 00:22	0°♋	
	-9472 Feb 13 j 15:30	0°♌	
retrograde	-9472 Feb 24 j 22:39	0°♌47'44	
	-9472 Mar 07 j 04:28	30°℞♋	
opposition	-9472 Mar 26 j 16:57	25°♋38'41	2°46'55
greatest brilliancy	-9472 Mar 26 j 21:36	25°♋35'35	-2.9m
min. Earth dist.	-9472 Mar 27 j 02:16	25°♋32'29	0.38175 AU
direct	-9472 Apr 26 j 05:30	20°♋29'58	
desc. node	-9472 May 01 j 04:23	20°♋39'28	
	-9472 Jun 06 j 00:29	0°♌	
	-9472 Jul 31 j 16:46	0°♍	
	-9472 Sep 16 j 17:34	0°♎	
	-9472 Nov 01 j 14:31	0°♏	
	-9472 Dec 17 j 20:27	0°♐	
	-9471 Feb 02 j 18:05	0°♑	
evening set	-9471 Mar 03 j 04:22	18°♑04'37	
	-9471 Mar 21 j 21:57	0°♒	
max. Earth dist.	-9471 Apr 11 j 11:39	13°♒08'46	2.66059 AU
asc. node	-9471 Apr 17 j 06:17	16°♒51'05	
conjunction	-9471 Apr 19 j 23:12	18°♒35'22	0°01'36
minimum elong	-9471 Apr 19 j 23:10	18°♒35'19	0°01'11
behind sun begin	-9471 Apr 19 j 03:45	18°♒04'07	
behind sun end	-9471 Apr 20 j 18:36	19°♒06'31	
	-9471 May 07 j 15:28	0°♓	
morning rise	-9471 Jun 05 j 08:33	18°♓45'21	
	-9471 Jun 22 j 07:58	0°♈	
	-9471 Aug 05 j 16:25	0°♉	
	-9471 Sep 17 j 18:52	0°♊	
	-9471 Oct 29 j 23:59	0°♋	
	-9471 Dec 11 j 00:55	0°♌	
	-9470 Jan 23 j 11:05	0°♍	
	-9470 Mar 14 j 22:29	0°♎	
desc. node	-9470 Mar 19 j 06:13	2°♎04'25	
retrograde	-9470 May 02 j 21:45	13°♎54'06	
min. Earth dist.	-9470 May 30 j 18:24	8°♎43'15	0.45330 AU
greatest brilliancy	-9470 Jun 06 j 11:08	6°♎28'12	-2.4m
opposition	-9470 Jun 07 j 20:57	5°♎59'33	-4°48'07
	-9470 Jul 01 j 21:35	30°℞♍	
direct	-9470 Jul 10 j 09:06	29°♍31'24	
	-9470 Jul 19 j 00:18	0°♎	
	-9470 Oct 04 j 03:47	0°♏	
	-9470 Nov 25 j 09:40	0°♐	
	-9469 Jan 13 j 21:46	0°♑	
	-9469 Mar 03 j 05:42	0°♒	
asc. node	-9469 Mar 05 j 03:09	1°♒11'24	
evening set	-9469 Apr 11 j 08:42	24°♒52'38	
	-9469 Apr 19 j 06:54	0°♓	
max. Earth dist.	-9469 May 07 j 10:20	11°♓51'04	2.60984 AU
conjunction	-9469 May 29 j 13:36	26°♓34'22	0°46'57
minimum elong	-9469 May 29 j 12:03	26°♓31'45	0°46'50
	-9469 Jun 03 j 15:42	0°♈	
morning rise	-9469 Jul 16 j 18:10	29°♈44'46	
	-9469 Jul 17 j 02:49	0°♉	
	-9469 Aug 27 j 19:26	0°♊	
	-9469 Oct 07 j 03:26	0°♋	
	-9469 Nov 15 j 18:10	0°♌	
	-9469 Dec 25 j 12:00	0°♍	
desc. node	-9468 Feb 04 j 05:51	29°♍44'32	
	-9468 Feb 04 j 14:36	0°♎	
	-9468 Mar 20 j 10:06	0°♏	
	-9468 May 18 j 18:07	0°♐	
retrograde	-9468 Jun 17 j 17:39	5°♐28'26	
	-9468 Jul 15 j 20:40	30°℞♏	
min. Earth dist.	-9468 Jul 20 j 19:20	28°♏09'16	0.57334 AU
opposition	-9468 Jul 26 j 21:33	25°♏46'26	-5°25'09
greatest brilliancy	-9468 Jul 25 j 19:33	26°♏11'53	-1.8m
direct	-9468 Sep 01 j 04:28	17°♏29'50	
	-9468 Oct 22 j 00:42	0°♐	
	-9468 Dec 20 j 20:54	0°♑	
asc. node	-9467 Jan 20 j 03:57	17°♑23'15	
	-9467 Feb 10 j 07:01	0°♒	
	-9467 Mar 30 j 11:04	0°♓	
	-9467 May 15 j 00:53	0°♈	
evening set	-9467 May 22 j 09:41	5°♈00'33	
max. Earth dist.	-9467 Jun 08 j 04:04	16°♈34'48	2.51142 AU
	-9467 Jun 27 j 04:26	0°♉	
conjunction	-9467 Jul 12 j 22:06	11°♉20'14	1°12'30
minimum elong	-9467 Jul 12 j 21:42	11°♉19'31	1°12'50
	-9467 Aug 07 j 05:45	0°♊	
morning rise	-9467 Sep 05 j 14:13	22°♊11'52	
	-9467 Sep 15 j 18:17	0°♋	
	-9467 Oct 24 j 11:54	0°♌	
	-9467 Dec 02 j 06:40	0°♍	
desc. node	-9467 Dec 22 j 00:52	15°♍03'00	
	-9466 Jan 11 j 00:36	0°♎	
	-9466 Feb 21 j 19:26	0°♏	
	-9466 Apr 08 j 06:07	0°♐	
	-9466 Jun 01 j 17:07	0°♑	
retrograde	-9466 Jul 25 j 05:57	14°♑21'03	
min. Earth dist.	-9466 Aug 31 j 18:00	5°♑25'06	0.64897 AU
opposition	-9466 Sep 03 j 04:22	4°♑26'14	-3°28'42
greatest brilliancy	-9466 Sep 02 j 22:09	4°♑32'30	-1.4m
	-9466 Sep 14 j 19:56	30°℞♐	
direct	-9466 Oct 12 j 04:47	25°♐06'07	
	-9466 Nov 11 j 11:12	0°♑	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

asc. node	-9466 Dec 08 j 08:33	10°♋00'19	
	-9465 Jan 17 j 16:34	0°♒	
	-9465 Mar 10 j 03:34	0°♓	
	-9465 Apr 25 j 18:18	0°♈	
	-9465 Jun 08 j 02:26	0°♉	
evening set	-9465 Jul 11 j 16:27	24°♉32'44	
	-9465 Jul 18 j 23:10	0°♊	
max. Earth dist.	-9465 Aug 11 j 21:36	18°♊12'59	2.39492 AU
	-9465 Aug 27 j 03:20	0°♋	
conjunction	-9465 Sep 08 j 11:17	9°♋36'26	0°43'42
minimum elong	-9465 Sep 08 j 14:19	9°♋42'20	0°44'14
	-9465 Oct 04 j 11:56	0°♌	
desc. node	-9465 Nov 08 j 17:41	27°♌31'30	
	-9465 Nov 11 j 22:22	0°♍	
morning rise	-9465 Nov 12 j 02:05	0°♍07'12	
	-9465 Dec 21 j 07:21	0°♎	
	-9464 Jan 31 j 10:07	0°♏	
	-9464 Mar 15 j 00:42	0°♐	
	-9464 May 01 j 05:19	0°♑	
	-9464 Jun 24 j 18:34	0°♒	
retrograde	-9464 Aug 28 j 07:37	18°♒45'55	
opposition	-9464 Oct 06 j 18:04	9°♒16'25	-0°44'07
greatest brilliancy	-9464 Oct 06 j 19:12	9°♒15'17	-1.4m
min. Earth dist.	-9464 Oct 08 j 01:20	8°♒45'04	0.66451 AU
asc. node	-9464 Oct 25 j 13:52	2°♒29'33	
	-9464 Nov 06 j 13:56	30°℞♑	
direct	-9464 Nov 16 j 08:18	29°♑22'39	
	-9464 Nov 26 j 12:59	0°♒	
	-9463 Feb 12 j 10:57	0°♓	
	-9463 Apr 03 j 14:17	0°♈	
	-9463 May 18 j 00:26	0°♉	
	-9463 Jun 28 j 04:47	0°♊	
	-9463 Aug 06 j 10:03	0°♋	
evening set	-9463 Sep 11 j 12:03	28°♋14'02	
	-9463 Sep 13 j 18:04	0°♌	
desc. node	-9463 Sep 25 j 13:19	9°♌15'20	
	-9463 Oct 22 j 04:19	0°♍	
conjunction	-9463 Nov 13 j 21:22	17°♍25'22	-0°35'37
minimum elong	-9463 Nov 13 j 18:35	17°♍20'05	0°35'23
	-9463 Nov 30 j 13:44	0°♎	
max. Earth dist.	-9463 Dec 29 j 12:14	21°♎17'19	2.44891 AU
	-9462 Jan 10 j 15:23	0°♏	
morning rise	-9462 Jan 15 j 04:09	3°♏13'18	
	-9462 Feb 22 j 20:32	0°♐	
	-9462 Apr 09 j 12:24	0°♑	
	-9462 May 28 j 03:07	0°♒	
	-9462 Jul 21 j 07:19	0°♓	
asc. node	-9462 Sep 12 j 15:59	20°♓57'57	
retrograde	-9462 Oct 04 j 21:30	23°♓44'08	
opposition	-9462 Nov 11 j 18:38	15°♓04'31	2°25'07
greatest brilliancy	-9462 Nov 12 j 03:28	14°♓55'56	-1.6m
min. Earth dist.	-9462 Nov 16 j 17:12	13°♓09'15	0.61865 AU
direct	-9462 Dec 22 j 13:24	5°♓08'56	
	-9461 Mar 07 j 02:19	0°♈	
	-9461 Apr 25 j 01:27	0°♉	
	-9461 Jun 06 j 17:41	0°♊	
	-9461 Jul 16 j 15:17	0°♋	
desc. node	-9461 Aug 13 j 12:53	21°♋33'21	
	-9461 Aug 24 j 09:49	0°♌	
	-9461 Oct 02 j 05:14	0°♍	
	-9461 Nov 10 j 23:34	0°♎	
evening set	-9461 Nov 14 j 20:12	2°♎51'15	
	-9461 Dec 22 j 09:04	0°♏	
conjunction	-9460 Jan 11 j 02:36	13°♏49'29	-1°12'39
minimum elong	-9460 Jan 11 j 02:10	13°♏48'44	1°12'59
	-9460 Feb 03 j 17:54	0°♐	
max. Earth dist.	-9460 Feb 10 j 05:12	4°♐21'36	2.56723 AU
morning rise	-9460 Mar 04 j 23:24	20°♐08'14	
	-9460 Mar 20 j 02:08	0°♑	
	-9460 May 06 j 04:15	0°♒	
	-9460 Jun 24 j 00:26	0°♓	
asc. node	-9460 Jul 30 j 13:22	21°♓24'04	
	-9460 Aug 15 j 00:08	0°♈	
	-9460 Oct 20 j 18:14	0°♉	
retrograde	-9460 Nov 19 j 07:54	4°♉44'16	
	-9460 Dec 16 j 23:19	30°℞♈	
opposition	-9460 Dec 24 j 09:30	27°♈27'59	5°33'42
greatest brilliancy	-9460 Dec 25 j 19:54	26°♈57'19	-2.0m
min. Earth dist.	-9459 Jan 01 j 07:34	24°♈39'32	0.51705 AU
direct	-9459 Feb 01 j 02:04	18°♈35'00	
	-9459 Mar 18 j 02:21	0°♉	
	-9459 May 09 j 14:29	0°♊	
	-9459 Jun 21 j 12:27	0°♋	
desc. node	-9459 Jun 30 j 14:46	6°♋40'08	
	-9459 Jul 31 j 21:59	0°♌	
	-9459 Sep 09 j 22:02	0°♍	
	-9459 Oct 20 j 16:14	0°♎	
	-9459 Dec 01 j 21:32	0°♏	
evening set	-9458 Jan 04 j 22:14	23°♏19'12	
	-9458 Jan 14 j 20:48	0°♐	
conjunction	-9458 Feb 25 j 03:03	27°♐11'27	-0°57'06
minimum elong	-9458 Feb 25 j 04:40	27°♐14'05	0°57'39
	-9458 Mar 01 j 10:52	0°♑	
max. Earth dist.	-9458 Mar 09 j 14:05	5°♑15'58	2.64309 AU
morning rise	-9458 Apr 14 j 19:11	28°♑29'43	
	-9458 Apr 17 j 03:50	0°♒	
	-9458 Jun 03 j 09:53	0°♓	
asc. node	-9458 Jun 17 j 07:10	8°♓47'11	
	-9458 Jul 20 j 22:13	0°♈	
	-9458 Sep 07 j 03:21	0°♉	
	-9458 Oct 28 j 03:19	0°♊	
	-9457 Jan 06 j 18:06	0°♋	
retrograde	-9457 Jan 24 j 13:25	1°♋53'20	
	-9457 Feb 11 j 02:48	30°℞♊	
opposition	-9457 Feb 24 j 16:37	26°♊32'58	5°34'26
greatest brilliancy	-9457 Feb 25 j 21:14	26°♊12'36	-2.7m
min. Earth dist.	-9457 Mar 01 j 21:32	25°♊04'27	0.40085 AU
direct	-9457 Mar 29 j 10:41	20°♊34'10	
	-9457 May 08 j 05:15	0°♋	
desc. node	-9457 May 18 j 19:57	4°♋53'37	
	-9457 Jul 01 j 04:36	0°♌	
	-9457 Aug 15 j 05:19	0°♍	
	-9457 Sep 27 j 22:57	0°♎	
	-9457 Nov 11 j 04:05	0°♏	
	-9457 Dec 26 j 11:25	0°♐	
	-9456 Feb 10 j 20:23	0°♑	
evening set	-9456 Feb 16 j 18:54	3°♑48'27	
	-9456 Mar 28 j 18:37	0°♒	
max. Earth dist.	-9456 Apr 02 j 06:26	2°♒52'11	2.66625 AU
conjunction	-9456 Apr 05 j 01:04	4°♒38'38	-0°16'41
minimum elong	-9456 Apr 05 j 01:44	4°♒39'41	0°17'11
asc. node	-9456 May 03 j 23:39	23°♒11'50	
	-9456 May 14 j 12:53	0°♓	
morning rise	-9456 May 21 j 13:26	4°♓32'30	
	-9456 Jun 29 j 12:47	0°♈	
	-9456 Aug 13 j 12:23	0°♉	
	-9456 Sep 26 j 15:31	0°♊	
	-9456 Nov 09 j 09:53	0°♋	
	-9456 Dec 23 j 23:55	0°♌	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9455 Feb 11 j 15:28	0°♍	
desc. node	-9455 Apr 05 j 00:48	17°♍38'15	
retrograde	-9455 Apr 09 j 12:09	17°♍46'36	
min. Earth dist.	-9455 May 06 j 15:46	13°♍09'14	0.40912 AU
greatest brilliancy	-9455 May 12 j 11:15	11°♍23'49	-2.7m
opposition	-9455 May 13 j 05:17	11°♍10'09	-2°45'44
direct	-9455 Jun 13 j 02:18	5°♍32'59	
	-9455 Aug 25 j 09:33	0°♎	
	-9455 Oct 16 j 13:12	0°♏	
	-9455 Dec 04 j 09:18	0°♐	
	-9454 Jan 21 j 13:27	0°♑	
	-9454 Mar 10 j 07:27	0°♒	
asc. node	-9454 Mar 21 j 18:18	7°♒15'47	
evening set	-9454 Mar 27 j 02:23	10°♒39'43	
	-9454 Apr 26 j 04:15	0°♓	
max. Earth dist.	-9454 Apr 26 j 22:32	0°♓29'41	2.63576 AU
conjunction	-9454 May 13 j 20:22	11°♓32'22	0°30'23
minimum elong	-9454 May 13 j 19:15	11°♓30'33	0°30'07
	-9454 Jun 10 j 14:49	0°♈	
morning rise	-9454 Jun 29 j 21:38	13°♈04'58	
	-9454 Jul 24 j 08:31	0°♉	
	-9454 Sep 04 j 11:33	0°♊	
	-9454 Oct 15 j 08:46	0°♋	
	-9454 Nov 24 j 14:49	0°♌	
	-9453 Jan 04 j 04:06	0°♍	
	-9453 Feb 15 j 16:22	0°♎	
desc. node	-9453 Feb 21 j 00:18	3°♎33'57	
	-9453 Apr 05 j 20:56	0°♏	
retrograde	-9453 Jun 02 j 03:36	17°♏41'20	
min. Earth dist.	-9453 Jul 03 j 03:24	11°♏10'44	0.52924 AU
greatest brilliancy	-9453 Jul 09 j 01:21	8°♏57'13	-2.0m
opposition	-9453 Jul 10 j 10:50	8°♏25'33	-5°41'15
direct	-9453 Aug 14 j 08:32	0°♏45'24	
	-9453 Nov 07 j 15:08	0°♐	
	-9453 Dec 31 j 04:22	0°♑	
asc. node	-9452 Feb 06 j 18:00	22°♑29'16	
	-9452 Feb 19 j 00:07	0°♒	
	-9452 Apr 06 j 14:54	0°♓	
evening set	-9452 May 05 j 10:17	18°♓50'43	
	-9452 May 22 j 01:37	0°♈	
max. Earth dist.	-9452 May 25 j 00:34	2°♈00'16	2.55479 AU
conjunction	-9452 Jun 24 j 05:19	22°♈52'14	1°06'50
minimum elong	-9452 Jun 24 j 03:57	22°♈49'50	1°06'58
	-9452 Jul 04 j 07:15	0°♉	
morning rise	-9452 Aug 14 j 15:17	0°♊03'27	
	-9452 Aug 14 j 13:25	0°♊	
	-9452 Sep 23 j 08:03	0°♋	
	-9452 Nov 01 j 07:53	0°♌	
	-9452 Dec 10 j 08:55	0°♍	
desc. node	-9451 Jan 07 j 20:00	21°♍26'08	
	-9451 Jan 19 j 10:39	0°♎	
	-9451 Mar 02 j 20:42	0°♏	
	-9451 Apr 19 j 05:41	0°♐	
	-9451 Jul 04 j 19:52	0°♑	
retrograde	-9451 Jul 11 j 06:07	0°♑16'28	
	-9451 Jul 17 j 12:48	30°℞♐	
min. Earth dist.	-9451 Aug 16 j 04:34	21°♐54'00	0.62630 AU
opposition	-9451 Aug 20 j 02:05	20°♐20'14	-4°22'14
greatest brilliancy	-9451 Aug 19 j 13:03	20°♐33'18	-1.5m
direct	-9451 Sep 27 j 04:01	11°♐20'52	
	-9451 Dec 01 j 12:24	0°♑	
asc. node	-9451 Dec 24 j 21:45	11°♑35'23	
	-9450 Jan 27 j 07:35	0°♒	
	-9450 Mar 18 j 01:14	0°♓	
	-9450 May 03 j 03:27	0°♈	
	-9450 Jun 15 j 08:46	0°♉	
evening set	-9450 Jun 20 j 17:29	3°♉50'50	
max. Earth dist.	-9450 Jul 08 j 10:42	16°♉44'40	2.43763 AU
	-9450 Jul 26 j 06:41	0°♊	
conjunction	-9450 Aug 15 j 06:15	15°♊08'35	1°03'40
minimum elong	-9450 Aug 15 j 08:30	15°♊12'54	1°04'12
	-9450 Sep 03 j 13:27	0°♋	
	-9450 Oct 12 j 00:35	0°♌	
morning rise	-9450 Oct 15 j 09:53	2°♌39'00	
	-9450 Nov 19 j 13:00	0°♍	
desc. node	-9450 Nov 25 j 14:05	4°♍39'39	
	-9450 Dec 28 j 23:38	0°♎	
	-9449 Feb 08 j 05:23	0°♏	
	-9449 Mar 24 j 05:37	0°♐	
	-9449 May 11 j 19:54	0°♑	
	-9449 Jul 14 j 06:02	0°♒	
retrograde	-9449 Aug 15 j 16:16	5°♒45'29	
	-9449 Sep 14 j 07:11	30°℞♑	
opposition	-9449 Sep 24 j 10:30	26°♑02'53	-1°51'29
greatest brilliancy	-9449 Sep 24 j 10:47	26°♑02'36	-1.4m
min. Earth dist.	-9449 Sep 24 j 06:43	26°♑06'42	0.66584 AU
direct	-9449 Nov 03 j 13:24	16°♑19'03	
asc. node	-9449 Nov 12 j 03:34	16°♑45'35	
	-9449 Dec 27 j 17:46	0°♒	
	-9448 Feb 23 j 17:08	0°♓	
	-9448 Apr 11 j 22:34	0°♈	
	-9448 May 25 j 19:08	0°♉	
	-9448 Jul 05 j 19:06	0°♊	
	-9448 Aug 13 j 23:04	0°♋	
evening set	-9448 Aug 16 j 17:33	2°♋09'24	
	-9448 Sep 21 j 06:24	0°♌	
desc. node	-9448 Oct 12 j 07:49	16°♌30'34	
conjunction	-9448 Oct 18 j 16:28	21°♌28'29	-0°04'53
minimum elong	-9448 Oct 18 j 16:03	21°♌27'40	0°04'29
behind sun begin	-9448 Oct 17 j 13:25	20°♌35'46	
behind sun end	-9448 Oct 19 j 18:41	22°♌19'32	
	-9448 Oct 29 j 15:48	0°♍	
max. Earth dist.	-9448 Nov 27 j 16:57	22°♍15'16	2.40187 AU
	-9448 Dec 07 j 23:55	0°♎	
morning rise	-9448 Dec 22 j 16:35	10°♎54'48	
	-9447 Jan 18 j 00:21	0°♏	
	-9447 Mar 02 j 06:35	0°♐	
	-9447 Apr 17 j 06:41	0°♑	
	-9447 Jun 06 j 04:25	0°♒	
	-9447 Aug 05 j 20:56	0°♓	
retrograde	-9447 Sep 19 j 15:38	9°♓56'29	
asc. node	-9447 Sep 29 j 07:11	9°♓20'07	
opposition	-9447 Oct 28 j 06:44	0°♓54'04	1°09'32
greatest brilliancy	-9447 Oct 28 j 09:38	0°♓51'13	-1.5m
	-9447 Oct 30 j 13:25	30°℞♒	
min. Earth dist.	-9447 Oct 31 j 19:31	29°♒30'18	0.64394 AU
direct	-9447 Dec 08 j 04:40	20°♒54'11	
	-9446 Jan 19 j 03:25	0°♓	
	-9446 Mar 19 j 01:01	0°♈	
	-9446 May 04 j 08:53	0°♉	
	-9446 Jun 15 j 05:29	0°♊	
	-9446 Jul 24 j 18:05	0°♋	
desc. node	-9446 Aug 30 j 05:46	28°♋24'40	
	-9446 Sep 01 j 06:34	0°♌	
	-9446 Oct 09 j 20:45	0°♍	
evening set	-9446 Oct 21 j 23:32	9°♍17'44	
	-9446 Nov 18 j 10:06	0°♎	
conjunction	-9446 Dec 21 j 05:17	23°♎59'36	-1°06'06
minimum elong	-9446 Dec 21 j 03:15	23°♎55'58	1°06'16

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9446 Dec 29 j 15:01	0°♏	
max. Earth dist.	-9445 Jan 27 j 16:23	20°♏19'15	2.52472 AU
	-9445 Feb 10 j 20:51	0°♐	
morning rise	-9445 Feb 16 j 02:35	3°♐32'15	
	-9445 Mar 28 j 05:38	0°♑	
	-9445 May 14 j 16:46	0°♒	
	-9445 Jul 03 j 19:10	0°♓	
asc. node	-9445 Aug 17 j 06:11	24°♓07'58	
	-9445 Aug 29 j 10:51	0°♈	
retrograde	-9445 Oct 31 j 14:35	17°♈43'59	
opposition	-9445 Dec 06 j 22:44	9°♈49'34	4°24'34
greatest brilliancy	-9445 Dec 07 j 22:12	9°♈27'41	-1.8m
min. Earth dist.	-9445 Dec 13 j 21:20	7°♈14'32	0.56278 AU
direct	-9444 Jan 15 j 20:26	0°♈20'03	
	-9444 Apr 05 j 11:24	0°♉	
	-9444 May 21 j 07:30	0°♊	
	-9444 Jul 01 j 10:54	0°♋	
desc. node	-9444 Jul 17 j 08:18	11°♋59'59	
	-9444 Aug 09 j 22:37	0°♌	
	-9444 Sep 18 j 07:12	0°♍	
	-9444 Oct 28 j 12:51	0°♎	
	-9444 Dec 09 j 07:51	0°♏	
evening set	-9444 Dec 17 j 02:55	5°♏27'10	
	-9443 Jan 21 j 23:35	0°♐	
conjunction	-9443 Feb 08 j 07:52	11°♐35'01	-1°07'22
minimum elong	-9443 Feb 08 j 09:09	11°♐37'08	1°07'53
max. Earth dist.	-9443 Feb 27 j 07:24	24°♐04'34	2.61948 AU
	-9443 Mar 08 j 09:36	0°♑	
morning rise	-9443 Mar 30 j 15:01	14°♑20'46	
	-9443 Apr 24 j 03:56	0°♒	
	-9443 Jun 10 j 20:12	0°♓	
asc. node	-9443 Jul 04 j 00:46	14°♓24'05	
	-9443 Jul 29 j 11:36	0°♈	
	-9443 Sep 18 j 13:48	0°♉	
	-9443 Nov 20 j 12:35	0°♊	
retrograde	-9443 Dec 26 j 17:10	6°♊55'57	
opposition	-9442 Jan 28 j 07:20	0°♊52'03	6°28'00
greatest brilliancy	-9442 Jan 30 j 01:41	0°♊18'45	-2.4m
	-9442 Jan 31 j 01:28	30°♉	
min. Earth dist.	-9442 Feb 05 j 02:05	28°♉26'01	0.44160 AU
direct	-9442 Mar 04 j 20:40	23°♉35'51	
	-9442 Apr 05 j 21:43	0°♊	
	-9442 Jun 01 j 00:58	0°♋	
desc. node	-9442 Jun 04 j 12:16	2°♋14'48	
	-9442 Jul 15 j 01:32	0°♌	
	-9442 Aug 26 j 00:32	0°♍	
	-9442 Oct 07 j 02:32	0°♎	
	-9442 Nov 19 j 06:32	0°♏	
	-9441 Jan 02 j 21:39	0°♐	
evening set	-9441 Jan 31 j 19:38	18°♐57'20	
	-9441 Feb 17 j 20:52	0°♑	
conjunction	-9441 Mar 21 j 22:04	20°♑35'04	-0°33'58
minimum elong	-9441 Mar 21 j 23:18	20°♑37'04	0°34'31
max. Earth dist.	-9441 Mar 25 j 00:06	22°♑33'30	2.66353 AU
	-9441 Apr 05 j 15:22	0°♒	
morning rise	-9441 May 07 j 23:24	20°♒40'36	
asc. node	-9441 May 21 j 17:28	29°♒29'40	
	-9441 May 22 j 12:22	0°♓	
	-9441 Jul 07 j 22:42	0°♈	
	-9441 Aug 22 j 19:32	0°♉	
	-9441 Oct 07 j 11:54	0°♊	
	-9441 Nov 23 j 01:43	0°♋	
	-9440 Jan 13 j 12:26	0°♌	
retrograde	-9440 Mar 13 j 03:39	18°♌20'24	
min. Earth dist.	-9440 Apr 11 j 00:38	13°♌34'29	0.38362 AU
opposition	-9440 Apr 13 j 13:19	12°♌53'01	0°38'49
greatest brilliancy	-9440 Apr 13 j 12:45	12°♌53'24	-2.9m
desc. node	-9440 Apr 21 j 16:26	10°♌44'27	
direct	-9440 May 13 j 19:55	7°♌47'13	
	-9440 Jul 20 j 10:13	0°♍	
	-9440 Sep 09 j 09:59	0°♎	
	-9440 Oct 26 j 17:33	0°♏	
	-9440 Dec 12 j 16:30	0°♐	
	-9439 Jan 28 j 22:55	0°♑	
evening set	-9439 Mar 11 j 22:25	26°♑35'50	
	-9439 Mar 17 j 06:53	0°♒	
asc. node	-9439 Apr 07 j 11:35	13°♒31'30	
max. Earth dist.	-9439 Apr 17 j 02:45	19°♒42'28	2.65390 AU
conjunction	-9439 Apr 28 j 14:49	27°♒07'33	0°12'20
minimum elong	-9439 Apr 28 j 14:21	27°♒06'48	0°11'58
behind sun begin	-9439 Apr 28 j 01:17	26°♒45'41	
behind sun end	-9439 Apr 29 j 03:25	27°♒27'55	
	-9439 May 03 j 01:18	0°♓	
morning rise	-9439 Jun 14 j 02:38	27°♓38'20	
	-9439 Jun 17 j 15:31	0°♈	
	-9439 Jul 31 j 18:30	0°♉	
	-9439 Sep 12 j 11:44	0°♊	
	-9439 Oct 24 j 03:39	0°♋	
	-9439 Dec 04 j 09:11	0°♌	
	-9438 Jan 15 j 08:50	0°♍	
	-9438 Mar 02 j 02:01	0°♎	
desc. node	-9438 Mar 09 j 18:45	4°♎30'09	
retrograde	-9438 May 14 j 15:04	27°♎18'42	
min. Earth dist.	-9438 Jun 12 j 11:50	21°♎40'18	0.48037 AU
greatest brilliancy	-9438 Jun 19 j 01:18	19°♎21'19	-2.2m
opposition	-9438 Jun 20 j 13:42	18°♎48'54	-5°22'58
direct	-9438 Jul 23 j 23:17	11°♎53'07	
	-9438 Sep 24 j 02:49	0°♏	
	-9438 Nov 19 j 00:54	0°♐	
	-9437 Jan 08 j 15:12	0°♑	
asc. node	-9437 Feb 23 j 09:22	28°♑06'46	
	-9437 Feb 26 j 09:58	0°♒	
	-9437 Apr 14 j 15:41	0°♓	
evening set	-9437 Apr 20 j 07:56	3°♓40'59	
max. Earth dist.	-9437 May 13 j 20:53	19°♓09'25	2.59201 AU
	-9437 May 30 j 01:09	0°♈	
conjunction	-9437 Jun 07 j 23:31	6°♈03'49	0°55'22
minimum elong	-9437 Jun 07 j 21:53	6°♈01'02	0°55'21
	-9437 Jul 12 j 10:26	0°♉	
morning rise	-9437 Jul 27 j 02:27	10°♉27'18	
	-9437 Aug 22 j 23:13	0°♊	
	-9437 Oct 02 j 02:15	0°♋	
	-9437 Nov 10 j 10:57	0°♌	
	-9437 Dec 19 j 21:30	0°♍	
desc. node	-9436 Jan 25 j 15:46	27°♍13'02	
	-9436 Jan 29 j 12:17	0°♎	
	-9436 Mar 13 j 02:15	0°♏	
	-9436 May 03 j 23:05	0°♐	
retrograde	-9436 Jun 26 j 13:36	15°♐08'56	
min. Earth dist.	-9436 Jul 30 j 17:15	7°♐25'47	0.59448 AU
greatest brilliancy	-9436 Aug 04 j 04:09	5°♐40'05	-1.7m
opposition	-9436 Aug 05 j 01:26	5°♐19'02	-5°06'18
	-9436 Aug 20 j 01:34	30°♏	
direct	-9436 Sep 11 j 00:45	26°♏45'42	
	-9436 Oct 04 j 23:37	0°♐	
	-9436 Dec 14 j 02:23	0°♑	
asc. node	-9435 Jan 10 j 11:56	15°♑08'42	
	-9435 Feb 04 j 22:44	0°♒	
	-9435 Mar 25 j 14:43	0°♓	
	-9435 May 10 j 08:55	0°♈	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

evening set	-9435 Jun 01 j 14:29	15°♈14'05	
max. Earth dist.	-9435 Jun 17 j 12:27	26°♈24'46	2.48542 AU
	-9435 Jun 22 j 13:23	0°♉	
conjunction	-9435 Jul 24 j 09:02	23°♉09'34	1°12'11
minimum elong	-9435 Jul 24 j 09:31	23°♉10'28	1°12'36
	-9435 Aug 02 j 13:31	0°♊	
	-9435 Sep 10 j 23:53	0°♋	
morning rise	-9435 Sep 19 j 06:41	6°♋24'19	
	-9435 Oct 19 j 14:40	0°♌	
	-9435 Nov 27 j 06:25	0°♍	
desc. node	-9435 Dec 12 j 09:26	11°♍35'01	
	-9434 Jan 05 j 20:38	0°♎	
	-9434 Feb 16 j 08:36	0°♏	
	-9434 Apr 02 j 02:00	0°♐	
	-9434 May 23 j 08:54	0°♑	
retrograde	-9434 Aug 02 j 02:45	22°♑33'43	
min. Earth dist.	-9434 Sep 09 j 10:06	13°♑21'27	0.65770 AU
opposition	-9434 Sep 11 j 01:13	12°♑41'59	-2°54'32
greatest brilliancy	-9434 Sep 10 j 21:58	12°♑45'16	-1.4m
direct	-9434 Oct 20 j 12:32	3°♑12'25	
asc. node	-9434 Nov 28 j 16:58	10°♑59'13	
	-9433 Jan 10 j 13:24	0°♒	
	-9433 Mar 04 j 16:31	0°♓	
	-9433 Apr 20 j 19:34	0°♈	
	-9433 Jun 03 j 08:20	0°♉	
	-9433 Jul 14 j 06:31	0°♊	
evening set	-9433 Jul 24 j 10:07	7°♊40'15	
	-9433 Aug 22 j 10:46	0°♋	
max. Earth dist.	-9433 Sep 16 j 03:46	19°♋18'36	2.38156 AU
conjunction	-9433 Sep 23 j 00:01	24°♋40'54	0°27'47
minimum elong	-9433 Sep 23 j 02:24	24°♋45'35	0°28'18
	-9433 Sep 29 j 18:33	0°♌	
desc. node	-9433 Oct 30 j 04:26	23°♌48'19	
	-9433 Nov 07 j 03:51	0°♍	
morning rise	-9433 Nov 27 j 14:35	15°♍43'48	
	-9433 Dec 16 j 11:29	0°♎	
	-9432 Jan 26 j 11:53	0°♏	
	-9432 Mar 09 j 21:27	0°♐	
	-9432 Apr 25 j 11:37	0°♑	
	-9432 Jun 16 j 15:30	0°♒	
retrograde	-9432 Sep 05 j 07:47	26°♒42'42	
opposition	-9432 Oct 14 j 12:31	17°♒21'43	-0°03'15
greatest brilliancy	-9432 Oct 14 j 12:44	17°♒21'30	-1.4m
asc. node	-9432 Oct 15 j 21:28	16°♒48'48	
min. Earth dist.	-9432 Oct 16 j 14:47	16°♒31'31	0.65986 AU
direct	-9432 Nov 24 j 07:01	7°♒24'23	
	-9431 Feb 04 j 17:10	0°♓	
	-9431 Mar 28 j 20:23	0°♈	
	-9431 May 12 j 20:22	0°♉	
	-9431 Jun 23 j 06:08	0°♊	
	-9431 Aug 01 j 14:02	0°♋	
	-9431 Sep 08 j 23:23	0°♌	
desc. node	-9431 Sep 16 j 00:46	5°♌31'51	
evening set	-9431 Sep 26 j 06:21	13°♌32'09	
	-9431 Oct 17 j 10:29	0°♍	
	-9431 Nov 25 j 20:30	0°♎	
conjunction	-9431 Nov 27 j 23:14	1°♎34'40	-0°49'33
minimum elong	-9431 Nov 27 j 20:10	1°♎28'58	0°49'27
	-9430 Jan 05 j 22:03	0°♏	
max. Earth dist.	-9430 Jan 10 j 17:25	3°♏25'07	2.47636 AU
morning rise	-9430 Jan 27 j 08:47	15°♏06'01	
	-9430 Feb 18 j 02:01	0°♐	
	-9430 Apr 04 j 13:21	0°♑	
	-9430 May 22 j 14:43	0°♒	
	-9430 Jul 13 j 18:37	0°♓	
asc. node	-9430 Sep 02 j 21:57	23°♓51'41	
	-9430 Sep 23 j 10:47	0°♈	
retrograde	-9430 Oct 14 j 03:31	2°♈25'07	
	-9430 Nov 02 j 10:17	30°℞♓	
opposition	-9430 Nov 20 j 12:57	23°♓59'50	3°09'05
greatest brilliancy	-9430 Nov 21 j 02:23	23°♓46'55	-1.6m
min. Earth dist.	-9430 Nov 26 j 05:27	21°♓48'47	0.60109 AU
direct	-9430 Dec 31 j 02:54	14°♓10'14	
	-9429 Feb 25 j 11:24	0°♈	
	-9429 Apr 18 j 14:53	0°♉	
	-9429 Jun 01 j 02:29	0°♊	
	-9429 Jul 11 j 08:34	0°♋	
desc. node	-9429 Aug 04 j 00:20	18°♋09'41	
	-9429 Aug 19 j 07:54	0°♌	
	-9429 Sep 27 j 06:51	0°♍	
	-9429 Nov 06 j 04:10	0°♎	
evening set	-9429 Nov 27 j 11:02	15°♎33'31	
	-9429 Dec 17 j 15:51	0°♏	
conjunction	-9428 Jan 22 j 03:56	24°♏37'42	-1°12'37
minimum elong	-9428 Jan 22 j 04:18	24°♏38'20	1°13'01
	-9428 Jan 30 j 02:03	0°♐	
max. Earth dist.	-9428 Feb 17 j 04:38	12°♐07'48	2.58786 AU
morning rise	-9428 Mar 14 j 14:42	29°♐29'12	
	-9428 Mar 15 j 09:39	0°♑	
	-9428 May 01 j 07:34	0°♒	
	-9428 Jun 18 j 14:59	0°♓	
asc. node	-9428 Jul 20 j 18:38	19°♓21'15	
	-9428 Aug 08 j 00:47	0°♈	
	-9428 Oct 04 j 05:51	0°♉	
retrograde	-9428 Dec 01 j 17:59	15°♉48'09	
opposition	-9427 Jan 05 j 01:00	8°♉55'55	6°04'25
greatest brilliancy	-9427 Jan 06 j 16:38	8°♉21'53	-2.2m
min. Earth dist.	-9427 Jan 13 j 06:42	6°♉07'16	0.49033 AU
direct	-9427 Feb 11 j 19:54	0°♉31'27	
	-9427 Apr 30 j 18:31	0°♊	
	-9427 Jun 14 j 17:05	0°♋	
desc. node	-9427 Jun 21 j 03:41	4°♋35'27	
	-9427 Jul 25 j 22:34	0°♌	
	-9427 Sep 04 j 10:22	0°♍	
	-9427 Oct 15 j 12:57	0°♎	
	-9427 Nov 27 j 00:10	0°♏	
	-9426 Jan 10 j 03:41	0°♐	
evening set	-9426 Jan 15 j 00:35	3°♐14'38	
	-9426 Feb 24 j 19:56	0°♑	
conjunction	-9426 Mar 06 j 08:36	6°♑09'34	-0°49'24
minimum elong	-9426 Mar 06 j 10:10	6°♑12'07	0°49'58
max. Earth dist.	-9426 Mar 15 j 07:53	11°♑56'17	2.65266 AU
	-9426 Apr 12 j 12:42	0°♒	
morning rise	-9426 Apr 23 j 08:11	6°♒53'53	
	-9426 May 29 j 14:34	0°♓	
asc. node	-9426 Jun 07 j 12:08	5°♓40'13	
	-9426 Jul 15 j 15:39	0°♈	
	-9426 Aug 31 j 19:41	0°♉	
	-9426 Oct 19 j 04:08	0°♊	
	-9426 Dec 11 j 19:39	0°♋	
retrograde	-9425 Feb 11 j 02:39	18°♋10'47	
opposition	-9425 Mar 13 j 20:38	13°♋02'49	4°12'52
greatest brilliancy	-9425 Mar 14 j 11:14	12°♋52'55	-2.9m
min. Earth dist.	-9425 Mar 16 j 14:48	12°♋18'06	0.38699 AU
direct	-9425 Apr 14 j 03:33	7°♋37'56	
desc. node	-9425 May 09 j 08:47	11°♋35'31	
	-9425 Jun 19 j 13:11	0°♌	
	-9425 Aug 07 j 12:07	0°♍	
	-9425 Sep 21 j 18:12	0°♎	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9425 Nov 05 j 18:17	0°♏	
	-9425 Dec 21 j 12:34	0°♐	
	-9424 Feb 06 j 03:33	0°♑	
evening set	-9424 Feb 25 j 16:10	12°♑27'34	
	-9424 Mar 24 j 04:37	0°♒	
max. Earth dist.	-9424 Apr 07 j 17:42	9°♒17'28	2.66415 AU
conjunction	-9424 Apr 13 j 15:08	13°♒03'48	-0°06'11
minimum elong	-9424 Apr 13 j 15:24	13°♒04'13	0°06'39
behind sun begin	-9424 Apr 12 j 21:24	12°♒35'26	
behind sun end	-9424 Apr 14 j 09:23	13°♒33'01	
asc. node	-9424 Apr 24 j 04:57	19°♒51'06	
	-9424 May 09 j 22:43	0°♓	
morning rise	-9424 May 30 j 00:33	13°♓03'02	
	-9424 Jun 24 j 18:45	0°♈	
	-9424 Aug 08 j 10:07	0°♉	
	-9424 Sep 20 j 22:48	0°♊	
	-9424 Nov 02 j 18:31	0°♋	
	-9424 Dec 15 j 16:30	0°♌	
	-9423 Jan 29 j 20:26	0°♍	
desc. node	-9423 Mar 26 j 11:06	28°♍26'37	
	-9423 Mar 31 j 10:43	0°♎	
retrograde	-9423 Apr 23 j 07:14	3°♎27'13	
	-9423 May 15 j 19:56	30°℞♍	
min. Earth dist.	-9423 May 20 j 13:52	28°♍34'46	0.43228 AU
greatest brilliancy	-9423 May 27 j 02:05	26°♍29'24	-2.6m
opposition	-9423 May 28 j 06:52	26°♍06'08	-4°06'20
direct	-9423 Jun 29 j 01:08	20°♍01'14	
	-9423 Aug 11 j 04:56	0°♎	
	-9423 Oct 09 j 04:14	0°♏	
	-9423 Nov 28 j 16:24	0°♐	
	-9422 Jan 16 j 13:00	0°♑	
	-9422 Mar 05 j 14:37	0°♒	
asc. node	-9422 Mar 12 j 00:59	4°♒03'33	
evening set	-9422 Apr 04 j 19:56	19°♒11'40	
	-9422 Apr 21 j 14:25	0°♓	
max. Earth dist.	-9422 May 02 j 21:48	7°♓21'43	2.62246 AU
conjunction	-9422 May 22 j 18:24	20°♓27'12	0°40'11
minimum elong	-9422 May 22 j 17:00	20°♓24'52	0°40'00
	-9422 Jun 06 j 00:45	0°♈	
morning rise	-9422 Jul 09 j 08:39	22°♈48'24	
	-9422 Jul 19 j 15:44	0°♉	
	-9422 Aug 30 j 13:29	0°♊	
	-9422 Oct 10 j 03:33	0°♋	
	-9422 Nov 19 j 00:27	0°♌	
	-9422 Dec 29 j 01:10	0°♍	
	-9421 Feb 08 j 14:25	0°♎	
desc. node	-9421 Feb 11 j 10:59	1°♎59'11	
	-9421 Mar 26 j 14:46	0°♏	
retrograde	-9421 Jun 11 j 20:27	28°♏32'49	
min. Earth dist.	-9421 Jul 14 j 00:30	21°♏34'47	0.55445 AU
greatest brilliancy	-9421 Jul 19 j 11:10	19°♏28'56	-1.8m
opposition	-9421 Jul 20 j 16:52	19°♏00'15	-5°35'20
direct	-9421 Aug 25 j 09:13	10°♏59'07	
	-9421 Oct 29 j 15:14	0°♐	
	-9421 Dec 25 j 05:27	0°♑	
asc. node	-9420 Jan 28 j 01:20	19°♑48'13	
	-9420 Feb 13 j 22:19	0°♒	
	-9420 Apr 01 j 21:20	0°♓	
evening set	-9420 May 15 j 00:08	28°♓21'01	
	-9420 May 17 j 10:47	0°♈	
max. Earth dist.	-9420 Jun 01 j 19:50	10°♈29'27	2.53159 AU
	-9420 Jun 29 j 16:28	0°♉	
conjunction	-9420 Jul 04 j 15:41	3°♉32'49	1°10'55
minimum elong	-9420 Jul 04 j 14:48	3°♉31'14	1°11'10
	-9420 Aug 09 j 20:47	0°♊	
morning rise	-9420 Aug 26 j 17:42	12°♊38'56	
	-9420 Sep 18 j 12:40	0°♋	
	-9420 Oct 27 j 09:06	0°♌	
	-9420 Dec 05 j 06:01	0°♍	
desc. node	-9420 Dec 29 j 06:50	18°♍14'08	
	-9419 Jan 14 j 02:08	0°♎	
	-9419 Feb 25 j 00:48	0°♏	
	-9419 Apr 12 j 00:46	0°♐	
	-9419 Jun 08 j 23:24	0°♑	
retrograde	-9419 Jul 19 j 08:57	8°♑54'04	
min. Earth dist.	-9419 Aug 25 j 04:42	0°♑12'51	0.63995 AU
	-9419 Aug 25 j 17:30	30°℞♐	
opposition	-9419 Aug 28 j 07:20	28°♐57'46	-3°52'06
greatest brilliancy	-9419 Aug 27 j 22:17	29°♐06'51	-1.5m
direct	-9419 Oct 05 j 22:45	19°♐46'28	
	-9419 Nov 20 j 16:37	0°♑	
asc. node	-9419 Dec 15 j 05:26	10°♑42'29	
	-9418 Jan 21 j 04:22	0°♒	
	-9418 Mar 12 j 21:39	0°♓	
	-9418 Apr 28 j 08:04	0°♈	
	-9418 Jun 10 j 16:18	0°♉	
evening set	-9418 Jul 02 j 09:05	15°♉43'05	
	-9418 Jul 21 j 14:27	0°♊	
max. Earth dist.	-9418 Jul 24 j 17:44	2°♊21'31	2.41243 AU
conjunction	-9418 Aug 28 j 16:12	29°♊05'17	0°53'44
minimum elong	-9418 Aug 28 j 19:08	29°♊10'58	0°54'16
	-9418 Aug 29 j 20:26	0°♋	
	-9418 Oct 07 j 06:14	0°♌	
morning rise	-9418 Oct 30 j 23:15	18°♌32'40	
	-9418 Nov 14 j 17:05	0°♍	
desc. node	-9418 Nov 15 j 23:51	0°♍59'30	
	-9418 Dec 24 j 01:55	0°♎	
	-9417 Feb 03 j 04:24	0°♏	
	-9417 Mar 18 j 20:46	0°♐	
	-9417 May 05 j 10:48	0°♑	
	-9417 Jul 01 j 05:51	0°♒	
retrograde	-9417 Aug 23 j 12:16	13°♒41'43	
opposition	-9417 Oct 02 j 02:55	4°♒05'47	-1°12'43
greatest brilliancy	-9417 Oct 02 j 03:58	4°♒04'43	-1.4m
min. Earth dist.	-9417 Oct 02 j 18:04	3°♒50'33	0.66631 AU
	-9417 Oct 12 j 16:18	30°℞♑	
asc. node	-9417 Nov 02 j 10:47	24°♑48'09	
direct	-9417 Nov 11 j 13:03	24°♑16'05	
	-9417 Dec 14 j 11:18	0°♒	
	-9416 Feb 17 j 07:04	0°♓	
	-9416 Apr 06 j 14:38	0°♈	
	-9416 May 20 j 20:17	0°♉	
	-9416 Jun 30 j 23:40	0°♊	
	-9416 Aug 09 j 04:57	0°♋	
evening set	-9416 Aug 31 j 03:31	17°♋08'29	
	-9416 Sep 16 j 12:37	0°♌	
desc. node	-9416 Oct 02 j 18:47	12°♌45'14	
	-9416 Oct 24 j 21:51	0°♍	
conjunction	-9416 Nov 02 j 15:22	6°♍44'35	-0°23'02
minimum elong	-9416 Nov 02 j 13:22	6°♍40'42	0°22'43
	-9416 Dec 03 j 05:45	0°♎	
max. Earth dist.	-9416 Dec 17 j 21:58	10°♎54'21	2.42678 AU
morning rise	-9415 Jan 05 j 08:16	24°♎20'30	
	-9415 Jan 13 j 05:28	0°♏	
	-9415 Feb 25 j 09:28	0°♐	
	-9415 Apr 12 j 02:46	0°♑	
	-9415 May 31 j 03:03	0°♒	
	-9415 Jul 26 j 03:42	0°♓	
asc. node	-9415 Sep 19 j 13:44	17°♓45'58	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

retrograde	-9415 Sep 28 j 06:46	18°♓13'29	
opposition	-9415 Nov 05 j 12:34	9°♓23'01	1°52'58
greatest brilliancy	-9415 Nov 05 j 18:26	9°♓17'15	-1.5m
min. Earth dist.	-9415 Nov 09 j 19:52	7°♓41'49	0.63110 AU
	-9415 Dec 06 j 23:40	30°℞♒	
direct	-9415 Dec 16 j 09:38	29°♒24'46	
	-9415 Dec 26 j 04:08	0°♓	
	-9414 Mar 11 j 20:36	0°♈	
	-9414 Apr 28 j 14:33	0°♉	
	-9414 Jun 09 j 22:41	0°♊	
	-9414 Jul 19 j 16:51	0°♋	
desc. node	-9414 Aug 20 j 17:42	24°♋50'25	
	-9414 Aug 27 j 08:37	0°♌	
	-9414 Oct 05 j 01:02	0°♍	
evening set	-9414 Nov 04 j 17:40	23°♍19'40	
	-9414 Nov 13 j 16:08	0°♎	
	-9414 Dec 24 j 22:11	0°♏	
conjunction	-9413 Jan 02 j 08:28	5°♏57'41	-1°10'55
minimum elong	-9413 Jan 02 j 07:22	5°♏55'45	1°11'11
max. Earth dist.	-9413 Feb 04 j 21:30	29°♏07'55	2.54892 AU
	-9413 Feb 06 j 04:15	0°♐	
morning rise	-9413 Feb 26 j 12:15	13°♐37'53	
	-9413 Mar 23 j 11:16	0°♑	
	-9413 May 09 j 15:54	0°♒	
	-9413 Jun 27 j 22:22	0°♓	
asc. node	-9413 Aug 07 j 12:01	23°♓08'45	
	-9413 Aug 20 j 09:32	0°♈	
retrograde	-9413 Nov 11 j 11:44	27°♈36'59	
opposition	-9413 Dec 17 j 04:21	20°♈02'41	5°05'15
greatest brilliancy	-9413 Dec 18 j 10:02	19°♈35'39	-1.9m
min. Earth dist.	-9413 Dec 24 j 17:39	17°♈18'12	0.53818 AU
direct	-9412 Jan 25 j 11:51	10°♈51'12	
	-9412 Mar 26 j 15:46	0°♉	
	-9412 May 14 j 10:06	0°♊	
	-9412 Jun 25 j 11:02	0°♋	
desc. node	-9412 Jul 07 j 19:13	9°♋10'40	
	-9412 Aug 04 j 09:58	0°♌	
	-9412 Sep 13 j 02:00	0°♍	
	-9412 Oct 23 j 13:27	0°♎	
	-9412 Dec 04 j 12:46	0°♏	
evening set	-9412 Dec 28 j 01:07	16°♏16'08	
	-9411 Jan 17 j 07:24	0°♐	
conjunction	-9411 Feb 18 j 02:04	21°♐04'12	-1°01'55
minimum elong	-9411 Feb 18 j 03:37	21°♐06'43	1°02'27
	-9411 Mar 03 j 18:33	0°♑	
max. Earth dist.	-9411 Mar 05 j 08:32	1°♑01'41	2.63355 AU
morning rise	-9411 Apr 08 j 10:08	22°♑57'08	
	-9411 Apr 19 j 11:26	0°♒	
	-9411 Jun 05 j 21:15	0°♓	
asc. node	-9411 Jun 24 j 06:27	11°♓33'01	
	-9411 Jul 23 j 20:00	0°♈	
	-9411 Sep 11 j 01:57	0°♉	
	-9411 Nov 04 j 04:59	0°♊	
retrograde	-9410 Jan 11 j 12:47	20°♊54'30	
opposition	-9410 Feb 12 j 05:21	15°♊16'34	6°10'02
greatest brilliancy	-9410 Feb 13 j 18:25	14°♊48'57	-2.6m
min. Earth dist.	-9410 Feb 18 j 21:03	13°♊18'13	0.41716 AU
direct	-9410 Mar 18 j 05:55	8°♊43'39	
	-9410 May 20 j 12:35	0°♋	
desc. node	-9410 May 25 j 23:52	3°♋07'30	
	-9410 Jul 07 j 04:59	0°♌	
	-9410 Aug 19 j 13:35	0°♍	
	-9410 Oct 01 j 10:26	0°♎	
	-9410 Nov 14 j 02:26	0°♏	
	-9410 Dec 29 j 01:13	0°♐	
evening set	-9409 Feb 10 j 01:43	27°♐58'54	
	-9409 Feb 13 j 04:56	0°♑	
conjunction	-9409 Mar 30 j 15:35	29°♑06'17	-0°24'06
minimum elong	-9409 Mar 30 j 16:30	29°♑07'45	0°24'38
max. Earth dist.	-9409 Mar 30 j 11:55	29°♑00'25	2.66616 AU
	-9409 Apr 01 j 01:12	0°♒	
asc. node	-9409 May 11 j 23:05	26°♒12'16	
morning rise	-9409 May 16 j 08:18	29°♒01'31	
	-9409 May 17 j 20:38	0°♓	
	-9409 Jul 03 j 01:17	0°♈	
	-9409 Aug 17 j 10:06	0°♉	
	-9409 Oct 01 j 04:02	0°♊	
	-9409 Nov 14 j 22:57	0°♋	
	-9409 Dec 31 j 12:35	0°♌	
	-9408 Feb 28 j 02:52	0°♍	
retrograde	-9408 Mar 29 j 01:53	5°♍36'18	
desc. node	-9408 Apr 12 j 05:31	4°♍16'52	
min. Earth dist.	-9408 Apr 25 j 14:57	1°♍02'16	0.39449 AU
	-9408 Apr 29 j 05:40	30°℞♌	
opposition	-9408 Apr 30 j 16:44	29°♌34'42	-1°25'05
greatest brilliancy	-9408 Apr 30 j 08:54	29°♌40'22	-2.8m
direct	-9408 May 31 j 02:23	24°♌16'02	
	-9408 Jul 01 j 11:26	0°♍	
	-9408 Aug 31 j 22:08	0°♎	
	-9408 Oct 20 j 11:04	0°♏	
	-9408 Dec 07 j 08:23	0°♐	
	-9407 Jan 24 j 01:52	0°♑	
	-9407 Mar 12 j 15:24	0°♒	
evening set	-9407 Mar 20 j 15:42	5°♒05'21	
asc. node	-9407 Mar 28 j 16:56	10°♒13'01	
max. Earth dist.	-9407 Apr 22 j 19:05	26°♒19'15	2.64493 AU
	-9407 Apr 28 j 11:31	0°♓	
conjunction	-9407 May 07 j 07:37	5°♓44'44	0°22'53
minimum elong	-9407 May 07 j 06:46	5°♓43'21	0°22'34
	-9407 Jun 13 j 00:22	0°♈	
morning rise	-9407 Jun 23 j 01:01	6°♈44'57	
	-9407 Jul 26 j 22:51	0°♉	
	-9407 Sep 07 j 08:29	0°♊	
	-9407 Oct 18 j 13:50	0°♋	
	-9407 Nov 28 j 05:16	0°♌	
	-9406 Jan 08 j 06:30	0°♍	
	-9406 Feb 20 j 18:04	0°♎	
desc. node	-9406 Feb 28 j 05:55	4°♎49'05	
	-9406 Apr 15 j 07:22	0°♏	
retrograde	-9406 May 25 j 11:02	9°♏39'12	
min. Earth dist.	-9406 Jun 24 j 12:07	3°♏31'38	0.50764 AU
greatest brilliancy	-9406 Jun 30 j 17:43	1°♏14'10	-2.1m
opposition	-9406 Jul 02 j 05:27	0°♏41'08	-5°39'08
	-9406 Jul 04 j 02:25	30°℞♎	
direct	-9406 Aug 05 j 10:41	23°♎19'59	
	-9406 Sep 09 j 08:49	0°♏	
	-9406 Nov 12 j 01:24	0°♐	
	-9405 Jan 03 j 03:59	0°♑	
asc. node	-9405 Feb 13 j 15:51	25°♑08'27	
	-9405 Feb 21 j 12:37	0°♒	
	-9405 Apr 10 j 00:03	0°♓	
evening set	-9405 Apr 29 j 11:14	12°♓40'32	
max. Earth dist.	-9405 May 20 j 16:02	26°♓45'53	2.57240 AU
	-9405 May 25 j 11:14	0°♈	
conjunction	-9405 Jun 17 j 16:05	15°♈52'39	1°02'31
minimum elong	-9405 Jun 17 j 14:32	15°♈49'58	1°02'36
	-9405 Jul 07 j 19:36	0°♉	
morning rise	-9405 Aug 06 j 22:31	21°♉41'50	
	-9405 Aug 18 j 05:27	0°♊	

Attention, astronomical year style is used: The year -9900 in astronomical counting style is the year 9901 BCE in historical counting style.

	-9405 Sep 27 j 04:10	0°♋	
	-9405 Nov 05 j 07:52	0°♌	
	-9405 Dec 14 j 12:15	0°♍	
desc. node	-9404 Jan 16 j 01:50	24°♍22'56	
	-9404 Jan 23 j 18:01	0°♎	
	-9404 Mar 06 j 12:12	0°♏	
	-9404 Apr 24 j 03:05	0°♐	
retrograde	-9404 Jul 05 j 02:20	24°♐23'02	
min. Earth dist.	-9404 Aug 09 j 06:17	16°♐17'48	0.61315 AU
opposition	-9404 Aug 13 j 19:57	14°♐28'28	-4°42'19
greatest brilliancy	-9404 Aug 13 j 03:23	14°♐44'59	-1.6m
direct	-9404 Sep 20 j 10:55	5°♐40'07	
	-9404 Dec 06 j 11:21	0°♑	
asc. node	-9404 Dec 31 j 19:17	13°♑15'17	
	-9403 Jan 30 j 08:57	0°♒	
	-9403 Mar 20 j 15:54	0°♓	
	-9403 May 05 j 15:45	0°♈	
evening set	-9403 Jun 12 j 07:10	26°♈00'19	
	-9403 Jun 17 j 22:02	0°♉	
max. Earth dist.	-9403 Jun 28 j 10:40	7°♉33'50	2.45907 AU
	-9403 Jul 28 j 21:54	0°♊	
conjunction	-9403 Aug 05 j 11:47	5°♊41'48	1°08'41
minimum elong	-9403 Aug 05 j 13:17	5°♊44'36	1°09'10
	-9403 Sep 06 j 06:53	0°♋	
morning rise	-9403 Oct 03 j 17:22	21°♋19'53	
	-9403 Oct 14 j 19:47	0°♌	
	-9403 Nov 22 j 09:08	0°♍	
desc. node	-9403 Dec 02 j 20:23	8°♍03'13	
	-9403 Dec 31 j 20:16	0°♎	
	-9402 Feb 11 j 03:00	0°♏	
	-9402 Mar 27 j 07:26	0°♐	
	-9402 May 15 j 16:24	0°♑	
	-9402 Jul 30 j 22:54	0°♒	
retrograde	-9402 Aug 09 j 22:25	0°♒37'23	
	-9402 Aug 19 j 13:06	30°℞♑	
opposition	-9402 Sep 18 j 19:25	20°♑50'07	-2°18'25
min. Earth dist.	-9402 Sep 17 j 23:24	21°♑10'17	0.66336 AU
greatest brilliancy	-9402 Sep 18 j 18:25	20°♑51'07	-1.4m
direct	-9402 Oct 28 j 16:25	11°♑12'16	
asc. node	-9402 Nov 19 j 00:50	13°♑46'01	
	-9401 Jan 02 j 07:53	0°♒	
	-9401 Feb 26 j 22:53	0°♓	
	-9401 Apr 15 j 17:42	0°♈	
	-9401 May 29 j 12:11	0°♉	
	-9401 Jul 09 j 12:21	0°♊	
evening set	-9401 Aug 06 j 22:33	21°♊39'28	
	-9401 Aug 17 j 17:04	0°♋	
	-9401 Sep 25 j 00:48	0°♌	
conjunction	-9401 Oct 08 j 00:26	10°♌11'33	0°09'37
minimum elong	-9401 Oct 08 j 01:22	10°♌13'24	0°10'05
behind sun begin	-9401 Oct 07 j 03:32	9°♌30'36	
behind sun end	-9401 Oct 08 j 23:13	10°♌56'11	
desc. node	-9401 Oct 20 j 14:06	20°♌01'34	
	-9401 Nov 02 j 09:43	0°♍	
max. Earth dist.	-9401 Nov 02 j 15:15	0°♍10'43	2.38643 AU
	-9401 Dec 11 j 16:45	0°♎	
morning rise	-9401 Dec 12 j 15:09	0°♎41'59	
	-9400 Jan 21 j 15:52	0°♏	
	-9400 Mar 04 j 21:38	0°♐	
	-9400 Apr 20 j 01:13	0°♑	
	-9400 Jun 09 j 15:35	0°♒	
	-9400 Aug 15 j 01:44	0°♓	
retrograde	-9400 Sep 13 j 11:04	4°♓41'44	
asc. node	-9400 Oct 06 j 04:58	1°♓18'11	
	-9400 Oct 10 j 08:43	30°℞♒	

opposition	-9400 Oct 22 j 09:01	25°♒30'23	0°38'32
greatest brilliancy	-9400 Oct 22 j 10:18	25°♒29'07	-1.4m
min. Earth dist.	-9400 Oct 25 j 06:06	24°♒21'49	0.65229 AU
direct	-9400 Dec 02 j 06:32	15°♒31'03	
	-9399 Jan 26 j 08:47	0°♓	
	-9399 Mar 22 j 18:14	0°♈	
	-9399 May 07 j 12:36	0°♉	
	-9399 Jun 18 j 05:08	0°♊	
	-9399 Jul 27 j 16:02	0°♋	
	-9399 Sep 04 j 03:05	0°♌	
desc. node	-9399 Sep 06 j 10:39	1°♌48'44	
evening set	-9399 Oct 10 j 23:52	28°♌43'51	
	-9399 Oct 12 j 15:18	0°♍	
	-9399 Nov 21 j 02:13	0°♎	
conjunction	-9399 Dec 11 j 11:28	15°♎03'23	-1°00'16
minimum elong	-9399 Dec 11 j 08:50	14°♎58'34	1°00'20
	-9398 Jan 01 j 04:28	0°♏	