Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

conjunction	-8899 Jul 14 j 04:42	16°♉12'02	1°12'20	
minimum elong	-8899 Jul 14 j 04:19	16°♉11'22	1°12'42	
	-8899 Aug 02 j 03:47	0°♊		
morning rise	-8899 Sep 05 j 19:40	25°♊55'04		
	-8899 Sep 11 j 04:31	0°♋		
	-8899 Oct 20 j 03:54	0°♌		
	-8899 Nov 27 j 21:01	0°♍		
desc. node	-8899 Dec 24 j 14:09	20°♍27'45		
	-8898 Jan 06 j 05:27	0°♎		
	-8898 Feb 16 j 06:03	0°♏		
	-8898 Apr 01 j 09:33	0°♐		
	-8898 May 22 j 09:58	0°♑		
retrograde	-8898 Jul 28 j 05:00	20°♑57'50		
min. Earth dist.	-8898 Sep 03 j 08:41	12°♑10'44	0.64403 AU	
opposition	-8898 Sep 06 j 05:11	11°♑01'55	-3°21'39	
greatest brilliancy	-8898 Sep 05 j 22:06	11°♑09'02	-1.5m	
direct	-8898 Oct 15 j 02:23	1°♑46'31		
asc. node	-8898 Dec 07 j 07:02	15°♑00'40		
	-8897 Jan 08 j 00:09	0°♒		
	-8897 Mar 02 j 07:25	0°♓		
	-8897 Apr 19 j 01:46	0°♈		
	-8897 Jun 02 j 08:49	0°♉		
evening set	-8897 Jul 12 j 07:00	28°♉44'44		
	-8897 Jul 13 j 23:42	0°♊		
max. Earth dist.	-8897 Aug 06 j 11:26	17°♊37'10	2.40540 AU	
	-8897 Aug 22 j 15:57	0°♋		
conjunction	-8897 Sep 08 j 02:49	12°♋43'57	0°45'13	
minimum elong	-8897 Sep 08 j 05:44	12°♋49'38	0°45'44	
	-8897 Sep 30 j 05:24	0°♌		
	-8897 Nov 07 j 13:03	0°♍		
morning rise	-8897 Nov 11 j 03:14	2°♍47'48		
desc. node	-8897 Nov 11 j 07:26	2°♍55'57		
	-8897 Dec 16 j 12:02	0°♎		
	-8896 Jan 25 j 22:23	0°♏		
	-8896 Mar 08 j 14:58	0°♐		
	-8896 Apr 23 j 13:44	0°♑		
	-8896 Jun 14 j 10:01	0°♒		
retrograde	-8896 Aug 31 j 06:14	25°♒32'54		
opposition	-8896 Oct 09 j 21:08	15°♒59'16	-0°34'00	
greatest brilliancy	-8896 Oct 09 j 21:49	15°♒58'35	-1.4m	
min. Earth dist.	-8896 Oct 10 j 18:28	15°♒37'55	0.66639 AU	
asc. node	-8896 Oct 24 j 12:01	10°♒29'39		
direct	-8896 Nov 19 j 11:15	6°♒07'37		
	-8895 Feb 02 j 23:43	0°♓		
	-8895 Mar 27 j 13:09	0°♈		
	-8895 May 12 j 05:58	0°♉		
	-8895 Jun 23 j 06:38	0°♊		
	-8895 Aug 01 j 23:58	0°♋		
	-8895 Sep 09 j 11:52	0°♌		
evening set	-8895 Sep 10 j 21:25	1°♌05'51		
desc. node	-8895 Sep 28 j 02:12	14°♌36'24		
	-8895 Oct 17 j 18:06	0°♍		
conjunction	-8895 Nov 13 j 14:05	20°♍45'57	-0°33'45	
minimum elong	-8895 Nov 13 j 11:20	20°♍40'42	0°33'33	
	-8895 Nov 25 j 16:39	0°♎		
max. Earth dist.	-8895 Dec 29 j 20:14	25°♎27'02	2.43492 AU	
	-8894 Jan 05 j 02:07	0°♏		
morning rise	-8894 Jan 15 j 23:02	7°♏50'27		
	-8894 Feb 16 j 12:07	0°♐		
	-8894 Apr 02 j 07:54	0°♑		
	-8894 May 19 j 23:57	0°♒		
	-8894 Jul 11 j 07:28	0°♓		
asc. node	-8894 Sep 11 j 14:43	26°♓31'48		
	-8894 Oct 01 j 24:00	0°♈		
retrograde	-8894 Oct 07 j 06:32	0°♈10'18		
	-8894 Oct 12 j 10:53	30°℞♓		
opposition	-8894 Nov 14 j 11:02	21°♓23'44	2°30'23	
greatest brilliancy	-8894 Nov 14 j 19:18	21°♓15'41	-1.5m	
min. Earth dist.	-8894 Nov 19 j 01:04	19°♓36'37	0.62726 AU	
direct	-8894 Dec 25 j 09:42	11°♓26'17		
	-8893 Feb 26 j 03:58	0°♈		
	-8893 Apr 18 j 23:22	0°♉		
	-8893 Jun 01 j 19:09	0°♊		
	-8893 Jul 12 j 06:00	0°♋		
desc. node	-8893 Aug 16 j 01:16	26°♋48'49		
	-8893 Aug 20 j 03:37	0°♌		
	-8893 Sep 27 j 17:39	0°♍		
	-8893 Nov 05 j 23:56	0°♎		
evening set	-8893 Nov 15 j 08:39	7°♎00'41		
	-8893 Dec 16 j 16:54	0°♏		
conjunction	-8892 Jan 12 j 14:12	19°♏05'32	-1°12'07	
minimum elong	-8892 Jan 12 j 13:48	19°♏04'50	1°12'30	
	-8892 Jan 28 j 07:46	0°♐		
max. Earth dist.	-8892 Feb 13 j 23:23	11°♐20'28	2.55645 AU	
morning rise	-8892 Mar 07 j 06:11	26°♐13'22		
	-8892 Mar 12 j 23:47	0°♑		
	-8892 Apr 28 j 13:17	0°♒		
	-8892 Jun 15 j 22:45	0°♓		
asc. node	-8892 Jul 29 j 12:32	25°♓42'21		
	-8892 Aug 06 j 03:11	0°♈		
	-8892 Oct 06 j 02:34	0°♉		
retrograde	-8892 Nov 20 j 08:05	10°♉06'46		
opposition	-8892 Dec 25 j 20:04	2°♉39'21	5°27'01	
greatest brilliancy	-8892 Dec 27 j 05:09	2°♉09'33	-1.9m	
	-8891 Jan 02 j 05:19	30°℞♈		
min. Earth dist.	-8891 Jan 02 j 15:03	29°♈51'25	0.53067 AU	
direct	-8891 Feb 03 j 00:43	23°♈34'16		
	-8891 Mar 07 j 20:38	0°♉		
	-8891 May 04 j 06:27	0°♊		
	-8891 Jun 17 j 01:58	0°♋		
desc. node	-8891 Jul 03 j 03:33	11°♋43'50		
	-8891 Jul 27 j 14:55	0°♌		
	-8891 Sep 05 j 08:09	0°♍		
	-8891 Oct 15 j 12:55	0°♎		
	-8891 Nov 26 j 01:10	0°♏		
evening set	-8890 Jan 06 j 21:08	29°♏02'10		
	-8890 Jan 08 j 07:11	0°♐		
	-8890 Feb 22 j 07:29	0°♑		
conjunction	-8890 Feb 27 j 14:51	3°♑28'18	-0°55'30	
minimum elong	-8890 Feb 27 j 16:30	3°♑31'00	0°56'04	
max. Earth dist.	-8890 Mar 13 j 19:32	12°♑42'04	2.63785 AU	
	-8890 Apr 09 j 16:46	0°♒		
morning rise	-8890 Apr 17 j 15:19	5°♒04'21		
	-8890 May 26 j 21:29	0°♓		
asc. node	-8890 Jun 16 j 06:09	12°♓51'15		
	-8890 Jul 13 j 12:37	0°♈		
	-8890 Aug 30 j 20:47	0°♉		
	-8890 Oct 20 j 17:00	0°♊		
	-8890 Dec 24 j 12:41	0°♋		
retrograde	-8889 Jan 22 j 23:38	4°♋51'10		
	-8889 Feb 21 j 05:51	30°℞♊		
opposition	-8889 Feb 23 j 12:16	29°♊20'37	5°35'56	
greatest brilliancy	-8889 Feb 24 j 20:56	28°♊56'46	-2.7m	
min. Earth dist.	-8889 Mar 01 j 16:36	27°♊33'08	0.41006 AU	
direct	-8889 Mar 28 j 22:14	23°♊01'46		
	-8889 May 01 j 14:41	0°♋		

Command: swevents -p4 -doall -mpdf -eswe -b1.1.-8900 -n183366 -roundmin

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

desc. node	-8889 May 21 j 07:11	8°♋53'22	
	-8889 Jun 26 j 10:52	0°♌	
	-8889 Aug 10 j 06:18	0°♍	
	-8889 Sep 22 j 10:29	0°♎	
	-8889 Nov 04 j 23:38	0°♏	
	-8889 Dec 19 j 15:40	0°♐	
	-8888 Feb 03 j 13:32	0°♑	
evening set	-8888 Feb 19 j 10:23	10°♑13'28	
	-8888 Mar 21 j 07:36	0°♒	
conjunction	-8888 Apr 07 j 19:47	11°♒10'58	-0°14'25
minimum elong	-8888 Apr 07 j 20:21	11°♒11'53	0°14'53
behind sun begin	-8888 Apr 07 j 13:46	11°♒01'23	
behind sun end	-8888 Apr 08 j 02:56	11°♒22'23	
max. Earth dist.	-8888 Apr 06 j 12:48	10°♒21'30	2.66690 AU
asc. node	-8888 May 02 j 23:00	27°♒15'45	
	-8888 May 07 j 05:24	0°♓	
morning rise	-8888 May 24 j 08:06	11°♓00'28	
	-8888 Jun 22 j 14:54	0°♈	
	-8888 Aug 07 j 03:25	0°♉	
	-8888 Sep 20 j 20:28	0°♊	
	-8888 Nov 04 j 04:15	0°♋	
	-8888 Dec 19 j 03:51	0°♌	
	-8887 Feb 06 j 10:15	0°♍	
desc. node	-8887 Apr 07 j 12:27	20°♍15'16	
retrograde	-8887 Apr 09 j 09:26	20°♍16'42	
min. Earth dist.	-8887 May 06 j 11:47	15°♍44'14	0.39920 AU
opposition	-8887 May 12 j 06:55	14°♍02'52	-2°35'08
greatest brilliancy	-8887 May 11 j 15:46	14°♍13'58	-2.8m
direct	-8887 Jun 11 j 20:20	8°♍38'16	
	-8887 Aug 17 j 19:51	0°♎	
	-8887 Oct 09 j 08:14	0°♏	
	-8887 Nov 26 j 22:59	0°♐	
	-8886 Jan 13 j 22:31	0°♑	
	-8886 Mar 02 j 17:24	0°♒	
asc. node	-8886 Mar 20 j 17:56	11°♒23'28	
evening set	-8886 Mar 29 j 20:12	17°♒09'59	
	-8886 Apr 18 j 22:01	0°♓	
max. Earth dist.	-8886 May 01 j 02:44	7°♓51'49	2.64206 AU
conjunction	-8886 May 16 j 10:03	17°♓49'13	0°31'58
minimum elong	-8886 May 16 j 08:55	17°♓47'21	0°31'47
	-8886 Jun 03 j 22:04	0°♈	
morning rise	-8886 Jul 02 j 03:21	18°♈55'50	
	-8886 Jul 18 j 07:55	0°♉	
	-8886 Aug 30 j 02:53	0°♊	
	-8886 Oct 10 j 13:24	0°♋	
	-8886 Nov 20 j 03:59	0°♌	
	-8886 Dec 30 j 17:50	0°♍	
	-8885 Feb 10 j 17:40	0°♎	
desc. node	-8885 Feb 23 j 13:38	8°♎41'57	
	-8885 Mar 29 j 20:05	0°♏	
retrograde	-8885 Jun 04 j 01:42	22°♏46'57	
min. Earth dist.	-8885 Jul 04 j 11:47	16°♏31'17	0.51596 AU
greatest brilliancy	-8885 Jul 10 j 15:35	14°♏14'12	-2.0m
opposition	-8885 Jul 12 j 02:57	13°♏41'17	-5°45'45
direct	-8885 Aug 15 j 14:18	6°♏12'49	
	-8885 Oct 29 j 00:39	0°♐	
	-8885 Dec 22 j 18:05	0°♑	
asc. node	-8884 Feb 05 j 16:54	26°♑43'25	
	-8884 Feb 11 j 02:08	0°♒	
	-8884 Mar 30 j 06:52	0°♓	
evening set	-8884 May 07 j 17:53	24°♓53'32	
	-8884 May 15 j 10:56	0°♈	
max. Earth dist.	-8884 May 28 j 00:28	8°♈25'01	2.56616 AU
conjunction	-8884 Jun 26 j 00:19	28°♈17'33	1°06'57
minimum elong	-8884 Jun 25 j 23:02	28°♈15'19	1°07'09
	-8884 Jun 28 j 11:03	0°♉	
	-8884 Aug 09 j 09:55	0°♊	
morning rise	-8884 Aug 15 j 14:54	4°♊33'10	
	-8884 Sep 18 j 17:01	0°♋	
	-8884 Oct 27 j 23:27	0°♌	
	-8884 Dec 05 j 23:44	0°♍	
desc. node	-8883 Jan 10 j 09:24	26°♍48'39	
	-8883 Jan 14 j 16:12	0°♎	
	-8883 Feb 25 j 06:16	0°♏	
	-8883 Apr 11 j 21:35	0°♐	
	-8883 Jun 10 j 06:06	0°♑	
retrograde	-8883 Jul 14 j 01:48	6°♑37'12	
	-8883 Aug 14 j 12:36	30°℞♐	
min. Earth dist.	-8883 Aug 18 j 13:46	28°♐25'18	0.61855 AU
opposition	-8883 Aug 22 j 21:28	26°♐41'55	-4°18'15
greatest brilliancy	-8883 Aug 22 j 07:18	26°♐56'02	-1.6m
direct	-8883 Sep 29 j 18:45	17°♐48'42	
	-8883 Nov 19 j 06:03	0°♑	
asc. node	-8883 Dec 23 j 20:24	16°♑11'57	
	-8882 Jan 18 j 11:56	0°♒	
	-8882 Mar 10 j 10:44	0°♓	
	-8882 Apr 26 j 12:28	0°♈	
	-8882 Jun 09 j 15:06	0°♉	
evening set	-8882 Jun 21 j 23:10	8°♉43'09	
max. Earth dist.	-8882 Jul 08 j 06:12	20°♉27'20	2.45087 AU
	-8882 Jul 21 j 06:35	0°♊	
conjunction	-8882 Aug 15 j 13:28	18°♊56'27	1°04'06
minimum elong	-8882 Aug 15 j 15:33	19°♊00'24	1°04'38
	-8882 Aug 30 j 01:15	0°♋	
	-8882 Oct 07 j 17:31	0°♌	
morning rise	-8882 Oct 14 j 14:34	5°♌22'25	
	-8882 Nov 15 j 03:40	0°♍	
desc. node	-8882 Nov 28 j 03:21	10°♍04'02	
	-8882 Dec 24 j 04:41	0°♎	
	-8881 Feb 02 j 17:57	0°♏	
	-8881 Mar 17 j 18:16	0°♐	
	-8881 May 03 j 18:10	0°♑	
	-8881 Jun 29 j 14:16	0°♒	
retrograde	-8881 Aug 18 j 16:15	12°♒30'53	
opposition	-8881 Sep 27 j 13:58	2°♒45'29	-1°41'46
min. Earth dist.	-8881 Sep 27 j 00:24	2°♒59'08	0.66492 AU
greatest brilliancy	-8881 Sep 27 j 13:39	2°♒45'48	-1.4m
	-8881 Oct 04 j 13:24	30°℞♑	
direct	-8881 Nov 06 j 15:32	23°♑04'52	
asc. node	-8881 Nov 11 j 02:07	23°♑12'09	
	-8881 Dec 13 j 06:15	0°♒	
	-8880 Feb 15 j 04:34	0°♓	
	-8880 Apr 05 j 02:09	0°♈	
	-8880 May 20 j 01:29	0°♉	
	-8880 Jun 30 j 20:54	0°♊	
	-8880 Aug 09 j 12:56	0°♋	
evening set	-8880 Aug 16 j 08:44	5°♋16'27	
	-8880 Sep 17 j 00:36	0°♌	
desc. node	-8880 Oct 14 j 21:54	21°♌53'59	
conjunction	-8880 Oct 17 j 22:43	24°♌16'33	-0°02'21
minimum elong	-8880 Oct 17 j 22:33	24°♌16'13	0°01'58
behind sun begin	-8880 Oct 16 j 19:10	23°♌22'39	
behind sun end	-8880 Oct 19 j 01:55	25°♌09'46	
	-8880 Oct 25 j 06:26	0°♍	
max. Earth dist.	-8880 Nov 20 j 09:17	20°♍14'24	2.39080 AU
	-8880 Dec 03 j 03:54	0°♎	
morning rise	-8880 Dec 22 j 15:18	14°♎38'55	
	-8879 Jan 12 j 12:06	0°♏	
	-8879 Feb 23 j 22:21	0°♐	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8879 Apr 09 j 23:52	0°♉	
	-8879 May 28 j 14:45	0°♒	
	-8879 Jul 24 j 00:13	0°♓	
retrograde	-8879 Sep 22 j 07:42	16°♓34'20	
asc. node	-8879 Sep 28 j 06:08	16°♓20'44	
opposition	-8879 Oct 31 j 04:59	7°♓26'20	1°17'39
greatest brilliancy	-8879 Oct 31 j 07:45	7°♓23'37	-1.4m
min. Earth dist.	-8879 Nov 03 j 08:46	6°♓11'28	0.64985 AU
	-8879 Nov 21 j 10:56	30°℞♒	
direct	-8879 Dec 11 j 05:00	27°♒26'33	
	-8878 Jan 01 j 05:37	0°♓	
	-8878 Mar 11 j 06:33	0°♈	
	-8878 Apr 28 j 10:35	0°♉	
	-8878 Jun 10 j 06:55	0°♊	
	-8878 Jul 20 j 08:14	0°♋	
	-8878 Aug 28 j 00:24	0°♌	
desc. node	-8878 Sep 01 j 18:22	3°♌42'50	
	-8878 Oct 05 j 10:05	0°♍	
evening set	-8878 Oct 21 j 18:54	12°♍40'00	
	-8878 Nov 13 j 12:02	0°♎	
conjunction	-8878 Dec 22 j 00:02	28°♎31'50	-1°05'25
minimum elong	-8878 Dec 21 j 21:55	28°♎27'59	1°05'37
	-8878 Dec 24 j 00:43	0°♏	
max. Earth dist.	-8877 Jan 30 j 16:51	26°♏40'48	2.51203 AU
	-8877 Feb 04 j 12:10	0°♐	
morning rise	-8877 Feb 17 j 21:52	9°♐09'53	
	-8877 Mar 21 j 03:25	0°♑	
	-8877 May 06 j 23:00	0°♒	
	-8877 Jun 25 j 07:29	0°♓	
asc. node	-8877 Aug 16 j 05:34	28°♓41'12	
	-8877 Aug 18 j 20:21	0°♈	
retrograde	-8877 Nov 02 j 05:47	23°♈37'26	
opposition	-8877 Dec 08 j 23:51	15°♈33'52	4°22'57
greatest brilliancy	-8877 Dec 09 j 22:06	15°♈12'59	-1.7m
min. Earth dist.	-8877 Dec 15 j 16:47	13°♈03'07	0.57471 AU
direct	-8876 Jan 18 j 05:38	5°♈57'26	
	-8876 Mar 29 j 10:52	0°♉	
	-8876 May 16 j 05:07	0°♊	
	-8876 Jun 27 j 00:41	0°♋	
desc. node	-8876 Jul 19 j 19:52	17°♋09'20	
	-8876 Aug 05 j 15:30	0°♌	
	-8876 Sep 13 j 18:02	0°♍	
	-8876 Oct 23 j 10:57	0°♎	
	-8876 Dec 03 j 13:16	0°♏	
evening set	-8876 Dec 18 j 14:46	10°♏40'53	
	-8875 Jan 15 j 11:31	0°♐	
conjunction	-8875 Feb 10 j 12:12	17°♐34'14	-1°06'17
minimum elong	-8875 Feb 10 j 13:33	17°♐36'29	1°06'48
	-8875 Mar 01 j 06:53	0°♑	
max. Earth dist.	-8875 Mar 03 j 12:52	1°♑28'35	2.61205 AU
morning rise	-8875 Apr 02 j 07:09	20°♑47'54	
	-8875 Apr 16 j 15:48	0°♒	
	-8875 Jun 03 j 03:58	0°♓	
asc. node	-8875 Jul 03 j 00:25	18°♓32'23	
	-8875 Jul 21 j 17:15	0°♈	
	-8875 Sep 10 j 10:56	0°♉	
	-8875 Nov 09 j 02:41	0°♊	
retrograde	-8875 Dec 26 j 03:51	10°♊57'52	
opposition	-8874 Jan 28 j 05:10	4°♊40'05	6°19'23
greatest brilliancy	-8874 Jan 30 j 00:03	4°♊05'17	-2.4m
min. Earth dist.	-8874 Feb 05 j 06:05	2°♊04'31	0.45467 AU
	-8874 Feb 12 j 09:13	30°℞♉	
direct	-8874 Mar 05 j 11:11	27°♉02'23	
	-8874 Mar 26 j 18:00	0°♊	
	-8874 May 27 j 07:16	0°♋	
desc. node	-8874 Jun 07 j 00:33	6°♋55'04	
	-8874 Jul 10 j 14:59	0°♌	
	-8874 Aug 21 j 06:35	0°♍	
	-8874 Oct 01 j 18:30	0°♎	
	-8874 Nov 13 j 05:41	0°♏	
	-8874 Dec 27 j 04:27	0°♐	
evening set	-8873 Feb 03 j 07:14	25°♐12'53	
	-8873 Feb 10 j 15:24	0°♑	
conjunction	-8873 Mar 24 j 16:05	27°♑06'41	-0°31'48
minimum elong	-8873 Mar 24 j 17:16	27°♑08'35	0°32'20
max. Earth dist.	-8873 Mar 29 j 02:12	29°♑56'36	2.66190 AU
	-8873 Mar 29 j 04:20	0°♒	
morning rise	-8873 May 10 j 20:10	27°♒15'31	
	-8873 May 15 j 03:05	0°♓	
asc. node	-8873 May 20 j 16:34	3°♓33'29	
	-8873 Jun 30 j 20:52	0°♈	
	-8873 Aug 16 j 04:08	0°♉	
	-8873 Oct 01 j 08:01	0°♊	
	-8873 Nov 17 j 08:47	0°♋	
	-8872 Jan 07 j 20:28	0°♌	
retrograde	-8872 Mar 11 j 13:00	20°♌10'06	
min. Earth dist.	-8872 Apr 10 j 11:04	15°♌12'56	0.38089 AU
opposition	-8872 Apr 11 j 14:38	14°♌54'19	1°00'20
greatest brilliancy	-8872 Apr 11 j 15:04	14°♌54'02	-3.0m
desc. node	-8872 Apr 24 j 04:45	11°♌47'17	
direct	-8872 May 11 j 21:50	9°♌49'28	
	-8872 Jul 14 j 05:41	0°♍	
	-8872 Sep 03 j 05:47	0°♎	
	-8872 Oct 20 j 02:18	0°♏	
	-8872 Dec 05 j 13:24	0°♐	
	-8871 Jan 21 j 11:37	0°♑	
	-8871 Mar 09 j 18:05	0°♒	
evening set	-8871 Mar 14 j 16:54	3°♒08'34	
asc. node	-8871 Apr 06 j 10:35	17°♒36'59	
max. Earth dist.	-8871 Apr 21 j 12:35	27°♒16'07	2.65813 AU
	-8871 Apr 25 j 18:36	0°♓	
conjunction	-8871 May 01 j 08:10	3°♓35'00	0°14'22
minimum elong	-8871 May 01 j 07:38	3°♓34'08	0°14'03
behind sun begin	-8871 Apr 30 j 22:27	3°♓19'22	
behind sun end	-8871 May 01 j 16:48	3°♓48'54	
	-8871 Jun 10 j 20:55	0°♈	
morning rise	-8871 Jun 16 j 15:27	3°♈48'56	
	-8871 Jul 25 j 14:56	0°♉	
	-8871 Sep 06 j 23:33	0°♊	
	-8871 Oct 19 j 04:55	0°♋	
	-8871 Nov 29 j 19:44	0°♌	
	-8870 Jan 10 j 20:03	0°♍	
	-8870 Feb 24 j 17:30	0°♎	
desc. node	-8870 Mar 12 j 06:39	9°♎16'19	
	-8870 May 01 j 02:07	0°♏	
retrograde	-8870 May 15 j 21:11	1°♏31'17	
	-8870 May 30 j 09:39	30°℞♎	
min. Earth dist.	-8870 Jun 13 j 06:55	26°♎06'25	0.46661 AU
greatest brilliancy	-8870 Jun 19 j 20:18	23°♎50'03	-2.3m
opposition	-8870 Jun 21 j 09:41	23°♎17'27	-5°27'03
direct	-8870 Jul 24 j 06:10	16°♎35'28	
	-8870 Sep 13 j 23:55	0°♏	
	-8870 Nov 10 j 17:52	0°♐	
	-8870 Dec 31 j 14:59	0°♑	
	-8869 Feb 18 j 15:51	0°♒	
asc. node	-8869 Feb 22 j 08:20	2°♒17'14	
	-8869 Apr 07 j 08:35	0°♓	
evening set	-8869 Apr 22 j 21:40	9°♓59'45	
max. Earth dist.	-8869 May 17 j 10:36	26°♓02'40	2.60156 AU
	-8869 May 23 j 09:47	0°♈	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

conjunction	-8869 Jun 10 j 03:51	11°♈54'37	0°56'03
minimum elong	-8869 Jun 10 j 02:16	11°♈51'57	0°56'06
	-8869 Jul 06 j 12:42	0°♉	
morning rise	-8869 Jul 28 j 16:09	15°♉34'31	
	-8869 Aug 17 j 18:02	0°♊	
	-8869 Sep 27 j 09:52	0°♋	
	-8869 Nov 06 j 01:49	0°♌	
	-8869 Dec 15 j 12:10	0°♍	
	-8868 Jan 24 j 17:09	0°♎	
desc. node	-8868 Jan 28 j 05:15	2°♎33'21	
	-8868 Mar 07 j 06:57	0°♏	
	-8868 Apr 25 j 03:48	0°♐	
retrograde	-8868 Jun 29 j 04:19	21°♐09'43	
min. Earth dist.	-8868 Aug 01 j 19:41	13°♐38'52	0.58433 AU
opposition	-8868 Aug 07 j 14:00	11°♐23'15	-5°05'52
greatest brilliancy	-8868 Aug 06 j 15:17	11°♐45'33	-1.7m
direct	-8868 Sep 13 j 07:17	2°♐57'39	
	-8868 Dec 04 j 07:01	0°♑	
asc. node	-8867 Jan 09 j 10:11	19°♑32'19	
	-8867 Jan 27 j 14:15	0°♒	
	-8867 Mar 18 j 03:09	0°♓	
	-8867 May 03 j 17:54	0°♈	
evening set	-8867 Jun 03 j 09:20	20°♈42'08	
	-8867 Jun 16 j 18:26	0°♉	
max. Earth dist.	-8867 Jun 19 j 06:15	1°♉44'57	2.49878 AU
conjunction	-8867 Jul 25 j 08:59	27°♉42'15	1°12'03
minimum elong	-8867 Jul 25 j 09:26	27°♉43'03	1°12'29
	-8867 Jul 28 j 11:56	0°♊	
	-8867 Sep 06 j 10:36	0°♋	
morning rise	-8867 Sep 19 j 02:38	9°♋43'01	
	-8867 Oct 15 j 07:17	0°♌	
	-8867 Nov 22 j 21:36	0°♍	
desc. node	-8867 Dec 14 j 23:06	16°♍59'05	
	-8866 Jan 01 j 02:35	0°♎	
	-8866 Feb 10 j 21:23	0°♏	
	-8866 Mar 26 j 11:14	0°♐	
	-8866 May 14 j 09:05	0°♑	
retrograde	-8866 Aug 05 j 02:48	29°♑13'26	
min. Earth dist.	-8866 Sep 12 j 02:25	20°♑09'06	0.65408 AU
opposition	-8866 Sep 14 j 03:10	19°♑20'04	-2°46'14
greatest brilliancy	-8866 Sep 13 j 23:12	19°♑24'03	-1.4m
direct	-8866 Oct 23 j 11:38	9°♑54'25	
asc. node	-8866 Nov 27 j 15:18	16°♑20'08	
	-8866 Dec 30 j 23:52	0°♒	
	-8865 Feb 24 j 16:06	0°♓	
	-8865 Apr 14 j 02:05	0°♈	
	-8865 May 28 j 14:44	0°♉	
	-8865 Jul 09 j 07:24	0°♊	
evening set	-8865 Jul 24 j 16:58	11°♊29'57	
	-8865 Aug 17 j 23:33	0°♋	
max. Earth dist.	-8865 Sep 02 j 01:29	11°♋40'36	2.38623 AU
conjunction	-8865 Sep 22 j 11:00	27°♋36'53	0°29'49
minimum elong	-8865 Sep 22 j 13:27	27°♋41'41	0°30'18
	-8865 Sep 25 j 12:00	0°♌	
desc. node	-8865 Nov 01 j 16:49	29°♌09'58	
	-8865 Nov 02 j 18:28	0°♍	
morning rise	-8865 Nov 26 j 22:27	18°♍44'11	
	-8865 Dec 11 j 16:05	0°♎	
	-8864 Jan 21 j 00:29	0°♏	
	-8864 Mar 03 j 13:15	0°♐	
	-8864 Apr 18 j 01:07	0°♑	
	-8864 Jun 07 j 06:33	0°♒	
	-8864 Aug 14 j 12:12	0°♓	
retrograde	-8864 Sep 08 j 04:19	3°♓26'23	
	-8864 Oct 01 j 02:03	30°℞♒	
asc. node	-8864 Oct 14 j 19:58	25°♒06'50	
opposition	-8864 Oct 17 j 14:14	24°♒01'00	0°06'28
greatest brilliancy	-8864 Oct 17 j 14:25	24°♒00'50	-1.4m
min. Earth dist.	-8864 Oct 19 j 07:09	23°♒20'12	0.66324 AU
direct	-8864 Nov 27 j 09:35	14°♒05'05	
	-8863 Jan 25 j 02:52	0°♓	
	-8863 Mar 21 j 14:56	0°♈	
	-8863 May 07 j 01:11	0°♉	
	-8863 Jun 18 j 08:26	0°♊	
	-8863 Jul 28 j 04:34	0°♋	
	-8863 Sep 04 j 17:39	0°♌	
desc. node	-8863 Sep 18 j 13:48	10°♌51'36	
evening set	-8863 Sep 25 j 16:05	16°♌25'40	
	-8863 Oct 13 j 00:30	0°♍	
	-8863 Nov 20 j 23:15	0°♎	
conjunction	-8863 Nov 28 j 01:10	5°♎21'08	-0°48'13
minimum elong	-8863 Nov 27 j 22:02	5°♎15'13	0°48'09
	-8863 Dec 31 j 08:32	0°♏	
max. Earth dist.	-8862 Jan 12 j 17:21	8°♏54'48	2.46248 AU
morning rise	-8862 Jan 28 j 14:24	20°♏09'55	
	-8862 Feb 11 j 17:43	0°♐	
	-8862 Mar 28 j 10:05	0°♑	
	-8862 May 14 j 16:01	0°♒	
	-8862 Jul 04 j 13:10	0°♓	
asc. node	-8862 Sep 01 j 20:58	28°♓55'19	
	-8862 Sep 04 j 17:48	0°♈	
retrograde	-8862 Oct 16 j 07:26	8°♈42'12	
opposition	-8862 Nov 23 j 01:21	0°♈09'34	3°12'11
	-8862 Nov 23 j 11:17	30°℞♓	
greatest brilliancy	-8862 Nov 23 j 14:01	29°♓57'22	-1.6m
min. Earth dist.	-8862 Nov 28 j 10:26	28°♓05'18	0.61093 AU
direct	-8861 Jan 02 j 20:47	20°♓16'43	
	-8861 Feb 14 j 14:21	0°♈	
	-8861 Apr 12 j 07:03	0°♉	
	-8861 May 27 j 02:45	0°♊	
	-8861 Jul 06 j 23:09	0°♋	
desc. node	-8861 Aug 06 j 13:08	23°♋24'05	
	-8861 Aug 15 j 01:48	0°♌	
	-8861 Sep 22 j 19:25	0°♍	
	-8861 Nov 01 j 04:26	0°♎	
evening set	-8861 Nov 28 j 07:44	20°♎05'57	
	-8861 Dec 11 j 23:26	0°♏	
conjunction	-8860 Jan 23 j 22:23	0°♐11'34	-1°11'56
minimum elong	-8860 Jan 23 j 22:49	0°♐12'19	1°12'23
	-8860 Jan 23 j 15:38	0°♐	
max. Earth dist.	-8860 Feb 21 j 05:02	19°♐19'52	2.57807 AU
	-8860 Mar 08 j 07:25	0°♑	
morning rise	-8860 Mar 17 j 01:53	5°♑44'51	
	-8860 Apr 23 j 17:51	0°♒	
	-8860 Jun 10 j 17:24	0°♓	
asc. node	-8860 Jul 19 j 17:15	23°♓33'48	
	-8860 Jul 30 j 16:29	0°♈	
	-8860 Sep 24 j 00:08	0°♉	
retrograde	-8860 Dec 02 j 08:43	20°♉46'56	
opposition	-8859 Jan 06 j 00:36	13°♉42'38	5°55'39
greatest brilliancy	-8859 Jan 07 j 15:15	13°♉08'51	-2.1m
min. Earth dist.	-8859 Jan 14 j 04:36	10°♉51'52	0.50409 AU
direct	-8859 Feb 13 j 09:18	5°♉02'29	
	-8859 Apr 25 j 00:11	0°♊	
	-8859 Jun 10 j 04:21	0°♋	
desc. node	-8859 Jun 23 j 15:25	9°♋33'36	
	-8859 Jul 21 j 13:58	0°♌	
	-8859 Aug 30 j 19:02	0°♍	
	-8859 Oct 10 j 08:08	0°♎	
	-8859 Nov 21 j 02:28	0°♏	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8858 Jan 03 j 13:01	0°♐	
evening set	-8858 Jan 17 j 04:37	9°♐11'19	
	-8858 Feb 17 j 15:51	0°♑	
conjunction	-8858 Mar 08 j 23:13	12°♑33'41	-0°47'33
minimum elong	-8858 Mar 09 j 00:47	12°♑36'14	0°48'07
max. Earth dist.	-8858 Mar 19 j 14:07	19°♑25'08	2.64861 AU
	-8858 Apr 05 j 01:30	0°♒	
morning rise	-8858 Apr 26 j 05:16	13°♒30'48	
	-8858 May 22 j 03:09	0°♓	
asc. node	-8858 Jun 06 j 10:58	9°♓44'14	
	-8858 Jul 08 j 08:59	0°♈	
	-8858 Aug 24 j 19:41	0°♉	
	-8858 Oct 12 j 09:35	0°♊	
	-8858 Dec 04 j 17:57	0°♋	
retrograde	-8857 Feb 09 j 07:09	20°♋29'53	
opposition	-8857 Mar 12 j 02:18	15°♋17'48	4°24'31
greatest brilliancy	-8857 Mar 12 j 22:29	15°♋03'53	-2.8m
min. Earth dist.	-8857 Mar 16 j 05:52	14°♋09'19	0.39240 AU
direct	-8857 Apr 13 j 01:41	9°♋37'56	
desc. node	-8857 May 11 j 20:30	14°♋47'22	
	-8857 Jun 14 j 08:16	0°♌	
	-8857 Aug 02 j 07:37	0°♍	
	-8857 Sep 16 j 01:26	0°♎	
	-8857 Oct 30 j 10:19	0°♏	
	-8857 Dec 14 j 14:10	0°♐	
	-8856 Jan 29 j 18:51	0°♑	
evening set	-8856 Feb 28 j 09:36	18°♑58'11	
	-8856 Mar 16 j 16:29	0°♒	
max. Earth dist.	-8856 Apr 12 j 00:10	16°♒47'47	2.66600 AU
conjunction	-8856 Apr 16 j 10:10	19°♒37'16	-0°03'56
minimum elong	-8856 Apr 16 j 10:19	19°♒37'30	0°04'21
behind sun begin	-8856 Apr 15 j 15:22	19°♒07'13	
behind sun end	-8856 Apr 17 j 05:16	20°♒07'48	
asc. node	-8856 Apr 23 j 03:57	23°♒56'12	
	-8856 May 02 j 14:50	0°♓	
morning rise	-8856 Jun 01 j 18:04	19°♓28'07	
	-8856 Jun 17 j 21:14	0°♈	
	-8856 Aug 02 j 02:20	0°♉	
	-8856 Sep 15 j 05:46	0°♊	
	-8856 Oct 28 j 15:19	0°♋	
	-8856 Dec 10 j 23:44	0°♌	
	-8855 Jan 25 j 02:49	0°♍	
	-8855 Mar 22 j 13:16	0°♎	
desc. node	-8855 Mar 29 j 00:05	2°♎13'21	
retrograde	-8855 Apr 23 j 16:14	6°♎30'30	
min. Earth dist.	-8855 May 20 j 18:06	1°♎46'35	0.41994 AU
	-8855 May 26 j 10:52	30°℞♍	
opposition	-8855 May 27 j 23:01	29°♍31'31	-4°02'52
greatest brilliancy	-8855 May 26 j 20:03	29°♍52'45	-2.6m
direct	-8855 Jun 28 j 07:08	23°♍40'54	
	-8855 Jul 31 j 12:36	0°♎	
	-8855 Oct 01 j 10:20	0°♏	
	-8855 Nov 21 j 00:22	0°♐	
	-8854 Jan 08 j 18:59	0°♑	
	-8854 Feb 25 j 22:54	0°♒	
asc. node	-8854 Mar 11 j 00:14	8°♒12'19	
evening set	-8854 Apr 07 j 12:34	25°♒39'19	
	-8854 Apr 14 j 07:31	0°♓	
max. Earth dist.	-8854 May 06 j 22:39	14°♓37'28	2.62982 AU
conjunction	-8854 May 25 j 05:26	26°♓37'07	0°41'28
minimum elong	-8854 May 25 j 04:03	26°♓34'49	0°41'22
	-8854 May 30 j 07:59	0°♈	
morning rise	-8854 Jul 11 j 09:55	28°♈27'33	
	-8854 Jul 13 j 15:30	0°♉	
	-8854 Aug 25 j 05:14	0°♊	
	-8854 Oct 05 j 08:18	0°♋	
	-8854 Nov 14 j 13:11	0°♌	
	-8854 Dec 24 j 14:32	0°♍	
	-8853 Feb 03 j 17:12	0°♎	
desc. node	-8853 Feb 13 j 23:01	7°♎12'08	
	-8853 Mar 20 j 07:57	0°♏	
	-8853 May 20 j 01:22	0°♐	
retrograde	-8853 Jun 14 j 01:20	4°♐00'32	
	-8853 Jul 07 j 21:33	30°℞♏	
min. Earth dist.	-8853 Jul 15 j 15:41	27°♏16'41	0.54231 AU
greatest brilliancy	-8853 Jul 21 j 09:49	25°♏05'23	-1.9m
opposition	-8853 Jul 22 j 17:11	24°♏35'28	-5°38'23
direct	-8853 Aug 27 j 01:46	16°♏44'16	
	-8853 Oct 18 j 07:51	0°♐	
	-8853 Dec 16 j 10:39	0°♑	
asc. node	-8852 Jan 27 j 00:19	24°♑05'20	
	-8852 Feb 05 j 21:07	0°♒	
	-8852 Mar 25 j 12:06	0°♓	
	-8852 May 10 j 19:59	0°♈	
evening set	-8852 May 17 j 02:57	4°♈11'28	
max. Earth dist.	-8852 Jun 04 j 10:24	16°♈34'10	2.54396 AU
	-8852 Jun 23 j 20:48	0°♉	
conjunction	-8852 Jul 06 j 03:53	8°♉39'31	1°10'50
minimum elong	-8852 Jul 06 j 03:03	8°♉38'03	1°11'07
	-8852 Aug 04 j 18:08	0°♊	
morning rise	-8852 Aug 27 j 07:20	16°♊42'31	
	-8852 Sep 13 j 22:25	0°♋	
	-8852 Oct 23 j 00:59	0°♌	
	-8852 Nov 30 j 20:49	0°♍	
desc. node	-8852 Dec 31 j 20:03	23°♍37'39	
	-8851 Jan 09 j 07:39	0°♎	
	-8851 Feb 19 j 11:40	0°♏	
	-8851 Apr 05 j 01:28	0°♐	
	-8851 May 28 j 03:30	0°♑	
retrograde	-8851 Jul 22 j 07:15	15°♑23'48	
min. Earth dist.	-8851 Aug 27 j 18:06	6°♑51'25	0.63383 AU
opposition	-8851 Aug 31 j 06:01	5°♑27'19	-3°46'17
greatest brilliancy	-8851 Aug 30 j 20:05	5°♑37'16	-1.5m
	-8851 Sep 15 j 03:49	30°℞♐	
direct	-8851 Oct 08 j 17:04	26°♐21'00	
	-8851 Nov 03 j 09:01	0°♑	
asc. node	-8851 Dec 14 j 04:09	15°♑30'24	
	-8850 Jan 11 j 22:08	0°♒	
	-8850 Mar 05 j 04:05	0°♓	
	-8850 Apr 21 j 16:10	0°♈	
	-8850 Jun 04 j 22:37	0°♉	
evening set	-8850 Jul 03 j 06:13	20°♉12'17	
	-8850 Jul 16 j 14:53	0°♊	
max. Earth dist.	-8850 Jul 22 j 22:07	4°♊40'24	2.42490 AU
	-8850 Aug 25 j 09:03	0°♋	
conjunction	-8850 Aug 28 j 13:35	2°♋27'11	0°54'45
minimum elong	-8850 Aug 28 j 16:21	2°♋32'29	0°55'18
	-8850 Oct 02 j 24:00	0°♌	
morning rise	-8850 Oct 29 j 22:56	21°♌06'07	
	-8850 Nov 10 j 08:32	0°♍	
desc. node	-8850 Nov 18 j 13:56	6°♍23'37	
	-8850 Dec 19 j 07:42	0°♎	
	-8849 Jan 28 j 17:49	0°♏	
	-8849 Mar 12 j 11:40	0°♐	
	-8849 Apr 27 j 17:07	0°♑	
	-8849 Jun 19 j 23:03	0°♒	
retrograde	-8849 Aug 26 j 11:45	20°♒27'15	
opposition	-8849 Oct 05 j 06:22	10°♒47'59	-1°02'39
greatest brilliancy	-8849 Oct 05 j 06:56	10°♒47'24	-1.4m

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

min. Earth dist.	-8849 Oct 05 j 12:27	10°♒41'53	0.66692 AU
asc. node	-8849 Nov 01 j 09:26	2°♒08'58	
direct	-8849 Nov 14 j 15:34	1°♒00'36	
	-8848 Feb 08 j 07:03	0°♓	
	-8848 Mar 30 j 15:40	0°♈	
	-8848 May 15 j 02:04	0°♉	
	-8848 Jun 26 j 01:30	0°♊	
	-8848 Aug 04 j 19:01	0°♋	
evening set	-8848 Aug 30 j 14:04	20°♋02'27	
	-8848 Sep 12 j 06:57	0°♌	
desc. node	-8848 Oct 05 j 08:12	18°♌06'23	
	-8848 Oct 20 j 12:43	0°♍	
conjunction	-8848 Nov 02 j 01:44	9°♍45'38	-0°20'46
minimum elong	-8848 Nov 01 j 23:52	9°♍42'01	0°20'29
	-8848 Nov 28 j 10:06	0°♎	
max. Earth dist.	-8848 Dec 15 j 20:17	13°♎07'36	2.41332 AU
morning rise	-8847 Jan 05 j 17:37	28°♎32'21	
	-8847 Jan 07 j 17:46	0°♏	
	-8847 Feb 19 j 02:24	0°♐	
	-8847 Apr 04 j 22:37	0°♑	
	-8847 May 22 j 21:24	0°♒	
	-8847 Jul 15 j 10:35	0°♓	
asc. node	-8847 Sep 18 j 12:33	23°♓49'52	
retrograde	-8847 Sep 30 j 18:38	24°♓43'43	
opposition	-8847 Nov 08 j 07:27	15°♓47'07	1°59'33
greatest brilliancy	-8847 Nov 08 j 12:59	15°♓41'41	-1.5m
min. Earth dist.	-8847 Nov 12 j 06:38	14°♓13'48	0.63860 AU
direct	-8847 Dec 19 j 07:59	5°♓47'36	
	-8846 Mar 03 j 12:56	0°♈	
	-8846 Apr 22 j 14:27	0°♉	
	-8846 Jun 05 j 00:24	0°♊	
	-8846 Jul 15 j 07:39	0°♋	
desc. node	-8846 Aug 23 j 06:15	0°♌06'46	
	-8846 Aug 23 j 02:47	0°♌	
	-8846 Sep 30 j 14:23	0°♍	
evening set	-8846 Nov 04 j 22:01	27°♍06'26	
	-8846 Nov 08 j 17:52	0°♎	
	-8846 Dec 19 j 07:36	0°♏	
conjunction	-8845 Jan 03 j 13:00	10°♏54'54	-1°10'23
minimum elong	-8845 Jan 03 j 11:52	10°♏52'53	1°10'42
	-8845 Jan 30 j 19:37	0°♐	
max. Earth dist.	-8845 Feb 08 j 04:46	5°♐44'51	2.53732 AU
morning rise	-8845 Feb 28 j 14:36	19°♐31'40	
	-8845 Mar 16 j 09:49	0°♑	
	-8845 May 02 j 00:33	0°♒	
	-8845 Jun 19 j 17:35	0°♓	
asc. node	-8845 Aug 06 j 11:07	27°♓31'53	
	-8845 Aug 11 j 00:15	0°♈	
	-8845 Oct 19 j 17:35	0°♉	
retrograde	-8845 Nov 12 j 20:15	3°♉14'08	
	-8845 Dec 05 j 09:36	30°℞♈	
opposition	-8845 Dec 18 j 21:59	25°♈29'46	5°00'43
greatest brilliancy	-8845 Dec 20 j 02:22	25°♈03'41	-1.8m
min. Earth dist.	-8845 Dec 26 j 06:23	22°♈47'54	0.55121 AU
direct	-8844 Jan 27 j 15:39	16°♈08'26	
	-8844 Mar 18 j 12:12	0°♉	
	-8844 May 09 j 05:00	0°♊	
	-8844 Jun 21 j 01:09	0°♋	
desc. node	-8844 Jul 10 j 08:06	14°♋17'44	
	-8844 Jul 31 j 03:26	0°♌	
	-8844 Sep 08 j 13:10	0°♍	
	-8844 Oct 18 j 11:32	0°♎	
	-8844 Nov 28 j 17:49	0°♏	
evening set	-8844 Dec 29 j 18:59	21°♏46'08	
	-8843 Jan 10 j 18:59	0°♐	
conjunction	-8843 Feb 20 j 10:15	27°♐13'06	-1°00'33
minimum elong	-8843 Feb 20 j 11:51	27°♐15'43	1°01'06
	-8843 Feb 24 j 15:45	0°♑	
max. Earth dist.	-8843 Mar 09 j 17:15	8°♑32'15	2.62727 AU
morning rise	-8843 Apr 11 j 04:23	29°♑28'36	
	-8843 Apr 12 j 00:01	0°♒	
	-8843 May 29 j 07:12	0°♓	
asc. node	-8843 Jun 23 j 05:29	15°♓38'40	
	-8843 Jul 16 j 06:42	0°♈	
	-8843 Sep 03 j 11:43	0°♉	
	-8843 Oct 26 j 20:55	0°♊	
retrograde	-8842 Jan 10 j 07:56	24°♊23'14	
opposition	-8842 Feb 11 j 12:58	18°♊32'34	6°05'34
greatest brilliancy	-8842 Feb 13 j 04:18	18°♊02'26	-2.5m
min. Earth dist.	-8842 Feb 18 j 20:22	16°♊19'13	0.42854 AU
direct	-8842 Mar 18 j 05:58	11°♊38'11	
	-8842 May 15 j 05:49	0°♋	
desc. node	-8842 May 28 j 11:30	7°♋30'09	
	-8842 Jul 02 j 15:20	0°♌	
	-8842 Aug 14 j 17:25	0°♍	
	-8842 Sep 26 j 00:40	0°♎	
	-8842 Nov 08 j 00:08	0°♏	
	-8842 Dec 22 j 07:00	0°♐	
	-8841 Feb 05 j 22:47	0°♑	
evening set	-8841 Feb 12 j 15:17	4°♑19'51	
	-8841 Mar 24 j 14:01	0°♒	
conjunction	-8841 Apr 02 j 09:45	5°♒38'31	-0°21'52
minimum elong	-8841 Apr 02 j 10:36	5°♒39'52	0°22'22
max. Earth dist.	-8841 Apr 03 j 14:40	6°♒24'43	2.66571 AU
asc. node	-8841 May 10 j 22:25	0°♓16'37	
	-8841 May 10 j 12:02	0°♓	
morning rise	-8841 May 19 j 03:49	5°♓33'02	
	-8841 Jun 26 j 01:15	0°♈	
	-8841 Aug 10 j 21:57	0°♉	
	-8841 Sep 25 j 04:54	0°♊	
	-8841 Nov 09 j 12:30	0°♋	
	-8841 Dec 26 j 10:32	0°♌	
	-8840 Feb 21 j 07:32	0°♍	
retrograde	-8840 Mar 28 j 08:41	7°♍43'40	
desc. node	-8840 Apr 14 j 16:51	5°♍47'19	
min. Earth dist.	-8840 Apr 25 j 06:10	3°♍08'17	0.38740 AU
opposition	-8840 Apr 29 j 05:57	2°♍01'44	-1°08'20
greatest brilliancy	-8840 Apr 29 j 00:45	2°♍05'20	-2.9m
	-8840 May 06 j 19:26	30°℞♌	
direct	-8840 May 29 j 09:54	26°♌51'59	
	-8840 Jun 21 j 02:18	0°♍	
	-8840 Aug 25 j 03:30	0°♎	
	-8840 Oct 13 j 12:50	0°♏	
	-8840 Nov 30 j 01:22	0°♐	
	-8839 Jan 16 j 12:19	0°♑	
	-8839 Mar 05 j 01:24	0°♒	
evening set	-8839 Mar 23 j 09:51	11°♒37'41	
asc. node	-8839 Mar 27 j 16:30	14°♒20'46	
	-8839 Apr 21 j 04:24	0°♓	
max. Earth dist.	-8839 Apr 27 j 03:20	3°♓49'54	2.65035 AU
conjunction	-8839 May 09 j 22:57	12°♓07'22	0°24'40
minimum elong	-8839 May 09 j 22:02	12°♓05'54	0°24'25
	-8839 Jun 06 j 05:59	0°♈	
morning rise	-8839 Jun 25 j 10:04	12°♈46'01	
	-8839 Jul 20 j 20:14	0°♉	
	-8839 Sep 01 j 21:38	0°♊	
	-8839 Oct 13 j 16:36	0°♋	
	-8839 Nov 23 j 16:57	0°♌	
	-8838 Jan 03 j 19:14	0°♍	
	-8838 Feb 15 j 16:33	0°♎	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

desc. node	-8838 Mar 02 j 18:59	9°♎50'48	
	-8838 Apr 06 j 23:24	0°♏	
retrograde	-8838 May 27 j 02:49	14°♏23'57	
min. Earth dist.	-8838 Jun 25 j 13:43	8°♏32'02	0.49389 AU
greatest brilliancy	-8838 Jul 02 j 00:10	6°♏12'46	-2.2m
opposition	-8838 Jul 03 j 13:33	5°♏38'52	-5°44'06
	-8838 Jul 22 j 11:28	30°℞♎	
direct	-8838 Aug 06 j 08:00	28°♎30'26	
	-8838 Aug 21 j 23:09	0°♏	
	-8838 Nov 03 j 02:42	0°♐	
	-8838 Dec 25 j 21:55	0°♑	
asc. node	-8837 Feb 12 j 14:32	29°♑21'15	
	-8837 Feb 13 j 15:46	0°♒	
	-8837 Apr 02 j 15:42	0°♓	
evening set	-8837 May 01 j 21:58	18°♓52'08	
	-8837 May 18 j 19:21	0°♈	
max. Earth dist.	-8837 May 24 j 00:37	3°♈28'39	2.58289 AU
conjunction	-8837 Jun 19 j 15:33	21°♈31'04	1°02'52
minimum elong	-8837 Jun 19 j 14:05	21°♈28'32	1°03'00
	-8837 Jul 01 j 21:48	0°♉	
morning rise	-8837 Aug 08 j 04:39	26°♉29'58	
	-8837 Aug 13 j 00:19	0°♊	
	-8837 Sep 22 j 11:54	0°♋	
	-8837 Oct 31 j 22:39	0°♌	
	-8837 Dec 10 j 02:51	0°♍	
desc. node	-8836 Jan 18 j 15:25	29°♍44'57	
	-8836 Jan 18 j 23:33	0°♎	
	-8836 Feb 29 j 20:35	0°♏	
	-8836 Apr 16 j 10:07	0°♐	
	-8836 Jun 28 j 07:51	0°♑	
retrograde	-8836 Jul 07 j 21:09	0°♑36'12	
	-8836 Jul 17 j 04:09	30°℞♐	
min. Earth dist.	-8836 Aug 11 j 13:48	22°♐41'37	0.60422 AU
opposition	-8836 Aug 16 j 12:42	20°♐43'46	-4°39'50
greatest brilliancy	-8836 Aug 15 j 18:58	21°♐01'22	-1.6m
direct	-8836 Sep 22 j 21:55	12°♐02'06	
	-8836 Nov 25 j 12:10	0°♑	
asc. node	-8836 Dec 30 j 17:22	17°♑45'42	
	-8835 Jan 21 j 17:53	0°♒	
	-8835 Mar 13 j 02:05	0°♓	
	-8835 Apr 29 j 00:06	0°♈	
	-8835 Jun 12 j 03:14	0°♉	
evening set	-8835 Jun 13 j 18:33	1°♉08'53	
max. Earth dist.	-8835 Jun 29 j 08:06	12°♉10'47	2.47259 AU
	-8835 Jul 23 j 20:39	0°♊	
conjunction	-8835 Aug 06 j 02:21	9°♊49'40	1°08'47
minimum elong	-8835 Aug 06 j 03:44	9°♊52'13	1°09'17
	-8835 Sep 01 j 17:53	0°♋	
morning rise	-8835 Oct 03 j 03:47	24°♋16'14	
	-8835 Oct 10 j 12:19	0°♌	
	-8835 Nov 17 j 23:55	0°♍	
desc. node	-8835 Dec 05 j 09:32	13°♍27'13	
	-8835 Dec 27 j 01:53	0°♎	
	-8834 Feb 05 j 16:00	0°♏	
	-8834 Mar 20 j 19:31	0°♐	
	-8834 May 07 j 08:33	0°♑	
	-8834 Jul 07 j 03:49	0°♒	
retrograde	-8834 Aug 12 j 23:11	7°♒20'51	
	-8834 Sep 15 j 17:23	30°℞♑	
opposition	-8834 Sep 21 j 22:29	27°♑31'28	-2°09'10
min. Earth dist.	-8834 Sep 20 j 17:39	28°♑00'29	0.66123 AU
greatest brilliancy	-8834 Sep 21 j 20:53	27°♑33'04	-1.4m
direct	-8834 Oct 31 j 16:50	17°♑56'53	
asc. node	-8834 Nov 17 j 22:52	19°♑40'18	
	-8834 Dec 21 j 01:03	0°♒	

	-8833 Feb 18 j 15:27	0°♓	
	-8833 Apr 08 j 22:08	0°♈	
	-8833 May 23 j 18:17	0°♉	
	-8833 Jul 04 j 13:40	0°♊	
evening set	-8833 Aug 06 j 19:42	25°♊02'26	
	-8833 Aug 13 j 06:42	0°♋	
	-8833 Sep 20 j 19:03	0°♌	
conjunction	-8833 Oct 07 j 06:36	12°♌56'41	0°12'05
minimum elong	-8833 Oct 07 j 07:46	12°♌58'57	0°12'32
behind sun begin	-8833 Oct 06 j 13:59	12°♌24'04	
behind sun end	-8833 Oct 08 j 01:32	13°♌33'50	
max. Earth dist.	-8833 Oct 17 j 16:21	21°♌06'40	2.38087 AU
desc. node	-8833 Oct 23 j 03:51	25°♌24'15	
	-8833 Oct 29 j 00:54	0°♍	
	-8833 Dec 06 j 21:43	0°♎	
morning rise	-8833 Dec 12 j 06:05	4°♎03'23	
	-8832 Jan 16 j 04:42	0°♏	
	-8832 Feb 27 j 14:17	0°♐	
	-8832 Apr 12 j 17:51	0°♑	
	-8832 May 31 j 20:19	0°♒	
	-8832 Jul 30 j 01:27	0°♓	
retrograde	-8832 Sep 16 j 05:53	11°♓22'53	
asc. node	-8832 Oct 05 j 03:15	9°♓02'57	
opposition	-8832 Oct 25 j 09:28	2°♓06'45	0°47'35
greatest brilliancy	-8832 Oct 25 j 10:46	2°♓05'28	-1.4m
min. Earth dist.	-8832 Oct 27 j 22:08	1°♓06'32	0.65698 AU
	-8832 Oct 30 j 17:44	30°℞♒	
direct	-8832 Dec 05 j 08:12	22°♒07'53	
	-8831 Jan 13 j 05:39	0°♓	
	-8831 Mar 15 j 05:18	0°♈	
	-8831 May 01 j 15:17	0°♉	
	-8831 Jun 13 j 06:43	0°♊	
	-8831 Jul 23 j 06:32	0°♋	
	-8831 Aug 30 j 21:34	0°♌	
desc. node	-8831 Sep 08 j 23:39	7°♌07'14	
	-8831 Oct 08 j 05:40	0°♍	
evening set	-8831 Oct 10 j 13:12	1°♍48'04	
	-8831 Nov 16 j 05:31	0°♎	
conjunction	-8831 Dec 11 j 21:45	19°♎12'33	-0°59'21
minimum elong	-8831 Dec 11 j 18:59	19°♎07'28	0°59'25
	-8831 Dec 26 j 15:33	0°♏	
max. Earth dist.	-8830 Jan 23 j 12:30	19°♏54'07	2.49031 AU
	-8830 Feb 07 j 00:34	0°♐	
morning rise	-8830 Feb 09 j 10:19	1°♐39'31	
	-8830 Mar 23 j 14:45	0°♑	
	-8830 May 09 j 12:56	0°♒	
	-8830 Jun 28 j 09:22	0°♓	
asc. node	-8830 Aug 23 j 03:25	29°♓33'20	
	-8830 Aug 24 j 02:31	0°♈	
retrograde	-8830 Oct 25 j 18:40	17°♈30'04	
opposition	-8830 Dec 01 j 23:56	9°♈12'51	3°53'05
greatest brilliancy	-8830 Dec 02 j 17:48	8°♈55'52	-1.7m
min. Earth dist.	-8830 Dec 08 j 03:21	6°♈52'50	0.59195 AU
	-8829 Jan 02 j 12:45	30°℞♓	
direct	-8829 Jan 11 j 13:15	29°♓27'22	
	-8829 Jan 20 j 18:17	0°♈	
	-8829 Apr 04 j 19:20	0°♉	
	-8829 May 21 j 02:47	0°♊	
	-8829 Jul 01 j 11:45	0°♋	
desc. node	-8829 Jul 28 j 00:02	20°♋06'40	
	-8829 Aug 09 j 20:52	0°♌	
	-8829 Sep 17 j 18:38	0°♍	
	-8829 Oct 27 j 07:05	0°♎	
	-8829 Dec 07 j 04:53	0°♏	
evening set	-8829 Dec 10 j 17:06	2°♏30'52	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8828 Jan 18 j 23:09	0°♐		
conjunction	-8828 Feb 03 j 18:06	10°♐44'34	-1°09'23	
minimum elong	-8828 Feb 03 j 19:10	10°♐46'22	1°09'53	
max. Earth dist.	-8828 Feb 27 j 22:33	26°♐53'25	2.59794 AU	
	-8828 Mar 03 j 15:44	0°♑		
morning rise	-8828 Mar 26 j 12:24	14°♑54'45		
	-8828 Apr 19 j 00:18	0°♒		
	-8828 Jun 05 j 16:13	0°♓		
asc. node	-8828 Jul 09 j 23:07	21°♓05'00		
	-8828 Jul 24 j 17:50	0°♈		
	-8828 Sep 14 j 23:44	0°♉		
	-8828 Nov 25 j 12:52	0°♊		
retrograde	-8828 Dec 15 j 08:40	2°♊14'27		
	-8827 Jan 03 j 03:39	30°℞♉		
opposition	-8827 Jan 18 j 03:27	25°♉34'58	6°14'10	
greatest brilliancy	-8827 Jan 19 j 21:38	24°♉59'24	-2.2m	
min. Earth dist.	-8827 Jan 26 j 09:15	22°♉49'06	0.47685 AU	
direct	-8827 Feb 24 j 10:02	17°♉26'23		
	-8827 Apr 12 j 06:03	0°♊		
	-8827 Jun 02 j 08:51	0°♋		
desc. node	-8827 Jun 14 j 04:31	8°♋01'42		
	-8827 Jul 15 j 03:02	0°♌		
	-8827 Aug 25 j 00:25	0°♍		
	-8827 Oct 05 j 00:10	0°♎		
	-8827 Nov 16 j 02:04	0°♏		
	-8827 Dec 29 j 17:51	0°♐		
evening set	-8826 Jan 27 j 03:30	18°♐56'18		
	-8826 Feb 13 j 00:04	0°♑		
conjunction	-8826 Mar 18 j 02:02	21°♑25'16	-0°38'39	
minimum elong	-8826 Mar 18 j 03:25	21°♑27'29	0°39'12	
max. Earth dist.	-8826 Mar 25 j 06:29	26°♑02'08	2.65706 AU	
	-8826 Mar 31 j 10:56	0°♒		
morning rise	-8826 May 04 j 16:16	21°♒51'36		
	-8826 May 17 j 10:34	0°♓		
asc. node	-8826 May 27 j 15:42	6°♓30'51		
	-8826 Jul 03 j 09:27	0°♈		
	-8826 Aug 19 j 03:44	0°♉		
	-8826 Oct 05 j 05:04	0°♊		
	-8826 Nov 23 j 05:14	0°♋		
	-8825 Jan 21 j 22:30	0°♌		
retrograde	-8825 Feb 26 j 22:45	7°♌18'24		
opposition	-8825 Mar 29 j 15:59	2°♌11'19	2°38'07	
greatest brilliancy	-8825 Mar 29 j 22:38	2°♌06'50	-2.9m	
min. Earth dist.	-8825 Mar 30 j 23:41	1°♌49'59	0.38231 AU	
	-8825 Apr 07 j 01:10	30°℞♋		
direct	-8825 Apr 29 j 12:35	26°♋57'45		
desc. node	-8825 May 02 j 09:10	27°♋01'01		
	-8825 May 21 j 10:03	0°♌		
	-8825 Jul 23 j 16:46	0°♍		
	-8825 Sep 09 j 01:55	0°♎		
	-8825 Oct 24 j 15:08	0°♏		
	-8825 Dec 09 j 09:59	0°♐		
	-8824 Jan 24 j 23:07	0°♑		
evening set	-8824 Mar 08 j 05:58	27°♑34'56		
	-8824 Mar 12 j 01:11	0°♒		
asc. node	-8824 Apr 13 j 08:56	20°♒36'14		
max. Earth dist.	-8824 Apr 17 j 13:25	23°♒17'00	2.66273 AU	
conjunction	-8824 Apr 25 j 00:03	28°♒03'19	0°06'46	
minimum elong	-8824 Apr 24 j 23:48	28°♒02'56	0°06'23	
behind sun begin	-8824 Apr 24 j 05:43	27°♒33'56		
behind sun end	-8824 Apr 25 j 17:53	28°♒31'56		
	-8824 Apr 28 j 00:43	0°♓		
morning rise	-8824 Jun 10 j 06:03	28°♓02'52		
	-8824 Jun 13 j 05:21	0°♈		
	-8824 Jul 28 j 04:43	0°♉		
	-8824 Sep 09 j 21:42	0°♊		
	-8824 Oct 22 j 14:43	0°♋		
	-8824 Dec 03 j 21:10	0°♌		
	-8823 Jan 15 j 21:47	0°♍		
	-8823 Mar 04 j 09:00	0°♎		
desc. node	-8823 Mar 19 j 11:35	7°♎58'30		
retrograde	-8823 May 06 j 16:21	21°♎33'37		
min. Earth dist.	-8823 Jun 03 j 08:36	16°♎29'46	0.44472 AU	
greatest brilliancy	-8823 Jun 09 j 20:40	14°♎20'08	-2.5m	
opposition	-8823 Jun 11 j 07:33	13°♎50'58	-5°01'02	
direct	-8823 Jul 13 j 10:23	7°♎32'03		
	-8823 Sep 21 j 19:49	0°♏		
	-8823 Nov 14 j 14:58	0°♐		
	-8822 Jan 03 j 11:22	0°♑		
	-8822 Feb 21 j 02:33	0°♒		
asc. node	-8822 Mar 01 j 06:03	5°♒05'10		
	-8822 Apr 09 j 15:54	0°♓		
evening set	-8822 Apr 16 j 07:46	4°♓16'13		
max. Earth dist.	-8822 May 13 j 01:30	21°♓38'08	2.61518 AU	
	-8822 May 25 j 17:36	0°♈		
conjunction	-8822 Jun 03 j 06:29	5°♈41'26	0°50'15	
minimum elong	-8822 Jun 03 j 04:56	5°♈38'51	0°50'13	
	-8822 Jul 08 j 23:31	0°♉		
morning rise	-8822 Jul 21 j 02:10	8°♉26'28		
	-8822 Aug 20 j 09:25	0°♊		
	-8822 Sep 30 j 06:42	0°♋		
	-8822 Nov 09 j 04:25	0°♌		
	-8822 Dec 18 j 20:28	0°♍		
	-8821 Jan 28 j 08:44	0°♎		
desc. node	-8821 Feb 04 j 10:44	5°♎06'04		
	-8821 Mar 12 j 13:07	0°♏		
	-8821 May 02 j 23:58	0°♐		
retrograde	-8821 Jun 23 j 12:01	14°♐28'01		
min. Earth dist.	-8821 Jul 26 j 05:44	7°♐17'17	0.56636 AU	
greatest brilliancy	-8821 Jul 31 j 11:42	5°♐15'14	-1.8m	
opposition	-8821 Aug 01 j 14:16	4°♐49'25	-5°22'17	
	-8821 Aug 15 j 06:50	30°℞♏		
direct	-8821 Sep 06 j 17:34	26°♏38'11		
	-8821 Sep 30 j 23:00	0°♐		
	-8821 Dec 09 j 12:41	0°♑		
asc. node	-8820 Jan 17 j 07:19	21°♑41'33		
	-8820 Jan 31 j 11:20	0°♒		
	-8820 Mar 20 j 14:55	0°♓		
	-8820 May 06 j 03:39	0°♈		
evening set	-8820 May 26 j 20:36	13°♈53'26		
max. Earth dist.	-8820 Jun 12 j 15:04	25°♈24'15	2.51953 AU	
	-8820 Jun 19 j 05:28	0°♉		
conjunction	-8820 Jul 16 j 21:23	19°♉40'14	1°12'30	
minimum elong	-8820 Jul 16 j 21:13	19°♉39'56	1°12'53	
	-8820 Jul 31 j 01:40	0°♊		
morning rise	-8820 Sep 08 j 21:32	29°♊48'35		
	-8820 Sep 09 j 03:32	0°♋		
	-8820 Oct 18 j 03:11	0°♌		
	-8820 Nov 25 j 19:40	0°♍		
desc. node	-8820 Dec 22 j 05:29	20°♍15'51		
	-8819 Jan 04 j 02:22	0°♎		
	-8819 Feb 13 j 23:28	0°♏		
	-8819 Mar 29 j 19:47	0°♐		
	-8819 May 18 j 21:36	0°♑		
retrograde	-8819 Jul 30 j 07:50	23°♑50'57		
min. Earth dist.	-8819 Sep 05 j 15:29	15°♑00'03	0.64615 AU	
opposition	-8819 Sep 08 j 07:36	13°♑55'34	-3°12'06	
greatest brilliancy	-8819 Sep 08 j 01:19	14°♑01'54	-1.4m	
direct	-8819 Oct 17 j 06:45	4°♑37'55		

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

asc. node	-8819 Dec 04 j 12:20	15°♋49'56	
	-8818 Jan 04 j 14:19	0°♒	
	-8818 Feb 27 j 16:12	0°♓	
	-8818 Apr 16 j 17:41	0°♈	
	-8818 May 31 j 04:56	0°♉	
	-8818 Jul 11 j 22:27	0°♊	
evening set	-8818 Jul 15 j 03:57	2°♊23'28	
max. Earth dist.	-8818 Aug 10 j 17:32	22°♊23'07	2.40098 AU
	-8818 Aug 20 j 16:08	0°♋	
conjunction	-8818 Sep 11 j 09:03	16°♋48'47	0°41'49
minimum elong	-8818 Sep 11 j 11:56	16°♋54'25	0°42'20
	-8818 Sep 28 j 05:56	0°♌	
	-8818 Nov 05 j 12:58	0°♍	
desc. node	-8818 Nov 08 j 22:54	2°♍39'44	
morning rise	-8818 Nov 14 j 18:40	7°♍11'32	
	-8818 Dec 14 j 10:29	0°♎	
	-8817 Jan 23 j 18:29	0°♏	
	-8817 Mar 07 j 07:32	0°♐	
	-8817 Apr 22 j 00:03	0°♑	
	-8817 Jun 12 j 02:59	0°♒	
retrograde	-8817 Sep 03 j 08:18	28°♒20'51	
opposition	-8817 Oct 12 j 22:33	18°♒48'58	-0°22'45
greatest brilliancy	-8817 Oct 12 j 23:06	18°♒48'25	-1.4m
min. Earth dist.	-8817 Oct 14 j 00:11	18°♒23'19	0.66612 AU
asc. node	-8817 Oct 22 j 17:22	15°♒00'06	
direct	-8817 Nov 22 j 13:56	8°♒56'14	
	-8816 Jan 31 j 09:52	0°♓	
	-8816 Mar 24 j 22:43	0°♈	
	-8816 May 09 j 23:37	0°♉	
	-8816 Jun 21 j 04:34	0°♊	
	-8816 Jul 31 j 00:16	0°♋	
	-8816 Sep 07 j 13:04	0°♌	
evening set	-8816 Sep 14 j 04:41	5°♌13'21	
desc. node	-8816 Sep 25 j 19:21	14°♌20'37	
	-8816 Oct 15 j 18:59	0°♍	
conjunction	-8816 Nov 16 j 22:45	24°♍52'20	-0°37'24
minimum elong	-8816 Nov 16 j 19:50	24°♍46'45	0°37'15
	-8816 Nov 23 j 16:13	0°♎	
	-8815 Jan 02 j 23:34	0°♏	
max. Earth dist.	-8815 Jan 02 j 15:22	29°♎45'04	2.43986 AU
morning rise	-8815 Jan 19 j 01:14	11°♏34'55	
	-8815 Feb 14 j 06:52	0°♐	
	-8815 Mar 30 j 23:14	0°♑	
	-8815 May 17 j 09:52	0°♒	
	-8815 Jul 08 j 03:14	0°♓	
asc. node	-8815 Sep 08 j 19:08	27°♓59'40	
	-8815 Sep 16 j 03:22	0°♈	
retrograde	-8815 Oct 09 j 12:50	3°♈04'00	
	-8815 Oct 31 j 08:16	30°℞♓	
opposition	-8815 Nov 16 j 15:48	24°♓20'09	2°41'24
greatest brilliancy	-8815 Nov 17 j 01:04	24°♓11'09	-1.5m
min. Earth dist.	-8815 Nov 21 j 10:07	22°♓29'04	0.62451 AU
direct	-8815 Dec 27 j 14:34	14°♓23'08	
	-8814 Feb 22 j 03:16	0°♈	
	-8814 Apr 16 j 07:43	0°♉	
	-8814 May 30 j 12:36	0°♊	
	-8814 Jul 10 j 03:33	0°♋	
desc. node	-8814 Aug 13 j 18:06	26°♋36'17	
	-8814 Aug 18 j 03:02	0°♌	
	-8814 Sep 25 j 17:28	0°♍	
	-8814 Nov 03 j 23:05	0°♎	
evening set	-8814 Nov 18 j 10:16	10°♎49'13	
	-8814 Dec 14 j 14:33	0°♏	
conjunction	-8813 Jan 15 j 09:37	22°♏33'29	-1°12'14
minimum elong	-8813 Jan 15 j 09:27	22°♏33'11	1°12'39
	-8813 Jan 26 j 03:23	0°♐	
max. Earth dist.	-8813 Feb 15 j 22:04	14°♐09'09	2.56059 AU
morning rise	-8813 Mar 10 j 19:04	29°♐23'39	
	-8813 Mar 11 j 17:08	0°♑	
	-8813 Apr 27 j 04:01	0°♒	
	-8813 Jun 14 j 09:24	0°♓	
asc. node	-8813 Jul 27 j 16:04	25°♓43'26	
	-8813 Aug 04 j 03:41	0°♈	
	-8813 Oct 01 j 22:05	0°♉	
retrograde	-8813 Nov 24 j 03:43	13°♉21'23	
opposition	-8813 Dec 29 j 11:04	5°♉58'12	5°34'01
greatest brilliancy	-8813 Dec 30 j 21:30	5°♉27'18	-2.0m
min. Earth dist.	-8812 Jan 06 j 07:39	3°♉09'22	0.52584 AU
	-8812 Jan 16 j 05:32	30°℞♈	
direct	-8812 Feb 06 j 12:08	26°♈56'56	
	-8812 Feb 28 j 11:33	0°♉	
	-8812 May 01 j 04:53	0°♊	
	-8812 Jun 14 j 14:47	0°♋	
desc. node	-8812 Jun 30 j 19:55	11°♋45'38	
	-8812 Jul 25 j 08:51	0°♌	
	-8812 Sep 03 j 04:01	0°♍	
	-8812 Oct 13 j 09:10	0°♎	
	-8812 Nov 23 j 20:48	0°♏	
	-8811 Jan 06 j 01:41	0°♐	
evening set	-8811 Jan 09 j 11:23	2°♐18'40	
	-8811 Feb 20 j 00:42	0°♑	
conjunction	-8811 Mar 02 j 00:32	6°♑32'05	-0°53'26
minimum elong	-8811 Mar 02 j 02:11	6°♑34'46	0°53'58
max. Earth dist.	-8811 Mar 15 j 15:14	15°♑22'17	2.64005 AU
	-8811 Apr 07 j 08:48	0°♒	
morning rise	-8811 Apr 19 j 21:25	8°♒00'18	
	-8811 May 24 j 12:14	0°♓	
asc. node	-8811 Jun 13 j 10:24	12°♓35'53	
	-8811 Jul 11 j 01:05	0°♈	
	-8811 Aug 28 j 03:44	0°♉	
	-8811 Oct 17 j 08:00	0°♊	
	-8811 Dec 16 j 09:30	0°♋	
retrograde	-8810 Jan 26 j 18:34	8°♋58'01	
opposition	-8810 Feb 27 j 02:23	3°♋31'47	5°22'00
greatest brilliancy	-8810 Feb 28 j 09:04	3°♋09'44	-2.7m
min. Earth dist.	-8810 Mar 05 j 00:40	1°♋49'59	0.40629 AU
	-8810 Mar 11 j 22:42	30°℞♊	
direct	-8810 Apr 01 j 06:34	27°♊20'50	
	-8810 Apr 21 j 11:41	0°♋	
desc. node	-8810 May 19 j 00:45	10°♋24'57	
	-8810 Jun 23 j 00:07	0°♌	
	-8810 Aug 07 j 13:07	0°♍	
	-8810 Sep 19 j 23:22	0°♎	
	-8810 Nov 02 j 14:48	0°♏	
	-8810 Dec 17 j 07:27	0°♐	
	-8809 Feb 01 j 05:21	0°♑	
evening set	-8809 Feb 21 j 18:07	13°♑13'01	
	-8809 Mar 19 j 23:32	0°♒	
max. Earth dist.	-8809 Apr 09 j 01:49	12°♒50'03	2.66689 AU
conjunction	-8809 Apr 11 j 01:34	14°♒06'18	-0°11'32
minimum elong	-8809 Apr 11 j 02:01	14°♒07'02	0°11'59
behind sun begin	-8809 Apr 10 j 13:03	13°♒46'20	
behind sun end	-8809 Apr 11 j 14:59	14°♒27'44	
asc. node	-8809 May 01 j 03:16	26°♒56'41	
	-8809 May 05 j 21:35	0°♓	
morning rise	-8809 May 27 j 12:45	13°♓55'23	
	-8809 Jun 21 j 07:11	0°♈	
	-8809 Aug 05 j 19:04	0°♉	
	-8809 Sep 19 j 10:01	0°♊	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8809 Nov 02 j 13:13	0°♋	
	-8809 Dec 17 j 02:43	0°♌	
	-8808 Feb 03 j 00:07	0°♍	
desc. node	-8808 Apr 05 j 05:10	24°♍19'54	
retrograde	-8808 Apr 12 j 18:23	24°♍43'28	
min. Earth dist.	-8808 May 09 j 20:48	20°♍08'41	0.40277 AU
opposition	-8808 May 15 j 22:11	18°♍21'06	-2°58'27
greatest brilliancy	-8808 May 15 j 04:16	18°♍34'26	-2.8m
direct	-8808 Jun 15 j 15:55	12°♍51'46	
	-8808 Aug 13 j 06:11	0°♎	
	-8808 Oct 06 j 08:12	0°♏	
	-8808 Nov 24 j 08:12	0°♐	
	-8807 Jan 11 j 11:15	0°♑	
	-8807 Feb 28 j 08:05	0°♒	
asc. node	-8807 Mar 17 j 22:22	11°♒06'15	
evening set	-8807 Apr 01 j 01:44	20°♒04'38	
	-8807 Apr 16 j 14:23	0°♓	
max. Earth dist.	-8807 May 02 j 20:19	10°♓28'21	2.64003 AU
conjunction	-8807 May 18 j 15:47	20°♓46'25	0°34'35
minimum elong	-8807 May 18 j 14:34	20°♓44'26	0°34'24
	-8807 Jun 01 j 16:04	0°♈	
morning rise	-8807 Jul 04 j 10:50	22°♈00'22	
	-8807 Jul 16 j 03:10	0°♉	
	-8807 Aug 27 j 22:37	0°♊	
	-8807 Oct 08 j 08:40	0°♋	
	-8807 Nov 17 j 21:37	0°♌	
	-8807 Dec 28 j 08:07	0°♍	
	-8806 Feb 08 j 00:38	0°♎	
desc. node	-8806 Feb 21 j 04:28	9°♎01'48	
	-8806 Mar 26 j 03:45	0°♏	
retrograde	-8806 Jun 06 j 15:18	26°♏18'37	
min. Earth dist.	-8806 Jul 07 j 06:09	19°♏57'42	0.52127 AU
greatest brilliancy	-8806 Jul 13 j 08:47	17°♏41'14	-2.0m
opposition	-8806 Jul 14 j 19:20	17°♏08'55	-5°45'26
direct	-8806 Aug 18 j 12:09	9°♏35'37	
	-8806 Oct 25 j 02:38	0°♐	
	-8806 Dec 19 j 21:41	0°♑	
asc. node	-8805 Feb 02 j 21:55	26°♑35'05	
	-8805 Feb 08 j 13:13	0°♒	
	-8805 Mar 28 j 21:56	0°♓	
evening set	-8805 May 11 j 02:01	27°♓55'50	
	-8805 May 14 j 04:58	0°♈	
max. Earth dist.	-8805 May 31 j 00:31	11°♈15'44	2.56226 AU
	-8805 Jun 27 j 07:32	0°♉	
conjunction	-8805 Jun 29 j 10:52	1°♉29'34	1°08'06
minimum elong	-8805 Jun 29 j 09:41	1°♉27'29	1°08'20
	-8805 Aug 08 j 08:12	0°♊	
morning rise	-8805 Aug 19 j 07:20	8°♊02'57	
	-8805 Sep 17 j 16:13	0°♋	
	-8805 Oct 26 j 22:33	0°♌	
	-8805 Dec 04 j 21:34	0°♍	
desc. node	-8804 Jan 09 j 01:52	26°♍42'57	
	-8804 Jan 13 j 11:21	0°♎	
	-8804 Feb 23 j 20:14	0°♏	
	-8804 Apr 08 j 23:33	0°♐	
	-8804 Jun 04 j 09:52	0°♑	
retrograde	-8804 Jul 16 j 07:22	9°♑39'50	
min. Earth dist.	-8804 Aug 20 j 23:58	1°♑23'14	0.62175 AU
	-8804 Aug 24 j 11:18	30°℞♐	
opposition	-8804 Aug 25 j 03:11	29°♐44'06	-4°09'52
greatest brilliancy	-8804 Aug 24 j 14:04	29°♐57'13	-1.5m
direct	-8804 Oct 02 j 02:52	20°♐48'00	
	-8804 Nov 14 j 00:03	0°♑	
asc. node	-8804 Dec 21 j 01:14	16°♑32'38	
	-8803 Jan 15 j 11:59	0°♒	
	-8803 Mar 07 j 21:44	0°♓	
	-8803 Apr 24 j 04:52	0°♈	
	-8803 Jun 07 j 11:06	0°♉	
evening set	-8803 Jun 24 j 14:52	12°♉07'58	
max. Earth dist.	-8803 Jul 11 j 12:56	24°♉22'01	2.44606 AU
	-8803 Jul 19 j 05:06	0°♊	
conjunction	-8803 Aug 18 j 11:58	22°♊42'00	1°02'10
minimum elong	-8803 Aug 18 j 14:13	22°♊46'16	1°02'42
	-8803 Aug 28 j 01:22	0°♋	
	-8803 Oct 05 j 18:14	0°♌	
morning rise	-8803 Oct 17 j 23:53	9°♌33'56	
	-8803 Nov 13 j 03:55	0°♍	
desc. node	-8803 Nov 25 j 20:24	9°♍50'49	
	-8803 Dec 22 j 03:24	0°♎	
	-8802 Jan 31 j 13:51	0°♏	
	-8802 Mar 15 j 09:25	0°♐	
	-8802 Apr 30 j 23:44	0°♑	
	-8802 Jun 25 j 04:49	0°♒	
retrograde	-8802 Aug 20 j 18:49	15°♒21'37	
opposition	-8802 Sep 29 j 15:40	5°♒37'25	-1°30'46
min. Earth dist.	-8802 Sep 29 j 06:26	5°♒46'41	0.66557 AU
greatest brilliancy	-8802 Sep 29 j 15:37	5°♒37'27	-1.4m
	-8802 Oct 14 j 17:00	30°℞♑	
direct	-8802 Nov 08 j 18:28	25°♑55'05	
asc. node	-8802 Nov 08 j 06:16	25°♑55'11	
	-8802 Dec 06 j 03:28	0°♒	
	-8801 Feb 12 j 03:37	0°♓	
	-8801 Apr 03 j 14:37	0°♈	
	-8801 May 18 j 19:59	0°♉	
	-8801 Jun 29 j 18:51	0°♊	
	-8801 Aug 08 j 12:50	0°♋	
evening set	-8801 Aug 20 j 13:49	9°♋18'33	
	-8801 Sep 16 j 01:17	0°♌	
desc. node	-8801 Oct 13 j 14:01	21°♌37'18	
conjunction	-8801 Oct 22 j 09:31	28°♌31'18	-0°06'45
minimum elong	-8801 Oct 22 j 08:54	28°♌30'05	0°06'23
behind sun begin	-8801 Oct 21 j 07:13	27°♌39'53	
behind sun end	-8801 Oct 23 j 10:34	29°♌20'16	
	-8801 Oct 24 j 06:54	0°♍	
max. Earth dist.	-8801 Nov 27 j 11:58	26°♍27'54	2.39452 AU
	-8801 Dec 02 j 03:14	0°♎	
morning rise	-8801 Dec 26 j 23:29	18°♎40'08	
	-8800 Jan 11 j 09:29	0°♏	
	-8800 Feb 22 j 16:51	0°♐	
	-8800 Apr 07 j 14:06	0°♑	
	-8800 May 25 j 20:49	0°♒	
	-8800 Jul 20 j 00:54	0°♓	
retrograde	-8800 Sep 24 j 12:17	19°♓25'59	
asc. node	-8800 Sep 25 j 09:42	19°♓25'41	
opposition	-8800 Nov 02 j 08:03	10°♓20'14	1°29'11
greatest brilliancy	-8800 Nov 02 j 11:25	10°♓16'55	-1.4m
min. Earth dist.	-8800 Nov 05 j 16:00	9°♓01'21	0.64805 AU
direct	-8800 Dec 13 j 08:31	0°♓20'05	
	-8799 Mar 08 j 03:35	0°♈	
	-8799 Apr 25 j 23:55	0°♉	
	-8799 Jun 08 j 02:43	0°♊	
	-8799 Jul 18 j 07:12	0°♋	
	-8799 Aug 26 j 00:39	0°♌	
desc. node	-8799 Aug 30 j 11:05	3°♌27'59	
	-8799 Oct 03 j 10:16	0°♍	
evening set	-8799 Oct 25 j 01:56	16°♍44'33	
	-8799 Nov 11 j 11:08	0°♎	
	-8799 Dec 21 j 22:03	0°♏	
conjunction	-8799 Dec 25 j 00:54	2°♏15'28	-1°06'53

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

minimum elong	-8799 Dec 24 j 23:00	2°♏12'02	1°07'06
max. Earth dist.	-8798 Feb 01 j 20:52	29°♏41'59	2.51689 AU
	-8798 Feb 02 j 07:18	0°♐	
morning rise	-8798 Feb 20 j 14:46	12°♐30'44	
	-8798 Mar 18 j 20:03	0°♑	
	-8798 May 04 j 12:17	0°♒	
	-8798 Jun 22 j 14:22	0°♓	
asc. node	-8798 Aug 13 j 09:14	29°♓01'35	
	-8798 Aug 15 j 06:31	0°♈	
retrograde	-8798 Nov 04 j 20:46	26°♈44'35	
opposition	-8798 Dec 11 j 11:01	18°♈44'48	4°32'33
greatest brilliancy	-8798 Dec 12 j 10:41	18°♈22'40	-1.8m
min. Earth dist.	-8798 Dec 18 j 06:55	16°♈11'40	0.57039 AU
direct	-8797 Jan 20 j 14:43	9°♈10'44	
	-8797 Mar 26 j 18:41	0°♉	
	-8797 May 14 j 14:38	0°♊	
	-8797 Jun 25 j 18:09	0°♋	
desc. node	-8797 Jul 18 j 12:33	17°♋03'30	
	-8797 Aug 04 j 12:23	0°♌	
	-8797 Sep 12 j 16:07	0°♍	
	-8797 Oct 22 j 08:49	0°♎	
	-8797 Dec 02 j 10:01	0°♏	
evening set	-8797 Dec 22 j 08:50	14°♏08'00	
	-8796 Jan 14 j 06:38	0°♐	
conjunction	-8796 Feb 14 j 00:29	20°♐44'35	-1°04'51
minimum elong	-8796 Feb 14 j 01:57	20°♐47'00	1°05'23
	-8796 Feb 28 j 00:20	0°♑	
max. Earth dist.	-8796 Mar 05 j 08:31	4°♑09'44	2.61509 AU
morning rise	-8796 Apr 04 j 14:42	23°♑46'46	
	-8796 Apr 14 j 07:39	0°♒	
	-8796 May 31 j 17:49	0°♓	
asc. node	-8796 Jun 30 j 04:17	18°♓20'10	
	-8796 Jul 19 j 03:01	0°♈	
	-8796 Sep 07 j 09:19	0°♉	
	-8796 Nov 03 j 16:33	0°♊	
retrograde	-8796 Dec 29 j 12:22	14°♊45'00	
opposition	-8795 Jan 31 j 10:53	8°♊32'23	6°17'17
greatest brilliancy	-8795 Feb 02 j 05:15	7°♊58'22	-2.4m
min. Earth dist.	-8795 Feb 08 j 09:59	6°♊00'14	0.44941 AU
direct	-8795 Mar 08 j 08:45	1°♊03'04	
	-8795 May 23 j 18:28	0°♋	
desc. node	-8795 Jun 04 j 15:49	7°♋28'53	
	-8795 Jul 07 j 21:53	0°♌	
	-8795 Aug 18 j 20:19	0°♍	
	-8795 Sep 29 j 11:03	0°♎	
	-8795 Nov 10 j 23:09	0°♏	
	-8795 Dec 24 j 21:45	0°♐	
evening set	-8794 Feb 05 j 16:56	28°♐16'57	
	-8794 Feb 08 j 08:12	0°♑	
conjunction	-8794 Mar 26 j 22:41	0°♒03'05	-0°29'07
minimum elong	-8794 Mar 26 j 23:47	0°♒04'50	0°29'37
	-8794 Mar 26 j 20:45	0°♒	
max. Earth dist.	-8794 Mar 30 j 19:51	2°♒32'09	2.66289 AU
	-8794 May 12 j 19:21	0°♓	
morning rise	-8794 May 13 j 00:26	0°♓08'08	
asc. node	-8794 May 17 j 21:20	3°♓15'06	
	-8794 Jun 28 j 12:46	0°♈	
	-8794 Aug 13 j 18:25	0°♉	
	-8794 Sep 28 j 17:59	0°♊	
	-8794 Nov 14 j 08:07	0°♋	
	-8793 Jan 03 j 08:04	0°♌	
retrograde	-8793 Mar 16 j 11:07	24°♌48'47	
min. Earth dist.	-8793 Apr 14 j 20:21	19°♌58'21	0.38113 AU
opposition	-8793 Apr 16 j 14:27	19°♌30'00	0°30'02
greatest brilliancy	-8793 Apr 16 j 14:26	19°♌30'01	-3.0m
desc. node	-8793 Apr 22 j 20:50	17°♌51'07	
direct	-8793 May 16 j 17:50	14°♌26'08	
	-8793 Jul 10 j 04:40	0°♍	
	-8793 Sep 01 j 02:21	0°♎	
	-8793 Oct 18 j 10:14	0°♏	
	-8793 Dec 04 j 01:39	0°♐	
	-8792 Jan 20 j 01:48	0°♑	
	-8792 Mar 07 j 09:26	0°♒	
evening set	-8792 Mar 16 j 23:42	6°♒05'11	
asc. node	-8792 Apr 03 j 14:46	17°♒18'09	
max. Earth dist.	-8792 Apr 23 j 02:49	29°♒46'46	2.65698 AU
	-8792 Apr 23 j 11:03	0°♓	
conjunction	-8792 May 03 j 13:39	6°♓30'30	0°17'13
minimum elong	-8792 May 03 j 13:00	6°♓29'28	0°16'55
	-8792 Jun 08 j 14:30	0°♈	
morning rise	-8792 Jun 18 j 20:48	6°♈47'22	
	-8792 Jul 23 j 09:20	0°♉	
	-8792 Sep 04 j 18:04	0°♊	
	-8792 Oct 16 j 22:28	0°♋	
	-8792 Nov 27 j 10:46	0°♌	
	-8791 Jan 08 j 05:14	0°♍	
	-8791 Feb 21 j 10:12	0°♎	
desc. node	-8791 Mar 10 j 00:01	10°♎10'57	
	-8791 Apr 19 j 22:21	0°♏	
retrograde	-8791 May 18 j 16:16	5°♏21'10	
	-8791 Jun 15 j 20:29	30°℞♎	
min. Earth dist.	-8791 Jun 16 j 05:18	29°♎52'32	0.47148 AU
greatest brilliancy	-8791 Jun 22 j 19:30	27°♎34'39	-2.3m
opposition	-8791 Jun 24 j 09:24	27°♎01'27	-5°33'36
direct	-8791 Jul 27 j 10:11	20°♎14'41	
	-8791 Sep 08 j 10:37	0°♏	
	-8791 Nov 07 j 14:45	0°♐	
	-8791 Dec 28 j 22:55	0°♑	
	-8790 Feb 16 j 04:25	0°♒	
asc. node	-8790 Feb 19 j 12:07	2°♒03'14	
	-8790 Apr 05 j 00:09	0°♓	
evening set	-8790 Apr 25 j 05:04	12°♓59'11	
max. Earth dist.	-8790 May 19 j 09:10	28°♓49'20	2.59831 AU
	-8790 May 21 j 03:48	0°♈	
conjunction	-8790 Jun 12 j 12:30	15°♈00'29	0°57'58
minimum elong	-8790 Jun 12 j 10:57	14°♈57'49	0°58'02
	-8790 Jul 04 j 08:40	0°♉	
morning rise	-8790 Jul 31 j 04:21	18°♉53'00	
	-8790 Aug 15 j 15:19	0°♊	
	-8790 Sep 25 j 07:40	0°♋	
	-8790 Nov 03 j 23:20	0°♌	
	-8790 Dec 13 j 08:19	0°♍	
	-8789 Jan 22 j 10:10	0°♎	
desc. node	-8789 Jan 25 j 21:14	2°♎32'10	
	-8789 Mar 05 j 16:48	0°♏	
	-8789 Apr 22 j 14:06	0°♐	
retrograde	-8789 Jul 02 j 12:00	24°♐18'19	
min. Earth dist.	-8789 Aug 05 j 08:08	16°♐42'12	0.58818 AU
opposition	-8789 Aug 10 j 21:48	14°♐30'42	-4°59'43
greatest brilliancy	-8789 Aug 10 j 00:17	14°♐51'55	-1.7m
direct	-8789 Sep 16 j 17:44	6°♐01'49	
	-8789 Dec 01 j 16:33	0°♑	
asc. node	-8788 Jan 07 j 14:26	19°♑36'18	
	-8788 Jan 25 j 19:54	0°♒	
	-8788 Mar 15 j 15:57	0°♓	
	-8788 May 01 j 11:04	0°♈	
evening set	-8788 Jun 05 j 21:41	23°♈56'34	
	-8788 Jun 14 j 14:49	0°♉	
max. Earth dist.	-8788 Jun 21 j 16:22	4°♉57'34	2.49410 AU
	-8788 Jul 26 j 10:36	0°♊	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

conjunction	-8788 Jul 28 j 02:32	1°♊13'27	1°11'31
minimum elong	-8788 Jul 28 j 03:13	1°♊14'41	1°11'58
	-8788 Sep 04 j 10:31	0°♋	
morning rise	-8788 Sep 22 j 06:01	13°♋40'30	
	-8788 Oct 13 j 07:26	0°♌	
	-8788 Nov 20 j 20:56	0°♍	
desc. node	-8788 Dec 12 j 15:40	16°♍47'53	
	-8788 Dec 30 j 00:02	0°♎	
	-8787 Feb 08 j 15:34	0°♏	
	-8787 Mar 23 j 23:24	0°♐	
	-8787 May 11 j 05:58	0°♑	
	-8787 Jul 19 j 13:56	0°♒	
retrograde	-8787 Aug 07 j 05:53	2°♒06'12	
	-8787 Aug 24 j 19:40	30°℞♑	
min. Earth dist.	-8787 Sep 14 j 09:10	22°♑58'10	0.65561 AU
opposition	-8787 Sep 16 j 05:24	22°♑13'36	-2°36'02
greatest brilliancy	-8787 Sep 16 j 02:03	22°♑16'59	-1.4m
direct	-8787 Oct 25 j 15:11	12°♑46'01	
asc. node	-8787 Nov 24 j 19:46	17°♑38'45	
	-8787 Dec 27 j 00:09	0°♒	
	-8786 Feb 21 j 21:14	0°♓	
	-8786 Apr 11 j 16:06	0°♈	
	-8786 May 26 j 09:40	0°♉	
	-8786 Jul 07 j 05:33	0°♊	
evening set	-8786 Jul 27 j 17:13	15°♊18'19	
	-8786 Aug 15 j 23:40	0°♋	
max. Earth dist.	-8786 Sep 09 j 16:36	19°♋09'36	2.38408 AU
	-8786 Sep 23 j 12:56	0°♌	
conjunction	-8786 Sep 25 j 18:31	1°♌45'04	0°25'51
minimum elong	-8786 Sep 25 j 20:44	1°♌49'25	0°26'20
desc. node	-8786 Oct 30 j 10:00	28°♌55'20	
	-8786 Oct 31 j 19:06	0°♍	
morning rise	-8786 Nov 30 j 09:57	22°♍56'58	
	-8786 Dec 09 j 15:23	0°♎	
	-8785 Jan 18 j 21:28	0°♏	
	-8785 Mar 02 j 06:49	0°♐	
	-8785 Apr 16 j 13:13	0°♑	
	-8785 Jun 05 j 06:04	0°♒	
	-8785 Aug 08 j 01:06	0°♓	
retrograde	-8785 Sep 11 j 07:34	6°♓15'37	
	-8785 Oct 12 j 14:29	30°℞♒	
asc. node	-8785 Oct 13 j 00:37	29°♒50'35	
opposition	-8785 Oct 20 j 16:05	26°♒52'06	0°17'54
greatest brilliancy	-8785 Oct 20 j 16:28	26°♒51'43	-1.4m
min. Earth dist.	-8785 Oct 22 j 13:22	26°♒06'57	0.66221 AU
direct	-8785 Nov 30 j 11:45	16°♒55'16	
	-8784 Jan 21 j 17:54	0°♓	
	-8784 Mar 18 j 20:21	0°♈	
	-8784 May 04 j 16:26	0°♉	
	-8784 Jun 16 j 04:27	0°♊	
	-8784 Jul 26 j 03:11	0°♋	
	-8784 Sep 02 j 17:30	0°♌	
desc. node	-8784 Sep 16 j 05:17	10°♌34'52	
evening set	-8784 Sep 29 j 02:25	20°♌40'57	
	-8784 Oct 11 j 00:29	0°♍	
	-8784 Nov 18 j 22:24	0°♎	
conjunction	-8784 Dec 01 j 07:44	9°♎21'12	-0°51'09
minimum elong	-8784 Dec 01 j 04:36	9°♎15'20	0°51'09
	-8784 Dec 29 j 06:04	0°♏	
max. Earth dist.	-8783 Jan 15 j 07:03	12°♏16'29	2.46787 AU
morning rise	-8783 Jan 31 j 11:40	23°♏42'26	
	-8783 Feb 09 j 12:54	0°♐	
	-8783 Mar 26 j 02:17	0°♑	
	-8783 May 12 j 03:44	0°♒	
	-8783 Jul 01 j 14:48	0°♓	
asc. node	-8783 Aug 30 j 01:42	29°♓49'40	
	-8783 Aug 30 j 11:51	0°♈	
retrograde	-8783 Oct 18 j 15:49	11°♈37'48	
opposition	-8783 Nov 25 j 06:56	3°♈08'03	3°22'46
greatest brilliancy	-8783 Nov 25 j 20:48	2°♈54'44	-1.6m
min. Earth dist.	-8783 Nov 30 j 19:54	1°♈00'14	0.60763 AU
	-8783 Dec 03 j 11:52	30°℞♓	
direct	-8782 Jan 05 j 01:16	23°♓15'54	
	-8782 Feb 08 j 19:42	0°♈	
	-8782 Apr 09 j 10:27	0°♉	
	-8782 May 24 j 18:05	0°♊	
	-8782 Jul 04 j 19:06	0°♋	
desc. node	-8782 Aug 04 j 04:32	23°♋12'06	
	-8782 Aug 12 j 23:42	0°♌	
	-8782 Sep 20 j 17:44	0°♍	
	-8782 Oct 30 j 02:11	0°♎	
evening set	-8782 Dec 01 j 08:58	23°♎52'32	
	-8782 Dec 09 j 19:59	0°♏	
	-8781 Jan 21 j 10:37	0°♐	
conjunction	-8781 Jan 26 j 16:11	3°♐35'24	-1°11'25
minimum elong	-8781 Jan 26 j 16:48	3°♐36'27	1°11'53
max. Earth dist.	-8781 Feb 22 j 23:46	22°♐01'31	2.58227 AU
	-8781 Mar 07 j 00:39	0°♑	
morning rise	-8781 Mar 20 j 12:37	8°♑50'43	
	-8781 Apr 22 j 09:05	0°♒	
	-8781 Jun 09 j 05:33	0°♓	
asc. node	-8781 Jul 17 j 22:13	23°♓30'25	
	-8781 Jul 28 j 21:32	0°♈	
	-8781 Sep 21 j 03:23	0°♉	
retrograde	-8781 Dec 06 j 07:12	24°♉09'13	
opposition	-8780 Jan 09 j 19:02	17°♉09'05	6°00'13
greatest brilliancy	-8780 Jan 11 j 10:29	16°♉34'43	-2.1m
min. Earth dist.	-8780 Jan 17 j 22:59	14°♉19'10	0.49922 AU
direct	-8780 Feb 16 j 22:16	8°♉33'58	
	-8780 Apr 21 j 07:16	0°♊	
	-8780 Jun 07 j 12:58	0°♋	
desc. node	-8780 Jun 21 j 08:54	9°♋43'43	
	-8780 Jul 19 j 05:58	0°♌	
	-8780 Aug 28 j 13:46	0°♍	
	-8780 Oct 08 j 03:29	0°♎	
	-8780 Nov 18 j 21:20	0°♏	
	-8779 Jan 01 j 06:51	0°♐	
evening set	-8779 Jan 19 j 18:07	12°♐25'07	
	-8779 Feb 15 j 08:42	0°♑	
conjunction	-8779 Mar 11 j 08:18	15°♑35'48	-0°45'10
minimum elong	-8779 Mar 11 j 09:51	15°♑38'18	0°45'43
max. Earth dist.	-8779 Mar 21 j 10:12	22°♑05'43	2.65058 AU
	-8779 Apr 02 j 17:36	0°♒	
morning rise	-8779 Apr 28 j 10:35	16°♒25'19	
	-8779 May 19 j 18:36	0°♓	
asc. node	-8779 Jun 03 j 15:21	9°♓27'08	
	-8779 Jul 05 j 23:04	0°♈	
	-8779 Aug 22 j 06:06	0°♉	
	-8779 Oct 09 j 10:22	0°♊	
	-8779 Nov 30 j 09:13	0°♋	
retrograde	-8778 Feb 13 j 04:09	24°♋52'26	
opposition	-8778 Mar 15 j 22:18	19°♋42'16	4°02'35
greatest brilliancy	-8778 Mar 16 j 15:33	19°♋30'25	-2.8m
min. Earth dist.	-8778 Mar 19 j 13:33	18°♋42'24	0.38983 AU
direct	-8778 Apr 16 j 17:15	14°♋08'11	
desc. node	-8778 May 09 j 13:48	17°♋29'00	
	-8778 Jun 09 j 11:05	0°♌	
	-8778 Jul 30 j 06:13	0°♍	
	-8778 Sep 13 j 11:06	0°♎	
	-8778 Oct 28 j 00:05	0°♏	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8778 Dec 12 j 05:20	0°♐	
	-8777 Jan 27 j 10:26	0°♑	
evening set	-8777 Mar 02 j 17:09	21°♑56'29	
	-8777 Mar 15 j 08:25	0°♒	
max. Earth dist.	-8777 Apr 14 j 14:17	19°♒17'46	2.66567 AU
conjunction	-8777 Apr 19 j 16:00	22°♒32'22	-0°00'59
minimum elong	-8777 Apr 19 j 16:04	22°♒32'29	0°01'23
behind sun begin	-8777 Apr 18 j 20:39	22°♒01'27	
behind sun end	-8777 Apr 20 j 11:29	23°♒03'31	
asc. node	-8777 Apr 21 j 07:52	23°♒36'09	
	-8777 May 01 j 07:24	0°♓	
morning rise	-8777 Jun 04 j 22:45	22°♓23'10	
	-8777 Jun 16 j 14:31	0°♈	
	-8777 Jul 31 j 19:48	0°♉	
	-8777 Sep 13 j 22:16	0°♊	
	-8777 Oct 27 j 05:02	0°♋	
	-8777 Dec 09 j 07:26	0°♌	
	-8776 Jan 22 j 19:20	0°♍	
	-8776 Mar 15 j 11:49	0°♎	
desc. node	-8776 Mar 26 j 16:37	4°♎35'26	
retrograde	-8776 Apr 26 j 18:15	10°♎45'04	
min. Earth dist.	-8776 May 23 j 23:06	5°♎58'13	0.42424 AU
greatest brilliancy	-8776 May 30 j 03:23	4°♎00'51	-2.6m
opposition	-8776 May 31 j 08:44	3°♎37'28	-4°19'43
	-8776 Jun 13 j 01:35	30°℞♍	
direct	-8776 Jul 01 j 18:34	27°♍41'50	
	-8776 Jul 21 j 04:09	0°♎	
	-8776 Sep 28 j 00:28	0°♏	
	-8776 Nov 18 j 06:33	0°♐	
	-8775 Jan 06 j 06:31	0°♑	
	-8775 Feb 23 j 13:01	0°♒	
asc. node	-8775 Mar 08 j 04:01	7°♒55'10	
evening set	-8775 Apr 09 j 19:28	28°♒36'36	
	-8775 Apr 11 j 23:37	0°♓	
max. Earth dist.	-8775 May 08 j 19:08	17°♓19'21	2.62735 AU
conjunction	-8775 May 27 j 13:02	29°♓38'35	0°43'55
minimum elong	-8775 May 27 j 11:36	29°♓36'12	0°43'50
	-8775 May 28 j 01:58	0°♈	
	-8775 Jul 11 j 11:08	0°♉	
morning rise	-8775 Jul 13 j 19:29	1°♉37'20	
	-8775 Aug 23 j 02:00	0°♊	
	-8775 Oct 03 j 05:23	0°♋	
	-8775 Nov 12 j 09:33	0°♌	
	-8775 Dec 22 j 08:44	0°♍	
	-8774 Feb 01 j 06:18	0°♎	
desc. node	-8774 Feb 11 j 16:15	7°♎22'57	
	-8774 Mar 17 j 07:31	0°♏	
	-8774 May 12 j 15:56	0°♐	
retrograde	-8774 Jun 16 j 12:40	7°♐20'56	
min. Earth dist.	-8774 Jul 18 j 07:41	0°♐31'31	0.54687 AU
	-8774 Jul 19 j 17:04	30°℞♏	
greatest brilliancy	-8774 Jul 23 j 23:12	28°♏22'10	-1.9m
opposition	-8774 Jul 25 j 05:31	27°♏53'06	-5°35'32
direct	-8774 Aug 29 j 17:52	19°♏57'45	
	-8774 Oct 13 j 03:19	0°♐	
	-8774 Dec 13 j 09:59	0°♑	
asc. node	-8773 Jan 24 j 04:45	23°♑59'36	
	-8773 Feb 03 j 06:46	0°♒	
	-8773 Mar 24 j 02:29	0°♓	
	-8773 May 09 j 13:32	0°♈	
evening set	-8773 May 20 j 13:39	7°♈20'04	
max. Earth dist.	-8773 Jun 07 j 16:13	19°♈36'42	2.53930 AU
	-8773 Jun 22 j 16:47	0°♉	
conjunction	-8773 Jul 09 j 18:35	12°♉02'00	1°11'28
minimum elong	-8773 Jul 09 j 17:53	12°♉00'46	1°11'47
	-8773 Aug 03 j 15:54	0°♊	
morning rise	-8773 Aug 31 j 05:40	20°♊27'07	
	-8773 Sep 12 j 21:15	0°♋	
	-8773 Oct 22 j 00:06	0°♌	
	-8773 Nov 29 j 19:17	0°♍	
desc. node	-8773 Dec 30 j 11:58	23°♍27'47	
	-8772 Jan 08 j 04:14	0°♎	
	-8772 Feb 18 j 04:25	0°♏	
	-8772 Apr 02 j 09:40	0°♐	
	-8772 May 24 j 03:45	0°♑	
retrograde	-8772 Jul 24 j 11:27	18°♑19'33	
min. Earth dist.	-8772 Aug 30 j 01:44	9°♑43'09	0.63629 AU
opposition	-8772 Sep 02 j 09:21	8°♑23'11	-3°37'13
greatest brilliancy	-8772 Sep 02 j 00:18	8°♑32'16	-1.5m
	-8772 Sep 30 j 04:45	30°℞♐	
direct	-8772 Oct 10 j 21:58	29°♐14'35	
	-8772 Oct 22 j 02:56	0°♑	
asc. node	-8772 Dec 11 j 09:20	16°♑05'14	
	-8771 Jan 08 j 17:10	0°♒	
	-8771 Mar 02 j 13:49	0°♓	
	-8771 Apr 19 j 08:11	0°♈	
	-8771 Jun 02 j 18:28	0°♉	
evening set	-8771 Jul 06 j 01:05	23°♉45'33	
	-8771 Jul 14 j 13:13	0°♊	
max. Earth dist.	-8771 Jul 26 j 13:58	8°♊56'08	2.41992 AU
	-8771 Aug 23 j 08:45	0°♋	
conjunction	-8771 Aug 31 j 17:24	6°♋26'16	0°51'57
minimum elong	-8771 Aug 31 j 20:14	6°♋31'44	0°52'28
	-8771 Oct 01 j 00:03	0°♌	
morning rise	-8771 Nov 02 j 13:45	25°♌30'09	
	-8771 Nov 08 j 08:03	0°♍	
desc. node	-8771 Nov 16 j 05:04	6°♍07'47	
	-8771 Dec 17 j 05:46	0°♎	
	-8770 Jan 26 j 13:32	0°♏	
	-8770 Mar 10 j 03:36	0°♐	
	-8770 Apr 25 j 01:52	0°♑	
	-8770 Jun 16 j 09:05	0°♒	
retrograde	-8770 Aug 28 j 14:21	23°♒15'53	
opposition	-8770 Oct 07 j 07:33	13°♒38'08	-0°51'31
greatest brilliancy	-8770 Oct 07 j 08:11	13°♒37'30	-1.4m
min. Earth dist.	-8770 Oct 07 j 17:45	13°♒27'54	0.66709 AU
asc. node	-8770 Oct 29 j 14:14	5°♒58'36	
direct	-8770 Nov 16 j 17:24	3°♒49'29	
	-8769 Feb 04 j 23:24	0°♓	
	-8769 Mar 29 j 02:21	0°♈	
	-8769 May 13 j 19:55	0°♉	
	-8769 Jun 24 j 23:20	0°♊	
	-8769 Aug 03 j 19:03	0°♋	
evening set	-8769 Sep 03 j 20:41	24°♋08'47	
	-8769 Sep 11 j 07:48	0°♌	
desc. node	-8769 Oct 04 j 00:41	17°♌50'10	
	-8769 Oct 19 j 13:13	0°♍	
conjunction	-8769 Nov 06 j 12:38	13°♍59'08	-0°24'53
minimum elong	-8769 Nov 06 j 10:26	13°♍54'54	0°24'38
	-8769 Nov 27 j 09:13	0°♎	
max. Earth dist.	-8769 Dec 21 j 20:22	18°♎23'57	2.41792 AU
	-8768 Jan 06 j 14:43	0°♏	
morning rise	-8768 Jan 09 j 23:40	2°♏27'15	
	-8768 Feb 17 j 20:33	0°♐	
	-8768 Apr 02 j 13:01	0°♑	
	-8768 May 20 j 05:28	0°♒	
	-8768 Jul 12 j 00:20	0°♓	
asc. node	-8768 Sep 15 j 16:42	25°♓52'31	
retrograde	-8768 Oct 03 j 00:47	27°♓36'50	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

opposition	-8768 Nov 10 j 11:27	18°♓42'45	2°10'52
greatest brilliancy	-8768 Nov 10 j 17:50	18°♓36'30	-1.5m
min. Earth dist.	-8768 Nov 14 j 14:29	17°♓05'43	0.63626 AU
direct	-8768 Dec 21 j 11:23	8°♓43'20	
	-8767 Feb 27 j 23:19	0°♈	
	-8767 Apr 20 j 00:40	0°♉	
	-8767 Jun 02 j 18:30	0°♊	
	-8767 Jul 13 j 05:30	0°♋	
desc. node	-8767 Aug 20 j 22:58	29°♋53'26	
	-8767 Aug 21 j 02:20	0°♌	
	-8767 Sep 28 j 14:12	0°♍	
	-8767 Nov 06 j 16:49	0°♎	
evening set	-8767 Nov 08 j 02:09	1°♎02'56	
	-8767 Dec 17 j 04:52	0°♏	
conjunction	-8766 Jan 06 j 10:52	14°♏30'22	-1°11'03
minimum elong	-8766 Jan 06 j 09:59	14°♏28'48	1°11'23
	-8766 Jan 28 j 14:41	0°♐	
max. Earth dist.	-8766 Feb 10 j 05:43	8°♐39'33	2.54169 AU
morning rise	-8766 Mar 03 j 05:19	22°♐47'25	
	-8766 Mar 14 j 02:23	0°♑	
	-8766 Apr 29 j 14:11	0°♒	
	-8766 Jun 17 j 02:23	0°♓	
asc. node	-8766 Aug 03 j 14:33	27°♓40'10	
	-8766 Aug 07 j 19:51	0°♈	
	-8766 Oct 11 j 11:29	0°♉	
retrograde	-8766 Nov 15 j 13:21	6°♉25'05	
	-8766 Dec 17 j 23:20	30°℞♈	
opposition	-8766 Dec 21 j 10:58	28°♈44'37	5°08'58
greatest brilliancy	-8766 Dec 22 j 16:44	28°♈17'19	-1.9m
min. Earth dist.	-8766 Dec 28 j 21:09	26°♈01'27	0.54659 AU
direct	-8765 Jan 30 j 01:01	19°♈26'25	
	-8765 Mar 14 j 13:03	0°♉	
	-8765 May 07 j 09:01	0°♊	
	-8765 Jun 19 j 15:54	0°♋	
desc. node	-8765 Jul 09 j 00:29	14°♋16'15	
	-8765 Jul 29 j 22:18	0°♌	
	-8765 Sep 07 j 09:37	0°♍	
	-8765 Oct 17 j 08:06	0°♎	
	-8765 Nov 27 j 13:36	0°♏	
evening set	-8764 Jan 02 j 11:14	25°♏08'22	
	-8764 Jan 09 j 13:28	0°♐	
conjunction	-8764 Feb 23 j 21:38	0°♑21'09	-0°58'42
minimum elong	-8764 Feb 23 j 23:16	0°♑23'50	0°59'15
	-8764 Feb 23 j 08:46	0°♑	
max. Earth dist.	-8764 Mar 11 j 10:57	11°♑10'16	2.62985 AU
	-8764 Apr 09 j 15:36	0°♒	
morning rise	-8764 Apr 13 j 11:34	2°♒27'10	
	-8764 May 26 j 21:11	0°♓	
asc. node	-8764 Jun 20 j 09:09	15°♓24'25	
	-8764 Jul 13 j 17:47	0°♈	
	-8764 Aug 31 j 15:30	0°♉	
	-8764 Oct 23 j 00:11	0°♊	
retrograde	-8763 Jan 13 j 21:47	28°♊18'57	
opposition	-8763 Feb 14 j 22:22	22°♊33'14	5°57'18
greatest brilliancy	-8763 Feb 16 j 12:35	22°♊04'22	-2.6m
min. Earth dist.	-8763 Feb 22 j 02:41	20°♊24'00	0.42411 AU
direct	-8763 Mar 21 j 08:59	15°♊47'04	
	-8763 May 10 j 08:34	0°♋	
desc. node	-8763 May 26 j 04:45	8°♋29'49	
	-8763 Jun 29 j 15:08	0°♌	
	-8763 Aug 12 j 03:59	0°♍	
	-8763 Sep 23 j 15:17	0°♎	
	-8763 Nov 05 j 16:09	0°♏	
	-8763 Dec 19 j 23:13	0°♐	
	-8762 Feb 03 j 14:49	0°♑	
evening set	-8762 Feb 15 j 00:11	7°♑22'13	
	-8762 Mar 22 j 05:57	0°♒	
conjunction	-8762 Apr 04 j 16:37	8°♒35'43	-0°19'01
minimum elong	-8762 Apr 04 j 17:22	8°♒36'54	0°19'29
max. Earth dist.	-8762 Apr 05 j 07:03	8°♒58'46	2.66611 AU
asc. node	-8762 May 08 j 02:02	29°♒56'47	
	-8762 May 08 j 04:02	0°♓	
morning rise	-8762 May 21 j 09:02	8°♓28'27	
	-8762 Jun 23 j 17:03	0°♈	
	-8762 Aug 08 j 12:40	0°♉	
	-8762 Sep 22 j 16:42	0°♊	
	-8762 Nov 06 j 17:54	0°♋	
	-8762 Dec 23 j 00:11	0°♌	
	-8761 Feb 14 j 08:07	0°♍	
retrograde	-8761 Apr 01 j 23:41	12°♍17'18	
desc. node	-8761 Apr 13 j 09:35	11°♍24'31	
min. Earth dist.	-8761 Apr 29 j 16:15	7°♍42'25	0.38980 AU
opposition	-8761 May 04 j 01:29	6°♍28'26	-1°35'55
greatest brilliancy	-8761 May 03 j 17:45	6°♍33'54	-2.9m
direct	-8761 Jun 03 j 09:05	1°♍15'37	
	-8761 Aug 22 j 11:21	0°♎	
	-8761 Oct 11 j 17:28	0°♏	
	-8761 Nov 28 j 12:27	0°♐	
	-8760 Jan 15 j 01:58	0°♑	
	-8760 Mar 02 j 16:31	0°♒	
asc. node	-8760 Mar 24 j 20:18	14°♒01'43	
evening set	-8760 Mar 25 j 15:45	14°♒32'36	
	-8760 Apr 18 j 20:56	0°♓	
max. Earth dist.	-8760 Apr 28 j 17:39	6°♓20'44	2.64861 AU
conjunction	-8760 May 12 j 04:39	15°♓03'40	0°27'25
minimum elong	-8760 May 12 j 03:40	15°♓02'03	0°27'12
	-8760 Jun 03 j 23:53	0°♈	
morning rise	-8760 Jun 27 j 16:46	15°♈47'54	
	-8760 Jul 18 j 15:06	0°♉	
	-8760 Aug 30 j 16:43	0°♊	
	-8760 Oct 11 j 10:54	0°♋	
	-8760 Nov 21 j 09:13	0°♌	
	-8759 Jan 01 j 07:25	0°♍	
	-8759 Feb 12 j 19:00	0°♎	
desc. node	-8759 Feb 28 j 09:44	10°♎21'08	
	-8759 Apr 02 j 10:19	0°♏	
retrograde	-8759 May 29 j 19:44	18°♏03'32	
min. Earth dist.	-8759 Jun 28 j 11:06	12°♏05'59	0.49935 AU
greatest brilliancy	-8759 Jul 04 j 20:25	9°♏47'00	-2.1m
opposition	-8759 Jul 06 j 09:19	9°♏13'20	-5°46'15
direct	-8759 Aug 09 j 09:24	1°♏59'42	
	-8759 Oct 30 j 15:23	0°♐	
	-8759 Dec 23 j 04:07	0°♑	
asc. node	-8758 Feb 09 j 19:26	29°♑10'14	
	-8758 Feb 11 j 03:57	0°♒	
	-8758 Mar 31 j 07:21	0°♓	
evening set	-8758 May 04 j 05:04	21°♓51'15	
	-8758 May 16 j 13:44	0°♈	
max. Earth dist.	-8758 May 26 j 00:23	6°♈17'25	2.57932 AU
conjunction	-8758 Jun 22 j 00:51	24°♈38'45	1°04'22
minimum elong	-8758 Jun 21 j 23:26	24°♈36'19	1°04'31
	-8758 Jun 29 j 18:28	0°♉	
morning rise	-8758 Aug 10 j 18:56	29°♉53'21	
	-8758 Aug 10 j 22:36	0°♊	
	-8758 Sep 20 j 10:54	0°♋	
	-8758 Oct 29 j 21:21	0°♌	
	-8758 Dec 08 j 00:10	0°♍	
desc. node	-8757 Jan 16 j 07:21	29°♍40'20	
	-8757 Jan 16 j 17:56	0°♎	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8757 Feb 27 j 09:06	0°♏	
	-8757 Apr 14 j 07:31	0°♐	
	-8757 Jun 16 j 14:15	0°♑	
retrograde	-8757 Jul 11 j 03:51	3°♑41'35	
	-8757 Aug 03 j 02:48	30°℞♐	
min. Earth dist.	-8757 Aug 15 j 00:57	25°♐42'00	0.60789 AU
opposition	-8757 Aug 19 j 19:26	23°♐48'08	-4°32'16
greatest brilliancy	-8757 Aug 19 j 02:47	24°♐04'43	-1.6m
direct	-8757 Sep 26 j 06:46	15°♐03'23	
	-8757 Nov 22 j 05:14	0°♑	
asc. node	-8757 Dec 28 j 22:19	17°♑57'59	
	-8756 Jan 19 j 21:03	0°♒	
	-8756 Mar 10 j 14:19	0°♓	
	-8756 Apr 26 j 17:09	0°♈	
	-8756 Jun 09 j 23:40	0°♉	
evening set	-8756 Jun 16 j 08:25	4°♉27'46	
max. Earth dist.	-8756 Jul 02 j 05:56	15°♉46'11	2.46780 AU
	-8756 Jul 21 j 19:31	0°♊	
conjunction	-8756 Aug 08 j 22:25	13°♊27'45	1°07'28
minimum elong	-8756 Aug 09 j 00:00	13°♊30'44	1°08'00
	-8756 Aug 30 j 18:16	0°♋	
morning rise	-8756 Oct 06 j 10:46	28°♋21'40	
	-8756 Oct 08 j 13:13	0°♌	
	-8756 Nov 16 j 00:17	0°♍	
desc. node	-8756 Dec 03 j 02:38	13°♍14'24	
	-8756 Dec 25 j 00:34	0°♎	
	-8755 Feb 03 j 11:36	0°♏	
	-8755 Mar 18 j 09:54	0°♐	
	-8755 May 04 j 11:34	0°♑	
	-8755 Jul 01 j 16:28	0°♒	
retrograde	-8755 Aug 15 j 02:18	10°♒12'05	
min. Earth dist.	-8755 Sep 22 j 23:22	0°♒48'36	0.66233 AU
opposition	-8755 Sep 24 j 00:14	0°♒23'32	-1°58'28
greatest brilliancy	-8755 Sep 23 j 23:02	0°♒24'44	-1.4m
	-8755 Sep 24 j 23:35	30°℞♑	
direct	-8755 Nov 02 j 19:23	20°♑47'14	
asc. node	-8755 Nov 15 j 03:14	21°♑41'16	
	-8755 Dec 15 j 22:33	0°♒	
	-8754 Feb 15 j 17:51	0°♓	
	-8754 Apr 06 j 11:43	0°♈	
	-8754 May 21 j 13:17	0°♉	
	-8754 Jul 02 j 11:52	0°♊	
evening set	-8754 Aug 09 j 22:32	28°♊58'09	
	-8754 Aug 11 j 06:44	0°♋	
	-8754 Sep 18 j 19:48	0°♌	
conjunction	-8754 Oct 10 j 16:20	17°♌09'51	0°07'46
minimum elong	-8754 Oct 10 j 17:06	17°♌11'21	0°08'11
behind sun begin	-8754 Oct 09 j 17:04	16°♌24'10	
behind sun end	-8754 Oct 11 j 17:09	17°♌58'32	
desc. node	-8754 Oct 20 j 20:05	25°♌07'51	
max. Earth dist.	-8754 Oct 26 j 17:08	29°♌43'49	2.38210 AU
	-8754 Oct 27 j 01:25	0°♍	
	-8754 Dec 04 j 21:06	0°♎	
morning rise	-8754 Dec 15 j 16:12	8°♎10'54	
	-8753 Jan 14 j 02:03	0°♏	
	-8753 Feb 25 j 08:36	0°♐	
	-8753 Apr 11 j 07:27	0°♑	
	-8753 May 30 j 00:21	0°♒	
	-8753 Jul 26 j 10:51	0°♓	
retrograde	-8753 Sep 19 j 10:18	14°♓13'10	
asc. node	-8753 Oct 03 j 07:11	12°♓57'52	
opposition	-8753 Oct 28 j 11:49	4°♓59'02	0°59'05
greatest brilliancy	-8753 Oct 28 j 13:33	4°♓57'20	-1.4m
min. Earth dist.	-8753 Oct 31 j 04:08	3°♓55'11	0.65561 AU
	-8753 Nov 10 j 14:12	30°℞♒	
direct	-8753 Dec 08 j 10:20	24°♒59'37	
	-8752 Jan 07 j 17:10	0°♓	
	-8752 Mar 12 j 06:43	0°♈	
	-8752 Apr 29 j 05:52	0°♉	
	-8752 Jun 11 j 03:00	0°♊	
	-8752 Jul 21 j 05:39	0°♋	
	-8752 Aug 28 j 21:47	0°♌	
desc. node	-8752 Sep 06 j 16:17	6°♌52'12	
	-8752 Oct 06 j 05:46	0°♍	
evening set	-8752 Oct 13 j 21:28	5°♍57'14	
	-8752 Nov 14 j 04:32	0°♎	
conjunction	-8752 Dec 15 j 01:06	23°♎03'43	-1°01'26
minimum elong	-8752 Dec 14 j 22:31	22°♎58'58	1°01'35
	-8752 Dec 24 j 12:47	0°♏	
max. Earth dist.	-8751 Jan 25 j 20:37	23°♏04'19	2.49540 AU
	-8751 Feb 04 j 19:33	0°♐	
morning rise	-8751 Feb 12 j 05:16	5°♐06'02	
	-8751 Mar 21 j 07:02	0°♑	
	-8751 May 07 j 01:29	0°♒	
	-8751 Jun 25 j 14:13	0°♓	
asc. node	-8751 Aug 20 j 07:46	0°♈06'27	
	-8751 Aug 20 j 02:24	0°♈	
retrograde	-8751 Oct 28 j 06:58	20°♈32'45	
opposition	-8751 Dec 04 j 08:33	12°♈18'50	4°03'14
greatest brilliancy	-8751 Dec 05 j 03:42	12°♈00'39	-1.7m
min. Earth dist.	-8751 Dec 10 j 14:35	9°♈56'29	0.58815 AU
direct	-8750 Jan 13 j 19:30	2°♈35'02	
	-8750 Apr 01 j 13:13	0°♉	
	-8750 May 18 j 15:02	0°♊	
	-8750 Jun 29 j 06:34	0°♋	
desc. node	-8750 Jul 25 j 17:14	19°♋59'26	
	-8750 Aug 07 j 18:30	0°♌	
	-8750 Sep 15 j 17:09	0°♍	
	-8750 Oct 25 j 05:10	0°♎	
	-8750 Dec 05 j 01:41	0°♏	
evening set	-8750 Dec 13 j 13:20	6°♏04'28	
	-8749 Jan 16 j 18:13	0°♐	
conjunction	-8749 Feb 06 j 08:12	13°♐59'45	-1°08'18
minimum elong	-8749 Feb 06 j 09:22	14°♐01'44	1°08'49
max. Earth dist.	-8749 Mar 01 j 16:33	29°♐32'56	2.60132 AU
	-8749 Mar 02 j 08:58	0°♑	
morning rise	-8749 Mar 29 j 21:01	17°♑56'25	
	-8749 Apr 17 j 15:43	0°♒	
	-8749 Jun 04 j 05:09	0°♓	
asc. node	-8749 Jul 08 j 03:29	20°♓56'42	
	-8749 Jul 23 j 01:33	0°♈	
	-8749 Sep 12 j 15:49	0°♉	
	-8749 Nov 16 j 09:46	0°♊	
retrograde	-8749 Dec 19 j 12:11	5°♊51'41	
	-8748 Jan 20 j 00:32	30°℞♉	
opposition	-8748 Jan 22 j 04:23	29°♉17'08	6°15'33
greatest brilliancy	-8748 Jan 23 j 22:43	28°♉41'44	-2.3m
min. Earth dist.	-8748 Jan 30 j 09:48	26°♉33'21	0.47151 AU
direct	-8748 Feb 28 j 03:56	21°♉15'57	
	-8748 Apr 06 j 09:20	0°♊	
	-8748 May 30 j 07:01	0°♋	
desc. node	-8748 Jun 11 j 20:36	8°♋23'48	
	-8748 Jul 12 j 14:01	0°♌	
	-8748 Aug 22 j 16:19	0°♍	
	-8748 Oct 02 j 18:01	0°♎	
	-8748 Nov 13 j 20:15	0°♏	
	-8748 Dec 27 j 11:30	0°♐	
evening set	-8747 Jan 29 j 13:47	22°♐02'46	
	-8747 Feb 10 j 16:53	0°♑	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

conjunction	-8747 Mar 20 j 08:43	24°♉22'34	-0°36'06
minimum elong	-8747 Mar 20 j 10:02	24°♉24'41	0°36'38
max. Earth dist.	-8747 Mar 27 j 01:25	28°♉40'21	2.65843 AU
	-8747 Mar 29 j 03:08	0°♒	
morning rise	-8747 May 06 j 20:03	24°♒43'41	
	-8747 May 15 j 02:22	0°♓	
asc. node	-8747 May 24 j 20:40	6°♓13'43	
	-8747 Jul 01 j 00:29	0°♈	
	-8747 Aug 16 j 16:29	0°♉	
	-8747 Oct 02 j 11:46	0°♊	
	-8747 Nov 19 j 19:33	0°♋	
	-8746 Jan 14 j 16:54	0°♌	
retrograde	-8746 Mar 02 j 21:37	11°♌54'07	
opposition	-8746 Apr 02 j 15:58	6°♌46'41	2°09'45
greatest brilliancy	-8746 Apr 02 j 20:22	6°♌43'44	-2.9m
min. Earth dist.	-8746 Apr 03 j 08:45	6°♌35'27	0.38105 AU
desc. node	-8746 Apr 30 j 01:02	1°♌41'06	
direct	-8746 May 03 j 06:04	1°♌36'58	
	-8746 Jul 19 j 20:22	0°♍	
	-8746 Sep 06 j 04:35	0°♎	
	-8746 Oct 22 j 01:26	0°♏	
	-8746 Dec 06 j 23:22	0°♐	
	-8745 Jan 22 j 13:51	0°♑	
	-8745 Mar 10 j 16:47	0°♒	
evening set	-8745 Mar 11 j 12:25	0°♒31'12	
asc. node	-8745 Apr 11 j 13:38	20°♒17'53	
max. Earth dist.	-8745 Apr 20 j 02:36	25°♒45'43	2.66195 AU
	-8745 Apr 26 j 17:12	0°♓	
conjunction	-8745 Apr 28 j 05:08	0°♓57'40	0°09'37
minimum elong	-8745 Apr 28 j 04:46	0°♓57'05	0°09'17
behind sun begin	-8745 Apr 27 j 12:43	0°♓31'20	
behind sun end	-8745 Apr 28 j 20:49	1°♓22'50	
	-8745 Jun 11 j 22:45	0°♈	
morning rise	-8745 Jun 13 j 10:28	0°♈58'42	
	-8745 Jul 26 j 22:44	0°♉	
	-8745 Sep 08 j 15:29	0°♊	
	-8745 Oct 21 j 07:02	0°♋	
	-8745 Dec 02 j 09:56	0°♌	
	-8744 Jan 14 j 02:15	0°♍	
	-8744 Feb 29 j 09:51	0°♎	
desc. node	-8744 Mar 17 j 05:00	9°♎20'16	
retrograde	-8744 May 09 j 15:05	25°♎33'15	
min. Earth dist.	-8744 Jun 06 j 09:06	20°♎26'15	0.44937 AU
greatest brilliancy	-8744 Jun 12 j 23:00	18°♎14'09	-2.4m
opposition	-8744 Jun 14 j 11:07	17°♎43'45	-5°11'40
direct	-8744 Jul 16 j 17:41	11°♎19'56	
	-8744 Sep 17 j 14:03	0°♏	
	-8744 Nov 11 j 16:18	0°♐	
	-8744 Dec 31 j 20:56	0°♑	
	-8743 Feb 18 j 15:55	0°♒	
asc. node	-8743 Feb 26 j 10:05	4°♒49'50	
	-8743 Apr 07 j 07:55	0°♓	
evening set	-8743 Apr 18 j 14:31	7°♓13'34	
max. Earth dist.	-8743 May 14 j 21:31	24°♓19'31	2.61232 AU
	-8743 May 23 j 11:49	0°♈	
conjunction	-8743 Jun 05 j 14:15	8°♈44'03	0°52'23
minimum elong	-8743 Jun 05 j 12:42	8°♈41'27	0°52'23
	-8743 Jul 06 j 19:32	0°♉	
morning rise	-8743 Jul 23 j 12:40	11°♉39'39	
	-8743 Aug 18 j 06:36	0°♊	
	-8743 Sep 28 j 04:19	0°♋	
	-8743 Nov 07 j 01:36	0°♌	
	-8743 Dec 16 j 16:04	0°♍	
	-8742 Jan 26 j 00:42	0°♎	
desc. node	-8742 Feb 02 j 03:16	5°♎08'52	
	-8742 Mar 09 j 20:10	0°♏	
	-8742 Apr 28 j 19:06	0°♐	
retrograde	-8742 Jun 25 j 20:58	17°♐40'34	
min. Earth dist.	-8742 Jul 28 j 19:28	10°♐24'13	0.57047 AU
opposition	-8742 Aug 03 j 23:33	8°♐00'00	-5°17'22
greatest brilliancy	-8742 Aug 02 j 22:05	8°♐24'51	-1.8m
	-8742 Sep 03 j 03:22	30°℞♏	
direct	-8742 Sep 09 j 05:16	29°♏45'14	
	-8742 Sep 15 j 10:43	0°♐	
	-8742 Dec 06 j 05:24	0°♑	
asc. node	-8741 Jan 14 j 11:49	21°♑40'34	
	-8741 Jan 28 j 19:08	0°♒	
	-8741 Mar 19 j 04:49	0°♓	
	-8741 May 04 j 21:27	0°♈	
evening set	-8741 May 30 j 07:34	17°♈03'12	
max. Earth dist.	-8741 Jun 15 j 22:56	28°♈30'41	2.51495 AU
	-8741 Jun 18 j 02:14	0°♉	
conjunction	-8741 Jul 20 j 12:34	23°♉04'30	1°12'30
minimum elong	-8741 Jul 20 j 12:35	23°♉04'32	1°12'54
	-8741 Jul 30 j 00:28	0°♊	
	-8741 Sep 08 j 03:27	0°♋	
morning rise	-8741 Sep 12 j 21:29	3°♋37'12	
	-8741 Oct 17 j 03:16	0°♌	
	-8741 Nov 24 j 18:56	0°♍	
desc. node	-8741 Dec 20 j 21:56	20°♍05'01	
	-8740 Jan 02 j 23:45	0°♎	
	-8740 Feb 12 j 17:25	0°♏	
	-8740 Mar 27 j 07:00	0°♐	
	-8740 May 15 j 13:15	0°♑	
retrograde	-8740 Aug 01 j 11:39	26°♑44'53	
min. Earth dist.	-8740 Sep 07 j 22:27	17°♑50'20	0.64807 AU
opposition	-8740 Sep 10 j 10:26	16°♑49'52	-3°02'20
greatest brilliancy	-8740 Sep 10 j 04:51	16°♑55'30	-1.4m
direct	-8740 Oct 19 j 10:39	7°♑30'17	
asc. node	-8740 Dec 01 j 16:41	16°♑45'54	
	-8739 Jan 01 j 00:10	0°♒	
	-8739 Feb 24 j 23:30	0°♓	
	-8739 Apr 14 j 08:42	0°♈	
	-8739 May 29 j 00:32	0°♉	
	-8739 Jul 09 j 21:06	0°♊	
evening set	-8739 Jul 18 j 01:20	6°♊03'22	
max. Earth dist.	-8739 Aug 15 j 13:20	27°♊35'33	2.39728 AU
	-8739 Aug 18 j 16:41	0°♋	
conjunction	-8739 Sep 14 j 14:03	20°♋50'18	0°38'20
minimum elong	-8739 Sep 14 j 16:50	20°♋55'45	0°38'50
	-8739 Sep 26 j 07:12	0°♌	
	-8739 Nov 03 j 13:51	0°♍	
desc. node	-8739 Nov 06 j 16:04	2°♍24'50	
morning rise	-8739 Nov 18 j 06:46	11°♍26'40	
	-8739 Dec 12 j 09:59	0°♎	
	-8738 Jan 21 j 15:34	0°♏	
	-8738 Mar 05 j 01:01	0°♐	
	-8738 Apr 19 j 11:26	0°♑	
	-8738 Jun 08 j 22:51	0°♒	
	-8738 Aug 22 j 12:56	0°♓	
retrograde	-8738 Sep 05 j 11:51	1°♓09'39	
	-8738 Sep 18 j 18:11	30°℞♒	
opposition	-8738 Oct 15 j 00:06	21°♒39'22	-0°11'25
greatest brilliancy	-8738 Oct 15 j 00:27	21°♒39'00	-1.4m
min. Earth dist.	-8738 Oct 16 j 05:40	21°♒09'45	0.66554 AU
asc. node	-8738 Oct 19 j 21:32	19°♒42'22	
direct	-8738 Nov 24 j 15:17	11°♒45'37	
	-8737 Jan 27 j 14:17	0°♓	
	-8737 Mar 23 j 06:23	0°♈	
	-8737 May 08 j 15:50	0°♉	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8737 Jun 20 j 01:11	0°♊	
	-8737 Jul 29 j 23:26	0°♋	
	-8737 Sep 06 j 13:28	0°♌	
evening set	-8737 Sep 18 j 14:39	9°♌27'34	
desc. node	-8737 Sep 24 j 10:54	14°♌02'53	
	-8737 Oct 14 j 19:30	0°♍	
conjunction	-8737 Nov 21 j 07:35	28°♍58'34	-0°40'56
minimum elong	-8737 Nov 21 j 04:31	28°♍52'45	0°40'48
	-8737 Nov 22 j 15:52	0°♎	
	-8736 Jan 01 j 21:27	0°♏	
max. Earth dist.	-8736 Jan 06 j 14:45	3°♏26'01	2.44514 AU
morning rise	-8736 Jan 23 j 01:34	15°♏14'43	
	-8736 Feb 13 j 02:14	0°♐	
	-8736 Mar 28 j 15:15	0°♑	
	-8736 May 14 j 20:42	0°♒	
	-8736 Jul 05 j 01:27	0°♓	
asc. node	-8736 Sep 05 j 23:29	29°♓16'45	
	-8736 Sep 08 j 04:24	0°♈	
retrograde	-8736 Oct 11 j 20:37	5°♈58'00	
	-8736 Nov 11 j 15:03	30°℞♓	
opposition	-8736 Nov 18 j 20:29	27°♓16'46	2°52'21
greatest brilliancy	-8736 Nov 19 j 06:46	27°♓06'47	-1.5m
min. Earth dist.	-8736 Nov 23 j 18:13	25°♓22'25	0.62155 AU
direct	-8736 Dec 29 j 17:39	17°♓20'10	
	-8735 Feb 17 j 17:30	0°♈	
	-8735 Apr 13 j 14:24	0°♉	
	-8735 May 28 j 05:01	0°♊	
	-8735 Jul 08 j 00:05	0°♋	
desc. node	-8735 Aug 11 j 09:07	26°♋22'27	
	-8735 Aug 16 j 01:18	0°♌	
	-8735 Sep 23 j 16:04	0°♍	
	-8735 Nov 01 j 21:04	0°♎	
evening set	-8735 Nov 21 j 13:58	14°♎43'11	
	-8735 Dec 12 j 11:13	0°♏	
conjunction	-8734 Jan 18 j 05:19	26°♏02'53	-1°12'13
minimum elong	-8734 Jan 18 j 05:22	26°♏02'59	1°12'37
	-8734 Jan 23 j 22:21	0°♐	
max. Earth dist.	-8734 Feb 17 j 18:10	16°♐54'20	2.56504 AU
	-8734 Mar 09 j 10:07	0°♑	
morning rise	-8734 Mar 13 j 07:02	2°♑33'02	
	-8734 Apr 24 j 18:40	0°♒	
	-8734 Jun 11 j 20:18	0°♓	
asc. node	-8734 Jul 24 j 20:52	25°♓44'48	
	-8734 Aug 01 j 05:33	0°♈	
	-8734 Sep 27 j 06:59	0°♉	
retrograde	-8734 Nov 26 j 23:06	16°♉38'18	
opposition	-8733 Jan 01 j 02:51	9°♉18'58	5°40'25
greatest brilliancy	-8733 Jan 02 j 14:21	8°♉47'12	-2.0m
min. Earth dist.	-8733 Jan 09 j 00:23	6°♉30'02	0.52109 AU
direct	-8733 Feb 08 j 23:06	0°♉22'00	
	-8733 Apr 28 j 23:58	0°♊	
	-8733 Jun 13 j 02:35	0°♋	
desc. node	-8733 Jun 29 j 13:05	11°♋50'15	
	-8733 Jul 24 j 02:13	0°♌	
	-8733 Sep 01 j 23:21	0°♍	
	-8733 Oct 12 j 04:45	0°♎	
	-8733 Nov 22 j 15:39	0°♏	
	-8732 Jan 04 j 19:22	0°♐	
evening set	-8732 Jan 13 j 02:52	5°♐38'14	
	-8732 Feb 18 j 17:13	0°♑	
conjunction	-8732 Mar 04 j 11:11	9°♑38'18	-0°51'13
minimum elong	-8732 Mar 04 j 12:49	9°♑40'57	0°51'47
max. Earth dist.	-8732 Mar 17 j 09:18	18°♑00'49	2.64243 AU
	-8732 Apr 05 j 00:22	0°♒	
morning rise	-8732 Apr 22 j 03:38	10°♒57'14	
	-8732 May 22 j 02:48	0°♓	
asc. node	-8732 Jun 10 j 14:14	12°♓19'53	
	-8732 Jul 08 j 13:43	0°♈	
	-8732 Aug 25 j 11:26	0°♉	
	-8732 Oct 14 j 01:48	0°♊	
	-8732 Dec 10 j 02:06	0°♋	
retrograde	-8731 Jan 30 j 14:44	13°♋10'22	
opposition	-8731 Mar 02 j 18:26	7°♋47'44	5°06'05
greatest brilliancy	-8731 Mar 03 j 22:40	7°♋27'34	-2.7m
min. Earth dist.	-8731 Mar 08 j 07:27	6°♋13'05	0.40274 AU
direct	-8731 Apr 04 j 17:28	1°♋43'56	
desc. node	-8731 May 16 j 17:58	12°♋09'50	
	-8731 Jun 19 j 07:17	0°♌	
	-8731 Aug 04 j 18:01	0°♍	
	-8731 Sep 17 j 11:20	0°♎	
	-8731 Oct 31 j 05:22	0°♏	
	-8731 Dec 14 j 22:45	0°♐	
	-8730 Jan 29 j 20:42	0°♑	
evening set	-8730 Feb 24 j 02:42	16°♑14'27	
	-8730 Mar 17 j 15:02	0°♒	
max. Earth dist.	-8730 Apr 10 j 19:06	15°♒25'54	2.66694 AU
conjunction	-8730 Apr 13 j 08:21	17°♒03'42	-0°08'36
minimum elong	-8730 Apr 13 j 08:41	17°♒04'15	0°09'02
behind sun begin	-8730 Apr 12 j 16:21	16°♒38'10	
behind sun end	-8730 Apr 14 j 01:02	17°♒30'20	
asc. node	-8730 Apr 28 j 06:26	26°♒36'19	
	-8730 May 03 j 13:32	0°♓	
morning rise	-8730 May 29 j 17:47	16°♓51'16	
	-8730 Jun 18 j 23:34	0°♈	
	-8730 Aug 03 j 11:12	0°♉	
	-8730 Sep 17 j 00:29	0°♊	
	-8730 Oct 30 j 23:40	0°♋	
	-8730 Dec 14 j 04:17	0°♌	
	-8729 Jan 29 j 23:18	0°♍	
desc. node	-8729 Apr 03 j 21:03	27°♍58'41	
retrograde	-8729 Apr 17 j 01:25	29°♍10'11	
min. Earth dist.	-8729 May 14 j 04:09	24°♍34'11	0.40636 AU
opposition	-8729 May 20 j 13:10	22°♍39'09	-3°20'33
greatest brilliancy	-8729 May 19 j 16:21	22°♍54'52	-2.7m
direct	-8729 Jun 20 j 08:39	17°♍05'12	
	-8729 Aug 09 j 00:41	0°♎	
	-8729 Oct 04 j 05:21	0°♏	
	-8729 Nov 22 j 16:13	0°♐	
	-8728 Jan 09 j 23:14	0°♑	
	-8728 Feb 26 j 22:07	0°♒	
asc. node	-8728 Mar 15 j 01:53	10°♒48'40	
evening set	-8728 Apr 03 j 08:34	23°♒02'18	
	-8728 Apr 14 j 06:06	0°♓	
max. Earth dist.	-8728 May 04 j 13:11	13°♓04'46	2.63793 AU
conjunction	-8728 May 20 j 22:50	23°♓46'47	0°37'11
minimum elong	-8728 May 20 j 21:33	23°♓44'41	0°37'03
	-8728 May 30 j 09:30	0°♈	
morning rise	-8728 Jul 06 j 19:02	25°♈07'06	
	-8728 Jul 13 j 22:07	0°♉	
	-8728 Aug 25 j 18:31	0°♊	
	-8728 Oct 06 j 04:38	0°♋	
	-8728 Nov 15 j 16:32	0°♌	
	-8728 Dec 26 j 00:14	0°♍	
	-8727 Feb 05 j 10:16	0°♎	
desc. node	-8727 Feb 18 j 21:27	9°♎20'25	
	-8727 Mar 22 j 17:52	0°♏	
retrograde	-8727 Jun 09 j 05:26	29°♏47'51	
min. Earth dist.	-8727 Jul 10 j 01:10	23°♏20'49	0.52614 AU
greatest brilliancy	-8727 Jul 16 j 01:11	21°♏05'57	-2.0m

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

opposition	-8727 Jul 17 j 10:53	20°♏34'11	-5°44'25
direct	-8727 Aug 21 j 07:14	12°♏56'23	
	-8727 Oct 20 j 21:28	0°♐	
	-8727 Dec 16 j 23:44	0°♑	
asc. node	-8726 Jan 31 j 02:05	26°♑26'50	
	-8726 Feb 05 j 23:31	0°♒	
	-8726 Mar 26 j 12:20	0°♓	
	-8726 May 11 j 22:19	0°♈	
evening set	-8726 May 13 j 11:37	1°♈01'46	
max. Earth dist.	-8726 Jun 02 j 05:11	14°♈15'27	2.55799 AU
	-8726 Jun 25 j 03:16	0°♉	
conjunction	-8726 Jul 01 j 23:55	4°♉47'31	1°09'10
minimum elong	-8726 Jul 01 j 22:51	4°♉45'39	1°09'25
	-8726 Aug 06 j 05:40	0°♊	
morning rise	-8726 Aug 22 j 02:49	11°♊40'11	
	-8726 Sep 15 j 14:45	0°♋	
	-8726 Oct 24 j 21:20	0°♌	
	-8726 Dec 02 j 19:39	0°♍	
desc. node	-8725 Jan 06 j 18:04	26°♍35'10	
	-8725 Jan 11 j 07:24	0°♎	
	-8725 Feb 21 j 11:56	0°♏	
	-8725 Apr 07 j 04:53	0°♐	
	-8725 May 31 j 12:54	0°♑	
retrograde	-8725 Jul 19 j 12:06	12°♑38'22	
min. Earth dist.	-8725 Aug 24 j 08:05	4°♑17'40	0.62460 AU
opposition	-8725 Aug 28 j 07:20	2°♑42'13	-4°01'25
greatest brilliancy	-8725 Aug 27 j 19:07	2°♑54'28	-1.5m
	-8725 Sep 04 j 05:34	30°℞♐	
direct	-8725 Oct 05 j 08:41	23°♐43'42	
	-8725 Nov 08 j 22:25	0°♑	
asc. node	-8725 Dec 19 j 06:10	16°♑55'53	
	-8724 Jan 13 j 10:58	0°♒	
	-8724 Mar 05 j 08:36	0°♓	
	-8724 Apr 21 j 21:19	0°♈	
	-8724 Jun 05 j 07:08	0°♉	
evening set	-8724 Jun 27 j 08:05	15°♉35'49	
max. Earth dist.	-8724 Jul 14 j 18:52	28°♉15'57	2.44082 AU
	-8724 Jul 17 j 03:29	0°♊	
conjunction	-8724 Aug 21 j 13:32	26°♊34'28	1°00'00
minimum elong	-8724 Aug 21 j 15:58	26°♊39'06	1°00'32
	-8724 Aug 26 j 01:05	0°♋	
	-8724 Oct 03 j 18:20	0°♌	
morning rise	-8724 Oct 21 j 13:21	13°♌55'01	
	-8724 Nov 11 j 03:30	0°♍	
desc. node	-8724 Nov 23 j 11:11	9°♍34'29	
	-8724 Dec 20 j 01:35	0°♎	
	-8723 Jan 29 j 09:36	0°♏	
	-8723 Mar 13 j 01:05	0°♐	
	-8723 Apr 28 j 07:07	0°♑	
	-8723 Jun 21 j 05:13	0°♒	
retrograde	-8723 Aug 22 j 21:19	18°♒09'50	
opposition	-8723 Oct 01 j 16:36	8°♒26'43	-1°19'54
min. Earth dist.	-8723 Oct 01 j 10:59	8°♒32'23	0.66617 AU
greatest brilliancy	-8723 Oct 01 j 16:44	8°♒26'35	-1.4m
	-8723 Oct 27 j 20:32	30°℞♑	
asc. node	-8723 Nov 05 j 11:11	28°♑54'12	
direct	-8723 Nov 10 j 20:00	28°♑43'04	
	-8723 Nov 25 j 15:52	0°♒	
	-8722 Feb 09 j 01:23	0°♓	
	-8722 Apr 01 j 03:07	0°♈	
	-8722 May 16 j 14:51	0°♉	
	-8722 Jun 27 j 17:20	0°♊	
	-8722 Aug 06 j 13:17	0°♋	
evening set	-8722 Aug 23 j 18:46	13°♋19'43	
	-8722 Sep 14 j 02:24	0°♌	
desc. node	-8722 Oct 11 j 06:14	21°♌20'19	
	-8722 Oct 22 j 07:32	0°♍	
conjunction	-8722 Oct 25 j 20:50	2°♍46'42	-0°11'06
minimum elong	-8722 Oct 25 j 19:49	2°♍44'43	0°10'46
behind sun begin	-8722 Oct 24 j 22:50	2°♍03'45	
behind sun end	-8722 Oct 26 j 16:48	3°♍25'40	
	-8722 Nov 30 j 02:29	0°♎	
max. Earth dist.	-8722 Dec 03 j 15:56	2°♎42'34	2.39818 AU
morning rise	-8722 Dec 30 j 08:27	22°♎42'48	
	-8721 Jan 09 j 06:36	0°♏	
	-8721 Feb 20 j 11:09	0°♐	
	-8721 Apr 06 j 04:29	0°♑	
	-8721 May 24 j 04:02	0°♒	
	-8721 Jul 17 j 08:00	0°♓	
asc. node	-8721 Sep 23 j 14:30	22°♓10'19	
retrograde	-8721 Sep 27 j 17:51	22°♓16'38	
opposition	-8721 Nov 05 j 11:13	13°♓13'04	1°40'29
greatest brilliancy	-8721 Nov 05 j 15:13	13°♓09'07	-1.5m
min. Earth dist.	-8721 Nov 08 j 22:31	11°♓50'52	0.64618 AU
direct	-8721 Dec 16 j 10:39	3°♓12'51	
	-8720 Mar 04 j 22:07	0°♈	
	-8720 Apr 23 j 12:33	0°♉	
	-8720 Jun 05 j 22:11	0°♊	
	-8720 Jul 16 j 06:04	0°♋	
	-8720 Aug 24 j 01:03	0°♌	
desc. node	-8720 Aug 28 j 04:14	3°♌13'40	
	-8720 Oct 01 j 10:47	0°♍	
evening set	-8720 Oct 28 j 07:47	20°♍45'44	
	-8720 Nov 09 j 10:42	0°♎	
	-8720 Dec 19 j 19:49	0°♏	
conjunction	-8720 Dec 28 j 01:10	5°♏56'58	-1°08'08
minimum elong	-8720 Dec 27 j 23:31	5°♏53'59	1°08'24
	-8719 Jan 31 j 02:44	0°♐	
max. Earth dist.	-8719 Feb 04 j 03:04	2°♐46'19	2.52150 AU
morning rise	-8719 Feb 23 j 07:20	15°♐50'33	
	-8719 Mar 16 j 12:53	0°♑	
	-8719 May 02 j 01:55	0°♒	
	-8719 Jun 19 j 22:19	0°♓	
asc. node	-8719 Aug 10 j 13:27	29°♓18'06	
	-8719 Aug 11 j 21:11	0°♈	
retrograde	-8719 Nov 07 j 10:35	29°♈49'32	
opposition	-8719 Dec 13 j 21:13	21°♈53'10	4°41'38
greatest brilliancy	-8719 Dec 14 j 22:12	21°♈29'50	-1.8m
min. Earth dist.	-8719 Dec 20 j 19:07	19°♈18'25	0.56619 AU
direct	-8718 Jan 22 j 21:27	12°♈21'37	
	-8718 Mar 22 j 21:15	0°♉	
	-8718 May 11 j 23:17	0°♊	
	-8718 Jun 23 j 11:07	0°♋	
desc. node	-8718 Jul 16 j 05:20	16°♋58'48	
	-8718 Aug 02 j 08:47	0°♌	
	-8718 Sep 10 j 13:44	0°♍	
	-8718 Oct 20 j 06:23	0°♎	
	-8718 Nov 30 j 06:39	0°♏	
evening set	-8718 Dec 25 j 02:57	17°♏34'43	
	-8717 Jan 12 j 01:47	0°♐	
conjunction	-8717 Feb 16 j 13:20	23°♐55'30	-1°03'19
minimum elong	-8717 Feb 16 j 14:51	23°♐58'01	1°03'50
	-8717 Feb 25 j 17:49	0°♑	
max. Earth dist.	-8717 Mar 08 j 00:32	6°♑44'56	2.61799 AU
morning rise	-8717 Apr 07 j 22:35	26°♑46'16	
	-8717 Apr 12 j 23:28	0°♒	
	-8717 May 30 j 07:39	0°♓	
asc. node	-8717 Jun 28 j 08:13	18°♓07'43	
	-8717 Jul 17 j 13:11	0°♈	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8717 Sep 05 j 09:48	0°♉	
	-8717 Oct 30 j 23:34	0°♊	
retrograde	-8716 Jan 02 j 20:19	18°♊28'40	
opposition	-8716 Feb 04 j 15:08	12°♊21'12	6°13'47
greatest brilliancy	-8716 Feb 06 j 09:13	11°♊47'51	-2.4m
min. Earth dist.	-8716 Feb 12 j 13:24	9°♊51'38	0.44456 AU
direct	-8716 Mar 11 j 07:19	4°♊59'44	
	-8716 May 20 j 02:02	0°♋	
desc. node	-8716 Jun 02 j 09:12	8°♋07'47	
	-8716 Jul 05 j 04:22	0°♌	
	-8716 Aug 16 j 09:55	0°♍	
	-8716 Sep 27 j 03:21	0°♎	
	-8716 Nov 08 j 16:12	0°♏	
	-8716 Dec 22 j 14:35	0°♐	
	-8715 Feb 06 j 00:33	0°♑	
evening set	-8715 Feb 08 j 02:14	1°♑20'52	
	-8715 Mar 24 j 12:43	0°♒	
conjunction	-8715 Mar 29 j 05:30	3°♒00'28	-0°26'21
minimum elong	-8715 Mar 29 j 06:31	3°♒02'05	0°26'51
max. Earth dist.	-8715 Apr 01 j 13:41	5°♒08'41	2.66369 AU
	-8715 May 10 j 11:04	0°♓	
morning rise	-8715 May 15 j 05:01	3°♓02'18	
asc. node	-8715 May 15 j 01:13	2°♓56'13	
	-8715 Jun 26 j 04:00	0°♈	
	-8715 Aug 11 j 08:04	0°♉	
	-8715 Sep 26 j 03:42	0°♊	
	-8715 Nov 11 j 08:43	0°♋	
	-8715 Dec 30 j 05:11	0°♌	
retrograde	-8714 Mar 20 j 07:17	29°♌24'18	
min. Earth dist.	-8714 Apr 18 j 06:38	24°♌37'32	0.38213 AU
opposition	-8714 Apr 20 j 12:21	24°♌01'11	0°00'21
greatest brilliancy	-8714 Apr 20 j 12:25	24°♌01'09	-3.0m
desc. node	-8714 Apr 20 j 14:06	24°♌00'00	
direct	-8714 May 20 j 16:18	18°♌56'48	
	-8714 Jul 04 j 09:44	0°♍	
	-8714 Aug 28 j 21:25	0°♎	
	-8714 Oct 15 j 18:00	0°♏	
	-8714 Dec 01 j 13:51	0°♐	
	-8713 Jan 17 j 15:49	0°♑	
	-8713 Mar 06 j 00:35	0°♒	
evening set	-8713 Mar 20 j 05:24	9°♒00'14	
asc. node	-8713 Apr 01 j 18:53	16°♒59'34	
	-8713 Apr 22 j 03:20	0°♓	
max. Earth dist.	-8713 Apr 25 j 15:23	2°♓14'56	2.65557 AU
conjunction	-8713 May 06 j 19:02	9°♓26'05	0°20'01
minimum elong	-8713 May 06 j 18:18	9°♓24'53	0°19'45
	-8713 Jun 07 j 07:55	0°♈	
morning rise	-8713 Jun 22 j 02:34	9°♈47'04	
	-8713 Jul 22 j 03:26	0°♉	
	-8713 Sep 03 j 12:05	0°♊	
	-8713 Oct 15 j 15:20	0°♋	
	-8713 Nov 26 j 01:04	0°♌	
	-8712 Jan 06 j 14:10	0°♍	
	-8712 Feb 19 j 05:18	0°♎	
desc. node	-8712 Mar 07 j 15:17	10°♎58'08	
	-8712 Apr 12 j 19:17	0°♏	
retrograde	-8712 May 21 j 11:46	9°♏08'59	
min. Earth dist.	-8712 Jun 19 j 04:28	3°♏34'54	0.47691 AU
greatest brilliancy	-8712 Jun 25 j 18:07	1°♏16'35	-2.3m
opposition	-8712 Jun 27 j 07:57	0°♏43'07	-5°38'55
	-8712 Jun 29 j 09:13	30°℞♎	
direct	-8712 Jul 30 j 14:24	23°♎50'52	
	-8712 Sep 01 j 17:46	0°♏	
	-8712 Nov 04 j 10:05	0°♐	
	-8712 Dec 26 j 06:42	0°♑	

	-8711 Feb 13 j 17:01	0°♒	
asc. node	-8711 Feb 16 j 17:18	1°♒51'26	
	-8711 Apr 02 j 15:45	0°♓	
evening set	-8711 Apr 27 j 11:20	15°♓56'34	
	-8711 May 18 j 21:57	0°♈	
max. Earth dist.	-8711 May 21 j 05:36	1°♈32'14	2.59508 AU
conjunction	-8711 Jun 14 j 20:42	18°♈05'18	0°59'45
minimum elong	-8711 Jun 14 j 19:11	18°♈02'42	0°59'51
	-8711 Jul 02 j 04:56	0°♉	
morning rise	-8711 Aug 02 j 16:42	22°♉11'28	
	-8711 Aug 13 j 13:01	0°♊	
	-8711 Sep 23 j 05:52	0°♋	
	-8711 Nov 01 j 21:02	0°♌	
	-8711 Dec 11 j 04:24	0°♍	
	-8710 Jan 20 j 02:56	0°♎	
desc. node	-8710 Jan 23 j 13:05	2°♎31'11	
	-8710 Mar 03 j 02:44	0°♏	
	-8710 Apr 19 j 03:50	0°♐	
retrograde	-8710 Jul 04 j 19:18	27°♐27'53	
min. Earth dist.	-8710 Aug 07 j 20:06	19°♐46'31	0.59223 AU
greatest brilliancy	-8710 Aug 12 j 09:13	17°♐58'45	-1.7m
opposition	-8710 Aug 13 j 05:42	17°♐38'29	-4°53'04
direct	-8710 Sep 19 j 03:51	9°♐06'20	
	-8710 Nov 27 j 21:56	0°♑	
asc. node	-8709 Jan 04 j 19:40	19°♑42'58	
	-8709 Jan 23 j 01:03	0°♒	
	-8709 Mar 14 j 04:43	0°♓	
	-8709 Apr 30 j 04:11	0°♈	
evening set	-8709 Jun 09 j 09:39	27°♈10'35	
	-8709 Jun 13 j 11:06	0°♉	
max. Earth dist.	-8709 Jun 25 j 07:58	8°♉20'07	2.48942 AU
	-8709 Jul 25 j 09:15	0°♊	
conjunction	-8709 Jul 31 j 19:37	4°♊44'10	1°10'48
minimum elong	-8709 Jul 31 j 20:29	4°♊45'47	1°11'16
	-8709 Sep 03 j 10:37	0°♋	
morning rise	-8709 Sep 26 j 09:21	17°♋37'48	
	-8709 Oct 12 j 08:00	0°♌	
	-8709 Nov 19 j 20:53	0°♍	
desc. node	-8709 Dec 11 j 08:58	16°♍36'46	
	-8709 Dec 28 j 22:11	0°♎	
	-8708 Feb 07 j 10:27	0°♏	
	-8708 Mar 21 j 12:26	0°♐	
	-8708 May 08 j 05:09	0°♑	
	-8708 Jul 10 j 17:00	0°♒	
retrograde	-8708 Aug 09 j 09:16	4°♒59'24	
	-8708 Sep 05 j 15:35	30°℞♑	
min. Earth dist.	-8708 Sep 16 j 14:49	25°♑48'25	0.65715 AU
opposition	-8708 Sep 18 j 07:42	25°♑07'09	-2°25'39
greatest brilliancy	-8708 Sep 18 j 04:51	25°♑10'02	-1.4m
direct	-8708 Oct 27 j 18:32	15°♑37'49	
asc. node	-8708 Nov 22 j 00:12	19°♑07'33	
	-8708 Dec 22 j 17:47	0°♒	
	-8707 Feb 19 j 01:50	0°♓	
	-8707 Apr 09 j 06:16	0°♈	
	-8707 May 24 j 04:48	0°♉	
	-8707 Jul 05 j 03:47	0°♊	
evening set	-8707 Jul 30 j 17:16	19°♊06'30	
	-8707 Aug 13 j 23:44	0°♋	
max. Earth dist.	-8707 Sep 17 j 02:15	26°♋29'20	2.38223 AU
	-8707 Sep 21 j 13:48	0°♌	
conjunction	-8707 Sep 29 j 02:25	5°♌54'13	0°21'47
minimum elong	-8707 Sep 29 j 04:20	5°♌57'59	0°22'14
desc. node	-8707 Oct 28 j 02:17	28°♌38'55	
	-8707 Oct 29 j 19:46	0°♍	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

morning rise	-8707 Dec 03 j 21:39	27°♍09'38	
	-8707 Dec 07 j 14:53	0°♎	
	-8706 Jan 16 j 18:54	0°♏	
	-8706 Feb 28 j 01:00	0°♐	
	-8706 Apr 14 j 02:14	0°♑	
	-8706 Jun 02 j 07:38	0°♒	
	-8706 Aug 02 j 03:56	0°♓	
retrograde	-8706 Sep 13 j 11:29	9°♓05'02	
asc. node	-8706 Oct 10 j 04:18	4°♓25'59	
opposition	-8706 Oct 22 j 17:48	29°♒43'10	0°29'21
	-8706 Oct 22 j 00:54	30°R♒	
greatest brilliancy	-8706 Oct 22 j 18:25	29°♒42'32	-1.4m
min. Earth dist.	-8706 Oct 24 j 18:12	28°♒54'50	0.66127 AU
direct	-8706 Dec 02 j 13:16	19°♒45'38	
	-8705 Jan 16 j 22:01	0°♓	
	-8705 Mar 17 j 01:07	0°♈	
	-8705 May 03 j 08:13	0°♉	
	-8705 Jun 15 j 01:21	0°♊	
	-8705 Jul 25 j 02:42	0°♋	
	-8705 Sep 01 j 18:06	0°♌	
desc. node	-8705 Sep 14 j 21:37	10°♌18'31	
evening set	-8705 Oct 03 j 11:44	24°♌52'50	
	-8705 Oct 10 j 00:58	0°♍	
	-8705 Nov 17 j 21:49	0°♎	
conjunction	-8705 Dec 05 j 14:00	13°♎19'47	-0°53'55
minimum elong	-8705 Dec 05 j 10:57	13°♎14'05	0°53'56
	-8705 Dec 28 j 03:43	0°♏	
max. Earth dist.	-8704 Jan 18 j 22:18	15°♏40'28	2.47307 AU
morning rise	-8704 Feb 04 j 09:26	27°♏15'18	
	-8704 Feb 08 j 08:14	0°♐	
	-8704 Mar 23 j 18:42	0°♑	
	-8704 May 09 j 15:49	0°♒	
	-8704 Jun 28 j 17:31	0°♓	
	-8704 Aug 25 j 18:59	0°♈	
asc. node	-8704 Aug 27 j 05:44	0°♈37'41	
retrograde	-8704 Oct 21 j 02:11	14°♈37'12	
opposition	-8704 Nov 27 j 14:02	6°♈10'18	3°33'21
greatest brilliancy	-8704 Nov 28 j 05:01	5°♈55'54	-1.6m
min. Earth dist.	-8704 Dec 03 j 05:19	4°♈00'18	0.60426 AU
	-8704 Dec 14 j 17:31	30°R♓	
direct	-8703 Jan 07 j 06:11	26°♓19'24	
	-8703 Feb 01 j 07:20	0°♈	
	-8703 Apr 06 j 11:05	0°♉	
	-8703 May 22 j 08:50	0°♊	
	-8703 Jul 02 j 15:25	0°♋	
desc. node	-8703 Aug 01 j 21:49	23°♋02'19	
	-8703 Aug 10 j 22:26	0°♌	
	-8703 Sep 18 j 17:04	0°♍	
	-8703 Oct 28 j 00:53	0°♎	
evening set	-8703 Dec 04 j 07:31	27°♎32'16	
	-8703 Dec 07 j 17:14	0°♏	
	-8702 Jan 19 j 05:59	0°♐	
conjunction	-8702 Jan 29 j 08:06	6°♐55'01	-1°10'44
minimum elong	-8702 Jan 29 j 08:54	6°♐56'23	1°11'13
max. Earth dist.	-8702 Feb 24 j 19:56	24°♐45'08	2.58595 AU
	-8702 Mar 04 j 18:04	0°♑	
morning rise	-8702 Mar 22 j 22:32	11°♑55'02	
	-8702 Apr 20 j 00:25	0°♒	
	-8702 Jun 06 j 17:56	0°♓	
asc. node	-8702 Jul 15 j 02:12	23°♓24'39	
	-8702 Jul 26 j 03:21	0°♈	
	-8702 Sep 17 j 10:52	0°♉	
retrograde	-8702 Dec 09 j 07:38	27°♉39'01	
opposition	-8701 Jan 12 j 16:51	20°♉43'29	6°04'17
greatest brilliancy	-8701 Jan 14 j 08:56	20°♉08'50	-2.1m
min. Earth dist.	-8701 Jan 20 j 21:51	17°♉54'17	0.49392 AU
direct	-8701 Feb 19 j 14:23	12°♉14'51	
	-8701 Apr 18 j 03:14	0°♊	
	-8701 Jun 05 j 18:01	0°♋	
desc. node	-8701 Jun 20 j 01:07	9°♋56'25	
	-8701 Jul 17 j 20:10	0°♌	
	-8701 Aug 27 j 07:41	0°♍	
	-8701 Oct 06 j 22:42	0°♎	
	-8701 Nov 17 j 16:29	0°♏	
	-8701 Dec 31 j 01:09	0°♐	
evening set	-8700 Jan 23 j 05:50	15°♐34'51	
	-8700 Feb 14 j 01:57	0°♑	
conjunction	-8700 Mar 13 j 16:09	18°♑35'13	-0°42'45
minimum elong	-8700 Mar 13 j 17:39	18°♑37'38	0°43'17
max. Earth dist.	-8700 Mar 23 j 03:08	24°♑40'44	2.65229 AU
	-8700 Mar 31 j 09:59	0°♒	
morning rise	-8700 Apr 30 j 15:07	19°♒18'19	
	-8700 May 17 j 10:17	0°♓	
asc. node	-8700 May 31 j 19:15	9°♓08'52	
	-8700 Jul 03 j 13:31	0°♈	
	-8700 Aug 19 j 17:15	0°♉	
	-8700 Oct 06 j 12:56	0°♊	
	-8700 Nov 26 j 08:23	0°♋	
retrograde	-8699 Feb 17 j 02:07	29°♋21'40	
opposition	-8699 Mar 19 j 20:42	24°♋13'28	3°38'36
greatest brilliancy	-8699 Mar 20 j 10:47	24°♋03'51	-2.9m
min. Earth dist.	-8699 Mar 22 j 22:08	23°♋23'27	0.38724 AU
direct	-8699 Apr 20 j 07:49	18°♋45'37	
desc. node	-8699 May 07 j 04:50	20°♋36'49	
	-8699 Jun 03 j 13:29	0°♌	
	-8699 Jul 26 j 23:30	0°♍	
	-8699 Sep 10 j 18:09	0°♎	
	-8699 Oct 25 j 12:23	0°♏	
	-8699 Dec 09 j 19:45	0°♐	
	-8698 Jan 25 j 01:43	0°♑	
evening set	-8698 Mar 05 j 00:19	24°♑54'12	
	-8698 Mar 13 j 00:13	0°♒	
max. Earth dist.	-8698 Apr 16 j 06:23	21°♒50'58	2.66524 AU
asc. node	-8698 Apr 18 j 12:09	23°♒16'57	
conjunction	-8698 Apr 21 j 21:37	25°♒27'16	0°01'59
minimum elong	-8698 Apr 21 j 21:36	25°♒27'13	0°01'37
behind sun begin	-8698 Apr 21 j 02:12	24°♒56'13	
behind sun end	-8698 Apr 22 j 16:59	25°♒58'14	
	-8698 Apr 28 j 23:51	0°♓	
morning rise	-8698 Jun 07 j 03:13	25°♓18'18	
	-8698 Jun 14 j 07:39	0°♈	
	-8698 Jul 29 j 13:10	0°♉	
	-8698 Sep 11 j 14:55	0°♊	
	-8698 Oct 24 j 19:20	0°♋	
	-8698 Dec 06 j 16:33	0°♌	
	-8697 Jan 19 j 15:39	0°♍	
	-8697 Mar 10 j 20:40	0°♎	
desc. node	-8697 Mar 25 j 09:20	6°♎40'53	
retrograde	-8697 Apr 30 j 21:46	14°♎58'00	
min. Earth dist.	-8697 May 28 j 02:22	10°♎09'16	0.42850 AU
greatest brilliancy	-8697 Jun 03 j 10:23	8°♎07'59	-2.6m
opposition	-8697 Jun 04 j 17:49	7°♎42'45	-4°35'12
direct	-8697 Jul 06 j 06:46	1°♎42'16	
	-8697 Sep 25 j 09:12	0°♏	
	-8697 Nov 16 j 10:45	0°♐	
	-8696 Jan 04 j 16:58	0°♑	
	-8696 Feb 22 j 02:33	0°♒	
asc. node	-8696 Mar 05 j 08:00	7°♒39'12	
	-8696 Apr 09 j 15:22	0°♓	
evening set	-8696 Apr 12 j 01:59	1°♓33'45	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

max. Earth dist.	-8696 May 10 j 11:26	19°♓54'54	2.62482 AU
	-8696 May 25 j 19:41	0°♈	
conjunction	-8696 May 29 j 20:04	2°♈39'37	0°46'16
minimum elong	-8696 May 29 j 18:35	2°♈37'10	0°46'13
	-8696 Jul 09 j 06:27	0°♉	
morning rise	-8696 Jul 16 j 04:30	4°♉47'04	
	-8696 Aug 20 j 22:22	0°♊	
	-8696 Oct 01 j 02:02	0°♋	
	-8696 Nov 10 j 05:36	0°♌	
	-8696 Dec 20 j 02:52	0°♍	
	-8695 Jan 29 j 19:56	0°♎	
desc. node	-8695 Feb 09 j 08:59	7°♎31'40	
	-8695 Mar 14 j 09:22	0°♏	
	-8695 May 06 j 21:41	0°♐	
retrograde	-8695 Jun 18 j 23:25	10°♐41'03	
min. Earth dist.	-8695 Jul 20 j 23:34	3°♐45'52	0.55131 AU
greatest brilliancy	-8695 Jul 26 j 12:05	1°♐38'36	-1.9m
opposition	-8695 Jul 27 j 17:25	1°♐10'18	-5°31'59
	-8695 Jul 30 j 19:18	30°℞♏	
direct	-8695 Sep 01 j 08:00	23°♏11'14	
	-8695 Oct 06 j 23:55	0°♐	
	-8695 Dec 10 j 06:41	0°♑	
asc. node	-8694 Jan 21 j 08:56	23°♑55'32	
	-8694 Jan 31 j 15:15	0°♒	
	-8694 Mar 21 j 16:16	0°♓	
	-8694 May 07 j 06:58	0°♈	
evening set	-8694 May 22 j 23:27	10°♈27'19	
max. Earth dist.	-8694 Jun 09 j 20:40	22°♈36'48	2.53497 AU
	-8694 Jun 20 j 12:58	0°♉	
conjunction	-8694 Jul 12 j 08:02	15°♉22'07	1°11'56
minimum elong	-8694 Jul 12 j 07:31	15°♉21'12	1°12'17
	-8694 Aug 01 j 14:02	0°♊	
morning rise	-8694 Sep 03 j 02:53	24°♊09'30	
	-8694 Sep 10 j 20:23	0°♋	
	-8694 Oct 19 j 23:19	0°♌	
	-8694 Nov 27 j 17:42	0°♍	
desc. node	-8694 Dec 28 j 03:57	23°♍18'18	
	-8693 Jan 06 j 00:40	0°♎	
	-8693 Feb 15 j 21:07	0°♏	
	-8693 Mar 31 j 18:29	0°♐	
	-8693 May 21 j 09:54	0°♑	
retrograde	-8693 Jul 27 j 15:06	21°♑16'25	
min. Earth dist.	-8693 Sep 02 j 08:44	12°♑36'30	0.63866 AU
opposition	-8693 Sep 05 j 12:44	11°♑20'01	-3°27'53
greatest brilliancy	-8693 Sep 05 j 04:28	11°♑28'20	-1.5m
direct	-8693 Oct 14 j 02:48	2°♑09'26	
asc. node	-8693 Dec 09 j 13:22	16°♑45'10	
	-8692 Jan 06 j 08:38	0°♒	
	-8692 Feb 28 j 22:05	0°♓	
	-8692 Apr 16 j 23:23	0°♈	
	-8692 May 31 j 13:59	0°♉	
evening set	-8692 Jul 08 j 20:10	27°♉19'21	
	-8692 Jul 12 j 11:43	0°♊	
max. Earth dist.	-8692 Jul 30 j 00:54	13°♊02'47	2.41554 AU
	-8692 Aug 21 j 09:02	0°♋	
conjunction	-8692 Sep 03 j 20:03	10°♋22'12	0°49'01
minimum elong	-8692 Sep 03 j 22:57	10°♋27'47	0°49'33
	-8692 Sep 29 j 00:58	0°♌	
morning rise	-8692 Nov 06 j 01:48	29°♌46'58	
	-8692 Nov 06 j 08:29	0°♍	
desc. node	-8692 Nov 13 j 21:59	5°♍53'39	
	-8692 Dec 15 j 04:40	0°♎	
	-8691 Jan 24 j 09:52	0°♏	
	-8691 Mar 07 j 20:03	0°♐	
	-8691 Apr 22 j 11:25	0°♑	
	-8691 Jun 12 j 22:49	0°♒	
retrograde	-8691 Aug 30 j 17:29	26°♒05'29	
opposition	-8691 Oct 09 j 08:53	16°♒28'54	-0°40'19
greatest brilliancy	-8691 Oct 09 j 09:29	16°♒28'18	-1.4m
min. Earth dist.	-8691 Oct 09 j 22:25	16°♒15'19	0.66699 AU
asc. node	-8691 Oct 26 j 18:28	10°♒07'27	
direct	-8691 Nov 18 j 18:54	6°♒39'13	
	-8690 Feb 01 j 11:43	0°♓	
	-8690 Mar 26 j 11:29	0°♈	
	-8690 May 11 j 12:39	0°♉	
	-8690 Jun 22 j 20:15	0°♊	
	-8690 Aug 01 j 18:24	0°♋	
evening set	-8690 Sep 07 j 04:51	28°♋19'06	
	-8690 Sep 09 j 08:19	0°♌	
desc. node	-8690 Oct 01 j 16:50	17°♌33'25	
	-8690 Oct 17 j 13:48	0°♍	
conjunction	-8690 Nov 09 j 22:11	18°♍09'09	-0°28'51
minimum elong	-8690 Nov 09 j 19:42	18°♍04'22	0°28'38
	-8690 Nov 25 j 08:49	0°♎	
max. Earth dist.	-8690 Dec 25 j 16:32	22°♎46'29	2.42289 AU
	-8689 Jan 04 j 12:27	0°♏	
morning rise	-8689 Jan 13 j 02:32	6°♏14'29	
	-8689 Feb 15 j 15:39	0°♐	
	-8689 Apr 01 j 04:33	0°♑	
	-8689 May 18 j 15:07	0°♒	
	-8689 Jul 09 j 18:03	0°♓	
asc. node	-8689 Sep 13 j 21:26	27°♓40'16	
	-8689 Sep 27 j 06:51	0°♈	
retrograde	-8689 Oct 06 j 07:27	0°♈29'14	
	-8689 Oct 15 j 00:13	30°℞♓	
opposition	-8689 Nov 13 j 15:16	21°♓37'21	2°21'58
greatest brilliancy	-8689 Nov 13 j 22:28	21°♓30'18	-1.5m
min. Earth dist.	-8689 Nov 17 j 21:13	19°♓57'27	0.63371 AU
direct	-8689 Dec 24 j 13:48	11°♓38'11	
	-8688 Feb 25 j 05:00	0°♈	
	-8688 Apr 17 j 09:51	0°♉	
	-8688 May 31 j 11:55	0°♊	
	-8688 Jul 11 j 02:37	0°♋	
desc. node	-8688 Aug 18 j 14:17	29°♋38'56	
	-8688 Aug 19 j 01:07	0°♌	
	-8688 Sep 26 j 13:20	0°♍	
	-8688 Nov 04 j 15:20	0°♎	
evening set	-8688 Nov 11 j 07:49	5°♎02'40	
	-8688 Dec 15 j 02:03	0°♏	
conjunction	-8687 Jan 09 j 08:28	18°♏04'48	-1°11'32
minimum elong	-8687 Jan 09 j 07:50	18°♏03'40	1°11'55
	-8687 Jan 26 j 10:04	0°♐	
max. Earth dist.	-8687 Feb 12 j 06:23	11°♐32'55	2.54639 AU
morning rise	-8687 Mar 05 j 18:33	25°♐59'40	
	-8687 Mar 11 j 19:39	0°♑	
	-8687 Apr 27 j 04:50	0°♒	
	-8687 Jun 14 j 12:41	0°♓	
asc. node	-8687 Jul 31 j 19:46	27°♓46'59	
	-8687 Aug 04 j 18:45	0°♈	
	-8687 Oct 05 j 06:17	0°♉	
retrograde	-8687 Nov 18 j 04:52	9°♉34'32	
opposition	-8687 Dec 23 j 23:16	1°♉57'29	5°16'36
greatest brilliancy	-8687 Dec 25 j 06:11	1°♉29'12	-1.9m
	-8687 Dec 29 j 07:32	30°℞♈	
min. Earth dist.	-8687 Dec 31 j 11:26	29°♈13'12	0.54214 AU
direct	-8686 Feb 01 j 09:35	22°♈42'42	
	-8686 Mar 08 j 18:41	0°♉	
	-8686 May 04 j 11:57	0°♊	
	-8686 Jun 17 j 06:42	0°♋	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

desc. node	-8686 Jul 06 j 17:23	14°♋15'28	
	-8686 Jul 27 j 17:22	0°♌	
	-8686 Sep 05 j 06:10	0°♍	
	-8686 Oct 15 j 04:40	0°♎	
	-8686 Nov 25 j 09:21	0°♏	
evening set	-8685 Jan 05 j 04:36	28°♏32'03	
	-8685 Jan 07 j 08:00	0°♐	
	-8685 Feb 21 j 02:02	0°♑	
conjunction	-8685 Feb 26 j 09:32	3°♑29'23	-0°56'45
minimum elong	-8685 Feb 26 j 11:11	3°♑32'05	0°57'18
max. Earth dist.	-8685 Mar 14 j 02:43	13°♑44'35	2.63261 AU
	-8685 Apr 08 j 07:44	0°♒	
morning rise	-8685 Apr 16 j 18:14	5°♒24'02	
	-8685 May 25 j 12:00	0°♓	
asc. node	-8685 Jun 18 j 13:25	15°♓09'30	
	-8685 Jul 12 j 06:02	0°♈	
	-8685 Aug 29 j 21:17	0°♉	
	-8685 Oct 20 j 09:28	0°♊	
	-8685 Dec 29 j 16:26	0°♋	
retrograde	-8684 Jan 18 j 13:57	2°♋16'57	
	-8684 Feb 06 j 19:33	30°℞♊	
opposition	-8684 Feb 19 j 09:01	26°♊35'53	5°47'24
greatest brilliancy	-8684 Feb 20 j 21:47	26°♊08'23	-2.6m
min. Earth dist.	-8684 Feb 26 j 07:23	24°♊32'02	0.41984 AU
direct	-8684 Mar 24 j 14:54	19°♊57'18	
	-8684 May 04 j 15:03	0°♋	
desc. node	-8684 May 23 j 22:27	9°♋37'01	
	-8684 Jun 26 j 12:36	0°♌	
	-8684 Aug 09 j 14:08	0°♍	
	-8684 Sep 21 j 06:03	0°♎	
	-8684 Nov 03 j 08:27	0°♏	
	-8684 Dec 17 j 15:42	0°♐	
	-8683 Feb 01 j 07:03	0°♑	
evening set	-8683 Feb 17 j 08:59	10°♑23'52	
	-8683 Mar 19 j 22:05	0°♒	
conjunction	-8683 Apr 06 j 23:08	11°♒31'52	-0°16'09
minimum elong	-8683 Apr 06 j 23:46	11°♒32'53	0°16'36
max. Earth dist.	-8683 Apr 07 j 02:19	11°♒36'56	2.66659 AU
asc. node	-8683 May 05 j 05:33	29°♒36'13	
	-8683 May 05 j 20:25	0°♓	
morning rise	-8683 May 23 j 13:17	11°♓21'43	
	-8683 Jun 21 j 09:35	0°♈	
	-8683 Aug 06 j 04:30	0°♉	
	-8683 Sep 20 j 06:06	0°♊	
	-8683 Nov 04 j 01:36	0°♋	
	-8683 Dec 19 j 18:18	0°♌	
	-8682 Feb 08 j 16:59	0°♍	
retrograde	-8682 Apr 05 j 11:22	16°♍50'41	
desc. node	-8682 Apr 11 j 01:50	16°♍37'42	
min. Earth dist.	-8682 May 03 j 01:17	12°♍16'34	0.39232 AU
opposition	-8682 May 07 j 20:39	10°♍54'09	-2°02'44
greatest brilliancy	-8682 May 07 j 10:03	11°♍01'45	-2.9m
direct	-8682 Jun 07 j 05:57	5°♍37'56	
	-8682 Aug 18 j 12:39	0°♎	
	-8682 Oct 08 j 20:27	0°♏	
	-8682 Nov 25 j 22:52	0°♐	
	-8681 Jan 12 j 15:17	0°♑	
	-8681 Mar 01 j 07:24	0°♒	
asc. node	-8681 Mar 23 j 00:26	13°♒43'39	
evening set	-8681 Mar 28 j 22:06	17°♒28'31	
	-8681 Apr 17 j 13:15	0°♓	
max. Earth dist.	-8681 May 01 j 08:23	8°♓52'27	2.64689 AU
conjunction	-8681 May 15 j 10:54	18°♓01'03	0°30'08
minimum elong	-8681 May 15 j 09:49	17°♓59'18	0°29'56
	-8681 Jun 02 j 17:42	0°♈	
morning rise	-8681 Jun 30 j 23:31	18°♈50'00	
	-8681 Jul 17 j 10:14	0°♉	
	-8681 Aug 29 j 12:32	0°♊	
	-8681 Oct 10 j 06:26	0°♋	
	-8681 Nov 20 j 03:12	0°♌	
	-8681 Dec 30 j 21:46	0°♍	
	-8680 Feb 11 j 00:44	0°♎	
desc. node	-8680 Feb 27 j 02:52	10°♎49'29	
	-8680 Mar 29 j 09:03	0°♏	
retrograde	-8680 Jun 01 j 11:35	21°♏39'49	
min. Earth dist.	-8680 Jul 01 j 07:59	15°♏36'06	0.50438 AU
greatest brilliancy	-8680 Jul 07 j 15:04	13°♏18'04	-2.1m
opposition	-8680 Jul 09 j 03:26	12°♏44'34	-5°47'41
direct	-8680 Aug 12 j 06:59	5°♏26'04	
	-8680 Oct 26 j 23:36	0°♐	
	-8680 Dec 20 j 08:54	0°♑	
asc. node	-8679 Feb 06 j 23:48	28°♑59'52	
	-8679 Feb 08 j 15:16	0°♒	
	-8679 Mar 28 j 22:14	0°♓	
evening set	-8679 May 06 j 13:41	24°♓54'12	
	-8679 May 14 j 07:18	0°♈	
max. Earth dist.	-8679 May 28 j 01:04	9°♈09'10	2.57548 AU
conjunction	-8679 Jun 24 j 12:15	27°♈51'48	1°05'46
minimum elong	-8679 Jun 24 j 10:55	27°♈49'29	1°05'58
	-8679 Jun 27 j 14:17	0°♉	
	-8679 Aug 08 j 20:05	0°♊	
morning rise	-8679 Aug 13 j 11:35	3°♊22'49	
	-8679 Sep 18 j 09:22	0°♋	
	-8679 Oct 27 j 19:56	0°♌	
	-8679 Dec 05 j 21:52	0°♍	
desc. node	-8678 Jan 14 j 00:24	29°♍36'01	
	-8678 Jan 14 j 13:17	0°♎	
	-8678 Feb 24 j 23:21	0°♏	
	-8678 Apr 11 j 08:43	0°♐	
	-8678 Jun 09 j 07:18	0°♑	
retrograde	-8678 Jul 13 j 08:29	6°♑43'24	
	-8678 Aug 13 j 23:13	30°℞♐	
min. Earth dist.	-8678 Aug 17 j 09:40	28°♐39'38	0.61108 AU
greatest brilliancy	-8678 Aug 21 j 08:50	27°♐04'43	-1.6m
opposition	-8678 Aug 22 j 00:34	26°♐49'01	-4°24'30
direct	-8678 Sep 28 j 13:58	18°♐01'45	
	-8678 Nov 17 j 13:07	0°♑	
asc. node	-8678 Dec 26 j 03:15	18°♑12'52	
	-8677 Jan 16 j 22:48	0°♒	
	-8677 Mar 09 j 01:50	0°♓	
	-8677 Apr 25 j 09:36	0°♈	
	-8677 Jun 08 j 19:23	0°♉	
evening set	-8677 Jun 19 j 23:43	7°♉50'40	
max. Earth dist.	-8677 Jul 06 j 02:32	19°♉21'12	2.46253 AU
	-8677 Jul 20 j 17:29	0°♊	
conjunction	-8677 Aug 12 j 20:51	17°♊12'40	1°05'57
minimum elong	-8677 Aug 12 j 22:39	17°♊16'02	1°06'27
	-8677 Aug 29 j 17:34	0°♋	
	-8677 Oct 07 j 12:55	0°♌	
morning rise	-8677 Oct 10 j 20:55	2°♌36'00	
	-8677 Nov 14 j 23:33	0°♍	
desc. node	-8677 Dec 01 j 17:41	12°♍59'30	
	-8677 Dec 23 j 22:27	0°♎	
	-8676 Feb 02 j 06:57	0°♏	
	-8676 Mar 16 j 00:43	0°♐	
	-8676 May 01 j 16:29	0°♑	
	-8676 Jun 26 j 22:55	0°♒	
retrograde	-8676 Aug 17 j 04:16	13°♒01'45	
min. Earth dist.	-8676 Sep 25 j 03:35	3°♒35'53	0.66332 AU

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

opposition	-8676 Sep 26 j 01:20	3°♒13'56	-1°47'48
greatest brilliancy	-8676 Sep 26 j 00:27	3°♒14'49	-1.4m
	-8676 Oct 04 j 06:31	30°℞♑	
direct	-8676 Nov 04 j 21:40	23°♑36'19	
asc. node	-8676 Nov 12 j 08:14	23°♑56'22	
	-8676 Dec 10 j 00:38	0°♒	
	-8675 Feb 12 j 18:35	0°♓	
	-8675 Apr 04 j 00:40	0°♈	
	-8675 May 19 j 07:59	0°♉	
	-8675 Jun 30 j 09:59	0°♊	
	-8675 Aug 09 j 06:43	0°♋	
evening set	-8675 Aug 13 j 01:21	2°♋54'17	
	-8675 Sep 16 j 20:23	0°♌	
conjunction	-8675 Oct 14 j 03:21	21°♌26'13	0°03'22
minimum elong	-8675 Oct 14 j 03:40	21°♌26'51	0°03'45
behind sun begin	-8675 Oct 13 j 00:45	20°♌34'03	
behind sun end	-8675 Oct 15 j 06:35	22°♌19'38	
desc. node	-8675 Oct 18 j 11:51	24°♌51'14	
	-8675 Oct 25 j 01:32	0°♍	
max. Earth dist.	-8675 Nov 06 j 17:16	9°♍52'22	2.38376 AU
	-8675 Dec 02 j 19:51	0°♎	
morning rise	-8675 Dec 19 j 03:53	12°♎22'13	
	-8674 Jan 11 j 22:41	0°♏	
	-8674 Feb 23 j 02:22	0°♐	
	-8674 Apr 08 j 20:57	0°♑	
	-8674 May 27 j 05:25	0°♒	
	-8674 Jul 22 j 06:02	0°♓	
retrograde	-8674 Sep 21 j 14:45	17°♓03'19	
asc. node	-8674 Sep 30 j 11:57	16°♓32'33	
opposition	-8674 Oct 30 j 14:03	7°♓51'03	1°10'26
greatest brilliancy	-8674 Oct 30 j 16:14	7°♓48'53	-1.4m
min. Earth dist.	-8674 Nov 02 j 09:20	6°♓44'14	0.65418 AU
	-8674 Nov 22 j 11:59	30°℞♒	
direct	-8674 Dec 10 j 11:57	27°♒51'28	
	-8674 Dec 29 j 18:04	0°♓	
	-8673 Mar 10 j 05:46	0°♈	
	-8673 Apr 27 j 19:31	0°♉	
	-8673 Jun 09 j 22:47	0°♊	
	-8673 Jul 20 j 04:38	0°♋	
	-8673 Aug 27 j 22:12	0°♌	
desc. node	-8673 Sep 05 j 09:30	6°♌37'51	
	-8673 Oct 05 j 06:14	0°♍	
evening set	-8673 Oct 18 j 05:10	10°♍04'16	
	-8673 Nov 13 j 03:58	0°♎	
conjunction	-8673 Dec 19 j 04:19	26°♎53'41	-1°03'20
minimum elong	-8673 Dec 19 j 01:56	26°♎49'19	1°03'30
	-8673 Dec 23 j 10:17	0°♏	
max. Earth dist.	-8672 Jan 29 j 10:03	26°♏23'21	2.50017 AU
	-8672 Feb 03 j 14:37	0°♐	
morning rise	-8672 Feb 16 j 00:19	8°♐32'29	
	-8672 Mar 18 j 23:16	0°♑	
	-8672 May 04 j 14:06	0°♒	
	-8672 Jun 22 j 19:58	0°♓	
	-8672 Aug 16 j 08:21	0°♈	
asc. node	-8672 Aug 17 j 11:49	0°♈34'06	
retrograde	-8672 Oct 30 j 18:42	23°♈35'10	
opposition	-8672 Dec 06 j 17:06	15°♈24'14	4°12'59
greatest brilliancy	-8672 Dec 07 j 13:27	15°♈04'56	-1.7m
min. Earth dist.	-8672 Dec 13 j 01:28	12°♈59'56	0.58430 AU
direct	-8671 Jan 16 j 01:19	5°♈42'30	
	-8671 Mar 29 j 03:34	0°♉	
	-8671 May 16 j 02:16	0°♊	
	-8671 Jun 27 j 00:45	0°♋	
desc. node	-8671 Jul 23 j 09:59	19°♋52'25	
	-8671 Aug 05 j 15:39	0°♌	
	-8671 Sep 13 j 15:20	0°♍	
	-8671 Oct 23 j 03:07	0°♎	
	-8671 Dec 02 j 22:29	0°♏	
evening set	-8671 Dec 16 j 09:18	9°♏36'56	
	-8670 Jan 14 j 13:22	0°♐	
conjunction	-8670 Feb 08 j 22:24	17°♐14'44	-1°07'05
minimum elong	-8670 Feb 08 j 23:43	17°♐16'56	1°07'37
	-8670 Feb 28 j 02:14	0°♑	
max. Earth dist.	-8670 Mar 03 j 10:38	2°♑12'33	2.60451 AU
morning rise	-8670 Apr 01 j 05:49	20°♑58'24	
	-8670 Apr 15 j 07:07	0°♒	
	-8670 Jun 01 j 18:13	0°♓	
asc. node	-8670 Jul 05 j 06:53	20°♓46'06	
	-8670 Jul 20 j 10:00	0°♈	
	-8670 Sep 09 j 11:05	0°♉	
	-8670 Nov 09 j 10:40	0°♊	
retrograde	-8670 Dec 22 j 16:20	9°♊27'31	
opposition	-8669 Jan 25 j 05:14	2°♊58'00	6°15'49
greatest brilliancy	-8669 Jan 26 j 23:56	2°♊22'42	-2.3m
min. Earth dist.	-8669 Feb 02 j 11:45	0°♊15'14	0.46640 AU
	-8669 Feb 03 j 07:00	30°℞♉	
direct	-8669 Mar 02 j 23:55	25°♉04'02	
	-8669 Mar 30 j 23:52	0°♊	
	-8669 May 28 j 03:15	0°♋	
desc. node	-8669 Jun 10 j 13:18	8°♋48'17	
	-8669 Jul 11 j 00:35	0°♌	
	-8669 Aug 21 j 07:56	0°♍	
	-8669 Oct 01 j 11:33	0°♎	
	-8669 Nov 12 j 14:07	0°♏	
	-8669 Dec 26 j 04:56	0°♐	
evening set	-8668 Feb 02 j 00:21	25°♐09'39	
	-8668 Feb 09 j 09:35	0°♑	
conjunction	-8668 Mar 22 j 16:28	27°♑21'39	-0°33'27
minimum elong	-8668 Mar 22 j 17:43	27°♑23'39	0°33'58
	-8668 Mar 26 j 19:13	0°♒	
max. Earth dist.	-8668 Mar 28 j 17:35	1°♒14'18	2.65961 AU
morning rise	-8668 May 09 j 01:11	27°♒38'21	
	-8668 May 12 j 17:58	0°♓	
asc. node	-8668 May 21 j 23:50	5°♓54'05	
	-8668 Jun 28 j 15:14	0°♈	
	-8668 Aug 14 j 05:04	0°♉	
	-8668 Sep 29 j 18:58	0°♊	
	-8668 Nov 16 j 13:04	0°♋	
	-8667 Jan 08 j 22:25	0°♌	
retrograde	-8667 Mar 06 j 20:55	16°♌27'04	
opposition	-8667 Apr 06 j 14:28	11°♌18'19	1°40'50
greatest brilliancy	-8667 Apr 06 j 17:12	11°♌16'31	-2.9m
min. Earth dist.	-8667 Apr 06 j 18:49	11°♌15'26	0.38059 AU
desc. node	-8667 Apr 27 j 18:01	6°♌44'45	
direct	-8667 May 07 j 00:57	6°♌11'05	
	-8667 Jul 15 j 18:44	0°♍	
	-8667 Sep 03 j 06:45	0°♎	
	-8667 Oct 19 j 11:50	0°♏	
	-8667 Dec 04 j 12:53	0°♐	
	-8666 Jan 20 j 04:38	0°♑	
	-8666 Mar 08 j 08:25	0°♒	
evening set	-8666 Mar 13 j 18:58	3°♒27'23	
asc. node	-8666 Apr 08 j 17:16	19°♒57'47	
max. Earth dist.	-8666 Apr 21 j 17:29	28°♒16'59	2.66087 AU
	-8666 Apr 24 j 09:45	0°♓	
conjunction	-8666 Apr 30 j 11:08	3°♓53'22	0°12'31
minimum elong	-8666 Apr 30 j 10:40	3°♓52'37	0°12'12
behind sun begin	-8666 Apr 29 j 22:01	3°♓32'18	
behind sun end	-8666 Apr 30 j 23:19	4°♓12'56	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8666 Jun 09 j 16:08	0°♈	
morning rise	-8666 Jun 15 j 16:16	3°♈57'06	
	-8666 Jul 24 j 16:30	0°♉	
	-8666 Sep 06 j 08:45	0°♊	
	-8666 Oct 18 j 22:37	0°♋	
	-8666 Nov 29 j 22:02	0°♌	
	-8665 Jan 11 j 07:01	0°♍	
	-8665 Feb 25 j 16:29	0°♎	
desc. node	-8665 Mar 15 j 20:19	10°♎31'28	
retrograde	-8665 May 13 j 14:23	29°♎31'36	
min. Earth dist.	-8665 Jun 10 j 11:03	24°♎19'41	0.45465 AU
greatest brilliancy	-8665 Jun 17 j 01:28	22°♎06'07	-2.4m
opposition	-8665 Jun 18 j 14:12	21°♎34'52	-5°20'49
direct	-8665 Jul 21 j 02:45	15°♎05'19	
	-8665 Sep 13 j 23:11	0°♏	
	-8665 Nov 09 j 16:47	0°♐	
	-8665 Dec 30 j 06:30	0°♑	
	-8664 Feb 17 j 05:21	0°♒	
asc. node	-8664 Feb 24 j 15:01	4°♒35'54	
	-8664 Apr 04 j 23:56	0°♓	
evening set	-8664 Apr 20 j 20:24	10°♓09'25	
max. Earth dist.	-8664 May 16 j 13:50	26°♓54'46	2.60937 AU
	-8664 May 21 j 06:06	0°♈	
conjunction	-8664 Jun 07 j 21:37	11°♈46'00	0°54'26
minimum elong	-8664 Jun 07 j 20:04	11°♈43'22	0°54'28
	-8664 Jul 04 j 15:43	0°♉	
morning rise	-8664 Jul 25 j 23:29	14°♉53'28	
	-8664 Aug 16 j 03:57	0°♊	
	-8664 Sep 26 j 01:59	0°♋	
	-8664 Nov 04 j 22:34	0°♌	
	-8664 Dec 14 j 11:10	0°♍	
	-8663 Jan 23 j 16:02	0°♎	
desc. node	-8663 Jan 30 j 18:30	5°♎10'29	
	-8663 Mar 07 j 03:09	0°♏	
	-8663 Apr 24 j 20:41	0°♐	
retrograde	-8663 Jun 28 j 05:17	20°♐55'24	
min. Earth dist.	-8663 Jul 31 j 09:08	13°♐33'42	0.57497 AU
greatest brilliancy	-8663 Aug 05 j 09:10	11°♐36'17	-1.8m
opposition	-8663 Aug 06 j 09:37	11°♐12'19	-5°11'46
direct	-8663 Sep 11 j 17:56	2°♐54'05	
	-8663 Dec 02 j 18:55	0°♑	
asc. node	-8662 Jan 11 j 16:39	21°♑41'42	
	-8662 Jan 26 j 02:07	0°♒	
	-8662 Mar 16 j 18:16	0°♓	
	-8662 May 02 j 14:53	0°♈	
evening set	-8662 Jun 01 j 18:06	20°♈12'50	
	-8662 Jun 15 j 22:42	0°♉	
max. Earth dist.	-8662 Jun 18 j 07:40	1°♉39'13	2.51049 AU
conjunction	-8662 Jul 23 j 03:31	26°♉28'57	1°12'19
minimum elong	-8662 Jul 23 j 03:44	26°♉29'22	1°12'45
	-8662 Jul 27 j 23:11	0°♊	
	-8662 Sep 06 j 03:32	0°♋	
morning rise	-8662 Sep 15 j 21:54	7°♋26'54	
	-8662 Oct 15 j 03:40	0°♌	
	-8662 Nov 22 j 18:35	0°♍	
desc. node	-8662 Dec 18 j 14:50	19°♍54'21	
	-8662 Dec 31 j 21:28	0°♎	
	-8661 Feb 10 j 11:32	0°♏	
	-8661 Mar 25 j 18:30	0°♐	
	-8661 May 13 j 07:19	0°♑	
retrograde	-8661 Aug 04 j 14:34	29°♑40'09	
min. Earth dist.	-8661 Sep 11 j 04:17	20°♑42'45	0.65010 AU
opposition	-8661 Sep 13 j 13:20	19°♑45'12	-2°52'14
greatest brilliancy	-8661 Sep 13 j 08:22	19°♑50'13	-1.4m
direct	-8661 Oct 22 j 15:30	10°♑23'46	
asc. node	-8661 Nov 29 j 20:53	17°♑50'06	
	-8661 Dec 29 j 05:16	0°♒	
	-8660 Feb 23 j 05:54	0°♓	
	-8660 Apr 11 j 23:21	0°♈	
	-8660 May 26 j 19:49	0°♉	
	-8660 Jul 07 j 19:22	0°♊	
evening set	-8660 Jul 20 j 23:04	9°♊44'52	
	-8660 Aug 16 j 16:48	0°♋	
max. Earth dist.	-8660 Aug 21 j 13:30	3°♋44'09	2.39375 AU
conjunction	-8660 Sep 17 j 19:59	24°♋54'37	0°34'40
minimum elong	-8660 Sep 17 j 22:39	24°♋59'49	0°35'11
	-8660 Sep 24 j 08:06	0°♌	
	-8660 Nov 01 j 14:30	0°♍	
desc. node	-8660 Nov 04 j 08:22	2°♍08'39	
morning rise	-8660 Nov 21 j 19:33	15°♍43'24	
	-8660 Dec 10 j 09:23	0°♎	
	-8659 Jan 19 j 12:40	0°♏	
	-8659 Mar 02 j 18:34	0°♐	
	-8659 Apr 16 j 23:06	0°♑	
	-8659 Jun 05 j 20:31	0°♒	
	-8659 Aug 11 j 20:21	0°♓	
retrograde	-8659 Sep 07 j 14:40	3°♓59'16	
	-8659 Oct 02 j 04:47	30°R♒	
opposition	-8659 Oct 17 j 01:25	24°♒30'16	-0°00'00
greatest brilliancy	-8659 Oct 17 j 01:31	24°♒30'10	-1.4m
asc. node	-8659 Oct 17 j 01:27	24°♒30'14	
min. Earth dist.	-8659 Oct 18 j 09:46	23°♒57'50	0.66507 AU
direct	-8659 Nov 26 j 17:13	14°♒35'45	
	-8658 Jan 23 j 12:19	0°♓	
	-8658 Mar 20 j 13:20	0°♈	
	-8658 May 06 j 08:12	0°♉	
	-8658 Jun 17 j 22:08	0°♊	
	-8658 Jul 27 j 22:49	0°♋	
	-8658 Sep 04 j 13:50	0°♌	
evening set	-8658 Sep 21 j 23:27	13°♌39'34	
desc. node	-8658 Sep 22 j 03:18	13°♌47'07	
	-8658 Oct 12 j 19:43	0°♍	
	-8658 Nov 20 j 15:02	0°♎	
conjunction	-8658 Nov 24 j 15:38	3°♎03'40	-0°44'17
minimum elong	-8658 Nov 24 j 12:29	2°♎57'42	0°44'13
	-8658 Dec 30 j 18:49	0°♏	
max. Earth dist.	-8657 Jan 09 j 14:51	7°♏08'49	2.45036 AU
morning rise	-8657 Jan 26 j 01:54	18°♏55'03	
	-8657 Feb 10 j 21:13	0°♐	
	-8657 Mar 27 j 07:04	0°♑	
	-8657 May 13 j 07:37	0°♒	
	-8657 Jul 03 j 00:50	0°♓	
	-8657 Sep 02 j 23:29	0°♈	
asc. node	-8657 Sep 04 j 03:42	0°♈25'56	
retrograde	-8657 Oct 15 j 04:50	8°♈55'07	
opposition	-8657 Nov 22 j 02:07	0°♈16'17	3°03'13
	-8657 Nov 22 j 18:53	30°R♓	
greatest brilliancy	-8657 Nov 22 j 13:22	0°♈05'21	-1.6m
min. Earth dist.	-8657 Nov 27 j 02:06	28°♓19'48	0.61868 AU
direct	-8656 Jan 01 j 21:47	20°♓20'39	
	-8656 Feb 13 j 17:06	0°♈	
	-8656 Apr 10 j 19:09	0°♉	
	-8656 May 25 j 21:06	0°♊	
	-8656 Jul 05 j 21:00	0°♋	
desc. node	-8656 Aug 09 j 02:40	26°♋12'13	
	-8656 Aug 14 j 00:17	0°♌	
	-8656 Sep 21 j 15:27	0°♍	
	-8656 Oct 30 j 19:42	0°♎	
evening set	-8656 Nov 24 j 14:50	18°♎30'21	
	-8656 Dec 10 j 08:16	0°♏	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

conjunction	-8655 Jan 20 j 23:17	29°♏28'37	-1°11'59
minimum elong	-8655 Jan 20 j 23:32	29°♏29'04	1°12'26
	-8655 Jan 21 j 17:26	0°♐	
max. Earth dist.	-8655 Feb 19 j 19:31	19°♐48'09	2.56908 AU
	-8655 Mar 07 j 03:07	0°♑	
morning rise	-8655 Mar 15 j 18:24	5°♑41'22	
	-8655 Apr 22 j 09:24	0°♒	
	-8655 Jun 09 j 07:32	0°♓	
asc. node	-8655 Jul 22 j 01:03	25°♓43'58	
	-8655 Jul 29 j 08:31	0°♈	
	-8655 Sep 23 j 00:31	0°♉	
retrograde	-8655 Nov 29 j 19:09	20°♉00'04	
opposition	-8654 Jan 03 j 20:28	12°♉44'56	5°46'20
greatest brilliancy	-8654 Jan 05 j 08:53	12°♉12'34	-2.0m
min. Earth dist.	-8654 Jan 11 j 20:13	9°♉55'27	0.51606 AU
direct	-8654 Feb 11 j 12:27	3°♉53'17	
	-8654 Apr 25 j 12:55	0°♊	
	-8654 Jun 10 j 12:09	0°♋	
desc. node	-8654 Jun 27 j 05:40	11°♋56'42	
	-8654 Jul 21 j 18:39	0°♌	
	-8654 Aug 30 j 18:35	0°♍	
	-8654 Oct 10 j 00:49	0°♎	
	-8654 Nov 20 j 11:19	0°♏	
	-8653 Jan 02 j 13:57	0°♐	
evening set	-8653 Jan 15 j 16:03	8°♐52'05	
	-8653 Feb 16 j 10:31	0°♑	
conjunction	-8653 Mar 07 j 20:02	12°♑40'13	-0°49'00
minimum elong	-8653 Mar 07 j 21:39	12°♑42'51	0°49'32
max. Earth dist.	-8653 Mar 19 j 23:44	20°♑32'22	2.64446 AU
	-8653 Apr 03 j 16:36	0°♒	
morning rise	-8653 Apr 25 j 08:33	13°♒51'05	
	-8653 May 20 j 18:02	0°♓	
asc. node	-8653 Jun 08 j 18:13	12°♓02'56	
	-8653 Jul 07 j 03:12	0°♈	
	-8653 Aug 23 j 20:30	0°♉	
	-8653 Oct 11 j 22:44	0°♊	
	-8653 Dec 05 j 18:12	0°♋	
retrograde	-8652 Feb 04 j 10:34	17°♋28'31	
opposition	-8652 Mar 06 j 12:51	12°♋09'32	4°48'24
greatest brilliancy	-8652 Mar 07 j 14:08	11°♋51'37	-2.8m
min. Earth dist.	-8652 Mar 11 j 14:36	10°♋43'36	0.39902 AU
direct	-8652 Apr 08 j 04:11	6°♋13'29	
desc. node	-8652 May 14 j 09:09	14°♋10'45	
	-8652 Jun 15 j 04:57	0°♌	
	-8652 Aug 01 j 19:40	0°♍	
	-8652 Sep 14 j 21:50	0°♎	
	-8652 Oct 28 j 19:30	0°♏	
	-8652 Dec 12 j 14:13	0°♐	
	-8651 Jan 27 j 12:32	0°♑	
evening set	-8651 Feb 26 j 09:40	19°♑12'13	
	-8651 Mar 15 j 07:07	0°♒	
max. Earth dist.	-8651 Apr 12 j 13:09	18°♒02'00	2.66693 AU
conjunction	-8651 Apr 15 j 13:23	19°♒57'21	-0°05'45
minimum elong	-8651 Apr 15 j 13:37	19°♒57'43	0°06'08
behind sun begin	-8651 Apr 14 j 19:21	19°♒28'33	
behind sun end	-8651 Apr 16 j 07:53	20°♒26'53	
asc. node	-8651 Apr 25 j 11:19	26°♒17'49	
	-8651 May 01 j 06:02	0°♓	
morning rise	-8651 May 31 j 21:18	19°♓43'55	
	-8651 Jun 16 j 16:34	0°♈	
	-8651 Aug 01 j 04:11	0°♉	
	-8651 Sep 14 j 16:11	0°♊	
	-8651 Oct 28 j 11:59	0°♋	
	-8651 Dec 11 j 08:57	0°♌	
	-8650 Jan 26 j 06:42	0°♍	
	-8650 Mar 28 j 02:50	0°♎	
desc. node	-8650 Apr 01 j 13:52	1°♎11'22	
retrograde	-8650 Apr 20 j 09:06	3°♎33'53	
	-8650 May 13 j 19:04	30°℞♍	
min. Earth dist.	-8650 May 17 j 09:38	28°♍57'35	0.40992 AU
greatest brilliancy	-8650 May 23 j 03:36	27°♍12'57	-2.7m
opposition	-8650 May 24 j 03:18	26°♍54'54	-3°41'21
direct	-8650 Jun 24 j 00:09	21°♍16'43	
	-8650 Aug 02 j 18:47	0°♎	
	-8650 Sep 30 j 23:29	0°♏	
	-8650 Nov 19 j 23:19	0°♐	
	-8649 Jan 07 j 11:08	0°♑	
	-8649 Feb 24 j 12:32	0°♒	
asc. node	-8649 Mar 13 j 06:37	10°♒32'15	
evening set	-8649 Apr 06 j 14:34	25°♒57'34	
	-8649 Apr 12 j 22:26	0°♓	
max. Earth dist.	-8649 May 07 j 03:16	15°♓35'30	2.63576 AU
conjunction	-8649 May 24 j 04:56	26°♓44'36	0°39'41
minimum elong	-8649 May 24 j 03:36	26°♓42'24	0°39'34
	-8649 May 29 j 03:33	0°♈	
morning rise	-8649 Jul 10 j 02:29	28°♈11'49	
	-8649 Jul 12 j 17:39	0°♉	
	-8649 Aug 24 j 14:56	0°♊	
	-8649 Oct 05 j 01:12	0°♋	
	-8649 Nov 14 j 12:15	0°♌	
	-8649 Dec 24 j 17:33	0°♍	
	-8648 Feb 03 j 21:58	0°♎	
desc. node	-8648 Feb 17 j 14:52	9°♎35'47	
	-8648 Mar 19 j 13:15	0°♏	
	-8648 May 20 j 11:11	0°♐	
retrograde	-8648 Jun 11 j 17:04	3°♐13'11	
	-8648 Jul 02 j 20:45	30°℞♏	
min. Earth dist.	-8648 Jul 12 j 18:25	26°♏40'21	0.53076 AU
greatest brilliancy	-8648 Jul 18 j 15:47	24°♏26'59	-2.0m
opposition	-8648 Jul 20 j 00:46	23°♏55'42	-5°42'45
direct	-8648 Aug 23 j 23:30	16°♏13'55	
	-8648 Oct 16 j 07:38	0°♐	
	-8648 Dec 14 j 00:39	0°♑	
asc. node	-8647 Jan 28 j 06:26	26°♑19'13	
	-8647 Feb 03 j 09:41	0°♒	
	-8647 Mar 24 j 03:08	0°♓	
	-8647 May 09 j 16:24	0°♈	
evening set	-8647 May 15 j 20:26	4°♈05'13	
max. Earth dist.	-8647 Jun 04 j 04:33	17°♈04'52	2.55395 AU
	-8647 Jun 22 j 23:54	0°♉	
conjunction	-8647 Jul 04 j 11:42	8°♉01'58	1°10'03
minimum elong	-8647 Jul 04 j 10:46	8°♉00'18	1°10'20
	-8647 Aug 04 j 04:04	0°♊	
morning rise	-8647 Aug 24 j 21:08	15°♊14'09	
	-8647 Sep 13 j 14:03	0°♋	
	-8647 Oct 22 j 20:40	0°♌	
	-8647 Nov 30 j 18:04	0°♍	
desc. node	-8646 Jan 04 j 10:20	26°♍26'51	
	-8646 Jan 09 j 03:45	0°♎	
	-8646 Feb 19 j 04:10	0°♏	
	-8646 Apr 04 j 11:47	0°♐	
	-8646 May 27 j 04:40	0°♑	
retrograde	-8646 Jul 21 j 15:12	15°♑36'28	
min. Earth dist.	-8646 Aug 26 j 15:12	7°♑12'23	0.62734 AU
opposition	-8646 Aug 30 j 11:19	5°♑39'57	-3°52'40
greatest brilliancy	-8646 Aug 29 j 23:58	5°♑51'21	-1.5m
	-8646 Sep 15 j 04:42	30°℞♐	
direct	-8646 Oct 07 j 14:50	26°♐39'20	
	-8646 Nov 01 j 03:49	0°♑	
asc. node	-8646 Dec 16 j 10:22	17°♑22'31	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8645 Jan 10 j 07:41	0°♒	
	-8645 Mar 03 j 18:39	0°♓	
	-8645 Apr 20 j 13:26	0°♈	
	-8645 Jun 04 j 03:15	0°♉	
evening set	-8645 Jul 01 j 00:39	19°♉02'05	
	-8645 Jul 16 j 02:22	0°♊	
max. Earth dist.	-8645 Jul 18 j 16:20	1°♊53'59	2.43617 AU
conjunction	-8645 Aug 25 j 12:58	0°♋21'42	0°57'43
minimum elong	-8645 Aug 25 j 15:32	0°♋26'36	0°58'14
	-8645 Aug 25 j 01:38	0°♋	
	-8645 Oct 02 j 19:25	0°♌	
morning rise	-8645 Oct 25 j 23:22	18°♌07'32	
	-8645 Nov 10 j 04:02	0°♍	
desc. node	-8645 Nov 22 j 04:07	9°♍20'27	
	-8645 Dec 19 j 00:35	0°♎	
	-8644 Jan 28 j 06:00	0°♏	
	-8644 Mar 10 j 17:19	0°♐	
	-8644 Apr 25 j 15:27	0°♑	
	-8644 Jun 17 j 11:19	0°♒	
retrograde	-8644 Aug 24 j 23:37	20°♒59'30	
opposition	-8644 Oct 03 j 17:59	11°♒17'17	-1°08'50
greatest brilliancy	-8644 Oct 03 j 18:15	11°♒17'01	-1.4m
min. Earth dist.	-8644 Oct 03 j 15:17	11°♒20'01	0.66652 AU
asc. node	-8644 Nov 02 j 15:37	2°♒13'54	
direct	-8644 Nov 12 j 22:25	1°♒32'37	
	-8643 Feb 05 j 19:29	0°♓	
	-8643 Mar 29 j 13:40	0°♈	
	-8643 May 14 j 08:13	0°♉	
	-8643 Jun 25 j 14:39	0°♊	
	-8643 Aug 04 j 13:01	0°♋	
evening set	-8643 Aug 27 j 00:38	17°♋23'59	
	-8643 Sep 12 j 03:16	0°♌	
desc. node	-8643 Oct 08 j 22:47	21°♌03'44	
	-8643 Oct 20 j 08:24	0°♍	
conjunction	-8643 Oct 29 j 06:28	6°♍58'04	-0°15'20
minimum elong	-8643 Oct 29 j 05:04	6°♍55'20	0°15'02
behind sun begin	-8643 Oct 28 j 18:29	6°♍34'43	
behind sun end	-8643 Oct 29 j 15:38	7°♍15'56	
	-8643 Nov 28 j 02:20	0°♎	
max. Earth dist.	-8643 Dec 09 j 14:38	8°♎44'30	2.40239 AU
morning rise	-8642 Jan 02 j 13:56	26°♎37'11	
	-8642 Jan 07 j 04:30	0°♏	
	-8642 Feb 18 j 06:16	0°♐	
	-8642 Apr 03 j 19:45	0°♑	
	-8642 May 21 j 12:28	0°♒	
	-8642 Jul 13 j 19:39	0°♓	
asc. node	-8642 Sep 20 j 19:05	24°♓37'28	
retrograde	-8642 Sep 29 j 22:56	25°♓07'45	
opposition	-8642 Nov 07 j 14:04	16°♓06'10	1°51'46
greatest brilliancy	-8642 Nov 07 j 18:43	16°♓01'34	-1.5m
min. Earth dist.	-8642 Nov 11 j 04:07	14°♓41'14	0.64401 AU
direct	-8642 Dec 18 j 12:56	6°♓06'06	
	-8641 Mar 02 j 12:30	0°♈	
	-8641 Apr 21 j 23:21	0°♉	
	-8641 Jun 04 j 16:07	0°♊	
	-8641 Jul 15 j 03:27	0°♋	
	-8641 Aug 23 j 00:04	0°♌	
desc. node	-8641 Aug 26 j 19:35	2°♌58'31	
	-8641 Sep 30 j 10:10	0°♍	
evening set	-8641 Nov 01 j 15:35	24°♍51'56	
	-8641 Nov 08 j 09:29	0°♎	
	-8641 Dec 18 j 17:13	0°♏	
conjunction	-8640 Jan 01 j 01:06	9°♏37'59	-1°09'14
minimum elong	-8641 Dec 31 j 23:42	9°♏35'28	1°09'31

	-8640 Jan 29 j 22:09	0°♐	
max. Earth dist.	-8640 Feb 07 j 09:16	5°♐50'28	2.52638 AU
morning rise	-8640 Feb 26 j 22:11	19°♐07'12	
	-8640 Mar 14 j 05:55	0°♑	
	-8640 Apr 29 j 15:54	0°♒	
	-8640 Jun 17 j 07:01	0°♓	
asc. node	-8640 Aug 07 j 18:11	29°♓32'09	
	-8640 Aug 08 j 14:52	0°♈	
	-8640 Oct 18 j 02:10	0°♉	
retrograde	-8640 Nov 09 j 23:28	2°♉55'13	
	-8640 Dec 01 j 07:13	30°℞♈	
opposition	-8640 Dec 16 j 07:21	25°♈01'59	4°50'18
greatest brilliancy	-8640 Dec 17 j 09:31	24°♈37'36	-1.8m
min. Earth dist.	-8640 Dec 23 j 07:59	22°♈25'22	0.56197 AU
direct	-8639 Jan 25 j 05:00	15°♈33'14	
	-8639 Mar 18 j 15:22	0°♉	
	-8639 May 09 j 06:20	0°♊	
	-8639 Jun 21 j 03:14	0°♋	
desc. node	-8639 Jul 13 j 21:25	16°♋54'19	
	-8639 Jul 31 j 04:24	0°♌	
	-8639 Sep 08 j 10:28	0°♍	
	-8639 Oct 18 j 02:57	0°♎	
	-8639 Nov 28 j 02:16	0°♏	
evening set	-8639 Dec 27 j 22:02	21°♏04'18	
	-8638 Jan 09 j 20:03	0°♐	
conjunction	-8638 Feb 19 j 02:18	27°♐07'32	-1°01'38
minimum elong	-8638 Feb 19 j 03:54	27°♐10'10	1°02'11
	-8638 Feb 23 j 10:42	0°♑	
max. Earth dist.	-8638 Mar 09 j 17:28	9°♑22'30	2.62111 AU
morning rise	-8638 Apr 10 j 05:55	29°♑45'27	
	-8638 Apr 10 j 15:00	0°♒	
	-8638 May 27 j 21:29	0°♓	
asc. node	-8638 Jun 25 j 12:21	17°♓55'11	
	-8638 Jul 14 j 23:44	0°♈	
	-8638 Sep 02 j 11:41	0°♉	
	-8638 Oct 26 j 16:12	0°♊	
retrograde	-8637 Jan 06 j 08:23	22°♊17'16	
opposition	-8637 Feb 07 j 21:36	16°♊14'50	6°08'56
greatest brilliancy	-8637 Feb 09 j 15:12	15°♊42'14	-2.5m
min. Earth dist.	-8637 Feb 15 j 16:53	13°♊48'52	0.43979 AU
direct	-8637 Mar 15 j 09:11	9°♊00'51	
	-8637 May 17 j 01:37	0°♋	
desc. node	-8637 Jun 01 j 02:28	8°♋52'11	
	-8637 Jul 03 j 08:50	0°♌	
	-8637 Aug 14 j 22:39	0°♍	
	-8637 Sep 25 j 19:09	0°♎	
	-8637 Nov 07 j 08:52	0°♏	
	-8637 Dec 21 j 07:01	0°♐	
	-8636 Feb 04 j 16:30	0°♑	
evening set	-8636 Feb 11 j 12:14	4°♑26'17	
	-8636 Mar 22 j 04:23	0°♒	
conjunction	-8636 Mar 31 j 12:44	5°♒58'54	-0°23'33
minimum elong	-8636 Mar 31 j 13:39	6°♒00'21	0°24'01
max. Earth dist.	-8636 Apr 03 j 07:26	7°♒45'30	2.66460 AU
	-8636 May 08 j 02:43	0°♓	
asc. node	-8636 May 12 j 04:20	2°♓36'08	
morning rise	-8636 May 17 j 09:40	5°♓56'44	
	-8636 Jun 23 j 19:31	0°♈	
	-8636 Aug 08 j 22:22	0°♉	
	-8636 Sep 23 j 14:31	0°♊	
	-8636 Nov 08 j 11:22	0°♋	
	-8636 Dec 26 j 09:07	0°♌	
	-8635 Feb 26 j 09:43	0°♍	
retrograde	-8635 Mar 24 j 00:32	4°♍02'48	
desc. node	-8635 Apr 18 j 06:13	0°♍14'43	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8635 Apr 19 j 04:33	30°℞♌	
min. Earth dist.	-8635 Apr 21 j 16:57	29°♌19'19	0.38336 AU
opposition	-8635 Apr 24 j 10:46	28°♌34'16	-0°29'26
greatest brilliancy	-8635 Apr 24 j 09:05	28°♌35'25	-2.9m
direct	-8635 May 24 j 16:21	23°♌28'33	
	-8635 Jun 27 j 00:14	0°♍	
	-8635 Aug 25 j 12:25	0°♎	
	-8635 Oct 13 j 00:19	0°♏	
	-8635 Nov 29 j 01:21	0°♐	
	-8634 Jan 15 j 05:26	0°♑	
	-8634 Mar 03 j 15:26	0°♒	
evening set	-8634 Mar 22 j 12:22	11°♒57'36	
asc. node	-8634 Mar 29 j 22:45	16°♒41'02	
	-8634 Apr 19 j 19:25	0°♓	
max. Earth dist.	-8634 Apr 27 j 08:16	4°♓50'18	2.65419 AU
conjunction	-8634 May 09 j 01:27	12°♓23'36	0°22'51
minimum elong	-8634 May 09 j 00:37	12°♓22'15	0°22'36
	-8634 Jun 05 j 01:19	0°♈	
morning rise	-8634 Jun 24 j 08:51	12°♈47'40	
	-8634 Jul 19 j 21:54	0°♉	
	-8634 Sep 01 j 06:53	0°♊	
	-8634 Oct 13 j 09:24	0°♋	
	-8634 Nov 23 j 16:55	0°♌	
	-8633 Jan 04 j 01:10	0°♍	
	-8633 Feb 16 j 04:06	0°♎	
desc. node	-8633 Mar 06 j 07:49	11°♎41'08	
	-8633 Apr 08 j 03:47	0°♏	
retrograde	-8633 May 25 j 06:49	12°♏56'22	
min. Earth dist.	-8633 Jun 23 j 04:42	7°♏16'00	0.48206 AU
greatest brilliancy	-8633 Jun 29 j 16:30	4°♏57'56	-2.2m
opposition	-8633 Jul 01 j 06:18	4°♏24'08	-5°43'17
	-8633 Jul 15 j 03:31	30°℞♎	
direct	-8633 Aug 03 j 16:36	27°♎26'36	
	-8633 Aug 24 j 06:48	0°♏	
	-8633 Nov 02 j 02:10	0°♐	
	-8633 Dec 24 j 13:18	0°♑	
	-8632 Feb 12 j 04:53	0°♒	
asc. node	-8632 Feb 14 j 21:20	1°♒39'03	
	-8632 Mar 31 j 06:41	0°♓	
evening set	-8632 Apr 29 j 19:20	18°♓57'53	
	-8632 May 16 j 15:24	0°♈	
max. Earth dist.	-8632 May 23 j 01:54	4°♈16'05	2.59161 AU
conjunction	-8632 Jun 17 j 06:43	21°♈14'37	1°01'29
minimum elong	-8632 Jun 17 j 05:14	21°♈12'05	1°01'36
	-8632 Jun 30 j 00:31	0°♉	
morning rise	-8632 Aug 05 j 07:00	25°♉34'42	
	-8632 Aug 11 j 10:15	0°♊	
	-8632 Sep 21 j 04:00	0°♋	
	-8632 Oct 30 j 19:14	0°♌	
	-8632 Dec 09 j 01:30	0°♍	
	-8631 Jan 17 j 21:17	0°♎	
desc. node	-8631 Jan 21 j 06:13	2°♎29'34	
	-8631 Feb 28 j 14:58	0°♏	
	-8631 Apr 15 j 22:50	0°♐	
	-8631 Jun 27 j 17:46	0°♑	
retrograde	-8631 Jul 07 j 00:38	0°♑34'44	
	-8631 Jul 16 j 00:47	30°℞♐	
min. Earth dist.	-8631 Aug 10 j 06:14	22°♐49'18	0.59588 AU
opposition	-8631 Aug 15 j 12:53	20°♐43'51	-4°46'05
greatest brilliancy	-8631 Aug 14 j 17:21	21°♐03'13	-1.7m
direct	-8631 Sep 21 j 13:47	12°♐08'56	
	-8631 Nov 23 j 21:54	0°♑	
asc. node	-8630 Jan 01 j 23:51	19°♑50'15	
	-8630 Jan 20 j 05:07	0°♒	
	-8630 Mar 11 j 16:58	0°♓	
	-8630 Apr 27 j 20:55	0°♈	
evening set	-8630 Jun 11 j 23:39	0°♉29'03	
	-8630 Jun 11 j 06:56	0°♉	
max. Earth dist.	-8630 Jun 27 j 20:13	11°♉37'53	2.48427 AU
	-8630 Jul 23 j 07:16	0°♊	
conjunction	-8630 Aug 03 j 15:47	8°♊22'14	1°09'53
minimum elong	-8630 Aug 03 j 16:54	8°♊24'18	1°10'22
	-8630 Sep 01 j 09:57	0°♋	
morning rise	-8630 Sep 29 j 16:40	21°♋44'44	
	-8630 Oct 10 j 07:50	0°♌	
	-8630 Nov 17 j 20:20	0°♍	
desc. node	-8630 Dec 08 j 23:56	16°♍21'38	
	-8630 Dec 26 j 20:14	0°♎	
	-8629 Feb 05 j 05:49	0°♏	
	-8629 Mar 20 j 02:43	0°♐	
	-8629 May 06 j 07:28	0°♑	
	-8629 Jul 05 j 08:37	0°♒	
retrograde	-8629 Aug 12 j 10:27	7°♒49'50	
	-8629 Sep 16 j 07:42	30°℞♑	
min. Earth dist.	-8629 Sep 19 j 19:10	28°♑36'27	0.65857 AU
opposition	-8629 Sep 21 j 09:09	27°♑58'07	-2°15'13
greatest brilliancy	-8629 Sep 21 j 06:45	28°♑00'32	-1.4m
direct	-8629 Oct 30 j 22:14	18°♑27'20	
asc. node	-8629 Nov 20 j 04:54	20°♑46'27	
	-8629 Dec 19 j 02:53	0°♒	
	-8628 Feb 17 j 05:36	0°♓	
	-8628 Apr 06 j 20:20	0°♈	
	-8628 May 22 j 00:05	0°♉	
	-8628 Jul 03 j 02:14	0°♊	
evening set	-8628 Aug 02 j 18:23	22°♊56'45	
	-8628 Aug 11 j 23:56	0°♋	
	-8628 Sep 19 j 14:34	0°♌	
max. Earth dist.	-8628 Sep 27 j 11:48	6°♌11'08	2.38058 AU
conjunction	-8628 Oct 02 j 12:50	10°♌08'50	0°17'31
minimum elong	-8628 Oct 02 j 14:27	10°♌11'59	0°17'58
desc. node	-8628 Oct 25 j 17:27	28°♌20'58	
	-8628 Oct 27 j 20:04	0°♍	
	-8628 Dec 05 j 13:50	0°♎	
morning rise	-8628 Dec 07 j 11:51	1°♎27'49	
	-8627 Jan 14 j 15:44	0°♏	
	-8627 Feb 25 j 18:49	0°♐	
	-8627 Apr 11 j 15:25	0°♑	
	-8627 May 30 j 10:49	0°♒	
	-8627 Jul 28 j 03:36	0°♓	
retrograde	-8627 Sep 15 j 14:30	11°♓53'44	
asc. node	-8627 Oct 07 j 09:15	8°♓45'58	
opposition	-8627 Oct 24 j 19:24	2°♓33'24	0°40'42
greatest brilliancy	-8627 Oct 24 j 20:18	2°♓32'30	-1.4m
min. Earth dist.	-8627 Oct 26 j 22:41	1°♓42'14	0.66031 AU
	-8627 Oct 31 j 06:38	30°℞♒	
direct	-8627 Dec 04 j 15:17	22°♒35'35	
	-8626 Jan 11 j 09:43	0°♓	
	-8626 Mar 14 j 04:25	0°♈	
	-8626 Apr 30 j 23:30	0°♉	
	-8626 Jun 12 j 22:05	0°♊	
	-8626 Jul 23 j 02:18	0°♋	
	-8626 Aug 30 j 18:57	0°♌	
desc. node	-8626 Sep 12 j 14:54	10°♌03'29	
evening set	-8626 Oct 06 j 20:06	29°♌02'06	
	-8626 Oct 08 j 01:44	0°♍	
	-8626 Nov 15 j 21:27	0°♎	
conjunction	-8626 Dec 08 j 19:47	17°♎16'53	-0°56'27
minimum elong	-8626 Dec 08 j 16:50	17°♎11'23	0°56'32
	-8626 Dec 26 j 01:24	0°♏	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

max. Earth dist.	-8625 Jan 21 j 20:16	19°♏16'14	2.47804 AU
	-8625 Feb 06 j 03:25	0°♐	
morning rise	-8625 Feb 07 j 07:13	0°♐48'18	
	-8625 Mar 22 j 10:57	0°♑	
	-8625 May 08 j 04:03	0°♒	
	-8625 Jun 26 j 21:31	0°♓	
	-8625 Aug 22 j 12:45	0°♈	
asc. node	-8625 Aug 25 j 09:58	1°♈18'55	
retrograde	-8625 Oct 24 j 11:42	17°♈36'04	
opposition	-8625 Nov 30 j 21:03	9°♈11'47	3°43'36
greatest brilliancy	-8625 Dec 01 j 13:06	8°♈56'23	-1.6m
min. Earth dist.	-8625 Dec 06 j 15:05	6°♈59'30	0.60086 AU
	-8625 Dec 31 j 20:34	30°℞♓	
direct	-8624 Jan 10 j 11:27	29°♓22'35	
	-8624 Jan 20 j 10:31	0°♈	
	-8624 Apr 03 j 09:08	0°♉	
	-8624 May 19 j 22:30	0°♊	
	-8624 Jun 30 j 10:54	0°♋	
desc. node	-8624 Jul 30 j 14:51	22°♋53'25	
	-8624 Aug 08 j 20:32	0°♌	
	-8624 Sep 16 j 16:00	0°♍	
	-8624 Oct 25 j 23:23	0°♎	
	-8624 Dec 05 j 14:28	0°♏	
evening set	-8624 Dec 07 j 05:35	1°♏10'39	
	-8623 Jan 17 j 01:21	0°♐	
conjunction	-8623 Feb 01 j 00:04	10°♐14'28	-1°09'55
minimum elong	-8623 Feb 01 j 01:01	10°♐16'05	1°10'25
max. Earth dist.	-8623 Feb 26 j 18:55	27°♐33'27	2.58950 AU
	-8623 Mar 02 j 11:25	0°♑	
morning rise	-8623 Mar 25 j 08:39	14°♑59'46	
	-8623 Apr 17 j 15:41	0°♒	
	-8623 Jun 04 j 06:29	0°♓	
asc. node	-8623 Jul 12 j 05:38	23°♓16'53	
	-8623 Jul 23 j 10:11	0°♈	
	-8623 Sep 13 j 23:25	0°♉	
	-8623 Nov 28 j 17:47	0°♊	
retrograde	-8623 Dec 12 j 06:55	1°♊05'21	
	-8623 Dec 25 j 10:22	30°℞♉	
opposition	-8622 Jan 15 j 13:10	24°♉14'39	6°07'18
greatest brilliancy	-8622 Jan 17 j 06:06	23°♉39'36	-2.2m
min. Earth dist.	-8622 Jan 23 j 20:30	21°♉25'09	0.48881 AU
direct	-8622 Feb 22 j 06:50	15°♉52'09	
	-8622 Apr 13 j 14:12	0°♊	
	-8622 Jun 02 j 21:49	0°♋	
desc. node	-8622 Jun 17 j 17:30	10°♋10'42	
	-8622 Jul 15 j 09:42	0°♌	
	-8622 Aug 25 j 00:56	0°♍	
	-8622 Oct 04 j 17:14	0°♎	
	-8622 Nov 15 j 11:04	0°♏	
	-8622 Dec 28 j 19:00	0°♐	
evening set	-8621 Jan 25 j 17:43	18°♐45'16	
	-8621 Feb 11 j 18:50	0°♑	
conjunction	-8621 Mar 17 j 00:40	21°♑36'11	-0°40'15
minimum elong	-8621 Mar 17 j 02:06	21°♑38'31	0°40'46
max. Earth dist.	-8621 Mar 25 j 16:55	27°♑11'19	2.65382 AU
	-8621 Mar 30 j 01:58	0°♒	
morning rise	-8621 May 03 j 20:24	22°♒13'17	
	-8621 May 16 j 01:28	0°♓	
asc. node	-8621 May 29 j 22:49	8°♓50'48	
	-8621 Jul 02 j 03:29	0°♈	
	-8621 Aug 18 j 04:18	0°♉	
	-8621 Oct 04 j 16:40	0°♊	
	-8621 Nov 23 j 14:26	0°♋	
	-8620 Jan 27 j 15:18	0°♌	
retrograde	-8620 Feb 22 j 00:00	3°♌46'23	
	-8620 Mar 18 j 15:54	30°℞♋	
opposition	-8620 Mar 23 j 16:49	28°♋39'33	3°13'54
greatest brilliancy	-8620 Mar 24 j 04:13	28°♋31'52	-2.9m
min. Earth dist.	-8620 Mar 26 j 06:56	27°♋57'43	0.38534 AU
direct	-8620 Apr 23 j 21:02	23°♋17'00	
desc. node	-8620 May 04 j 22:18	24°♋04'45	
	-8620 May 27 j 06:47	0°♌	
	-8620 Jul 23 j 14:42	0°♍	
	-8620 Sep 08 j 00:50	0°♎	
	-8620 Oct 23 j 00:30	0°♏	
	-8620 Dec 07 j 09:52	0°♐	
	-8619 Jan 22 j 16:36	0°♑	
evening set	-8619 Mar 07 j 06:47	27°♑51'15	
	-8619 Mar 10 j 15:38	0°♒	
asc. node	-8619 Apr 15 j 16:16	22°♒58'05	
max. Earth dist.	-8619 Apr 17 j 23:36	24°♒26'31	2.66459 AU
conjunction	-8619 Apr 24 j 03:09	28°♒22'38	0°04'54
minimum elong	-8619 Apr 24 j 02:58	28°♒22'19	0°04'34
behind sun begin	-8619 Apr 23 j 08:07	27°♒52'08	
behind sun end	-8619 Apr 24 j 21:49	28°♒52'30	
	-8619 Apr 26 j 15:55	0°♓	
morning rise	-8619 Jun 09 j 08:09	28°♓15'05	
	-8619 Jun 12 j 00:21	0°♈	
	-8619 Jul 27 j 05:59	0°♉	
	-8619 Sep 09 j 06:55	0°♊	
	-8619 Oct 22 j 09:01	0°♋	
	-8619 Dec 04 j 01:34	0°♌	
	-8618 Jan 16 j 13:56	0°♍	
	-8618 Mar 06 j 00:44	0°♎	
desc. node	-8618 Mar 23 j 01:40	8°♎30'39	
retrograde	-8618 May 04 j 00:45	19°♎06'53	
min. Earth dist.	-8618 May 31 j 06:20	14°♎14'10	0.43337 AU
greatest brilliancy	-8618 Jun 06 j 16:10	12°♎10'17	-2.5m
opposition	-8618 Jun 08 j 01:05	11°♎43'33	-4°48'56
direct	-8618 Jul 09 j 19:34	5°♎37'28	
	-8618 Sep 21 j 14:05	0°♏	
	-8618 Nov 13 j 14:34	0°♐	
	-8617 Jan 02 j 03:32	0°♑	
	-8617 Feb 19 j 16:13	0°♒	
asc. node	-8617 Mar 03 j 13:10	7°♒24'56	
	-8617 Apr 08 j 07:16	0°♓	
evening set	-8617 Apr 15 j 07:27	4°♓28'51	
max. Earth dist.	-8617 May 13 j 01:13	22°♓25'56	2.62215 AU
	-8617 May 24 j 13:38	0°♈	
conjunction	-8617 Jun 02 j 02:33	5°♈39'30	0°48'31
minimum elong	-8617 Jun 02 j 01:04	5°♈37'01	0°48'30
	-8617 Jul 08 j 02:04	0°♉	
morning rise	-8617 Jul 19 j 13:52	7°♉57'09	
	-8617 Aug 19 j 19:00	0°♊	
	-8617 Sep 29 j 22:47	0°♋	
	-8617 Nov 09 j 01:30	0°♌	
	-8617 Dec 18 j 20:39	0°♍	
	-8616 Jan 28 j 09:21	0°♎	
desc. node	-8616 Feb 08 j 00:12	7°♎38'01	
	-8616 Mar 11 j 12:17	0°♏	
	-8616 May 01 j 23:23	0°♐	
retrograde	-8616 Jun 21 j 08:00	14°♐00'23	
min. Earth dist.	-8616 Jul 23 j 14:10	6°♐59'49	0.55608 AU
greatest brilliancy	-8616 Jul 29 j 00:24	4°♐54'06	-1.8m
opposition	-8616 Jul 30 j 04:53	4°♐26'33	-5°27'48
	-8616 Aug 11 j 19:03	30°℞♏	
direct	-8616 Sep 03 j 22:29	26°♏23'45	
	-8616 Sep 29 j 03:01	0°♐	
	-8616 Dec 07 j 01:50	0°♑	
asc. node	-8615 Jan 18 j 13:58	23°♑53'06	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8615 Jan 28 j 23:37	0°♒	
	-8615 Mar 19 j 06:12	0°♓	
	-8615 May 05 j 00:36	0°♈	
evening set	-8615 May 25 j 08:46	13°♈33'22	
max. Earth dist.	-8615 Jun 11 j 22:43	25°♈32'24	2.53073 AU
	-8615 Jun 18 j 09:27	0°♉	
conjunction	-8615 Jul 14 j 21:01	18°♉41'00	1°12'15
minimum elong	-8615 Jul 14 j 20:40	18°♉40'22	1°12'37
	-8615 Jul 30 j 12:40	0°♊	
morning rise	-8615 Sep 06 j 00:03	27°♊51'02	
	-8615 Sep 08 j 20:13	0°♋	
	-8615 Oct 17 j 23:22	0°♌	
	-8615 Nov 25 j 16:51	0°♍	
desc. node	-8615 Dec 25 j 20:51	23°♍09'17	
	-8614 Jan 03 j 21:42	0°♎	
	-8614 Feb 13 j 14:18	0°♏	
	-8614 Mar 29 j 04:07	0°♐	
	-8614 May 17 j 20:47	0°♑	
retrograde	-8614 Jul 29 j 17:29	24°♑13'14	
min. Earth dist.	-8614 Sep 04 j 14:57	15°♑30'24	0.64113 AU
opposition	-8614 Sep 07 j 16:13	14°♑16'40	-3°18'17
greatest brilliancy	-8614 Sep 07 j 08:40	14°♑24'15	-1.5m
direct	-8614 Oct 16 j 09:26	5°♑04'01	
asc. node	-8614 Dec 06 j 17:57	17°♑30'49	
	-8613 Jan 02 j 21:41	0°♒	
	-8613 Feb 26 j 06:14	0°♓	
	-8613 Apr 15 j 14:42	0°♈	
	-8613 May 30 j 09:32	0°♉	
	-8613 Jul 11 j 10:11	0°♊	
evening set	-8613 Jul 12 j 15:09	0°♊53'11	
max. Earth dist.	-8613 Aug 04 j 02:15	17°♊37'06	2.41121 AU
	-8613 Aug 20 j 09:19	0°♋	
conjunction	-8613 Sep 07 j 22:52	14°♋18'37	0°45'56
minimum elong	-8613 Sep 08 j 01:45	14°♋24'12	0°46'27
	-8613 Sep 28 j 02:04	0°♌	
	-8613 Nov 05 j 09:22	0°♍	
morning rise	-8613 Nov 10 j 13:51	4°♍02'53	
desc. node	-8613 Nov 12 j 14:45	5°♍38'09	
	-8613 Dec 14 j 04:16	0°♎	
	-8612 Jan 23 j 07:06	0°♏	
	-8612 Mar 05 j 13:28	0°♐	
	-8612 Apr 19 j 22:14	0°♑	
	-8612 Jun 09 j 16:15	0°♒	
retrograde	-8612 Sep 01 j 19:10	28°♒54'36	
opposition	-8612 Oct 11 j 10:05	19°♒19'02	-0°29'03
greatest brilliancy	-8612 Oct 11 j 10:36	19°♒18'32	-1.4m
min. Earth dist.	-8612 Oct 12 j 02:20	19°♒02'43	0.66696 AU
asc. node	-8612 Oct 23 j 22:50	14°♒31'34	
direct	-8612 Nov 20 j 21:51	9°♒28'28	
	-8611 Jan 28 j 20:39	0°♓	
	-8611 Mar 23 j 20:34	0°♈	
	-8611 May 09 j 05:51	0°♉	
	-8611 Jun 20 j 17:40	0°♊	
	-8611 Jul 30 j 18:07	0°♋	
	-8611 Sep 07 j 09:02	0°♌	
evening set	-8611 Sep 10 j 12:32	2°♌28'03	
desc. node	-8611 Sep 29 j 09:08	17°♌16'47	
	-8611 Oct 15 j 14:26	0°♍	
conjunction	-8611 Nov 13 j 07:34	22°♍18'15	-0°32'42
minimum elong	-8611 Nov 13 j 04:51	22°♍13'02	0°32'31
	-8611 Nov 23 j 08:29	0°♎	
max. Earth dist.	-8611 Dec 29 j 03:59	26°♎52'03	2.42798 AU
	-8610 Jan 02 j 10:24	0°♏	
morning rise	-8610 Jan 16 j 05:37	10°♏01'18	
	-8610 Feb 13 j 11:09	0°♐	
	-8610 Mar 29 j 20:40	0°♑	
	-8610 May 16 j 01:38	0°♒	
	-8610 Jul 06 j 14:17	0°♓	
asc. node	-8610 Sep 11 j 01:28	29°♓15'40	
	-8610 Sep 13 j 20:04	0°♈	
retrograde	-8610 Oct 08 j 13:27	3°♈22'59	
	-8610 Oct 31 j 09:01	30°℞♓	
opposition	-8610 Nov 15 j 19:23	24°♓33'12	2°33'03
greatest brilliancy	-8610 Nov 16 j 03:23	24°♓25'22	-1.5m
min. Earth dist.	-8610 Nov 20 j 03:59	22°♓50'50	0.63125 AU
direct	-8610 Dec 26 j 17:27	14°♓34'43	
	-8609 Feb 21 j 03:37	0°♈	
	-8609 Apr 15 j 18:10	0°♉	
	-8609 May 30 j 05:37	0°♊	
	-8609 Jul 10 j 00:30	0°♋	
desc. node	-8609 Aug 17 j 07:35	29°♋26'29	
	-8609 Aug 18 j 00:50	0°♌	
	-8609 Sep 25 j 13:21	0°♍	
	-8609 Nov 03 j 14:31	0°♎	
evening set	-8609 Nov 15 j 11:26	8°♎56'47	
	-8609 Dec 13 j 23:39	0°♏	
conjunction	-8608 Jan 13 j 04:54	21°♏36'17	-1°11'50
minimum elong	-8608 Jan 13 j 04:31	21°♏35'35	1°12'14
	-8608 Jan 25 j 05:38	0°♐	
max. Earth dist.	-8608 Feb 15 j 12:43	14°♐35'32	2.55075 AU
morning rise	-8608 Mar 08 j 07:30	29°♐11'10	
	-8608 Mar 09 j 13:00	0°♑	
	-8608 Apr 24 j 19:35	0°♒	
	-8608 Jun 11 j 23:15	0°♓	
asc. node	-8608 Jul 28 j 23:35	27°♓50'32	
	-8608 Aug 01 j 18:47	0°♈	
	-8608 Sep 29 j 22:05	0°♉	
retrograde	-8608 Nov 20 j 21:31	12°♉49'43	
opposition	-8608 Dec 26 j 13:57	5°♉16'32	5°24'01
greatest brilliancy	-8608 Dec 27 j 22:02	4°♉47'22	-1.9m
min. Earth dist.	-8607 Jan 03 j 05:02	2°♉30'49	0.53738 AU
	-8607 Jan 10 j 18:31	30°℞♈	
direct	-8607 Feb 03 j 21:13	26°♈06'06	
	-8607 Mar 01 j 02:27	0°♉	
	-8607 May 01 j 10:35	0°♊	
	-8607 Jun 14 j 19:46	0°♋	
desc. node	-8607 Jul 04 j 09:57	14°♋16'08	
	-8607 Jul 25 j 11:48	0°♌	
	-8607 Sep 03 j 02:45	0°♍	
	-8607 Oct 13 j 01:38	0°♎	
	-8607 Nov 23 j 05:37	0°♏	
	-8606 Jan 05 j 02:56	0°♐	
evening set	-8606 Jan 07 j 19:07	1°♐49'44	
	-8606 Feb 18 j 19:32	0°♑	
conjunction	-8606 Feb 28 j 19:22	6°♑33'41	-0°54'44
minimum elong	-8606 Feb 28 j 21:02	6°♑36'24	0°55'17
max. Earth dist.	-8606 Mar 15 j 18:21	16°♑18'21	2.63498 AU
	-8606 Apr 05 j 23:57	0°♒	
morning rise	-8606 Apr 18 j 23:56	8°♒19'16	
	-8606 May 23 j 02:57	0°♓	
asc. node	-8606 Jun 15 j 17:08	14°♓53'21	
	-8606 Jul 09 j 18:35	0°♈	
	-8606 Aug 27 j 03:52	0°♉	
	-8606 Oct 16 j 22:07	0°♊	
	-8606 Dec 18 j 21:03	0°♋	
retrograde	-8605 Jan 22 j 07:57	6°♋24'57	
opposition	-8605 Feb 22 j 23:40	0°♋48'30	5°35'47
greatest brilliancy	-8605 Feb 24 j 10:16	0°♋22'49	-2.6m
	-8605 Feb 25 j 16:57	30°℞♊	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

min. Earth dist.	-8605 Mar 01 j 13:37	28°♊51'53	0.41529 AU
direct	-8605 Mar 28 j 21:46	24°♊18'20	
	-8605 Apr 27 j 23:31	0°♋	
desc. node	-8605 May 22 j 13:24	10°♋55'18	
	-8605 Jun 24 j 03:29	0°♌	
	-8605 Aug 07 j 21:06	0°♍	
	-8605 Sep 19 j 19:03	0°♎	
	-8605 Nov 01 j 23:55	0°♏	
	-8605 Dec 16 j 07:53	0°♐	
	-8604 Jan 30 j 23:11	0°♑	
evening set	-8604 Feb 20 j 16:44	13°♑23'44	
	-8604 Mar 17 j 14:08	0°♒	
conjunction	-8604 Apr 09 j 04:34	14°♒26'26	-0°13'18
minimum elong	-8604 Apr 09 j 05:06	14°♒27'16	0°13'44
behind sun begin	-8604 Apr 08 j 19:17	14°♒11'37	
behind sun end	-8604 Apr 09 j 14:54	14°♒42'56	
max. Earth dist.	-8604 Apr 08 j 18:58	14°♒11'07	2.66699 AU
asc. node	-8604 May 02 j 10:08	29°♒17'32	
	-8604 May 03 j 12:40	0°♓	
morning rise	-8604 May 25 j 17:01	14°♓14'26	
	-8604 Jun 19 j 02:03	0°♈	
	-8604 Aug 03 j 20:32	0°♉	
	-8604 Sep 17 j 20:07	0°♊	
	-8604 Nov 01 j 10:38	0°♋	
	-8604 Dec 16 j 15:38	0°♌	
	-8603 Feb 03 j 20:10	0°♍	
retrograde	-8603 Apr 08 j 23:56	21°♍25'06	
desc. node	-8603 Apr 08 j 18:02	21°♍25'05	
min. Earth dist.	-8603 May 06 j 08:42	16°♍53'03	0.39485 AU
opposition	-8603 May 11 j 15:46	15°♍21'24	-2°28'38
greatest brilliancy	-8603 May 11 j 02:06	15°♍31'16	-2.8m
direct	-8603 Jun 11 j 00:40	10°♍02'08	
	-8603 Aug 14 j 03:07	0°♎	
	-8603 Oct 05 j 20:05	0°♏	
	-8603 Nov 23 j 07:36	0°♐	
	-8602 Jan 10 j 03:42	0°♑	
	-8602 Feb 26 j 21:49	0°♒	
asc. node	-8602 Mar 20 j 04:56	13°♒26'43	
evening set	-8602 Mar 31 j 04:36	20°♒25'00	
	-8602 Apr 15 j 05:17	0°♓	
max. Earth dist.	-8602 May 03 j 00:12	11°♓26'18	2.64504 AU
conjunction	-8602 May 17 j 16:57	20°♓58'43	0°32'46
minimum elong	-8602 May 17 j 15:48	20°♓56'50	0°32'37
	-8602 May 31 j 11:14	0°♈	
morning rise	-8602 Jul 03 j 06:15	21°♈52'51	
	-8602 Jul 15 j 04:59	0°♉	
	-8602 Aug 27 j 07:59	0°♊	
	-8602 Oct 08 j 01:46	0°♋	
	-8602 Nov 17 j 21:17	0°♌	
	-8602 Dec 28 j 12:45	0°♍	
	-8601 Feb 08 j 08:11	0°♎	
desc. node	-8601 Feb 24 j 20:13	11°♎14'49	
	-8601 Mar 26 j 15:23	0°♏	
retrograde	-8601 Jun 05 j 01:49	25°♏15'12	
min. Earth dist.	-8601 Jul 05 j 04:10	19°♏05'37	0.50917 AU
greatest brilliancy	-8601 Jul 11 j 08:55	16°♏48'29	-2.1m
opposition	-8601 Jul 12 j 20:55	16°♏15'07	-5°48'12
direct	-8601 Aug 16 j 03:02	8°♏52'21	
	-8601 Oct 24 j 01:38	0°♐	
	-8601 Dec 18 j 11:52	0°♑	
asc. node	-8600 Feb 05 j 03:41	28°♑50'12	
	-8600 Feb 07 j 01:41	0°♒	
	-8600 Mar 26 j 12:41	0°♓	
evening set	-8600 May 08 j 21:52	27°♓56'40	
	-8600 May 12 j 00:45	0°♈	
max. Earth dist.	-8600 May 29 j 20:14	11°♈51'47	2.57171 AU
	-8600 Jun 25 j 10:06	0°♉	
conjunction	-8600 Jun 26 j 22:39	1°♉03'21	1°07'02
minimum elong	-8600 Jun 26 j 21:25	1°♉01'12	1°07'15
	-8600 Aug 06 j 17:35	0°♊	
morning rise	-8600 Aug 16 j 03:33	6°♊51'30	
	-8600 Sep 16 j 07:44	0°♋	
	-8600 Oct 25 j 18:20	0°♌	
	-8600 Dec 03 j 19:21	0°♍	
desc. node	-8599 Jan 11 j 16:23	29°♍29'55	
	-8599 Jan 12 j 08:29	0°♎	
	-8599 Feb 22 j 13:49	0°♏	
	-8599 Apr 08 j 11:32	0°♐	
	-8599 Jun 03 j 13:04	0°♑	
retrograde	-8599 Jul 15 j 12:18	9°♑46'11	
min. Earth dist.	-8599 Aug 19 j 17:51	1°♑39'08	0.61429 AU
	-8599 Aug 23 j 21:12	30°℞♐	
opposition	-8599 Aug 24 j 06:06	29°♐51'07	-4°16'21
greatest brilliancy	-8599 Aug 23 j 15:18	0°♑05'53	-1.6m
direct	-8599 Sep 30 j 22:39	21°♐01'25	
	-8599 Nov 12 j 05:35	0°♑	
asc. node	-8599 Dec 23 j 06:51	18°♑30'14	
	-8598 Jan 13 j 22:15	0°♒	
	-8598 Mar 06 j 12:20	0°♓	
	-8598 Apr 23 j 01:38	0°♈	
	-8598 Jun 06 j 15:12	0°♉	
evening set	-8598 Jun 22 j 14:40	11°♉12'43	
max. Earth dist.	-8598 Jul 08 j 15:45	22°♉42'33	2.45774 AU
	-8598 Jul 18 j 15:57	0°♊	
conjunction	-8598 Aug 15 j 18:02	20°♊54'19	1°04'16
minimum elong	-8598 Aug 15 j 20:02	20°♊58'05	1°04'48
	-8598 Aug 27 j 17:36	0°♋	
	-8598 Oct 05 j 13:26	0°♌	
morning rise	-8598 Oct 14 j 05:15	6°♌45'27	
	-8598 Nov 12 j 23:32	0°♍	
desc. node	-8598 Nov 29 j 10:03	12°♍45'51	
	-8598 Dec 21 j 20:53	0°♎	
	-8597 Jan 31 j 02:39	0°♏	
	-8597 Mar 14 j 15:54	0°♐	
	-8597 Apr 29 j 22:24	0°♑	
	-8597 Jun 23 j 15:33	0°♒	
retrograde	-8597 Aug 20 j 05:53	15°♒52'52	
min. Earth dist.	-8597 Sep 28 j 08:06	6°♒24'53	0.66414 AU
opposition	-8597 Sep 29 j 02:58	6°♒05'51	-1°36'56
greatest brilliancy	-8597 Sep 29 j 02:23	6°♒06'27	-1.4m
	-8597 Oct 15 j 18:34	30°℞♑	
direct	-8597 Nov 08 j 01:35	26°♑27'00	
asc. node	-8597 Nov 10 j 12:16	26°♑29'13	
	-8597 Dec 03 j 11:59	0°♒	
	-8596 Feb 10 j 16:27	0°♓	
	-8596 Apr 01 j 12:08	0°♈	
	-8596 May 17 j 01:43	0°♉	
	-8596 Jun 28 j 07:32	0°♊	
	-8596 Aug 07 j 06:38	0°♋	
evening set	-8596 Aug 16 j 05:13	6°♋52'53	
	-8596 Sep 14 j 21:23	0°♌	
desc. node	-8596 Oct 16 j 04:36	24°♌35'02	
conjunction	-8596 Oct 17 j 12:55	25°♌38'24	-0°01'02
minimum elong	-8596 Oct 17 j 12:51	25°♌38'15	0°00'40
behind sun begin	-8596 Oct 16 j 09:28	24°♌44'35	
behind sun end	-8596 Oct 18 j 16:13	26°♌31'54	
	-8596 Oct 23 j 02:28	0°♍	
max. Earth dist.	-8596 Nov 13 j 21:00	16°♍57'45	2.38628 AU
	-8596 Nov 30 j 19:38	0°♎	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

morning rise	-8596 Dec 22 j 12:07	16°♎24'39	
	-8595 Jan 09 j 20:22	0°♏	
	-8595 Feb 20 j 21:06	0°♐	
	-8595 Apr 06 j 11:27	0°♑	
	-8595 May 24 j 11:59	0°♒	
	-8595 Jul 18 j 08:30	0°♓	
retrograde	-8595 Sep 23 j 18:24	19°♓53'39	
asc. node	-8595 Sep 27 j 16:25	19°♓47'44	
opposition	-8595 Nov 01 j 16:22	10°♓43'05	1°21'47
greatest brilliancy	-8595 Nov 01 j 19:02	10°♓40'27	-1.4m
min. Earth dist.	-8595 Nov 04 j 14:38	9°♓33'25	0.65246 AU
direct	-8595 Dec 12 j 14:58	0°♓43'27	
	-8594 Mar 07 j 02:10	0°♈	
	-8594 Apr 25 j 07:57	0°♉	
	-8594 Jun 07 j 17:31	0°♊	
	-8594 Jul 18 j 02:35	0°♋	
	-8594 Aug 25 j 21:42	0°♌	
desc. node	-8594 Sep 03 j 01:06	6°♌22'04	
	-8594 Oct 03 j 06:07	0°♍	
evening set	-8594 Oct 21 j 14:07	14°♍14'19	
	-8594 Nov 11 j 03:13	0°♎	
	-8594 Dec 21 j 08:06	0°♏	
conjunction	-8594 Dec 22 j 06:32	0°♏40'56	-1°05'02
minimum elong	-8594 Dec 22 j 04:21	0°♏36'58	1°05'15
max. Earth dist.	-8593 Jan 31 j 22:30	29°♏39'20	2.50528 AU
	-8593 Feb 01 j 10:23	0°♐	
morning rise	-8593 Feb 18 j 17:19	11°♐54'01	
	-8593 Mar 17 j 16:28	0°♑	
	-8593 May 03 j 03:55	0°♒	
	-8593 Jun 21 j 03:33	0°♓	
	-8593 Aug 13 j 19:56	0°♈	
asc. node	-8593 Aug 15 j 16:15	0°♈56'34	
retrograde	-8593 Nov 03 j 04:50	26°♈36'21	
opposition	-8593 Dec 10 j 01:23	18°♈28'15	4°22'24
greatest brilliancy	-8593 Dec 10 j 22:55	18°♈07'54	-1.7m
min. Earth dist.	-8593 Dec 16 j 13:03	16°♈01'29	0.58043 AU
direct	-8592 Jan 19 j 08:11	8°♈48'42	
	-8592 Mar 25 j 14:08	0°♉	
	-8592 May 13 j 12:51	0°♊	
	-8592 Jun 24 j 18:33	0°♋	
desc. node	-8592 Jul 21 j 01:38	19°♋44'07	
	-8592 Aug 03 j 12:20	0°♌	
	-8592 Sep 11 j 12:56	0°♍	
	-8592 Oct 21 j 00:28	0°♎	
	-8592 Nov 30 j 18:49	0°♏	
evening set	-8592 Dec 19 j 06:26	13°♏11'43	
	-8591 Jan 12 j 08:19	0°♐	
conjunction	-8591 Feb 11 j 12:53	20°♐29'52	-1°05'45
minimum elong	-8591 Feb 11 j 14:17	20°♐32'13	1°06'17
	-8591 Feb 25 j 19:42	0°♑	
max. Earth dist.	-8591 Mar 05 j 07:44	4°♑56'41	2.60804 AU
morning rise	-8591 Apr 03 j 14:15	23°♑59'01	
	-8591 Apr 12 j 23:04	0°♒	
	-8591 May 30 j 08:10	0°♓	
asc. node	-8591 Jul 02 j 11:17	20°♓35'09	
	-8591 Jul 17 j 19:50	0°♈	
	-8591 Sep 06 j 09:28	0°♉	
	-8591 Nov 03 j 19:25	0°♊	
retrograde	-8591 Dec 25 j 22:27	13°♊03'25	
opposition	-8590 Jan 28 j 06:17	6°♊38'58	6°14'54
greatest brilliancy	-8590 Jan 30 j 01:19	6°♊03'45	-2.3m
min. Earth dist.	-8590 Feb 05 j 11:57	3°♊58'07	0.46143 AU
	-8590 Feb 20 j 23:02	30°℞♉	
direct	-8590 Mar 05 j 21:06	28°♉51'37	
	-8590 Mar 18 j 21:31	0°♊	
	-8590 May 24 j 20:31	0°♋	
desc. node	-8590 Jun 08 j 06:30	9°♋15'45	
	-8590 Jul 08 j 10:32	0°♌	
	-8590 Aug 18 j 23:28	0°♍	
	-8590 Sep 29 j 05:08	0°♎	
	-8590 Nov 10 j 08:01	0°♏	
	-8590 Dec 23 j 22:19	0°♐	
evening set	-8589 Feb 04 j 11:42	28°♐17'36	
	-8589 Feb 07 j 02:16	0°♑	
	-8589 Mar 25 j 11:25	0°♒	
conjunction	-8589 Mar 26 j 00:19	0°♒20'41	-0°30'44
minimum elong	-8589 Mar 26 j 01:29	0°♒22'32	0°31'15
max. Earth dist.	-8589 Mar 31 j 08:19	3°♒45'46	2.66090 AU
	-8589 May 11 j 09:55	0°♓	
morning rise	-8589 May 12 j 05:51	0°♓31'49	
asc. node	-8589 May 20 j 03:30	5°♓34'34	
	-8589 Jun 27 j 06:38	0°♈	
	-8589 Aug 12 j 18:39	0°♉	
	-8589 Sep 28 j 03:47	0°♊	
	-8589 Nov 14 j 09:59	0°♋	
	-8588 Jan 04 j 23:16	0°♌	
retrograde	-8588 Mar 10 j 18:26	21°♌02'10	
opposition	-8588 Apr 10 j 13:27	15°♌51'03	1°11'21
min. Earth dist.	-8588 Apr 10 j 05:18	15°♌56'30	0.38035 AU
greatest brilliancy	-8588 Apr 10 j 14:51	15°♌50'06	-3.0m
desc. node	-8588 Apr 25 j 11:02	12°♌15'51	
direct	-8588 May 10 j 23:28	10°♌45'18	
	-8588 Jul 11 j 06:52	0°♍	
	-8588 Aug 31 j 06:44	0°♎	
	-8588 Oct 16 j 21:25	0°♏	
	-8588 Dec 02 j 01:58	0°♐	
	-8587 Jan 17 j 19:06	0°♑	
	-8587 Mar 05 j 23:44	0°♒	
evening set	-8587 Mar 16 j 01:40	6°♒24'06	
asc. node	-8587 Apr 05 j 21:26	19°♒38'59	
	-8587 Apr 22 j 02:04	0°♓	
max. Earth dist.	-8587 Apr 23 j 12:47	0°♓55'37	2.65993 AU
conjunction	-8587 May 02 j 16:46	6°♓48'53	0°15'22
minimum elong	-8587 May 02 j 16:12	6°♓47'58	0°15'06
behind sun begin	-8587 May 02 j 10:13	6°♓38'20	
behind sun end	-8587 May 02 j 22:11	6°♓57'35	
	-8587 Jun 07 j 09:34	0°♈	
morning rise	-8587 Jun 17 j 21:29	6°♈54'33	
	-8587 Jul 22 j 10:45	0°♉	
	-8587 Sep 04 j 02:57	0°♊	
	-8587 Oct 16 j 15:34	0°♋	
	-8587 Nov 27 j 11:54	0°♌	
	-8586 Jan 08 j 14:15	0°♍	
	-8586 Feb 22 j 05:07	0°♎	
desc. node	-8586 Mar 13 j 13:02	11°♎35'53	
	-8586 Apr 23 j 14:34	0°♏	
retrograde	-8586 May 16 j 12:25	3°♏28'42	
	-8586 Jun 07 j 18:12	30°℞♎	
min. Earth dist.	-8586 Jun 13 j 13:51	28°♎10'41	0.45975 AU
greatest brilliancy	-8586 Jun 20 j 03:01	25°♎56'31	-2.4m
opposition	-8586 Jun 21 j 16:21	25°♎24'20	-5°28'52
direct	-8586 Jul 24 j 08:59	18°♎49'10	
	-8586 Sep 08 j 16:53	0°♏	
	-8586 Nov 06 j 14:44	0°♐	
	-8586 Dec 27 j 14:53	0°♑	
	-8585 Feb 14 j 17:55	0°♒	
asc. node	-8585 Feb 21 j 19:13	4°♒22'13	
	-8585 Apr 03 j 15:09	0°♓	
evening set	-8585 Apr 24 j 03:43	13°♓08'46	
max. Earth dist.	-8585 May 19 j 07:38	29°♓33'43	2.60628 AU

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8585 May 19 j 23:34	0°♈	
conjunction	-8585 Jun 11 j 06:15	14°♈51'34	0°56'25
minimum elong	-8585 Jun 11 j 04:43	14°♈48'58	0°56'29
	-8585 Jul 03 j 11:13	0°♉	
morning rise	-8585 Jul 29 j 11:36	18°♉10'47	
	-8585 Aug 15 j 00:59	0°♊	
	-8585 Sep 24 j 23:50	0°♋	
	-8585 Nov 03 j 20:15	0°♌	
	-8585 Dec 13 j 07:32	0°♍	
	-8584 Jan 22 j 09:08	0°♎	
desc. node	-8584 Jan 29 j 11:54	5°♎12'37	
	-8584 Mar 04 j 12:47	0°♏	
	-8584 Apr 21 j 06:06	0°♐	
retrograde	-8584 Jun 30 j 11:04	24°♐06'28	
min. Earth dist.	-8584 Aug 02 j 20:06	16°♐40'49	0.57895 AU
opposition	-8584 Aug 08 j 18:10	14°♐21'32	-5°05'49
greatest brilliancy	-8584 Aug 07 j 18:38	14°♐44'37	-1.7m
direct	-8584 Sep 14 j 05:45	6°♐00'15	
	-8584 Nov 29 j 04:34	0°♑	
asc. node	-8583 Jan 08 j 20:52	21°♑44'08	
	-8583 Jan 23 j 07:49	0°♒	
	-8583 Mar 14 j 06:54	0°♓	
	-8583 Apr 30 j 07:32	0°♈	
evening set	-8583 Jun 04 j 06:51	23°♈27'48	
	-8583 Jun 13 j 18:16	0°♉	
max. Earth dist.	-8583 Jun 20 j 13:36	4°♉44'41	2.50553 AU
conjunction	-8583 Jul 25 j 21:24	0°♊01'02	1°11'58
minimum elong	-8583 Jul 25 j 21:49	0°♊01'49	1°12'25
	-8583 Jul 25 j 20:50	0°♊	
	-8583 Sep 04 j 02:29	0°♋	
morning rise	-8583 Sep 19 j 01:26	11°♋25'11	
	-8583 Oct 13 j 03:06	0°♌	
	-8583 Nov 20 j 17:37	0°♍	
desc. node	-8583 Dec 16 j 06:26	19°♍41'42	
	-8583 Dec 29 j 19:03	0°♎	
	-8582 Feb 08 j 06:11	0°♏	
	-8582 Mar 23 j 07:25	0°♐	
	-8582 May 10 j 05:20	0°♑	
	-8582 Jul 17 j 03:03	0°♒	
retrograde	-8582 Aug 06 j 15:22	2°♒32'07	
	-8582 Aug 25 j 21:15	30°℞♑	
min. Earth dist.	-8582 Sep 13 j 09:01	23°♑32'07	0.65188 AU
opposition	-8582 Sep 15 j 15:07	22°♑37'36	-2°42'13
greatest brilliancy	-8582 Sep 15 j 10:44	22°♑42'01	-1.4m
direct	-8582 Oct 24 j 20:26	13°♑14'29	
asc. node	-8582 Nov 27 j 01:58	19°♑02'25	
	-8582 Dec 25 j 05:18	0°♒	
	-8581 Feb 20 j 11:24	0°♓	
	-8581 Apr 10 j 13:36	0°♈	
	-8581 May 25 j 14:48	0°♉	
	-8581 Jul 06 j 17:18	0°♊	
evening set	-8581 Jul 24 j 21:45	13°♊29'16	
	-8581 Aug 15 j 16:25	0°♋	
max. Earth dist.	-8581 Aug 28 j 06:30	9°♋41'23	2.39011 AU
conjunction	-8581 Sep 22 j 04:21	29°♋05'18	0°30'48
minimum elong	-8581 Sep 22 j 06:49	29°♋10'08	0°31'16
	-8581 Sep 23 j 08:17	0°♌	
	-8581 Oct 31 j 14:19	0°♍	
desc. node	-8581 Nov 02 j 23:29	1°♍51'47	
morning rise	-8581 Nov 26 j 10:51	20°♍06'27	
	-8581 Dec 09 j 07:58	0°♎	
	-8580 Jan 18 j 09:09	0°♏	
	-8580 Feb 29 j 11:57	0°♐	
	-8580 Apr 14 j 11:19	0°♑	
	-8580 Jun 02 j 20:39	0°♒	
	-8580 Aug 04 j 20:19	0°♓	
retrograde	-8580 Sep 09 j 16:25	6°♓47'38	
	-8580 Oct 12 j 07:39	30°℞♒	
asc. node	-8580 Oct 14 j 06:48	29°♒14'38	
opposition	-8580 Oct 19 j 02:30	27°♒19'57	0°11'13
greatest brilliancy	-8580 Oct 19 j 02:43	27°♒19'45	-1.4m
min. Earth dist.	-8580 Oct 20 j 13:52	26°♒44'35	0.66457 AU
direct	-8580 Nov 28 j 19:50	17°♒24'53	
	-8579 Jan 19 j 02:13	0°♓	
	-8579 Mar 17 j 19:03	0°♈	
	-8579 May 04 j 00:07	0°♉	
	-8579 Jun 15 j 19:00	0°♊	
	-8579 Jul 25 j 22:23	0°♋	
	-8579 Sep 02 j 14:29	0°♌	
desc. node	-8579 Sep 19 j 20:19	13°♌31'56	
evening set	-8579 Sep 25 j 07:59	17°♌50'22	
	-8579 Oct 10 j 20:14	0°♍	
	-8579 Nov 18 j 14:25	0°♎	
conjunction	-8579 Nov 27 j 23:55	7°♎08'33	-0°47'28
minimum elong	-8579 Nov 27 j 20:45	7°♎02'33	0°47'26
	-8579 Dec 28 j 16:16	0°♏	
max. Earth dist.	-8578 Jan 12 j 23:49	11°♏07'02	2.45548 AU
morning rise	-8578 Jan 29 j 02:45	22°♏36'01	
	-8578 Feb 08 j 16:12	0°♐	
	-8578 Mar 24 j 23:00	0°♑	
	-8578 May 10 j 19:04	0°♒	
	-8578 Jun 30 j 02:16	0°♓	
	-8578 Aug 28 j 18:29	0°♈	
asc. node	-8578 Sep 01 j 08:02	1°♈25'32	
retrograde	-8578 Oct 17 j 12:00	11°♈51'04	
opposition	-8578 Nov 24 j 07:29	3°♈14'39	3°13'47
greatest brilliancy	-8578 Nov 24 j 19:41	3°♈02'50	-1.6m
min. Earth dist.	-8578 Nov 29 j 10:47	1°♈15'23	0.61567 AU
	-8578 Dec 02 j 18:39	30°℞♓	
direct	-8577 Jan 04 j 02:41	23°♓20'17	
	-8577 Feb 07 j 20:48	0°♈	
	-8577 Apr 08 j 22:07	0°♉	
	-8577 May 24 j 12:25	0°♊	
	-8577 Jul 04 j 17:27	0°♋	
desc. node	-8577 Aug 07 j 19:45	26°♋01'33	
	-8577 Aug 12 j 23:04	0°♌	
	-8577 Sep 20 j 14:55	0°♍	
	-8577 Oct 29 j 18:40	0°♎	
evening set	-8577 Nov 28 j 15:31	22°♎15'48	
	-8577 Dec 09 j 05:48	0°♏	
	-8576 Jan 20 j 12:59	0°♐	
conjunction	-8576 Jan 24 j 17:20	2°♐53'23	-1°11'36
minimum elong	-8576 Jan 24 j 17:49	2°♐54'12	1°12'03
max. Earth dist.	-8576 Feb 22 j 23:05	22°♐44'56	2.57294 AU
	-8576 Mar 04 j 20:27	0°♑	
morning rise	-8576 Mar 18 j 05:48	8°♑49'06	
	-8576 Apr 20 j 00:26	0°♒	
	-8576 Jun 06 j 19:21	0°♓	
asc. node	-8576 Jul 19 j 04:19	25°♓39'39	
	-8576 Jul 26 j 13:10	0°♈	
	-8576 Sep 19 j 02:35	0°♉	
retrograde	-8576 Dec 02 j 14:52	23°♉19'19	
opposition	-8575 Jan 06 j 13:33	16°♉08'44	5°51'32
greatest brilliancy	-8575 Jan 08 j 03:14	15°♉35'32	-2.0m
min. Earth dist.	-8575 Jan 14 j 16:31	13°♉17'50	0.51102 AU
direct	-8575 Feb 14 j 02:52	7°♉22'08	
	-8575 Apr 21 j 21:55	0°♊	
	-8575 Jun 07 j 20:55	0°♋	
desc. node	-8575 Jun 24 j 21:44	12°♋03'11	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8575 Jul 19 j 10:36	0°♌	
	-8575 Aug 28 j 13:21	0°♍	
	-8575 Oct 07 j 20:28	0°♎	
	-8575 Nov 18 j 06:41	0°♏	
	-8575 Dec 31 j 08:24	0°♐	
evening set	-8574 Jan 18 j 05:05	12°♐05'29	
	-8574 Feb 14 j 03:49	0°♑	
conjunction	-8574 Mar 10 j 05:16	15°♑42'40	-0°46'40
minimum elong	-8574 Mar 10 j 06:51	15°♑45'14	0°47'12
max. Earth dist.	-8574 Mar 21 j 14:26	23°♑04'21	2.64635 AU
	-8574 Apr 01 j 08:50	0°♒	
morning rise	-8574 Apr 27 j 14:23	16°♒46'32	
	-8574 May 18 j 09:14	0°♓	
asc. node	-8574 Jun 05 j 21:53	11°♓45'29	
	-8574 Jul 04 j 16:46	0°♈	
	-8574 Aug 21 j 06:12	0°♉	
	-8574 Oct 08 j 22:12	0°♊	
	-8574 Dec 01 j 02:51	0°♋	
retrograde	-8573 Feb 08 j 05:06	21°♋43'23	
opposition	-8573 Mar 11 j 05:57	16°♋27'32	4°29'16
greatest brilliancy	-8573 Mar 12 j 04:23	16°♋11'49	-2.8m
min. Earth dist.	-8573 Mar 15 j 22:20	15°♋09'15	0.39593 AU
direct	-8573 Apr 12 j 12:32	10°♋38'42	
desc. node	-8573 May 13 j 02:25	16°♋25'34	
	-8573 Jun 11 j 19:15	0°♌	
	-8573 Jul 30 j 20:24	0°♍	
	-8573 Sep 13 j 08:10	0°♎	
	-8573 Oct 27 j 09:28	0°♏	
	-8573 Dec 11 j 05:28	0°♐	
	-8572 Jan 26 j 04:10	0°♑	
evening set	-8572 Feb 29 j 17:00	22°♑10'36	
	-8572 Mar 12 j 23:00	0°♒	
max. Earth dist.	-8572 Apr 14 j 05:44	20°♒36'00	2.66669 AU
conjunction	-8572 Apr 17 j 19:15	22°♒52'38	-0°02'49
minimum elong	-8572 Apr 17 j 19:24	22°♒52'52	0°03'13
behind sun begin	-8572 Apr 17 j 00:10	22°♒22'08	
behind sun end	-8572 Apr 18 j 14:38	23°♒23'36	
asc. node	-8572 Apr 22 j 15:01	25°♒57'47	
	-8572 Apr 28 j 22:19	0°♓	
morning rise	-8572 Jun 03 j 02:26	22°♓39'47	
	-8572 Jun 14 j 09:13	0°♈	
	-8572 Jul 29 j 20:40	0°♉	
	-8572 Sep 12 j 07:19	0°♊	
	-8572 Oct 25 j 23:59	0°♋	
	-8572 Dec 08 j 14:21	0°♌	
	-8571 Jan 22 j 19:02	0°♍	
	-8571 Mar 18 j 23:43	0°♎	
desc. node	-8571 Mar 30 j 06:35	3°♎59'06	
retrograde	-8571 Apr 23 j 16:53	7°♎52'36	
min. Earth dist.	-8571 May 20 j 15:09	3°♎14'14	0.41407 AU
opposition	-8571 May 27 j 15:15	1°♎05'32	-4°00'12
greatest brilliancy	-8571 May 26 j 13:16	1°♎25'33	-2.7m
	-8571 May 31 j 05:44	30°℞♍	
direct	-8571 Jun 27 j 16:38	25°♍22'20	
	-8571 Jul 25 j 17:45	0°♎	
	-8571 Sep 27 j 15:36	0°♏	
	-8571 Nov 17 j 06:11	0°♐	
	-8570 Jan 04 j 23:01	0°♑	
	-8570 Feb 22 j 02:55	0°♒	
asc. node	-8570 Mar 10 j 10:58	10°♒15'23	
evening set	-8570 Apr 08 j 20:38	28°♒52'53	
	-8570 Apr 10 j 14:42	0°♓	
max. Earth dist.	-8570 May 08 j 18:34	18°♓08'16	2.63332 AU
conjunction	-8570 May 26 j 11:24	29°♓43'18	0°42'08
minimum elong	-8570 May 26 j 10:01	29°♓41'00	0°42'03
	-8570 May 26 j 21:33	0°♈	
	-8570 Jul 10 j 13:02	0°♉	
morning rise	-8570 Jul 12 j 11:04	1°♉18'56	
	-8570 Aug 22 j 11:01	0°♊	
	-8570 Oct 02 j 21:09	0°♋	
	-8570 Nov 12 j 07:06	0°♌	
	-8570 Dec 22 j 09:55	0°♍	
	-8569 Feb 01 j 09:05	0°♎	
desc. node	-8569 Feb 15 j 05:38	9°♎47'15	
	-8569 Mar 17 j 10:19	0°♏	
	-8569 May 13 j 06:57	0°♐	
retrograde	-8569 Jun 15 j 03:23	6°♐39'09	
min. Earth dist.	-8569 Jul 16 j 11:06	0°♐01'04	0.53581 AU
	-8569 Jul 16 j 12:14	30°℞♏	
greatest brilliancy	-8569 Jul 22 j 06:47	27°♏48'36	-1.9m
opposition	-8569 Jul 23 j 15:01	27°♏17'56	-5°40'09
direct	-8569 Aug 27 j 17:02	19°♏32'10	
	-8569 Oct 12 j 04:15	0°♐	
	-8569 Dec 11 j 23:59	0°♑	
asc. node	-8568 Jan 26 j 11:04	26°♑13'05	
	-8568 Feb 01 j 19:15	0°♒	
	-8568 Mar 21 j 17:26	0°♓	
	-8568 May 07 j 10:03	0°♈	
evening set	-8568 May 18 j 04:48	7°♈08'32	
max. Earth dist.	-8568 Jun 06 j 01:32	19°♈50'54	2.54993 AU
	-8568 Jun 20 j 20:14	0°♉	
conjunction	-8568 Jul 06 j 23:05	11°♉16'24	1°10'48
minimum elong	-8568 Jul 06 j 22:17	11°♉15'00	1°11'07
	-8568 Aug 02 j 02:22	0°♊	
morning rise	-8568 Aug 27 j 15:46	18°♊49'11	
	-8568 Sep 11 j 13:26	0°♋	
	-8568 Oct 20 j 20:06	0°♌	
	-8568 Nov 28 j 16:28	0°♍	
desc. node	-8567 Jan 02 j 02:24	26°♍18'35	
	-8567 Jan 06 j 23:52	0°♎	
	-8567 Feb 16 j 20:01	0°♏	
	-8567 Apr 01 j 18:47	0°♐	
	-8567 May 23 j 03:28	0°♑	
retrograde	-8567 Jul 23 j 18:20	18°♑36'47	
min. Earth dist.	-8567 Aug 28 j 22:56	10°♑09'24	0.63036 AU
opposition	-8567 Sep 01 j 16:09	8°♑39'56	-3°43'28
greatest brilliancy	-8567 Sep 01 j 05:39	8°♑50'27	-1.5m
	-8567 Oct 02 j 06:07	30°℞♐	
direct	-8567 Oct 09 j 23:39	29°♐36'50	
	-8567 Oct 17 j 22:57	0°♑	
asc. node	-8567 Dec 13 j 14:33	17°♑54'20	
	-8566 Jan 07 j 01:39	0°♒	
	-8566 Mar 01 j 03:44	0°♓	
	-8566 Apr 18 j 04:53	0°♈	
	-8566 Jun 01 j 22:42	0°♉	
evening set	-8566 Jul 03 j 17:40	22°♉30'33	
	-8566 Jul 14 j 00:36	0°♊	
max. Earth dist.	-8566 Jul 21 j 20:52	5°♊46'31	2.43149 AU
	-8566 Aug 23 j 01:41	0°♋	
conjunction	-8566 Aug 28 j 13:23	4°♋12'02	0°55'12
minimum elong	-8566 Aug 28 j 16:04	4°♋17'11	0°55'45
	-8566 Sep 30 j 20:17	0°♌	
morning rise	-8566 Oct 29 j 10:48	22°♌23'02	
	-8566 Nov 08 j 04:37	0°♍	
desc. node	-8566 Nov 19 j 20:52	9°♍05'47	
	-8566 Dec 16 j 23:49	0°♎	
	-8565 Jan 26 j 02:38	0°♏	
	-8565 Mar 09 j 09:45	0°♐	
	-8565 Apr 24 j 00:17	0°♑	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8565 Jun 14 j 21:27	0°♒	
retrograde	-8565 Aug 28 j 00:44	23°♒50'06	
opposition	-8565 Oct 06 j 19:26	14°♒08'52	-0°57'39
greatest brilliancy	-8565 Oct 06 j 19:47	14°♒08'31	-1.4m
min. Earth dist.	-8565 Oct 06 j 19:48	14°♒08'30	0.66695 AU
asc. node	-8565 Oct 31 j 19:40	5°♒54'19	
direct	-8565 Nov 16 j 02:32	4°♒23'02	
	-8564 Feb 03 j 10:37	0°♓	
	-8564 Mar 26 j 23:41	0°♈	
	-8564 May 12 j 01:30	0°♉	
	-8564 Jun 23 j 11:52	0°♊	
	-8564 Aug 02 j 12:29	0°♋	
evening set	-8564 Aug 30 j 07:08	21°♋30'17	
	-8564 Sep 10 j 03:43	0°♌	
desc. node	-8564 Oct 06 j 14:54	20°♌47'18	
	-8564 Oct 18 j 08:45	0°♍	
conjunction	-8564 Nov 01 j 16:58	11°♍11'49	-0°19'33
minimum elong	-8564 Nov 01 j 15:11	11°♍08'21	0°19'17
	-8564 Nov 26 j 01:42	0°♎	
max. Earth dist.	-8564 Dec 14 j 08:37	13°♎51'55	2.40692 AU
morning rise	-8563 Jan 05 j 19:58	0°♏32'51	
	-8563 Jan 05 j 02:02	0°♏	
	-8563 Feb 16 j 01:09	0°♐	
	-8563 Apr 01 j 10:52	0°♑	
	-8563 May 18 j 21:07	0°♒	
	-8563 Jul 10 j 10:03	0°♓	
asc. node	-8563 Sep 17 j 22:49	26°♓49'26	
retrograde	-8563 Oct 02 j 03:19	28°♓00'35	
opposition	-8563 Nov 09 j 17:18	19°♓00'54	2°02'57
greatest brilliancy	-8563 Nov 09 j 22:37	18°♓55'39	-1.5m
min. Earth dist.	-8563 Nov 13 j 10:36	17°♓33'01	0.64199 AU
direct	-8563 Dec 20 j 16:52	9°♓01'09	
	-8562 Feb 26 j 22:32	0°♈	
	-8562 Apr 19 j 09:39	0°♉	
	-8562 Jun 02 j 10:22	0°♊	
	-8562 Jul 13 j 01:26	0°♋	
	-8562 Aug 20 j 23:38	0°♌	
desc. node	-8562 Aug 24 j 12:33	2°♌45'30	
	-8562 Sep 28 j 09:53	0°♍	
evening set	-8562 Nov 04 j 21:23	28°♍53'34	
	-8562 Nov 06 j 08:20	0°♎	
	-8562 Dec 16 j 14:27	0°♏	
conjunction	-8561 Jan 04 j 00:17	13°♏17'31	-1°10'05
minimum elong	-8561 Jan 03 j 23:07	13°♏15'27	1°10'26
	-8561 Jan 27 j 17:20	0°♐	
max. Earth dist.	-8561 Feb 09 j 19:33	9°♐01'54	2.53114 AU
morning rise	-8561 Mar 01 j 13:26	22°♐24'40	
	-8561 Mar 12 j 22:46	0°♑	
	-8561 Apr 28 j 05:51	0°♒	
	-8561 Jun 15 j 15:58	0°♓	
asc. node	-8561 Aug 05 j 21:44	29°♓42'46	
	-8561 Aug 06 j 10:18	0°♈	
	-8561 Oct 10 j 12:24	0°♉	
retrograde	-8561 Nov 13 j 13:04	6°♉05'32	
	-8561 Dec 15 j 00:34	30°℞♈	
opposition	-8561 Dec 19 j 19:29	28°♈15'48	4°58'43
greatest brilliancy	-8561 Dec 20 j 22:54	27°♈50'25	-1.8m
min. Earth dist.	-8561 Dec 26 j 23:41	25°♈36'52	0.55763 AU
direct	-8560 Jan 28 j 15:25	18°♈50'20	
	-8560 Mar 13 j 18:53	0°♉	
	-8560 May 06 j 10:47	0°♊	
	-8560 Jun 18 j 18:35	0°♋	
desc. node	-8560 Jul 11 j 14:16	16°♋51'43	
	-8560 Jul 29 j 00:05	0°♌	
	-8560 Sep 06 j 07:46	0°♍	
	-8560 Oct 16 j 00:19	0°♎	
	-8560 Nov 25 j 22:41	0°♏	
evening set	-8560 Dec 30 j 14:26	24°♏27'38	
	-8559 Jan 07 j 14:58	0°♐	
conjunction	-8559 Feb 21 j 13:41	0°♑15'53	-0°59'52
minimum elong	-8559 Feb 21 j 15:18	0°♑18'34	1°00'25
	-8559 Feb 21 j 04:04	0°♑	
max. Earth dist.	-8559 Mar 11 j 13:21	12°♑04'02	2.62389 AU
	-8559 Apr 08 j 06:57	0°♒	
morning rise	-8559 Apr 12 j 12:55	2°♒43'24	
	-8559 May 25 j 11:51	0°♓	
asc. node	-8559 Jun 22 j 16:07	17°♓40'57	
	-8559 Jul 12 j 11:05	0°♈	
	-8559 Aug 30 j 15:12	0°♉	
	-8559 Oct 22 j 16:11	0°♊	
retrograde	-8558 Jan 09 j 22:28	26°♊12'30	
opposition	-8558 Feb 11 j 06:46	20°♊15'14	6°02'41
greatest brilliancy	-8558 Feb 12 j 23:16	19°♊43'43	-2.5m
min. Earth dist.	-8558 Feb 18 j 20:24	17°♊54'42	0.43474 AU
direct	-8558 Mar 18 j 11:26	13°♊09'20	
	-8558 May 12 j 12:03	0°♋	
desc. node	-8558 May 29 j 17:49	9°♋42'52	
	-8558 Jun 30 j 09:35	0°♌	
	-8558 Aug 12 j 09:45	0°♍	
	-8558 Sep 23 j 10:27	0°♎	
	-8558 Nov 05 j 01:45	0°♏	
	-8558 Dec 19 j 00:05	0°♐	
	-8557 Feb 02 j 09:12	0°♑	
evening set	-8557 Feb 13 j 20:55	7°♑28'07	
	-8557 Mar 20 j 20:45	0°♒	
conjunction	-8557 Apr 03 j 18:27	8°♒53'46	-0°20'45
minimum elong	-8557 Apr 03 j 19:16	8°♒55'04	0°21'14
max. Earth dist.	-8557 Apr 05 j 21:04	10°♒14'41	2.66532 AU
	-8557 May 06 j 19:02	0°♓	
asc. node	-8557 May 10 j 09:10	2°♓17'46	
morning rise	-8557 May 20 j 13:15	8°♓48'28	
	-8557 Jun 22 j 11:46	0°♈	
	-8557 Aug 07 j 13:42	0°♉	
	-8557 Sep 22 j 02:53	0°♊	
	-8557 Nov 06 j 16:37	0°♋	
	-8557 Dec 23 j 19:32	0°♌	
	-8556 Feb 18 j 03:43	0°♍	
retrograde	-8556 Mar 27 j 16:53	8°♍42'07	
desc. node	-8556 Apr 15 j 22:24	6°♍23'09	
min. Earth dist.	-8556 Apr 25 j 01:38	4°♍03'21	0.38457 AU
opposition	-8556 Apr 28 j 09:24	3°♍08'12	-0°58'57
greatest brilliancy	-8556 Apr 28 j 05:28	3°♍10'55	-2.9m
	-8556 May 10 j 20:16	30°℞♌	
direct	-8556 May 28 j 13:06	28°♌01'23	
	-8556 Jun 15 j 06:44	0°♍	
	-8556 Aug 21 j 21:55	0°♎	
	-8556 Oct 10 j 04:49	0°♏	
	-8556 Nov 26 j 12:15	0°♐	
	-8555 Jan 12 j 19:04	0°♑	
	-8555 Mar 01 j 06:37	0°♒	
evening set	-8555 Mar 24 j 18:22	14°♒52'36	
asc. node	-8555 Mar 27 j 03:33	16°♒23'24	
	-8555 Apr 17 j 11:53	0°♓	
max. Earth dist.	-8555 Apr 29 j 02:24	7°♓26'53	2.65277 AU
conjunction	-8555 May 11 j 06:34	15°♓18'29	0°25'34
minimum elong	-8555 May 11 j 05:39	15°♓16'59	0°25'21
	-8555 Jun 02 j 19:07	0°♈	
morning rise	-8555 Jun 26 j 14:22	15°♈46'32	
	-8555 Jul 17 j 16:46	0°♉	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8555 Aug 30 j 02:14	0°♊	
	-8555 Oct 11 j 04:17	0°♋	
	-8555 Nov 21 j 10:03	0°♌	
	-8554 Jan 01 j 14:09	0°♍	
	-8554 Feb 13 j 06:44	0°♎	
desc. node	-8554 Mar 04 j 01:25	12°♎18'53	
	-8554 Apr 03 j 09:37	0°♏	
retrograde	-8554 May 27 j 23:08	16°♏39'40	
min. Earth dist.	-8554 Jun 26 j 03:02	10°♏53'36	0.48696 AU
greatest brilliancy	-8554 Jul 02 j 13:09	8°♏35'36	-2.2m
opposition	-8554 Jul 04 j 03:02	8°♏01'27	-5°46'38
direct	-8554 Aug 06 j 15:45	0°♏59'16	
	-8554 Oct 29 j 15:01	0°♐	
	-8554 Dec 21 j 19:11	0°♑	
	-8553 Feb 09 j 16:46	0°♒	
asc. node	-8553 Feb 12 j 01:22	1°♒26'39	
	-8553 Mar 29 j 22:01	0°♓	
evening set	-8553 May 03 j 02:46	21°♓57'17	
	-8553 May 15 j 09:24	0°♈	
max. Earth dist.	-8553 May 25 j 18:37	6°♈53'00	2.58812 AU
conjunction	-8553 Jun 20 j 15:46	24°♈21'30	1°03'03
minimum elong	-8553 Jun 20 j 14:20	24°♈19'03	1°03'13
	-8553 Jun 28 j 20:40	0°♉	
morning rise	-8553 Aug 08 j 20:44	28°♉56'31	
	-8553 Aug 10 j 07:56	0°♊	
	-8553 Sep 20 j 02:29	0°♋	
	-8553 Oct 29 j 17:42	0°♌	
	-8553 Dec 07 j 22:55	0°♍	
	-8552 Jan 16 j 16:13	0°♎	
desc. node	-8552 Jan 19 j 22:22	2°♎24'58	
	-8552 Feb 27 j 04:26	0°♏	
	-8552 Apr 12 j 21:26	0°♐	
	-8552 Jun 14 j 22:30	0°♑	
retrograde	-8552 Jul 09 j 05:01	3°♑39'20	
	-8552 Aug 01 j 01:38	30°℞♐	
min. Earth dist.	-8552 Aug 12 j 15:13	25°♐50'29	0.59942 AU
opposition	-8552 Aug 17 j 19:18	23°♐47'36	-4°38'43
greatest brilliancy	-8552 Aug 17 j 00:47	24°♐05'56	-1.6m
direct	-8552 Sep 24 j 00:03	15°♐09'54	
	-8552 Nov 19 j 14:33	0°♑	
asc. node	-8552 Dec 30 j 03:54	19°♑59'49	
	-8551 Jan 17 j 07:55	0°♒	
	-8551 Mar 09 j 04:54	0°♓	
	-8551 Apr 25 j 13:48	0°♈	
	-8551 Jun 09 j 03:17	0°♉	
evening set	-8551 Jun 14 j 13:03	3°♉45'41	
max. Earth dist.	-8551 Jun 30 j 03:08	14°♉45'21	2.47943 AU
	-8551 Jul 21 j 06:01	0°♊	
conjunction	-8551 Aug 06 j 10:35	11°♊56'43	1°08'48
minimum elong	-8551 Aug 06 j 11:54	11°♊59'10	1°09'18
	-8551 Aug 30 j 10:04	0°♋	
morning rise	-8551 Oct 02 j 21:47	25°♋46'27	
	-8551 Oct 08 j 08:19	0°♌	
	-8551 Nov 15 j 20:12	0°♍	
desc. node	-8551 Dec 06 j 16:18	16°♍08'36	
	-8551 Dec 24 j 18:32	0°♎	
	-8550 Feb 03 j 01:20	0°♏	
	-8550 Mar 17 j 17:19	0°♐	
	-8550 May 03 j 11:12	0°♑	
	-8550 Jun 30 j 01:28	0°♒	
retrograde	-8550 Aug 14 j 11:41	10°♒40'56	
min. Earth dist.	-8550 Sep 22 j 00:10	1°♒25'07	0.65980 AU
opposition	-8550 Sep 23 j 10:57	0°♒50'05	-2°04'38
greatest brilliancy	-8550 Sep 23 j 09:00	0°♒52'03	-1.4m
	-8550 Sep 25 j 12:49	30°℞♑	
direct	-8550 Nov 02 j 02:52	21°♑17'48	
asc. node	-8550 Nov 17 j 09:25	22°♑39'12	
	-8550 Dec 13 j 21:04	0°♒	
	-8549 Feb 14 j 06:55	0°♓	
	-8549 Apr 05 j 08:58	0°♈	
	-8549 May 20 j 18:23	0°♉	
	-8549 Jul 02 j 00:07	0°♊	
evening set	-8549 Aug 06 j 19:15	26°♊47'24	
	-8549 Aug 11 j 00:02	0°♋	
	-8549 Sep 18 j 15:40	0°♌	
conjunction	-8549 Oct 06 j 20:54	14°♌18'08	0°13'20
minimum elong	-8549 Oct 06 j 22:09	14°♌20'35	0°13'45
behind sun begin	-8549 Oct 06 j 07:17	13°♌51'22	
behind sun end	-8549 Oct 07 j 13:02	14°♌49'47	
max. Earth dist.	-8549 Oct 06 j 21:39	14°♌19'35	2.38009 AU
desc. node	-8549 Oct 24 j 10:41	28°♌05'46	
	-8549 Oct 26 j 21:00	0°♍	
	-8549 Dec 04 j 13:34	0°♎	
morning rise	-8549 Dec 11 j 22:03	5°♎36'27	
	-8548 Jan 13 j 13:20	0°♏	
	-8548 Feb 24 j 13:18	0°♐	
	-8548 Apr 09 j 05:16	0°♑	
	-8548 May 27 j 15:22	0°♒	
	-8548 Jul 23 j 15:37	0°♓	
retrograde	-8548 Sep 17 j 16:48	14°♓43'14	
asc. node	-8548 Oct 04 j 14:02	12°♓50'28	
opposition	-8548 Oct 26 j 21:11	5°♓24'30	0°52'01
greatest brilliancy	-8548 Oct 26 j 22:25	5°♓23'16	-1.4m
min. Earth dist.	-8548 Oct 29 j 03:50	4°♓30'06	0.65906 AU
	-8548 Nov 10 j 06:13	30°℞♒	
direct	-8548 Dec 06 j 18:37	25°♒26'20	
	-8547 Jan 04 j 15:18	0°♓	
	-8547 Mar 11 j 04:46	0°♈	
	-8547 Apr 28 j 12:55	0°♉	
	-8547 Jun 10 j 17:11	0°♊	
	-8547 Jul 21 j 00:27	0°♋	
	-8547 Aug 28 j 18:38	0°♌	
desc. node	-8547 Sep 10 j 06:43	9°♌47'37	
	-8547 Oct 06 j 01:44	0°♍	
evening set	-8547 Oct 10 j 05:38	3°♍15'01	
	-8547 Nov 13 j 20:48	0°♎	
conjunction	-8547 Dec 12 j 00:18	21°♎11'11	-0°58'48
minimum elong	-8547 Dec 11 j 21:30	21°♎05'58	0°58'54
	-8547 Dec 23 j 23:17	0°♏	
max. Earth dist.	-8546 Jan 24 j 15:18	22°♏45'45	2.48332 AU
	-8546 Feb 03 j 23:06	0°♐	
morning rise	-8546 Feb 10 j 02:39	4°♐16'04	
	-8546 Mar 20 j 03:53	0°♑	
	-8546 May 05 j 17:08	0°♒	
	-8546 Jun 24 j 03:03	0°♓	
	-8546 Aug 18 j 14:15	0°♈	
asc. node	-8546 Aug 22 j 14:21	1°♈54'08	
retrograde	-8546 Oct 26 j 19:25	20°♈34'15	
opposition	-8546 Dec 03 j 03:33	12°♈12'42	3°53'31
greatest brilliancy	-8546 Dec 03 j 20:45	11°♈56'15	-1.6m
min. Earth dist.	-8546 Dec 09 j 01:26	9°♈57'19	0.59727 AU
direct	-8545 Jan 12 j 17:33	2°♈25'08	
	-8545 Apr 01 j 04:08	0°♉	
	-8545 May 18 j 10:55	0°♊	
	-8545 Jun 29 j 05:20	0°♋	
desc. node	-8545 Jul 29 j 06:05	22°♋43'11	
	-8545 Aug 07 j 17:32	0°♌	
	-8545 Sep 15 j 13:46	0°♍	
	-8545 Oct 24 j 20:50	0°♎	
	-8545 Dec 04 j 10:51	0°♏	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

evening set	-8545 Dec 11 j 05:07	4°♏52'40	
	-8544 Jan 15 j 20:13	0°♐	
conjunction	-8544 Feb 04 j 16:04	13°♐34'18	-1°08'57
minimum elong	-8544 Feb 04 j 17:11	13°♐36'11	1°09'27
	-8544 Feb 29 j 04:37	0°♑	
max. Earth dist.	-8544 Feb 29 j 19:14	0°♑24'12	2.59337 AU
morning rise	-8544 Mar 27 j 17:50	18°♑02'58	
	-8544 Apr 15 j 07:04	0°♒	
	-8544 Jun 01 j 19:23	0°♓	
asc. node	-8544 Jul 09 j 10:16	23°♓09'43	
	-8544 Jul 20 j 17:55	0°♈	
	-8544 Sep 10 j 15:29	0°♉	
	-8544 Nov 16 j 11:19	0°♊	
retrograde	-8544 Dec 15 j 08:25	4°♊32'52	
	-8543 Jan 11 j 14:57	30°℞♉	
opposition	-8543 Jan 18 j 10:03	27°♉47'01	6°09'30
greatest brilliancy	-8543 Jan 20 j 03:56	27°♉11'30	-2.2m
min. Earth dist.	-8543 Jan 26 j 18:19	24°♉57'53	0.48375 AU
direct	-8543 Feb 25 j 00:44	19°♉30'09	
	-8543 Apr 08 j 09:47	0°♊	
	-8543 May 30 j 23:44	0°♋	
desc. node	-8543 Jun 15 j 10:31	10°♋27'50	
	-8543 Jul 12 j 22:37	0°♌	
	-8543 Aug 22 j 17:48	0°♍	
	-8543 Oct 02 j 11:21	0°♎	
	-8543 Nov 13 j 05:06	0°♏	
	-8543 Dec 26 j 12:17	0°♐	
evening set	-8542 Jan 28 j 06:12	21°♐57'09	
	-8542 Feb 09 j 11:17	0°♑	
conjunction	-8542 Mar 19 j 09:10	24°♑37'30	-0°37'40
minimum elong	-8542 Mar 19 j 10:32	24°♑39'42	0°38'11
max. Earth dist.	-8542 Mar 27 j 07:39	29°♑43'44	2.65551 AU
	-8542 Mar 27 j 17:47	0°♒	
morning rise	-8542 May 06 j 01:29	25°♒07'56	
	-8542 May 13 j 16:49	0°♓	
asc. node	-8542 May 27 j 02:51	8°♓33'04	
	-8542 Jun 29 j 17:55	0°♈	
	-8542 Aug 15 j 16:09	0°♉	
	-8542 Oct 01 j 21:57	0°♊	
	-8542 Nov 20 j 01:21	0°♋	
	-8541 Jan 18 j 04:49	0°♌	
retrograde	-8541 Feb 26 j 00:11	8°♌15'33	
opposition	-8541 Mar 28 j 14:39	3°♌09'13	2°47'30
greatest brilliancy	-8541 Mar 28 j 23:33	3°♌03'14	-2.9m
min. Earth dist.	-8541 Mar 30 j 17:24	2°♌35'10	0.38376 AU
	-8541 Apr 10 j 02:11	30°℞♋	
direct	-8541 Apr 28 j 15:27	27°♋50'56	
desc. node	-8541 May 03 j 15:36	28°♋00'45	
	-8541 May 16 j 23:47	0°♌	
	-8541 Jul 21 j 01:11	0°♍	
	-8541 Sep 06 j 06:10	0°♎	
	-8541 Oct 21 j 12:07	0°♏	
	-8541 Dec 05 j 23:47	0°♐	
	-8540 Jan 21 j 07:21	0°♑	
	-8540 Mar 08 j 06:57	0°♒	
evening set	-8540 Mar 09 j 14:07	0°♒49'35	
asc. node	-8540 Apr 12 j 19:50	22°♒38'23	
max. Earth dist.	-8540 Apr 19 j 18:17	27°♒04'19	2.66407 AU
	-8540 Apr 24 j 08:02	0°♓	
conjunction	-8540 Apr 26 j 08:59	1°♓18'27	0°07'50
minimum elong	-8540 Apr 26 j 08:41	1°♓17'59	0°07'29
behind sun begin	-8540 Apr 25 j 15:17	0°♓50'05	
behind sun end	-8540 Apr 27 j 02:06	1°♓45'52	
	-8540 Jun 09 j 17:24	0°♈	

morning rise	-8540 Jun 11 j 13:19	1°♈11'49	
	-8540 Jul 24 j 23:34	0°♉	
	-8540 Sep 07 j 00:02	0°♊	
	-8540 Oct 20 j 00:12	0°♋	
	-8540 Dec 01 j 12:31	0°♌	
	-8539 Jan 13 j 15:20	0°♍	
	-8539 Mar 01 j 17:26	0°♎	
desc. node	-8539 Mar 20 j 17:56	10°♎07'36	
retrograde	-8539 May 07 j 02:32	23°♎15'00	
min. Earth dist.	-8539 Jun 03 j 11:27	18°♎17'13	0.43816 AU
greatest brilliancy	-8539 Jun 09 j 21:33	16°♎11'29	-2.5m
opposition	-8539 Jun 11 j 07:48	15°♎43'13	-5°01'24
direct	-8539 Jul 13 j 06:55	9°♎31'23	
	-8539 Sep 17 j 11:49	0°♏	
	-8539 Nov 10 j 16:46	0°♐	
	-8539 Dec 30 j 13:26	0°♑	
	-8538 Feb 17 j 05:29	0°♒	
asc. node	-8538 Feb 28 j 16:46	7°♒08'53	
	-8538 Apr 05 j 22:49	0°♓	
evening set	-8538 Apr 17 j 14:58	7°♓27'40	
max. Earth dist.	-8538 May 14 j 20:09	25°♓05'53	2.61936 AU
	-8538 May 22 j 07:15	0°♈	
conjunction	-8538 Jun 04 j 10:33	8°♈42'34	0°50'44
minimum elong	-8538 Jun 04 j 09:02	8°♈40'02	0°50'44
	-8538 Jul 05 j 21:31	0°♉	
morning rise	-8538 Jul 22 j 00:18	11°♉09'38	
	-8538 Aug 17 j 15:49	0°♊	
	-8538 Sep 27 j 20:11	0°♋	
	-8538 Nov 06 j 22:33	0°♌	
	-8538 Dec 16 j 16:02	0°♍	
	-8537 Jan 26 j 00:50	0°♎	
desc. node	-8537 Feb 05 j 17:09	7°♎43'28	
	-8537 Mar 09 j 18:26	0°♏	
	-8537 Apr 28 j 15:35	0°♐	
retrograde	-8537 Jun 24 j 15:54	17°♐17'33	
min. Earth dist.	-8537 Jul 27 j 03:16	10°♐13'01	0.56044 AU
opposition	-8537 Aug 02 j 16:05	7°♐41'19	-5°23'03
greatest brilliancy	-8537 Aug 01 j 12:34	8°♐07'58	-1.8m
	-8537 Aug 30 j 15:34	30°℞♏	
direct	-8537 Sep 07 j 13:41	29°♏35'02	
	-8537 Sep 15 j 18:18	0°♐	
	-8537 Dec 04 j 18:16	0°♑	
asc. node	-8536 Jan 16 j 17:46	23°♑50'31	
	-8536 Jan 27 j 07:02	0°♒	
	-8536 Mar 16 j 19:28	0°♓	
	-8536 May 02 j 17:31	0°♈	
evening set	-8536 May 27 j 20:22	16°♈44'31	
max. Earth dist.	-8536 Jun 14 j 00:17	28°♈28'37	2.52603 AU
	-8536 Jun 16 j 05:06	0°♉	
conjunction	-8536 Jul 17 j 12:50	22°♉06'53	1°12'24
minimum elong	-8536 Jul 17 j 12:40	22°♉06'35	1°12'49
	-8536 Jul 28 j 10:23	0°♊	
	-8536 Sep 06 j 19:14	0°♋	
morning rise	-8536 Sep 09 j 00:21	1°♋40'37	
	-8536 Oct 15 j 22:53	0°♌	
	-8536 Nov 23 j 15:57	0°♍	
desc. node	-8536 Dec 23 j 12:36	22°♍57'23	
	-8535 Jan 01 j 19:13	0°♎	
	-8535 Feb 11 j 08:37	0°♏	
	-8535 Mar 26 j 15:48	0°♐	
	-8535 May 14 j 13:13	0°♑	
retrograde	-8535 Jul 31 j 19:06	27°♑07'16	
min. Earth dist.	-8535 Sep 06 j 21:08	18°♑21'19	0.64338 AU
opposition	-8535 Sep 09 j 19:03	17°♑11'03	-3°08'29
greatest brilliancy	-8535 Sep 09 j 12:16	17°♑17'51	-1.5m

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

direct	-8535 Oct 18 j 15:36	7°♉56'14	
asc. node	-8535 Dec 03 j 22:29	18°♉22'08	
	-8535 Dec 30 j 07:18	0°♒	
	-8534 Feb 23 j 13:38	0°♓	
	-8534 Apr 13 j 05:43	0°♈	
	-8534 May 28 j 04:51	0°♉	
	-8534 Jul 09 j 08:16	0°♊	
evening set	-8534 Jul 15 j 12:08	4°♊31'46	
max. Earth dist.	-8534 Aug 08 j 22:43	22°♊49'16	2.40654 AU
	-8534 Aug 18 j 09:00	0°♋	
conjunction	-8534 Sep 11 j 05:28	18°♋24'03	0°42'33
minimum elong	-8534 Sep 11 j 08:19	18°♋29'35	0°43'04
	-8534 Sep 26 j 02:21	0°♌	
	-8534 Nov 03 j 09:22	0°♍	
desc. node	-8534 Nov 10 j 05:29	5°♍20'26	
morning rise	-8534 Nov 14 j 06:12	8°♍28'55	
	-8534 Dec 12 j 03:04	0°♎	
	-8533 Jan 21 j 03:49	0°♏	
	-8533 Mar 04 j 06:51	0°♐	
	-8533 Apr 18 j 09:48	0°♑	
	-8533 Jun 07 j 12:49	0°♒	
	-8533 Aug 18 j 20:42	0°♓	
retrograde	-8533 Sep 04 j 20:13	1°♓42'39	
	-8533 Sep 20 j 21:12	30°℞♒	
opposition	-8533 Oct 14 j 11:09	22°♒08'28	-0°17'48
greatest brilliancy	-8533 Oct 14 j 11:33	22°♒08'04	-1.4m
min. Earth dist.	-8533 Oct 15 j 06:51	21°♒48'43	0.66690 AU
asc. node	-8533 Oct 22 j 03:39	19°♒06'49	
direct	-8533 Nov 24 j 01:04	12°♒17'00	
	-8532 Jan 26 j 00:29	0°♓	
	-8532 Mar 21 j 04:38	0°♈	
	-8532 May 06 j 22:43	0°♉	
	-8532 Jun 18 j 15:05	0°♊	
	-8532 Jul 28 j 17:58	0°♋	
	-8532 Sep 05 j 09:51	0°♌	
evening set	-8532 Sep 13 j 21:07	6°♌38'40	
desc. node	-8532 Sep 27 j 01:31	17°♌00'13	
	-8532 Oct 13 j 15:01	0°♍	
conjunction	-8532 Nov 16 j 18:20	26°♍30'16	-0°36'28
minimum elong	-8532 Nov 16 j 15:25	26°♍24'40	0°36'20
	-8532 Nov 21 j 07:48	0°♎	
	-8532 Dec 31 j 07:45	0°♏	
max. Earth dist.	-8531 Jan 02 j 04:28	1°♏21'57	2.43294 AU
morning rise	-8531 Jan 19 j 09:46	13°♏50'53	
	-8531 Feb 11 j 05:57	0°♐	
	-8531 Mar 27 j 12:13	0°♑	
	-8531 May 13 j 12:06	0°♒	
	-8531 Jul 03 j 12:23	0°♓	
	-8531 Sep 06 j 04:05	0°♈	
asc. node	-8531 Sep 08 j 05:39	0°♈39'40	
retrograde	-8531 Oct 10 j 18:54	6°♈17'00	
	-8531 Nov 11 j 09:55	30°℞♓	
opposition	-8531 Nov 17 j 23:52	27°♓29'35	2°43'53
greatest brilliancy	-8531 Nov 18 j 08:45	27°♓20'56	-1.5m
min. Earth dist.	-8531 Nov 22 j 12:18	25°♓43'56	0.62867 AU
direct	-8531 Dec 28 j 22:34	17°♓31'56	
	-8530 Feb 16 j 16:45	0°♈	
	-8530 Apr 13 j 00:40	0°♉	
	-8530 May 27 j 22:18	0°♊	
	-8530 Jul 07 j 21:41	0°♋	
desc. node	-8530 Aug 15 j 00:38	29°♋14'28	
	-8530 Aug 16 j 00:05	0°♌	
	-8530 Sep 23 j 13:07	0°♍	
	-8530 Nov 01 j 13:35	0°♎	
evening set	-8530 Nov 18 j 14:34	12°♎49'39	
	-8530 Dec 11 j 21:08	0°♏	
conjunction	-8529 Jan 16 j 01:38	25°♏08'10	-1°11'57
minimum elong	-8529 Jan 16 j 01:28	25°♏07'53	1°12'22
	-8529 Jan 23 j 01:01	0°♐	
max. Earth dist.	-8529 Feb 17 j 18:34	17°♐37'42	2.55499 AU
	-8529 Mar 08 j 06:03	0°♑	
morning rise	-8529 Mar 11 j 21:05	2°♑24'04	
	-8529 Apr 23 j 10:03	0°♒	
	-8529 Jun 10 j 09:54	0°♓	
asc. node	-8529 Jul 27 j 02:40	27°♓51'13	
	-8529 Jul 30 j 20:21	0°♈	
	-8529 Sep 26 j 05:29	0°♉	
retrograde	-8529 Nov 24 j 14:39	16°♉03'46	
opposition	-8529 Dec 30 j 04:24	8°♉34'47	5°30'42
greatest brilliancy	-8529 Dec 31 j 13:50	8°♉04'36	-1.9m
min. Earth dist.	-8528 Jan 06 j 23:19	5°♉46'45	0.53261 AU
	-8528 Jan 29 j 14:44	30°℞♈	
direct	-8528 Feb 07 j 10:06	29°♈28'20	
	-8528 Feb 16 j 08:54	0°♉	
	-8528 Apr 28 j 06:22	0°♊	
	-8528 Jun 12 j 07:39	0°♋	
desc. node	-8528 Jul 02 j 02:08	14°♋18'00	
	-8528 Jul 23 j 05:15	0°♌	
	-8528 Aug 31 j 22:26	0°♍	
	-8528 Oct 10 j 21:48	0°♎	
	-8528 Nov 21 j 01:14	0°♏	
	-8527 Jan 02 j 21:23	0°♐	
evening set	-8527 Jan 10 j 09:49	5°♐08'13	
	-8527 Feb 16 j 12:38	0°♑	
conjunction	-8527 Mar 03 j 05:54	9°♑39'44	-0°52'37
minimum elong	-8527 Mar 03 j 07:34	9°♑42'27	0°53'09
max. Earth dist.	-8527 Mar 17 j 13:10	18°♑57'56	2.63727 AU
	-8527 Apr 03 j 15:46	0°♒	
morning rise	-8527 Apr 21 j 06:48	11°♒17'04	
	-8527 May 20 j 17:30	0°♓	
asc. node	-8527 Jun 12 j 20:49	14°♓37'33	
	-8527 Jul 07 j 07:01	0°♈	
	-8527 Aug 24 j 11:11	0°♉	
	-8527 Oct 13 j 14:45	0°♊	
	-8527 Dec 11 j 16:56	0°♋	
retrograde	-8526 Jan 25 j 22:11	10°♋28'28	
opposition	-8526 Feb 26 j 12:02	4°♋56'18	5°22'47
greatest brilliancy	-8526 Feb 27 j 20:24	4°♋32'33	-2.7m
min. Earth dist.	-8526 Mar 04 j 19:02	3°♋06'13	0.41125 AU
	-8526 Mar 17 j 11:49	30°℞♊	
direct	-8526 Apr 01 j 01:28	28°♊34'15	
	-8526 Apr 15 j 16:56	0°♋	
desc. node	-8526 May 20 j 06:31	12°♋22'58	
	-8526 Jun 20 j 15:24	0°♌	
	-8526 Aug 05 j 03:21	0°♍	
	-8526 Sep 17 j 07:35	0°♎	
	-8526 Oct 30 j 14:51	0°♏	
	-8526 Dec 13 j 23:30	0°♐	
	-8525 Jan 28 j 14:50	0°♑	
evening set	-8525 Feb 23 j 00:58	16°♑24'49	
	-8525 Mar 16 j 05:44	0°♒	
max. Earth dist.	-8525 Apr 11 j 08:37	16°♒41'13	2.66711 AU
conjunction	-8525 Apr 12 j 10:40	17°♒22'49	-0°10'24
minimum elong	-8525 Apr 12 j 11:04	17°♒23'29	0°10'50
behind sun begin	-8525 Apr 11 j 20:34	17°♒00'19	
behind sun end	-8525 Apr 13 j 01:35	17°♒46'38	
asc. node	-8525 Apr 30 j 13:58	28°♒58'30	
	-8525 May 02 j 04:24	0°♓	
morning rise	-8525 May 28 j 21:52	17°♓10'00	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8525 Jun 17 j 17:52	0°♈	
	-8525 Aug 02 j 11:50	0°♉	
	-8525 Sep 16 j 09:32	0°♊	
	-8525 Oct 30 j 19:43	0°♋	
	-8525 Dec 14 j 15:05	0°♌	
	-8524 Jan 31 j 12:31	0°♍	
desc. node	-8524 Apr 06 j 11:22	25°♍37'59	
retrograde	-8524 Apr 12 j 11:57	25°♍52'42	
min. Earth dist.	-8524 May 09 j 15:13	21°♍21'03	0.39799 AU
opposition	-8524 May 15 j 08:03	19°♍41'42	-2°52'39
greatest brilliancy	-8524 May 14 j 15:33	19°♍53'43	-2.8m
direct	-8524 Jun 14 j 19:06	14°♍18'43	
	-8524 Aug 09 j 08:12	0°♎	
	-8524 Oct 02 j 18:54	0°♏	
	-8524 Nov 20 j 16:19	0°♐	
	-8523 Jan 07 j 16:07	0°♑	
	-8523 Feb 24 j 12:11	0°♒	
asc. node	-8523 Mar 17 j 09:04	13°♒09'25	
evening set	-8523 Apr 02 j 10:15	23°♒20'03	
	-8523 Apr 12 j 21:16	0°♓	
max. Earth dist.	-8523 May 04 j 17:52	14°♓03'06	2.64298 AU
conjunction	-8523 May 19 j 22:40	23°♓55'58	0°35'22
minimum elong	-8523 May 19 j 21:27	23°♓53'59	0°35'13
	-8523 May 29 j 04:44	0°♈	
morning rise	-8523 Jul 05 j 13:40	24°♈57'14	
	-8523 Jul 12 j 23:41	0°♉	
	-8523 Aug 25 j 03:11	0°♊	
	-8523 Oct 05 j 20:34	0°♋	
	-8523 Nov 15 j 14:42	0°♌	
	-8523 Dec 26 j 03:14	0°♍	
	-8522 Feb 05 j 16:03	0°♎	
desc. node	-8522 Feb 22 j 11:08	11°♎34'39	
	-8522 Mar 23 j 02:54	0°♏	
retrograde	-8522 Jun 07 j 13:34	28°♏47'33	
min. Earth dist.	-8522 Jul 07 j 22:17	22°♏32'50	0.51444 AU
greatest brilliancy	-8522 Jul 14 j 01:58	20°♏15'54	-2.1m
opposition	-8522 Jul 15 j 13:26	19°♏42'53	-5°47'44
direct	-8522 Aug 18 j 23:01	12°♏15'41	
	-8522 Oct 19 j 22:16	0°♐	
	-8522 Dec 15 j 14:32	0°♑	
asc. node	-8521 Feb 02 j 08:36	28°♑41'46	
	-8521 Feb 04 j 12:23	0°♒	
	-8521 Mar 25 j 03:29	0°♓	
	-8521 May 10 j 18:36	0°♈	
evening set	-8521 May 12 j 05:11	0°♈56'57	
max. Earth dist.	-8521 Jun 01 j 14:16	14°♈31'45	2.56790 AU
	-8521 Jun 24 j 06:26	0°♉	
conjunction	-8521 Jun 30 j 08:31	4°♉13'20	1°08'09
minimum elong	-8521 Jun 30 j 07:22	4°♉11'20	1°08'25
	-8521 Aug 05 j 15:44	0°♊	
morning rise	-8521 Aug 19 j 19:47	10°♊20'00	
	-8521 Sep 15 j 06:48	0°♋	
	-8521 Oct 24 j 17:17	0°♌	
	-8521 Dec 02 j 17:10	0°♍	
desc. node	-8520 Jan 10 j 07:58	29°♍22'46	
	-8520 Jan 11 j 03:49	0°♎	
	-8520 Feb 21 j 04:28	0°♏	
	-8520 Apr 05 j 15:38	0°♐	
	-8520 May 29 j 14:39	0°♑	
retrograde	-8520 Jul 17 j 15:57	12°♑48'07	
min. Earth dist.	-8520 Aug 22 j 02:39	4°♑37'12	0.61774 AU
opposition	-8520 Aug 26 j 11:36	2°♑52'32	-4°07'46
greatest brilliancy	-8520 Aug 25 j 21:50	3°♑06'16	-1.6m
	-8520 Sep 02 j 22:04	30°℞♐	
direct	-8520 Oct 03 j 08:20	23°♐59'56	
	-8520 Nov 06 j 00:07	0°♑	
asc. node	-8520 Dec 20 j 11:45	18°♑51'29	
	-8519 Jan 10 j 20:48	0°♒	
	-8519 Mar 03 j 22:59	0°♓	
	-8519 Apr 20 j 17:58	0°♈	
	-8519 Jun 04 j 11:14	0°♉	
evening set	-8519 Jun 25 j 05:35	14°♉34'26	
max. Earth dist.	-8519 Jul 11 j 08:37	26°♉10'21	2.45290 AU
	-8519 Jul 16 j 14:40	0°♊	
conjunction	-8519 Aug 18 j 15:29	24°♊36'11	1°02'24
minimum elong	-8519 Aug 18 j 17:40	24°♊40'19	1°02'56
	-8519 Aug 25 j 17:59	0°♋	
	-8519 Oct 03 j 14:29	0°♌	
morning rise	-8519 Oct 17 j 13:49	10°♌54'28	
	-8519 Nov 11 j 00:13	0°♍	
desc. node	-8519 Nov 27 j 03:17	12°♍32'23	
	-8519 Dec 19 j 20:05	0°♎	
	-8518 Jan 28 j 23:09	0°♏	
	-8518 Mar 12 j 07:58	0°♐	
	-8518 Apr 27 j 05:50	0°♑	
	-8518 Jun 19 j 16:30	0°♒	
retrograde	-8518 Aug 22 j 06:42	18°♒42'58	
opposition	-8518 Oct 01 j 04:35	8°♒56'56	-1°25'55
greatest brilliancy	-8518 Oct 01 j 04:15	8°♒57'16	-1.4m
min. Earth dist.	-8518 Sep 30 j 13:20	9°♒12'16	0.66500 AU
	-8518 Oct 30 j 15:22	30°℞♑	
asc. node	-8518 Nov 07 j 16:56	29°♑18'59	
direct	-8518 Nov 10 j 06:01	29°♑16'33	
	-8518 Nov 21 j 06:50	0°♒	
	-8517 Feb 07 j 13:11	0°♓	
	-8517 Mar 30 j 23:54	0°♈	
	-8517 May 15 j 19:51	0°♉	
	-8517 Jun 27 j 05:21	0°♊	
	-8517 Aug 06 j 06:34	0°♋	
evening set	-8517 Aug 20 j 08:59	10°♋51'29	
	-8517 Sep 13 j 22:18	0°♌	
desc. node	-8517 Oct 14 j 21:06	24°♌18'24	
conjunction	-8517 Oct 21 j 22:51	29°♌51'10	-0°05'25
minimum elong	-8517 Oct 21 j 22:23	29°♌50'15	0°05'04
behind sun begin	-8517 Oct 20 j 19:52	28°♌58'21	
behind sun end	-8517 Oct 23 j 00:53	0°♍42'07	
	-8517 Oct 22 j 03:22	0°♍	
max. Earth dist.	-8517 Nov 23 j 00:53	24°♍47'51	2.38935 AU
	-8517 Nov 29 j 19:34	0°♎	
morning rise	-8517 Dec 26 j 20:31	20°♎26'26	
	-8516 Jan 08 j 18:26	0°♏	
	-8516 Feb 19 j 16:25	0°♐	
	-8516 Apr 04 j 02:40	0°♑	
	-8516 May 21 j 19:49	0°♒	
	-8516 Jul 14 j 16:34	0°♓	
asc. node	-8516 Sep 24 j 20:30	22°♓43'16	
retrograde	-8516 Sep 25 j 21:08	22°♓43'40	
opposition	-8516 Nov 03 j 18:37	13°♓34'54	1°33'02
greatest brilliancy	-8516 Nov 03 j 21:50	13°♓31'44	-1.4m
min. Earth dist.	-8516 Nov 06 j 20:43	12°♓21'39	0.65092 AU
direct	-8516 Dec 14 j 18:38	3°♓35'04	
	-8515 Mar 03 j 20:22	0°♈	
	-8515 Apr 22 j 20:33	0°♉	
	-8515 Jun 05 j 12:58	0°♊	
	-8515 Jul 16 j 01:19	0°♋	
	-8515 Aug 23 j 21:49	0°♌	
desc. node	-8515 Aug 31 j 17:43	6°♌07'06	
	-8515 Oct 01 j 06:21	0°♍	
evening set	-8515 Oct 24 j 21:36	18°♍20'36	
	-8515 Nov 09 j 02:35	0°♎	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8515 Dec 19 j 05:54	0°♏	
conjunction	-8515 Dec 25 j 08:25	4°♏27'04	-1°06'32
minimum elong	-8515 Dec 25 j 06:29	4°♏23'32	1°06'46
	-8514 Jan 30 j 06:10	0°♐	
max. Earth dist.	-8514 Feb 03 j 10:20	2°♐54'02	2.51036 AU
morning rise	-8514 Feb 21 j 10:53	15°♐16'08	
	-8514 Mar 15 j 09:46	0°♑	
	-8514 Apr 30 j 17:58	0°♒	
	-8514 Jun 18 j 11:39	0°♓	
	-8514 Aug 10 j 10:20	0°♈	
asc. node	-8514 Aug 12 j 20:03	1°♈15'30	
retrograde	-8514 Nov 05 j 15:57	29°♈40'56	
opposition	-8514 Dec 12 j 11:02	21°♈36'09	4°31'33
greatest brilliancy	-8514 Dec 13 j 09:51	21°♈14'43	-1.7m
min. Earth dist.	-8514 Dec 19 j 02:47	19°♈06'22	0.57645 AU
direct	-8513 Jan 21 j 17:10	11°♈59'02	
	-8513 Mar 22 j 17:14	0°♉	
	-8513 May 11 j 21:47	0°♊	
	-8513 Jun 23 j 12:07	0°♋	
desc. node	-8513 Jul 19 j 18:50	19°♋38'23	
	-8513 Aug 02 j 09:26	0°♌	
	-8513 Sep 10 j 11:16	0°♍	
	-8513 Oct 19 j 22:34	0°♎	
	-8513 Nov 29 j 15:45	0°♏	
evening set	-8513 Dec 23 j 01:00	16°♏40'40	
	-8512 Jan 11 j 03:35	0°♐	
conjunction	-8512 Feb 15 j 01:37	23°♐41'39	-1°04'17
minimum elong	-8512 Feb 15 j 03:07	23°♐44'08	1°04'50
	-8512 Feb 24 j 13:13	0°♑	
max. Earth dist.	-8512 Mar 07 j 06:42	7°♑43'46	2.61117 AU
morning rise	-8512 Apr 05 j 22:00	26°♑58'38	
	-8512 Apr 10 j 14:56	0°♒	
	-8512 May 27 j 22:04	0°♓	
asc. node	-8512 Jun 29 j 15:14	20°♓23'19	
	-8512 Jul 15 j 05:50	0°♈	
	-8512 Sep 03 j 09:02	0°♉	
	-8512 Oct 29 j 19:40	0°♊	
retrograde	-8512 Dec 29 j 08:25	16°♊47'50	
opposition	-8511 Jan 31 j 10:42	10°♊28'37	6°13'02
greatest brilliancy	-8511 Feb 02 j 05:33	9°♊53'49	-2.3m
min. Earth dist.	-8511 Feb 08 j 13:20	7°♊51'21	0.45612 AU
direct	-8511 Mar 08 j 19:20	2°♊48'42	
	-8511 May 21 j 06:14	0°♋	
desc. node	-8511 Jun 05 j 22:26	9°♋48'49	
	-8511 Jul 05 j 17:27	0°♌	
	-8511 Aug 16 j 13:29	0°♍	
	-8511 Sep 26 j 22:03	0°♎	
	-8511 Nov 08 j 01:45	0°♏	
	-8511 Dec 21 j 15:48	0°♐	
	-8510 Feb 04 j 19:04	0°♑	
evening set	-8510 Feb 06 j 21:08	1°♑21'52	
	-8510 Mar 23 j 03:40	0°♒	
conjunction	-8510 Mar 28 j 06:29	3°♒16'53	-0°28'03
minimum elong	-8510 Mar 28 j 07:33	3°♒18'36	0°28'32
max. Earth dist.	-8510 Apr 01 j 21:29	6°♒14'40	2.66195 AU
	-8510 May 09 j 01:53	0°♓	
morning rise	-8510 May 14 j 09:42	3°♓24'02	
asc. node	-8510 May 17 j 08:14	5°♓16'42	
	-8510 Jun 24 j 22:10	0°♈	
	-8510 Aug 10 j 08:37	0°♉	
	-8510 Sep 25 j 13:30	0°♊	
	-8510 Nov 11 j 09:11	0°♋	
	-8510 Dec 31 j 11:53	0°♌	
retrograde	-8509 Mar 15 j 14:58	25°♌43'20	
opposition	-8509 Apr 15 j 14:10	20°♌29'20	0°40'51
min. Earth dist.	-8509 Apr 14 j 15:08	20°♌44'51	0.38019 AU
greatest brilliancy	-8509 Apr 15 j 14:37	20°♌29'02	-3.0m
desc. node	-8509 Apr 24 j 02:39	18°♌16'54	
direct	-8509 May 15 j 22:08	15°♌24'54	
	-8509 Jul 07 j 00:57	0°♍	
	-8509 Aug 29 j 02:15	0°♎	
	-8509 Oct 15 j 04:57	0°♏	
	-8509 Nov 30 j 14:03	0°♐	
	-8508 Jan 16 j 09:04	0°♑	
	-8508 Mar 03 j 14:47	0°♒	
evening set	-8508 Mar 18 j 07:55	9°♒20'14	
asc. node	-8508 Apr 03 j 01:50	19°♒20'57	
	-8508 Apr 19 j 18:10	0°♓	
max. Earth dist.	-8508 Apr 25 j 06:38	3°♓32'12	2.65893 AU
conjunction	-8508 May 04 j 21:49	9°♓43'48	0°18'11
minimum elong	-8508 May 04 j 21:09	9°♓42'43	0°17'55
	-8508 Jun 05 j 02:47	0°♈	
morning rise	-8508 Jun 20 j 02:37	9°♈52'22	
	-8508 Jul 20 j 04:51	0°♉	
	-8508 Sep 01 j 21:14	0°♊	
	-8508 Oct 14 j 08:56	0°♋	
	-8508 Nov 25 j 02:41	0°♌	
	-8507 Jan 05 j 23:17	0°♍	
	-8507 Feb 18 j 22:34	0°♎	
desc. node	-8507 Mar 11 j 06:09	12°♎33'06	
	-8507 Apr 15 j 00:58	0°♏	
retrograde	-8507 May 19 j 07:42	7°♏23'39	
min. Earth dist.	-8507 Jun 16 j 14:47	2°♏00'36	0.46458 AU
	-8507 Jun 22 j 10:34	30°℞♎	
greatest brilliancy	-8507 Jun 23 j 03:21	29°♎45'21	-2.3m
opposition	-8507 Jun 24 j 17:22	29°♎12'14	-5°35'42
direct	-8507 Jul 27 j 12:24	22°♎32'09	
	-8507 Sep 02 j 09:25	0°♏	
	-8507 Nov 03 j 09:38	0°♐	
	-8507 Dec 24 j 22:06	0°♑	
	-8506 Feb 12 j 06:03	0°♒	
asc. node	-8506 Feb 18 j 22:50	4°♒08'16	
	-8506 Apr 01 j 06:16	0°♓	
evening set	-8506 Apr 26 j 11:09	16°♓08'12	
	-8506 May 17 j 17:03	0°♈	
max. Earth dist.	-8506 May 21 j 01:25	2°♈12'34	2.60304 AU
conjunction	-8506 Jun 13 j 14:28	17°♈56'36	0°58'17
minimum elong	-8506 Jun 13 j 12:57	17°♈54'01	0°58'22
	-8506 Jul 01 j 06:39	0°♉	
morning rise	-8506 Jul 31 j 23:23	21°♉28'12	
	-8506 Aug 12 j 21:50	0°♊	
	-8506 Sep 22 j 21:23	0°♋	
	-8506 Nov 01 j 17:43	0°♌	
	-8506 Dec 11 j 03:51	0°♍	
	-8505 Jan 20 j 02:36	0°♎	
desc. node	-8505 Jan 27 j 04:07	5°♎11'48	
	-8505 Mar 02 j 23:38	0°♏	
	-8505 Apr 18 j 20:33	0°♐	
retrograde	-8505 Jul 03 j 17:41	27°♐16'53	
min. Earth dist.	-8505 Aug 06 j 07:19	19°♐47'23	0.58284 AU
greatest brilliancy	-8505 Aug 11 j 04:16	17°♐52'42	-1.7m
opposition	-8505 Aug 12 j 02:41	17°♐30'42	-4°59'24
direct	-8505 Sep 17 j 18:40	9°♐06'13	
	-8505 Nov 26 j 09:09	0°♑	
asc. node	-8504 Jan 07 j 00:46	21°♑48'28	
	-8504 Jan 21 j 12:14	0°♒	
	-8504 Mar 11 j 19:03	0°♓	
	-8504 Apr 28 j 00:11	0°♈	
evening set	-8504 Jun 06 j 18:49	26°♈40'58	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8504 Jun 11 j 14:10	0°♉	
max. Earth dist.	-8504 Jun 22 j 16:04	7°♉43'31	2.50078 AU
	-8504 Jul 23 j 19:02	0°♊	
conjunction	-8504 Jul 28 j 14:05	3°♊30'16	1°11'27
minimum elong	-8504 Jul 28 j 14:44	3°♊31'26	1°11'55
	-8504 Sep 02 j 02:00	0°♋	
morning rise	-8504 Sep 22 j 03:43	15°♋20'31	
	-8504 Oct 11 j 02:56	0°♌	
	-8504 Nov 18 j 16:52	0°♍	
desc. node	-8504 Dec 13 j 22:24	19°♍29'29	
	-8504 Dec 27 j 16:43	0°♎	
	-8503 Feb 06 j 00:55	0°♏	
	-8503 Mar 20 j 20:44	0°♐	
	-8503 May 07 j 05:19	0°♑	
	-8503 Jul 08 j 19:42	0°♒	
retrograde	-8503 Aug 08 j 17:13	5°♒25'20	
	-8503 Sep 06 j 05:37	30°℞♑	
min. Earth dist.	-8503 Sep 15 j 15:17	26°♑22'14	0.65359 AU
opposition	-8503 Sep 17 j 17:36	25°♑31'37	-2°31'49
greatest brilliancy	-8503 Sep 17 j 13:51	25°♑35'23	-1.4m
direct	-8503 Oct 27 j 01:43	16°♑06'32	
asc. node	-8503 Nov 24 j 05:56	20°♑24'50	
	-8503 Dec 20 j 20:48	0°♒	
	-8502 Feb 17 j 15:00	0°♓	
	-8502 Apr 08 j 02:58	0°♈	
	-8502 May 23 j 09:26	0°♉	
	-8502 Jul 04 j 15:22	0°♊	
evening set	-8502 Jul 27 j 20:23	17°♊13'18	
	-8502 Aug 13 j 16:38	0°♋	
max. Earth dist.	-8502 Sep 03 j 02:57	15°♋45'04	2.38720 AU
	-8502 Sep 21 j 09:24	0°♌	
conjunction	-8502 Sep 25 j 11:05	3°♌11'19	0°26'54
minimum elong	-8502 Sep 25 j 13:20	3°♌15'43	0°27'23
	-8502 Oct 29 j 15:14	0°♍	
desc. node	-8502 Oct 31 j 16:34	1°♍36'32	
morning rise	-8502 Nov 29 j 23:18	24°♍21'36	
	-8502 Dec 07 j 07:38	0°♎	
	-8501 Jan 16 j 06:34	0°♏	
	-8501 Feb 27 j 06:06	0°♐	
	-8501 Apr 13 j 00:18	0°♑	
	-8501 May 31 j 22:30	0°♒	
	-8501 Jul 31 j 04:02	0°♓	
retrograde	-8501 Sep 12 j 18:10	9°♓37'08	
asc. node	-8501 Oct 12 j 10:49	3°♓56'08	
opposition	-8501 Oct 22 j 04:19	0°♓11'05	0°22'40
greatest brilliancy	-8501 Oct 22 j 04:42	0°♓10'42	-1.4m
	-8501 Oct 22 j 15:26	30°℞♒	
min. Earth dist.	-8501 Oct 23 j 19:38	29°♒31'52	0.66375 AU
direct	-8501 Dec 01 j 23:36	20°♒15'17	
	-8500 Jan 15 j 03:16	0°♓	
	-8500 Mar 14 j 22:32	0°♈	
	-8500 May 01 j 14:42	0°♉	
	-8500 Jun 13 j 14:51	0°♊	
	-8500 Jul 23 j 21:11	0°♋	
	-8500 Aug 31 j 14:45	0°♌	
desc. node	-8500 Sep 17 j 12:08	13°♌14'48	
evening set	-8500 Sep 28 j 17:53	22°♌04'06	
	-8500 Oct 08 j 20:47	0°♍	
	-8500 Nov 16 j 14:13	0°♎	
conjunction	-8500 Dec 01 j 06:40	11°♎09'12	-0°50'27
minimum elong	-8500 Dec 01 j 03:30	11°♎03'13	0°50'27
	-8500 Dec 26 j 14:25	0°♏	
max. Earth dist.	-8499 Jan 16 j 03:57	14°♏54'46	2.46073 AU
morning rise	-8499 Feb 01 j 00:45	26°♏10'14	
	-8499 Feb 06 j 12:01	0°♐	
	-8499 Mar 22 j 15:49	0°♑	
	-8499 May 08 j 07:36	0°♒	
	-8499 Jun 27 j 05:42	0°♓	
	-8499 Aug 24 j 04:00	0°♈	
asc. node	-8499 Aug 29 j 11:58	2°♈16'32	
retrograde	-8499 Oct 19 j 18:31	14°♈46'54	
opposition	-8499 Nov 26 j 13:12	6°♈13'10	3°24'13
greatest brilliancy	-8499 Nov 27 j 02:30	6°♈00'20	-1.6m
min. Earth dist.	-8499 Dec 01 j 20:54	4°♈10'08	0.61239 AU
	-8499 Dec 13 j 19:09	30°℞♓	
direct	-8498 Jan 06 j 08:45	26°♓19'53	
	-8498 Jan 31 j 10:35	0°♈	
	-8498 Apr 05 j 22:58	0°♉	
	-8498 May 22 j 02:43	0°♊	
	-8498 Jul 02 j 12:57	0°♋	
desc. node	-8498 Aug 05 j 10:41	25°♋48'42	
	-8498 Aug 10 j 20:51	0°♌	
	-8498 Sep 18 j 13:25	0°♍	
	-8498 Oct 27 j 16:49	0°♎	
evening set	-8498 Dec 01 j 17:24	26°♎04'01	
	-8498 Dec 07 j 02:51	0°♏	
	-8497 Jan 18 j 08:28	0°♐	
conjunction	-8497 Jan 27 j 11:25	6°♐17'55	-1°11'04
minimum elong	-8497 Jan 27 j 12:04	6°♐19'02	1°11'33
max. Earth dist.	-8497 Feb 24 j 23:29	25°♐36'00	2.57717 AU
	-8497 Mar 03 j 14:05	0°♑	
morning rise	-8497 Mar 21 j 16:34	11°♑55'08	
	-8497 Apr 18 j 16:00	0°♒	
	-8497 Jun 05 j 07:56	0°♓	
asc. node	-8497 Jul 17 j 08:42	25°♓34'58	
	-8497 Jul 24 j 19:19	0°♈	
	-8497 Sep 16 j 10:35	0°♉	
retrograde	-8497 Dec 06 j 12:51	26°♉39'04	
opposition	-8496 Jan 10 j 07:04	19°♉33'00	5°55'54
greatest brilliancy	-8496 Jan 11 j 21:56	18°♉58'59	-2.1m
min. Earth dist.	-8496 Jan 18 j 11:56	16°♉41'20	0.50609 AU
direct	-8496 Feb 17 j 17:49	10°♉50'56	
	-8496 Apr 18 j 00:58	0°♊	
	-8496 Jun 05 j 04:37	0°♋	
desc. node	-8496 Jun 22 j 14:26	12°♋11'54	
	-8496 Jul 17 j 02:08	0°♌	
	-8496 Aug 26 j 07:45	0°♍	
	-8496 Oct 05 j 15:38	0°♎	
	-8496 Nov 16 j 01:27	0°♏	
	-8496 Dec 29 j 02:17	0°♐	
evening set	-8495 Jan 20 j 19:14	15°♐21'13	
	-8495 Feb 11 j 20:44	0°♑	
conjunction	-8495 Mar 12 j 14:58	18°♑46'08	-0°44'14
minimum elong	-8495 Mar 12 j 16:30	18°♑48'37	0°44'46
max. Earth dist.	-8495 Mar 23 j 08:33	25°♑42'00	2.64847 AU
	-8495 Mar 30 j 00:59	0°♒	
morning rise	-8495 Apr 29 j 20:17	19°♒42'00	
	-8495 May 16 j 00:39	0°♓	
asc. node	-8495 Jun 03 j 01:58	11°♓28'08	
	-8495 Jul 02 j 06:47	0°♈	
	-8495 Aug 18 j 16:45	0°♉	
	-8495 Oct 05 j 23:38	0°♊	
	-8495 Nov 26 j 21:24	0°♋	
retrograde	-8494 Feb 12 j 03:41	26°♋01'34	
opposition	-8494 Mar 15 j 00:19	20°♋48'36	4°08'20
greatest brilliancy	-8494 Mar 15 j 20:03	20°♋34'58	-2.8m
min. Earth dist.	-8494 Mar 19 j 07:37	19°♋37'26	0.39311 AU
direct	-8494 Apr 16 j 00:58	15°♋06'26	
desc. node	-8494 May 10 j 19:53	18°♋59'27	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8494 Jun 06 j 19:26	0°♌	
	-8494 Jul 27 j 18:36	0°♍	
	-8494 Sep 10 j 17:36	0°♎	
	-8494 Oct 24 j 23:00	0°♏	
	-8494 Dec 08 j 20:24	0°♐	
	-8493 Jan 23 j 19:27	0°♑	
evening set	-8493 Mar 04 j 01:00	25°♑10'22	
	-8493 Mar 11 j 14:33	0°♒	
max. Earth dist.	-8493 Apr 16 j 21:07	23°♒08'30	2.66655 AU
asc. node	-8493 Apr 20 j 18:38	25°♒38'01	
conjunction	-8493 Apr 21 j 01:07	25°♒48'21	0°00'09
minimum elong	-8493 Apr 21 j 01:06	25°♒48'19	0°00'13
behind sun begin	-8493 Apr 20 j 05:50	25°♒17'32	
behind sun end	-8493 Apr 21 j 20:22	26°♒19'06	
	-8493 Apr 27 j 14:24	0°♓	
morning rise	-8493 Jun 06 j 07:03	25°♓35'00	
	-8493 Jun 13 j 01:57	0°♈	
	-8493 Jul 28 j 13:34	0°♉	
	-8493 Sep 10 j 23:13	0°♊	
	-8493 Oct 24 j 13:05	0°♋	
	-8493 Dec 06 j 21:27	0°♌	
	-8492 Jan 20 j 11:29	0°♍	
	-8492 Mar 12 j 09:13	0°♎	
desc. node	-8492 Mar 27 j 22:48	6°♎27'54	
retrograde	-8492 Apr 26 j 22:58	12°♎11'46	
min. Earth dist.	-8492 May 23 j 22:29	7°♎29'47	0.41831 AU
greatest brilliancy	-8492 May 29 j 22:42	5°♎37'58	-2.6m
opposition	-8492 May 31 j 02:52	5°♎15'55	-4°17'52
	-8492 Jun 22 j 07:08	30°℞♍	
direct	-8492 Jul 01 j 09:24	29°♍27'20	
	-8492 Jul 10 j 13:36	0°♎	
	-8492 Sep 24 j 03:14	0°♏	
	-8492 Nov 14 j 11:25	0°♐	
	-8491 Jan 02 j 09:54	0°♑	
	-8491 Feb 19 j 16:28	0°♒	
asc. node	-8491 Mar 07 j 14:39	9°♒58'49	
	-8491 Apr 08 j 06:12	0°♓	
evening set	-8491 Apr 11 j 03:22	1°♓50'19	
max. Earth dist.	-8491 May 10 j 15:19	20°♓50'55	2.63097 AU
	-8491 May 24 j 14:56	0°♈	
conjunction	-8491 May 28 j 18:13	2°♈43'39	0°44'32
minimum elong	-8491 May 28 j 16:48	2°♈41'18	0°44'29
	-8491 Jul 08 j 08:08	0°♉	
morning rise	-8491 Jul 14 j 19:44	4°♉27'02	
	-8491 Aug 20 j 07:16	0°♊	
	-8491 Sep 30 j 17:45	0°♋	
	-8491 Nov 10 j 03:00	0°♌	
	-8491 Dec 20 j 03:42	0°♍	
	-8490 Jan 29 j 22:05	0°♎	
desc. node	-8490 Feb 12 j 22:25	9°♎58'41	
	-8490 Mar 14 j 10:55	0°♏	
	-8490 May 07 j 05:06	0°♐	
retrograde	-8490 Jun 17 j 13:27	10°♐02'47	
min. Earth dist.	-8490 Jul 19 j 02:06	3°♐20'24	0.54055 AU
greatest brilliancy	-8490 Jul 24 j 20:59	1°♐08'23	-1.9m
opposition	-8490 Jul 26 j 04:21	0°♐38'29	-5°37'01
	-8490 Jul 27 j 21:05	30°℞♏	
direct	-8490 Aug 30 j 11:03	22°♏48'42	
	-8490 Oct 06 j 03:29	0°♐	
	-8490 Dec 08 j 20:57	0°♑	
asc. node	-8489 Jan 23 j 15:11	26°♑07'59	
	-8489 Jan 30 j 03:43	0°♒	
	-8489 Mar 20 j 06:52	0°♓	
	-8489 May 06 j 02:47	0°♈	
evening set	-8489 May 21 j 15:02	10°♈16'27	
max. Earth dist.	-8489 Jun 09 j 01:00	22°♈42'46	2.54554 AU
	-8489 Jun 19 j 15:37	0°♉	
conjunction	-8489 Jul 10 j 12:51	14°♉37'01	1°11'25
minimum elong	-8489 Jul 10 j 12:11	14°♉35'50	1°11'45
	-8489 Jul 31 j 23:44	0°♊	
morning rise	-8489 Aug 31 j 12:49	22°♊30'47	
	-8489 Sep 10 j 12:06	0°♋	
	-8489 Oct 19 j 19:13	0°♌	
	-8489 Nov 27 j 15:03	0°♍	
desc. node	-8489 Dec 31 j 18:48	26°♍09'37	
	-8488 Jan 05 j 20:42	0°♎	
	-8488 Feb 15 j 13:10	0°♏	
	-8488 Mar 30 j 04:07	0°♐	
	-8488 May 19 j 10:36	0°♑	
retrograde	-8488 Jul 25 j 20:47	21°♑33'14	
min. Earth dist.	-8488 Aug 31 j 06:03	13°♑02'14	0.63299 AU
opposition	-8488 Sep 03 j 19:33	11°♑36'34	-3°34'13
greatest brilliancy	-8488 Sep 03 j 10:00	11°♑46'08	-1.5m
direct	-8488 Oct 12 j 06:10	2°♑30'57	
asc. node	-8488 Dec 10 j 19:34	18°♑31'09	
	-8487 Jan 03 j 17:19	0°♒	
	-8487 Feb 26 j 12:16	0°♓	
	-8487 Apr 15 j 20:04	0°♈	
	-8487 May 30 j 17:53	0°♉	
evening set	-8487 Jul 06 j 12:31	26°♉03'23	
	-8487 Jul 11 j 22:23	0°♊	
max. Earth dist.	-8487 Jul 25 j 15:29	10°♊06'35	2.42630 AU
	-8487 Aug 21 j 01:00	0°♋	
conjunction	-8487 Aug 31 j 16:57	8°♋10'17	0°52'27
minimum elong	-8487 Aug 31 j 19:42	8°♋15'35	0°52'58
	-8487 Sep 28 j 20:11	0°♌	
morning rise	-8487 Nov 02 j 01:22	26°♌46'46	
	-8487 Nov 06 j 04:14	0°♍	
desc. node	-8487 Nov 17 j 12:03	8°♍49'52	
	-8487 Dec 14 j 22:17	0°♎	
	-8486 Jan 23 j 22:59	0°♏	
	-8486 Mar 07 j 02:34	0°♐	
	-8486 Apr 21 j 10:31	0°♑	
	-8486 Jun 11 j 12:42	0°♒	
retrograde	-8486 Aug 30 j 01:25	26°♒38'02	
opposition	-8486 Oct 08 j 20:22	16°♒58'10	-0°46'34
greatest brilliancy	-8486 Oct 08 j 20:47	16°♒57'46	-1.4m
min. Earth dist.	-8486 Oct 09 j 00:37	16°♒53'54	0.66728 AU
asc. node	-8486 Oct 29 j 00:53	9°♒50'23	
direct	-8486 Nov 18 j 05:40	7°♒11'04	
	-8485 Jan 30 j 23:00	0°♓	
	-8485 Mar 25 j 09:21	0°♈	
	-8485 May 10 j 18:52	0°♉	
	-8485 Jun 22 j 09:22	0°♊	
	-8485 Aug 01 j 12:17	0°♋	
evening set	-8485 Sep 03 j 13:57	25°♋36'51	
	-8485 Sep 09 j 04:24	0°♌	
desc. node	-8485 Oct 05 j 07:06	20°♌30'48	
	-8485 Oct 17 j 09:09	0°♍	
conjunction	-8485 Nov 06 j 04:51	15°♍28'04	-0°23'44
minimum elong	-8485 Nov 06 j 02:43	15°♍23'57	0°23'30
	-8485 Nov 25 j 00:54	0°♎	
max. Earth dist.	-8485 Dec 20 j 00:37	18°♎55'10	2.41143 AU
	-8484 Jan 03 j 23:17	0°♏	
morning rise	-8484 Jan 10 j 03:02	4°♏30'38	
	-8484 Feb 14 j 19:49	0°♐	
	-8484 Mar 30 j 02:08	0°♑	
	-8484 May 16 j 06:42	0°♒	
	-8484 Jul 07 j 04:12	0°♓	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

asc. node	-8484 Sep 15 j 03:36	28°♓45'21	
	-8484 Sep 22 j 06:35	0°♈	
retrograde	-8484 Oct 04 j 06:59	0°♈51'54	
	-8484 Oct 15 j 20:28	30°℞♓	
opposition	-8484 Nov 11 j 20:31	21°♓54'27	2°13'57
greatest brilliancy	-8484 Nov 12 j 02:36	21°♓48'30	-1.5m
min. Earth dist.	-8484 Nov 15 j 18:01	20°♓22'46	0.63991 AU
direct	-8484 Dec 22 j 21:20	11°♓54'55	
	-8483 Feb 23 j 03:45	0°♈	
	-8483 Apr 16 j 19:05	0°♉	
	-8483 May 31 j 04:24	0°♊	
	-8483 Jul 10 j 23:31	0°♋	
	-8483 Aug 18 j 23:35	0°♌	
desc. node	-8483 Aug 22 j 05:43	2°♌32'09	
	-8483 Sep 26 j 10:12	0°♍	
	-8483 Nov 04 j 07:53	0°♎	
evening set	-8483 Nov 08 j 02:36	2°♎52'16	
	-8483 Dec 14 j 12:22	0°♏	
conjunction	-8482 Jan 06 j 23:40	16°♏55'53	-1°10'46
minimum elong	-8482 Jan 06 j 22:47	16°♏54'17	1°11'07
	-8482 Jan 25 j 13:05	0°♐	
max. Earth dist.	-8482 Feb 12 j 01:19	12°♐04'36	2.53570 AU
morning rise	-8482 Mar 04 j 05:08	25°♐41'54	
	-8482 Mar 10 j 16:05	0°♑	
	-8482 Apr 25 j 20:21	0°♒	
	-8482 Jun 13 j 01:59	0°♓	
asc. node	-8482 Aug 03 j 01:23	29°♓49'43	
	-8482 Aug 03 j 08:46	0°♈	
	-8482 Oct 04 j 04:16	0°♉	
retrograde	-8482 Nov 16 j 03:42	9°♉13'31	
opposition	-8482 Dec 22 j 07:20	1°♉27'43	5°06'35
greatest brilliancy	-8482 Dec 23 j 12:12	1°♉01'09	-1.8m
	-8482 Dec 26 j 06:27	30°℞♈	
min. Earth dist.	-8482 Dec 29 j 15:27	28°♈46'02	0.55313 AU
direct	-8481 Jan 31 j 02:14	22°♈05'20	
	-8481 Mar 09 j 04:58	0°♉	
	-8481 May 04 j 13:47	0°♊	
	-8481 Jun 17 j 09:26	0°♋	
desc. node	-8481 Jul 10 j 07:00	16°♋49'37	
	-8481 Jul 27 j 19:29	0°♌	
	-8481 Sep 05 j 04:57	0°♍	
	-8481 Oct 14 j 21:45	0°♎	
	-8481 Nov 24 j 19:20	0°♏	
evening set	-8480 Jan 03 j 06:45	27°♏49'51	
	-8480 Jan 06 j 10:13	0°♐	
	-8480 Feb 19 j 21:44	0°♑	
conjunction	-8480 Feb 25 j 01:04	3°♑23'38	-0°58'00
minimum elong	-8480 Feb 25 j 02:43	3°♑26'22	0°58'33
max. Earth dist.	-8480 Mar 13 j 11:25	14°♑48'38	2.62652 AU
	-8480 Apr 05 j 23:08	0°♒	
morning rise	-8480 Apr 14 j 20:05	5°♒41'19	
	-8480 May 23 j 02:28	0°♓	
asc. node	-8480 Jun 19 j 19:54	17°♓26'04	
	-8480 Jul 09 j 23:01	0°♈	
	-8480 Aug 27 j 20:29	0°♉	
	-8480 Oct 18 j 23:32	0°♊	
	-8479 Jan 10 j 00:57	0°♋	
retrograde	-8479 Jan 13 j 08:29	0°♋04'07	
	-8479 Jan 16 j 15:35	30°℞♊	
opposition	-8479 Feb 14 j 14:33	24°♊11'37	5°55'11
greatest brilliancy	-8479 Feb 16 j 05:41	23°♊41'27	-2.5m
min. Earth dist.	-8479 Feb 21 j 23:53	21°♊56'02	0.43003 AU
direct	-8479 Mar 21 j 10:50	17°♊13'56	
	-8479 May 07 j 09:58	0°♋	
desc. node	-8479 May 27 j 10:51	10°♋39'36	
	-8479 Jun 27 j 09:01	0°♌	
	-8479 Aug 09 j 20:26	0°♍	
	-8479 Sep 21 j 01:23	0°♎	
	-8479 Nov 02 j 18:14	0°♏	
	-8479 Dec 16 j 16:50	0°♐	
	-8478 Jan 31 j 01:40	0°♑	
evening set	-8478 Feb 16 j 05:47	10°♑30'13	
	-8478 Mar 18 j 12:57	0°♒	
conjunction	-8478 Apr 06 j 00:53	11°♒50'04	-0°17'55
minimum elong	-8478 Apr 06 j 01:35	11°♒51'11	0°18'21
max. Earth dist.	-8478 Apr 07 j 09:55	12°♒42'51	2.66580 AU
	-8478 May 04 j 11:06	0°♓	
asc. node	-8478 May 07 j 13:00	1°♓58'11	
morning rise	-8478 May 22 j 18:05	11°♓42'51	
	-8478 Jun 20 j 03:38	0°♈	
	-8478 Aug 05 j 04:37	0°♉	
	-8478 Sep 19 j 15:09	0°♊	
	-8478 Nov 03 j 22:50	0°♋	
	-8478 Dec 20 j 10:36	0°♌	
	-8477 Feb 11 j 13:34	0°♍	
retrograde	-8477 Apr 01 j 08:51	13°♍14'18	
desc. node	-8477 Apr 14 j 15:47	12°♍05'24	
min. Earth dist.	-8477 Apr 29 j 08:42	8°♍38'47	0.38648 AU
opposition	-8477 May 03 j 04:58	7°♍34'46	-1°26'54
greatest brilliancy	-8477 May 02 j 22:36	7°♍39'11	-2.9m
direct	-8477 Jun 02 j 07:53	2°♍26'05	
	-8477 Aug 19 j 03:55	0°♎	
	-8477 Oct 08 j 08:52	0°♏	
	-8477 Nov 24 j 23:01	0°♐	
	-8476 Jan 11 j 08:30	0°♑	
	-8476 Feb 27 j 21:31	0°♒	
asc. node	-8476 Mar 24 j 07:03	16°♒04'10	
evening set	-8476 Mar 27 j 00:20	17°♒47'45	
	-8476 Apr 15 j 04:06	0°♓	
max. Earth dist.	-8476 Apr 30 j 20:10	10°♓03'14	2.65110 AU
conjunction	-8476 May 13 j 12:18	18°♓14'50	0°28'18
minimum elong	-8476 May 13 j 11:18	18°♓13'12	0°28'06
	-8476 May 31 j 12:37	0°♈	
morning rise	-8476 Jun 28 j 21:19	18°♈48'41	
	-8476 Jul 15 j 11:12	0°♉	
	-8476 Aug 27 j 20:53	0°♊	
	-8476 Oct 08 j 22:14	0°♋	
	-8476 Nov 19 j 02:10	0°♌	
	-8476 Dec 30 j 02:29	0°♍	
	-8475 Feb 10 j 10:14	0°♎	
desc. node	-8475 Mar 01 j 16:30	12°♎50'06	
	-8475 Mar 30 j 03:16	0°♏	
retrograde	-8475 May 30 j 13:26	20°♏20'02	
min. Earth dist.	-8475 Jun 28 j 23:18	14°♏29'06	0.49228 AU
greatest brilliancy	-8475 Jul 05 j 09:01	12°♏10'33	-2.2m
opposition	-8475 Jul 06 j 22:44	11°♏36'24	-5°48'45
direct	-8475 Aug 09 j 15:19	4°♏29'27	
	-8475 Oct 26 j 00:30	0°♐	
	-8475 Dec 19 j 00:27	0°♑	
	-8474 Feb 07 j 04:22	0°♒	
asc. node	-8474 Feb 09 j 05:57	1°♒15'36	
	-8474 Mar 27 j 13:06	0°♓	
evening set	-8474 May 05 j 09:50	24°♓56'23	
	-8474 May 13 j 03:10	0°♈	
max. Earth dist.	-8474 May 27 j 13:33	9°♈33'53	2.58449 AU
conjunction	-8474 Jun 23 j 00:38	27°♈28'35	1°04'32
minimum elong	-8474 Jun 22 j 23:16	27°♈26'15	1°04'42
	-8474 Jun 26 j 16:41	0°♉	
	-8474 Aug 08 j 05:31	0°♊	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

morning rise	-8474 Aug 11 j 10:48	2°♊19'36	
	-8474 Sep 18 j 00:46	0°♋	
	-8474 Oct 27 j 15:44	0°♌	
	-8474 Dec 05 j 19:40	0°♍	
	-8473 Jan 14 j 10:18	0°♎	
desc. node	-8473 Jan 17 j 13:28	2°♎19'58	
	-8473 Feb 24 j 17:13	0°♏	
	-8473 Apr 10 j 20:57	0°♐	
	-8473 Jun 08 j 11:20	0°♑	
retrograde	-8473 Jul 12 j 10:41	6°♑45'44	
	-8473 Aug 13 j 04:30	30°℞♐	
min. Earth dist.	-8473 Aug 16 j 02:10	28°♐52'23	0.60330 AU
greatest brilliancy	-8473 Aug 20 j 09:08	27°♐10'24	-1.6m
opposition	-8473 Aug 21 j 02:29	26°♐53'11	-4°30'54
direct	-8473 Sep 27 j 11:10	18°♐12'14	
	-8473 Nov 15 j 20:26	0°♑	
asc. node	-8473 Dec 28 j 08:46	20°♑13'33	
	-8472 Jan 15 j 09:02	0°♒	
	-8472 Mar 06 j 15:58	0°♓	
	-8472 Apr 23 j 05:58	0°♈	
	-8472 Jun 06 j 22:59	0°♉	
evening set	-8472 Jun 17 j 02:02	7°♉02'48	
max. Earth dist.	-8472 Jul 02 j 13:15	17°♉59'38	2.47465 AU
	-8472 Jul 19 j 04:18	0°♊	
conjunction	-8472 Aug 09 j 05:28	15°♊32'20	1°07'32
minimum elong	-8472 Aug 09 j 07:00	15°♊35'12	1°08'04
	-8472 Aug 28 j 09:59	0°♋	
morning rise	-8472 Oct 06 j 03:35	29°♋49'46	
	-8472 Oct 06 j 08:50	0°♌	
	-8472 Nov 13 j 20:13	0°♍	
desc. node	-8472 Dec 04 j 09:22	15°♍56'32	
	-8472 Dec 22 j 16:56	0°♎	
	-8471 Jan 31 j 20:51	0°♏	
	-8471 Mar 15 j 07:55	0°♐	
	-8471 Apr 30 j 15:37	0°♑	
	-8471 Jun 25 j 08:25	0°♒	
retrograde	-8471 Aug 16 j 13:19	13°♒33'26	
min. Earth dist.	-8471 Sep 24 j 06:35	4°♒14'15	0.66115 AU
opposition	-8471 Sep 25 j 13:08	3°♒43'31	-1°53'48
greatest brilliancy	-8471 Sep 25 j 11:38	3°♒45'01	-1.4m
	-8471 Oct 05 j 02:49	30°℞♑	
direct	-8471 Nov 04 j 07:35	24°♑09'19	
asc. node	-8471 Nov 14 j 13:32	24°♑47'08	
	-8471 Dec 07 j 16:12	0°♒	
	-8470 Feb 11 j 06:30	0°♓	
	-8470 Apr 02 j 21:04	0°♈	
	-8470 May 18 j 12:19	0°♉	
	-8470 Jun 29 j 21:35	0°♊	
	-8470 Aug 08 j 23:39	0°♋	
evening set	-8470 Aug 09 j 20:54	0°♋40'39	
	-8470 Sep 16 j 16:20	0°♌	
conjunction	-8470 Oct 10 j 06:15	18°♌30'40	0°09'02
minimum elong	-8470 Oct 10 j 07:07	18°♌32'22	0°09'27
behind sun begin	-8470 Oct 09 j 08:29	17°♌47'55	
behind sun end	-8470 Oct 11 j 05:46	19°♌16'49	
max. Earth dist.	-8470 Oct 18 j 03:06	24°♌41'18	2.38031 AU
desc. node	-8470 Oct 22 j 03:06	27°♌49'35	
	-8470 Oct 24 j 21:39	0°♍	
	-8470 Dec 02 j 13:12	0°♎	
morning rise	-8470 Dec 15 j 09:18	9°♎46'52	
	-8469 Jan 11 j 10:59	0°♏	
	-8469 Feb 22 j 07:54	0°♐	
	-8469 Apr 07 j 19:17	0°♑	
	-8469 May 25 j 20:38	0°♒	
	-8469 Jul 20 j 11:47	0°♓	
retrograde	-8469 Sep 20 j 19:07	17°♓33'44	
asc. node	-8469 Oct 02 j 17:22	16°♓38'07	
opposition	-8469 Oct 29 j 23:15	8°♓16'50	1°03'25
greatest brilliancy	-8469 Oct 30 j 00:53	8°♓15'13	-1.4m
min. Earth dist.	-8469 Nov 01 j 10:10	7°♓18'21	0.65791 AU
	-8469 Nov 23 j 18:48	30°℞♒	
direct	-8469 Dec 09 j 22:20	28°♒18'01	
	-8469 Dec 26 j 22:51	0°♓	
	-8468 Mar 08 j 03:18	0°♈	
	-8468 Apr 26 j 02:19	0°♉	
	-8468 Jun 08 j 12:43	0°♊	
	-8468 Jul 18 j 23:04	0°♋	
	-8468 Aug 26 j 18:34	0°♌	
desc. node	-8468 Sep 07 j 22:44	9°♌31'50	
	-8468 Oct 04 j 01:44	0°♍	
evening set	-8468 Oct 13 j 14:36	7°♍26'32	
	-8468 Nov 11 j 19:54	0°♎	
conjunction	-8468 Dec 15 j 04:43	25°♎05'24	-1°00'57
minimum elong	-8468 Dec 15 j 02:04	25°♎00'30	1°01'06
	-8468 Dec 21 j 20:47	0°♏	
max. Earth dist.	-8467 Jan 27 j 05:36	26°♏07'19	2.48856 AU
	-8467 Feb 01 j 18:26	0°♐	
morning rise	-8467 Feb 12 j 22:32	7°♐44'53	
	-8467 Mar 17 j 20:34	0°♑	
	-8467 May 03 j 06:07	0°♒	
	-8467 Jun 21 j 08:56	0°♓	
	-8467 Aug 14 j 20:07	0°♈	
asc. node	-8467 Aug 19 j 17:51	2°♈24'47	
retrograde	-8467 Oct 29 j 05:20	23°♈36'12	
opposition	-8467 Dec 05 j 11:50	15°♈17'49	4°03'23
greatest brilliancy	-8467 Dec 06 j 06:17	15°♈00'15	-1.7m
min. Earth dist.	-8467 Dec 11 j 14:04	12°♈58'53	0.59365 AU
direct	-8466 Jan 15 j 01:51	5°♈31'54	
	-8466 Mar 28 j 18:41	0°♉	
	-8466 May 15 j 22:30	0°♊	
	-8466 Jun 27 j 00:01	0°♋	
desc. node	-8466 Jul 26 j 23:13	22°♋35'23	
	-8466 Aug 05 j 15:15	0°♌	
	-8466 Sep 13 j 12:25	0°♍	
	-8466 Oct 22 j 19:05	0°♎	
	-8466 Dec 02 j 07:50	0°♏	
evening set	-8466 Dec 14 j 02:11	8°♏28'47	
	-8465 Jan 13 j 15:26	0°♐	
conjunction	-8465 Feb 07 j 06:56	16°♐51'32	-1°07'50
minimum elong	-8465 Feb 07 j 08:09	16°♐53'36	1°08'21
	-8465 Feb 26 j 22:00	0°♑	
max. Earth dist.	-8465 Mar 03 j 18:02	3°♑12'05	2.59691 AU
morning rise	-8465 Mar 31 j 03:10	21°♑06'09	
	-8465 Apr 13 j 22:35	0°♒	
	-8465 May 31 j 08:31	0°♓	
asc. node	-8465 Jul 07 j 13:50	23°♓00'11	
	-8465 Jul 19 j 02:14	0°♈	
	-8465 Sep 08 j 09:43	0°♉	
	-8465 Nov 09 j 17:17	0°♊	
retrograde	-8465 Dec 19 j 14:09	8°♊08'13	
opposition	-8464 Jan 22 j 10:17	1°♊27'20	6°10'48
greatest brilliancy	-8464 Jan 24 j 04:34	0°♊51'39	-2.2m
	-8464 Jan 26 j 17:32	30°℞♉	
min. Earth dist.	-8464 Jan 30 j 17:06	28°♉40'19	0.47847 AU
direct	-8464 Feb 28 j 19:14	23°♉16'46	
	-8464 Apr 01 j 21:28	0°♊	
	-8464 May 27 j 21:12	0°♋	
desc. node	-8464 Jun 13 j 02:48	10°♋48'38	
	-8464 Jul 10 j 09:51	0°♌	
	-8464 Aug 20 j 10:12	0°♍	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8464 Sep 30 j 05:44	0°♎	
	-8464 Nov 10 j 23:48	0°♏	
	-8464 Dec 24 j 06:23	0°♐	
evening set	-8463 Jan 30 j 17:00	25°♐04'31	
	-8463 Feb 07 j 04:31	0°♑	
conjunction	-8463 Mar 21 j 16:24	27°♑35'32	-0°35'04
minimum elong	-8463 Mar 21 j 17:42	27°♑37'37	0°35'35
	-8463 Mar 25 j 10:18	0°♒	
max. Earth dist.	-8463 Mar 28 j 23:56	2°♒17'24	2.65694 AU
morning rise	-8463 May 08 j 06:05	28°♒00'50	
	-8463 May 11 j 08:50	0°♓	
asc. node	-8463 May 24 j 07:00	8°♓14'23	
	-8463 Jun 27 j 09:09	0°♈	
	-8463 Aug 13 j 05:03	0°♉	
	-8463 Sep 29 j 04:53	0°♊	
	-8463 Nov 16 j 16:17	0°♋	
	-8462 Jan 11 j 07:33	0°♌	
retrograde	-8462 Mar 02 j 00:04	12°♌52'29	
opposition	-8462 Apr 01 j 15:27	7°♌46'09	2°19'23
greatest brilliancy	-8462 Apr 01 j 21:49	7°♌41'52	-2.9m
min. Earth dist.	-8462 Apr 03 j 03:47	7°♌21'44	0.38212 AU
desc. node	-8462 May 01 j 06:39	2°♌32'37	
direct	-8462 May 02 j 13:00	2°♌31'59	
	-8462 Jul 17 j 03:26	0°♍	
	-8462 Sep 03 j 08:46	0°♎	
	-8462 Oct 18 j 22:45	0°♏	
	-8462 Dec 03 j 13:35	0°♐	
	-8461 Jan 18 j 22:27	0°♑	
	-8461 Mar 06 j 22:43	0°♒	
evening set	-8461 Mar 12 j 20:35	3°♒45'33	
asc. node	-8461 Apr 11 j 00:19	22°♒19'29	
max. Earth dist.	-8461 Apr 22 j 08:49	29°♒34'48	2.66345 AU
	-8461 Apr 23 j 00:33	0°♓	
conjunction	-8461 Apr 29 j 13:39	4°♓11'44	0°10'40
minimum elong	-8461 Apr 29 j 13:15	4°♓11'06	0°10'22
behind sun begin	-8461 Apr 28 j 22:18	3°♓47'08	
behind sun end	-8461 Apr 30 j 04:12	4°♓35'04	
	-8461 Jun 08 j 10:51	0°♈	
morning rise	-8461 Jun 14 j 17:34	4°♈06'39	
	-8461 Jul 23 j 17:37	0°♉	
	-8461 Sep 05 j 17:54	0°♊	
	-8461 Oct 18 j 16:30	0°♋	
	-8461 Nov 30 j 01:09	0°♌	
	-8460 Jan 11 j 19:39	0°♍	
	-8460 Feb 26 j 19:39	0°♎	
desc. node	-8460 Mar 18 j 10:39	11°♎33'16	
retrograde	-8460 May 10 j 01:54	27°♎21'37	
min. Earth dist.	-8460 Jun 06 j 15:35	22°♎19'28	0.44277 AU
greatest brilliancy	-8460 Jun 13 j 02:07	20°♎11'33	-2.5m
opposition	-8460 Jun 14 j 13:54	19°♎41'42	-5°12'41
direct	-8460 Jul 16 j 15:22	13°♎24'46	
	-8460 Sep 12 j 23:33	0°♏	
	-8460 Nov 07 j 16:52	0°♐	
	-8460 Dec 27 j 22:38	0°♑	
	-8459 Feb 14 j 18:39	0°♒	
asc. node	-8459 Feb 25 j 20:44	6°♒53'29	
	-8459 Apr 03 j 14:32	0°♓	
evening set	-8459 Apr 19 j 21:29	10°♓24'21	
max. Earth dist.	-8459 May 16 j 15:50	27°♓46'31	2.61654 AU
	-8459 May 20 j 01:08	0°♈	
conjunction	-8459 Jun 06 j 17:32	11°♈43'37	0°52'50
minimum elong	-8459 Jun 06 j 16:00	11°♈41'05	0°52'52
	-8459 Jul 03 j 17:10	0°♉	
morning rise	-8459 Jul 24 j 10:05	14°♉21'01	
	-8459 Aug 15 j 12:46	0°♊	
	-8459 Sep 25 j 17:41	0°♋	
	-8459 Nov 04 j 19:48	0°♌	
	-8459 Dec 14 j 11:52	0°♍	
	-8458 Jan 23 j 17:16	0°♎	
desc. node	-8458 Feb 03 j 09:53	7°♎46'37	
	-8458 Mar 07 j 02:38	0°♏	
	-8458 Apr 24 j 17:35	0°♐	
retrograde	-8458 Jun 27 j 00:31	20°♐32'16	
min. Earth dist.	-8458 Jul 29 j 16:27	13°♐23'15	0.56470 AU
greatest brilliancy	-8458 Aug 03 j 23:53	11°♐19'52	-1.8m
opposition	-8458 Aug 05 j 02:16	10°♐54'14	-5°17'50
direct	-8458 Sep 10 j 04:23	2°♐44'18	
	-8458 Dec 01 j 07:31	0°♑	
asc. node	-8457 Jan 13 j 22:04	23°♑50'09	
	-8457 Jan 24 j 13:39	0°♒	
	-8457 Mar 15 j 08:37	0°♓	
	-8457 May 01 j 10:43	0°♈	
evening set	-8457 May 31 j 06:48	19°♈53'01	
	-8457 Jun 15 j 01:17	0°♉	
max. Earth dist.	-8457 Jun 17 j 00:29	1°♉21'39	2.52146 AU
conjunction	-8457 Jul 21 j 03:26	25°♉29'46	1°12'25
minimum elong	-8457 Jul 21 j 03:27	25°♉29'47	1°12'49
	-8457 Jul 27 j 08:42	0°♊	
	-8457 Sep 05 j 18:44	0°♋	
morning rise	-8457 Sep 12 j 23:31	5°♋27'37	
	-8457 Oct 14 j 22:40	0°♌	
	-8457 Nov 22 j 15:05	0°♍	
desc. node	-8457 Dec 22 j 04:41	22°♍46'09	
	-8457 Dec 31 j 16:40	0°♎	
	-8456 Feb 10 j 02:55	0°♏	
	-8456 Mar 24 j 03:56	0°♐	
	-8456 May 11 j 08:35	0°♑	
	-8456 Aug 01 j 00:36	0°♒	
retrograde	-8456 Aug 02 j 21:38	0°♒01'24	
	-8456 Aug 04 j 18:25	30°℞♑	
min. Earth dist.	-8456 Sep 09 j 04:06	21°♑11'50	0.64550 AU
opposition	-8456 Sep 11 j 21:46	20°♑05'50	-2°58'35
greatest brilliancy	-8456 Sep 11 j 15:47	20°♑11'51	-1.5m
direct	-8456 Oct 20 j 20:48	10°♑48'48	
asc. node	-8456 Dec 01 j 02:56	19°♑21'29	
	-8456 Dec 26 j 11:26	0°♒	
	-8455 Feb 20 j 19:30	0°♓	
	-8455 Apr 10 j 20:01	0°♈	
	-8455 May 25 j 23:59	0°♉	
	-8455 Jul 07 j 06:36	0°♊	
evening set	-8455 Jul 18 j 07:59	8°♊08'06	
max. Earth dist.	-8455 Aug 13 j 06:41	27°♊37'49	2.40252 AU
	-8455 Aug 16 j 09:15	0°♋	
conjunction	-8455 Sep 14 j 09:13	22°♋23'04	0°39'09
minimum elong	-8455 Sep 14 j 11:58	22°♋28'26	0°39'39
	-8455 Sep 24 j 03:23	0°♌	
	-8455 Nov 01 j 10:03	0°♍	
desc. node	-8455 Nov 07 j 22:49	5°♍06'25	
morning rise	-8455 Nov 17 j 18:19	12°♍45'18	
	-8455 Dec 10 j 02:24	0°♎	
	-8454 Jan 19 j 00:51	0°♏	
	-8454 Mar 02 j 00:27	0°♐	
	-8454 Apr 15 j 21:45	0°♑	
	-8454 Jun 04 j 11:16	0°♒	
	-8454 Aug 09 j 08:25	0°♓	
retrograde	-8454 Sep 06 j 21:53	4°♓31'54	
	-8454 Oct 03 j 05:36	30°℞♒	
opposition	-8454 Oct 16 j 12:47	24°♒59'23	-0°06'30
greatest brilliancy	-8454 Oct 16 j 13:00	24°♒59'10	-1.4m

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

min. Earth dist.	-8454 Oct 17 j 12:49	24°♒35'20	0.66652 AU
asc. node	-8454 Oct 19 j 08:00	23°♒52'15	
direct	-8454 Nov 26 j 04:21	15°♒06'53	
	-8453 Jan 21 j 20:22	0°♓	
	-8453 Mar 19 j 10:21	0°♈	
	-8453 May 05 j 13:58	0°♉	
	-8453 Jun 17 j 11:14	0°♊	
	-8453 Jul 27 j 16:56	0°♋	
	-8453 Sep 04 j 10:16	0°♌	
evening set	-8453 Sep 18 j 05:28	10°♌49'29	
desc. node	-8453 Sep 25 j 17:58	16°♌44'05	
	-8453 Oct 12 j 15:40	0°♍	
	-8453 Nov 20 j 07:35	0°♎	
conjunction	-8453 Nov 21 j 02:19	0°♎35'52	-0°39'59
minimum elong	-8453 Nov 20 j 23:16	0°♎30'02	0°39'53
	-8453 Dec 30 j 05:46	0°♏	
max. Earth dist.	-8452 Jan 06 j 21:23	5°♏36'05	2.43799 AU
morning rise	-8452 Jan 23 j 10:04	17°♏32'01	
	-8452 Feb 10 j 01:27	0°♐	
	-8452 Mar 25 j 04:30	0°♑	
	-8452 May 10 j 23:32	0°♒	
	-8452 Jun 30 j 12:43	0°♓	
	-8452 Aug 31 j 04:26	0°♈	
asc. node	-8452 Sep 05 j 10:01	1°♈53'16	
retrograde	-8452 Oct 13 j 00:13	9°♈10'38	
opposition	-8452 Nov 20 j 04:11	0°♈25'50	2°54'34
greatest brilliancy	-8452 Nov 20 j 14:03	0°♈16'14	-1.5m
	-8452 Nov 21 j 06:44	30°♓℞	
min. Earth dist.	-8452 Nov 24 j 21:15	28°♓35'58	0.62582 AU
direct	-8452 Dec 31 j 03:23	20°♓28'37	
	-8451 Feb 11 j 16:45	0°♈	
	-8451 Apr 10 j 05:04	0°♉	
	-8451 May 25 j 13:38	0°♊	
	-8451 Jul 05 j 17:37	0°♋	
desc. node	-8451 Aug 12 j 15:46	29°♋01'06	
	-8451 Aug 13 j 22:09	0°♌	
	-8451 Sep 21 j 11:53	0°♍	
	-8451 Oct 30 j 11:59	0°♎	
evening set	-8451 Nov 21 j 18:29	16°♎44'21	
	-8451 Dec 09 j 18:25	0°♏	
conjunction	-8450 Jan 18 j 21:40	28°♏38'15	-1°11'55
minimum elong	-8450 Jan 18 j 21:45	28°♏38'23	1°12'20
	-8450 Jan 20 j 20:36	0°♐	
max. Earth dist.	-8450 Feb 19 j 17:14	20°♐27'01	2.55947 AU
	-8450 Mar 05 j 23:36	0°♑	
morning rise	-8450 Mar 14 j 09:11	5°♑33'38	
	-8450 Apr 21 j 01:11	0°♒	
	-8450 Jun 07 j 21:30	0°♓	
asc. node	-8450 Jul 24 j 07:31	27°♓51'51	
	-8450 Jul 27 j 23:52	0°♈	
	-8450 Sep 21 j 23:43	0°♉	
retrograde	-8450 Nov 27 j 09:00	19°♉17'08	
opposition	-8449 Jan 01 j 18:40	11°♉52'21	5°36'50
greatest brilliancy	-8449 Jan 03 j 05:31	11°♉21'03	-2.0m
min. Earth dist.	-8449 Jan 09 j 15:46	9°♉02'58	0.52782 AU
direct	-8449 Feb 09 j 21:43	2°♉49'28	
	-8449 Apr 25 j 23:07	0°♊	
	-8449 Jun 10 j 18:51	0°♋	
desc. node	-8449 Jun 30 j 18:48	14°♋21'31	
	-8449 Jul 21 j 22:22	0°♌	
	-8449 Aug 30 j 17:45	0°♍	
	-8449 Oct 09 j 17:31	0°♎	
	-8449 Nov 19 j 20:24	0°♏	
	-8448 Jan 01 j 15:29	0°♐	
evening set	-8448 Jan 14 j 01:20	8°♐28'11	
	-8448 Feb 15 j 05:36	0°♑	
conjunction	-8448 Mar 05 j 16:06	12°♑45'09	-0°50'24
minimum elong	-8448 Mar 05 j 17:45	12°♑47'50	0°50'57
max. Earth dist.	-8448 Mar 19 j 09:35	21°♑39'58	2.63977 AU
	-8448 Apr 01 j 07:44	0°♒	
morning rise	-8448 Apr 23 j 12:38	14°♒12'54	
	-8448 May 18 j 08:27	0°♓	
asc. node	-8448 Jun 10 j 01:18	14°♓22'09	
	-8448 Jul 04 j 20:07	0°♈	
	-8448 Aug 21 j 19:43	0°♉	
	-8448 Oct 10 j 10:34	0°♊	
	-8448 Dec 05 j 21:58	0°♋	
retrograde	-8447 Jan 29 j 15:32	14°♋34'33	
opposition	-8447 Mar 02 j 01:49	9°♋06'36	5°08'00
greatest brilliancy	-8447 Mar 03 j 07:58	8°♋44'48	-2.7m
min. Earth dist.	-8447 Mar 08 j 02:50	7°♋22'25	0.40745 AU
direct	-8447 Apr 04 j 07:40	2°♋52'37	
desc. node	-8447 May 18 j 00:13	14°♋02'23	
	-8447 Jun 16 j 22:09	0°♌	
	-8447 Aug 02 j 08:28	0°♍	
	-8447 Sep 14 j 19:51	0°♎	
	-8447 Oct 28 j 05:48	0°♏	
	-8447 Dec 11 j 15:11	0°♐	
	-8446 Jan 26 j 06:33	0°♑	
evening set	-8446 Feb 25 j 09:31	19°♑25'57	
	-8446 Mar 13 j 21:30	0°♒	
max. Earth dist.	-8446 Apr 12 j 22:18	19°♒10'53	2.66732 AU
conjunction	-8446 Apr 14 j 16:43	20°♒18'38	-0°07'30
minimum elong	-8446 Apr 14 j 17:02	20°♒19'07	0°07'54
behind sun begin	-8446 Apr 13 j 23:49	19°♒51'38	
behind sun end	-8446 Apr 15 j 10:15	20°♒46'36	
asc. node	-8446 Apr 27 j 17:22	28°♒38'08	
	-8446 Apr 29 j 20:33	0°♓	
morning rise	-8446 May 31 j 02:15	20°♓04'07	
	-8446 Jun 15 j 10:24	0°♈	
	-8446 Jul 31 j 04:08	0°♉	
	-8446 Sep 14 j 00:15	0°♊	
	-8446 Oct 28 j 06:29	0°♋	
	-8446 Dec 11 j 17:13	0°♌	
	-8445 Jan 27 j 13:36	0°♍	
desc. node	-8445 Apr 05 j 03:31	29°♍23'55	
	-8445 Apr 09 j 22:24	0°♎	
retrograde	-8445 Apr 16 j 23:09	0°♎20'14	
	-8445 Apr 23 j 21:56	30°♌℞	
min. Earth dist.	-8445 May 13 j 23:49	25°♍47'00	0.40139 AU
opposition	-8445 May 19 j 23:57	24°♍01'00	-3°15'29
greatest brilliancy	-8445 May 19 j 04:48	24°♍15'11	-2.8m
direct	-8445 Jun 19 j 15:48	18°♍33'30	
	-8445 Aug 04 j 19:52	0°♎	
	-8445 Sep 30 j 15:28	0°♏	
	-8445 Nov 19 j 00:24	0°♐	
	-8444 Jan 06 j 04:19	0°♑	
	-8444 Feb 23 j 02:27	0°♒	
asc. node	-8444 Mar 14 j 12:32	12°♒51'10	
evening set	-8444 Apr 04 j 16:55	26°♒16'31	
	-8444 Apr 10 j 13:14	0°♓	
max. Earth dist.	-8444 May 06 j 14:35	16°♓44'37	2.64107 AU
conjunction	-8444 May 22 j 05:08	26°♓54'15	0°37'55
minimum elong	-8444 May 22 j 03:51	26°♓52'09	0°37'49
	-8444 May 26 j 22:26	0°♈	
morning rise	-8444 Jul 07 j 21:20	28°♈01'33	
	-8444 Jul 10 j 18:55	0°♉	
	-8444 Aug 22 j 23:21	0°♊	
	-8444 Oct 03 j 16:45	0°♋	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8444 Nov 13 j 09:46	0°♌	
	-8444 Dec 23 j 19:33	0°♍	
	-8443 Feb 03 j 02:16	0°♎	
desc. node	-8443 Feb 20 j 03:39	11°♎52'54	
	-8443 Mar 19 j 19:39	0°♏	
	-8443 May 22 j 13:59	0°♐	
retrograde	-8443 Jun 10 j 02:32	2°♐18'19	
	-8443 Jun 28 j 00:24	30°℞♏	
min. Earth dist.	-8443 Jul 10 j 15:53	25°♏58'55	0.51944 AU
greatest brilliancy	-8443 Jul 16 j 18:58	23°♏42'05	-2.0m
opposition	-8443 Jul 18 j 05:43	23°♏09'38	-5°46'32
direct	-8443 Aug 21 j 20:36	15°♏37'54	
	-8443 Oct 15 j 09:45	0°♐	
	-8443 Dec 12 j 15:38	0°♑	
asc. node	-8442 Jan 30 j 12:32	28°♑33'01	
	-8442 Feb 01 j 22:24	0°♒	
	-8442 Mar 22 j 17:42	0°♓	
	-8442 May 08 j 11:47	0°♈	
evening set	-8442 May 14 j 14:42	4°♈01'52	
max. Earth dist.	-8442 Jun 03 j 14:43	17°♈23'36	2.56380 AU
	-8442 Jun 22 j 02:04	0°♉	
conjunction	-8442 Jul 02 j 20:36	7°♉28'33	1°09'11
minimum elong	-8442 Jul 02 j 19:35	7°♉26'46	1°09'28
	-8442 Aug 03 j 13:18	0°♊	
morning rise	-8442 Aug 22 j 13:42	13°♊52'58	
	-8442 Sep 13 j 05:34	0°♋	
	-8442 Oct 22 j 16:27	0°♌	
	-8442 Nov 30 j 15:42	0°♍	
desc. node	-8441 Jan 08 j 00:51	29°♍15'45	
	-8441 Jan 09 j 00:22	0°♎	
	-8441 Feb 18 j 20:54	0°♏	
	-8441 Apr 03 j 22:36	0°♐	
	-8441 May 26 j 06:33	0°♑	
retrograde	-8441 Jul 20 j 20:30	15°♑47'53	
min. Earth dist.	-8441 Aug 25 j 11:42	7°♑32'47	0.62074 AU
opposition	-8441 Aug 29 j 16:34	5°♑52'07	-3°59'03
greatest brilliancy	-8441 Aug 29 j 03:50	6°♑04'50	-1.6m
	-8441 Sep 15 j 04:19	30°℞♐	
direct	-8441 Oct 06 j 15:58	26°♐56'43	
	-8441 Oct 29 j 22:14	0°♑	
asc. node	-8441 Dec 18 j 16:24	19°♑16'09	
	-8440 Jan 08 j 17:11	0°♒	
	-8440 Mar 01 j 08:44	0°♓	
	-8440 Apr 18 j 09:34	0°♈	
	-8440 Jun 02 j 06:31	0°♉	
evening set	-8440 Jun 27 j 22:32	18°♉01'35	
	-8440 Jul 14 j 12:28	0°♊	
max. Earth dist.	-8440 Jul 14 j 13:16	0°♊01'28	2.44761 AU
conjunction	-8440 Aug 21 j 16:20	28°♊26'53	1°00'16
minimum elong	-8440 Aug 21 j 18:41	28°♊31'20	1°00'48
	-8440 Aug 23 j 17:19	0°♋	
	-8440 Oct 01 j 14:28	0°♌	
morning rise	-8440 Oct 21 j 02:12	15°♌13'15	
	-8440 Nov 08 j 23:59	0°♍	
desc. node	-8440 Nov 24 j 18:22	12°♍16'18	
	-8440 Dec 17 j 18:41	0°♎	
	-8439 Jan 26 j 19:33	0°♏	
	-8439 Mar 10 j 00:32	0°♐	
	-8439 Apr 24 j 14:48	0°♑	
	-8439 Jun 16 j 00:14	0°♒	
retrograde	-8439 Aug 24 j 08:05	21°♒31'28	
opposition	-8439 Oct 03 j 05:41	11°♒46'47	-1°14'58
greatest brilliancy	-8439 Oct 03 j 05:35	11°♒46'53	-1.4m
min. Earth dist.	-8439 Oct 02 j 18:45	11°♒57'47	0.66572 AU
asc. node	-8439 Nov 04 j 21:25	2°♒26'21	
direct	-8439 Nov 12 j 08:55	2°♒04'49	
	-8438 Feb 04 j 07:20	0°♓	
	-8438 Mar 28 j 10:51	0°♈	
	-8438 May 13 j 13:35	0°♉	
	-8438 Jun 25 j 02:55	0°♊	
	-8438 Aug 04 j 06:17	0°♋	
evening set	-8438 Aug 23 j 14:39	14°♋54'32	
	-8438 Sep 11 j 22:51	0°♌	
desc. node	-8438 Oct 12 j 12:26	24°♌00'33	
	-8438 Oct 20 j 03:40	0°♍	
conjunction	-8438 Oct 25 j 11:53	4°♍11'03	-0°09'52
minimum elong	-8438 Oct 25 j 10:58	4°♍09'15	0°09'33
behind sun begin	-8438 Oct 24 j 12:14	3°♍24'48	
behind sun end	-8438 Oct 26 j 09:42	4°♍53'42	
	-8438 Nov 27 j 18:40	0°♎	
max. Earth dist.	-8438 Nov 30 j 11:29	2°♎04'08	2.39282 AU
morning rise	-8438 Dec 30 j 07:16	24°♎33'55	
	-8437 Jan 06 j 15:36	0°♏	
	-8437 Feb 17 j 10:55	0°♐	
	-8437 Apr 02 j 17:27	0°♑	
	-8437 May 20 j 03:58	0°♒	
	-8437 Jul 12 j 04:36	0°♓	
asc. node	-8437 Sep 23 j 00:44	25°♓21'02	
retrograde	-8437 Sep 29 j 00:29	25°♓34'18	
opposition	-8437 Nov 06 j 21:23	16°♓27'48	1°44'11
greatest brilliancy	-8437 Nov 07 j 01:12	16°♓24'02	-1.4m
min. Earth dist.	-8437 Nov 10 j 03:48	15°♓10'27	0.64923 AU
direct	-8437 Dec 17 j 22:30	6°♓27'44	
	-8436 Feb 29 j 10:23	0°♈	
	-8436 Apr 20 j 07:42	0°♉	
	-8436 Jun 03 j 07:39	0°♊	
	-8436 Jul 13 j 23:41	0°♋	
	-8436 Aug 21 j 21:51	0°♌	
desc. node	-8436 Aug 29 j 10:29	5°♌52'36	
	-8436 Sep 29 j 06:37	0°♍	
evening set	-8436 Oct 28 j 05:03	22°♍26'26	
	-8436 Nov 07 j 01:54	0°♎	
	-8436 Dec 17 j 03:26	0°♏	
conjunction	-8436 Dec 28 j 10:30	8°♏13'38	-1°07'49
minimum elong	-8436 Dec 28 j 08:48	8°♏10'33	1°08'06
	-8435 Jan 28 j 01:25	0°♐	
max. Earth dist.	-8435 Feb 05 j 17:52	6°♐02'08	2.51518 AU
morning rise	-8435 Feb 24 j 04:49	18°♐39'43	
	-8435 Mar 13 j 02:26	0°♑	
	-8435 Apr 28 j 07:30	0°♒	
	-8435 Jun 15 j 19:53	0°♓	
	-8435 Aug 07 j 03:29	0°♈	
asc. node	-8435 Aug 09 j 23:39	1°♈31'04	
	-8435 Oct 17 j 00:05	0°♉	
retrograde	-8435 Nov 08 j 05:18	2°♉46'23	
	-8435 Nov 29 j 01:23	30°℞♈	
opposition	-8435 Dec 14 j 21:28	24°♈45'20	4°40'25
greatest brilliancy	-8435 Dec 15 j 21:42	24°♈22'40	-1.7m
min. Earth dist.	-8435 Dec 21 j 16:54	22°♈12'38	0.57225 AU
direct	-8434 Jan 24 j 02:29	15°♈10'34	
	-8434 Mar 18 j 11:35	0°♉	
	-8434 May 09 j 04:35	0°♊	
	-8434 Jun 21 j 04:18	0°♋	
desc. node	-8434 Jul 17 j 11:34	19°♋33'59	
	-8434 Jul 31 j 05:29	0°♌	
	-8434 Sep 08 j 08:49	0°♍	
	-8434 Oct 17 j 20:08	0°♎	
	-8434 Nov 27 j 12:21	0°♏	
evening set	-8434 Dec 25 j 19:33	20°♏09'39	
	-8433 Jan 08 j 22:36	0°♐	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

conjunction	-8433 Feb 17 j 14:46	26°♐54'25	-1°02'42
minimum elong	-8433 Feb 17 j 16:19	26°♐57'00	1°03'14
	-8433 Feb 22 j 06:27	0°♑	
max. Earth dist.	-8433 Mar 10 j 04:32	10°♑29'31	2.61419 AU
morning rise	-8433 Apr 09 j 06:21	29°♑59'50	
	-8433 Apr 09 j 06:27	0°♒	
	-8433 May 26 j 11:41	0°♓	
asc. node	-8433 Jun 27 j 18:25	20°♓10'12	
	-8433 Jul 13 j 16:04	0°♈	
	-8433 Sep 01 j 10:24	0°♉	
	-8433 Oct 26 j 09:08	0°♊	
retrograde	-8432 Jan 02 j 14:46	20°♊30'36	
opposition	-8432 Feb 04 j 14:11	14°♊16'15	6°09'53
greatest brilliancy	-8432 Feb 06 j 08:30	13°♊42'07	-2.4m
min. Earth dist.	-8432 Feb 12 j 14:23	11°♊42'27	0.45107 AU
direct	-8432 Mar 11 j 15:02	6°♊43'55	
	-8432 May 17 j 10:39	0°♋	
desc. node	-8432 Jun 03 j 14:54	10°♋26'06	
	-8432 Jul 02 j 22:54	0°♌	
	-8432 Aug 14 j 02:32	0°♍	
	-8432 Sep 24 j 14:04	0°♎	
	-8432 Nov 05 j 18:43	0°♏	
	-8432 Dec 19 j 08:40	0°♐	
	-8431 Feb 02 j 11:25	0°♑	
evening set	-8431 Feb 09 j 07:17	4°♑27'41	
	-8431 Mar 20 j 19:32	0°♒	
conjunction	-8431 Mar 30 j 13:52	6°♒15'36	-0°25'16
minimum elong	-8431 Mar 30 j 14:50	6°♒17'10	0°25'44
max. Earth dist.	-8431 Apr 03 j 13:30	8°♒48'39	2.66282 AU
	-8431 May 06 j 17:25	0°♓	
asc. node	-8431 May 14 j 11:40	4°♓57'27	
morning rise	-8431 May 16 j 14:57	6°♓19'26	
	-8431 Jun 22 j 13:12	0°♈	
	-8431 Aug 07 j 22:14	0°♉	
	-8431 Sep 22 j 23:26	0°♊	
	-8431 Nov 08 j 10:20	0°♋	
	-8431 Dec 27 j 10:42	0°♌	
	-8430 Mar 12 j 13:14	0°♍	
retrograde	-8430 Mar 19 j 09:15	0°♍18'14	
	-8430 Mar 26 j 06:25	30°℞♌	
min. Earth dist.	-8430 Apr 17 j 22:31	25°♌26'19	0.38062 AU
opposition	-8430 Apr 19 j 12:06	25°♌00'58	0°11'07
greatest brilliancy	-8430 Apr 19 j 12:10	25°♌00'55	-3.0m
desc. node	-8430 Apr 21 j 19:42	24°♌23'41	
direct	-8430 May 19 j 15:59	19°♌57'11	
	-8430 Jun 30 j 22:33	0°♍	
	-8430 Aug 25 j 20:02	0°♎	
	-8430 Oct 12 j 12:09	0°♏	
	-8430 Nov 28 j 01:57	0°♐	
	-8429 Jan 13 j 22:53	0°♑	
	-8429 Mar 02 j 05:40	0°♒	
evening set	-8429 Mar 21 j 14:08	12°♒16'19	
asc. node	-8429 Apr 01 j 05:21	19°♒01'47	
	-8429 Apr 18 j 10:08	0°♓	
max. Earth dist.	-8429 Apr 27 j 21:20	6°♓03'57	2.65765 AU
conjunction	-8429 May 08 j 03:16	12°♓39'39	0°21'00
minimum elong	-8429 May 08 j 02:30	12°♓38'24	0°20'45
	-8429 Jun 03 j 19:47	0°♈	
morning rise	-8429 Jun 23 j 08:36	12°♈52'21	
	-8429 Jul 18 j 22:35	0°♉	
	-8429 Aug 31 j 14:57	0°♊	
	-8429 Oct 13 j 01:37	0°♋	
	-8429 Nov 23 j 16:59	0°♌	
	-8428 Jan 04 j 08:36	0°♍	
	-8428 Feb 16 j 19:01	0°♎	
desc. node	-8428 Mar 08 j 21:45	13°♎21'52	
	-8428 Apr 08 j 18:57	0°♏	
retrograde	-8428 May 22 j 01:39	11°♏14'05	
min. Earth dist.	-8428 Jun 19 j 13:44	5°♏46'28	0.46985 AU
greatest brilliancy	-8428 Jun 26 j 02:38	3°♏29'50	-2.3m
opposition	-8428 Jun 27 j 17:06	2°♏56'09	-5°41'12
	-8428 Jul 06 j 15:27	30°℞♎	
direct	-8428 Jul 30 j 15:50	26°♎11'02	
	-8428 Aug 25 j 05:24	0°♏	
	-8428 Oct 31 j 03:03	0°♐	
	-8428 Dec 22 j 05:22	0°♑	
	-8427 Feb 09 j 18:23	0°♒	
asc. node	-8427 Feb 16 j 03:35	3°♒55'48	
	-8427 Mar 29 j 21:40	0°♓	
evening set	-8427 Apr 28 j 17:22	19°♓05'01	
	-8427 May 15 j 10:54	0°♈	
max. Earth dist.	-8427 May 22 j 21:43	4°♈54'51	2.59975 AU
conjunction	-8427 Jun 15 j 22:14	21°♈00'16	1°00'02
minimum elong	-8427 Jun 15 j 20:45	20°♈57'44	1°00'10
	-8427 Jun 29 j 02:35	0°♉	
morning rise	-8427 Aug 03 j 11:26	24°♉45'39	
	-8427 Aug 10 j 19:08	0°♊	
	-8427 Sep 20 j 19:15	0°♋	
	-8427 Oct 30 j 15:10	0°♌	
	-8427 Dec 08 j 23:55	0°♍	
	-8426 Jan 17 j 19:44	0°♎	
desc. node	-8426 Jan 24 j 19:09	5°♎09'20	
	-8426 Feb 28 j 10:38	0°♏	
	-8426 Apr 15 j 14:10	0°♐	
	-8426 Jun 27 j 22:51	0°♑	
retrograde	-8426 Jul 06 j 00:50	0°♑26'23	
	-8426 Jul 13 j 22:39	30°℞♐	
min. Earth dist.	-8426 Aug 08 j 19:48	22°♐51'43	0.58712 AU
opposition	-8426 Aug 14 j 11:01	20°♐38'52	-4°52'29
greatest brilliancy	-8426 Aug 13 j 13:51	20°♐59'42	-1.7m
direct	-8426 Sep 20 j 06:34	12°♐10'44	
	-8426 Nov 22 j 08:56	0°♑	
asc. node	-8425 Jan 04 j 06:00	21°♑55'31	
	-8425 Jan 18 j 16:21	0°♒	
	-8425 Mar 10 j 07:25	0°♓	
	-8425 Apr 26 j 17:08	0°♈	
evening set	-8425 Jun 10 j 05:54	29°♈52'08	
	-8425 Jun 10 j 10:28	0°♉	
max. Earth dist.	-8425 Jun 25 j 22:42	10°♉48'56	2.49616 AU
	-8425 Jul 22 j 17:48	0°♊	
conjunction	-8425 Aug 01 j 06:29	6°♊58'10	1°10'46
minimum elong	-8425 Aug 01 j 07:20	6°♊59'44	1°11'14
	-8425 Sep 01 j 02:18	0°♋	
morning rise	-8425 Sep 26 j 06:19	19°♋15'14	
	-8425 Oct 10 j 03:41	0°♌	
	-8425 Nov 17 j 16:59	0°♍	
desc. node	-8425 Dec 12 j 15:25	19°♍17'47	
	-8425 Dec 26 j 15:05	0°♎	
	-8424 Feb 04 j 20:09	0°♏	
	-8424 Mar 18 j 10:35	0°♐	
	-8424 May 04 j 07:03	0°♑	
	-8424 Jul 02 j 14:39	0°♒	
retrograde	-8424 Aug 10 j 19:38	8°♒18'01	
	-8424 Sep 15 j 21:20	30°℞♑	
min. Earth dist.	-8424 Sep 17 j 22:10	29°♑11'06	0.65540 AU
opposition	-8424 Sep 19 j 19:59	28°♑25'00	-2°21'18
greatest brilliancy	-8424 Sep 19 j 16:50	28°♑28'09	-1.4m
direct	-8424 Oct 29 j 06:09	18°♑57'42	
asc. node	-8424 Nov 21 j 10:33	21°♑57'47	
	-8424 Dec 16 j 03:00	0°♒	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8423 Feb 14 j 18:09	0°♓	
	-8423 Apr 05 j 16:34	0°♈	
	-8423 May 21 j 04:17	0°♉	
	-8423 Jul 02 j 13:32	0°♊	
evening set	-8423 Jul 30 j 18:59	20°♊57'29	
	-8423 Aug 11 j 16:52	0°♋	
max. Earth dist.	-8423 Sep 11 j 00:42	23°♋25'36	2.38474 AU
	-8423 Sep 19 j 10:36	0°♌	
conjunction	-8423 Sep 28 j 17:40	7°♌16'59	0°22'55
minimum elong	-8423 Sep 28 j 19:39	7°♌20'52	0°23'22
	-8423 Oct 27 j 16:24	0°♍	
desc. node	-8423 Oct 29 j 09:27	1°♍20'23	
morning rise	-8423 Dec 03 j 11:14	28°♍34'38	
	-8423 Dec 05 j 07:44	0°♎	
	-8422 Jan 14 j 04:34	0°♏	
	-8422 Feb 25 j 00:55	0°♐	
	-8422 Apr 10 j 14:08	0°♑	
	-8422 May 29 j 02:07	0°♒	
	-8422 Jul 26 j 06:17	0°♓	
retrograde	-8422 Sep 14 j 20:29	12°♓25'55	
asc. node	-8422 Oct 09 j 14:36	8°♓25'50	
opposition	-8422 Oct 24 j 06:02	3°♓01'38	0°34'00
greatest brilliancy	-8422 Oct 24 j 06:38	3°♓01'02	-1.4m
min. Earth dist.	-8422 Oct 26 j 01:41	2°♓18'08	0.66302 AU
	-8422 Oct 31 j 22:47	30°℞♒	
direct	-8422 Dec 04 j 02:27	23°♒04'52	
	-8421 Jan 09 j 11:01	0°♓	
	-8421 Mar 13 j 01:17	0°♈	
	-8421 Apr 30 j 05:37	0°♉	
	-8421 Jun 12 j 11:11	0°♊	
	-8421 Jul 22 j 20:21	0°♋	
	-8421 Aug 30 j 15:10	0°♌	
desc. node	-8421 Sep 16 j 04:22	12°♌58'24	
evening set	-8421 Oct 03 j 02:31	26°♌15'12	
	-8421 Oct 07 j 21:18	0°♍	
	-8421 Nov 15 j 13:53	0°♎	
conjunction	-8421 Dec 05 j 12:52	15°♎08'32	-0°53'14
minimum elong	-8421 Dec 05 j 09:46	15°♎02'42	0°53'16
	-8421 Dec 25 j 12:27	0°♏	
max. Earth dist.	-8420 Jan 19 j 22:56	18°♏25'52	2.46603 AU
morning rise	-8420 Feb 04 j 22:42	29°♏44'01	
	-8420 Feb 05 j 07:50	0°♐	
	-8420 Mar 20 j 08:46	0°♑	
	-8420 May 05 j 20:26	0°♒	
	-8420 Jun 24 j 10:07	0°♓	
	-8420 Aug 19 j 22:27	0°♈	
asc. node	-8420 Aug 26 j 16:00	3°♈01'38	
retrograde	-8420 Oct 22 j 02:39	17°♈44'04	
opposition	-8420 Nov 28 j 19:17	9°♈13'17	3°34'24
greatest brilliancy	-8420 Nov 29 j 09:45	8°♈59'23	-1.6m
min. Earth dist.	-8420 Dec 04 j 07:08	7°♈06'36	0.60925 AU
	-8420 Dec 29 j 16:47	30°℞♓	
direct	-8419 Jan 08 j 14:45	29°♓20'53	
	-8419 Jan 18 j 18:32	0°♈	
	-8419 Apr 02 j 21:22	0°♉	
	-8419 May 19 j 16:48	0°♊	
	-8419 Jun 30 j 08:58	0°♋	
desc. node	-8419 Aug 03 j 03:59	25°♋39'04	
	-8419 Aug 08 j 19:23	0°♌	
	-8419 Sep 16 j 12:40	0°♍	
	-8419 Oct 25 j 15:34	0°♎	
evening set	-8419 Dec 04 j 16:50	29°♎46'33	
	-8419 Dec 05 j 00:14	0°♏	
	-8418 Jan 16 j 04:03	0°♐	

conjunction	-8418 Jan 30 j 04:18	9°♐40'00	-1°10'22
minimum elong	-8418 Jan 30 j 05:08	9°♐41'27	1°10'51
max. Earth dist.	-8418 Feb 26 j 20:14	28°♐21'02	2.58105 AU
	-8418 Mar 01 j 07:41	0°♑	
morning rise	-8418 Mar 24 j 03:09	15°♑00'59	
	-8418 Apr 16 j 07:30	0°♒	
	-8418 Jun 02 j 20:32	0°♓	
asc. node	-8418 Jul 14 j 12:47	25°♓29'23	
	-8418 Jul 22 j 01:49	0°♈	
	-8418 Sep 12 j 21:40	0°♉	
	-8418 Dec 05 j 17:29	0°♊	
retrograde	-8418 Dec 09 j 13:42	0°♊05'24	
	-8418 Dec 13 j 08:38	30°℞♉	
opposition	-8417 Jan 13 j 03:03	23°♉03'57	5°59'46
greatest brilliancy	-8417 Jan 14 j 18:47	22°♉29'19	-2.1m
min. Earth dist.	-8417 Jan 21 j 07:34	20°♉13'19	0.50095 AU
direct	-8417 Feb 20 j 08:32	14°♉27'09	
	-8417 Apr 14 j 16:03	0°♊	
	-8417 Jun 03 j 09:19	0°♋	
desc. node	-8417 Jun 21 j 07:29	12°♋24'39	
	-8417 Jul 15 j 16:32	0°♌	
	-8417 Aug 25 j 01:57	0°♍	
	-8417 Oct 04 j 11:08	0°♎	
	-8417 Nov 14 j 20:46	0°♏	
	-8417 Dec 27 j 20:40	0°♐	
evening set	-8416 Jan 24 j 06:58	18°♐31'49	
	-8416 Feb 10 j 13:56	0°♑	
conjunction	-8416 Mar 14 j 22:34	21°♑45'49	-0°41'48
minimum elong	-8416 Mar 15 j 00:03	21°♑48'12	0°42'19
max. Earth dist.	-8416 Mar 25 j 03:35	28°♑20'51	2.65024 AU
	-8416 Mar 27 j 17:15	0°♒	
morning rise	-8416 May 02 j 00:47	22°♒35'18	
	-8416 May 13 j 16:08	0°♓	
asc. node	-8416 May 31 j 06:02	11°♓10'35	
	-8416 Jun 29 j 21:01	0°♈	
	-8416 Aug 16 j 03:49	0°♉	
	-8416 Oct 03 j 02:26	0°♊	
	-8416 Nov 22 j 22:20	0°♋	
	-8415 Feb 07 j 05:07	0°♌	
retrograde	-8415 Feb 16 j 04:58	0°♌29'52	
	-8415 Feb 25 j 01:35	30°℞♋	
opposition	-8415 Mar 18 j 22:38	25°♋19'28	3°45'12
greatest brilliancy	-8415 Mar 19 j 15:24	25°♋07'58	-2.8m
min. Earth dist.	-8415 Mar 22 j 18:02	24°♋16'48	0.39016 AU
direct	-8415 Apr 19 j 18:32	19°♋43'57	
desc. node	-8415 May 08 j 11:00	22°♋00'10	
	-8415 May 31 j 16:10	0°♌	
	-8415 Jul 24 j 11:20	0°♍	
	-8415 Sep 08 j 00:39	0°♎	
	-8415 Oct 22 j 11:29	0°♏	
	-8415 Dec 06 j 11:01	0°♐	
	-8414 Jan 21 j 10:45	0°♑	
evening set	-8414 Mar 06 j 07:39	28°♑07'29	
	-8414 Mar 09 j 06:13	0°♒	
asc. node	-8414 Apr 17 j 23:06	25°♒19'24	
max. Earth dist.	-8414 Apr 18 j 09:27	25°♒35'56	2.66626 AU
conjunction	-8414 Apr 23 j 05:47	28°♒41'55	0°03'05
minimum elong	-8414 Apr 23 j 05:39	28°♒41'41	0°02'44
behind sun begin	-8414 Apr 22 j 10:22	28°♒10'52	
behind sun end	-8414 Apr 24 j 00:55	29°♒12'30	
	-8414 Apr 25 j 06:36	0°♓	
morning rise	-8414 Jun 08 j 10:47	28°♓28'48	
	-8414 Jun 10 j 18:48	0°♈	
	-8414 Jul 26 j 06:47	0°♉	
	-8414 Sep 08 j 15:45	0°♊	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

	-8414 Oct 22 j 03:18	0°♋	
	-8414 Dec 04 j 06:23	0°♌	
	-8413 Jan 17 j 07:49	0°♍	
	-8413 Mar 07 j 23:24	0°♎	
desc. node	-8413 Mar 26 j 15:03	8°♎39'32	
retrograde	-8413 May 01 j 02:46	16°♎30'22	
min. Earth dist.	-8413 May 28 j 05:01	11°♎45'12	0.42243 AU
greatest brilliancy	-8413 Jun 03 j 07:17	9°♎50'00	-2.6m
opposition	-8413 Jun 04 j 13:44	9°♎25'48	-4°34'09
direct	-8413 Jul 05 j 22:25	3°♎32'11	
	-8413 Sep 21 j 08:50	0°♏	
	-8413 Nov 12 j 14:47	0°♐	
	-8413 Dec 31 j 20:02	0°♑	
	-8412 Feb 18 j 05:49	0°♒	
asc. node	-8412 Mar 04 j 18:46	9°♒43'07	
	-8412 Apr 05 j 21:45	0°♓	
evening set	-8412 Apr 13 j 09:41	4°♓46'47	
max. Earth dist.	-8412 May 12 j 11:06	23°♓31'43	2.62857 AU
	-8412 May 22 j 08:25	0°♈	
conjunction	-8412 May 31 j 00:45	5°♈43'26	0°46'50
minimum elong	-8412 May 30 j 23:17	5°♈41'00	0°46'49
	-8412 Jul 06 j 03:18	0°♉	
morning rise	-8412 Jul 17 j 04:14	7°♉35'05	
	-8412 Aug 18 j 03:35	0°♊	
	-8412 Sep 28 j 14:31	0°♋	
	-8412 Nov 07 j 23:15	0°♌	
	-8412 Dec 17 j 22:11	0°♍	
	-8411 Jan 27 j 12:21	0°♎	
desc. node	-8411 Feb 10 j 15:38	10°♎08'17	
	-8411 Mar 11 j 14:22	0°♏	
	-8411 May 02 j 03:51	0°♐	
retrograde	-8411 Jun 20 j 00:31	13°♐24'29	
min. Earth dist.	-8411 Jul 21 j 17:44	6°♐37'04	0.54508 AU
greatest brilliancy	-8411 Jul 27 j 10:42	4°♐26'30	-1.9m
opposition	-8411 Jul 28 j 16:58	3°♐57'33	-5°33'17
	-8411 Aug 08 j 20:15	30°℞♏	
direct	-8411 Sep 02 j 04:04	26°♏03'39	
	-8411 Sep 28 j 10:55	0°♐	
	-8411 Dec 05 j 15:37	0°♑	
asc. node	-8410 Jan 20 j 19:17	26°♑03'57	
	-8410 Jan 27 j 11:36	0°♒	
	-8410 Mar 17 j 20:19	0°♓	
	-8410 May 03 j 19:51	0°♈	
evening set	-8410 May 24 j 00:36	13°♈22'39	
max. Earth dist.	-8410 Jun 11 j 01:46	25°♈36'04	2.54116 AU
	-8410 Jun 17 j 11:27	0°♉	
conjunction	-8410 Jul 13 j 01:43	17°♉55'25	1°11'52
minimum elong	-8410 Jul 13 j 01:14	17°♉54'32	1°12'14
	-8410 Jul 29 j 21:33	0°♊	
morning rise	-8410 Sep 03 j 08:55	26°♊10'24	
	-8410 Sep 08 j 11:06	0°♋	
	-8410 Oct 17 j 18:30	0°♌	
	-8410 Nov 25 j 13:43	0°♍	
desc. node	-8410 Dec 29 j 10:56	25°♍59'52	
	-8409 Jan 03 j 17:42	0°♎	
	-8409 Feb 13 j 06:45	0°♏	
	-8409 Mar 28 j 14:34	0°♐	
	-8409 May 16 j 22:45	0°♑	
retrograde	-8409 Jul 29 j 00:56	24°♑30'11	
min. Earth dist.	-8409 Sep 03 j 14:20	15°♑55'05	0.63548 AU
opposition	-8409 Sep 06 j 23:20	14°♑33'47	-3°24'39
greatest brilliancy	-8409 Sep 06 j 14:41	14°♑42'29	-1.5m
direct	-8409 Oct 15 j 12:00	5°♑25'46	
asc. node	-8409 Dec 08 j 23:38	19°♑13'05	
	-8408 Jan 01 j 05:13	0°♒	
	-8408 Feb 24 j 19:40	0°♓	
	-8408 Apr 13 j 10:52	0°♈	
	-8408 May 28 j 13:12	0°♉	
evening set	-8408 Jul 09 j 06:17	29°♉33'40	
	-8408 Jul 09 j 20:43	0°♊	
max. Earth dist.	-8408 Jul 29 j 09:06	14°♊24'11	2.42173 AU
	-8408 Aug 19 j 01:13	0°♋	
conjunction	-8408 Sep 03 j 18:21	12°♋03'05	0°49'36
minimum elong	-8408 Sep 03 j 21:09	12°♋08'29	0°50'07
	-8408 Sep 26 j 21:05	0°♌	
	-8408 Nov 04 j 04:47	0°♍	
morning rise	-8408 Nov 05 j 12:58	1°♍02'55	
desc. node	-8408 Nov 15 j 04:39	8°♍34'58	
	-8408 Dec 12 j 21:31	0°♎	
	-8407 Jan 21 j 19:53	0°♏	
	-8407 Mar 04 j 19:54	0°♐	
	-8407 Apr 18 j 21:32	0°♑	
	-8407 Jun 08 j 06:55	0°♒	
retrograde	-8407 Sep 01 j 03:49	29°♒27'23	
opposition	-8407 Oct 10 j 21:59	19°♒49'07	-0°35'18
greatest brilliancy	-8407 Oct 10 j 22:24	19°♒48'41	-1.4m
min. Earth dist.	-8407 Oct 11 j 06:47	19°♒40'17	0.66731 AU
asc. node	-8407 Oct 26 j 04:32	14°♒06'51	
direct	-8407 Nov 20 j 08:19	10°♒00'41	
	-8406 Jan 27 j 05:57	0°♓	
	-8406 Mar 22 j 17:07	0°♈	
	-8406 May 08 j 11:02	0°♉	
	-8406 Jun 20 j 06:06	0°♊	
	-8406 Jul 30 j 11:48	0°♋	
evening set	-8406 Sep 06 j 21:22	29°♋44'26	
	-8406 Sep 07 j 05:19	0°♌	
desc. node	-8406 Oct 02 j 23:29	20°♌13'30	
	-8406 Oct 15 j 10:16	0°♍	
conjunction	-8406 Nov 09 j 14:35	19°♍38'20	-0°27'44
minimum elong	-8406 Nov 09 j 12:10	19°♍33'39	0°27'32
	-8406 Nov 23 j 01:06	0°♎	
max. Earth dist.	-8406 Dec 24 j 16:42	23°♎55'31	2.41604 AU
	-8405 Jan 01 j 21:37	0°♏	
morning rise	-8405 Jan 13 j 06:41	8°♏19'50	
	-8405 Feb 12 j 15:31	0°♐	
	-8405 Mar 28 j 18:19	0°♑	
	-8405 May 14 j 17:22	0°♒	
	-8405 Jul 05 j 01:00	0°♓	
	-8405 Sep 11 j 12:27	0°♈	
asc. node	-8405 Sep 13 j 07:24	0°♈27'46	
retrograde	-8405 Oct 07 j 12:25	3°♈44'09	
	-8405 Oct 31 j 14:03	30°℞♓	
opposition	-8405 Nov 15 j 00:21	24°♓49'13	2°24'56
greatest brilliancy	-8405 Nov 15 j 07:17	24°♓42'26	-1.5m
min. Earth dist.	-8405 Nov 19 j 02:23	23°♓13'14	0.63739 AU
direct	-8405 Dec 26 j 01:09	14°♓49'40	
	-8404 Feb 20 j 01:25	0°♈	
	-8404 Apr 14 j 02:28	0°♉	
	-8404 May 28 j 20:56	0°♊	
	-8404 Jul 08 j 20:17	0°♋	
	-8404 Aug 16 j 22:21	0°♌	
desc. node	-8404 Aug 19 j 20:45	2°♌16'54	
	-8404 Sep 24 j 09:36	0°♍	
	-8404 Nov 02 j 06:53	0°♎	
evening set	-8404 Nov 11 j 08:45	6°♎53'08	
	-8404 Dec 12 j 10:09	0°♏	
conjunction	-8403 Jan 09 j 21:45	20°♏31'24	-1°11'15
minimum elong	-8403 Jan 09 j 21:06	20°♏30'16	1°11'39
	-8403 Jan 23 j 09:02	0°♐	

Attention, astronomical year style is used: The year -8899 in astronomical counting style is the year 8900 BCE in historical counting style.

max. Earth dist.	-8403 Feb 14 j 00:05	14°♐54'49	2.54041 AU
morning rise	-8403 Mar 06 j 18:50	28°♐55'05	
	-8403 Mar 08 j 09:49	0°♑	
	-8403 Apr 23 j 11:25	0°♒	
	-8403 Jun 10 j 12:51	0°♓	
asc. node	-8403 Jul 31 j 05:49	29°♓54'56	
	-8403 Jul 31 j 09:24	0°♈	
	-8403 Sep 28 j 20:42	0°♉	
retrograde	-8403 Nov 18 j 20:07	12°♉22'29	
opposition	-8403 Dec 24 j 19:46	4°♉40'35	5°14'05
greatest brilliancy	-8403 Dec 26 j 02:04	4°♉12'48	-1.9m
min. Earth dist.	-8402 Jan 01 j 06:14	1°♉57'07	0.54850 AU
	-8402 Jan 06 j 21:59	30°♑℞♈	
direct	-8402 Feb 02 j 11:44	25°♈21'03	
	-8402 Mar 02 j 05:13	0°♉	
	-8402 May 01 j 14:15	0°♊	
	-8402 Jun 14 j 23:03	0°♋	
desc. node	-8402 Jul 07 j 22:48	16°♋47'50	
	-8402 Jul 25 j 13:50	0°♌	
	-8402 Sep 03 j 01:01	0°♍	
	-8402 Oct 12 j 18:05	0°♎	
	-8402 Nov 22 j 14:59	0°♏	
	-8401 Jan 04 j 04:45	0°♐	
evening set	-8401 Jan 06 j 00:26	1°♐15'13	
	-8401 Feb 17 j 14:59	0°♑	
conjunction	-8401 Feb 27 j 12:43	6°♑32'17	-0°56'02
minimum elong	-8401 Feb 27 j 14:24	6°♑35'02	0°56'34
max. Earth dist.	-8401 Mar 16 j 06:44	17°♑29'11	2.62945 AU
	-8401 Apr 04 j 15:11	0°♒	
morning rise	-8401 Apr 18 j 02:44	8°♒38'40	
	-8401 May 21 j 17:09	0°♓	
asc. node	-8401 Jun 17 j 23:58	17°♓11'15	
	-8401 Jul 08 j 11:17	0°♈	
	-8401 Aug 26 j 02:47	0°♉	
	-8401 Oct 16 j 11:13	0°♊	
	-8401 Dec 22 j 06:37	0°♋	
retrograde	-8400 Jan 17 j 20:35	3°♋58'30	
	-8400 Feb 12 j 19:02	30°♑℞♊	
opposition	-8400 Feb 18 j 23:22	28°♊10'50	5°46'00
greatest brilliancy	-8400 Feb 20 j 13:06	27°♊42'09	-2.6m
min. Earth dist.	-8400 Feb 26 j 05:18	25°♊59'43	0.42557 AU
direct	-8400 Mar 24 j 12:04	21°♊21'25	
	-8400 May 01 j 07:23	0°♋	
desc. node	-8400 May 25 j 04:03	11°♋44'03	
	-8400 Jun 24 j 05:20	0°♌	
	-8400 Aug 07 j 05:53	0°♍	
	-8400 Sep 18 j 15:32	0°♎	
	-8400 Oct 31 j 10:03	0°♏	
	-8400 Dec 14 j 08:55	0°♐	
	-8399 Jan 28 j 17:32	0°♑	
evening set	-8399 Feb 18 j 15:38	13°♑34'28	
	-8399 Mar 16 j 04:43	0°♒	
conjunction	-8399 Apr 08 j 07:53	14°♒47'41	-0°15'01
minimum elong	-8399 Apr 08 j 08:28	14°♒48'37	0°15'27
behind sun begin	-8399 Apr 08 j 04:36	14°♒42'27	
behind sun end	-8399 Apr 08 j 12:20	14°♒54'47	
max. Earth dist.	-8399 Apr 09 j 01:47	15°♒16'15	2.66642 AU
	-8399 May 02 j 03:01	0°♓	
asc. node	-8399 May 04 j 16:03	1°♓37'35	
morning rise	-8399 May 24 j 22:43	14°♓37'12	
	-8399 Jun 17 j 19:37	0°♈	
	-8399 Aug 02 j 19:55	0°♉	
	-8399 Sep 17 j 04:01	0°♊	
	-8399 Nov 01 j 06:09	0°♋	
	-8399 Dec 17 j 04:40	0°♌	