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

evening set	-9900 Feb 12 j 02:06	26°♐07'56	
conjunction	-9900 Mar 01 j 04:51	28°♐29'35	-2°23'37
minimum elong	-9900 Mar 01 j 04:49	28°♐29'35	2°24'11
max. Earth dist.	-9900 Mar 02 j 12:01	28°♐39'49	9.96315 AU
	-9900 Mar 12 j 17:13	0°♑	
morning rise	-9900 Mar 19 j 06:52	0°♑50'55	
retrograde	-9900 Jul 01 j 23:27	9°♑08'12	
min. Earth dist.	-9900 Sep 05 j 11:17	5°♑43'44	8.03094 AU
opposition	-9900 Sep 06 j 10:36	5°♑38'53	-3°02'15
direct	-9900 Nov 12 j 09:48	2°♑09'00	
evening set	-9899 Feb 26 j 09:50	10°♑25'39	
conjunction	-9899 Mar 16 j 10:58	12°♑44'24	-2°25'47
minimum elong	-9899 Mar 16 j 10:58	12°♑44'24	2°26'21
max. Earth dist.	-9899 Mar 17 j 17:24	12°♑54'13	10.10221 AU
morning rise	-9899 Apr 03 j 09:59	15°♑02'23	
retrograde	-9899 Jul 15 j 18:58	23°♑04'35	
min. Earth dist.	-9899 Sep 19 j 10:31	19°♑41'49	8.18164 AU
opposition	-9899 Sep 20 j 08:16	19°♑37'21	-2°58'52
direct	-9899 Nov 27 j 00:10	16°♑08'01	
evening set	-9898 Mar 13 j 05:07	24°♑14'51	
conjunction	-9898 Mar 31 j 03:59	26°♑30'19	-2°19'25
minimum elong	-9898 Mar 31 j 04:01	26°♑30'19	2°19'57
max. Earth dist.	-9898 Apr 01 j 07:29	26°♑39'01	10.26301 AU
morning rise	-9898 Apr 17 j 23:39	28°♑44'40	
	-9898 Apr 28 j 07:00	0°♒	
retrograde	-9898 Jul 29 j 01:44	6°♒31'07	
opposition	-9898 Oct 03 j 19:32	3°♒06'06	-2°45'35
min. Earth dist.	-9898 Oct 03 j 00:47	3°♒09'54	8.34910 AU
	-9898 Nov 20 j 15:07	30°℞♑	
direct	-9898 Dec 11 j 05:57	29°♑37'37	
	-9898 Dec 31 j 23:07	0°♒	
evening set	-9897 Mar 27 j 10:10	7°♒33'17	
conjunction	-9897 Apr 14 j 06:19	9°♒45'19	-2°05'43
minimum elong	-9897 Apr 14 j 06:22	9°♒45'20	2°06'11
max. Earth dist.	-9897 Apr 15 j 05:01	9°♒52'22	10.43576 AU
morning rise	-9897 May 01 j 22:30	11°♒56'01	
	-9897 May 28 j 14:18	15°♒	
retrograde	-9897 Aug 10 j 18:57	19°♒27'09	
opposition	-9897 Oct 16 j 20:42	16°♒04'21	-2°24'16
min. Earth dist.	-9897 Oct 16 j 05:16	16°♒07'25	8.52367 AU
	-9897 Oct 30 j 13:45	15°℞♒	
direct	-9897 Dec 25 j 02:15	12°♒36'58	
	-9896 Feb 17 j 16:17	15°♒	
evening set	-9896 Apr 09 j 00:25	20°♒20'56	
conjunction	-9896 Apr 26 j 17:36	22°♒29'34	-1°46'11
minimum elong	-9896 Apr 26 j 17:40	22°♒29'35	1°46'35
max. Earth dist.	-9896 Apr 27 j 10:38	22°♒34'45	10.61083 AU
morning rise	-9896 May 14 j 06:14	24°♒36'44	
	-9896 Jul 05 j 23:50	0°♓	
retrograde	-9896 Aug 22 j 00:34	1°♓53'49	
	-9896 Oct 09 j 08:25	30°℞♒	
opposition	-9896 Oct 28 j 12:04	28°♒33'04	-1°56'53
min. Earth dist.	-9896 Oct 28 j 00:13	28°♒35'23	8.69599 AU
direct	-9895 Jan 06 j 12:16	25°♒06'56	
	-9895 Mar 29 j 07:01	0°♓	
evening set	-9895 Apr 22 j 00:53	2°♓39'30	
conjunction	-9895 May 09 j 14:53	4°♓44'55	-1°22'21
minimum elong	-9895 May 09 j 14:56	4°♓44'56	1°22'39
max. Earth dist.	-9895 May 10 j 02:21	4°♓48'21	10.77911 AU
morning rise	-9895 May 26 j 23:47	6°♓48'47	
retrograde	-9895 Sep 02 j 22:33	13°♓53'37	
opposition	-9895 Nov 09 j 18:43	10°♓34'44	-1°25'22
min. Earth dist.	-9895 Nov 09 j 11:07	10°♓36'12	8.85743 AU
direct	-9894 Jan 19 j 09:55	7°♓09'54	
evening set	-9894 May 04 j 12:47	14°♓32'02	
conjunction	-9894 May 21 j 23:21	16°♓34'31	-0°55'41
minimum elong	-9894 May 21 j 23:23	16°♓34'32	0°55'53
max. Earth dist.	-9894 May 22 j 05:16	16°♓36'16	10.93248 AU
morning rise	-9894 Jun 08 j 04:24	18°♓35'26	
retrograde	-9894 Sep 14 j 11:55	25°♓30'13	
opposition	-9894 Nov 21 j 18:25	22°♓12'57	-0°51'24
min. Earth dist.	-9894 Nov 21 j 16:07	22°♓13'23	9.00089 AU
direct	-9893 Jan 31 j 22:30	18°♓49'26	
evening set	-9893 May 16 j 13:42	26°♓02'28	
conjunction	-9893 Jun 02 j 20:27	28°♓02'20	-0°27'27
minimum elong	-9893 Jun 02 j 20:28	28°♓02'20	0°27'33
max. Earth dist.	-9893 Jun 02 j 20:10	28°♓02'15	11.06493 AU
morning rise	-9893 Jun 19 j 21:47	0°♈00'42	
	-9893 Jun 19 j 19:20	0°♈	
retrograde	-9893 Sep 25 j 19:51	6°♈47'46	
opposition	-9893 Dec 03 j 12:26	3°♈31'49	-0°16'24
min. Earth dist.	-9893 Dec 03 j 15:27	3°♈31'15	9.12152 AU
direct	-9892 Feb 13 j 03:00	0°♈09'31	
evening set	-9892 May 27 j 05:36	7°♈14'59	
asc. node	-9892 May 27 j 23:55	7°♈20'09	
conjunction	-9892 Jun 13 j 08:24	9°♈12'37	0°01'16
minimum elong	-9892 Jun 13 j 08:24	9°♈12'37	0°01'17
behind sun begin	-9892 Jun 13 j 01:21	9°♈10'36	
behind sun end	-9892 Jun 13 j 15:26	9°♈14'37	
max. Earth dist.	-9892 Jun 13 j 01:40	9°♈10'42	11.17258 AU
morning rise	-9892 Jun 30 j 06:14	11°♈08'50	
retrograde	-9892 Oct 05 j 21:48	17°♈50'26	
opposition	-9892 Dec 14 j 02:00	14°♈35'25	0°18'22
min. Earth dist.	-9892 Dec 14 j 09:22	14°♈34'03	9.21591 AU
direct	-9891 Feb 24 j 00:32	11°♈14'12	
evening set	-9891 Jun 07 j 14:08	18°♈13'42	
conjunction	-9891 Jun 24 j 13:07	20°♈09'28	0°29'21
minimum elong	-9891 Jun 24 j 13:05	20°♈09'27	0°29'30
max. Earth dist.	-9891 Jun 24 j 01:31	20°♈06'09	11.25246 AU
morning rise	-9891 Jul 11 j 07:28	22°♈03'58	
retrograde	-9891 Oct 17 j 00:15	28°♈42'23	
opposition	-9891 Dec 25 j 13:01	25°♈27'53	0°51'52
min. Earth dist.	-9891 Dec 25 j 23:52	25°♈25'54	9.28136 AU
direct	-9890 Mar 07 j 17:40	22°♈07'36	
evening set	-9890 Jun 18 j 17:03	29°♈02'43	
	-9890 Jun 27 j 04:19	0°♉	
conjunction	-9890 Jul 05 j 12:20	0°♉57'03	0°56'04
minimum elong	-9890 Jul 05 j 12:17	0°♉57'02	0°56'19
max. Earth dist.	-9890 Jul 04 j 21:09	0°♉52'43	11.30232 AU
morning rise	-9890 Jul 22 j 03:18	2°♉50'16	
retrograde	-9890 Oct 28 j 01:21	9°♉27'39	
opposition	-9889 Jan 05 j 22:58	6°♉13'20	1°23'10
min. Earth dist.	-9889 Jan 06 j 13:52	6°♉10'37	9.31617 AU
direct	-9889 Mar 19 j 03:40	2°♉53'46	
evening set	-9889 Jun 29 j 16:19	9°♉46'10	
conjunction	-9889 Jul 16 j 07:59	11°♉39'29	1°20'37
minimum elong	-9889 Jul 16 j 07:56	11°♉39'28	1°20'58
max. Earth dist.	-9889 Jul 15 j 12:25	11°♉33'54	11.32098 AU

Attention, astronomical year style is used: The year -9889 in astronomical counting style is the year 9890 BCE in historical counting style.

morning rise	-9889 Aug 01 j 20:09	13°♉31'55	
	-9889 Aug 15 j 06:55	15°♉	
retrograde	-9889 Nov 08 j 03:05	20°♉10'24	
opposition	-9888 Jan 17 j 09:06	16°♉55'54	1°51'28
min. Earth dist.	-9888 Jan 18 j 03:54	16°♉52'29	9.31955 AU
	-9888 Feb 14 j 19:09	15°℞♉	
direct	-9888 Mar 29 j 13:11	13°♉36'47	
	-9888 May 11 j 06:15	15°♉	
evening set	-9888 Jul 09 j 13:29	20°♉28'10	
max. Earth dist.	-9888 Jul 25 j 02:37	22°♉14'16	11.30811 AU
conjunction	-9888 Jul 26 j 01:57	22°♉20'58	1°42'20
minimum elong	-9888 Jul 26 j 01:54	22°♉20'57	1°42'45
morning rise	-9888 Aug 11 j 11:55	24°♉13'06	
	-9888 Oct 15 j 14:01	0°♊	
retrograde	-9888 Nov 18 j 07:48	0°♊54'46	
	-9888 Dec 22 j 20:37	30°℞♉	
opposition	-9887 Jan 27 j 20:54	27°♉39'42	2°15'59
min. Earth dist.	-9887 Jan 28 j 18:05	27°♉35'51	9.29136 AU
direct	-9887 Apr 09 j 21:15	24°♉20'53	
	-9887 Jul 09 j 10:41	0°♊	
evening set	-9887 Jul 20 j 10:17	1°♊12'52	
conjunction	-9887 Aug 05 j 20:19	3°♊05'38	2°00'33
minimum elong	-9887 Aug 05 j 20:16	3°♊05'37	2°01'02
max. Earth dist.	-9887 Aug 04 j 19:30	2°♊58'29	11.26400 AU
morning rise	-9887 Aug 22 j 04:30	4°♊58'01	
retrograde	-9887 Nov 29 j 18:28	11°♊44'56	
opposition	-9886 Feb 08 j 11:56	8°♊28'58	2°35'58
min. Earth dist.	-9886 Feb 09 j 10:15	8°♊24'54	9.23237 AU
direct	-9886 Apr 21 j 05:41	5°♊10'15	
evening set	-9886 Jul 31 j 08:40	12°♊04'28	
conjunction	-9886 Aug 16 j 17:00	13°♊57'46	2°14'39
minimum elong	-9886 Aug 16 j 16:58	13°♊57'46	2°15'11
max. Earth dist.	-9886 Aug 15 j 14:56	13°♊50'11	11.19005 AU
morning rise	-9886 Sep 02 j 00:15	15°♊50'56	
retrograde	-9886 Dec 11 j 11:36	22°♊45'01	
opposition	-9885 Feb 20 j 07:43	19°♊27'55	2°50'39
min. Earth dist.	-9885 Feb 21 j 07:06	19°♊23'38	9.14444 AU
direct	-9885 May 02 j 14:51	16°♊09'07	
evening set	-9885 Aug 11 j 10:19	23°♊07'07	
conjunction	-9885 Aug 27 j 17:44	25°♊01'32	2°23'59
minimum elong	-9885 Aug 27 j 17:43	25°♊01'32	2°24'33
max. Earth dist.	-9885 Aug 26 j 14:07	24°♊53'24	11.08858 AU
morning rise	-9885 Sep 13 j 01:19	26°♊56'07	
	-9885 Oct 11 j 07:42	0°♋	
retrograde	-9885 Dec 23 j 10:54	3°♋59'14	
opposition	-9884 Mar 03 j 09:30	0°♋40'43	2°59'16
min. Earth dist.	-9884 Mar 04 j 09:46	0°♋36'15	9.03021 AU
	-9884 Mar 12 j 15:59	30°℞♊	
direct	-9884 May 13 j 03:46	27°♊21'37	
	-9884 Jul 10 j 05:46	0°♋	
evening set	-9884 Aug 21 j 17:06	4°♋25'00	
max. Earth dist.	-9884 Sep 05 j 21:25	6°♋12'57	10.96269 AU
conjunction	-9884 Sep 07 j 00:47	6°♋21'07	2°27'56
minimum elong	-9884 Sep 07 j 00:47	6°♋21'07	2°28'31
morning rise	-9884 Sep 23 j 09:43	8°♋17'43	
retrograde	-9883 Jan 03 j 21:20	15°♋31'36	
opposition	-9883 Mar 15 j 18:23	12°♋11'28	3°01'04
min. Earth dist.	-9883 Mar 16 j 17:48	12°♋07'06	8.89335 AU
direct	-9883 May 24 j 23:40	8°♋51'53	
evening set	-9883 Sep 02 j 06:42	16°♋02'02	
conjunction	-9883 Sep 18 j 16:02	18°♋00'31	2°25'59
minimum elong	-9883 Sep 18 j 16:03	18°♋00'32	2°26'33
max. Earth dist.	-9883 Sep 17 j 14:49	17°♋52'52	10.81661 AU
morning rise	-9883 Oct 05 j 03:25	19°♋59'45	
retrograde	-9882 Jan 16 j 18:29	27°♋25'55	
opposition	-9882 Mar 28 j 11:51	24°♋03'58	2°55'18
min. Earth dist.	-9882 Mar 29 j 08:45	24°♋00'02	8.73874 AU
direct	-9882 Jun 06 j 00:17	20°♋43'48	
evening set	-9882 Sep 14 j 05:07	28°♋01'59	
conjunction	-9882 Sep 30 j 17:19	0°♌03'25	2°17'37
minimum elong	-9882 Sep 30 j 17:21	0°♌03'26	2°18'09
max. Earth dist.	-9882 Sep 29 j 18:52	29°♋56'29	10.65582 AU
	-9882 Sep 30 j 06:15	0°♌	
morning rise	-9882 Oct 17 j 08:28	2°♌05'54	
retrograde	-9881 Jan 30 j 03:28	9°♌45'30	
opposition	-9881 Apr 10 j 14:37	6°♌21'38	2°41'26
min. Earth dist.	-9881 Apr 11 j 08:13	6°♌18'16	8.57250 AU
direct	-9881 Jun 18 j 09:30	3°♌00'41	
evening set	-9881 Sep 26 j 14:23	10°♌28'05	
max. Earth dist.	-9881 Oct 12 j 10:59	12°♌26'50	10.48704 AU
conjunction	-9881 Oct 13 j 06:31	12°♌32'59	2°02'35
minimum elong	-9881 Oct 13 j 06:35	12°♌33'00	2°03'03
morning rise	-9881 Oct 30 j 02:44	14°♌39'15	
	-9881 Nov 01 j 22:24	15°♌	
retrograde	-9880 Feb 13 j 00:51	22°♌32'55	
opposition	-9880 Apr 23 j 03:03	19°♌07'08	2°19'10
min. Earth dist.	-9880 Apr 23 j 17:11	19°♌04'23	8.40207 AU
direct	-9880 Jun 30 j 03:30	15°♌45'15	
evening set	-9880 Oct 08 j 11:56	23°♌22'44	
conjunction	-9880 Oct 25 j 09:06	25°♌31'30	1°40'55
minimum elong	-9880 Oct 25 j 09:10	25°♌31'31	1°41'17
max. Earth dist.	-9880 Oct 24 j 18:04	25°♌26'41	10.31823 AU
morning rise	-9880 Nov 11 j 11:19	27°♌41'55	
	-9880 Nov 30 j 10:53	0°♍	
retrograde	-9879 Feb 26 j 09:50	5°♍49'43	
opposition	-9879 May 07 j 01:32	2°♍22'03	1°48'41
min. Earth dist.	-9879 May 07 j 11:16	2°♍20'08	8.23606 AU
	-9879 Jun 09 j 06:48	30°℞♌	
direct	-9879 Jul 13 j 07:58	28°♌59'08	
	-9879 Aug 15 j 15:52	0°♍	
evening set	-9879 Oct 21 j 22:58	6°♍47'11	
conjunction	-9879 Nov 08 j 02:03	9°♍00'02	1°13'05
minimum elong	-9879 Nov 08 j 02:06	9°♍00'03	1°13'21
max. Earth dist.	-9879 Nov 07 j 17:15	8°♍57'10	10.15823 AU
morning rise	-9879 Nov 25 j 10:44	11°♍14'43	
retrograde	-9878 Mar 13 j 04:33	19°♍35'53	
opposition	-9878 May 21 j 09:17	16°♍06'29	1°10'50
min. Earth dist.	-9878 May 21 j 13:42	16°♍05'35	8.08373 AU
direct	-9878 Jul 27 j 00:47	12°♍42'25	
evening set	-9878 Nov 05 j 00:39	20°♍41'06	
conjunction	-9878 Nov 22 j 10:00	22°♍57'56	0°40'09
minimum elong	-9878 Nov 22 j 10:02	22°♍57'57	0°40'18
max. Earth dist.	-9878 Nov 22 j 08:35	22°♍57'28	10.01630 AU
morning rise	-9878 Dec 10 j 01:05	25°♍16'41	
	-9877 Jan 19 j 00:14	0°♎	
retrograde	-9877 Mar 28 j 08:51	3°♎49'22	
opposition	-9877 Jun 05 j 00:52	0°♎18'29	0°27'20
min. Earth dist.	-9877 Jun 04 j 23:19	0°♎18'48	7.95430 AU
	-9877 Jun 08 j 19:44	30°℞♍	
direct	-9877 Aug 10 j 03:25	26°♍53'15	
	-9877 Oct 07 j 21:18	0°♎	
evening set	-9877 Nov 19 j 16:42	5°♎01'58	

Attention, astronomical year style is used: The year -9877 in astronomical counting style is the year 9878 BCE in historical counting style.

conjunction	-9877 Dec 07 j 08:01	7°♎22'21	0°03'56
minimum elong	-9877 Dec 07 j 08:00	7°♎22'21	0°03'56
behind sun begin	-9877 Dec 07 j 00:49	7°♎19'58	
behind sun end	-9877 Dec 07 j 15:12	7°♎24'43	
max. Earth dist.	-9877 Dec 07 j 14:05	7°♎24'21	9.90126 AU
morning rise	-9877 Dec 25 j 04:50	9°♎44'34	
desc. node	-9876 Jan 16 j 02:39	12°♎29'56	
retrograde	-9876 Apr 11 j 19:55	18°♎26'00	
opposition	-9876 Jun 18 j 22:39	14°♎53'58	-0°19'10
min. Earth dist.	-9876 Jun 18 j 15:05	14°♎55'32	7.85595 AU
direct	-9876 Aug 23 j 15:03	11°♎27'34	
evening set	-9876 Dec 03 j 21:38	19°♎45'01	
conjunction	-9876 Dec 21 j 18:00	22°♎08'08	-0°33'26
minimum elong	-9876 Dec 21 j 17:58	22°♎08'07	0°33'35
max. Earth dist.	-9876 Dec 22 j 07:00	22°♎12'30	9.82037 AU
morning rise	-9875 Jan 08 j 19:24	24°♎32'55	
	-9875 Feb 23 j 23:43	0°♏	
retrograde	-9875 Apr 27 j 10:24	3°♏19'28	
	-9875 Jul 01 j 08:43	30°℞♎	
min. Earth dist.	-9875 Jul 03 j 11:31	29°♎49'24	7.79467 AU
opposition	-9875 Jul 04 j 00:08	29°♎46'46	-1°05'21
direct	-9875 Sep 07 j 10:11	26°♎19'13	
	-9875 Nov 10 j 11:36	0°♏	
evening set	-9875 Dec 19 j 13:15	4°♏43'34	
conjunction	-9874 Jan 06 j 13:27	7°♏08'24	-1°08'59
minimum elong	-9874 Jan 06 j 13:23	7°♏08'22	1°09'16
max. Earth dist.	-9874 Jan 07 j 08:20	7°♏14'46	9.77858 AU
morning rise	-9874 Jan 24 j 17:49	9°♏34'34	
	-9874 Mar 11 j 11:15	15°♏	
retrograde	-9874 May 13 j 00:50	18°♏22'02	
	-9874 Jul 16 j 23:22	15°℞♏	
min. Earth dist.	-9874 Jul 18 j 09:56	14°♏52'44	7.77446 AU
opposition	-9874 Jul 19 j 02:26	14°♏49'16	-1°47'33
direct	-9874 Sep 22 j 12:08	11°♏20'44	
	-9874 Nov 25 j 11:33	15°♏	
evening set	-9873 Jan 04 j 11:47	19°♏49'27	
conjunction	-9873 Jan 22 j 14:20	22°♏14'47	-1°40'00
minimum elong	-9873 Jan 22 j 14:16	22°♏14'45	1°40'25
max. Earth dist.	-9873 Jan 23 j 14:03	22°♏22'46	9.77938 AU
morning rise	-9873 Feb 09 j 19:54	24°♏41'02	
	-9873 Mar 26 j 14:23	0°♐	
retrograde	-9873 May 28 j 10:15	3°♐24'54	
	-9873 Aug 01 j 15:48	30°℞♏	
min. Earth dist.	-9873 Aug 02 j 07:33	29°♏56'41	7.79780 AU
opposition	-9873 Aug 03 j 02:53	29°♏52'36	-2°22'18
direct	-9873 Oct 07 j 17:48	26°♏23'20	
	-9873 Dec 10 j 15:58	0°♐	
evening set	-9872 Jan 20 j 12:14	4°♐53'01	
conjunction	-9872 Feb 07 j 15:38	7°♐17'37	-2°04'06
minimum elong	-9872 Feb 07 j 15:34	7°♐17'36	2°04'36
max. Earth dist.	-9872 Feb 08 j 18:47	7°♐26'42	9.82403 AU
morning rise	-9872 Feb 25 j 20:42	9°♐42'40	
retrograde	-9872 Jun 11 j 10:49	18°♐18'30	
opposition	-9872 Aug 16 j 22:25	14°♐47'11	-2°46'59
min. Earth dist.	-9872 Aug 16 j 01:28	14°♐51'36	7.86399 AU
direct	-9872 Oct 21 j 23:33	11°♐17'26	
evening set	-9871 Feb 04 j 09:32	19°♐44'28	
conjunction	-9871 Feb 22 j 12:36	22°♐07'17	-2°19'38
minimum elong	-9871 Feb 22 j 12:33	22°♐07'16	2°20'11
max. Earth dist.	-9871 Feb 23 j 17:22	22°♐16'47	9.91000 AU
morning rise	-9871 Mar 12 j 15:55	24°♐30'02	
	-9871 Apr 29 j 12:53	0°♑	
retrograde	-9871 Jun 26 j 00:09	2°♑54'08	
	-9871 Aug 24 j 06:12	30°℞♐	
opposition	-9871 Aug 31 j 10:22	29°♐24'13	-3°00'12
min. Earth dist.	-9871 Aug 30 j 12:47	29°♐28'44	7.96843 AU
direct	-9871 Nov 06 j 01:50	25°♐54'19	
	-9870 Jan 14 j 23:42	0°♑	
evening set	-9870 Feb 19 j 22:56	4°♑15'17	
conjunction	-9870 Mar 10 j 00:47	6°♑35'31	-2°25'57
minimum elong	-9870 Mar 10 j 00:46	6°♑35'31	2°26'32
max. Earth dist.	-9870 Mar 11 j 05:23	6°♑44'50	10.03106 AU
morning rise	-9870 Mar 28 j 01:27	8°♑55'14	
retrograde	-9870 Jul 10 j 01:05	17°♑05'03	
opposition	-9870 Sep 14 j 13:08	13°♑36'52	-3°01'50
min. Earth dist.	-9870 Sep 13 j 15:52	13°♑41'16	8.10357 AU
direct	-9870 Nov 20 j 21:15	10°♑07'10	
evening set	-9869 Mar 07 j 00:42	18°♑19'19	
conjunction	-9869 Mar 25 j 00:39	20°♑36'28	-2°23'21
minimum elong	-9869 Mar 25 j 00:41	20°♑36'29	2°23'55
max. Earth dist.	-9869 Mar 26 j 03:37	20°♑45'05	10.17863 AU
morning rise	-9869 Apr 11 j 22:04	22°♑52'41	
	-9869 Jun 24 j 08:58	0°♒	
retrograde	-9869 Jul 23 j 13:59	0°♒46'59	
	-9869 Aug 21 j 23:20	30°℞♑	
min. Earth dist.	-9869 Sep 27 j 09:40	27°♑24'49	8.26030 AU
opposition	-9869 Sep 28 j 05:37	27°♑20'45	-2°52'51
direct	-9869 Dec 05 j 08:15	23°♑51'37	
	-9868 Mar 04 j 18:53	0°♒	
evening set	-9868 Mar 20 j 12:38	1°♒53'06	
conjunction	-9868 Apr 07 j 10:15	4°♒06'54	-2°12'49
minimum elong	-9868 Apr 07 j 10:18	4°♒06'55	2°13'19
max. Earth dist.	-9868 Apr 08 j 10:21	4°♒14'28	10.34319 AU
morning rise	-9868 Apr 25 j 04:09	6°♒19'28	
retrograde	-9868 Aug 04 j 13:30	13°♒58'10	
opposition	-9868 Oct 10 j 11:35	10°♒33'58	-2°34'56
min. Earth dist.	-9868 Oct 09 j 18:19	10°♒37'26	8.42912 AU
direct	-9868 Dec 18 j 09:08	7°♒05'41	
evening set	-9867 Apr 03 j 09:54	14°♒55'38	
	-9867 Apr 04 j 00:24	15°♒	
conjunction	-9867 Apr 21 j 04:48	17°♒06'02	-1°55'43
minimum elong	-9867 Apr 21 j 04:51	17°♒06'03	1°56'09
max. Earth dist.	-9867 Apr 22 j 00:52	17°♒12'12	10.51509 AU
morning rise	-9867 May 08 j 19:05	19°♒15'00	
retrograde	-9867 Aug 17 j 01:22	26°♒38'58	
opposition	-9867 Oct 23 j 07:36	23°♒16'49	-2°10'01
min. Earth dist.	-9867 Oct 22 j 18:27	23°♒19'25	8.60072 AU
direct	-9867 Dec 31 j 23:06	19°♒49'35	
evening set	-9866 Apr 16 j 16:57	27°♒27'57	
conjunction	-9866 May 04 j 08:37	29°♒35'03	-1°33'37
minimum elong	-9866 May 04 j 08:40	29°♒35'04	1°33'57
max. Earth dist.	-9866 May 04 j 23:00	29°♒39'23	10.68532 AU
	-9866 May 07 j 19:16	0°♓	
morning rise	-9866 May 21 j 19:14	1°♓40'35	
retrograde	-9866 Aug 29 j 03:09	8°♓51'23	
opposition	-9866 Nov 04 j 18:26	5°♓31'10	-1°40'06
min. Earth dist.	-9866 Nov 04 j 09:42	5°♓32'51	8.76683 AU
direct	-9865 Jan 14 j 01:52	2°♓05'08	
evening set	-9865 Apr 29 j 10:36	9°♓32'32	
conjunction	-9865 May 16 j 22:45	11°♓36'32	-1°08'01
minimum elong	-9865 May 16 j 22:48	11°♓36'33	1°08'16
max. Earth dist.	-9865 May 17 j 06:52	11°♓38'57	10.84619 AU
morning rise	-9865 Jun 03 j 05:46	13°♓38'58	

Attention, astronomical year style is used: The year -9865 in astronomical counting style is the year 9866 BCE in historical counting style.

retrograde	-9865 Sep 09 j 18:00	20°♓38'34	
opposition	-9865 Nov 16 j 21:19	17°♓20'03	-1°06'59
min. Earth dist.	-9865 Nov 16 j 16:33	17°♓20'58	8.92037 AU
direct	-9864 Jan 26 j 20:36	13°♓55'21	
evening set	-9864 May 10 j 16:13	21°♓12'50	
conjunction	-9864 May 28 j 00:46	23°♓14'00	-0°40'19
minimum elong	-9864 May 28 j 00:48	23°♓14'01	0°40'27
max. Earth dist.	-9864 May 28 j 03:19	23°♓14'45	10.99120 AU
morning rise	-9864 Jun 14 j 04:04	25°♓13'39	
	-9864 Jul 31 j 22:41	0°♈	
retrograde	-9864 Sep 20 j 04:43	2°♈04'18	
	-9864 Nov 11 j 06:23	30°℞♓	
opposition	-9864 Nov 27 j 17:33	28°♓47'14	-0°32'14
min. Earth dist.	-9864 Nov 27 j 16:34	28°♓47'25	9.05532 AU
direct	-9863 Feb 07 j 05:22	25°♓23'53	
	-9863 Apr 28 j 22:07	0°♈	
evening set	-9863 May 22 j 11:53	2°♈32'50	
conjunction	-9863 Jun 08 j 16:42	4°♈31'33	-0°11'43
minimum elong	-9863 Jun 08 j 16:43	4°♈31'33	0°11'45
behind sun begin	-9863 Jun 08 j 11:44	4°♈30'08	
behind sun end	-9863 Jun 08 j 21:42	4°♈32'59	
max. Earth dist.	-9863 Jun 08 j 14:43	4°♈30'59	11.11492 AU
morning rise	-9863 Jun 25 j 16:10	6°♈28'47	
retrograde	-9863 Oct 01 j 09:52	13°♈12'42	
asc. node	-9863 Nov 09 j 09:28	12°♈00'31	
opposition	-9863 Dec 09 j 08:47	9°♈56'51	0°02'48
min. Earth dist.	-9863 Dec 09 j 12:29	9°♈56'09	9.16698 AU
direct	-9862 Feb 19 j 03:57	6°♈34'47	
evening set	-9862 Jun 02 j 23:26	13°♈36'48	
conjunction	-9862 Jun 20 j 00:17	15°♈33'25	0°16'50
minimum elong	-9862 Jun 20 j 00:16	15°♈33'24	0°16'55
max. Earth dist.	-9862 Jun 19 j 17:00	15°♈31'20	11.21328 AU
morning rise	-9862 Jul 06 j 20:07	17°♈28'40	
retrograde	-9862 Oct 12 j 11:32	24°♈08'10	
opposition	-9862 Dec 20 j 20:45	20°♈53'12	0°37'00
min. Earth dist.	-9862 Dec 21 j 05:20	20°♈51'38	9.25187 AU
direct	-9861 Mar 02 j 22:31	17°♈32'17	
evening set	-9861 Jun 14 j 04:26	24°♈29'02	
conjunction	-9861 Jul 01 j 01:18	26°♈23'56	0°44'16
minimum elong	-9861 Jul 01 j 01:16	26°♈23'56	0°44'28
max. Earth dist.	-9861 Jun 30 j 12:30	26°♈20'17	11.28328 AU
morning rise	-9861 Jul 17 j 17:53	28°♈17'40	
	-9861 Aug 02 j 10:39	0°♉	
retrograde	-9861 Oct 23 j 11:35	4°♉55'00	
opposition	-9860 Jan 01 j 06:41	1°♉40'33	1°09'24
min. Earth dist.	-9860 Jan 01 j 18:58	1°♉38'19	9.30730 AU
	-9860 Jan 25 j 08:17	30°℞♈	
direct	-9860 Mar 13 j 11:38	28°♈20'39	
	-9860 Apr 29 j 10:52	0°♉	
evening set	-9860 Jun 24 j 04:56	5°♉13'48	
conjunction	-9860 Jul 10 j 22:09	7°♉07'26	1°09'53
minimum elong	-9860 Jul 10 j 22:07	7°♉07'26	1°10'11
max. Earth dist.	-9860 Jul 10 j 05:39	7°♉02'44	11.32278 AU
morning rise	-9860 Jul 27 j 11:39	9°♉00'06	
	-9860 Oct 05 j 20:13	15°♉	
retrograde	-9860 Nov 02 j 13:34	15°♉37'26	
	-9860 Nov 30 j 17:42	15°℞♉	
opposition	-9859 Jan 11 j 16:00	12°♉23'10	1°39'08
min. Earth dist.	-9859 Jan 12 j 07:13	12°♉20'24	9.33144 AU
direct	-9859 Mar 24 j 22:01	9°♉04'04	
	-9859 Jun 26 j 17:51	15°♉	
evening set	-9859 Jul 05 j 02:39	15°♉55'18	

conjunction	-9859 Jul 21 j 16:36	17°♉48'09	1°32'57
minimum elong	-9859 Jul 21 j 16:33	17°♉48'08	1°33'20
max. Earth dist.	-9859 Jul 20 j 21:13	17°♉42'36	11.33046 AU
morning rise	-9859 Aug 07 j 03:20	19°♉40'12	
retrograde	-9859 Nov 13 j 17:26	26°♉19'38	
opposition	-9858 Jan 23 j 02:42	23°♉05'11	2°05'24
min. Earth dist.	-9858 Jan 23 j 21:02	23°♉01'52	9.32351 AU
direct	-9858 Apr 05 j 04:39	19°♉46'41	
evening set	-9858 Jul 15 j 23:16	26°♉37'37	
max. Earth dist.	-9858 Jul 31 j 11:19	28°♉23'33	11.30608 AU
conjunction	-9858 Aug 01 j 10:16	28°♉30'08	1°52'48
minimum elong	-9858 Aug 01 j 10:13	28°♉30'08	1°53'15
	-9858 Aug 14 j 12:33	0°♊	
morning rise	-9858 Aug 17 j 19:02	0°♊22'09	
retrograde	-9858 Nov 25 j 00:07	7°♊05'44	
opposition	-9857 Feb 03 j 16:00	3°♊50'44	2°27'28
min. Earth dist.	-9857 Feb 04 j 13:29	3°♊46'50	9.28366 AU
direct	-9857 Apr 16 j 11:55	0°♊32'32	
evening set	-9857 Jul 26 j 20:36	7°♊24'49	
max. Earth dist.	-9857 Aug 11 j 03:47	9°♊10'09	11.25023 AU
conjunction	-9857 Aug 12 j 05:23	9°♊17'34	2°08'48
minimum elong	-9857 Aug 12 j 05:20	9°♊17'33	2°09'19
morning rise	-9857 Aug 28 j 13:00	11°♊10'04	
retrograde	-9857 Dec 06 j 13:00	17°♊59'46	
opposition	-9856 Feb 15 j 08:54	14°♊43'49	2°44'35
min. Earth dist.	-9856 Feb 16 j 08:05	14°♊39'36	9.21262 AU
direct	-9856 Apr 26 j 21:16	11°♊25'40	
evening set	-9856 Aug 05 j 20:10	18°♊20'54	
max. Earth dist.	-9856 Aug 21 j 01:21	20°♊06'44	11.16392 AU
conjunction	-9856 Aug 22 j 03:48	20°♊14'28	2°20'20
minimum elong	-9856 Aug 22 j 03:46	20°♊14'27	2°20'54
morning rise	-9856 Sep 07 j 11:00	22°♊08'02	
retrograde	-9856 Dec 17 j 09:19	29°♊05'48	
opposition	-9855 Feb 26 j 07:09	25°♊48'35	2°56'01
min. Earth dist.	-9855 Feb 27 j 06:42	25°♊44'16	9.11175 AU
direct	-9855 May 08 j 08:48	22°♊30'16	
evening set	-9855 Aug 16 j 23:51	29°♊30'03	
	-9855 Aug 21 j 06:50	0°♋	
max. Earth dist.	-9855 Sep 01 j 04:18	1°♋17'03	11.04913 AU
conjunction	-9855 Sep 02 j 07:16	1°♋25'02	2°26'48
minimum elong	-9855 Sep 02 j 07:15	1°♋25'02	2°27'23
morning rise	-9855 Sep 18 j 15:08	3°♋20'18	
retrograde	-9855 Dec 29 j 15:43	10°♋28'02	
opposition	-9854 Mar 10 j 12:13	7°♋09'17	3°00'59
min. Earth dist.	-9854 Mar 11 j 11:50	7°♋04'55	8.98383 AU
direct	-9854 May 20 j 00:10	3°♋50'33	
evening set	-9854 Aug 28 j 09:44	10°♋56'27	
conjunction	-9854 Sep 13 j 17:59	12°♋53'30	2°27'36
minimum elong	-9854 Sep 13 j 18:00	12°♋53'30	2°28'11
max. Earth dist.	-9854 Sep 12 j 14:33	12°♋45'15	10.90975 AU
morning rise	-9854 Sep 30 j 03:56	14°♋51'10	
retrograde	-9853 Jan 11 j 06:07	22°♋10'29	
opposition	-9853 Mar 23 j 01:08	18°♋49'58	2°58'47
min. Earth dist.	-9853 Mar 24 j 00:20	18°♋45'38	8.83377 AU
direct	-9853 May 31 j 20:13	15°♋30'34	
evening set	-9853 Sep 09 j 03:25	22°♋44'03	
max. Earth dist.	-9853 Sep 24 j 11:50	24°♋35'49	10.75136 AU
conjunction	-9853 Sep 25 j 13:53	24°♋43'47	2°22'14
minimum elong	-9853 Sep 25 j 13:55	24°♋43'47	2°22'47
morning rise	-9853 Oct 12 j 03:10	26°♋44'27	
	-9853 Nov 10 j 01:34	0°♌	

Attention, astronomical year style is used: The year -9852 in astronomical counting style is the year 9853 BCE in historical counting style.

retrograde	-9852 Jan 24 j 07:52	4°♌16'47	
opposition	-9852 Apr 03 j 22:56	0°♌54'16	2°48'46
min. Earth dist.	-9852 Apr 04 j 20:15	0°♌50'13	8.66776 AU
	-9852 Apr 16 j 00:50	30°℞♋	
direct	-9852 Jun 12 j 02:47	27°♋33'59	
	-9852 Aug 05 j 03:08	0°♌	
evening set	-9852 Sep 20 j 06:47	4°♌56'15	
conjunction	-9852 Oct 06 j 20:49	6°♌59'16	2°10'21
minimum elong	-9852 Oct 06 j 20:52	6°♌59'17	2°10'50
max. Earth dist.	-9852 Oct 05 j 22:28	6°♌52'18	10.58058 AU
morning rise	-9852 Oct 23 j 14:26	9°♌03'30	
	-9852 Dec 20 j 10:35	15°♌	
retrograde	-9851 Feb 05 j 22:44	16°♌49'47	
	-9851 Mar 26 j 20:33	15°℞♌	
opposition	-9851 Apr 17 j 06:13	13°♌25'08	2°30'29
min. Earth dist.	-9851 Apr 17 j 23:45	13°♌21'46	8.49312 AU
direct	-9851 Jun 24 j 16:44	10°♌03'49	
	-9851 Sep 11 j 00:42	15°♌	
evening set	-9851 Oct 02 j 21:39	17°♌35'51	
conjunction	-9851 Oct 19 j 16:23	19°♌42'38	1°51'47
minimum elong	-9851 Oct 19 j 16:27	19°♌42'39	1°52'13
max. Earth dist.	-9851 Oct 18 j 22:38	19°♌37'00	10.40524 AU
morning rise	-9851 Nov 05 j 15:28	21°♌50'54	
retrograde	-9850 Feb 20 j 01:57	29°♌51'33	
opposition	-9850 Apr 30 j 23:23	26°♌24'44	2°03'52
min. Earth dist.	-9850 May 01 j 12:01	26°♌22'16	8.31824 AU
direct	-9850 Jul 07 j 15:15	23°♌02'15	
	-9850 Oct 10 j 02:29	0°♍	
evening set	-9850 Oct 16 j 01:38	0°♍44'48	
conjunction	-9850 Nov 02 j 01:55	2°♍55'39	1°26'49
minimum elong	-9850 Nov 02 j 01:59	2°♍55'40	1°27'08
max. Earth dist.	-9850 Nov 01 j 13:15	2°♍51'34	10.23407 AU
morning rise	-9850 Nov 19 j 07:20	5°♍08'14	
retrograde	-9849 Mar 06 j 15:53	13°♍22'54	
opposition	-9849 May 15 j 02:15	9°♍54'03	1°29'25
min. Earth dist.	-9849 May 15 j 09:41	9°♍52'34	8.15226 AU
direct	-9849 Jul 21 j 01:27	6°♍30'16	
evening set	-9849 Oct 29 j 19:54	14°♍23'44	
conjunction	-9849 Nov 16 j 02:11	16°♍38'43	0°56'10
minimum elong	-9849 Nov 16 j 02:14	16°♍38'43	0°56'22
max. Earth dist.	-9849 Nov 15 j 19:18	16°♍36'27	10.07635 AU
morning rise	-9849 Dec 03 j 14:13	18°♍55'35	
retrograde	-9848 Mar 20 j 16:06	27°♍23'01	
opposition	-9848 May 28 j 13:52	23°♍52'24	0°48'23
min. Earth dist.	-9848 May 28 j 15:57	23°♍51'58	8.00479 AU
direct	-9848 Aug 02 j 22:05	20°♍27'16	
evening set	-9848 Nov 12 j 04:44	28°♍31'27	
	-9848 Nov 23 j 09:48	0°♎	
conjunction	-9848 Nov 29 j 17:07	0°♎50'18	0°21'16
minimum elong	-9848 Nov 29 j 17:08	0°♎50'19	0°21'20
max. Earth dist.	-9848 Nov 29 j 17:07	0°♎50'18	9.94168 AU
morning rise	-9848 Dec 17 j 11:27	3°♎11'06	
retrograde	-9847 Apr 05 j 00:29	11°♎49'06	
opposition	-9847 Jun 12 j 08:58	8°♎17'03	0°02'57
min. Earth dist.	-9847 Jun 12 j 05:36	8°♎17'44	7.88529 AU
desc. node	-9847 Jul 06 j 01:54	6°♎26'12	
direct	-9847 Aug 17 j 05:15	4°♎50'36	
evening set	-9847 Nov 27 j 03:33	13°♎04'36	
conjunction	-9847 Dec 14 j 21:34	15°♎26'42	-0°15'55
minimum elong	-9847 Dec 14 j 21:34	15°♎26'42	0°16'00
max. Earth dist.	-9847 Dec 15 j 05:15	15°♎29'16	9.83897 AU
morning rise	-9846 Jan 01 j 21:14	17°♎50'39	
retrograde	-9846 Apr 20 j 13:46	26°♎35'56	
opposition	-9846 Jun 27 j 09:13	23°♎02'55	-0°43'52
min. Earth dist.	-9846 Jun 27 j 00:17	23°♎04'47	7.80194 AU
direct	-9846 Aug 31 j 21:59	19°♎35'15	
evening set	-9846 Dec 12 j 14:44	27°♎57'25	
	-9846 Dec 27 j 20:46	0°♏	
conjunction	-9846 Dec 30 j 13:20	0°♏21'48	-0°52'38
minimum elong	-9846 Dec 30 j 13:17	0°♏21'47	0°52'52
max. Earth dist.	-9846 Dec 31 j 04:28	0°♏26'55	9.77551 AU
morning rise	-9845 Jan 17 j 16:45	2°♏47'46	
retrograde	-9845 May 06 j 04:10	11°♏36'09	
opposition	-9845 Jul 12 j 11:45	8°♏02'44	-1°28'28
min. Earth dist.	-9845 Jul 11 j 21:35	8°♏05'43	7.76080 AU
direct	-9845 Sep 15 j 22:29	4°♏34'01	
evening set	-9845 Dec 28 j 10:44	13°♏01'49	
	-9844 Jan 12 j 03:39	15°♏	
conjunction	-9844 Jan 15 j 12:29	15°♏27'18	-1°26'09
minimum elong	-9844 Jan 15 j 12:24	15°♏27'16	1°26'30
max. Earth dist.	-9844 Jan 16 j 10:17	15°♏34'40	9.75621 AU
morning rise	-9844 Feb 02 j 17:50	17°♏53'55	
retrograde	-9844 May 20 j 15:39	26°♏40'48	
opposition	-9844 Jul 26 j 13:47	23°♏07'34	-2°07'09
min. Earth dist.	-9844 Jul 25 j 19:08	23°♏11'30	7.76508 AU
direct	-9844 Sep 30 j 03:05	19°♏38'02	
evening set	-9843 Jan 12 j 10:54	28°♏08'14	
	-9843 Jan 26 j 10:27	0°♐	
conjunction	-9843 Jan 30 j 14:17	0°♐33'32	-1°53'46
minimum elong	-9843 Jan 30 j 14:12	0°♐33'31	1°54'14
max. Earth dist.	-9843 Jan 31 j 17:23	0°♐42'39	9.78274 AU
morning rise	-9843 Feb 17 j 19:50	2°♐59'29	
retrograde	-9843 Jun 04 j 20:36	11°♐40'12	
opposition	-9843 Aug 10 j 12:05	8°♐07'45	-2°36'50
min. Earth dist.	-9843 Aug 09 j 14:18	8°♐12'21	7.81441 AU
direct	-9843 Oct 15 j 08:33	4°♐37'42	
evening set	-9842 Jan 28 j 10:31	13°♐06'46	
conjunction	-9842 Feb 15 j 14:07	15°♐30'43	-2°13'28
minimum elong	-9842 Feb 15 j 14:04	15°♐30'42	2°14'00
max. Earth dist.	-9842 Feb 16 j 20:28	15°♐40'49	9.85313 AU
morning rise	-9842 Mar 05 j 18:22	17°♐54'47	
retrograde	-9842 Jun 19 j 16:23	26°♐25'13	
min. Earth dist.	-9842 Aug 24 j 04:47	22°♐58'58	7.90504 AU
opposition	-9842 Aug 25 j 03:54	22°♐54'06	-2°55'30
direct	-9842 Oct 30 j 11:48	19°♐23'53	
evening set	-9841 Feb 13 j 04:20	27°♐48'19	
	-9841 Mar 02 j 00:36	0°♑	
conjunction	-9841 Mar 03 j 07:02	0°♑09'59	-2°24'07
minimum elong	-9841 Mar 03 j 07:00	0°♑09'59	2°24'41
max. Earth dist.	-9841 Mar 04 j 14:18	0°♑20'14	9.96217 AU
morning rise	-9841 Mar 21 j 08:56	2°♑31'17	
retrograde	-9841 Jul 04 j 00:52	10°♑48'21	
opposition	-9841 Sep 08 j 11:24	7°♑19'02	-3°02'27
min. Earth dist.	-9841 Sep 07 j 12:39	7°♑23'46	8.03044 AU
direct	-9841 Nov 14 j 09:59	3°♑49'02	
evening set	-9840 Feb 28 j 11:59	12°♑05'46	
conjunction	-9840 Mar 17 j 12:57	14°♑24'29	-2°25'35
minimum elong	-9840 Mar 17 j 12:57	14°♑24'29	2°26'09
max. Earth dist.	-9840 Mar 18 j 18:53	14°♑34'09	10.10219 AU
morning rise	-9840 Apr 04 j 11:53	16°♑42'26	
retrograde	-9840 Jul 16 j 20:34	24°♑44'21	
min. Earth dist.	-9840 Sep 20 j 11:55	21°♑21'28	8.18211 AU

Attention, astronomical year style is used: The year -9840 in astronomical counting style is the year 9841 BCE in historical counting style.

opposition	-9840 Sep 21 j 09:03	21°♑17'07	-2°58'12
direct	-9840 Nov 28 j 01:35	17°♑47'41	
evening set	-9839 Mar 14 j 06:57	25°♑54'30	
conjunction	-9839 Apr 01 j 05:40	28°♑09'56	-2°18'33
minimum elong	-9839 Apr 01 j 05:43	28°♑09'56	2°19'05
max. Earth dist.	-9839 Apr 02 j 08:20	28°♑18'22	10.26397 AU
	-9839 Apr 15 j 19:16	0°♒	
morning rise	-9839 Apr 19 j 01:21	0°♒24'16	
retrograde	-9839 Jul 30 j 01:17	8°♒10'22	
opposition	-9839 Oct 04 j 20:08	4°♒45'23	-2°44'09
min. Earth dist.	-9839 Oct 04 j 01:30	4°♒49'09	8.35050 AU
direct	-9839 Dec 12 j 08:26	1°♒16'51	
evening set	-9838 Mar 28 j 11:41	9°♒12'25	
conjunction	-9838 Apr 15 j 07:46	11°♒24'24	-2°04'16
minimum elong	-9838 Apr 15 j 07:49	11°♒24'25	2°04'44
max. Earth dist.	-9838 Apr 16 j 05:53	11°♒31'16	10.43766 AU
morning rise	-9838 May 02 j 23:56	13°♒35'03	
	-9838 May 14 j 21:15	15°♒	
retrograde	-9838 Aug 11 j 18:26	21°♒05'52	
opposition	-9838 Oct 17 j 21:05	17°♒43'05	-2°22'10
min. Earth dist.	-9838 Oct 17 j 05:08	17°♒46'15	8.52594 AU
	-9838 Nov 26 j 11:08	15°℞♒	
direct	-9838 Dec 26 j 04:14	14°♒15'43	
	-9837 Jan 24 j 19:27	15°♒	
evening set	-9837 Apr 11 j 01:39	21°♒59'32	
conjunction	-9837 Apr 28 j 18:49	24°♒08'07	-1°44'15
minimum elong	-9837 Apr 28 j 18:53	24°♒08'08	1°44'38
max. Earth dist.	-9837 Apr 29 j 12:16	24°♒13'26	10.61366 AU
morning rise	-9837 May 16 j 07:16	26°♒15'12	
	-9837 Jun 19 j 07:34	0°♓	
retrograde	-9837 Aug 24 j 01:48	3°♓31'59	
opposition	-9837 Oct 30 j 12:23	0°♓11'17	-1°54'16
min. Earth dist.	-9837 Oct 30 j 00:01	0°♓13'42	8.69924 AU
	-9837 Nov 01 j 22:11	30°℞♒	
direct	-9836 Jan 08 j 12:14	26°♒45'13	
	-9836 Mar 13 j 18:10	0°♓	
evening set	-9836 Apr 23 j 01:45	4°♓17'33	
conjunction	-9836 May 10 j 15:42	6°♓22'55	-1°20'03
minimum elong	-9836 May 10 j 15:45	6°♓22'56	1°20'21
max. Earth dist.	-9836 May 11 j 04:09	6°♓26'39	10.78307 AU
morning rise	-9836 May 28 j 00:20	8°♓26'42	
retrograde	-9836 Sep 03 j 22:24	15°♓31'12	
opposition	-9836 Nov 10 j 18:58	12°♓12'24	-1°22'23
min. Earth dist.	-9836 Nov 10 j 11:30	12°♓13'51	8.86205 AU
direct	-9835 Jan 20 j 10:24	8°♓47'39	
evening set	-9835 May 05 j 13:17	16°♓09'28	
conjunction	-9835 May 22 j 23:38	18°♓11'52	-0°53'08
minimum elong	-9835 May 22 j 23:40	18°♓11'52	0°53'20
max. Earth dist.	-9835 May 23 j 05:49	18°♓13'41	10.93789 AU
morning rise	-9835 Jun 09 j 04:32	20°♓12'40	
retrograde	-9835 Sep 15 j 11:40	27°♓07'05	
opposition	-9835 Nov 22 j 18:27	23°♓49'55	-0°48'11
min. Earth dist.	-9835 Nov 22 j 16:31	23°♓50'17	9.00699 AU
direct	-9834 Feb 01 j 22:53	20°♓26'28	
evening set	-9834 May 17 j 13:48	27°♓39'08	
conjunction	-9834 Jun 03 j 20:15	29°♓38'53	-0°24'48
minimum elong	-9834 Jun 03 j 20:16	29°♓38'53	0°24'52
max. Earth dist.	-9834 Jun 03 j 19:23	29°♓38'38	11.07159 AU
	-9834 Jun 06 j 20:51	0°♈	
morning rise	-9834 Jun 20 j 21:30	1°♈37'07	
retrograde	-9834 Sep 26 j 17:43	8°♈23'48	

opposition	-9834 Dec 04 j 12:08	5°♈07'57	-0°13'08
min. Earth dist.	-9834 Dec 04 j 14:45	5°♈07'27	9.12861 AU
direct	-9833 Feb 14 j 03:07	1°♈45'45	
asc. node	-9833 Apr 24 j 08:41	5°♈13'40	
evening set	-9833 May 29 j 05:10	8°♈50'49	
conjunction	-9833 Jun 15 j 07:46	10°♈48'18	0°03'58
minimum elong	-9833 Jun 15 j 07:45	10°♈48'18	0°04'00
behind sun begin	-9833 Jun 15 j 00:48	10°♈46'19	
behind sun end	-9833 Jun 15 j 14:42	10°♈50'17	
max. Earth dist.	-9833 Jun 15 j 01:22	10°♈46'29	11.17995 AU
morning rise	-9833 Jul 02 j 05:23	12°♈44'24	
retrograde	-9833 Oct 07 j 21:54	19°♈25'42	
opposition	-9833 Dec 16 j 01:33	16°♈10'45	0°21'35
min. Earth dist.	-9833 Dec 16 j 08:06	16°♈09'33	9.22342 AU
direct	-9832 Feb 26 j 01:43	12°♈49'41	
evening set	-9832 Jun 08 j 13:09	19°♈48'44	
conjunction	-9832 Jun 25 j 11:59	21°♈44'22	0°31'56
minimum elong	-9832 Jun 25 j 11:58	21°♈44'22	0°32'06
max. Earth dist.	-9832 Jun 25 j 01:19	21°♈41'19	11.26004 AU
morning rise	-9832 Jul 12 j 06:01	23°♈38'44	
	-9832 Sep 29 j 13:02	0°♉	
retrograde	-9832 Oct 17 j 23:16	0°♉16'51	
	-9832 Nov 05 j 12:34	30°℞♈	
opposition	-9832 Dec 26 j 12:21	27°♈02'28	0°54'55
min. Earth dist.	-9832 Dec 26 j 23:13	27°♈00'29	9.28895 AU
direct	-9831 Mar 08 j 15:43	23°♈42'20	
	-9831 Jun 14 j 01:52	0°♉	
evening set	-9831 Jun 19 j 15:48	0°♉37'02	
conjunction	-9831 Jul 06 j 10:47	2°♉31'13	0°58'29
minimum elong	-9831 Jul 06 j 10:44	2°♉31'12	0°58'45
max. Earth dist.	-9831 Jul 05 j 19:22	2°♉26'49	11.30980 AU
morning rise	-9831 Jul 23 j 01:33	4°♉24'19	
retrograde	-9831 Oct 28 j 23:25	11°♉01'27	
opposition	-9830 Jan 06 j 22:03	7°♉47'15	1°25'58
min. Earth dist.	-9830 Jan 07 j 13:28	7°♉44'26	9.32359 AU
direct	-9830 Mar 20 j 03:05	4°♉27'48	
evening set	-9830 Jun 30 j 14:44	11°♉19'50	
max. Earth dist.	-9830 Jul 16 j 10:01	13°♉07'17	11.32819 AU
conjunction	-9830 Jul 17 j 06:04	13°♉13'00	1°22'47
minimum elong	-9830 Jul 17 j 06:01	13°♉12'59	1°23'08
	-9830 Aug 01 j 23:07	15°♉	
morning rise	-9830 Aug 02 j 18:07	15°♉05'19	
retrograde	-9830 Nov 09 j 00:49	21°♉43'36	
opposition	-9829 Jan 18 j 08:01	18°♉29'10	1°53'54
min. Earth dist.	-9829 Jan 19 j 02:34	18°♉25'48	9.32656 AU
direct	-9829 Mar 31 j 12:10	15°♉10'12	
evening set	-9829 Jul 11 j 11:26	22°♉01'11	
conjunction	-9829 Jul 27 j 23:45	23°♉53'50	1°44'11
minimum elong	-9829 Jul 27 j 23:42	23°♉53'49	1°44'36
max. Earth dist.	-9829 Jul 27 j 01:09	23°♉47'22	11.31479 AU
morning rise	-9829 Aug 13 j 09:29	25°♉45'52	
	-9829 Sep 24 j 19:37	0°♊	
retrograde	-9829 Nov 20 j 06:10	2°♊27'23	
	-9828 Jan 18 j 18:11	30°℞♉	
opposition	-9828 Jan 29 j 19:37	29°♉12'21	2°17'59
min. Earth dist.	-9828 Jan 30 j 15:59	29°♉08'39	9.29770 AU
direct	-9828 Apr 10 j 20:24	25°♉53'40	
	-9828 Jun 25 j 10:49	0°♊	
evening set	-9828 Jul 21 j 08:00	2°♊45'16	
conjunction	-9828 Aug 06 j 17:55	4°♊37'55	2°02'01
minimum elong	-9828 Aug 06 j 17:52	4°♊37'54	2°02'31

Attention, astronomical year style is used: The year -9828 in astronomical counting style is the year 9829 BCE in historical counting style.

max. Earth dist.	-9828 Aug 05 j 17:30	4°♊30'53	11.26992 AU
morning rise	-9828 Aug 23 j 01:53	6°♊30'11	
retrograde	-9828 Nov 30 j 17:18	13°♊16'55	
opposition	-9827 Feb 09 j 10:22	10°♊01'00	2°37'29
min. Earth dist.	-9827 Feb 10 j 08:46	9°♊56'56	9.23788 AU
direct	-9827 Apr 22 j 03:46	6°♊42'23	
evening set	-9827 Aug 01 j 06:10	13°♊36'13	
max. Earth dist.	-9827 Aug 16 j 11:32	15°♊21'39	11.19510 AU
conjunction	-9827 Aug 17 j 14:15	15°♊29'25	2°15'41
minimum elong	-9827 Aug 17 j 14:13	15°♊29'25	2°16'14
morning rise	-9827 Sep 02 j 21:30	17°♊22'30	
retrograde	-9827 Dec 12 j 07:59	24°♊16'25	
opposition	-9826 Feb 21 j 05:59	20°♊59'20	2°51'38
min. Earth dist.	-9826 Feb 22 j 06:01	20°♊54'56	9.14901 AU
direct	-9826 May 03 j 12:21	17°♊40'34	
evening set	-9826 Aug 12 j 07:28	24°♊38'14	
max. Earth dist.	-9826 Aug 27 j 11:01	26°♊24'24	11.09266 AU
conjunction	-9826 Aug 28 j 14:45	26°♊32'34	2°24'34
minimum elong	-9826 Aug 28 j 14:44	26°♊32'33	2°25'08
morning rise	-9826 Sep 13 j 22:21	28°♊27'04	
	-9826 Sep 27 j 16:30	0°♋	
retrograde	-9826 Dec 24 j 08:38	5°♋30'04	
opposition	-9825 Mar 05 j 07:32	2°♋11'32	2°59'41
min. Earth dist.	-9825 Mar 06 j 07:49	2°♋07'03	9.03376 AU
	-9825 Apr 06 j 19:41	30°℞♊	
direct	-9825 May 15 j 03:01	28°♊52'26	
	-9825 Jun 21 j 08:54	0°♋	
evening set	-9825 Aug 23 j 13:56	5°♋55'28	
conjunction	-9825 Sep 08 j 21:43	7°♋51'33	2°28'03
minimum elong	-9825 Sep 08 j 21:43	7°♋51'33	2°28'37
max. Earth dist.	-9825 Sep 07 j 19:07	7°♋43'36	10.96569 AU
morning rise	-9825 Sep 25 j 06:37	9°♋48'06	
retrograde	-9824 Jan 05 j 18:45	17°♋01'52	
opposition	-9824 Mar 16 j 16:06	13°♋41'40	3°00'52
min. Earth dist.	-9824 Mar 17 j 14:54	13°♋37'25	8.89576 AU
direct	-9824 May 25 j 20:55	10°♋22'06	
evening set	-9824 Sep 03 j 03:24	17°♋31'56	
max. Earth dist.	-9824 Sep 18 j 11:44	19°♋22'47	10.81840 AU
conjunction	-9824 Sep 19 j 12:50	19°♋30'24	2°25'35
minimum elong	-9824 Sep 19 j 12:52	19°♋30'24	2°26'09
morning rise	-9824 Oct 06 j 00:16	21°♋29'37	
retrograde	-9823 Jan 17 j 16:16	28°♋55'41	
opposition	-9823 Mar 29 j 09:22	25°♋33'40	2°54'31
min. Earth dist.	-9823 Mar 30 j 06:02	25°♋29'46	8.73988 AU
direct	-9823 Jun 06 j 21:42	22°♋13'28	
evening set	-9823 Sep 15 j 01:42	29°♋31'24	
	-9823 Sep 18 j 23:55	0°♌	
conjunction	-9823 Oct 01 j 13:54	1°♌32'51	2°16'45
minimum elong	-9823 Oct 01 j 13:57	1°♌32'51	2°17'16
max. Earth dist.	-9823 Sep 30 j 14:35	1°♌25'39	10.65638 AU
morning rise	-9823 Oct 18 j 05:17	3°♌35'21	
retrograde	-9822 Jan 31 j 01:18	11°♌14'53	
opposition	-9822 Apr 11 j 12:04	7°♌50'58	2°40'05
min. Earth dist.	-9822 Apr 12 j 06:13	7°♌47'30	8.57236 AU
direct	-9822 Jun 19 j 05:57	4°♌29'57	
evening set	-9822 Sep 27 j 10:50	11°♌57'11	
max. Earth dist.	-9822 Oct 13 j 07:03	13°♌55'49	10.48639 AU
conjunction	-9822 Oct 14 j 03:05	14°♌02'07	2°01'16
minimum elong	-9822 Oct 14 j 03:09	14°♌02'08	2°01'44
	-9822 Oct 21 j 19:25	15°♌	
morning rise	-9822 Oct 30 j 23:37	16°♌08'27	
retrograde	-9821 Feb 13 j 21:31	24°♌02'09	
opposition	-9821 Apr 25 j 00:26	20°♌36'17	2°17'16
min. Earth dist.	-9821 Apr 25 j 15:17	20°♌33'24	8.40073 AU
direct	-9821 Jul 02 j 00:23	17°♌14'19	
evening set	-9821 Oct 10 j 08:21	24°♌51'46	
conjunction	-9821 Oct 27 j 05:51	27°♌00'37	1°39'11
minimum elong	-9821 Oct 27 j 05:55	27°♌00'38	1°39'33
max. Earth dist.	-9821 Oct 26 j 15:05	26°♌55'53	10.31633 AU
morning rise	-9821 Nov 13 j 08:19	29°♌11'06	
	-9821 Nov 19 j 21:45	0°♍	
retrograde	-9820 Feb 28 j 05:34	7°♍19'02	
opposition	-9820 May 07 j 22:45	3°♍51'17	1°46'18
min. Earth dist.	-9820 May 08 j 08:44	3°♍49'19	8.23350 AU
direct	-9820 Jul 14 j 06:21	0°♍28'17	
evening set	-9820 Oct 22 j 19:36	8°♍16'26	
conjunction	-9820 Nov 08 j 23:01	10°♍29'24	1°11'01
minimum elong	-9820 Nov 08 j 23:05	10°♍29'25	1°11'16
max. Earth dist.	-9820 Nov 08 j 14:49	10°♍26'44	10.15509 AU
morning rise	-9820 Nov 26 j 07:51	12°♍44'11	
retrograde	-9819 Mar 14 j 01:46	21°♍05'36	
opposition	-9819 May 22 j 06:28	17°♍36'06	1°08'05
min. Earth dist.	-9819 May 22 j 10:31	17°♍35'17	8.08008 AU
direct	-9819 Jul 27 j 21:38	14°♍12'00	
evening set	-9819 Nov 05 j 21:35	22°♍10'53	
conjunction	-9819 Nov 23 j 07:12	24°♍27'51	0°37'51
minimum elong	-9819 Nov 23 j 07:14	24°♍27'52	0°37'59
max. Earth dist.	-9819 Nov 23 j 06:07	24°♍27'30	10.01223 AU
morning rise	-9819 Dec 10 j 22:26	26°♍46'44	
	-9818 Jan 06 j 02:27	0°♎	
retrograde	-9818 Mar 29 j 07:34	5°♎19'47	
opposition	-9818 Jun 05 j 22:14	1°♎48'50	0°24'21
min. Earth dist.	-9818 Jun 05 j 20:06	1°♎49'16	7.94998 AU
	-9818 Jun 29 j 08:58	30°℞♍	
direct	-9818 Aug 10 j 23:18	28°♍23'34	
	-9818 Sep 21 j 10:17	0°♎	
evening set	-9818 Nov 20 j 14:10	6°♎32'39	
conjunction	-9818 Dec 08 j 05:39	8°♎53'09	0°01'28
minimum elong	-9818 Dec 08 j 05:38	8°♎53'09	0°01'27
behind sun begin	-9818 Dec 07 j 22:20	8°♎50'44	
behind sun end	-9818 Dec 08 j 12:56	8°♎55'33	
max. Earth dist.	-9818 Dec 08 j 11:32	8°♎55'05	9.89685 AU
desc. node	-9818 Dec 22 j 23:05	10°♎50'43	
morning rise	-9818 Dec 26 j 02:41	11°♎15'32	
retrograde	-9817 Apr 13 j 19:29	19°♎57'21	
opposition	-9817 Jun 20 j 20:17	16°♎25'18	-0°22'14
min. Earth dist.	-9817 Jun 20 j 12:29	16°♎26'55	7.85169 AU
direct	-9817 Aug 25 j 11:21	12°♎58'51	
evening set	-9817 Dec 05 j 19:49	21°♎16'48	
conjunction	-9817 Dec 23 j 16:14	23°♎40'01	-0°35'50
minimum elong	-9817 Dec 23 j 16:11	23°♎40'00	0°36'00
max. Earth dist.	-9817 Dec 24 j 04:46	23°♎44'13	9.81650 AU
morning rise	-9816 Jan 10 j 17:49	26°♎04'55	
	-9816 Feb 11 j 09:52	0°♏	
retrograde	-9816 Apr 28 j 10:00	4°♏51'46	
opposition	-9816 Jul 04 j 21:58	1°♏19'05	-1°08'16
min. Earth dist.	-9816 Jul 04 j 09:32	1°♏21'40	7.79152 AU
	-9816 Jul 21 j 02:42	30°℞♎	
direct	-9816 Sep 08 j 08:07	27°♎51'29	
	-9816 Oct 26 j 05:30	0°♏	
evening set	-9816 Dec 20 j 11:54	6°♏16'16	
conjunction	-9815 Jan 07 j 12:03	8°♏41'08	-1°11'10

Attention, astronomical year style is used: The year -9815 in astronomical counting style is the year 9816 BCE in historical counting style.

minimum elong	-9815 Jan 07 j 12:00	8°♏41'07	1°11'28
max. Earth dist.	-9815 Jan 08 j 06:22	8°♏47'18	9.77623 AU
morning rise	-9815 Jan 25 j 16:34	11°♏07'22	
	-9815 Feb 25 j 21:38	15°♏	
retrograde	-9815 May 13 j 23:25	19°♏54'56	
min. Earth dist.	-9815 Jul 19 j 08:26	16°♏25'33	7.77291 AU
opposition	-9815 Jul 20 j 00:26	16°♏22'11	-1°50'05
	-9815 Aug 05 j 18:29	15°℞♏	
direct	-9815 Sep 23 j 10:45	12°♏53'36	
	-9815 Nov 10 j 00:13	15°♏	
evening set	-9814 Jan 05 j 10:38	21°♏22'36	
conjunction	-9814 Jan 23 j 13:09	23°♏47'57	-1°41'49
minimum elong	-9814 Jan 23 j 13:04	23°♏47'56	1°42'14
max. Earth dist.	-9814 Jan 24 j 12:07	23°♏55'41	9.77838 AU
morning rise	-9814 Feb 10 j 18:48	26°♏14'13	
	-9814 Mar 13 j 01:40	0°♐	
retrograde	-9814 May 29 j 07:48	4°♐58'05	
min. Earth dist.	-9814 Aug 03 j 06:09	1°♐29'48	7.79726 AU
opposition	-9814 Aug 04 j 00:54	1°♐25'51	-2°24'16
	-9814 Aug 21 j 12:59	30°℞♏	
direct	-9814 Oct 08 j 16:20	27°♏56'32	
	-9814 Nov 24 j 22:00	0°♐	
evening set	-9813 Jan 21 j 11:22	6°♐26'30	
conjunction	-9813 Feb 08 j 14:46	8°♐51'08	-2°05'24
minimum elong	-9813 Feb 08 j 14:42	8°♐51'06	2°05'54
max. Earth dist.	-9813 Feb 09 j 17:12	8°♐59'58	9.82371 AU
morning rise	-9813 Feb 26 j 19:51	11°♐16'09	
retrograde	-9813 Jun 13 j 08:17	19°♐51'57	
opposition	-9813 Aug 18 j 20:24	16°♐20'43	-2°48'15
min. Earth dist.	-9813 Aug 17 j 23:38	16°♐25'05	7.86387 AU
direct	-9813 Oct 23 j 21:52	12°♐50'58	
evening set	-9812 Feb 06 j 08:48	21°♐18'14	
conjunction	-9812 Feb 24 j 11:54	23°♐41'05	-2°20'20
minimum elong	-9812 Feb 24 j 11:52	23°♐41'04	2°20'54
max. Earth dist.	-9812 Feb 25 j 16:22	23°♐50'29	9.90999 AU
morning rise	-9812 Mar 13 j 15:08	26°♐03'49	
	-9812 Apr 15 j 04:01	0°♑	
retrograde	-9812 Jun 26 j 22:21	4°♑27'52	
min. Earth dist.	-9812 Aug 31 j 10:32	1°♑02'37	7.96855 AU
opposition	-9812 Sep 01 j 08:29	0°♑58'02	-3°00'41
	-9812 Sep 13 j 02:15	30°℞♐	
direct	-9812 Nov 06 j 23:54	27°♐28'10	
	-9812 Dec 30 j 19:11	0°♑	
evening set	-9811 Feb 20 j 22:08	5°♑49'19	
conjunction	-9811 Mar 11 j 00:04	8°♑09'35	-2°26'01
minimum elong	-9811 Mar 11 j 00:04	8°♑09'35	2°26'36
max. Earth dist.	-9811 Mar 12 j 04:59	8°♑19'00	10.03131 AU
morning rise	-9811 Mar 29 j 00:36	10°♑29'16	
retrograde	-9811 Jul 11 j 00:18	18°♑39'02	
opposition	-9811 Sep 15 j 11:20	15°♑10'56	-3°01'31
min. Earth dist.	-9811 Sep 14 j 13:39	15°♑15'25	8.10390 AU
direct	-9811 Nov 21 j 19:42	11°♑41'17	
evening set	-9810 Mar 08 j 00:02	19°♑53'35	
conjunction	-9810 Mar 26 j 00:04	22°♑10'45	-2°22'48
minimum elong	-9810 Mar 26 j 00:06	22°♑10'45	2°23'21
max. Earth dist.	-9810 Mar 27 j 03:34	22°♑19'32	10.17916 AU
morning rise	-9810 Apr 12 j 21:19	24°♑26'57	
	-9810 Jun 02 j 18:08	0°♒	
retrograde	-9810 Jul 24 j 12:35	2°♒21'08	
	-9810 Sep 15 j 15:41	30°℞♑	
min. Earth dist.	-9810 Sep 28 j 08:05	28°♑59'03	8.26092 AU
opposition	-9810 Sep 29 j 03:56	28°♑55'00	-2°51'48
direct	-9810 Dec 06 j 06:55	25°♑25'54	
	-9809 Feb 20 j 15:27	0°♒	
evening set	-9809 Mar 22 j 12:04	3°♒27'30	
conjunction	-9809 Apr 09 j 09:40	5°♒41'18	-2°11'41
minimum elong	-9809 Apr 09 j 09:43	5°♒41'19	2°12'11
max. Earth dist.	-9809 Apr 10 j 10:02	5°♒48'56	10.34405 AU
morning rise	-9809 Apr 27 j 03:25	7°♒53'50	
	-9809 Jul 13 j 04:11	15°♒	
retrograde	-9809 Aug 06 j 12:36	15°♒32'24	
	-9809 Aug 30 j 23:18	15°℞♒	
opposition	-9809 Oct 12 j 10:11	12°♒08'19	-2°33'13
min. Earth dist.	-9809 Oct 11 j 17:34	12°♒11'39	8.43013 AU
direct	-9809 Dec 20 j 07:22	8°♒40'03	
	-9808 Mar 22 j 16:13	15°♒	
evening set	-9808 Apr 04 j 09:13	16°♒30'01	
conjunction	-9808 Apr 22 j 03:58	18°♒40'24	-1°54'05
minimum elong	-9808 Apr 22 j 04:01	18°♒40'25	1°54'30
max. Earth dist.	-9808 Apr 22 j 23:34	18°♒46'26	10.51638 AU
morning rise	-9808 May 09 j 18:12	20°♒49'20	
retrograde	-9808 Aug 18 j 00:18	28°♒13'09	
opposition	-9808 Oct 24 j 06:17	24°♒51'05	-2°07'45
min. Earth dist.	-9808 Oct 23 j 17:32	24°♒53'36	8.60227 AU
direct	-9807 Jan 01 j 21:33	21°♒23'53	
evening set	-9807 Apr 17 j 16:08	29°♒02'11	
	-9807 Apr 25 j 18:01	0°♓	
conjunction	-9807 May 05 j 07:39	1°♓09'15	-1°31'35
minimum elong	-9807 May 05 j 07:43	1°♓09'16	1°31'55
max. Earth dist.	-9807 May 05 j 21:13	1°♓13'21	10.68715 AU
morning rise	-9807 May 22 j 18:18	3°♓14'47	
retrograde	-9807 Aug 29 j 23:56	10°♓25'23	
opposition	-9807 Nov 05 j 17:01	7°♓05'12	-1°37'25
min. Earth dist.	-9807 Nov 05 j 07:57	7°♓06'58	8.76888 AU
direct	-9806 Jan 15 j 02:19	3°♓39'13	
evening set	-9806 Apr 30 j 09:37	11°♓06'30	
conjunction	-9806 May 17 j 21:42	13°♓10'26	-1°05'42
minimum elong	-9806 May 17 j 21:45	13°♓10'27	1°05'56
max. Earth dist.	-9806 May 18 j 05:53	13°♓12'52	10.84852 AU
morning rise	-9806 Jun 04 j 04:36	15°♓12'49	
retrograde	-9806 Sep 10 j 17:14	22°♓12'14	
opposition	-9806 Nov 17 j 19:54	18°♓53'45	-1°04'01
min. Earth dist.	-9806 Nov 17 j 14:29	18°♓54'47	8.92280 AU
direct	-9805 Jan 27 j 19:59	15°♓29'05	
evening set	-9805 May 12 j 15:00	22°♓46'21	
conjunction	-9805 May 29 j 23:29	24°♓47'29	-0°37'49
minimum elong	-9805 May 29 j 23:31	24°♓47'29	0°37'57
max. Earth dist.	-9805 May 30 j 02:58	24°♓48'30	10.99389 AU
morning rise	-9805 Jun 16 j 02:31	26°♓47'02	
	-9805 Jul 16 j 03:49	0°♈	
retrograde	-9805 Sep 22 j 03:13	3°♈37'29	
opposition	-9805 Nov 29 j 16:12	0°♈20'26	-0°29'08
min. Earth dist.	-9805 Nov 29 j 15:19	0°♈20'36	9.05814 AU
	-9805 Dec 04 j 04:48	30°℞♓	
direct	-9804 Feb 09 j 03:08	26°♓57'07	
	-9804 Apr 13 j 12:07	0°♈	
evening set	-9804 May 23 j 10:26	4°♈05'49	
conjunction	-9804 Jun 09 j 15:03	6°♈04'26	-0°09'10
minimum elong	-9804 Jun 09 j 15:03	6°♈04'26	0°09'11
behind sun begin	-9804 Jun 09 j 09:05	6°♈02'44	
behind sun end	-9804 Jun 09 j 21:02	6°♈06'09	
max. Earth dist.	-9804 Jun 09 j 13:13	6°♈03'55	11.11796 AU
morning rise	-9804 Jun 26 j 14:19	8°♈01'36	

Attention, astronomical year style is used: The year -9804 in astronomical counting style is the year 9805 BCE in historical counting style.

retrograde	-9804 Oct 02 j 07:43	14°♈45'18	
asc. node	-9804 Oct 07 j 22:52	14°♈43'42	
opposition	-9804 Dec 10 j 07:17	11°♈29'28	0°05'55
min. Earth dist.	-9804 Dec 10 j 11:28	11°♈28'41	9.17024 AU
direct	-9803 Feb 20 j 03:19	8°♈07'23	
evening set	-9803 Jun 03 j 21:42	15°♈09'09	
conjunction	-9803 Jun 20 j 22:14	17°♈05'39	0°19'21
minimum elong	-9803 Jun 20 j 22:14	17°♈05'39	0°19'27
max. Earth dist.	-9803 Jun 20 j 14:23	17°♈03'25	11.21667 AU
morning rise	-9803 Jul 07 j 18:00	19°♈00'50	
retrograde	-9803 Oct 13 j 08:23	25°♈40'07	
opposition	-9803 Dec 21 j 19:00	22°♈25'08	0°40'01
min. Earth dist.	-9803 Dec 22 j 03:21	22°♈23'36	9.25543 AU
direct	-9802 Mar 03 j 21:01	19°♈04'14	
evening set	-9802 Jun 15 j 02:20	26°♈00'42	
conjunction	-9802 Jul 01 j 22:59	27°♈55'29	0°46'39
minimum elong	-9802 Jul 01 j 22:58	27°♈55'29	0°46'52
max. Earth dist.	-9802 Jul 01 j 10:34	27°♈51'56	11.28693 AU
morning rise	-9802 Jul 18 j 15:22	29°♈49'07	
	-9802 Jul 20 j 06:22	0°♉	
retrograde	-9802 Oct 24 j 09:19	6°♉26'17	
opposition	-9801 Jan 02 j 04:44	3°♉11'49	1°12'12
min. Earth dist.	-9801 Jan 02 j 16:09	3°♉09'44	9.31104 AU
	-9801 Mar 02 j 05:28	30°℞♈	
direct	-9801 Mar 15 j 10:56	29°♈51'56	
	-9801 Mar 28 j 13:33	0°♉	
evening set	-9801 Jun 26 j 02:26	6°♉44'46	
conjunction	-9801 Jul 12 j 19:31	8°♉38'18	1°12'04
minimum elong	-9801 Jul 12 j 19:29	8°♉38'17	1°12'22
max. Earth dist.	-9801 Jul 12 j 03:58	8°♉33'52	11.32658 AU
morning rise	-9801 Jul 29 j 08:43	10°♉30'51	
	-9801 Sep 13 j 05:11	15°♉	
retrograde	-9801 Nov 04 j 11:21	17°♉08'01	
	-9801 Dec 29 j 01:28	15°℞♉	
opposition	-9800 Jan 13 j 13:58	13°♉53'44	1°41'38
min. Earth dist.	-9800 Jan 14 j 05:03	13°♉51'00	9.33537 AU
direct	-9800 Mar 25 j 19:12	10°♉34'42	
	-9800 Jun 13 j 04:41	15°♉	
evening set	-9800 Jul 05 j 23:50	17°♉25'35	
conjunction	-9800 Jul 22 j 13:32	19°♉18'20	1°34'51
minimum elong	-9800 Jul 22 j 13:29	19°♉18'19	1°35'15
max. Earth dist.	-9800 Jul 21 j 17:58	19°♉12'44	11.33444 AU
morning rise	-9800 Aug 08 j 00:08	21°♉10'19	
retrograde	-9800 Nov 14 j 13:48	27°♉49'35	
opposition	-9799 Jan 24 j 00:25	24°♉35'08	2°07'31
min. Earth dist.	-9799 Jan 24 j 19:13	24°♉31'44	9.32765 AU
direct	-9799 Apr 06 j 02:11	21°♉16'40	
evening set	-9799 Jul 16 j 20:09	28°♉07'19	
max. Earth dist.	-9799 Aug 01 j 07:42	29°♉53'05	11.31026 AU
conjunction	-9799 Aug 02 j 06:53	29°♉59'44	1°54'22
minimum elong	-9799 Aug 02 j 06:50	29°♉59'43	1°54'50
	-9799 Aug 02 j 07:49	0°♊	
morning rise	-9799 Aug 18 j 15:36	1°♊51'39	
retrograde	-9799 Nov 25 j 20:58	8°♊35'07	
opposition	-9798 Feb 04 j 13:23	5°♊20'06	2°29'09
min. Earth dist.	-9798 Feb 05 j 10:34	5°♊16'16	9.28794 AU
direct	-9798 Apr 17 j 10:08	2°♊01'58	
evening set	-9798 Jul 27 j 17:05	8°♊53'57	
max. Earth dist.	-9798 Aug 12 j 01:09	10°♊39'29	11.25458 AU
conjunction	-9798 Aug 13 j 01:48	10°♊46'36	2°09'59
minimum elong	-9798 Aug 13 j 01:45	10°♊46'36	2°10'31
morning rise	-9798 Aug 29 j 09:14	12°♊39'02	
retrograde	-9798 Dec 07 j 09:50	19°♊28'38	
opposition	-9797 Feb 16 j 06:09	16°♊12'41	2°45'46
min. Earth dist.	-9797 Feb 17 j 04:21	16°♊08'39	9.21713 AU
direct	-9797 Apr 28 j 18:25	12°♊54'38	
evening set	-9797 Aug 07 j 16:20	19°♊49'31	
conjunction	-9797 Aug 23 j 23:55	21°♊43'01	2°21'06
minimum elong	-9797 Aug 23 j 23:53	21°♊43'00	2°21'40
max. Earth dist.	-9797 Aug 22 j 22:11	21°♊35'30	11.16860 AU
morning rise	-9797 Sep 09 j 06:59	23°♊36'30	
	-9797 Nov 22 j 15:37	0°♋	
retrograde	-9797 Dec 19 j 07:09	0°♋34'07	
	-9796 Jan 15 j 06:40	30°℞♊	
opposition	-9796 Feb 28 j 04:13	27°♊16'57	2°56'38
min. Earth dist.	-9796 Feb 29 j 03:20	27°♊12'43	9.11670 AU
direct	-9796 May 09 j 05:26	23°♊58'42	
	-9796 Aug 09 j 08:03	0°♋	
evening set	-9796 Aug 17 j 19:51	0°♋58'06	
max. Earth dist.	-9796 Sep 01 j 23:44	2°♋44'54	11.05434 AU
conjunction	-9796 Sep 03 j 03:07	2°♋53'00	2°27'06
minimum elong	-9796 Sep 03 j 03:06	2°♋53'00	2°27'40
morning rise	-9796 Sep 19 j 11:04	4°♋48'13	
retrograde	-9796 Dec 30 j 10:48	11°♋55'42	
opposition	-9795 Mar 11 j 08:54	8°♋37'00	3°01'03
min. Earth dist.	-9795 Mar 12 j 08:57	8°♋32'33	8.98922 AU
direct	-9795 May 20 j 19:32	5°♋18'20	
evening set	-9795 Aug 29 j 05:22	12°♋23'51	
max. Earth dist.	-9795 Sep 13 j 10:10	14°♋12'34	10.91522 AU
conjunction	-9795 Sep 14 j 13:34	14°♋20'48	2°27'26
minimum elong	-9795 Sep 14 j 13:35	14°♋20'48	2°28'00
morning rise	-9795 Sep 30 j 23:37	16°♋18'24	
retrograde	-9794 Jan 12 j 01:25	23°♋37'31	
opposition	-9794 Mar 23 j 21:31	20°♋17'01	2°58'16
min. Earth dist.	-9794 Mar 24 j 20:51	20°♋12'39	8.83911 AU
direct	-9794 Jun 01 j 17:56	16°♋57'41	
evening set	-9794 Sep 09 j 22:38	24°♋10'45	
max. Earth dist.	-9794 Sep 25 j 08:03	26°♋02'44	10.75648 AU
conjunction	-9794 Sep 26 j 09:16	26°♋10'27	2°21'36
minimum elong	-9794 Sep 26 j 09:18	26°♋10'28	2°22'09
morning rise	-9794 Oct 12 j 22:34	28°♋11'04	
	-9794 Oct 28 j 12:29	0°♌	
retrograde	-9793 Jan 25 j 04:28	5°♌43'12	
opposition	-9793 Apr 05 j 18:58	2°♌20'42	2°47'41
min. Earth dist.	-9793 Apr 06 j 15:45	2°♌16'46	8.67253 AU
	-9793 May 10 j 02:44	30°℞♋	
direct	-9793 Jun 13 j 22:30	29°♋00'32	
	-9793 Jul 17 j 20:52	0°♌	
evening set	-9793 Sep 22 j 01:54	6°♌22'24	
conjunction	-9793 Oct 08 j 16:08	8°♌25'24	2°09'16
minimum elong	-9793 Oct 08 j 16:11	8°♌25'25	2°09'45
max. Earth dist.	-9793 Oct 07 j 18:05	8°♌18'32	10.58490 AU
morning rise	-9793 Oct 25 j 09:50	10°♌29'37	
	-9793 Dec 05 j 05:53	15°♌	
retrograde	-9792 Feb 07 j 18:41	18°♌15'43	
	-9792 Apr 16 j 03:34	15°℞♌	
opposition	-9792 Apr 18 j 01:53	14°♌51'06	2°28'53
min. Earth dist.	-9792 Apr 18 j 18:55	14°♌47'49	8.49690 AU
direct	-9792 Jun 25 j 11:33	11°♌29'52	
	-9792 Aug 29 j 07:47	15°♌	
evening set	-9792 Oct 03 j 16:44	19°♌01'38	
conjunction	-9792 Oct 20 j 11:35	21°♌08'24	1°50'19

Attention, astronomical year style is used: The year -9792 in astronomical counting style is the year 9793 BCE in historical counting style.

minimum elong	-9792 Oct 20 j 11:39	21°♌08'25	1°50'44	
max. Earth dist.	-9792 Oct 19 j 17:05	21°♌02'32	10.40848 AU	
morning rise	-9792 Nov 06 j 10:53	23°♌16'40		
	-9791 Jan 12 j 13:57	0°♍		
retrograde	-9791 Feb 20 j 21:20	1°♍17'10		
	-9791 Apr 01 j 20:51	30°℞♌		
opposition	-9791 May 01 j 18:57	27°♌50'25	2°01'48	
min. Earth dist.	-9791 May 02 j 07:48	27°♌47'54	8.32080 AU	
direct	-9791 Jul 08 j 10:44	24°♌27'59		
	-9791 Sep 29 j 01:51	0°♍		
evening set	-9791 Oct 16 j 20:38	2°♍10'21		
conjunction	-9791 Nov 02 j 20:59	4°♍21'13	1°25'00	
minimum elong	-9791 Nov 02 j 21:03	4°♍21'14	1°25'19	
max. Earth dist.	-9791 Nov 02 j 07:20	4°♍16'49	10.23609 AU	
morning rise	-9791 Nov 20 j 02:43	6°♍33'50		
retrograde	-9790 Mar 07 j 11:55	14°♍48'25		
opposition	-9790 May 15 j 21:47	11°♍19'38	1°26'58	
min. Earth dist.	-9790 May 16 j 05:59	11°♍18'00	8.15354 AU	
direct	-9790 Jul 21 j 20:08	7°♍55'52		
evening set	-9790 Oct 30 j 14:58	15°♍49'15		
conjunction	-9790 Nov 16 j 21:27	18°♍04'16	0°54'07	
minimum elong	-9790 Nov 16 j 21:30	18°♍04'17	0°54'18	
max. Earth dist.	-9790 Nov 16 j 14:02	18°♍01'50	10.07711 AU	
morning rise	-9790 Dec 04 j 09:47	20°♍21'12		
retrograde	-9789 Mar 22 j 12:08	28°♍48'38		
opposition	-9789 May 30 j 09:18	25°♍18'02	0°45'42	
min. Earth dist.	-9789 May 30 j 12:13	25°♍17'27	8.00483 AU	
direct	-9789 Aug 04 j 17:16	21°♍52'54		
evening set	-9789 Nov 14 j 00:02	29°♍57'09		
	-9789 Nov 14 j 08:48	0°♎		
conjunction	-9789 Dec 01 j 12:41	2°♎16'03	0°19'04	
minimum elong	-9789 Dec 01 j 12:42	2°♎16'03	0°19'07	
max. Earth dist.	-9789 Dec 01 j 12:44	2°♎16'04	9.94114 AU	
morning rise	-9789 Dec 19 j 07:11	4°♎36'54		
retrograde	-9788 Apr 05 j 19:57	13°♎14'59		
opposition	-9788 Jun 13 j 04:23	9°♎42'56	0°00'09	
min. Earth dist.	-9788 Jun 13 j 01:23	9°♎43'33	7.88411 AU	
desc. node	-9788 Jun 14 j 08:32	9°♎37'09		
direct	-9788 Aug 18 j 01:21	6°♎16'29		
evening set	-9788 Nov 27 j 23:06	14°♎30'39		
conjunction	-9788 Dec 15 j 17:23	16°♎52'50	-0°18'08	
minimum elong	-9788 Dec 15 j 17:22	16°♎52'49	0°18'13	
max. Earth dist.	-9788 Dec 16 j 01:30	16°♎55'33	9.83723 AU	
morning rise	-9787 Jan 02 j 17:04	19°♎16'49		
retrograde	-9787 Apr 21 j 09:02	28°♎02'17		
opposition	-9787 Jun 28 j 04:42	24°♎29'15	-0°46'37	
min. Earth dist.	-9787 Jun 27 j 19:34	24°♎31'09	7.79972 AU	
direct	-9787 Sep 01 j 18:19	21°♎01'34		
evening set	-9787 Dec 13 j 10:39	29°♎23'58		
	-9787 Dec 17 j 23:04	0°♏		
conjunction	-9787 Dec 31 j 09:27	1°♏48'27	-0°54'44	
minimum elong	-9787 Dec 31 j 09:24	1°♏48'26	0°54'58	
max. Earth dist.	-9786 Jan 01 j 01:04	1°♏53'44	9.77284 AU	
morning rise	-9786 Jan 18 j 12:51	4°♏14'27		
retrograde	-9786 May 06 j 23:34	13°♏03'06		
opposition	-9786 Jul 13 j 07:22	9°♏29'38	-1°30'57	
min. Earth dist.	-9786 Jul 12 j 16:52	9°♏32'41	7.75780 AU	
direct	-9786 Sep 16 j 17:53	6°♏00'52		
evening set	-9786 Dec 29 j 07:11	14°♏29'01		
	-9785 Jan 02 j 04:23	15°♏		
conjunction	-9785 Jan 16 j 09:02	16°♏54'36	-1°27'59	
minimum elong	-9785 Jan 16 j 08:58	16°♏54'34	1°28'20	
max. Earth dist.	-9785 Jan 17 j 07:03	17°♏02'02	9.75285 AU	
morning rise	-9785 Feb 03 j 14:21	19°♏21'17		
retrograde	-9785 May 22 j 11:47	28°♏08'24		
opposition	-9785 Jul 28 j 09:37	24°♏35'07	-2°09'13	
min. Earth dist.	-9785 Jul 27 j 14:56	24°♏39'04	7.76148 AU	
direct	-9785 Oct 01 j 21:38	21°♏05'30		
evening set	-9784 Jan 14 j 07:51	29°♏36'08		
	-9784 Jan 17 j 08:03	0°♐		
conjunction	-9784 Feb 01 j 11:11	2°♐01'31	-1°55'12	
minimum elong	-9784 Feb 01 j 11:07	2°♐01'29	1°55'40	
max. Earth dist.	-9784 Feb 02 j 14:09	2°♐10'35	9.77890 AU	
morning rise	-9784 Feb 19 j 16:40	4°♐27'31		
retrograde	-9784 Jun 05 j 18:04	13°♐08'27		
min. Earth dist.	-9784 Aug 10 j 10:49	9°♐40'30	7.81049 AU	
opposition	-9784 Aug 11 j 08:12	9°♐35'58	-2°38'19	
direct	-9784 Oct 16 j 03:37	6°♐05'48		
evening set	-9783 Jan 29 j 07:45	14°♐35'20		
conjunction	-9783 Feb 16 j 11:15	16°♐59'21	-2°14'23	
minimum elong	-9783 Feb 16 j 11:12	16°♐59'20	2°14'55	
max. Earth dist.	-9783 Feb 17 j 17:04	17°♐09'16	9.84912 AU	
morning rise	-9783 Mar 06 j 15:30	19°♐23'29		
retrograde	-9783 Jun 20 j 14:17	27°♐54'05		
min. Earth dist.	-9783 Aug 25 j 01:59	24°♐27'39	7.90109 AU	
opposition	-9783 Aug 26 j 00:18	24°♐22'57	-2°56'19	
direct	-9783 Oct 31 j 08:01	20°♐52'36		
evening set	-9782 Feb 14 j 01:49	29°♐17'29		
	-9782 Feb 19 j 13:17	0°♑		
conjunction	-9782 Mar 04 j 04:25	1°♑39'12	-2°24'28	
minimum elong	-9782 Mar 04 j 04:24	1°♑39'11	2°25'02	
max. Earth dist.	-9782 Mar 05 j 10:41	1°♑49'07	9.95824 AU	
morning rise	-9782 Mar 22 j 06:23	4°♑00'34		
retrograde	-9782 Jul 04 j 22:07	12°♑17'46		
min. Earth dist.	-9782 Sep 08 j 09:57	8°♑53'01	8.02663 AU	
opposition	-9782 Sep 09 j 08:01	8°♑48'25	-3°02'32	
direct	-9782 Nov 15 j 07:46	5°♑18'17		
evening set	-9781 Mar 01 j 09:43	13°♑35'26		
conjunction	-9781 Mar 19 j 10:36	15°♑54'12	-2°25'20	
minimum elong	-9781 Mar 19 j 10:37	15°♑54'12	2°25'54	
max. Earth dist.	-9781 Mar 20 j 15:29	16°♑03'31	10.09848 AU	
morning rise	-9781 Apr 06 j 09:36	18°♑12'13		
retrograde	-9781 Jul 18 j 16:10	26°♑14'12		
min. Earth dist.	-9781 Sep 22 j 08:46	22°♑51'17	8.17857 AU	
opposition	-9781 Sep 23 j 05:49	22°♑46'57	-2°57'34	
direct	-9781 Nov 29 j 23:55	19°♑17'26		
evening set	-9780 Mar 15 j 04:41	27°♑24'34		
conjunction	-9780 Apr 02 j 03:24	29°♑40'02	-2°17'45	
minimum elong	-9780 Apr 02 j 03:27	29°♑40'03	2°18'17	
max. Earth dist.	-9780 Apr 03 j 05:37	29°♑48'20	10.26067 AU	
	-9780 Apr 04 j 18:29	0°♒		
morning rise	-9780 Apr 19 j 23:04	1°♒54'24		
retrograde	-9780 Jul 30 j 22:09	9°♒40'36		
opposition	-9780 Oct 05 j 17:05	6°♒15'35	-2°42'50	
min. Earth dist.	-9780 Oct 04 j 21:51	6°♒19'28	8.34743 AU	
direct	-9780 Dec 13 j 05:28	2°♒47'00		
evening set	-9779 Mar 29 j 09:19	10°♒42'46		
conjunction	-9779 Apr 16 j 05:30	12°♒54'49	-2°02'57	
minimum elong	-9779 Apr 16 j 05:34	12°♒54'50	2°03'25	
max. Earth dist.	-9779 Apr 17 j 04:04	13°♒01'50	10.43497 AU	
morning rise	-9779 May 03 j 21:35	15°♒05'30		
	-9779 May 03 j 03:29	15°♒		

Attention, astronomical year style is used: The year -9779 in astronomical counting style is the year 9780 BCE in historical counting style.

retrograde	-9779 Aug 12 j 16:22	22°♒36'22	
opposition	-9779 Oct 18 j 18:09	19°♒13'34	-2°20'16
min. Earth dist.	-9779 Oct 18 j 01:46	19°♒16'49	8.52350 AU
direct	-9779 Dec 27 j 00:52	15°♒46'11	
evening set	-9778 Apr 11 j 23:24	23°♒30'09	
conjunction	-9778 Apr 29 j 16:37	25°♒38'46	-1°42'31
minimum elong	-9778 Apr 29 j 16:41	25°♒38'47	1°42'53
max. Earth dist.	-9778 Apr 30 j 10:57	25°♒44'21	10.61171 AU
morning rise	-9778 May 17 j 04:54	27°♒45'53	
	-9778 Jun 05 j 15:50	0°♓	
retrograde	-9778 Aug 24 j 22:52	5°♓02'41	
opposition	-9778 Oct 31 j 09:39	1°♓42'01	-1°51'55
min. Earth dist.	-9778 Oct 30 j 21:33	1°♓44'23	8.69770 AU
	-9778 Nov 23 j 04:58	30°℞♒	
direct	-9777 Jan 09 j 09:44	28°♒15'56	
	-9777 Feb 25 j 02:43	0°♓	
evening set	-9777 Apr 24 j 23:34	5°♓48'23	
conjunction	-9777 May 12 j 13:24	7°♓53'45	-1°17'59
minimum elong	-9777 May 12 j 13:27	7°♓53'46	1°18'16
max. Earth dist.	-9777 May 13 j 02:01	7°♓57'32	10.78218 AU
morning rise	-9777 May 29 j 21:56	9°♓57'32	
retrograde	-9777 Sep 05 j 20:24	17°♓02'02	
opposition	-9777 Nov 12 j 16:31	13°♓43'17	-1°19'41
min. Earth dist.	-9777 Nov 12 j 09:19	13°♓44'40	8.86188 AU
direct	-9776 Jan 22 j 07:34	10°♓18'33	
evening set	-9776 May 06 j 10:54	17°♓40'22	
conjunction	-9776 May 23 j 21:03	19°♓42'44	-0°50'50
minimum elong	-9776 May 23 j 21:05	19°♓42'44	0°51'01
max. Earth dist.	-9776 May 24 j 02:55	19°♓44'27	10.93858 AU
morning rise	-9776 Jun 10 j 01:57	21°♓43'31	
retrograde	-9776 Sep 16 j 07:41	28°♓37'52	
opposition	-9776 Nov 23 j 15:56	25°♓20'43	-0°45'17
min. Earth dist.	-9776 Nov 23 j 13:28	25°♓21'11	9.00857 AU
direct	-9775 Feb 02 j 20:51	21°♓57'19	
evening set	-9775 May 18 j 11:16	29°♓09'51	
	-9775 May 25 j 18:07	0°♈	
conjunction	-9775 Jun 04 j 17:35	1°♈09'32	-0°22'22
minimum elong	-9775 Jun 04 j 17:36	1°♈09'33	0°22'26
max. Earth dist.	-9775 Jun 04 j 17:04	1°♈09'23	11.07406 AU
morning rise	-9775 Jun 21 j 18:44	3°♈07'44	
retrograde	-9775 Sep 27 j 15:02	9°♈54'17	
opposition	-9775 Dec 05 j 09:27	6°♈38'26	-0°10'09
min. Earth dist.	-9775 Dec 05 j 11:07	6°♈38'07	9.13175 AU
direct	-9774 Feb 15 j 02:14	3°♈16'18	
asc. node	-9774 Mar 23 j 23:42	4°♈19'24	
evening set	-9774 May 30 j 02:24	10°♈21'09	
conjunction	-9774 Jun 16 j 04:54	12°♈18'33	0°06'23
minimum elong	-9774 Jun 16 j 04:53	12°♈18'33	0°06'27
behind sun begin	-9774 Jun 15 j 22:16	12°♈16'40	
behind sun end	-9774 Jun 16 j 11:31	12°♈20'26	
max. Earth dist.	-9774 Jun 15 j 23:37	12°♈17'03	11.18374 AU
morning rise	-9774 Jul 03 j 02:14	14°♈14'33	
retrograde	-9774 Oct 08 j 19:11	20°♈55'40	
opposition	-9774 Dec 16 j 22:55	17°♈40'46	0°24'31
min. Earth dist.	-9774 Dec 17 j 05:13	17°♈39'37	9.22769 AU
direct	-9773 Feb 26 j 21:40	14°♈19'48	
evening set	-9773 Jun 10 j 10:09	21°♈18'33	
conjunction	-9773 Jun 27 j 08:44	23°♈14'05	0°34'18
minimum elong	-9773 Jun 27 j 08:42	23°♈14'05	0°34'28
max. Earth dist.	-9773 Jun 26 j 22:21	23°♈11'07	11.26473 AU
morning rise	-9773 Jul 14 j 02:32	25°♈08'22	
	-9773 Sep 02 j 17:50	0°♉	
retrograde	-9773 Oct 19 j 19:27	1°♉46'18	
	-9773 Dec 07 j 14:16	30°℞♈	
opposition	-9773 Dec 28 j 09:40	28°♈31'59	0°57'41
min. Earth dist.	-9773 Dec 28 j 20:57	28°♈29'55	9.29405 AU
direct	-9772 Mar 09 j 13:11	25°♈11'55	
	-9772 May 31 j 21:39	0°♉	
evening set	-9772 Jun 20 j 12:34	2°♉06'20	
conjunction	-9772 Jul 07 j 07:13	4°♉00'24	1°00'40
minimum elong	-9772 Jul 07 j 07:11	4°♉00'23	1°00'56
max. Earth dist.	-9772 Jul 06 j 15:18	3°♉55'51	11.31517 AU
morning rise	-9772 Jul 23 j 21:54	5°♉53'24	
retrograde	-9772 Oct 29 j 19:36	12°♉30'20	
opposition	-9771 Jan 07 j 18:59	9°♉16'11	1°28'29
min. Earth dist.	-9771 Jan 08 j 10:09	9°♉13'26	9.32923 AU
direct	-9771 Mar 21 j 00:43	5°♉56'50	
evening set	-9771 Jul 01 j 11:10	12°♉48'33	
max. Earth dist.	-9771 Jul 17 j 06:51	14°♉36'03	11.33394 AU
conjunction	-9771 Jul 18 j 02:19	14°♉41'37	1°24'44
minimum elong	-9771 Jul 18 j 02:16	14°♉41'36	1°25'06
	-9771 Jul 20 j 18:43	15°♉	
morning rise	-9771 Aug 03 j 14:10	16°♉33'49	
retrograde	-9771 Nov 09 j 21:22	23°♉11'55	
opposition	-9770 Jan 19 j 04:46	19°♉57'32	1°56'06
min. Earth dist.	-9770 Jan 19 j 22:28	19°♉54'19	9.33237 AU
direct	-9770 Apr 01 j 09:37	16°♉38'41	
evening set	-9770 Jul 12 j 07:34	23°♉29'19	
conjunction	-9770 Jul 28 j 19:46	25°♉21'51	1°45'50
minimum elong	-9770 Jul 28 j 19:43	25°♉21'51	1°46'16
max. Earth dist.	-9770 Jul 27 j 21:58	25°♉15'37	11.32058 AU
morning rise	-9770 Aug 14 j 05:12	27°♉13'46	
	-9770 Sep 09 j 09:26	0°♊	
retrograde	-9770 Nov 21 j 03:22	3°♊55'05	
opposition	-9769 Jan 30 j 16:19	0°♊40'07	2°19'47
min. Earth dist.	-9769 Jan 31 j 12:30	0°♊36'28	9.30348 AU
	-9769 Feb 08 j 23:09	30°℞♉	
direct	-9769 Apr 12 j 16:44	27°♉21'33	
	-9769 Jun 11 j 06:01	0°♊	
evening set	-9769 Jul 23 j 03:55	4°♊12'45	
conjunction	-9769 Aug 08 j 13:36	6°♊05'18	2°03'19
minimum elong	-9769 Aug 08 j 13:33	6°♊05'17	2°03'49
max. Earth dist.	-9769 Aug 07 j 12:49	5°♊58'10	11.27564 AU
morning rise	-9769 Aug 24 j 21:30	7°♊57'28	
retrograde	-9769 Dec 02 j 11:43	14°♊43'59	
opposition	-9768 Feb 11 j 06:52	11°♊28'07	2°38'49
min. Earth dist.	-9768 Feb 12 j 05:49	11°♊23'57	9.24352 AU
direct	-9768 Apr 22 j 23:09	8°♊09'34	
evening set	-9768 Aug 02 j 01:46	15°♊03'02	
max. Earth dist.	-9768 Aug 17 j 06:43	16°♊48'17	11.20057 AU
conjunction	-9768 Aug 18 j 09:41	16°♊56'08	2°16'35
minimum elong	-9768 Aug 18 j 09:39	16°♊56'07	2°17'08
morning rise	-9768 Sep 03 j 16:57	18°♊49'08	
retrograde	-9768 Dec 13 j 03:56	25°♊42'50	
opposition	-9767 Feb 22 j 02:07	22°♊25'45	2°52'28
min. Earth dist.	-9767 Feb 23 j 02:13	22°♊21'21	9.15425 AU
direct	-9767 May 04 j 09:53	19°♊07'02	
evening set	-9767 Aug 13 j 02:41	26°♊04'19	
max. Earth dist.	-9767 Aug 28 j 07:04	27°♊50'38	11.09758 AU
conjunction	-9767 Aug 29 j 09:59	27°♊58'34	2°25'02
minimum elong	-9767 Aug 29 j 09:58	27°♊58'33	2°25'37
morning rise	-9767 Sep 14 j 17:28	29°♊52'59	

Attention, astronomical year style is used: The year -9767 in astronomical counting style is the year 9768 BCE in historical counting style.

	-9767 Sep 15 j 17:51	0°♋	
retrograde	-9767 Dec 25 j 03:59	6°♋55'47	
opposition	-9766 Mar 06 j 03:23	3°♋37'13	2°59'59
min. Earth dist.	-9766 Mar 07 j 02:56	3°♋32'53	9.03834 AU
direct	-9766 May 15 j 22:44	0°♋18'11	
evening set	-9766 Aug 24 j 08:52	7°♋20'48	
conjunction	-9766 Sep 09 j 16:41	9°♋16'49	2°28'05
minimum elong	-9766 Sep 09 j 16:41	9°♋16'49	2°28'39
max. Earth dist.	-9766 Sep 08 j 14:25	9°♋08'59	10.96987 AU
morning rise	-9766 Sep 26 j 01:31	11°♋13'18	
retrograde	-9765 Jan 06 j 14:40	18°♋26'53	
opposition	-9765 Mar 18 j 11:48	15°♋06'39	3°00'38
min. Earth dist.	-9765 Mar 19 j 10:18	15°♋02'27	8.89956 AU
direct	-9765 May 27 j 16:34	11°♋47'06	
evening set	-9765 Sep 04 j 22:07	18°♋56'33	
max. Earth dist.	-9765 Sep 20 j 05:42	20°♋47'08	10.82181 AU
conjunction	-9765 Sep 21 j 07:30	20°♋54'58	2°25'11
minimum elong	-9765 Sep 21 j 07:32	20°♋54'58	2°25'44
morning rise	-9765 Oct 07 j 19:07	22°♋54'10	
	-9765 Dec 30 j 07:23	0°♌	
retrograde	-9764 Jan 19 j 11:41	0°♌20'00	
	-9764 Feb 08 j 18:25	30°℞♋	
opposition	-9764 Mar 30 j 04:46	26°♋57'58	2°53'45
min. Earth dist.	-9764 Mar 31 j 02:00	26°♋53'58	8.74278 AU
direct	-9764 Jun 07 j 15:52	23°♋37'45	
	-9764 Sep 08 j 02:16	0°♌	
evening set	-9764 Sep 15 j 20:10	0°♌55'23	
max. Earth dist.	-9764 Oct 01 j 08:36	2°♌49'26	10.65882 AU
conjunction	-9764 Oct 02 j 08:24	2°♌56'46	2°15'55
minimum elong	-9764 Oct 02 j 08:27	2°♌56'47	2°16'26
morning rise	-9764 Oct 19 j 00:00	4°♌59'16	
retrograde	-9763 Jan 31 j 18:40	12°♌38'39	
opposition	-9763 Apr 12 j 07:06	9°♌14'41	2°38'47
min. Earth dist.	-9763 Apr 13 j 01:55	9°♌11'05	8.57421 AU
direct	-9763 Jun 20 j 01:23	5°♌53'38	
evening set	-9763 Sep 28 j 05:01	13°♌20'38	
	-9763 Oct 11 j 12:10	15°♌	
conjunction	-9763 Oct 14 j 21:29	15°♌25'34	2°00'02
minimum elong	-9763 Oct 14 j 21:33	15°♌25'35	2°00'29
max. Earth dist.	-9763 Oct 14 j 01:52	15°♌19'24	10.48770 AU
morning rise	-9763 Oct 31 j 18:08	17°♌31'54	
retrograde	-9762 Feb 14 j 15:23	25°♌25'31	
opposition	-9762 Apr 25 j 19:15	21°♌59'35	2°15'30
min. Earth dist.	-9762 Apr 26 j 10:05	21°♌56'42	8.40141 AU
direct	-9762 Jul 02 j 20:20	18°♌37'35	
evening set	-9762 Oct 11 j 02:24	26°♌14'51	
max. Earth dist.	-9762 Oct 27 j 09:55	28°♌19'11	10.31639 AU
conjunction	-9762 Oct 28 j 00:11	28°♌23'45	1°37'36
minimum elong	-9762 Oct 28 j 00:15	28°♌23'46	1°37'58
	-9762 Nov 09 j 13:55	0°♍	
morning rise	-9762 Nov 14 j 02:44	0°♍34'17	
retrograde	-9761 Mar 01 j 01:07	8°♍42'13	
opposition	-9761 May 09 j 17:21	5°♍14'23	1°44'09
min. Earth dist.	-9761 May 10 j 02:51	5°♍12'30	8.23291 AU
direct	-9761 Jul 16 j 00:13	1°♍51'22	
evening set	-9761 Oct 24 j 13:50	9°♍39'27	
conjunction	-9761 Nov 10 j 17:28	11°♍52'29	1°09'09
minimum elong	-9761 Nov 10 j 17:31	11°♍52'30	1°09'24
max. Earth dist.	-9761 Nov 10 j 09:03	11°♍49'44	10.15386 AU
morning rise	-9761 Nov 28 j 02:27	14°♍07'20	
retrograde	-9760 Mar 14 j 21:45	22°♍28'48	

opposition	-9760 May 23 j 00:53	18°♍59'15	1°05'37
min. Earth dist.	-9760 May 23 j 04:42	18°♍58'29	8.07820 AU
direct	-9760 Jul 28 j 14:59	15°♍35'07	
evening set	-9760 Nov 06 j 16:00	23°♍34'08	
conjunction	-9760 Nov 24 j 01:43	25°♍51'10	0°35'48
minimum elong	-9760 Nov 24 j 01:45	25°♍51'11	0°35'55
max. Earth dist.	-9760 Nov 23 j 23:43	25°♍50'31	10.00983 AU
morning rise	-9760 Dec 11 j 17:11	28°♍10'08	
	-9760 Dec 26 j 04:53	0°♎	
retrograde	-9759 Mar 30 j 02:52	6°♎43'22	
opposition	-9759 Jun 06 j 16:47	3°♎12'23	0°21'42
min. Earth dist.	-9759 Jun 06 j 14:54	3°♎12'46	7.94706 AU
	-9759 Jul 27 j 17:08	30°℞♍	
direct	-9759 Aug 11 j 17:33	29°♍47'04	
	-9759 Aug 26 j 16:13	0°♎	
evening set	-9759 Nov 21 j 08:47	7°♎56'25	
desc. node	-9759 Dec 01 j 18:46	9°♎19'04	
conjunction	-9759 Dec 09 j 00:20	10°♎17'01	-0°00'44
minimum elong	-9759 Dec 09 j 00:19	10°♎17'01	0°00'46
behind sun begin	-9759 Dec 08 j 17:02	10°♎14'37	
behind sun end	-9759 Dec 09 j 07:36	10°♎19'26	
max. Earth dist.	-9759 Dec 09 j 05:09	10°♎18'36	9.89362 AU
morning rise	-9759 Dec 26 j 21:39	12°♎39'30	
retrograde	-9758 Apr 14 j 14:28	21°♎21'36	
opposition	-9758 Jun 21 j 15:03	17°♎49'33	-0°24'54
min. Earth dist.	-9758 Jun 21 j 07:55	17°♎51'02	7.84823 AU
direct	-9758 Aug 26 j 06:07	14°♎23'03	
evening set	-9758 Dec 06 j 14:56	22°♎41'24	
conjunction	-9758 Dec 24 j 11:27	25°♎04'43	-0°37'55
minimum elong	-9758 Dec 24 j 11:25	25°♎04'43	0°38'06
max. Earth dist.	-9758 Dec 24 j 23:15	25°♎08'42	9.81310 AU
morning rise	-9757 Jan 11 j 13:16	27°♎29'44	
	-9757 Jan 31 j 04:43	0°♏	
retrograde	-9757 Apr 30 j 04:42	6°♏16'51	
opposition	-9757 Jul 06 j 16:52	2°♏44'12	-1°10'48
min. Earth dist.	-9757 Jul 06 j 05:02	2°♏46'40	7.78839 AU
	-9757 Aug 13 j 13:37	30°℞♎	
direct	-9757 Sep 10 j 02:56	29°♎16'34	
	-9757 Oct 07 j 10:41	0°♏	
evening set	-9757 Dec 22 j 07:28	7°♏41'45	
conjunction	-9756 Jan 09 j 07:44	10°♏06'42	-1°13'04
minimum elong	-9756 Jan 09 j 07:40	10°♏06'40	1°13'22
max. Earth dist.	-9756 Jan 10 j 01:55	10°♏12'50	9.77361 AU
morning rise	-9756 Jan 27 j 12:20	12°♏33'00	
	-9756 Feb 15 j 15:53	15°♏	
retrograde	-9756 May 14 j 18:03	21°♏20'44	
opposition	-9756 Jul 20 j 19:33	17°♏47'59	-1°52'16
min. Earth dist.	-9756 Jul 20 j 03:39	17°♏51'20	7.77099 AU
	-9756 Aug 28 j 15:14	15°℞♏	
direct	-9756 Sep 24 j 05:40	14°♏19'22	
	-9756 Oct 20 j 16:34	15°♏	
evening set	-9755 Jan 06 j 06:21	22°♏48'36	
conjunction	-9755 Jan 24 j 08:58	25°♏13'59	-1°43'22
minimum elong	-9755 Jan 24 j 08:54	25°♏13'58	1°43'47
max. Earth dist.	-9755 Jan 25 j 08:13	25°♏21'49	9.77704 AU
morning rise	-9755 Feb 11 j 14:36	27°♏40'17	
	-9755 Mar 01 j 19:35	0°♐	
retrograde	-9755 May 30 j 03:07	6°♐24'10	
opposition	-9755 Aug 04 j 20:01	2°♐51'55	-2°25'56
min. Earth dist.	-9755 Aug 04 j 01:00	2°♐55'56	7.79639 AU
	-9755 Sep 13 j 21:30	30°℞♏	
direct	-9755 Oct 09 j 11:50	29°♏22'35	

Attention, astronomical year style is used: The year -9755 in astronomical counting style is the year 9756 BCE in historical counting style.

	-9755 Nov 03 j 23:10	0°♐	
evening set	-9754 Jan 22 j 07:16	7°♐52'43	
conjunction	-9754 Feb 09 j 10:48	10°♐17'22	-2°06'29
minimum elong	-9754 Feb 09 j 10:44	10°♐17'21	2°07'00
max. Earth dist.	-9754 Feb 10 j 13:39	10°♐26'21	9.82307 AU
morning rise	-9754 Feb 27 j 15:47	12°♐42'24	
retrograde	-9754 Jun 14 j 03:58	21°♐18'11	
opposition	-9754 Aug 19 j 15:29	17°♐46'57	-2°49'18
min. Earth dist.	-9754 Aug 18 j 18:15	17°♐51'25	7.86332 AU
direct	-9754 Oct 24 j 17:30	14°♐17'11	
evening set	-9753 Feb 07 j 04:54	22°♐44'40	
conjunction	-9753 Feb 25 j 08:07	25°♐07'31	-2°20'54
minimum elong	-9753 Feb 25 j 08:04	25°♐07'30	2°21'27
max. Earth dist.	-9753 Feb 26 j 13:10	25°♐17'08	9.90943 AU
morning rise	-9753 Mar 15 j 11:11	27°♐30'15	
	-9753 Apr 04 j 10:35	0°♑	
retrograde	-9753 Jun 28 j 18:05	5°♑54'18	
min. Earth dist.	-9753 Sep 02 j 05:33	2°♑29'09	7.96790 AU
opposition	-9753 Sep 03 j 03:44	2°♑24'31	-3°01'02
	-9753 Oct 05 j 02:19	30°℞♐	
direct	-9753 Nov 08 j 19:32	28°♐54'39	
	-9753 Dec 13 j 09:19	0°♑	
evening set	-9752 Feb 22 j 18:19	7°♑15'59	
conjunction	-9752 Mar 11 j 20:16	9°♑36'16	-2°26'02
minimum elong	-9752 Mar 11 j 20:16	9°♑36'16	2°26'36
max. Earth dist.	-9752 Mar 13 j 01:41	9°♑45'50	10.03059 AU
morning rise	-9752 Mar 29 j 20:38	11°♑55'57	
retrograde	-9752 Jul 11 j 19:55	20°♑05'45	
min. Earth dist.	-9752 Sep 15 j 09:28	16°♑42'06	8.10310 AU
opposition	-9752 Sep 16 j 06:48	16°♑37'42	-3°01'11
direct	-9752 Nov 22 j 14:55	13°♑08'03	
evening set	-9751 Mar 08 j 20:19	21°♑20'32	
conjunction	-9751 Mar 26 j 20:19	23°♑37'43	-2°22'15
minimum elong	-9751 Mar 26 j 20:21	23°♑37'43	2°22'48
max. Earth dist.	-9751 Mar 27 j 23:45	23°♑46'29	10.17833 AU
morning rise	-9751 Apr 13 j 17:31	25°♑53'55	
	-9751 May 19 j 04:46	0°♒	
retrograde	-9751 Jul 25 j 09:08	3°♒48'07	
opposition	-9751 Sep 29 j 23:35	0°♒22'03	-2°50'48
min. Earth dist.	-9751 Sep 29 j 04:30	0°♒25'56	8.26005 AU
	-9751 Oct 04 j 11:53	30°℞♑	
direct	-9751 Dec 07 j 01:34	26°♑52'56	
	-9750 Feb 06 j 22:38	0°♒	
evening set	-9750 Mar 23 j 08:31	4°♒54'43	
conjunction	-9750 Apr 10 j 06:01	7°♒08'33	-2°10'37
minimum elong	-9750 Apr 10 j 06:04	7°♒08'34	2°11'07
max. Earth dist.	-9750 Apr 11 j 05:36	7°♒15'56	10.34317 AU
morning rise	-9750 Apr 27 j 23:49	9°♒21'07	
	-9750 Jun 20 j 14:23	15°♒	
retrograde	-9750 Aug 07 j 08:40	16°♒59'39	
	-9750 Sep 25 j 04:32	15°℞♒	
opposition	-9750 Oct 13 j 06:02	13°♒35'38	-2°31'37
min. Earth dist.	-9750 Oct 12 j 13:58	13°♒38'52	8.42925 AU
direct	-9750 Dec 21 j 03:41	10°♒07'22	
	-9749 Mar 11 j 10:53	15°♒	
evening set	-9749 Apr 06 j 05:46	17°♒57'30	
conjunction	-9749 Apr 24 j 00:24	20°♒07'54	-1°52'35
minimum elong	-9749 Apr 24 j 00:28	20°♒07'55	1°53'00
max. Earth dist.	-9749 Apr 24 j 19:03	20°♒13'38	10.51552 AU
morning rise	-9749 May 11 j 14:41	22°♒16'52	
retrograde	-9749 Aug 19 j 19:03	29°♒40'40	
opposition	-9749 Oct 26 j 02:19	26°♒18'39	-2°05'40
min. Earth dist.	-9749 Oct 25 j 13:16	26°♒21'14	8.60141 AU
direct	-9748 Jan 03 j 19:16	22°♒51'28	
	-9748 Apr 14 j 06:54	0°♓	
evening set	-9748 Apr 18 j 12:37	0°♓29'53	
conjunction	-9748 May 06 j 04:08	2°♓36'57	-1°29'44
minimum elong	-9748 May 06 j 04:12	2°♓36'58	1°30'03
max. Earth dist.	-9748 May 06 j 17:43	2°♓41'03	10.68641 AU
morning rise	-9748 May 23 j 14:45	4°♓42'29	
retrograde	-9748 Aug 30 j 20:49	11°♓53'07	
opposition	-9748 Nov 06 j 13:10	8°♓32'58	-1°34'58
min. Earth dist.	-9748 Nov 06 j 03:34	8°♓34'49	8.76811 AU
direct	-9747 Jan 15 j 22:53	5°♓07'01	
evening set	-9747 May 01 j 06:06	12°♓34'20	
conjunction	-9747 May 18 j 18:15	14°♓38'18	-1°03'35
minimum elong	-9747 May 18 j 18:18	14°♓38'19	1°03'48
max. Earth dist.	-9747 May 19 j 03:10	14°♓40'57	10.84788 AU
morning rise	-9747 Jun 05 j 00:59	16°♓40'40	
retrograde	-9747 Sep 11 j 13:47	23°♓40'06	
opposition	-9747 Nov 18 j 16:14	20°♓21'38	-1°01'19
min. Earth dist.	-9747 Nov 18 j 10:59	20°♓22'38	8.92213 AU
direct	-9746 Jan 28 j 15:23	16°♓57'00	
evening set	-9746 May 13 j 11:38	24°♓14'18	
conjunction	-9746 May 30 j 20:00	26°♓15'25	-0°35'32
minimum elong	-9746 May 30 j 20:01	26°♓15'25	0°35'39
max. Earth dist.	-9746 May 30 j 23:41	26°♓16'30	10.99330 AU
morning rise	-9746 Jun 16 j 22:51	28°♓14'58	
	-9746 Jul 02 j 16:12	0°♈	
retrograde	-9746 Sep 22 j 23:24	5°♈05'26	
opposition	-9746 Nov 30 j 12:46	1°♈48'25	-0°26'17
min. Earth dist.	-9746 Nov 30 j 12:32	1°♈48'27	9.05764 AU
	-9746 Dec 25 j 20:56	30°℞♓	
direct	-9745 Feb 09 j 23:59	28°♓25'05	
	-9745 Mar 27 j 11:25	0°♈	
evening set	-9745 May 25 j 07:04	5°♈33'48	
conjunction	-9745 Jun 11 j 11:24	7°♈32'24	-0°06'50
minimum elong	-9745 Jun 11 j 11:24	7°♈32'24	0°06'50
behind sun begin	-9745 Jun 11 j 04:50	7°♈30'31	
behind sun end	-9745 Jun 11 j 17:59	7°♈34'17	
max. Earth dist.	-9745 Jun 11 j 08:52	7°♈31'42	11.11753 AU
morning rise	-9745 Jun 28 j 10:37	9°♈29'32	
asc. node	-9745 Sep 08 j 21:51	15°♈41'06	
retrograde	-9745 Oct 04 j 03:22	16°♈13'17	
opposition	-9745 Dec 12 j 03:58	12°♈57'25	0°08'47
min. Earth dist.	-9745 Dec 12 j 08:00	12°♈56'40	9.16997 AU
direct	-9744 Feb 21 j 23:59	9°♈35'22	
evening set	-9744 Jun 04 j 18:05	16°♈37'06	
conjunction	-9744 Jun 21 j 18:28	18°♈33'34	0°21'40
minimum elong	-9744 Jun 21 j 18:27	18°♈33'33	0°21'48
max. Earth dist.	-9744 Jun 21 j 10:45	18°♈31'21	11.21648 AU
morning rise	-9744 Jul 08 j 14:08	20°♈28'43	
retrograde	-9744 Oct 14 j 05:05	27°♈08'04	
opposition	-9744 Dec 22 j 15:37	23°♈53'03	0°42'47
min. Earth dist.	-9744 Dec 22 j 23:09	23°♈51'40	9.25533 AU
direct	-9743 Mar 04 j 19:03	20°♈32'09	
evening set	-9743 Jun 15 j 22:39	27°♈28'34	
conjunction	-9743 Jul 02 j 19:13	29°♈23'19	0°48'52
minimum elong	-9743 Jul 02 j 19:11	29°♈23'18	0°49'06
max. Earth dist.	-9743 Jul 02 j 07:45	29°♈20'02	11.28690 AU
	-9743 Jul 08 j 03:34	0°♉	
morning rise	-9743 Jul 19 j 11:19	1°♉16'54	

Attention, astronomical year style is used: The year -9743 in astronomical counting style is the year 9744 BCE in historical counting style.

retrograde	-9743 Oct 25 j 06:26	7°♉54'06		
opposition	-9742 Jan 03 j 01:23	4°♉39'37	1°14'47	
min. Earth dist.	-9742 Jan 03 j 12:37	4°♉37'34	9.31112 AU	
direct	-9742 Mar 16 j 06:51	1°♉19'46		
evening set	-9742 Jun 26 j 22:42	8°♉12'31		
conjunction	-9742 Jul 13 j 15:33	10°♉06'00	1°14'05	
minimum elong	-9742 Jul 13 j 15:30	10°♉05'59	1°14'25	
max. Earth dist.	-9742 Jul 13 j 00:01	10°♉01'34	11.32678 AU	
morning rise	-9742 Jul 30 j 04:33	11°♉58'31		
	-9742 Aug 28 j 03:22	15°♉		
retrograde	-9742 Nov 05 j 06:45	18°♉35'43		
opposition	-9741 Jan 14 j 10:47	15°♉21'26	1°43'56	
min. Earth dist.	-9741 Jan 15 j 02:13	15°♉18'37	9.33580 AU	
	-9741 Jan 19 j 08:55	15°℞♉		
direct	-9741 Mar 27 j 15:13	12°♉02'23		
	-9741 May 30 j 09:36	15°♉		
evening set	-9741 Jul 07 j 19:53	18°♉53'12		
conjunction	-9741 Jul 24 j 09:17	20°♉45'52	1°36'37	
minimum elong	-9741 Jul 24 j 09:14	20°♉45'51	1°37'01	
max. Earth dist.	-9741 Jul 23 j 13:24	20°♉40'11	11.33505 AU	
morning rise	-9741 Aug 09 j 19:51	22°♉37'49		
retrograde	-9741 Nov 16 j 09:48	29°♉17'09		
opposition	-9740 Jan 25 j 21:06	26°♉02'40	2°09'29	
min. Earth dist.	-9740 Jan 26 j 15:38	25°♉59'19	9.32850 AU	
direct	-9740 Apr 06 j 23:21	22°♉44'13		
evening set	-9740 Jul 17 j 15:59	29°♉34'44		
	-9740 Jul 21 j 09:43	0°♊		
max. Earth dist.	-9740 Aug 02 j 04:13	1°♊20'41	11.31129 AU	
conjunction	-9740 Aug 03 j 02:38	1°♊27'07	1°55'49	
minimum elong	-9740 Aug 03 j 02:35	1°♊27'06	1°56'17	
morning rise	-9740 Aug 19 j 11:11	3°♊19'00		
retrograde	-9740 Nov 26 j 16:45	10°♊02'30		
opposition	-9739 Feb 05 j 09:47	6°♊47'27	2°30'41	
min. Earth dist.	-9739 Feb 06 j 05:58	6°♊43'47	9.28921 AU	
direct	-9739 Apr 18 j 06:34	3°♊29'21		
evening set	-9739 Jul 28 j 12:45	10°♊21'12		
conjunction	-9739 Aug 13 j 21:25	12°♊13'49	2°11'04	
minimum elong	-9739 Aug 13 j 21:22	12°♊13'48	2°11'36	
max. Earth dist.	-9739 Aug 12 j 21:37	12°♊06'56	11.25606 AU	
morning rise	-9739 Aug 30 j 04:39	14°♊06'11		
retrograde	-9739 Dec 08 j 07:25	20°♊55'48		
opposition	-9738 Feb 17 j 02:36	17°♊39'51	2°46'49	
min. Earth dist.	-9738 Feb 18 j 00:19	17°♊35'54	9.21894 AU	
direct	-9738 Apr 29 j 14:57	14°♊21'52		
evening set	-9738 Aug 08 j 11:53	21°♊16'33		
conjunction	-9738 Aug 24 j 19:17	23°♊09'59	2°21'45	
minimum elong	-9738 Aug 24 j 19:15	23°♊09'59	2°22'19	
max. Earth dist.	-9738 Aug 23 j 17:24	23°♊02'26	11.17082 AU	
morning rise	-9738 Sep 10 j 02:21	25°♊03'28		
	-9738 Oct 30 j 03:35	0°♋		
retrograde	-9738 Dec 20 j 01:48	2°♋01'02		
	-9737 Feb 11 j 04:29	30°℞♊		
opposition	-9737 Mar 01 j 00:38	28°♊43'52	2°57'10	
min. Earth dist.	-9737 Mar 01 j 23:57	28°♊39'36	9.11942 AU	
direct	-9737 May 11 j 00:07	25°♊25'41		
	-9737 Jul 28 j 19:01	0°♋		
evening set	-9737 Aug 19 j 15:15	2°♋24'50		
conjunction	-9737 Sep 04 j 22:25	4°♋19'41	2°27'19	
minimum elong	-9737 Sep 04 j 22:25	4°♋19'40	2°27'53	
max. Earth dist.	-9737 Sep 03 j 19:13	4°♋11'38	11.05768 AU	
morning rise	-9737 Sep 21 j 06:28	6°♋14'51		

retrograde	-9736 Jan 01 j 06:04	13°♋22'13		
opposition	-9736 Mar 12 j 04:58	10°♋03'31	3°01'02	
min. Earth dist.	-9736 Mar 13 j 04:54	9°♋59'06	8.99313 AU	
direct	-9736 May 21 j 16:48	6°♋44'53		
evening set	-9736 Aug 30 j 00:27	13°♋50'03		
max. Earth dist.	-9736 Sep 14 j 06:28	15°♋39'04	10.91961 AU	
conjunction	-9736 Sep 15 j 08:47	15°♋46'58	2°27'12	
minimum elong	-9736 Sep 15 j 08:48	15°♋46'59	2°27'46	
morning rise	-9736 Oct 01 j 18:49	17°♋44'31		
retrograde	-9735 Jan 12 j 21:33	25°♋03'24		
opposition	-9735 Mar 24 j 17:13	21°♋42'54	2°57'41	
min. Earth dist.	-9735 Mar 25 j 15:44	21°♋38'42	8.84387 AU	
direct	-9735 Jun 02 j 13:44	18°♋23'39		
evening set	-9735 Sep 10 j 17:28	25°♋36'18		
max. Earth dist.	-9735 Sep 26 j 03:39	27°♋28'26	10.76143 AU	
conjunction	-9735 Sep 27 j 04:12	27°♋35'56	2°20'56	
minimum elong	-9735 Sep 27 j 04:14	27°♋35'57	2°21'28	
morning rise	-9735 Oct 13 j 17:29	29°♋36'30		
	-9735 Oct 17 j 00:25	0°♌		
retrograde	-9734 Jan 25 j 23:34	7°♌08'22		
opposition	-9734 Apr 06 j 14:25	3°♌45'53	2°46'34	
min. Earth dist.	-9734 Apr 07 j 10:29	3°♌42'05	8.67760 AU	
direct	-9734 Jun 14 j 17:33	0°♌25'47		
evening set	-9734 Sep 22 j 20:33	7°♌47'15		
conjunction	-9734 Oct 09 j 10:49	9°♌50'12	2°08'10	
minimum elong	-9734 Oct 09 j 10:52	9°♌50'13	2°08'39	
max. Earth dist.	-9734 Oct 08 j 12:21	9°♌43'13	10.59004 AU	
morning rise	-9734 Oct 26 j 04:43	11°♌54'22		
	-9734 Nov 22 j 00:16	15°♌		
retrograde	-9733 Feb 08 j 14:14	19°♌40'09		
opposition	-9733 Apr 19 j 21:04	16°♌15'36	2°27'15	
min. Earth dist.	-9733 Apr 20 j 14:12	16°♌12'18	8.50194 AU	
	-9733 May 06 j 15:53	15°℞♌		
direct	-9733 Jun 27 j 06:20	12°♌54'26		
	-9733 Aug 15 j 13:49	15°♌		
evening set	-9733 Oct 05 j 11:13	20°♌25'48		
max. Earth dist.	-9733 Oct 21 j 10:57	22°♌26'27	10.41347 AU	
conjunction	-9733 Oct 22 j 06:07	22°♌32'31	1°48'50	
minimum elong	-9733 Oct 22 j 06:11	22°♌32'33	1°49'15	
morning rise	-9733 Nov 08 j 05:44	24°♌40'47		
	-9733 Dec 26 j 22:54	0°♍		
retrograde	-9732 Feb 22 j 16:30	2°♍40'57		
	-9732 Apr 22 j 17:55	30°℞♌		
opposition	-9732 May 02 j 13:49	29°♌14'16	1°59'45	
min. Earth dist.	-9732 May 03 j 03:24	29°♌11'36	8.32550 AU	
direct	-9732 Jul 09 j 04:53	25°♌51'52		
	-9732 Sep 17 j 09:51	0°♍		
evening set	-9732 Oct 17 j 14:53	3°♍33'54		
conjunction	-9732 Nov 03 j 15:25	5°♍44'43	1°23'13	
minimum elong	-9732 Nov 03 j 15:29	5°♍44'45	1°23'32	
max. Earth dist.	-9732 Nov 03 j 01:46	5°♍40'19	10.24059 AU	
morning rise	-9732 Nov 20 j 21:20	7°♍57'19		
retrograde	-9731 Mar 08 j 05:42	16°♍11'36		
opposition	-9731 May 16 j 16:20	12°♍42'52	1°24'35	
min. Earth dist.	-9731 May 17 j 01:00	12°♍41'08	8.15768 AU	
direct	-9731 Jul 22 j 15:16	9°♍19'09		
evening set	-9731 Oct 31 j 09:03	17°♍12'14		
conjunction	-9731 Nov 17 j 15:48	19°♍27'14	0°52'07	
minimum elong	-9731 Nov 17 j 15:51	19°♍27'15	0°52'18	
max. Earth dist.	-9731 Nov 17 j 08:57	19°♍25'00	10.08093 AU	
morning rise	-9731 Dec 05 j 04:13	21°♍44'08		

Attention, astronomical year style is used: The year -9730 in astronomical counting style is the year 9731 BCE in historical counting style.

	-9730 Mar 08 j 15:38	0°♎	
retrograde	-9730 Mar 23 j 05:05	0°♎11'20	
	-9730 Apr 06 j 21:06	30°℞♍	
opposition	-9730 May 31 j 03:36	26°♍40'46	0°43'06
min. Earth dist.	-9730 May 31 j 06:27	26°♍40'11	8.00827 AU
direct	-9730 Aug 05 j 12:39	23°♍15'41	
	-9730 Nov 04 j 09:10	0°♎	
evening set	-9730 Nov 14 j 18:07	1°♎19'41	
conjunction	-9730 Dec 02 j 07:02	3°♎38'36	0°16'58
minimum elong	-9730 Dec 02 j 07:03	3°♎38'36	0°17'01
max. Earth dist.	-9730 Dec 02 j 07:39	3°♎38'48	9.94415 AU
morning rise	-9730 Dec 20 j 01:34	5°♎59'24	
retrograde	-9729 Apr 07 j 13:34	14°♎37'17	
desc. node	-9729 May 25 j 21:34	12°♎40'31	
opposition	-9729 Jun 14 j 22:24	11°♎05'16	-0°02'29
min. Earth dist.	-9729 Jun 14 j 19:00	11°♎05'58	7.88669 AU
direct	-9729 Aug 19 j 19:13	7°♎38'51	
evening set	-9729 Nov 29 j 17:22	15°♎52'52	
conjunction	-9729 Dec 17 j 11:45	18°♎15'03	-0°20'12
minimum elong	-9729 Dec 17 j 11:43	18°♎15'02	0°20'18
max. Earth dist.	-9729 Dec 17 j 19:54	18°♎17'47	9.83929 AU
morning rise	-9728 Jan 04 j 11:25	20°♎39'00	
retrograde	-9728 Apr 22 j 03:23	29°♎24'19	
opposition	-9728 Jun 28 j 22:31	25°♎51'18	-0°49'08
min. Earth dist.	-9728 Jun 28 j 13:08	25°♎53'15	7.80134 AU
direct	-9728 Sep 02 j 11:04	22°♎23'37	
	-9728 Dec 08 j 08:40	0°♏	
evening set	-9728 Dec 14 j 04:58	0°♏46'01	
conjunction	-9727 Jan 01 j 03:44	3°♏10'28	-0°56'39
minimum elong	-9727 Jan 01 j 03:41	3°♏10'27	0°56'53
max. Earth dist.	-9727 Jan 01 j 18:53	3°♏15'35	9.77396 AU
morning rise	-9727 Jan 19 j 07:08	5°♏36'28	
retrograde	-9727 May 07 j 18:38	14°♏25'01	
min. Earth dist.	-9727 Jul 13 j 10:55	10°♏54'33	7.75848 AU
opposition	-9727 Jul 14 j 01:09	10°♏51'34	-1°33'11
direct	-9727 Sep 17 j 10:33	7°♏22'46	
	-9727 Dec 23 j 13:58	15°♏	
evening set	-9727 Dec 30 j 01:34	15°♏51'01	
conjunction	-9726 Jan 17 j 03:20	18°♏16'34	-1°29'36
minimum elong	-9726 Jan 17 j 03:16	18°♏16'33	1°29'58
max. Earth dist.	-9726 Jan 18 j 00:26	18°♏23'42	9.75306 AU
morning rise	-9726 Feb 04 j 08:42	20°♏43'16	
retrograde	-9726 May 23 j 07:16	29°♏30'20	
min. Earth dist.	-9726 Jul 28 j 09:28	26°♏00'52	7.76125 AU
opposition	-9726 Jul 29 j 03:23	25°♏57'04	-2°11'01
direct	-9726 Oct 02 j 15:39	22°♏27'24	
	-9725 Jan 07 j 15:43	0°♐	
evening set	-9725 Jan 15 j 02:27	0°♐58'15	
conjunction	-9725 Feb 02 j 05:41	3°♐23'37	-1°56'26
minimum elong	-9725 Feb 02 j 05:37	3°♐23'35	1°56'54
max. Earth dist.	-9725 Feb 03 j 07:22	3°♐32'14	9.77816 AU
morning rise	-9725 Feb 20 j 11:13	5°♐49'38	
retrograde	-9725 Jun 07 j 12:38	14°♐30'33	
min. Earth dist.	-9725 Aug 12 j 05:34	11°♐02'24	7.80932 AU
opposition	-9725 Aug 13 j 01:56	10°♐58'06	-2°39'35
direct	-9725 Oct 17 j 22:22	7°♐27'51	
evening set	-9724 Jan 31 j 02:23	15°♐57'39	
conjunction	-9724 Feb 18 j 05:48	18°♐21'40	-2°15'09
minimum elong	-9724 Feb 18 j 05:45	18°♐21'39	2°15'41
max. Earth dist.	-9724 Feb 19 j 10:14	18°♐31'08	9.84746 AU
morning rise	-9724 Mar 07 j 10:06	20°♐45'50	
retrograde	-9724 Jun 21 j 07:34	29°♐16'29	
opposition	-9724 Aug 26 j 18:09	25°♐45'22	-2°56'57
min. Earth dist.	-9724 Aug 25 j 20:30	25°♐49'55	7.89905 AU
direct	-9724 Nov 01 j 02:55	22°♐14'56	
	-9723 Feb 09 j 14:51	0°♑	
evening set	-9723 Feb 14 j 20:24	0°♑40'06	
conjunction	-9723 Mar 04 j 23:00	3°♑01'51	-2°24'43
minimum elong	-9723 Mar 04 j 22:59	3°♑01'51	2°25'17
max. Earth dist.	-9723 Mar 06 j 04:14	3°♑11'27	9.95574 AU
morning rise	-9723 Mar 23 j 01:01	5°♑23'15	
retrograde	-9723 Jul 05 j 15:09	13°♑40'34	
min. Earth dist.	-9723 Sep 09 j 03:53	10°♑15'47	8.02375 AU
opposition	-9723 Sep 10 j 01:54	10°♑11'13	-3°02'32
direct	-9723 Nov 16 j 02:16	6°♑41'00	
evening set	-9722 Mar 02 j 04:26	14°♑58'26	
conjunction	-9722 Mar 20 j 05:26	17°♑17'17	-2°25'04
minimum elong	-9722 Mar 20 j 05:27	17°♑17'17	2°25'38
max. Earth dist.	-9722 Mar 21 j 09:55	17°♑26'29	10.09522 AU
morning rise	-9722 Apr 07 j 04:25	19°♑35'20	
retrograde	-9722 Jul 19 j 10:32	27°♑37'28	
opposition	-9722 Sep 23 j 23:48	24°♑10'10	-2°56'56
min. Earth dist.	-9722 Sep 23 j 02:26	24°♑14'33	8.17491 AU
direct	-9722 Nov 30 j 17:35	20°♑40'35	
evening set	-9721 Mar 16 j 23:32	28°♑48'01	
	-9721 Mar 26 j 13:27	0°♒	
conjunction	-9721 Apr 03 j 22:24	1°♒03'35	-2°16'59
minimum elong	-9721 Apr 03 j 22:27	1°♒03'35	2°17'30
max. Earth dist.	-9721 Apr 05 j 00:54	1°♒11'58	10.25673 AU
morning rise	-9721 Apr 21 j 17:58	3°♒18'00	
retrograde	-9721 Aug 01 j 17:21	11°♒04'23	
opposition	-9721 Oct 07 j 11:24	7°♒39'18	-2°41'37
min. Earth dist.	-9721 Oct 06 j 16:03	7°♒43'13	8.34317 AU
direct	-9721 Dec 14 j 23:47	4°♒10'40	
evening set	-9720 Mar 30 j 04:11	12°♒06'44	
conjunction	-9720 Apr 17 j 00:28	14°♒18'51	-2°01'45
minimum elong	-9720 Apr 17 j 00:32	14°♒18'52	2°02'11
max. Earth dist.	-9720 Apr 17 j 23:34	14°♒26'02	10.43057 AU
	-9720 Apr 22 j 12:58	15°♒	
morning rise	-9720 May 04 j 16:27	16°♒29'36	
retrograde	-9720 Aug 13 j 11:11	24°♒00'40	
opposition	-9720 Oct 19 j 12:46	20°♒37'51	-2°18'32
min. Earth dist.	-9720 Oct 18 j 20:55	20°♒41'00	8.51895 AU
direct	-9720 Dec 27 j 19:26	17°♒10'23	
evening set	-9719 Apr 12 j 18:30	24°♒54'40	
conjunction	-9719 Apr 30 j 11:42	27°♒03'22	-1°40'55
minimum elong	-9719 Apr 30 j 11:46	27°♒03'23	1°41'16
max. Earth dist.	-9719 May 01 j 05:51	27°♒08'54	10.60717 AU
morning rise	-9719 May 17 j 23:59	29°♒10'32	
	-9719 May 24 j 23:44	0°♓	
retrograde	-9719 Aug 25 j 18:20	6°♓27'32	
opposition	-9719 Nov 01 j 04:31	3°♓06'51	-1°49'45
min. Earth dist.	-9719 Oct 31 j 17:02	3°♓09'06	8.69321 AU
	-9719 Dec 21 j 12:15	30°℞♒	
direct	-9718 Jan 10 j 04:02	29°♒40'43	
	-9718 Jan 29 j 21:16	0°♓	
evening set	-9718 Apr 25 j 18:53	7°♓13'29	
conjunction	-9718 May 13 j 08:36	9°♓18'55	-1°16'05
minimum elong	-9718 May 13 j 08:39	9°♓18'56	1°16'20
max. Earth dist.	-9718 May 13 j 20:26	9°♓22'28	10.77788 AU
morning rise	-9718 May 30 j 17:13	11°♓22'46	
retrograde	-9718 Sep 06 j 14:15	18°♓27'28	

Attention, astronomical year style is used: The year -9718 in astronomical counting style is the year 9719 BCE in historical counting style.

opposition	-9718 Nov 13 j 11:43	15°♓08'42	-1°17'12
min. Earth dist.	-9718 Nov 13 j 04:16	15°♓10'08	8.85784 AU
direct	-9717 Jan 23 j 03:06	11°♓43'57	
evening set	-9717 May 08 j 06:17	19°♓06'02	
conjunction	-9717 May 25 j 16:22	21°♓08'25	-0°48'43
minimum elong	-9717 May 25 j 16:24	21°♓08'26	0°48'52
max. Earth dist.	-9717 May 25 j 22:18	21°♓10'10	10.93503 AU
morning rise	-9717 Jun 11 j 21:14	23°♓09'17	
	-9717 Sep 09 j 14:21	0°♈	
retrograde	-9717 Sep 18 j 03:28	0°♈03'50	
	-9717 Sep 26 j 17:34	30°℞♓	
opposition	-9717 Nov 25 j 11:25	26°♓46'40	-0°42'36
min. Earth dist.	-9717 Nov 25 j 07:57	26°♓47'19	9.00553 AU
direct	-9716 Feb 04 j 17:35	23°♓23'16	
	-9716 May 13 j 23:26	0°♈	
evening set	-9716 May 19 j 06:42	0°♈35'56	
conjunction	-9716 Jun 05 j 13:03	2°♈35'39	-0°20'08
minimum elong	-9716 Jun 05 j 13:04	2°♈35'39	0°20'11
max. Earth dist.	-9716 Jun 05 j 13:45	2°♈35'51	11.07178 AU
morning rise	-9716 Jun 22 j 14:01	4°♈33'50	
retrograde	-9716 Sep 28 j 11:26	11°♈20'31	
opposition	-9716 Dec 06 j 05:07	8°♈04'39	-0°07'23
min. Earth dist.	-9716 Dec 06 j 06:27	8°♈04'24	9.13011 AU
direct	-9715 Feb 15 j 20:42	4°♈42'33	
asc. node	-9715 Feb 22 j 22:04	4°♈44'53	
evening set	-9715 May 30 j 21:59	11°♈47'24	
conjunction	-9715 Jun 17 j 00:21	13°♈44'48	0°08'39
minimum elong	-9715 Jun 17 j 00:21	13°♈44'48	0°08'43
behind sun begin	-9715 Jun 16 j 18:14	13°♈43'04	
behind sun end	-9715 Jun 17 j 06:27	13°♈46'32	
max. Earth dist.	-9715 Jun 16 j 19:37	13°♈43'28	11.18277 AU
morning rise	-9715 Jul 03 j 21:31	15°♈40'48	
retrograde	-9715 Oct 09 j 14:08	22°♈21'58	
opposition	-9715 Dec 17 j 18:47	19°♈07'05	0°27'15
min. Earth dist.	-9715 Dec 18 j 01:26	19°♈05'51	9.22731 AU
direct	-9714 Feb 27 j 17:29	15°♈46'07	
evening set	-9714 Jun 11 j 05:49	22°♈44'53	
conjunction	-9714 Jun 28 j 04:05	24°♈40'22	0°36'30
minimum elong	-9714 Jun 28 j 04:03	24°♈40'21	0°36'41
max. Earth dist.	-9714 Jun 27 j 17:20	24°♈37'17	11.26487 AU
morning rise	-9714 Jul 14 j 21:49	26°♈34'36	
	-9714 Aug 17 j 00:25	0°♉	
retrograde	-9714 Oct 20 j 14:43	3°♉12'36	
	-9714 Dec 28 j 20:19	30°℞♈	
opposition	-9714 Dec 29 j 05:40	29°♈58'18	1°00'18
min. Earth dist.	-9714 Dec 29 j 16:43	29°♈56'16	9.29471 AU
direct	-9713 Mar 11 j 09:20	26°♈38'17	
	-9713 May 18 j 19:28	0°♉	
evening set	-9713 Jun 22 j 08:08	3°♉32'37	
max. Earth dist.	-9713 Jul 08 j 11:10	5°♉22'14	11.31627 AU
conjunction	-9713 Jul 09 j 02:36	5°♉26'38	1°02'44
minimum elong	-9713 Jul 09 j 02:33	5°♉26'37	1°03'01
morning rise	-9713 Jul 25 j 17:09	7°♉19'36	
retrograde	-9713 Oct 31 j 14:55	13°♉56'36	
opposition	-9712 Jan 09 j 15:00	10°♉42'26	1°30'52
min. Earth dist.	-9712 Jan 10 j 05:08	10°♉39'52	9.33073 AU
direct	-9712 Mar 21 j 21:06	7°♉23'09	
evening set	-9712 Jul 02 j 06:39	14°♉14'46	
	-9712 Jul 08 j 23:38	15°♉	
conjunction	-9712 Jul 18 j 21:43	16°♉07'46	1°26'35
minimum elong	-9712 Jul 18 j 21:40	16°♉07'45	1°26'57

max. Earth dist.	-9712 Jul 18 j 03:21	16°♉02'31	11.33576 AU
morning rise	-9712 Aug 04 j 09:19	17°♉59'55	
retrograde	-9712 Nov 10 j 18:22	24°♉38'02	
opposition	-9711 Jan 20 j 00:49	21°♉23'41	1°58'11
min. Earth dist.	-9711 Jan 20 j 18:08	21°♉20'32	9.33453 AU
direct	-9711 Apr 02 j 05:39	18°♉04'55	
evening set	-9711 Jul 13 j 03:07	24°♉55'24	
conjunction	-9711 Jul 29 j 15:04	26°♉47'53	1°47'24
minimum elong	-9711 Jul 29 j 15:01	26°♉47'52	1°47'50
max. Earth dist.	-9711 Jul 28 j 17:16	26°♉41'39	11.32302 AU
morning rise	-9711 Aug 15 j 00:22	28°♉39'45	
	-9711 Aug 27 j 05:01	0°♊	
retrograde	-9711 Nov 21 j 21:59	5°♊21'03	
opposition	-9710 Jan 31 j 12:26	2°♊06'07	2°21'29
min. Earth dist.	-9710 Feb 01 j 09:01	2°♊02'24	9.30626 AU
	-9710 Mar 03 j 23:28	30°℞♉	
direct	-9710 Apr 13 j 11:36	28°♉47'37	
	-9710 May 23 j 02:20	0°♊	
evening set	-9710 Jul 23 j 23:21	5°♊38'40	
max. Earth dist.	-9710 Aug 08 j 07:44	7°♊23'56	11.27869 AU
conjunction	-9710 Aug 09 j 08:45	7°♊31'08	2°04'33
minimum elong	-9710 Aug 09 j 08:43	7°♊31'07	2°05'03
morning rise	-9710 Aug 25 j 16:38	9°♊23'15	
retrograde	-9710 Dec 03 j 07:28	16°♊09'45	
opposition	-9709 Feb 12 j 02:58	12°♊53'54	2°40'04
min. Earth dist.	-9709 Feb 13 j 01:43	12°♊49'46	9.24687 AU
direct	-9709 Apr 24 j 20:12	9°♊35'25	
evening set	-9709 Aug 03 j 20:54	16°♊28'39	
max. Earth dist.	-9709 Aug 19 j 02:45	18°♊14'07	11.20410 AU
conjunction	-9709 Aug 20 j 04:47	18°♊21'41	2°17'25
minimum elong	-9709 Aug 20 j 04:45	18°♊21'41	2°17'59
morning rise	-9709 Sep 05 j 11:58	20°♊14'38	
retrograde	-9709 Dec 14 j 23:12	27°♊08'16	
opposition	-9708 Feb 23 j 21:59	23°♊51'12	2°53'13
min. Earth dist.	-9708 Feb 24 j 21:11	23°♊46'58	9.15796 AU
direct	-9708 May 05 j 05:27	20°♊32'34	
evening set	-9708 Aug 13 j 21:40	27°♊29'34	
max. Earth dist.	-9708 Aug 29 j 02:46	29°♊16'02	11.10136 AU
conjunction	-9708 Aug 30 j 04:59	29°♊23'45	2°25'27
minimum elong	-9708 Aug 30 j 04:57	29°♊23'44	2°26'02
	-9708 Sep 04 j 08:16	0°♋	
morning rise	-9708 Sep 15 j 12:20	1°♋18'06	
retrograde	-9708 Dec 26 j 00:23	8°♋20'46	
opposition	-9707 Mar 06 j 23:00	5°♋02'13	3°00'12
min. Earth dist.	-9707 Mar 07 j 22:02	4°♋57'59	9.04224 AU
direct	-9707 May 16 j 18:24	1°♋43'15	
evening set	-9707 Aug 25 j 03:40	8°♋45'33	
max. Earth dist.	-9707 Sep 09 j 08:40	10°♋33'32	10.97387 AU
conjunction	-9707 Sep 10 j 11:22	10°♋41'31	2°28'03
minimum elong	-9707 Sep 10 j 11:22	10°♋41'31	2°28'38
morning rise	-9707 Sep 26 j 20:17	12°♋37'57	
retrograde	-9706 Jan 07 j 09:41	19°♋51'19	
opposition	-9706 Mar 19 j 07:20	16°♋31'06	3°00'19
min. Earth dist.	-9706 Mar 20 j 06:10	16°♋26'51	8.90361 AU
direct	-9706 May 28 j 10:51	13°♋11'36	
evening set	-9706 Sep 05 j 16:34	20°♋20'42	
max. Earth dist.	-9706 Sep 20 j 23:58	22°♋11'10	10.82595 AU
conjunction	-9706 Sep 22 j 01:55	22°♋19'02	2°24'43
minimum elong	-9706 Sep 22 j 01:57	22°♋19'03	2°25'16
morning rise	-9706 Oct 08 j 13:42	24°♋18'12	
	-9706 Dec 04 j 15:28	0°♌	

Attention, astronomical year style is used: The year -9705 in astronomical counting style is the year 9706 BCE in historical counting style.

retrograde	-9705 Jan 20 j 04:46	1°♌43'50	
	-9705 Mar 09 j 06:22	30°♋	
opposition	-9705 Mar 31 j 23:56	28°♋21'46	2°52'54
min. Earth dist.	-9705 Apr 01 j 21:30	28°♋17'42	8.74688 AU
direct	-9705 Jun 09 j 11:37	25°♋01'34	
	-9705 Aug 28 j 15:32	0°♌	
evening set	-9705 Sep 17 j 14:20	2°♌18'49	
max. Earth dist.	-9705 Oct 03 j 03:37	4°♌13'03	10.66287 AU
conjunction	-9705 Oct 04 j 02:45	4°♌20'11	2°15'02
minimum elong	-9705 Oct 04 j 02:48	4°♌20'12	2°15'32
morning rise	-9705 Oct 20 j 18:25	6°♌22'38	
retrograde	-9704 Feb 02 j 13:25	14°♌01'44	
opposition	-9704 Apr 13 j 01:41	10°♌37'44	2°37'26
min. Earth dist.	-9704 Apr 13 j 20:13	10°♌34'12	8.57812 AU
direct	-9704 Jun 20 j 20:47	7°♌16'42	
evening set	-9704 Sep 28 j 22:53	14°♌43'18	
	-9704 Oct 01 j 05:07	15°♌	
conjunction	-9704 Oct 15 j 15:34	16°♌48'13	1°58'47
minimum elong	-9704 Oct 15 j 15:38	16°♌48'14	1°59'13
max. Earth dist.	-9704 Oct 14 j 20:35	16°♌42'15	10.49138 AU
morning rise	-9704 Nov 01 j 12:14	18°♌54'30	
retrograde	-9703 Feb 15 j 10:14	26°♌47'50	
opposition	-9703 Apr 26 j 13:25	23°♌21'52	2°13'44
min. Earth dist.	-9703 Apr 27 j 03:33	23°♌19'07	8.40482 AU
direct	-9703 Jul 03 j 13:49	19°♌59'53	
evening set	-9703 Oct 11 j 19:58	27°♌36'46	
conjunction	-9703 Oct 28 j 17:51	29°♌45'37	1°36'02
minimum elong	-9703 Oct 28 j 17:55	29°♌45'39	1°36'23
max. Earth dist.	-9703 Oct 28 j 03:17	29°♌40'58	10.31950 AU
	-9703 Oct 30 j 14:48	0°♍	
morning rise	-9703 Nov 14 j 20:33	1°♍56'08	
retrograde	-9702 Mar 01 j 19:01	10°♍03'47	
opposition	-9702 May 10 j 11:11	6°♍35'55	1°42'01
min. Earth dist.	-9702 May 10 j 20:31	6°♍34'04	8.23560 AU
direct	-9702 Jul 16 j 17:42	3°♍12'53	
evening set	-9702 Oct 25 j 07:15	11°♍00'40	
conjunction	-9702 Nov 11 j 10:56	13°♍13'40	1°07'21
minimum elong	-9702 Nov 11 j 11:00	13°♍13'42	1°07'35
max. Earth dist.	-9702 Nov 11 j 01:33	13°♍10'37	10.15621 AU
morning rise	-9702 Nov 28 j 20:12	15°♍28'31	
retrograde	-9701 Mar 16 j 14:45	23°♍49'43	
opposition	-9701 May 24 j 18:20	20°♍20'09	1°03'15
min. Earth dist.	-9701 May 24 j 22:44	20°♍19'16	8.07998 AU
direct	-9701 Jul 30 j 08:36	16°♍55'58	
evening set	-9701 Nov 08 j 09:17	24°♍54'47	
conjunction	-9701 Nov 25 j 19:04	27°♍11'50	0°33'51
minimum elong	-9701 Nov 25 j 19:06	27°♍11'50	0°33'57
max. Earth dist.	-9701 Nov 25 j 16:04	27°♍10'51	10.01116 AU
morning rise	-9701 Dec 13 j 10:47	29°♍30'48	
	-9701 Dec 17 j 05:32	0°♎	
retrograde	-9700 Mar 30 j 20:06	8°♎03'50	
opposition	-9700 Jun 07 j 10:00	4°♎32'50	0°19'14
min. Earth dist.	-9700 Jun 07 j 09:01	4°♎33'02	7.94776 AU
direct	-9700 Aug 12 j 10:27	1°♎07'28	
desc. node	-9700 Nov 12 j 01:23	7°♎59'19	
evening set	-9700 Nov 22 j 01:54	9°♎16'45	
conjunction	-9700 Dec 09 j 17:33	11°♎37'22	-0°02'45
minimum elong	-9700 Dec 09 j 17:33	11°♎37'22	0°02'48
behind sun begin	-9700 Dec 09 j 10:17	11°♎34'57	
behind sun end	-9700 Dec 10 j 00:49	11°♎39'46	
max. Earth dist.	-9700 Dec 09 j 21:55	11°♎38'47	9.89383 AU
morning rise	-9700 Dec 27 j 15:01	13°♎59'52	
retrograde	-9699 Apr 15 j 07:42	22°♎41'54	
opposition	-9699 Jun 22 j 08:06	19°♎09'51	-0°27'21
min. Earth dist.	-9699 Jun 22 j 01:38	19°♎11'11	7.84791 AU
direct	-9699 Aug 26 j 23:15	15°♎43'18	
evening set	-9699 Dec 07 j 08:08	24°♎01'44	
conjunction	-9699 Dec 25 j 04:50	26°♎25'05	-0°39'49
minimum elong	-9699 Dec 25 j 04:48	26°♎25'04	0°40'00
max. Earth dist.	-9699 Dec 25 j 16:47	26°♎29'06	9.81240 AU
morning rise	-9698 Jan 12 j 06:42	28°♎50'07	
	-9698 Jan 21 j 05:32	0°♏	
retrograde	-9698 Apr 30 j 21:58	7°♏37'17	
opposition	-9698 Jul 07 j 09:52	4°♏04'37	-1°13'04
min. Earth dist.	-9698 Jul 06 j 22:05	4°♏07'05	7.78743 AU
direct	-9698 Sep 10 j 20:32	0°♏36'57	
evening set	-9698 Dec 23 j 00:58	9°♏02'20	
conjunction	-9697 Jan 10 j 01:25	11°♏27'20	-1°14'45
minimum elong	-9697 Jan 10 j 01:21	11°♏27'18	1°15'04
max. Earth dist.	-9697 Jan 10 j 20:13	11°♏33'40	9.77256 AU
morning rise	-9697 Jan 28 j 05:58	13°♏53'39	
	-9697 Feb 05 j 17:19	15°♏	
retrograde	-9697 May 16 j 11:21	22°♏41'26	
opposition	-9697 Jul 22 j 12:34	19°♏08'41	-1°54'12
min. Earth dist.	-9697 Jul 21 j 20:12	19°♏12'07	7.77010 AU
direct	-9697 Sep 25 j 23:43	15°♏40'03	
evening set	-9696 Jan 08 j 00:05	24°♏09'27	
conjunction	-9696 Jan 26 j 02:47	26°♏34'51	-1°44'44
minimum elong	-9696 Jan 26 j 02:43	26°♏34'49	1°45'09
max. Earth dist.	-9696 Jan 27 j 02:50	26°♏42'56	9.77638 AU
morning rise	-9696 Feb 13 j 08:16	29°♏01'06	
	-9696 Feb 20 j 20:57	0°♐	
retrograde	-9696 May 30 j 20:04	7°♐44'59	
opposition	-9696 Aug 05 j 13:04	4°♐12'42	-2°27'24
min. Earth dist.	-9696 Aug 04 j 17:34	4°♐16'49	7.79597 AU
direct	-9696 Oct 10 j 05:07	0°♐43'20	
evening set	-9695 Jan 23 j 01:03	9°♐13'33	
conjunction	-9695 Feb 10 j 04:36	11°♐38'12	-2°07'26
minimum elong	-9695 Feb 10 j 04:32	11°♐38'11	2°07'56
max. Earth dist.	-9695 Feb 11 j 07:59	11°♐47'21	9.82266 AU
morning rise	-9695 Feb 28 j 09:27	14°♐03'12	
retrograde	-9695 Jun 14 j 21:04	22°♐38'57	
min. Earth dist.	-9695 Aug 19 j 11:21	19°♐12'10	7.86277 AU
opposition	-9695 Aug 20 j 08:32	19°♐07'43	-2°50'11
direct	-9695 Oct 25 j 09:47	15°♐37'54	
evening set	-9694 Feb 07 j 22:49	24°♐05'31	
conjunction	-9694 Feb 26 j 02:00	26°♐28'25	-2°21'21
minimum elong	-9694 Feb 26 j 01:58	26°♐28'24	2°21'54
max. Earth dist.	-9694 Feb 27 j 06:59	26°♐37'59	9.90855 AU
morning rise	-9694 Mar 16 j 05:00	28°♐51'08	
	-9694 Mar 25 j 04:53	0°♑	
retrograde	-9694 Jun 29 j 12:12	7°♑15'12	
opposition	-9694 Sep 03 j 20:56	3°♑45'26	-3°01'18
min. Earth dist.	-9694 Sep 02 j 23:29	3°♑49'55	7.96662 AU
direct	-9694 Nov 09 j 11:44	0°♑15'31	
evening set	-9693 Feb 23 j 12:27	8°♑37'07	
conjunction	-9693 Mar 13 j 14:18	10°♑57'26	-2°25'58
minimum elong	-9693 Mar 13 j 14:18	10°♑57'26	2°26'32
max. Earth dist.	-9693 Mar 14 j 18:58	11°♑06'46	10.02884 AU
morning rise	-9693 Mar 31 j 14:39	13°♑17'09	
retrograde	-9693 Jul 13 j 14:34	21°♑27'01	
min. Earth dist.	-9693 Sep 17 j 03:53	18°♑03'14	8.10096 AU

Attention, astronomical year style is used: The year -9693 in astronomical counting style is the year 9694 BCE in historical counting style.

opposition	-9693 Sep 18 j 00:16	17°♑59'01	-3°00'48
direct	-9693 Nov 24 j 07:56	14°♑29'21	
evening set	-9692 Mar 09 j 14:34	22°♑42'09	
conjunction	-9692 Mar 27 j 14:28	24°♑59'23	-2°21'41
minimum elong	-9692 Mar 27 j 14:30	24°♑59'23	2°22'14
max. Earth dist.	-9692 Mar 28 j 16:42	25°♑07'46	10.17576 AU
morning rise	-9692 Apr 14 j 11:44	27°♑15'39	
	-9692 May 07 j 08:01	0°♒	
retrograde	-9692 Jul 26 j 02:56	5°♒10'00	
opposition	-9692 Sep 30 j 17:19	1°♒43'59	-2°49'49
min. Earth dist.	-9692 Sep 29 j 22:45	1°♒47'46	8.25717 AU
	-9692 Oct 23 j 00:27	30°℞♑	
direct	-9692 Dec 07 j 20:27	28°♑14'52	
	-9691 Jan 22 j 07:33	0°♒	
evening set	-9691 Mar 24 j 02:55	6°♒17'00	
conjunction	-9691 Apr 11 j 00:25	8°♒30'53	-2°09'35
minimum elong	-9691 Apr 11 j 00:29	8°♒30'54	2°10'04
max. Earth dist.	-9691 Apr 11 j 23:00	8°♒37'58	10.33997 AU
morning rise	-9691 Apr 28 j 18:20	10°♒43'32	
	-9691 Jun 05 j 19:59	15°♒	
retrograde	-9691 Aug 08 j 01:45	18°♒22'17	
min. Earth dist.	-9691 Oct 13 j 07:45	15°♒01'35	8.42576 AU
	-9691 Oct 13 j 15:36	15°℞♒	
opposition	-9691 Oct 14 j 00:02	14°♒58'18	-2°30'05
direct	-9691 Dec 21 j 22:45	11°♒30'03	
	-9690 Feb 26 j 15:18	15°♒	
evening set	-9690 Apr 07 j 00:30	19°♒20'33	
conjunction	-9690 Apr 24 j 19:13	21°♒31'01	-1°51'08
minimum elong	-9690 Apr 24 j 19:17	21°♒31'02	1°51'33
max. Earth dist.	-9690 Apr 25 j 13:41	21°♒36'43	10.51184 AU
morning rise	-9690 May 12 j 09:29	23°♒40'03	
	-9690 Jul 16 j 20:37	0°♓	
retrograde	-9690 Aug 20 j 14:26	1°♓04'08	
	-9690 Sep 24 j 19:15	30°℞♒	
opposition	-9690 Oct 26 j 20:41	27°♒42'07	-2°03'41
min. Earth dist.	-9690 Oct 26 j 07:11	27°♒44'47	8.59748 AU
direct	-9689 Jan 04 j 13:12	24°♒14'59	
	-9689 Apr 03 j 20:19	0°♓	
evening set	-9689 Apr 20 j 07:38	1°♓53'44	
conjunction	-9689 May 07 j 23:14	4°♓00'53	-1°27'56
minimum elong	-9689 May 07 j 23:18	4°♓00'55	1°28'15
max. Earth dist.	-9689 May 08 j 13:31	4°♓05'13	10.68244 AU
morning rise	-9689 May 25 j 09:42	6°♓06'29	
retrograde	-9689 Sep 01 j 16:19	13°♓17'23	
opposition	-9689 Nov 08 j 08:05	9°♓57'15	-1°32'36
min. Earth dist.	-9689 Nov 07 j 22:40	9°♓59'05	8.76404 AU
direct	-9688 Jan 17 j 16:46	6°♓31'20	
evening set	-9688 May 02 j 01:18	13°♓58'58	
conjunction	-9688 May 19 j 13:25	16°♓03'00	-1°01'32
minimum elong	-9688 May 19 j 13:28	16°♓03'00	1°01'45
max. Earth dist.	-9688 May 19 j 22:34	16°♓05'43	10.84385 AU
morning rise	-9688 Jun 05 j 20:05	18°♓05'26	
retrograde	-9688 Sep 12 j 09:24	25°♓05'08	
opposition	-9688 Nov 19 j 11:31	21°♓46'42	-0°58'41
min. Earth dist.	-9688 Nov 19 j 06:52	21°♓47'35	8.91816 AU
direct	-9687 Jan 29 j 10:39	18°♓22'03	
evening set	-9687 May 14 j 07:09	25°♓39'40	
conjunction	-9687 May 31 j 15:21	27°♓40'50	-0°33'19
minimum elong	-9687 May 31 j 15:22	27°♓40'50	0°33'25
max. Earth dist.	-9687 May 31 j 18:20	27°♓41'42	10.98940 AU
morning rise	-9687 Jun 17 j 18:14	29°♓40'26	
	-9687 Jun 20 j 14:44	0°♈	
retrograde	-9687 Sep 23 j 18:15	6°♈31'08	
opposition	-9687 Dec 01 j 08:16	3°♈14'08	-0°23'31
min. Earth dist.	-9687 Dec 01 j 08:03	3°♈14'10	9.05387 AU
	-9686 Jan 27 j 22:28	30°℞♓	
direct	-9686 Feb 10 j 19:11	29°♓50'48	
	-9686 Feb 24 j 16:21	0°♈	
evening set	-9686 May 26 j 02:42	6°♈59'47	
conjunction	-9686 Jun 12 j 06:55	8°♈58'25	-0°04'33
minimum elong	-9686 Jun 12 j 06:55	8°♈58'25	0°04'32
behind sun begin	-9686 Jun 11 j 24:00	8°♈56'26	
behind sun end	-9686 Jun 12 j 13:50	9°♈00'23	
max. Earth dist.	-9686 Jun 12 j 04:13	8°♈57'40	11.11390 AU
morning rise	-9686 Jun 29 j 06:05	10°♈55'36	
asc. node	-9686 Aug 10 j 14:08	15°♈12'17	
retrograde	-9686 Oct 04 j 22:48	17°♈39'36	
opposition	-9686 Dec 12 j 23:49	14°♈23'42	0°11'34
min. Earth dist.	-9686 Dec 13 j 03:02	14°♈23'06	9.16646 AU
direct	-9685 Feb 22 j 21:00	11°♈01'39	
evening set	-9685 Jun 06 j 13:41	18°♈03'33	
conjunction	-9685 Jun 23 j 14:02	20°♈00'02	0°23'56
minimum elong	-9685 Jun 23 j 14:01	20°♈00'02	0°24'05
max. Earth dist.	-9685 Jun 23 j 07:18	19°♈58'07	11.21317 AU
morning rise	-9685 Jul 10 j 09:29	21°♈55'12	
retrograde	-9685 Oct 16 j 02:04	28°♈34'47	
opposition	-9685 Dec 24 j 11:44	25°♈19'44	0°45'30
min. Earth dist.	-9685 Dec 24 j 18:53	25°♈18'25	9.25221 AU
direct	-9684 Mar 05 j 14:17	21°♈58'51	
evening set	-9684 Jun 16 j 18:24	28°♈55'21	
	-9684 Jun 26 j 07:18	0°♉	
conjunction	-9684 Jul 03 j 14:49	0°♉50'07	0°51'02
minimum elong	-9684 Jul 03 j 14:47	0°♉50'06	0°51'16
max. Earth dist.	-9684 Jul 03 j 03:44	0°♉46'57	11.28401 AU
morning rise	-9684 Jul 20 j 06:45	2°♉43'43	
retrograde	-9684 Oct 26 j 01:35	9°♉21'06	
opposition	-9683 Jan 03 j 21:37	6°♉06'34	1°17'19
min. Earth dist.	-9683 Jan 04 j 09:17	6°♉04'26	9.30854 AU
direct	-9683 Mar 17 j 02:17	2°♉46'41	
evening set	-9683 Jun 27 j 18:31	9°♉39'32	
conjunction	-9683 Jul 14 j 11:05	11°♉33'00	1°16'04
minimum elong	-9683 Jul 14 j 11:02	11°♉32'59	1°16'23
max. Earth dist.	-9683 Jul 13 j 19:02	11°♉28'25	11.32447 AU
morning rise	-9683 Jul 31 j 00:03	13°♉25'30	
	-9683 Aug 14 j 11:32	15°♉	
retrograde	-9683 Nov 06 j 02:44	20°♉02'54	
opposition	-9682 Jan 15 j 07:07	16°♉48'32	1°46'12
min. Earth dist.	-9682 Jan 15 j 22:22	16°♉45'46	9.33383 AU
	-9682 Feb 10 j 16:07	15°℞♉	
direct	-9682 Mar 28 j 12:23	13°♉29'29	
	-9682 May 12 j 04:35	15°♉	
evening set	-9682 Jul 08 j 15:34	20°♉20'18	
max. Earth dist.	-9682 Jul 24 j 09:33	22°♉07'27	11.33338 AU
conjunction	-9682 Jul 25 j 04:49	22°♉12'57	1°38'20
minimum elong	-9682 Jul 25 j 04:46	22°♉12'56	1°38'44
morning rise	-9682 Aug 10 j 15:15	24°♉04'53	
	-9682 Oct 17 j 21:53	0°♊	
retrograde	-9682 Nov 17 j 05:28	0°♊44'24	
	-9682 Dec 18 j 04:29	30°℞♉	
opposition	-9681 Jan 26 j 17:30	27°♉29'49	2°11'24
min. Earth dist.	-9681 Jan 27 j 11:02	27°♉26'39	9.32718 AU
direct	-9681 Apr 08 j 19:37	24°♉11'22	
	-9681 Jul 10 j 03:34	0°♊	

Attention, astronomical year style is used: The year -9681 in astronomical counting style is the year 9682 BCE in historical counting style.

evening set	-9681 Jul 19 j 11:36	1°♊01'51		
conjunction	-9681 Aug 04 j 22:13	2°♊54'12	1°57'13	
minimum elong	-9681 Aug 04 j 22:10	2°♊54'11	1°57'41	
max. Earth dist.	-9681 Aug 04 j 00:54	2°♊48'05	11.31030 AU	
morning rise	-9681 Aug 21 j 06:34	4°♊46'03		
retrograde	-9681 Nov 28 j 14:12	11°♊29'40		
opposition	-9680 Feb 07 j 06:11	8°♊14'34	2°32'10	
min. Earth dist.	-9680 Feb 08 j 01:47	8°♊11'01	9.28861 AU	
direct	-9680 Apr 19 j 03:01	4°♊56'29		
evening set	-9680 Jul 29 j 08:22	11°♊48'13		
conjunction	-9680 Aug 14 j 16:52	13°♊40'49	2°12'05	
minimum elong	-9680 Aug 14 j 16:49	13°♊40'48	2°12'37	
max. Earth dist.	-9680 Aug 13 j 17:01	13°♊33'55	11.25584 AU	
morning rise	-9680 Aug 31 j 00:04	15°♊33'10		
retrograde	-9680 Dec 09 j 02:01	22°♊22'50		
opposition	-9679 Feb 17 j 23:00	19°♊06'51	2°47'49	
min. Earth dist.	-9679 Feb 18 j 20:58	19°♊02'51	9.21917 AU	
direct	-9679 Apr 30 j 09:39	15°♊48'52		
evening set	-9679 Aug 09 j 07:24	22°♊43'26		
conjunction	-9679 Aug 25 j 14:37	24°♊36'49	2°22'22	
minimum elong	-9679 Aug 25 j 14:35	24°♊36'49	2°22'56	
max. Earth dist.	-9679 Aug 24 j 12:45	24°♊29'16	11.17154 AU	
morning rise	-9679 Sep 10 j 21:45	26°♊30'16		
	-9679 Oct 13 j 22:48	0°♋		
retrograde	-9679 Dec 20 j 21:45	3°♋27'54		
opposition	-9678 Mar 01 j 20:59	0°♋10'41	2°57'39	
min. Earth dist.	-9678 Mar 02 j 20:07	0°♋06'27	9.12071 AU	
	-9678 Mar 04 j 07:23	30°℞♊		
direct	-9678 May 11 j 21:41	26°♊52'31		
	-9678 Jul 14 j 19:25	0°♋		
evening set	-9678 Aug 20 j 10:31	3°♋51'27		
conjunction	-9678 Sep 05 j 17:44	5°♋46'16	2°27'29	
minimum elong	-9678 Sep 05 j 17:44	5°♋46'16	2°28'04	
max. Earth dist.	-9678 Sep 04 j 15:47	5°♋38'36	11.05958 AU	
morning rise	-9678 Sep 22 j 01:45	7°♋41'25		
retrograde	-9677 Jan 02 j 02:08	14°♋48'44		
opposition	-9677 Mar 14 j 01:07	11°♋29'59	3°00'57	
min. Earth dist.	-9677 Mar 14 j 23:57	11°♋25'46	8.99575 AU	
direct	-9677 May 23 j 12:43	8°♋11'24		
evening set	-9677 Aug 31 j 19:34	15°♋16'15		
max. Earth dist.	-9677 Sep 16 j 02:42	17°♋05'32	10.92285 AU	
conjunction	-9677 Sep 17 j 04:00	17°♋13'07	2°26'55	
minimum elong	-9677 Sep 17 j 04:01	17°♋13'07	2°27'28	
morning rise	-9677 Oct 03 j 14:02	19°♋10'38		
retrograde	-9676 Jan 14 j 16:55	26°♋29'19		
opposition	-9676 Mar 25 j 13:04	23°♋08'47	2°57'03	
min. Earth dist.	-9676 Mar 26 j 10:42	23°♋04'45	8.84773 AU	
direct	-9676 Jun 03 j 09:13	19°♋49'35		
evening set	-9676 Sep 11 j 12:26	27°♋01'50		
conjunction	-9676 Sep 27 j 23:09	29°♋01'25	2°20'12	
minimum elong	-9676 Sep 27 j 23:11	29°♋01'26	2°20'44	
max. Earth dist.	-9676 Sep 26 j 22:25	28°♋53'52	10.76577 AU	
	-9676 Oct 05 j 23:22	0°♌		
morning rise	-9676 Oct 14 j 12:34	1°♌01'56		
retrograde	-9675 Jan 26 j 19:46	8°♌33'30		
opposition	-9675 Apr 07 j 09:59	5°♌11'02	2°45'22	
min. Earth dist.	-9675 Apr 08 j 06:05	5°♌07'14	8.68224 AU	
direct	-9675 Jun 15 j 12:37	1°♌50'59		
evening set	-9675 Sep 23 j 15:14	9°♌12'01		
max. Earth dist.	-9675 Oct 09 j 06:41	11°♌07'49	10.59496 AU	
conjunction	-9675 Oct 10 j 05:30	11°♌14'54	2°07'01	
minimum elong	-9675 Oct 10 j 05:33	11°♌14'55	2°07'30	
morning rise	-9675 Oct 26 j 23:38	13°♌19'03		
	-9675 Nov 10 j 03:14	15°♌		
retrograde	-9674 Feb 09 j 08:44	21°♌04'31		
opposition	-9674 Apr 20 j 16:25	17°♌39'59	2°25'34	
min. Earth dist.	-9674 Apr 21 j 10:03	17°♌36'36	8.50691 AU	
	-9674 May 30 j 17:51	15°℞♌		
direct	-9674 Jun 28 j 01:06	14°♌18'52		
	-9674 Jul 25 j 20:41	15°♌		
evening set	-9674 Oct 06 j 05:36	21°♌49'50		
max. Earth dist.	-9674 Oct 22 j 05:58	23°♌50'34	10.41849 AU	
conjunction	-9674 Oct 23 j 00:42	23°♌56'30	1°47'19	
minimum elong	-9674 Oct 23 j 00:46	23°♌56'32	1°47'43	
morning rise	-9674 Nov 09 j 00:29	26°♌04'44		
	-9674 Dec 13 j 02:17	0°♍		
retrograde	-9673 Feb 23 j 09:52	4°♍04'35		
opposition	-9673 May 04 j 08:45	0°♍37'56	1°57'38	
min. Earth dist.	-9673 May 04 j 22:29	0°♍35'14	8.33038 AU	
	-9673 May 12 j 11:42	30°℞♌		
direct	-9673 Jul 11 j 00:52	27°♌15'36		
	-9673 Sep 05 j 04:24	0°♍		
evening set	-9673 Oct 19 j 09:10	4°♍57'16		
conjunction	-9673 Nov 05 j 09:58	7°♍08'04	1°21'24	
minimum elong	-9673 Nov 05 j 10:02	7°♍08'05	1°21'41	
max. Earth dist.	-9673 Nov 04 j 21:01	7°♍03'53	10.24527 AU	
morning rise	-9673 Nov 22 j 15:57	9°♍20'37		
retrograde	-9672 Mar 08 j 23:25	17°♍34'36		
opposition	-9672 May 17 j 10:47	14°♍05'54	1°22'10	
min. Earth dist.	-9672 May 17 j 19:05	14°♍04'15	8.16210 AU	
direct	-9672 Jul 23 j 10:28	10°♍42'16		
evening set	-9672 Nov 01 j 03:14	18°♍35'02		
conjunction	-9672 Nov 18 j 10:10	20°♍50'01	0°50'05	
minimum elong	-9672 Nov 18 j 10:13	20°♍50'01	0°50'15	
max. Earth dist.	-9672 Nov 18 j 03:38	20°♍47'52	10.08502 AU	
morning rise	-9672 Dec 05 j 22:37	23°♍06'52		
	-9671 Feb 09 j 06:52	0°♎		
retrograde	-9671 Mar 24 j 00:22	1°♎33'49		
	-9671 May 06 j 09:22	30°℞♍		
opposition	-9671 May 31 j 21:49	28°♍03'18	0°40'29	
min. Earth dist.	-9671 Jun 01 j 00:10	28°♍02'49	8.01202 AU	
direct	-9671 Aug 06 j 05:39	24°♍38'18		
	-9671 Oct 24 j 21:10	0°♎		
evening set	-9671 Nov 15 j 12:15	2°♎42'02		
conjunction	-9671 Dec 03 j 01:14	5°♎00'55	0°14'52	
minimum elong	-9671 Dec 03 j 01:14	5°♎00'55	0°14'53	
behind sun begin	-9671 Dec 02 j 22:31	5°♎00'01		
behind sun end	-9671 Dec 03 j 03:58	5°♎01'49		
max. Earth dist.	-9671 Dec 03 j 01:30	5°♎01'00	9.94754 AU	
morning rise	-9671 Dec 20 j 19:52	7°♎21'43		
retrograde	-9670 Apr 08 j 09:12	15°♎59'22		
desc. node	-9670 May 05 j 05:11	15°♎21'00		
opposition	-9670 Jun 15 j 16:23	12°♎27'24	-0°05'08	
min. Earth dist.	-9670 Jun 15 j 12:54	12°♎28'07	7.88966 AU	
direct	-9670 Aug 20 j 12:24	9°♎01'01		
evening set	-9670 Nov 30 j 11:38	17°♎14'57		
conjunction	-9670 Dec 18 j 05:59	19°♎37'05	-0°22'16	
minimum elong	-9670 Dec 18 j 05:58	19°♎37'04	0°22'24	
max. Earth dist.	-9670 Dec 18 j 13:06	19°♎39'27	9.84186 AU	
morning rise	-9669 Jan 05 j 05:48	22°♎01'01		
	-9669 Mar 25 j 18:36	0°♏		
retrograde	-9669 Apr 23 j 22:20	0°♏46'07		

Attention, astronomical year style is used: The year -9669 in astronomical counting style is the year 9670 BCE in historical counting style.

	-9669 May 23 j 03:16	30°℞♎		
opposition	-9669 Jun 30 j 16:15	27°♎13'11	-0°51'38	
min. Earth dist.	-9669 Jun 30 j 07:28	27°♎15'01	7.80344 AU	
direct	-9669 Sep 04 j 04:55	23°♎45'31		
	-9669 Nov 29 j 09:25	0°♏		
evening set	-9669 Dec 15 j 23:16	2°♏07'55		
conjunction	-9668 Jan 02 j 21:58	4°♏32'21	-0°58'33	
minimum elong	-9668 Jan 02 j 21:55	4°♏32'20	0°58'48	
max. Earth dist.	-9668 Jan 03 j 11:47	4°♏37'01	9.77563 AU	
morning rise	-9668 Jan 21 j 01:28	6°♏58'19		
	-9668 Apr 09 j 09:49	15°♏		
retrograde	-9668 May 08 j 12:47	15°♏46'43		
	-9668 Jun 06 j 16:35	15°℞♏		
opposition	-9668 Jul 14 j 18:50	12°♏13'21	-1°35'24	
min. Earth dist.	-9668 Jul 14 j 05:32	12°♏16'09	7.75971 AU	
direct	-9668 Sep 18 j 04:59	8°♏44'33		
	-9668 Dec 13 j 14:33	15°♏		
evening set	-9668 Dec 30 j 19:46	17°♏12'53		
conjunction	-9667 Jan 17 j 21:29	19°♏38'25	-1°31'12	
minimum elong	-9667 Jan 17 j 21:25	19°♏38'23	1°31'35	
max. Earth dist.	-9667 Jan 18 j 17:26	19°♏45'09	9.75383 AU	
morning rise	-9667 Feb 05 j 02:56	22°♏05'05		
	-9667 Apr 23 j 09:52	0°♐		
retrograde	-9667 May 24 j 00:22	0°♐52'05		
	-9667 Jun 23 j 16:35	30°℞♏		
opposition	-9667 Jul 29 j 20:58	27°♏18'54	-2°12'47	
min. Earth dist.	-9667 Jul 29 j 03:54	27°♏22'30	7.76158 AU	
direct	-9667 Oct 03 j 09:47	23°♏49'12		
	-9667 Dec 28 j 14:08	0°♐		
evening set	-9666 Jan 15 j 20:46	2°♐20'11		
conjunction	-9666 Feb 03 j 00:02	4°♐45'34	-1°57'37	
minimum elong	-9666 Feb 02 j 23:58	4°♐45'33	1°58'06	
max. Earth dist.	-9666 Feb 04 j 00:47	4°♐53'53	9.77802 AU	
morning rise	-9666 Feb 21 j 05:37	7°♐11'34		
retrograde	-9666 Jun 08 j 05:19	15°♐52'27		
opposition	-9666 Aug 13 j 19:27	12°♐20'03	-2°40'48	
min. Earth dist.	-9666 Aug 12 j 23:32	12°♐24'15	7.80872 AU	
direct	-9666 Oct 18 j 15:59	8°♐49'46		
evening set	-9665 Jan 31 j 20:50	17°♐19'46		
conjunction	-9665 Feb 19 j 00:19	19°♐43'49	-2°15'52	
minimum elong	-9665 Feb 19 j 00:16	19°♐43'48	2°16'24	
max. Earth dist.	-9665 Feb 20 j 04:13	19°♐53'07	9.84635 AU	
morning rise	-9665 Mar 09 j 04:34	22°♐07'59		
	-9665 May 27 j 21:12	0°♑		
retrograde	-9665 Jun 23 j 01:19	0°♑38'40		
	-9665 Jul 19 j 07:11	30°℞♐		
opposition	-9665 Aug 28 j 11:44	27°♐07'33	-2°57'33	
min. Earth dist.	-9665 Aug 27 j 13:58	27°♐12'07	7.89745 AU	
direct	-9665 Nov 02 j 20:39	23°♐37'04		
	-9664 Jan 31 j 08:23	0°♑		
evening set	-9664 Feb 16 j 14:47	2°♑02'26		
conjunction	-9664 Mar 05 j 17:29	4°♑24'15	-2°24'55	
minimum elong	-9664 Mar 05 j 17:28	4°♑24'14	2°25'29	
max. Earth dist.	-9664 Mar 06 j 22:48	4°♑33'53	9.95367 AU	
morning rise	-9664 Mar 23 j 19:23	6°♑45'40		
retrograde	-9664 Jul 06 j 09:30	15°♑03'03		
opposition	-9664 Sep 10 j 19:35	11°♑33'39	-3°02'28	
min. Earth dist.	-9664 Sep 09 j 21:14	11°♑38'18	8.02119 AU	
direct	-9664 Nov 16 j 20:07	8°♑03'24		
evening set	-9663 Mar 02 j 22:54	16°♑21'04		
conjunction	-9663 Mar 21 j 00:01	18°♑39'58	-2°24'45	
minimum elong	-9663 Mar 21 j 00:03	18°♑39'58	2°25'19	
max. Earth dist.	-9663 Mar 22 j 04:57	18°♑49'19	10.09223 AU	
morning rise	-9663 Apr 07 j 22:53	20°♑58'04		
retrograde	-9663 Jul 20 j 04:50	29°♑00'18		
opposition	-9663 Sep 24 j 17:36	25°♑32'57	-2°56'14	
min. Earth dist.	-9663 Sep 23 j 20:26	25°♑37'18	8.17145 AU	
direct	-9663 Dec 01 j 11:47	22°♑03'17		
	-9662 Mar 16 j 06:41	0°♒		
evening set	-9662 Mar 17 j 18:10	0°♒11'00		
conjunction	-9662 Apr 04 j 17:05	2°♒26'37	-2°16'10	
minimum elong	-9662 Apr 04 j 17:08	2°♒26'38	2°16'41	
max. Earth dist.	-9662 Apr 05 j 19:44	2°♒35'03	10.25289 AU	
morning rise	-9662 Apr 22 j 12:35	4°♒41'06		
retrograde	-9662 Aug 02 j 11:35	12°♒27'36		
min. Earth dist.	-9662 Oct 07 j 10:55	9°♒06'14	8.33892 AU	
opposition	-9662 Oct 08 j 05:31	9°♒02'28	-2°40'21	
direct	-9662 Dec 15 j 17:26	5°♒33'44		
evening set	-9661 Mar 31 j 22:56	13°♒30'05		
	-9661 Apr 13 j 03:02	15°♒		
conjunction	-9661 Apr 18 j 19:08	15°♒42'16	-2°00'30	
minimum elong	-9661 Apr 18 j 19:12	15°♒42'18	2°00'56	
max. Earth dist.	-9661 Apr 19 j 17:43	15°♒49'17	10.42600 AU	
morning rise	-9661 May 06 j 11:07	17°♒53'05		
retrograde	-9661 Aug 15 j 06:17	25°♒24'19		
opposition	-9661 Oct 21 j 07:08	22°♒01'27	-2°16'47	
min. Earth dist.	-9661 Oct 20 j 16:01	22°♒04'27	8.51414 AU	
direct	-9661 Dec 29 j 13:12	18°♒33'52		
evening set	-9660 Apr 13 j 13:18	26°♒18'27		
conjunction	-9660 May 01 j 06:24	28°♒27'13	-1°39'17	
minimum elong	-9660 May 01 j 06:28	28°♒27'15	1°39'39	
max. Earth dist.	-9660 May 01 j 23:32	28°♒32'27	10.60216 AU	
	-9660 May 13 j 23:50	0°♓		
morning rise	-9660 May 18 j 18:49	0°♓34'29		
retrograde	-9660 Aug 26 j 11:46	7°♓51'40		
opposition	-9660 Nov 01 j 23:02	4°♓30'56	-1°47'35	
min. Earth dist.	-9660 Nov 01 j 11:30	4°♓33'11	8.68807 AU	
direct	-9659 Jan 10 j 23:34	1°♓04'42		
evening set	-9659 Apr 26 j 13:48	8°♓37'47		
conjunction	-9659 May 14 j 03:32	10°♓43'17	-1°14'09	
minimum elong	-9659 May 14 j 03:35	10°♓43'17	1°14'25	
max. Earth dist.	-9659 May 14 j 15:01	10°♓46'43	10.77270 AU	
morning rise	-9659 May 31 j 12:11	12°♓47'13		
retrograde	-9659 Sep 07 j 08:59	19°♓52'10		
opposition	-9659 Nov 14 j 06:28	16°♓33'19	-1°14'43	
min. Earth dist.	-9659 Nov 13 j 22:27	16°♓34'52	8.85258 AU	
direct	-9658 Jan 23 j 23:23	13°♓08'31		
evening set	-9658 May 09 j 01:26	20°♓30'53		
conjunction	-9658 May 26 j 11:34	22°♓33'21	-0°46'35	
minimum elong	-9658 May 26 j 11:36	22°♓33'22	0°46'44	
max. Earth dist.	-9658 May 26 j 18:16	22°♓35'20	10.92993 AU	
morning rise	-9658 Jun 12 j 16:17	24°♓34'15		
	-9658 Aug 07 j 21:40	0°♈		
retrograde	-9658 Sep 18 j 23:34	1°♈29'04		
	-9658 Nov 01 j 01:49	30°℞♓		
opposition	-9658 Nov 26 j 06:38	28°♓11'51	-0°39'55	
min. Earth dist.	-9658 Nov 26 j 02:58	28°♓12'33	9.00060 AU	
direct	-9657 Feb 05 j 11:20	24°♓48'26		
	-9657 May 02 j 17:13	0°♈		
evening set	-9657 May 21 j 02:06	2°♈01'20		
conjunction	-9657 Jun 07 j 08:22	4°♈01'06	-0°17'53	
minimum elong	-9657 Jun 07 j 08:22	4°♈01'06	0°17'55	

Attention, astronomical year style is used: The year -9657 in astronomical counting style is the year 9658 BCE in historical counting style.

max. Earth dist.	-9657 Jun 07 j 09:44	4°♈01'30	11.06727 AU
morning rise	-9657 Jun 24 j 09:10	5°♈59'21	
retrograde	-9657 Sep 30 j 06:25	12°♈46'15	
opposition	-9657 Dec 08 j 00:44	9°♈30'21	-0°04'36
min. Earth dist.	-9657 Dec 08 j 02:30	9°♈30'01	9.12611 AU
asc. node	-9656 Jan 26 j 00:03	6°♈32'14	
direct	-9656 Feb 17 j 16:03	6°♈08'12	
evening set	-9656 May 31 j 17:32	13°♈13'16	
conjunction	-9656 Jun 17 j 19:40	15°♈10'40	0°10'55
minimum elong	-9656 Jun 17 j 19:40	15°♈10'40	0°11'00
behind sun begin	-9656 Jun 17 j 14:22	15°♈09'09	
behind sun end	-9656 Jun 18 j 00:59	15°♈12'11	
max. Earth dist.	-9656 Jun 17 j 14:30	15°♈09'12	11.17926 AU
morning rise	-9656 Jul 04 j 16:50	17°♈06'41	
retrograde	-9656 Oct 10 j 09:35	23°♈48'03	
opposition	-9656 Dec 18 j 14:34	20°♈33'08	0°30'00
min. Earth dist.	-9656 Dec 18 j 21:09	20°♈31'55	9.22430 AU
direct	-9655 Feb 28 j 13:35	17°♈12'09	
evening set	-9655 Jun 12 j 01:28	24°♈11'03	
conjunction	-9655 Jun 28 j 23:34	26°♈06'32	0°38'43
minimum elong	-9655 Jun 28 j 23:32	26°♈06'32	0°38'55
max. Earth dist.	-9655 Jun 28 j 12:54	26°♈03'29	11.26218 AU
morning rise	-9655 Jul 15 j 17:13	28°♈00'48	
	-9655 Aug 03 j 02:05	0°♉	
retrograde	-9655 Oct 21 j 10:10	4°♉39'00	
opposition	-9655 Dec 30 j 01:37	1°♉24'39	1°02'56
min. Earth dist.	-9655 Dec 30 j 11:49	1°♉22'47	9.29231 AU
	-9654 Jan 18 j 23:46	30°℞♈	
direct	-9654 Mar 12 j 05:51	28°♈04'39	
	-9654 May 02 j 00:10	0°♉	
evening set	-9654 Jun 23 j 03:50	4°♉59'07	
conjunction	-9654 Jul 09 j 22:14	6°♉53'08	1°04'48
minimum elong	-9654 Jul 09 j 22:11	6°♉53'07	1°05'05
max. Earth dist.	-9654 Jul 09 j 07:51	6°♉49'01	11.31409 AU
morning rise	-9654 Jul 26 j 12:31	8°♉46'05	
	-9654 Oct 10 j 16:35	15°♉	
retrograde	-9654 Nov 01 j 12:21	15°♉23'19	
	-9654 Nov 23 j 12:59	15°℞♉	
opposition	-9653 Jan 10 j 11:23	12°♉09'10	1°33'17
min. Earth dist.	-9653 Jan 11 j 01:01	12°♉06'41	9.32878 AU
direct	-9653 Mar 23 j 17:10	8°♉49'56	
	-9653 Jun 27 j 19:43	15°♉	
evening set	-9653 Jul 04 j 02:26	15°♉41'37	
conjunction	-9653 Jul 20 j 17:20	17°♉34'38	1°28'26
minimum elong	-9653 Jul 20 j 17:17	17°♉34'37	1°28'49
max. Earth dist.	-9653 Jul 19 j 23:12	17°♉29'27	11.33400 AU
morning rise	-9653 Aug 06 j 04:47	19°♉26'47	
retrograde	-9653 Nov 12 j 13:40	26°♉05'08	
opposition	-9652 Jan 21 j 21:27	22°♉50'48	2°00'16
min. Earth dist.	-9652 Jan 22 j 15:04	22°♉47'36	9.33303 AU
direct	-9652 Apr 03 j 00:27	19°♉32'05	
evening set	-9652 Jul 13 j 23:06	26°♉22'41	
conjunction	-9652 Jul 30 j 10:48	28°♉15'09	1°48'58
minimum elong	-9652 Jul 30 j 10:45	28°♉15'08	1°49'25
max. Earth dist.	-9652 Jul 29 j 12:35	28°♉08'47	11.32168 AU
	-9652 Aug 14 j 19:07	0°♊	
morning rise	-9652 Aug 15 j 20:05	0°♊07'01	
retrograde	-9652 Nov 22 j 18:31	6°♊48'34	
opposition	-9651 Feb 01 j 09:09	3°♊33'40	2°23'11
min. Earth dist.	-9651 Feb 02 j 05:42	3°♊29'57	9.30516 AU
direct	-9651 Apr 14 j 08:56	0°♊15'13	
evening set	-9651 Jul 24 j 19:21	7°♊06'21	
max. Earth dist.	-9651 Aug 09 j 04:20	8°♊51'48	11.27775 AU
conjunction	-9651 Aug 10 j 04:41	8°♊58'49	2°05'46
minimum elong	-9651 Aug 10 j 04:38	8°♊58'48	2°06'17
morning rise	-9651 Aug 26 j 12:27	10°♊50'56	
retrograde	-9651 Dec 04 j 03:56	17°♊37'42	
opposition	-9650 Feb 12 j 23:55	14°♊21'51	2°41'19
min. Earth dist.	-9650 Feb 13 j 21:41	14°♊17'54	9.24610 AU
direct	-9650 Apr 25 j 16:42	11°♊03'28	
evening set	-9650 Aug 04 j 16:54	17°♊56'43	
max. Earth dist.	-9650 Aug 19 j 23:44	19°♊42'28	11.20347 AU
conjunction	-9650 Aug 21 j 00:47	19°♊49'45	2°18'14
minimum elong	-9650 Aug 21 j 00:45	19°♊49'44	2°18'48
morning rise	-9650 Sep 06 j 07:49	21°♊42'41	
retrograde	-9650 Dec 15 j 21:34	28°♊36'34	
opposition	-9649 Feb 24 j 19:09	25°♊19'30	2°53'57
min. Earth dist.	-9649 Feb 25 j 17:41	25°♊15'23	9.15752 AU
direct	-9649 May 07 j 02:31	22°♊00'57	
evening set	-9649 Aug 15 j 17:52	28°♊57'55	
	-9649 Aug 24 j 15:38	0°♋	
max. Earth dist.	-9649 Aug 30 j 22:42	0°♋44'21	11.10113 AU
conjunction	-9649 Sep 01 j 01:05	0°♋52'06	2°25'50
minimum elong	-9649 Sep 01 j 01:04	0°♋52'06	2°26'24
morning rise	-9649 Sep 17 j 08:30	2°♋46'29	
retrograde	-9649 Dec 27 j 20:45	9°♋49'17	
opposition	-9648 Mar 07 j 20:09	6°♋30'45	3°00'23
min. Earth dist.	-9648 Mar 08 j 19:26	6°♋26'28	9.04221 AU
direct	-9648 May 17 j 13:29	3°♋11'50	
evening set	-9648 Aug 25 j 23:51	10°♋14'05	
max. Earth dist.	-9648 Sep 10 j 04:37	12°♋02'01	10.97409 AU
conjunction	-9648 Sep 11 j 07:29	12°♋10'01	2°27'58
minimum elong	-9648 Sep 11 j 07:30	12°♋10'02	2°28'32
morning rise	-9648 Sep 27 j 16:34	14°♋06'29	
retrograde	-9647 Jan 08 j 05:21	21°♋19'58	
opposition	-9647 Mar 20 j 04:27	17°♋59'44	2°59'54
min. Earth dist.	-9647 Mar 21 j 03:29	17°♋55'27	8.90401 AU
direct	-9647 May 29 j 08:24	14°♋40'15	
evening set	-9647 Sep 06 j 12:35	21°♋49'13	
conjunction	-9647 Sep 22 j 22:05	23°♋47'35	2°24'10
minimum elong	-9647 Sep 22 j 22:06	23°♋47'35	2°24'42
max. Earth dist.	-9647 Sep 21 j 21:04	23°♋40'00	10.82659 AU
morning rise	-9647 Oct 09 j 09:54	25°♋46'45	
	-9647 Nov 17 j 13:24	0°♌	
retrograde	-9646 Jan 21 j 02:21	3°♌12'25	
	-9646 Mar 30 j 17:28	30°℞♋	
opposition	-9646 Apr 01 j 20:55	29°♋50'19	2°51'54
min. Earth dist.	-9646 Apr 02 j 17:49	29°♋46'23	8.74772 AU
direct	-9646 Jun 10 j 09:18	26°♋30'09	
	-9646 Aug 15 j 07:55	0°♌	
evening set	-9646 Sep 18 j 10:17	3°♌47'11	
conjunction	-9646 Oct 04 j 22:55	5°♌48'34	2°14'01
minimum elong	-9646 Oct 04 j 22:58	5°♌48'35	2°14'31
max. Earth dist.	-9646 Oct 04 j 00:41	5°♌41'42	10.66392 AU
morning rise	-9646 Oct 21 j 14:40	7°♌51'02	
	-9645 Jan 09 j 19:57	15°♌	
retrograde	-9645 Feb 03 j 10:15	15°♌30'05	
	-9645 Feb 28 j 06:24	15°℞♌	
opposition	-9645 Apr 14 j 22:22	12°♌06'02	2°35'54
min. Earth dist.	-9645 Apr 15 j 16:03	12°♌02'39	8.57935 AU
direct	-9645 Jun 22 j 16:29	8°♌45'00	
	-9645 Sep 20 j 22:38	15°♌	
evening set	-9645 Sep 30 j 18:50	16°♌11'22	

Attention, astronomical year style is used: The year -9645 in astronomical counting style is the year 9646 BCE in historical counting style.

conjunction	-9645 Oct 17 j 11:38	18°♌16'17	1°57'20
minimum elong	-9645 Oct 17 j 11:42	18°♌16'18	1°57'46
max. Earth dist.	-9645 Oct 16 j 16:31	18°♌10'17	10.49279 AU
morning rise	-9645 Nov 03 j 08:31	20°♌22'36	
retrograde	-9644 Feb 17 j 06:36	28°♌15'46	
opposition	-9644 Apr 27 j 09:52	24°♌49'45	2°11'42
min. Earth dist.	-9644 Apr 27 j 23:43	24°♌47'03	8.40632 AU
direct	-9644 Jul 04 j 10:07	21°♌27'45	
evening set	-9644 Oct 12 j 15:45	29°♌04'22	
	-9644 Oct 20 j 00:10	0°♍	
conjunction	-9644 Oct 29 j 13:41	1°♍13'14	1°34'14
minimum elong	-9644 Oct 29 j 13:45	1°♍13'15	1°34'35
max. Earth dist.	-9644 Oct 28 j 22:27	1°♍08'21	10.32118 AU
morning rise	-9644 Nov 15 j 16:41	3°♍23'45	
retrograde	-9643 Mar 02 j 15:15	11°♍31'12	
opposition	-9643 May 11 j 07:23	8°♍03'17	1°39'35
min. Earth dist.	-9643 May 11 j 17:09	8°♍01'21	8.23731 AU
direct	-9643 Jul 17 j 13:34	4°♍40'11	
evening set	-9643 Oct 26 j 02:49	12°♍27'42	
conjunction	-9643 Nov 12 j 06:39	14°♍40'42	1°05'17
minimum elong	-9643 Nov 12 j 06:43	14°♍40'43	1°05'31
max. Earth dist.	-9643 Nov 11 j 21:03	14°♍37'35	10.15806 AU
morning rise	-9643 Nov 29 j 16:12	16°♍55'34	
retrograde	-9642 Mar 17 j 10:52	25°♍16'31	
opposition	-9642 May 25 j 14:13	21°♍46'54	1°00'33
min. Earth dist.	-9642 May 25 j 19:10	21°♍45'54	8.08179 AU
direct	-9642 Jul 31 j 04:06	18°♍22'38	
evening set	-9642 Nov 09 j 04:43	26°♍21'13	
conjunction	-9642 Nov 26 j 14:45	28°♍38'15	0°31'38
minimum elong	-9642 Nov 26 j 14:47	28°♍38'16	0°31'44
max. Earth dist.	-9642 Nov 26 j 12:04	28°♍37'22	10.01296 AU
	-9642 Dec 06 j 22:53	0°♎	
morning rise	-9642 Dec 14 j 06:39	0°♎57'14	
retrograde	-9641 Apr 01 j 15:10	9°♎30'00	
opposition	-9641 Jun 09 j 05:29	5°♎58'57	0°16'25
min. Earth dist.	-9641 Jun 09 j 04:44	5°♎59'06	7.94945 AU
direct	-9641 Aug 14 j 07:03	2°♎33'31	
desc. node	-9641 Oct 21 j 19:15	6°♎41'06	
evening set	-9641 Nov 23 j 21:16	10°♎42'37	
conjunction	-9641 Dec 11 j 13:09	13°♎03'13	-0°04'59
minimum elong	-9641 Dec 11 j 13:09	13°♎03'13	0°05'02
behind sun begin	-9641 Dec 11 j 06:04	13°♎00'52	
behind sun end	-9641 Dec 11 j 20:13	13°♎05'33	
max. Earth dist.	-9641 Dec 11 j 18:12	13°♎04'52	9.89538 AU
morning rise	-9641 Dec 29 j 10:37	15°♎25'41	
retrograde	-9640 Apr 16 j 01:53	24°♎07'30	
opposition	-9640 Jun 23 j 03:13	20°♎35'23	-0°30'06
min. Earth dist.	-9640 Jun 22 j 20:27	20°♎36'47	7.84936 AU
direct	-9640 Aug 27 j 19:24	17°♎08'49	
evening set	-9640 Dec 08 j 03:27	25°♎27'06	
conjunction	-9640 Dec 26 j 00:18	27°♎50'27	-0°41'56
minimum elong	-9640 Dec 26 j 00:15	27°♎50'26	0°42'08
max. Earth dist.	-9640 Dec 26 j 12:59	27°♎54'43	9.81372 AU
	-9639 Jan 11 j 03:18	0°♏	
morning rise	-9639 Jan 13 j 02:06	0°♏15'26	
retrograde	-9639 May 01 j 16:16	9°♏02'26	
opposition	-9639 Jul 08 j 04:46	5°♏29'44	-1°15'34
min. Earth dist.	-9639 Jul 07 j 16:23	5°♏32'20	7.78877 AU
direct	-9639 Sep 11 j 15:31	2°♏02'04	
evening set	-9639 Dec 23 j 20:21	10°♏27'22	
conjunction	-9638 Jan 10 j 20:52	12°♏52'21	-1°16'36
minimum elong	-9638 Jan 10 j 20:48	12°♏52'20	1°16'56
max. Earth dist.	-9638 Jan 11 j 16:07	12°♏58'51	9.77394 AU
	-9638 Jan 26 j 17:05	15°♏	
morning rise	-9638 Jan 29 j 01:21	15°♏18'37	
retrograde	-9638 May 17 j 06:02	24°♏06'14	
opposition	-9638 Jul 23 j 07:17	20°♏33'29	-1°56'18
min. Earth dist.	-9638 Jul 22 j 14:34	20°♏37'00	7.77176 AU
direct	-9638 Sep 26 j 17:31	17°♏04'50	
evening set	-9637 Jan 08 j 19:39	25°♏34'12	
conjunction	-9637 Jan 26 j 22:16	27°♏59'33	-1°46'12
minimum elong	-9637 Jan 26 j 22:11	27°♏59'31	1°46'38
max. Earth dist.	-9637 Jan 27 j 22:26	28°♏07'40	9.77840 AU
	-9637 Feb 10 j 21:46	0°♐	
morning rise	-9637 Feb 14 j 03:38	0°♐25'44	
retrograde	-9637 Jun 01 j 15:10	9°♐09'19	
opposition	-9637 Aug 07 j 07:36	5°♐37'03	-2°28'56
min. Earth dist.	-9637 Aug 06 j 12:13	5°♐41'08	7.79853 AU
direct	-9637 Oct 11 j 22:40	2°♐07'38	
evening set	-9636 Jan 24 j 20:27	10°♐37'43	
conjunction	-9636 Feb 11 j 23:50	13°♐02'17	-2°08'25
minimum elong	-9636 Feb 11 j 23:46	13°♐02'15	2°08'56
max. Earth dist.	-9636 Feb 13 j 02:48	13°♐11'17	9.82560 AU
morning rise	-9636 Mar 01 j 04:36	15°♐27'11	
retrograde	-9636 Jun 15 j 16:39	24°♐02'32	
min. Earth dist.	-9636 Aug 20 j 06:22	20°♐35'38	7.86594 AU
opposition	-9636 Aug 21 j 02:51	20°♐31'19	-2°51'04
direct	-9636 Oct 26 j 04:22	17°♐01'27	
evening set	-9635 Feb 08 j 17:52	25°♐28'56	
conjunction	-9635 Feb 26 j 20:53	27°♐51'43	-2°21'48
minimum elong	-9635 Feb 26 j 20:51	27°♐51'42	2°22'22
max. Earth dist.	-9635 Feb 28 j 00:47	28°♐00'56	9.91160 AU
	-9635 Mar 15 j 03:31	0°♑	
morning rise	-9635 Mar 16 j 23:54	0°♑14'23	
retrograde	-9635 Jun 30 j 06:43	8°♑38'04	
opposition	-9635 Sep 04 j 15:01	5°♑08'22	-3°01'30
min. Earth dist.	-9635 Sep 03 j 18:30	5°♑12'39	7.96941 AU
direct	-9635 Nov 10 j 07:05	1°♑38'25	
evening set	-9634 Feb 24 j 07:23	9°♑59'58	
conjunction	-9634 Mar 14 j 09:07	12°♑20'13	-2°25'52
minimum elong	-9634 Mar 14 j 09:07	12°♑20'13	2°26'26
max. Earth dist.	-9634 Mar 15 j 12:19	12°♑29'04	10.03112 AU
morning rise	-9634 Apr 01 j 09:30	14°♑39'54	
retrograde	-9634 Jul 14 j 07:38	22°♑49'30	
opposition	-9634 Sep 18 j 18:10	19°♑21'36	-3°00'21
min. Earth dist.	-9634 Sep 17 j 22:17	19°♑25'42	8.10268 AU
direct	-9634 Nov 25 j 03:31	15°♑51'55	
evening set	-9633 Mar 11 j 09:20	24°♑04'46	
conjunction	-9633 Mar 29 j 09:13	26°♑21'59	-2°21'04
minimum elong	-9633 Mar 29 j 09:15	26°♑22'00	2°21'37
max. Earth dist.	-9633 Mar 30 j 10:25	26°♑30'02	10.17683 AU
morning rise	-9633 Apr 16 j 06:29	28°♑38'14	
	-9633 Apr 27 j 08:24	0°♒	
retrograde	-9633 Jul 27 j 20:04	6°♒32'30	
opposition	-9633 Oct 02 j 11:18	3°♒06'33	-2°48'45
min. Earth dist.	-9633 Oct 01 j 16:36	3°♒10'22	8.25757 AU
	-9633 Nov 19 j 00:06	30°℞♑	
direct	-9633 Dec 09 j 15:00	29°♑37'29	
	-9633 Dec 30 j 05:11	0°♒	
evening set	-9632 Mar 24 j 21:30	7°♒39'42	
conjunction	-9632 Apr 11 j 19:06	9°♒53'38	-2°08'30
minimum elong	-9632 Apr 11 j 19:09	9°♒53'39	2°08'59

Attention, astronomical year style is used: The year -9632 in astronomical counting style is the year 9633 BCE in historical counting style.

max. Earth dist.	-9632 Apr 12 j 17:31	10°♒00'40	10.33971 AU
morning rise	-9632 Apr 29 j 12:57	12°♒06'17	
	-9632 May 24 j 06:58	15°♒	
retrograde	-9632 Aug 08 j 21:04	19°♒45'06	
opposition	-9632 Oct 14 j 18:07	16°♒21'10	-2°28'29
min. Earth dist.	-9632 Oct 14 j 01:41	16°♒24'28	8.42476 AU
	-9632 Nov 01 j 02:21	15°℞♒	
direct	-9632 Dec 22 j 16:09	12°♒52'59	
	-9631 Feb 11 j 14:09	15°♒	
evening set	-9631 Apr 07 j 19:14	20°♒43'39	
conjunction	-9631 Apr 25 j 14:04	22°♒54'12	-1°49'38
minimum elong	-9631 Apr 25 j 14:08	22°♒54'13	1°50'02
max. Earth dist.	-9631 Apr 26 j 08:49	22°♒59'59	10.51022 AU
morning rise	-9631 May 13 j 04:13	25°♒03'16	
	-9631 Jun 28 j 15:43	0°♓	
retrograde	-9631 Aug 21 j 09:15	2°♓27'28	
	-9631 Oct 15 j 23:49	30°℞♒	
opposition	-9631 Oct 27 j 15:01	29°♒05'33	-2°01'38
min. Earth dist.	-9631 Oct 27 j 02:03	29°♒08'07	8.59518 AU
direct	-9630 Jan 05 j 07:19	25°♒38'26	
	-9630 Mar 22 j 13:54	0°♓	
evening set	-9630 Apr 21 j 02:37	3°♓17'29	
conjunction	-9630 May 08 j 18:13	5°♓24'42	-1°26'07
minimum elong	-9630 May 08 j 18:17	5°♓24'44	1°26'25
max. Earth dist.	-9630 May 09 j 08:20	5°♓28'59	10.67957 AU
morning rise	-9630 May 26 j 04:36	7°♓30'21	
retrograde	-9630 Sep 02 j 11:33	14°♓41'29	
opposition	-9630 Nov 09 j 02:55	11°♓21'26	-1°30'12
min. Earth dist.	-9630 Nov 08 j 18:24	11°♓23'05	8.76063 AU
direct	-9629 Jan 18 j 11:23	7°♓55'32	
evening set	-9629 May 03 j 20:27	15°♓23'30	
conjunction	-9629 May 21 j 08:25	17°♓27'35	-0°59'28
minimum elong	-9629 May 21 j 08:27	17°♓27'36	0°59'39
max. Earth dist.	-9629 May 21 j 16:33	17°♓30'01	10.83994 AU
morning rise	-9629 Jun 07 j 15:07	19°♓30'06	
retrograde	-9629 Sep 14 j 04:05	26°♓30'05	
opposition	-9629 Nov 21 j 06:40	23°♓11'41	-0°56'03
min. Earth dist.	-9629 Nov 21 j 02:17	23°♓12'31	8.91384 AU
direct	-9628 Jan 31 j 05:08	19°♓47'04	
evening set	-9628 May 15 j 02:28	27°♓05'02	
conjunction	-9628 Jun 01 j 10:35	29°♓06'15	-0°31'05
minimum elong	-9628 Jun 01 j 10:36	29°♓06'16	0°31'10
max. Earth dist.	-9628 Jun 01 j 12:57	29°♓06'57	10.98469 AU
	-9628 Jun 09 j 01:59	0°♈	
morning rise	-9628 Jun 18 j 13:30	1°♈05'57	
retrograde	-9628 Sep 24 j 13:30	7°♈57'00	
opposition	-9628 Dec 02 j 03:39	4°♈39'59	-0°20'44
min. Earth dist.	-9628 Dec 02 j 02:54	4°♈40'07	9.04876 AU
direct	-9627 Feb 11 j 15:57	1°♈16'40	
evening set	-9627 May 26 j 22:15	8°♈26'00	
conjunction	-9627 Jun 13 j 02:30	10°♈24'42	-0°02'14
minimum elong	-9627 Jun 13 j 02:29	10°♈24'41	0°02'12
behind sun begin	-9627 Jun 12 j 19:25	10°♈22'40	
behind sun end	-9627 Jun 13 j 09:32	10°♈26'43	
max. Earth dist.	-9627 Jun 13 j 00:21	10°♈24'08	11.10848 AU
morning rise	-9627 Jun 30 j 01:29	12°♈21'56	
asc. node	-9627 Jul 11 j 21:41	13°♈40'55	
retrograde	-9627 Oct 05 j 20:03	19°♈06'19	
opposition	-9627 Dec 13 j 19:41	15°♈50'24	0°14'24
min. Earth dist.	-9627 Dec 13 j 22:45	15°♈49'49	9.16070 AU
direct	-9626 Feb 23 j 16:12	12°♈28'21	
evening set	-9626 Jun 07 j 09:32	19°♈30'34	
conjunction	-9626 Jun 24 j 09:46	21°♈27'07	0°26'14
minimum elong	-9626 Jun 24 j 09:45	21°♈27'07	0°26'23
max. Earth dist.	-9626 Jun 24 j 03:23	21°♈25'17	11.20718 AU
morning rise	-9626 Jul 11 j 05:01	23°♈22'20	
	-9626 Oct 10 j 02:44	0°♉	
retrograde	-9626 Oct 16 j 21:28	0°♉02'19	
	-9626 Oct 23 j 17:27	30°℞♈	
opposition	-9626 Dec 25 j 08:07	26°♈47'13	0°48'15
min. Earth dist.	-9626 Dec 25 j 15:48	26°♈45'48	9.24612 AU
direct	-9625 Mar 07 j 09:21	23°♈26'17	
	-9625 Jun 15 j 03:26	0°♉	
evening set	-9625 Jun 18 j 14:32	0°♉23'07	
conjunction	-9625 Jul 05 j 10:42	2°♉17'55	0°53'13
minimum elong	-9625 Jul 05 j 10:40	2°♉17'54	0°53'28
max. Earth dist.	-9625 Jul 04 j 23:02	2°♉14'35	11.27782 AU
morning rise	-9625 Jul 22 j 02:36	4°♉11'34	
retrograde	-9625 Oct 27 j 22:06	10°♉49'21	
opposition	-9624 Jan 05 j 18:15	7°♉34'45	1°19'54
min. Earth dist.	-9624 Jan 06 j 06:03	7°♉32'35	9.30241 AU
direct	-9624 Mar 17 j 23:18	4°♉14'48	
evening set	-9624 Jun 28 j 14:48	11°♉07'56	
conjunction	-9624 Jul 15 j 07:12	13°♉01'27	1°18'04
minimum elong	-9624 Jul 15 j 07:10	13°♉01'26	1°18'24
max. Earth dist.	-9624 Jul 14 j 15:16	12°♉56'53	11.31834 AU
morning rise	-9624 Jul 31 j 20:06	14°♉54'00	
	-9624 Aug 01 j 17:35	15°♉	
retrograde	-9624 Nov 06 j 22:41	21°♉31'47	
opposition	-9623 Jan 16 j 03:57	18°♉17'18	1°48'31
min. Earth dist.	-9623 Jan 16 j 18:24	18°♉14'41	9.32781 AU
	-9623 Mar 23 j 04:12	15°℞♉	
direct	-9623 Mar 29 j 09:04	14°♉58'12	
	-9623 Apr 04 j 13:57	15°♉	
evening set	-9623 Jul 09 j 12:00	21°♉49'17	
max. Earth dist.	-9623 Jul 25 j 06:58	23°♉36'45	11.32745 AU
conjunction	-9623 Jul 26 j 01:12	23°♉41'58	1°40'05
minimum elong	-9623 Jul 26 j 01:09	23°♉41'57	1°40'30
morning rise	-9623 Aug 11 j 11:23	25°♉33'55	
	-9623 Sep 25 j 12:06	0°♊	
retrograde	-9623 Nov 18 j 04:13	2°♊13'49	
	-9622 Jan 13 j 08:59	30°℞♉	
opposition	-9622 Jan 27 j 14:44	28°♉59'08	2°13'21
min. Earth dist.	-9622 Jan 28 j 07:40	28°♉56'04	9.32147 AU
direct	-9622 Apr 09 j 17:20	25°♉40'39	
	-9622 Jun 26 j 17:07	0°♊	
evening set	-9622 Jul 20 j 08:15	2°♊31'18	
conjunction	-9622 Aug 05 j 18:41	4°♊23'42	1°58'38
minimum elong	-9622 Aug 05 j 18:38	4°♊23'41	1°59'08
max. Earth dist.	-9622 Aug 04 j 21:37	4°♊17'39	11.30485 AU
morning rise	-9622 Aug 22 j 02:56	6°♊15'36	
retrograde	-9622 Nov 29 j 10:29	12°♊59'33	
opposition	-9621 Feb 08 j 03:49	9°♊44'21	2°33'42
min. Earth dist.	-9621 Feb 08 j 23:37	9°♊40'45	9.28358 AU
direct	-9621 Apr 20 j 22:30	6°♊26'12	
evening set	-9621 Jul 31 j 05:07	13°♊18'06	
conjunction	-9621 Aug 16 j 13:26	15°♊10'43	2°13'07
minimum elong	-9621 Aug 16 j 13:24	15°♊10'42	2°13'40
max. Earth dist.	-9621 Aug 15 j 13:22	15°♊03'45	11.25122 AU
morning rise	-9621 Sep 01 j 20:43	17°♊03'07	
retrograde	-9621 Dec 10 j 23:09	23°♊53'07	
opposition	-9620 Feb 19 j 20:45	20°♊37'02	2°48'51
min. Earth dist.	-9620 Feb 20 j 18:37	20°♊33'03	9.21506 AU
direct	-9620 May 01 j 08:00	17°♊18'59	

Attention, astronomical year style is used: The year -9620 in astronomical counting style is the year 9621 BCE in historical counting style.

evening set	-9620 Aug 10 j 04:11	24°♊13'41	
max. Earth dist.	-9620 Aug 25 j 10:33	25°♊59'50	11.16794 AU
conjunction	-9620 Aug 26 j 11:25	26°♊07'06	2°22'58
minimum elong	-9620 Aug 26 j 11:24	26°♊07'06	2°23'33
morning rise	-9620 Sep 11 j 18:33	28°♊00'35	
	-9620 Sep 29 j 18:28	0°♋	
retrograde	-9620 Dec 21 j 19:23	4°♋58'29	
opposition	-9619 Mar 02 j 18:50	1°♋41'10	2°58'06
min. Earth dist.	-9619 Mar 03 j 16:55	1°♋37'08	9.11773 AU
	-9619 Mar 26 j 23:25	30°℞♊	
direct	-9619 May 12 j 19:17	28°♊23'01	
	-9619 Jun 26 j 22:35	0°♋	
evening set	-9619 Aug 21 j 07:24	5°♋21'59	
conjunction	-9619 Sep 06 j 14:43	7°♋16'49	2°27'36
minimum elong	-9619 Sep 06 j 14:42	7°♋16'49	2°28'11
max. Earth dist.	-9619 Sep 05 j 13:59	7°♋09'30	11.05728 AU
morning rise	-9619 Sep 22 j 22:40	9°♋12'00	
retrograde	-9618 Jan 03 j 00:31	16°♋19'32	
opposition	-9618 Mar 14 j 23:15	13°♋00'42	3°00'48
min. Earth dist.	-9618 Mar 15 j 20:55	12°♋56'42	8.99432 AU
direct	-9618 May 24 j 10:25	9°♋42'09	
evening set	-9618 Sep 01 j 16:31	16°♋46'54	
max. Earth dist.	-9618 Sep 16 j 23:57	18°♋36'18	10.92240 AU
conjunction	-9618 Sep 18 j 00:58	18°♋43'48	2°26'32
minimum elong	-9618 Sep 18 j 00:59	18°♋43'48	2°27'06
morning rise	-9618 Oct 04 j 11:09	20°♋41'20	
retrograde	-9617 Jan 15 j 15:36	28°♋00'06	
opposition	-9617 Mar 27 j 11:17	24°♋39'31	2°56'16
min. Earth dist.	-9617 Mar 28 j 08:35	24°♋35'33	8.84828 AU
direct	-9617 Jun 05 j 06:26	21°♋20'20	
evening set	-9617 Sep 13 j 09:27	28°♋32'22	
	-9617 Sep 25 j 11:27	0°♌	
conjunction	-9617 Sep 29 j 20:11	0°♌31'56	2°19'20
minimum elong	-9617 Sep 29 j 20:13	0°♌31'57	2°19'51
max. Earth dist.	-9617 Sep 28 j 19:34	0°♌24'26	10.76732 AU
morning rise	-9617 Oct 16 j 09:52	2°♌32'29	
retrograde	-9616 Jan 28 j 16:04	10°♌03'57	
opposition	-9616 Apr 08 j 07:55	6°♌41'28	2°43'59
min. Earth dist.	-9616 Apr 09 j 04:08	6°♌37'39	8.68462 AU
direct	-9616 Jun 16 j 09:52	3°♌21'26	
evening set	-9616 Sep 24 j 12:03	10°♌42'12	
max. Earth dist.	-9616 Oct 10 j 04:34	12°♌38'15	10.59809 AU
conjunction	-9616 Oct 11 j 02:30	12°♌45'04	2°05'41
minimum elong	-9616 Oct 11 j 02:33	12°♌45'05	2°06'09
morning rise	-9616 Oct 27 j 20:48	14°♌49'12	
	-9616 Oct 29 j 08:22	15°♌	
retrograde	-9615 Feb 10 j 05:19	22°♌34'31	
opposition	-9615 Apr 21 j 14:06	19°♌09'59	2°23'37
min. Earth dist.	-9615 Apr 22 j 07:22	19°♌06'39	8.51062 AU
direct	-9615 Jun 28 j 23:52	15°♌48'55	
evening set	-9615 Oct 07 j 02:13	23°♌19'31	
conjunction	-9615 Oct 23 j 21:36	25°♌26'12	1°45'34
minimum elong	-9615 Oct 23 j 21:40	25°♌26'13	1°45'57
max. Earth dist.	-9615 Oct 23 j 04:04	25°♌20'39	10.42268 AU
morning rise	-9615 Nov 09 j 21:28	27°♌34'24	
	-9615 Nov 30 j 05:03	0°♍	
retrograde	-9614 Feb 24 j 07:44	5°♍34'01	
opposition	-9614 May 05 j 06:04	2°♍07'24	1°55'13
min. Earth dist.	-9614 May 05 j 18:53	2°♍04'53	8.33498 AU
	-9614 Jun 03 j 14:27	30°℞♌	
direct	-9614 Jul 11 j 21:50	28°♌45'10	
	-9614 Aug 18 j 03:31	0°♍	
evening set	-9614 Oct 20 j 05:47	6°♍26'26	
conjunction	-9614 Nov 06 j 06:48	8°♍37'13	1°19'19
minimum elong	-9614 Nov 06 j 06:52	8°♍37'14	1°19'36
max. Earth dist.	-9614 Nov 05 j 18:13	8°♍33'09	10.25017 AU
morning rise	-9614 Nov 23 j 12:55	10°♍49'44	
retrograde	-9613 Mar 10 j 21:30	19°♍03'24	
opposition	-9613 May 19 j 07:37	15°♍34'46	1°19'24
min. Earth dist.	-9613 May 19 j 15:14	15°♍33'15	8.16723 AU
direct	-9613 Jul 25 j 06:07	12°♍11'14	
evening set	-9613 Nov 02 j 23:48	20°♍03'38	
conjunction	-9613 Nov 20 j 06:48	22°♍18'34	0°47'48
minimum elong	-9613 Nov 20 j 06:50	22°♍18'34	0°47'57
max. Earth dist.	-9613 Nov 19 j 23:47	22°♍16'16	10.09032 AU
morning rise	-9613 Dec 07 j 19:28	24°♍35'23	
	-9612 Jan 24 j 06:40	0°♎	
retrograde	-9612 Mar 24 j 21:23	3°♎01'56	
	-9612 May 26 j 21:14	30°℞♍	
opposition	-9612 Jun 01 j 18:19	29°♍31'30	0°37'33
min. Earth dist.	-9612 Jun 01 j 20:39	29°♍31'02	8.01738 AU
direct	-9612 Aug 07 j 02:04	26°♍06'35	
	-9612 Oct 12 j 16:20	0°♎	
evening set	-9612 Nov 16 j 08:33	4°♎09'59	
conjunction	-9612 Dec 03 j 21:32	6°♎28'48	0°12'30
minimum elong	-9612 Dec 03 j 21:33	6°♎28'48	0°12'30
behind sun begin	-9612 Dec 03 j 16:52	6°♎27'16	
behind sun end	-9612 Dec 04 j 02:13	6°♎30'20	
max. Earth dist.	-9612 Dec 03 j 20:57	6°♎28'37	9.95297 AU
morning rise	-9612 Dec 21 j 16:24	8°♎49'32	
retrograde	-9611 Apr 09 j 04:58	17°♎26'47	
desc. node	-9611 Apr 12 j 00:16	17°♎26'21	
opposition	-9611 Jun 16 j 12:30	13°♎54'55	-0°08'05
min. Earth dist.	-9611 Jun 16 j 09:36	13°♎55'31	7.89502 AU
direct	-9611 Aug 21 j 08:39	10°♎28'36	
evening set	-9611 Dec 01 j 07:46	18°♎42'12	
conjunction	-9611 Dec 19 j 02:11	21°♎04'17	-0°24'34
minimum elong	-9611 Dec 19 j 02:09	21°♎04'16	0°24'42
max. Earth dist.	-9611 Dec 19 j 08:27	21°♎06'22	9.84717 AU
morning rise	-9610 Jan 06 j 02:10	23°♎28'09	
	-9610 Mar 05 j 08:20	0°♏	
retrograde	-9610 Apr 24 j 17:36	2°♏12'48	
	-9610 Jun 15 j 01:33	30°℞♎	
opposition	-9610 Jul 01 j 11:54	28°♎39'58	-0°54'24
min. Earth dist.	-9610 Jul 01 j 03:59	28°♎41'38	7.80853 AU
direct	-9610 Sep 05 j 00:45	25°♎12'20	
	-9610 Nov 18 j 03:59	0°♏	
evening set	-9610 Dec 16 j 19:15	3°♏34'29	
conjunction	-9609 Jan 03 j 18:02	5°♏58'51	-1°00'37
minimum elong	-9609 Jan 03 j 17:58	5°♏58'50	1°00'53
max. Earth dist.	-9609 Jan 04 j 07:19	6°♏03'20	9.78046 AU
morning rise	-9609 Jan 21 j 21:35	8°♏24'44	
	-9609 Mar 21 j 07:34	15°♏	
retrograde	-9609 May 10 j 07:39	17°♏12'42	
	-9609 Jun 30 j 04:40	15°℞♏	
opposition	-9609 Jul 16 j 14:05	13°♏39'26	-1°37'47
min. Earth dist.	-9609 Jul 16 j 01:21	13°♏42'07	7.76418 AU
direct	-9609 Sep 20 j 00:34	10°♏10'39	
	-9609 Dec 03 j 10:55	15°♏	
evening set	-9608 Jan 01 j 15:28	18°♏38'46	
conjunction	-9608 Jan 19 j 17:15	21°♏04'14	-1°32'55
minimum elong	-9608 Jan 19 j 17:11	21°♏04'12	1°33'18

Attention, astronomical year style is used: The year -9608 in astronomical counting style is the year 9609 BCE in historical counting style.

max. Earth dist.	-9608 Jan 20 j 13:04	21°♏10'55	9.75786 AU
morning rise	-9608 Feb 06 j 22:37	23°♏30'48	
	-9608 Apr 04 j 02:53	0°♐	
retrograde	-9608 May 24 j 19:06	2°♐17'27	
	-9608 Jul 15 j 09:21	30°℞♏	
opposition	-9608 Jul 30 j 15:50	28°♏44'19	-2°14'39
min. Earth dist.	-9608 Jul 29 j 22:51	28°♏47'54	7.76516 AU
direct	-9608 Oct 04 j 05:15	25°♏14'38	
	-9608 Dec 17 j 09:35	0°♐	
evening set	-9607 Jan 16 j 16:14	3°♐45'29	
conjunction	-9607 Feb 03 j 19:35	6°♐10'47	-1°58'52
minimum elong	-9607 Feb 03 j 19:31	6°♐10'46	1°59'21
max. Earth dist.	-9607 Feb 04 j 20:28	6°♐19'09	9.78103 AU
morning rise	-9607 Feb 22 j 01:02	8°♐36'43	
retrograde	-9607 Jun 09 j 00:19	17°♐17'19	
opposition	-9607 Aug 14 j 13:59	13°♐44'56	-2°42'02
min. Earth dist.	-9607 Aug 13 j 17:56	13°♐49'10	7.81114 AU
direct	-9607 Oct 19 j 11:33	10°♐14'39	
evening set	-9606 Feb 01 j 16:13	18°♐44'35	
conjunction	-9606 Feb 19 j 19:46	21°♐08'36	-2°16'35
minimum elong	-9606 Feb 19 j 19:43	21°♐08'35	2°17'08
max. Earth dist.	-9606 Feb 20 j 23:53	21°♐17'57	9.84808 AU
morning rise	-9606 Mar 09 j 23:51	23°♐32'42	
	-9606 May 07 j 04:07	0°♑	
retrograde	-9606 Jun 23 j 19:56	2°♑03'09	
	-9606 Aug 11 j 06:21	30°℞♐	
min. Earth dist.	-9606 Aug 28 j 08:23	28°♐36'37	7.89845 AU
opposition	-9606 Aug 29 j 06:07	28°♐32'03	-2°58'06
direct	-9606 Nov 03 j 15:36	25°♐01'33	
	-9605 Jan 20 j 03:51	0°♑	
evening set	-9605 Feb 17 j 10:05	3°♑26'56	
conjunction	-9605 Mar 07 j 12:47	5°♑48'42	-2°25'05
minimum elong	-9605 Mar 07 j 12:46	5°♑48'42	2°25'39
max. Earth dist.	-9605 Mar 08 j 18:13	5°♑58'22	9.95390 AU
morning rise	-9605 Mar 25 j 14:30	8°♑10'05	
retrograde	-9605 Jul 08 j 04:00	16°♑27'22	
opposition	-9605 Sep 12 j 13:58	12°♑57'58	-3°02'21
min. Earth dist.	-9605 Sep 11 j 16:09	13°♑02'30	8.02066 AU
direct	-9605 Nov 18 j 14:19	9°♑27'38	
evening set	-9604 Mar 03 j 18:05	17°♑45'23	
conjunction	-9604 Mar 21 j 19:09	20°♑04'18	-2°24'23
minimum elong	-9604 Mar 21 j 19:11	20°♑04'18	2°24'56
max. Earth dist.	-9604 Mar 22 j 23:45	20°♑13'32	10.09094 AU
morning rise	-9604 Apr 08 j 17:57	22°♑22'23	
	-9604 Jun 30 j 01:01	0°♒	
retrograde	-9604 Jul 20 j 23:55	0°♒24'35	
	-9604 Aug 10 j 23:06	30°℞♑	
opposition	-9604 Sep 25 j 12:04	26°♑57'13	-2°55'28
min. Earth dist.	-9604 Sep 24 j 15:56	27°♑01'21	8.16943 AU
direct	-9604 Dec 02 j 05:34	23°♑27'26	
	-9603 Mar 05 j 12:06	0°♒	
evening set	-9603 Mar 18 j 13:22	1°♒35'19	
conjunction	-9603 Apr 05 j 12:12	3°♒50'59	-2°15'17
minimum elong	-9603 Apr 05 j 12:15	3°♒50'59	2°15'48
max. Earth dist.	-9603 Apr 06 j 13:44	3°♒59'04	10.25011 AU
morning rise	-9603 Apr 23 j 07:44	6°♒05'30	
retrograde	-9603 Aug 03 j 06:54	13°♒52'01	
min. Earth dist.	-9603 Oct 08 j 06:24	10°♒30'26	8.33545 AU
opposition	-9603 Oct 09 j 00:05	10°♒26'51	-2°38'59
direct	-9603 Dec 16 j 12:08	6°♒57'59	
evening set	-9602 Apr 01 j 18:17	14°♒54'36	
	-9602 Apr 02 j 12:00	15°♒	
conjunction	-9602 Apr 19 j 14:23	17°♒06'51	-1°59'10
minimum elong	-9602 Apr 19 j 14:27	17°♒06'52	1°59'36
max. Earth dist.	-9602 Apr 20 j 11:36	17°♒13'26	10.42182 AU
morning rise	-9602 May 07 j 06:27	19°♒17'44	
retrograde	-9602 Aug 15 j 23:36	26°♒49'05	
min. Earth dist.	-9602 Oct 21 j 10:58	23°♒29'07	8.50932 AU
opposition	-9602 Oct 22 j 01:56	23°♒26'08	-2°14'54
direct	-9602 Dec 30 j 09:48	19°♒58'28	
evening set	-9601 Apr 15 j 08:41	27°♒43'21	
conjunction	-9601 May 03 j 01:48	29°♒52'11	-1°37'34
minimum elong	-9601 May 03 j 01:52	29°♒52'12	1°37'56
max. Earth dist.	-9601 May 03 j 18:18	29°♒57'13	10.59680 AU
	-9601 May 04 j 03:24	0°♓	
morning rise	-9601 May 20 j 14:13	1°♓59'32	
retrograde	-9601 Aug 28 j 07:00	9°♓16'57	
opposition	-9601 Nov 03 j 18:06	5°♓56'07	-1°45'17
min. Earth dist.	-9601 Nov 03 j 06:07	5°♓58'28	8.68217 AU
direct	-9600 Jan 12 j 19:16	2°♓29'49	
evening set	-9600 Apr 27 j 09:17	10°♓03'13	
conjunction	-9600 May 14 j 23:08	12°♓08'49	-1°12'08
minimum elong	-9600 May 14 j 23:11	12°♓08'50	1°12'23
max. Earth dist.	-9600 May 15 j 11:05	12°♓12'24	10.76644 AU
morning rise	-9600 Jun 01 j 07:41	14°♓12'49	
retrograde	-9600 Sep 08 j 05:35	21°♓18'05	
opposition	-9600 Nov 15 j 01:55	17°♓59'10	-1°12'07
min. Earth dist.	-9600 Nov 14 j 17:59	18°♓00'42	8.84592 AU
direct	-9599 Jan 24 j 17:35	14°♓34'18	
evening set	-9599 May 09 j 21:19	21°♓57'03	
conjunction	-9599 May 27 j 07:26	23°♓59'37	-0°44'21
minimum elong	-9599 May 27 j 07:28	23°♓59'38	0°44'29
max. Earth dist.	-9599 May 27 j 14:27	24°♓01'41	10.92308 AU
morning rise	-9599 Jun 13 j 12:01	26°♓00'36	
	-9599 Jul 21 j 12:41	0°♈	
retrograde	-9599 Sep 19 j 19:14	2°♈55'46	
	-9599 Nov 22 j 08:53	30°℞♓	
opposition	-9599 Nov 27 j 02:32	29°♓38'31	-0°37'06
min. Earth dist.	-9599 Nov 26 j 23:30	29°♓39'05	8.99367 AU
direct	-9598 Feb 06 j 07:13	26°♓15'02	
	-9598 Apr 19 j 03:21	0°♈	
evening set	-9598 May 21 j 22:21	3°♈28'22	
conjunction	-9598 Jun 08 j 04:25	5°♈28'12	-0°15'32
minimum elong	-9598 Jun 08 j 04:26	5°♈28'12	0°15'32
behind sun begin	-9598 Jun 08 j 02:36	5°♈27'41	
behind sun end	-9598 Jun 08 j 06:15	5°♈28'44	
max. Earth dist.	-9598 Jun 08 j 05:16	5°♈28'27	11.06043 AU
morning rise	-9598 Jun 25 j 05:12	7°♈26'31	
retrograde	-9598 Oct 01 j 02:39	14°♈13'49	
opposition	-9598 Dec 08 j 21:12	10°♈57'53	-0°01'41
min. Earth dist.	-9598 Dec 08 j 23:01	10°♈57'33	9.11957 AU
asc. node	-9598 Dec 26 j 18:20	9°♈39'52	
direct	-9597 Feb 18 j 12:13	7°♈35'42	
evening set	-9597 Jun 02 j 13:54	14°♈41'07	
conjunction	-9597 Jun 19 j 15:54	16°♈38'36	0°13'18
minimum elong	-9597 Jun 19 j 15:53	16°♈38'35	0°13'25
behind sun begin	-9597 Jun 19 j 11:52	16°♈37'27	
behind sun end	-9597 Jun 19 j 19:55	16°♈39'44	
max. Earth dist.	-9597 Jun 19 j 10:37	16°♈37'05	11.17308 AU
morning rise	-9597 Jul 06 j 13:02	18°♈34'41	
retrograde	-9597 Oct 12 j 05:29	25°♈16'28	
opposition	-9597 Dec 20 j 11:20	22°♈01'28	0°32'54
min. Earth dist.	-9597 Dec 20 j 17:03	22°♈00'24	9.21850 AU
direct	-9596 Mar 01 j 10:45	18°♈40'27	

Attention, astronomical year style is used: The year -9596 in astronomical counting style is the year 9597 BCE in historical counting style.

evening set	-9596 Jun 12 j 22:03	25°♈39'41	
conjunction	-9596 Jun 29 j 20:07	27°♈35'13	0°41'03
minimum elong	-9596 Jun 29 j 20:05	27°♈35'12	0°41'15
max. Earth dist.	-9596 Jun 29 j 10:25	27°♈32'26	11.25673 AU
morning rise	-9596 Jul 16 j 13:34	29°♈29'31	
	-9596 Jul 21 j 03:03	0°♉	
retrograde	-9596 Oct 22 j 08:44	6°♉08'06	
opposition	-9596 Dec 30 j 22:43	2°♉53'43	1°05'42
min. Earth dist.	-9596 Dec 31 j 08:22	2°♉51'57	9.28714 AU
	-9595 Feb 17 j 02:58	30°℞♈	
direct	-9595 Mar 13 j 02:57	29°♈33'45	
	-9595 Apr 05 j 21:02	0°♉	
evening set	-9595 Jun 24 j 00:44	6°♉28'29	
conjunction	-9595 Jul 10 j 18:58	8°♉22'32	1°06'59
minimum elong	-9595 Jul 10 j 18:56	8°♉22'32	1°07'17
max. Earth dist.	-9595 Jul 10 j 05:07	8°♉18'35	11.30916 AU
morning rise	-9595 Jul 27 j 09:03	10°♉15'32	
	-9595 Sep 14 j 12:24	15°♉	
retrograde	-9595 Nov 02 j 09:06	16°♉53'09	
	-9595 Dec 23 j 05:11	15°℞♉	
opposition	-9594 Jan 11 j 09:02	13°♉39'00	1°35'49
min. Earth dist.	-9594 Jan 11 j 22:59	13°♉36'27	9.32414 AU
direct	-9594 Mar 24 j 13:03	10°♉19'48	
	-9594 Jun 14 j 11:32	15°♉	
evening set	-9594 Jul 04 j 23:33	17°♉11'46	
conjunction	-9594 Jul 21 j 14:10	19°♉04'47	1°30'23
minimum elong	-9594 Jul 21 j 14:07	19°♉04'46	1°30'46
max. Earth dist.	-9594 Jul 20 j 19:35	18°♉59'29	11.32959 AU
morning rise	-9594 Aug 07 j 01:34	20°♉56'59	
retrograde	-9594 Nov 13 j 11:32	27°♉35'47	
opposition	-9593 Jan 22 j 19:27	24°♉21'26	2°02'29
min. Earth dist.	-9593 Jan 23 j 13:04	24°♉18'15	9.32894 AU
direct	-9593 Apr 04 j 22:53	21°♉02'46	
evening set	-9593 Jul 15 j 20:25	27°♉53'37	
max. Earth dist.	-9593 Jul 31 j 10:13	29°♉39'53	11.31781 AU
conjunction	-9593 Aug 01 j 07:58	29°♉46'07	1°50'36
minimum elong	-9593 Aug 01 j 07:56	29°♉46'06	1°51'04
	-9593 Aug 03 j 08:24	0°♊	
morning rise	-9593 Aug 17 j 17:11	1°♊38'01	
retrograde	-9593 Nov 24 j 16:08	8°♊20'00	
opposition	-9592 Feb 03 j 07:18	5°♊05'05	2°24'59
min. Earth dist.	-9592 Feb 04 j 02:59	5°♊01'31	9.30155 AU
direct	-9592 Apr 15 j 06:20	1°♊46'43	
evening set	-9592 Jul 25 j 16:50	8°♊38'04	
max. Earth dist.	-9592 Aug 10 j 02:53	10°♊23'51	11.27431 AU
conjunction	-9592 Aug 11 j 02:09	10°♊30'34	2°07'02
minimum elong	-9592 Aug 11 j 02:07	10°♊30'33	2°07'33
morning rise	-9592 Aug 27 j 09:45	12°♊22'43	
retrograde	-9592 Dec 05 j 03:42	19°♊09'52	
opposition	-9591 Feb 13 j 22:26	15°♊54'02	2°42'37
min. Earth dist.	-9591 Feb 14 j 19:27	15°♊50'13	9.24290 AU
direct	-9591 Apr 26 j 15:09	12°♊35'44	
evening set	-9591 Aug 05 j 14:37	19°♊29'08	
conjunction	-9591 Aug 21 j 22:23	21°♊22'12	2°19'05
minimum elong	-9591 Aug 21 j 22:21	21°♊22'12	2°19'38
max. Earth dist.	-9591 Aug 20 j 21:23	21°♊14'56	11.20053 AU
morning rise	-9591 Sep 07 j 05:22	23°♊15'11	
	-9591 Dec 02 j 20:49	0°♋	
retrograde	-9591 Dec 16 j 19:52	0°♋09'25	
	-9591 Dec 30 j 20:25	30°℞♊	
opposition	-9590 Feb 25 j 18:04	26°♊52'21	2°54'41
min. Earth dist.	-9590 Feb 26 j 16:43	26°♊48'13	9.15487 AU
direct	-9590 May 07 j 23:27	23°♊33'52	
	-9590 Aug 12 j 03:22	0°♋	
evening set	-9590 Aug 16 j 15:45	0°♋30'56	
conjunction	-9590 Sep 01 j 22:51	2°♋25'09	2°26'11
minimum elong	-9590 Sep 01 j 22:50	2°♋25'08	2°26'45
max. Earth dist.	-9590 Aug 31 j 20:20	2°♋17'21	11.09883 AU
morning rise	-9590 Sep 18 j 06:26	4°♋19'35	
retrograde	-9590 Dec 28 j 18:59	11°♋22'41	
opposition	-9589 Mar 09 j 19:12	8°♋04'08	3°00'30
min. Earth dist.	-9589 Mar 10 j 18:35	7°♋59'49	9.04022 AU
direct	-9589 May 19 j 12:47	4°♋45'13	
evening set	-9589 Aug 27 j 21:46	11°♋47'31	
max. Earth dist.	-9589 Sep 12 j 03:32	13°♋35'46	10.97241 AU
conjunction	-9589 Sep 13 j 05:31	13°♋43'31	2°27'49
minimum elong	-9589 Sep 13 j 05:31	13°♋43'31	2°28'22
morning rise	-9589 Sep 29 j 14:40	15°♋40'01	
retrograde	-9588 Jan 10 j 04:54	22°♋53'43	
opposition	-9588 Mar 21 j 03:28	19°♋33'26	2°59'24
min. Earth dist.	-9588 Mar 22 j 01:48	19°♋29'17	8.90263 AU
direct	-9588 May 30 j 07:28	16°♋13'59	
evening set	-9588 Sep 07 j 10:32	23°♋22'53	
conjunction	-9588 Sep 23 j 20:13	25°♋21'17	2°23'29
minimum elong	-9588 Sep 23 j 20:15	25°♋21'18	2°24'01
max. Earth dist.	-9588 Sep 22 j 20:15	25°♋14'01	10.82548 AU
morning rise	-9588 Oct 10 j 08:05	27°♋20'30	
	-9588 Nov 02 j 19:06	0°♌	
retrograde	-9587 Jan 22 j 01:11	4°♌46'19	
opposition	-9587 Apr 02 j 19:58	1°♌24'08	2°50'45
min. Earth dist.	-9587 Apr 03 j 15:51	1°♌20'23	8.74693 AU
	-9587 Apr 22 j 00:35	30°℞♋	
direct	-9587 Jun 11 j 07:18	28°♋03'58	
	-9587 Jul 29 j 10:45	0°♌	
evening set	-9587 Sep 19 j 08:19	5°♌20'53	
conjunction	-9587 Oct 05 j 21:03	7°♌22'18	2°12'50
minimum elong	-9587 Oct 05 j 21:06	7°♌22'19	2°13'20
max. Earth dist.	-9587 Oct 04 j 22:55	7°♌15'28	10.66348 AU
morning rise	-9587 Oct 22 j 13:01	9°♌24'49	
	-9587 Dec 15 j 13:41	15°♌	
retrograde	-9586 Feb 04 j 09:38	17°♌03'54	
	-9586 Mar 28 j 21:45	15°℞♌	
opposition	-9586 Apr 15 j 21:28	13°♌39'46	2°34'08
min. Earth dist.	-9586 Apr 16 j 14:49	13°♌36'27	8.57923 AU
direct	-9586 Jun 23 j 15:20	10°♌18'43	
	-9586 Sep 08 j 05:05	15°♌	
evening set	-9586 Oct 01 j 16:51	17°♌44'52	
conjunction	-9586 Oct 18 j 09:46	19°♌49'50	1°55'41
minimum elong	-9586 Oct 18 j 09:50	19°♌49'51	1°56'07
max. Earth dist.	-9586 Oct 17 j 14:15	19°♌43'42	10.49306 AU
morning rise	-9586 Nov 04 j 07:02	21°♌56'12	
retrograde	-9585 Feb 18 j 05:55	29°♌49'17	
opposition	-9585 Apr 29 j 08:46	26°♌23'12	2°09'23
min. Earth dist.	-9585 Apr 29 j 23:00	26°♌20'26	8.40684 AU
direct	-9585 Jul 06 j 07:57	23°♌01'08	
	-9585 Oct 09 j 12:43	0°♍	
evening set	-9585 Oct 14 j 13:43	0°♍37'31	
conjunction	-9585 Oct 31 j 11:52	2°♍46'24	1°32'11
minimum elong	-9585 Oct 31 j 11:56	2°♍46'26	1°32'32
max. Earth dist.	-9585 Oct 30 j 20:49	2°♍41'36	10.32201 AU
morning rise	-9585 Nov 17 j 15:10	4°♍56'58	
retrograde	-9584 Mar 03 j 13:03	13°♍04'14	

Attention, astronomical year style is used: The year -9584 in astronomical counting style is the year 9585 BCE in historical counting style.

opposition	-9584 May 12 j 05:57	9°♑36'15	1°36'50
min. Earth dist.	-9584 May 12 j 16:01	9°♑34'15	8.23833 AU
direct	-9584 Jul 18 j 12:21	6°♑13'05	
evening set	-9584 Oct 27 j 00:37	14°♑00'21	
conjunction	-9584 Nov 13 j 04:46	16°♑13'22	1°02'57
minimum elong	-9584 Nov 13 j 04:50	16°♑13'23	1°03'10
max. Earth dist.	-9584 Nov 12 j 19:58	16°♑10'30	10.15929 AU
morning rise	-9584 Nov 30 j 14:29	18°♑28'14	
retrograde	-9583 Mar 18 j 07:38	26°♑48'59	
opposition	-9583 May 26 j 12:28	23°♑19'16	0°57'31
min. Earth dist.	-9583 May 26 j 17:08	23°♑18'19	8.08318 AU
direct	-9583 Aug 01 j 03:46	19°♑54'57	
evening set	-9583 Nov 10 j 02:27	27°♑53'15	
	-9583 Nov 26 j 05:32	0°♎	
conjunction	-9583 Nov 27 j 12:47	0°♎10'19	0°29'08
minimum elong	-9583 Nov 27 j 12:49	0°♎10'19	0°29'13
max. Earth dist.	-9583 Nov 27 j 10:54	0°♎09'41	10.01443 AU
morning rise	-9583 Dec 15 j 04:47	2°♎29'16	
retrograde	-9582 Apr 02 j 12:02	11°♎01'48	
opposition	-9582 Jun 10 j 03:18	7°♎30'39	0°13'16
min. Earth dist.	-9582 Jun 10 j 01:59	7°♎30'55	7.95100 AU
direct	-9582 Aug 15 j 05:01	4°♎05'10	
desc. node	-9582 Sep 26 j 19:32	5°♎46'58	
evening set	-9582 Nov 24 j 19:06	12°♎14'02	
conjunction	-9582 Dec 12 j 11:09	14°♎34'38	-0°07'28
minimum elong	-9582 Dec 12 j 11:09	14°♎34'38	0°07'33
behind sun begin	-9582 Dec 12 j 04:32	14°♎32'27	
behind sun end	-9582 Dec 12 j 17:46	14°♎36'49	
max. Earth dist.	-9582 Dec 12 j 16:30	14°♎36'24	9.89688 AU
morning rise	-9582 Dec 30 j 08:41	16°♎57'05	
retrograde	-9581 Apr 17 j 23:50	25°♎38'38	
opposition	-9581 Jun 25 j 00:36	22°♎06'27	-0°33'10
min. Earth dist.	-9581 Jun 24 j 17:24	22°♎07'57	7.85087 AU
direct	-9581 Aug 29 j 15:44	18°♎39'49	
evening set	-9581 Dec 10 j 01:16	26°♎57'58	
conjunction	-9581 Dec 27 j 22:09	29°♎21'18	-0°44'17
minimum elong	-9581 Dec 27 j 22:06	29°♎21'17	0°44'30
max. Earth dist.	-9581 Dec 28 j 10:33	29°♎25'28	9.81518 AU
	-9580 Jan 01 j 17:13	0°♏	
morning rise	-9580 Jan 14 j 23:59	1°♏46'16	
retrograde	-9580 May 02 j 14:50	10°♏33'00	
opposition	-9580 Jul 09 j 01:56	7°♏00'17	-1°18'21
min. Earth dist.	-9580 Jul 08 j 13:33	7°♏02'52	7.79026 AU
direct	-9580 Sep 12 j 11:49	3°♏32'33	
evening set	-9580 Dec 24 j 18:05	11°♏57'49	
conjunction	-9579 Jan 11 j 18:32	14°♏22'45	-1°18'39
minimum elong	-9579 Jan 11 j 18:28	14°♏22'43	1°19'00
max. Earth dist.	-9579 Jan 12 j 13:07	14°♏29'01	9.77549 AU
	-9579 Jan 16 j 09:00	15°♏	
morning rise	-9579 Jan 29 j 23:05	16°♏48'59	
retrograde	-9579 May 18 j 04:29	25°♏36'22	
opposition	-9579 Jul 24 j 04:16	22°♏03'39	-1°58'37
min. Earth dist.	-9579 Jul 23 j 12:02	22°♏07'04	7.77350 AU
direct	-9579 Sep 27 j 14:34	18°♏34'57	
evening set	-9578 Jan 09 j 17:30	27°♏04'21	
conjunction	-9578 Jan 27 j 20:01	29°♏29'38	-1°47'48
minimum elong	-9578 Jan 27 j 19:57	29°♏29'36	1°48'15
max. Earth dist.	-9578 Jan 28 j 19:18	29°♏37'28	9.78045 AU
	-9578 Jan 31 j 14:18	0°♐	
morning rise	-9578 Feb 15 j 01:27	1°♐55'47	
retrograde	-9578 Jun 02 j 12:51	10°♐39'03	

min. Earth dist.	-9578 Aug 07 j 09:36	7°♐10'49	7.80109 AU
opposition	-9578 Aug 08 j 04:21	7°♐06'51	-2°30'37
direct	-9578 Oct 12 j 20:40	3°♐37'25	
evening set	-9577 Jan 25 j 18:12	12°♐07'27	
conjunction	-9577 Feb 12 j 21:28	14°♐31'55	-2°09'29
minimum elong	-9577 Feb 12 j 21:24	14°♐31'54	2°10'00
max. Earth dist.	-9577 Feb 13 j 23:37	14°♐40'39	9.82873 AU
morning rise	-9577 Mar 03 j 02:15	16°♐56'45	
retrograde	-9577 Jun 17 j 12:35	25°♐31'40	
opposition	-9577 Aug 22 j 23:24	22°♐00'31	-2°52'00
min. Earth dist.	-9577 Aug 22 j 03:21	22°♐04'44	7.86960 AU
direct	-9577 Oct 28 j 02:12	18°♐30'38	
evening set	-9576 Feb 10 j 15:08	26°♐57'54	
conjunction	-9576 Feb 28 j 18:06	29°♐20'36	-2°22'16
minimum elong	-9576 Feb 28 j 18:04	29°♐20'35	2°22'49
max. Earth dist.	-9576 Feb 29 j 21:15	29°♐29'34	9.91551 AU
	-9576 Mar 04 j 17:31	0°♑	
morning rise	-9576 Mar 17 j 21:05	1°♑43'09	
retrograde	-9576 Jul 01 j 01:41	10°♑06'24	
opposition	-9576 Sep 05 j 11:11	6°♑36'46	-3°01'41
min. Earth dist.	-9576 Sep 04 j 14:45	6°♑41'02	7.97332 AU
direct	-9576 Nov 11 j 03:54	3°♑06'50	
evening set	-9575 Feb 25 j 04:18	11°♑28'10	
conjunction	-9575 Mar 15 j 06:04	13°♑48'22	-2°25'44
minimum elong	-9575 Mar 15 j 06:05	13°♑48'22	2°26'17
max. Earth dist.	-9575 Mar 16 j 08:46	13°♑57'04	10.03479 AU
morning rise	-9575 Apr 02 j 06:23	16°♑07'57	
retrograde	-9575 Jul 15 j 03:30	24°♑17'13	
opposition	-9575 Sep 19 j 14:00	20°♑49'23	-2°59'48
min. Earth dist.	-9575 Sep 18 j 17:53	20°♑53'32	8.10588 AU
direct	-9575 Nov 25 j 23:31	17°♑19'45	
evening set	-9574 Mar 12 j 06:01	25°♑32'28	
conjunction	-9574 Mar 30 j 05:59	27°♑49'40	-2°20'21
minimum elong	-9574 Mar 30 j 06:01	27°♑49'41	2°20'53
max. Earth dist.	-9574 Mar 31 j 07:14	27°♑57'45	10.17948 AU
	-9574 Apr 16 j 08:22	0°♒	
morning rise	-9574 Apr 17 j 03:06	0°♒05'52	
retrograde	-9574 Jul 28 j 16:44	7°♒59'54	
opposition	-9574 Oct 03 j 07:07	4°♒34'02	-2°47'31
min. Earth dist.	-9574 Oct 02 j 12:25	4°♒37'51	8.25948 AU
direct	-9574 Dec 10 j 10:46	1°♒05'02	
evening set	-9573 Mar 26 j 17:58	9°♒07'14	
conjunction	-9573 Apr 13 j 15:36	11°♒21'09	-2°07'16
minimum elong	-9573 Apr 13 j 15:40	11°♒21'10	2°07'45
max. Earth dist.	-9573 Apr 14 j 14:18	11°♒28'16	10.34095 AU
morning rise	-9573 May 01 j 09:17	13°♒33'47	
	-9573 May 13 j 07:40	15°♒	
retrograde	-9573 Aug 10 j 17:01	21°♒12'32	
opposition	-9573 Oct 16 j 14:04	17°♒48'42	-2°26'41
min. Earth dist.	-9573 Oct 15 j 22:15	17°♒51'52	8.42525 AU
	-9573 Nov 26 j 17:37	15°℞♒	
direct	-9573 Dec 24 j 12:19	14°♒20'33	
	-9572 Jan 21 j 06:59	15°♒	
evening set	-9572 Apr 08 j 15:42	22°♒11'19	
conjunction	-9572 Apr 26 j 10:29	24°♒21'53	-1°47'58
minimum elong	-9572 Apr 26 j 10:33	24°♒21'54	1°48'22
max. Earth dist.	-9572 Apr 27 j 04:52	24°♒27'32	10.51001 AU
morning rise	-9572 May 14 j 00:33	26°♒30'58	
	-9572 Jun 13 j 22:58	0°♓	
retrograde	-9572 Aug 22 j 06:06	3°♓55'11	
opposition	-9572 Oct 28 j 11:05	0°♓33'22	-1°59'21

Attention, astronomical year style is used: The year -9572 in astronomical counting style is the year 9573 BCE in historical counting style.

min. Earth dist.	-9572 Oct 27 j 23:09	0°♓35'43	8.59424 AU
	-9572 Nov 04 j 12:48	30°℞♒	
direct	-9571 Jan 06 j 02:40	27°♒06'17	
	-9571 Mar 08 j 01:42	0°♓	
evening set	-9571 Apr 21 j 23:13	4°♓45'31	
conjunction	-9571 May 09 j 14:41	6°♓52'47	-1°24'06
minimum elong	-9571 May 09 j 14:44	6°♓52'48	1°24'23
max. Earth dist.	-9571 May 10 j 03:35	6°♓56'41	10.67791 AU
morning rise	-9571 May 27 j 01:06	8°♓58'28	
retrograde	-9571 Sep 03 j 07:24	16°♓09'43	
opposition	-9571 Nov 09 j 23:12	12°♓49'44	-1°27'34
min. Earth dist.	-9571 Nov 09 j 15:08	12°♓51'18	8.75827 AU
direct	-9570 Jan 19 j 07:45	9°♓23'52	
evening set	-9570 May 04 j 17:11	16°♓52'05	
conjunction	-9570 May 22 j 05:03	18°♓56'13	-0°57'11
minimum elong	-9570 May 22 j 05:05	18°♓56'14	0°57'23
max. Earth dist.	-9570 May 22 j 12:17	18°♓58'22	10.83690 AU
morning rise	-9570 Jun 08 j 11:44	20°♓58'47	
retrograde	-9570 Sep 14 j 23:52	27°♓59'02	
opposition	-9570 Nov 22 j 03:17	24°♓40'38	-0°53'09
min. Earth dist.	-9570 Nov 21 j 22:35	24°♓41'32	8.91011 AU
direct	-9569 Feb 01 j 03:31	21°♓16'03	
evening set	-9569 May 16 j 23:19	28°♓34'18	
	-9569 May 29 j 06:15	0°♈	
conjunction	-9569 Jun 03 j 07:26	0°♈35'34	-0°28'40
minimum elong	-9569 Jun 03 j 07:28	0°♈35'35	0°28'44
max. Earth dist.	-9569 Jun 03 j 10:06	0°♈36'21	10.98036 AU
morning rise	-9569 Jun 20 j 10:13	2°♈35'18	
retrograde	-9569 Sep 26 j 12:01	9°♈26'41	
opposition	-9569 Dec 04 j 00:36	6°♈09'39	-0°17'43
min. Earth dist.	-9569 Dec 03 j 23:48	6°♈09'48	9.04378 AU
direct	-9568 Feb 13 j 11:56	2°♈46'21	
evening set	-9568 May 27 j 19:22	9°♈55'59	
asc. node	-9568 Jun 09 j 18:34	11°♈25'26	
conjunction	-9568 Jun 13 j 23:32	11°♈54'45	0°00'20
minimum elong	-9568 Jun 13 j 23:33	11°♈54'45	0°00'23
behind sun begin	-9568 Jun 13 j 16:31	11°♈52'44	
behind sun end	-9568 Jun 14 j 06:34	11°♈56'46	
max. Earth dist.	-9568 Jun 13 j 21:43	11°♈54'17	11.10291 AU
morning rise	-9568 Jun 30 j 22:22	13°♈52'02	
retrograde	-9568 Oct 06 j 16:50	20°♈36'47	
opposition	-9568 Dec 14 j 17:04	17°♈20'50	0°17'26
min. Earth dist.	-9568 Dec 14 j 20:56	17°♈20'07	9.15459 AU
direct	-9567 Feb 24 j 12:35	13°♈58'44	
evening set	-9567 Jun 08 j 07:02	21°♈01'20	
conjunction	-9567 Jun 25 j 07:00	22°♈57'55	0°28'42
minimum elong	-9567 Jun 25 j 06:59	22°♈57'55	0°28'52
max. Earth dist.	-9567 Jun 24 j 23:49	22°♈55'51	11.20051 AU
morning rise	-9567 Jul 12 j 02:10	24°♈53'12	
	-9567 Sep 03 j 21:57	0°♉	
retrograde	-9567 Oct 17 j 19:21	1°♉33'36	
	-9567 Dec 02 j 01:44	30°℞♈	
opposition	-9567 Dec 26 j 05:56	28°♈18'26	0°51'13
min. Earth dist.	-9567 Dec 26 j 14:04	28°♈16'56	9.23905 AU
direct	-9566 Mar 08 j 07:53	24°♈57'26	
	-9566 Jun 01 j 20:39	0°♉	
evening set	-9566 Jun 19 j 12:13	1°♉54'38	
conjunction	-9566 Jul 06 j 08:09	3°♉49'29	0°55'35
minimum elong	-9566 Jul 06 j 08:07	3°♉49'28	0°55'50
max. Earth dist.	-9566 Jul 05 j 20:08	3°♉46'03	11.27029 AU
morning rise	-9566 Jul 22 j 23:58	5°♉43'12	
retrograde	-9566 Oct 28 j 19:25	12°♉21'28	
opposition	-9565 Jan 06 j 16:30	9°♉06'44	1°22'40
min. Earth dist.	-9565 Jan 07 j 03:45	9°♉04'41	9.29455 AU
direct	-9565 Mar 19 j 21:12	5°♉46'43	
evening set	-9565 Jun 30 j 12:36	12°♉40'12	
conjunction	-9565 Jul 17 j 04:57	14°♉33'46	1°20'14
minimum elong	-9565 Jul 17 j 04:54	14°♉33'46	1°20'34
max. Earth dist.	-9565 Jul 16 j 13:50	14°♉29'27	11.31009 AU
	-9565 Jul 21 j 00:40	15°♉	
morning rise	-9565 Aug 02 j 17:38	16°♉26'24	
retrograde	-9565 Nov 08 j 22:33	23°♉04'42	
opposition	-9564 Jan 18 j 02:37	19°♉50'05	1°51'00
min. Earth dist.	-9564 Jan 18 j 16:35	19°♉47'33	9.31927 AU
direct	-9564 Mar 30 j 08:03	16°♉30'54	
evening set	-9564 Jul 10 j 10:10	23°♉22'20	
conjunction	-9564 Jul 26 j 23:13	25°♉15'06	1°41'58
minimum elong	-9564 Jul 26 j 23:10	25°♉15'05	1°42'24
max. Earth dist.	-9564 Jul 26 j 05:10	25°♉09'55	11.31862 AU
morning rise	-9564 Aug 12 j 09:15	27°♉07'07	
	-9564 Sep 08 j 17:21	0°♊	
retrograde	-9564 Nov 19 j 02:18	3°♊47'32	
opposition	-9563 Jan 28 j 13:53	0°♊32'44	2°15'27
min. Earth dist.	-9563 Jan 29 j 07:10	0°♊29'36	9.31252 AU
	-9563 Feb 05 j 03:13	30°℞♉	
direct	-9563 Apr 10 j 14:28	27°♉14'09	
	-9563 Jun 10 j 18:29	0°♊	
evening set	-9563 Jul 21 j 06:45	4°♊05'12	
conjunction	-9563 Aug 06 j 16:57	5°♊57'38	2°00'10
minimum elong	-9563 Aug 06 j 16:54	5°♊57'38	2°00'40
max. Earth dist.	-9563 Aug 05 j 19:23	5°♊51'27	11.29579 AU
morning rise	-9563 Aug 23 j 01:13	7°♊49'38	
retrograde	-9563 Nov 30 j 09:47	14°♊34'11	
opposition	-9562 Feb 09 j 03:31	11°♊18'50	2°35'20
min. Earth dist.	-9562 Feb 09 j 23:26	11°♊15'13	9.27453 AU
direct	-9562 Apr 21 j 22:37	8°♊00'35	
evening set	-9562 Aug 01 j 03:47	14°♊52'52	
conjunction	-9562 Aug 17 j 12:02	16°♊45'34	2°14'13
minimum elong	-9562 Aug 17 j 12:00	16°♊45'33	2°14'47
max. Earth dist.	-9562 Aug 16 j 12:33	16°♊38'46	11.24221 AU
morning rise	-9562 Sep 02 j 19:19	18°♊38'04	
retrograde	-9562 Dec 11 j 23:06	25°♊28'41	
opposition	-9561 Feb 20 j 20:49	22°♊12'26	2°49'56
min. Earth dist.	-9561 Feb 21 j 17:48	22°♊08'37	9.20618 AU
direct	-9561 May 03 j 07:40	18°♊54'20	
evening set	-9561 Aug 12 j 03:13	25°♊49'23	
max. Earth dist.	-9561 Aug 27 j 10:46	27°♊35'57	11.15921 AU
conjunction	-9561 Aug 28 j 10:32	27°♊42'54	2°23'35
minimum elong	-9561 Aug 28 j 10:31	27°♊42'54	2°24'09
morning rise	-9561 Sep 13 j 17:35	29°♊36'30	
	-9561 Sep 17 j 04:07	0°♋	
retrograde	-9561 Dec 23 j 20:20	6°♋35'00	
opposition	-9560 Mar 03 j 19:14	3°♋17'33	2°58'34
min. Earth dist.	-9560 Mar 04 j 16:24	3°♋13'41	9.10932 AU
	-9560 May 10 j 03:50	30°℞♊	
direct	-9560 May 13 j 19:02	29°♊59'21	
	-9560 May 17 j 10:01	0°♋	
evening set	-9560 Aug 22 j 06:50	6°♋58'41	
conjunction	-9560 Sep 07 j 14:09	8°♋53'38	2°27'42
minimum elong	-9560 Sep 07 j 14:09	8°♋53'38	2°28'16
max. Earth dist.	-9560 Sep 06 j 13:38	8°♋46'23	11.04930 AU
morning rise	-9560 Sep 23 j 22:13	10°♋48'57	

Attention, astronomical year style is used: The year -9559 in astronomical counting style is the year 9560 BCE in historical counting style.

retrograde	-9559 Jan 04 j 01:58	17°♋57'03		
opposition	-9559 Mar 16 j 00:12	14°♋38'08	3°00'35	
min. Earth dist.	-9559 Mar 16 j 21:37	14°♋34'11	8.98691 AU	
direct	-9559 May 25 j 09:29	11°♋19'34		
evening set	-9559 Sep 02 j 16:17	18°♋24'37		
max. Earth dist.	-9559 Sep 17 j 23:49	20°♋14'08	10.91582 AU	
conjunction	-9559 Sep 19 j 00:44	20°♋21'37	2°26'04	
minimum elong	-9559 Sep 19 j 00:45	20°♋21'37	2°26'37	
morning rise	-9559 Oct 05 j 11:12	22°♋19'18		
retrograde	-9558 Jan 16 j 15:32	29°♋38'35		
opposition	-9558 Mar 28 j 12:38	26°♋17'55	2°55'21	
min. Earth dist.	-9558 Mar 29 j 09:52	26°♋13'57	8.84262 AU	
direct	-9558 Jun 06 j 06:49	22°♋58'43		
	-9558 Sep 12 j 20:39	0°♌		
evening set	-9558 Sep 14 j 09:32	0°♌10'59		
conjunction	-9558 Sep 30 j 20:30	2°♌10'39	2°18'17	
minimum elong	-9558 Sep 30 j 20:33	2°♌10'40	2°18'47	
max. Earth dist.	-9558 Sep 29 j 21:02	2°♌03'30	10.76273 AU	
morning rise	-9558 Oct 17 j 10:26	4°♌11'19		
retrograde	-9557 Jan 29 j 17:14	11°♌43'10		
opposition	-9557 Apr 10 j 09:19	8°♌20'36	2°42'21	
min. Earth dist.	-9557 Apr 11 j 04:50	8°♌16'55	8.68104 AU	
direct	-9557 Jun 18 j 12:05	5°♌00'34		
evening set	-9557 Sep 26 j 12:23	12°♌21'25		
max. Earth dist.	-9557 Oct 12 j 06:37	14°♌18'01	10.59543 AU	
conjunction	-9557 Oct 13 j 03:11	14°♌24'24	2°04'05	
minimum elong	-9557 Oct 13 j 03:14	14°♌24'25	2°04'32	
	-9557 Oct 17 j 21:43	15°♌		
morning rise	-9557 Oct 29 j 21:40	16°♌28'39		
retrograde	-9556 Feb 12 j 08:01	24°♌14'12		
opposition	-9556 Apr 22 j 15:33	20°♌49'37	2°21'19	
min. Earth dist.	-9556 Apr 23 j 07:40	20°♌46'31	8.50882 AU	
direct	-9556 Jun 30 j 00:02	17°♌28'37		
evening set	-9556 Oct 08 j 02:47	24°♌59'13		
conjunction	-9556 Oct 24 j 22:25	27°♌05'59	1°43'28	
minimum elong	-9556 Oct 24 j 22:29	27°♌06'00	1°43'50	
max. Earth dist.	-9556 Oct 24 j 05:30	27°♌00'38	10.42167 AU	
morning rise	-9556 Nov 10 j 22:33	29°♌14'16		
	-9556 Nov 17 j 03:28	0°♍		
retrograde	-9555 Feb 25 j 09:48	7°♍14'03		
opposition	-9555 May 06 j 07:37	3°♍47'25	1°52'20	
min. Earth dist.	-9555 May 06 j 19:33	3°♍45'05	8.33472 AU	
direct	-9555 Jul 12 j 22:18	0°♍25'15		
evening set	-9555 Oct 21 j 06:38	8°♍06'30		
conjunction	-9555 Nov 07 j 07:50	10°♍17'20	1°16'48	
minimum elong	-9555 Nov 07 j 07:54	10°♍17'21	1°17'04	
max. Earth dist.	-9555 Nov 06 j 19:02	10°♍13'13	10.25070 AU	
morning rise	-9555 Nov 24 j 14:22	12°♍29'57		
retrograde	-9554 Mar 11 j 23:11	20°♍43'37		
opposition	-9554 May 20 j 09:08	17°♍15'02	1°16'04	
min. Earth dist.	-9554 May 20 j 16:38	17°♍13'32	8.16843 AU	
direct	-9554 Jul 26 j 07:13	13°♍51'33		
evening set	-9554 Nov 04 j 00:51	21°♍43'53		
conjunction	-9554 Nov 21 j 08:04	23°♍58'51	0°45'00	
minimum elong	-9554 Nov 21 j 08:06	23°♍58'52	0°45'08	
max. Earth dist.	-9554 Nov 21 j 00:44	23°♍56'27	10.09227 AU	
morning rise	-9554 Dec 08 j 21:08	26°♍15'44		
	-9553 Jan 08 j 22:33	0°♎		
retrograde	-9553 Mar 26 j 22:49	4°♎42'09		
opposition	-9553 Jun 03 j 19:40	1°♎11'48	0°33'57	
min. Earth dist.	-9553 Jun 03 j 22:23	1°♎11'15	8.01994 AU	
	-9553 Jun 18 j 21:50	30°℞♍		
direct	-9553 Aug 09 j 02:52	27°♍46'56		
	-9553 Sep 27 j 09:07	0°♎		
evening set	-9553 Nov 18 j 09:40	5°♎50'12		
conjunction	-9553 Dec 05 j 22:52	8°♎09'01	0°09'36	
minimum elong	-9553 Dec 05 j 22:53	8°♎09'01	0°09'35	
behind sun begin	-9553 Dec 05 j 16:54	8°♎07'03		
behind sun end	-9553 Dec 06 j 04:53	8°♎10'59		
max. Earth dist.	-9553 Dec 05 j 22:24	8°♎08'51	9.95620 AU	
morning rise	-9553 Dec 23 j 17:59	10°♎29'46		
desc. node	-9552 Mar 14 j 07:00	18°♎27'50		
retrograde	-9552 Apr 10 j 06:29	19°♎06'45		
opposition	-9552 Jun 17 j 13:35	15°♎34'58	-0°11'42	
min. Earth dist.	-9552 Jun 17 j 10:56	15°♎35'31	7.89886 AU	
direct	-9552 Aug 22 j 09:29	12°♎08'42		
evening set	-9552 Dec 02 j 08:50	20°♎22'06		
conjunction	-9552 Dec 20 j 03:29	22°♎44'08	-0°27'23	
minimum elong	-9552 Dec 20 j 03:28	22°♎44'07	0°27'32	
max. Earth dist.	-9552 Dec 20 j 10:21	22°♎46'26	9.85159 AU	
morning rise	-9551 Jan 07 j 03:35	25°♎07'57		
	-9551 Feb 16 j 17:43	0°♏		
retrograde	-9551 Apr 25 j 18:34	3°♏52'14		
opposition	-9551 Jul 02 j 12:35	0°♏19'28	-0°57'48	
min. Earth dist.	-9551 Jul 02 j 04:33	0°♏21'09	7.81352 AU	
	-9551 Jul 06 j 10:13	30°℞♎		
direct	-9551 Sep 06 j 02:17	26°♎51'54		
	-9551 Nov 03 j 18:07	0°♏		
evening set	-9551 Dec 17 j 20:18	5°♏13'46		
conjunction	-9550 Jan 04 j 19:17	7°♏38'03	-1°03'10	
minimum elong	-9550 Jan 04 j 19:13	7°♏38'02	1°03'27	
max. Earth dist.	-9550 Jan 05 j 09:21	7°♏42'48	9.78586 AU	
morning rise	-9550 Jan 22 j 22:48	10°♏03'49		
	-9550 Mar 04 j 21:51	15°♏		
retrograde	-9550 May 11 j 07:41	18°♏51'17		
opposition	-9550 Jul 17 j 14:12	15°♏18'05	-1°40'43	
min. Earth dist.	-9550 Jul 17 j 01:03	15°♏20'51	7.77000 AU	
	-9550 Jul 21 j 04:26	15°℞♏		
direct	-9550 Sep 21 j 01:49	11°♏49'22		
	-9550 Nov 19 j 04:41	15°♏		
evening set	-9549 Jan 02 j 16:24	20°♏17'09		
conjunction	-9549 Jan 20 j 18:15	22°♏42'29	-1°35'01	
minimum elong	-9549 Jan 20 j 18:11	22°♏42'28	1°35'25	
max. Earth dist.	-9549 Jan 21 j 14:45	22°♏49'24	9.76388 AU	
morning rise	-9549 Feb 07 j 23:26	25°♏08'54		
	-9549 Mar 20 j 02:29	0°♐		
retrograde	-9549 May 26 j 18:25	3°♐54'56		
opposition	-9549 Aug 01 j 15:24	0°♐21'53	-2°16'55	
min. Earth dist.	-9549 Jul 31 j 21:58	0°♐25'33	7.77141 AU	
	-9549 Aug 05 j 23:15	30°℞♏		
direct	-9549 Oct 06 j 05:38	26°♏52'14		
	-9549 Dec 04 j 03:17	0°♐		
evening set	-9548 Jan 18 j 16:48	5°♐22'41		
conjunction	-9548 Feb 05 j 20:06	7°♐47'52	-2°00'24	
minimum elong	-9548 Feb 05 j 20:02	7°♐47'50	2°00'53	
max. Earth dist.	-9548 Feb 06 j 21:22	7°♐56'21	9.78733 AU	
morning rise	-9548 Feb 24 j 01:20	10°♐13'36		
retrograde	-9548 Jun 09 j 23:03	18°♐53'33		
opposition	-9548 Aug 15 j 13:03	15°♐21'14	-2°43'30	
min. Earth dist.	-9548 Aug 14 j 17:01	15°♐25'27	7.81745 AU	
direct	-9548 Oct 20 j 10:21	11°♐50'57		
evening set	-9547 Feb 02 j 16:17	20°♐20'28		

Attention, astronomical year style is used: The year -9547 in astronomical counting style is the year 9548 BCE in historical counting style.

conjunction	-9547 Feb 20 j 19:45	22°♐44'20	-2°17'27
minimum elong	-9547 Feb 20 j 19:43	22°♐44'19	2°18'00
max. Earth dist.	-9547 Feb 21 j 23:42	22°♐53'38	9.85423 AU
morning rise	-9547 Mar 10 j 23:41	25°♐08'16	
	-9547 Apr 20 j 23:11	0°♑	
retrograde	-9547 Jun 24 j 18:48	3°♑38'03	
min. Earth dist.	-9547 Aug 29 j 07:37	0°♑11'26	7.90435 AU
opposition	-9547 Aug 30 j 04:40	0°♑07'00	-2°58'43
	-9547 Aug 31 j 13:59	30°℞♐	
direct	-9547 Nov 04 j 13:30	26°♐36'27	
	-9546 Jan 06 j 07:12	0°♑	
evening set	-9546 Feb 18 j 09:47	5°♑01'28	
conjunction	-9546 Mar 08 j 12:19	7°♑23'07	-2°25'16
minimum elong	-9546 Mar 08 j 12:18	7°♑23'07	2°25'50
max. Earth dist.	-9546 Mar 09 j 16:53	7°♑32'30	9.95938 AU
morning rise	-9546 Mar 26 j 13:55	9°♑44'21	
retrograde	-9546 Jul 09 j 03:07	18°♑00'58	
opposition	-9546 Sep 13 j 12:05	14°♑31'37	-3°02'08
min. Earth dist.	-9546 Sep 12 j 15:24	14°♑35'55	8.02567 AU
direct	-9546 Nov 19 j 12:52	11°♑01'13	
evening set	-9545 Mar 05 j 17:13	19°♑18'39	
conjunction	-9545 Mar 23 j 18:06	21°♑37'27	-2°23'55
minimum elong	-9545 Mar 23 j 18:08	21°♑37'27	2°24'28
max. Earth dist.	-9545 Mar 24 j 21:16	21°♑46'12	10.09532 AU
morning rise	-9545 Apr 10 j 16:51	23°♑55'26	
	-9545 Jun 06 j 03:47	0°♒	
retrograde	-9545 Jul 22 j 21:30	1°♒57'03	
	-9545 Sep 08 j 11:10	30°℞♑	
opposition	-9545 Sep 27 j 09:52	28°♑29'43	-2°54'30
min. Earth dist.	-9545 Sep 26 j 14:34	28°♑33'41	8.17318 AU
direct	-9545 Dec 04 j 04:58	24°♑59'52	
	-9544 Feb 22 j 01:09	0°♒	
evening set	-9544 Mar 19 j 11:52	3°♒07'28	
conjunction	-9544 Apr 06 j 10:36	5°♒23'03	-2°14'15
minimum elong	-9544 Apr 06 j 10:39	5°♒23'04	2°14'45
max. Earth dist.	-9544 Apr 07 j 10:40	5°♒30'41	10.25307 AU
morning rise	-9544 Apr 24 j 06:10	7°♒37'30	
	-9544 Jul 14 j 11:55	15°♒	
retrograde	-9544 Aug 04 j 02:43	15°♒23'37	
	-9544 Aug 24 j 20:49	15°℞♒	
opposition	-9544 Oct 09 j 21:33	11°♒58'27	-2°37'22
min. Earth dist.	-9544 Oct 09 j 04:03	12°♒01'59	8.33757 AU
direct	-9544 Dec 17 j 11:54	8°♒29'30	
	-9543 Mar 21 j 16:48	15°♒	
evening set	-9543 Apr 02 j 16:25	16°♒25'57	
conjunction	-9543 Apr 20 j 12:33	18°♒38'09	-1°57'37
minimum elong	-9543 Apr 20 j 12:37	18°♒38'10	1°58'03
max. Earth dist.	-9543 Apr 21 j 09:00	18°♒44'30	10.42306 AU
morning rise	-9543 May 08 j 04:34	20°♒48'59	
retrograde	-9543 Aug 16 j 21:05	28°♒20'05	
opposition	-9543 Oct 22 j 23:12	24°♒57'07	-2°12'44
min. Earth dist.	-9543 Oct 22 j 08:09	25°♒00'07	8.50958 AU
direct	-9543 Dec 31 j 07:24	21°♒29'23	
evening set	-9542 Apr 16 j 06:35	29°♒14'11	
	-9542 Apr 22 j 14:58	0°♓	
conjunction	-9542 May 03 j 23:46	1°♓23'02	-1°35'38
minimum elong	-9542 May 03 j 23:50	1°♓23'03	1°35'58
max. Earth dist.	-9542 May 04 j 16:19	1°♓28'05	10.59616 AU
morning rise	-9542 May 21 j 12:01	3°♓30'21	
retrograde	-9542 Aug 29 j 05:00	10°♓47'42	
opposition	-9542 Nov 04 j 15:33	7°♓26'50	-1°42'42
min. Earth dist.	-9542 Nov 04 j 03:54	7°♓29'07	8.68054 AU

direct	-9541 Jan 13 j 16:13	4°♓00'29	
evening set	-9541 Apr 29 j 06:59	11°♓33'55	
conjunction	-9541 May 16 j 20:48	13°♓39'33	-1°09'53
minimum elong	-9541 May 16 j 20:51	13°♓39'34	1°10'07
max. Earth dist.	-9541 May 17 j 08:48	13°♓43'09	10.76393 AU
morning rise	-9541 Jun 03 j 05:12	15°♓43'34	
retrograde	-9541 Sep 10 j 02:53	22°♓48'56	
opposition	-9541 Nov 16 j 23:33	19°♓29'59	-1°09'13
min. Earth dist.	-9541 Nov 16 j 16:34	19°♓31'20	8.84257 AU
direct	-9540 Jan 26 j 15:23	16°♓05'04	
evening set	-9540 May 10 j 19:09	23°♓28'01	
conjunction	-9540 May 28 j 05:06	25°♓30'37	-0°41'53
minimum elong	-9540 May 28 j 05:08	25°♓30'38	0°42'00
max. Earth dist.	-9540 May 28 j 11:09	25°♓32'24	10.91892 AU
morning rise	-9540 Jun 14 j 09:40	27°♓31'39	
	-9540 Jul 06 j 18:58	0°♈	
retrograde	-9540 Sep 20 j 17:00	4°♈27'02	
opposition	-9540 Nov 28 j 00:22	1°♈09'46	-0°34'00
min. Earth dist.	-9540 Nov 27 j 21:54	1°♈10'14	8.98885 AU
	-9540 Dec 13 j 16:36	30°℞♓	
direct	-9539 Feb 07 j 04:45	27°♓46'15	
	-9539 Apr 02 j 11:21	0°♈	
evening set	-9539 May 22 j 20:20	4°♈59'55	
conjunction	-9539 Jun 09 j 02:14	6°♈59'48	-0°12'57
minimum elong	-9539 Jun 09 j 02:14	6°♈59'48	0°12'57
behind sun begin	-9539 Jun 08 j 21:55	6°♈58'33	
behind sun end	-9539 Jun 09 j 06:34	7°♈01'03	
max. Earth dist.	-9539 Jun 09 j 02:16	6°♈59'48	11.05499 AU
morning rise	-9539 Jun 26 j 03:00	8°♈58'11	
retrograde	-9539 Oct 02 j 00:01	15°♈45'52	
asc. node	-9539 Nov 24 j 02:02	13°♈38'53	
opposition	-9539 Dec 09 j 19:26	12°♈29'53	0°01'29
min. Earth dist.	-9539 Dec 09 j 20:47	12°♈29'38	9.11363 AU
direct	-9538 Feb 19 j 11:15	9°♈07'42	
evening set	-9538 Jun 03 j 12:03	16°♈13'30	
conjunction	-9538 Jun 20 j 13:57	18°♈11'01	0°15'54
minimum elong	-9538 Jun 20 j 13:57	18°♈11'01	0°16'01
behind sun begin	-9538 Jun 20 j 13:12	18°♈10'48	
behind sun end	-9538 Jun 20 j 14:42	18°♈11'14	
max. Earth dist.	-9538 Jun 20 j 09:14	18°♈09'40	11.16681 AU
morning rise	-9538 Jul 07 j 10:53	20°♈07'10	
retrograde	-9538 Oct 13 j 05:30	26°♈49'25	
opposition	-9538 Dec 21 j 10:04	23°♈34'23	0°36'03
min. Earth dist.	-9538 Dec 21 j 15:20	23°♈33'24	9.21197 AU
direct	-9537 Mar 03 j 09:31	20°♈13'24	
evening set	-9537 Jun 14 j 20:30	27°♈12'59	
conjunction	-9537 Jul 01 j 18:27	29°♈08'35	0°43'34
minimum elong	-9537 Jul 01 j 18:25	29°♈08'34	0°43'47
max. Earth dist.	-9537 Jul 01 j 09:17	29°♈05'57	11.25003 AU
	-9537 Jul 09 j 05:48	0°♉	
morning rise	-9537 Jul 18 j 11:40	1°♉02'56	
retrograde	-9537 Oct 24 j 07:03	7°♉42'00	
opposition	-9536 Jan 01 j 21:50	4°♉27'35	1°08'42
min. Earth dist.	-9536 Jan 02 j 07:56	4°♉25'44	9.28028 AU
direct	-9536 Mar 13 j 23:57	1°♉07'37	
evening set	-9536 Jun 24 j 23:34	8°♉02'47	
conjunction	-9536 Jul 11 j 17:31	9°♉56'53	1°09'21
minimum elong	-9536 Jul 11 j 17:29	9°♉56'52	1°09'39
max. Earth dist.	-9536 Jul 11 j 03:05	9°♉52'45	11.30205 AU
morning rise	-9536 Jul 28 j 07:31	11°♉49'57	
	-9536 Aug 27 j 16:44	15°♉	

Attention, astronomical year style is used: The year -9536 in astronomical counting style is the year 9537 BCE in historical counting style.

retrograde	-9536 Nov 03 j 08:40	18°♉28'07	
opposition	-9535 Jan 12 j 08:36	15°♉13'56	1°38'34
min. Earth dist.	-9535 Jan 12 j 22:56	15°♉11'20	9.31685 AU
	-9535 Jan 15 j 13:16	15℞♉	
direct	-9535 Mar 25 j 12:57	11°♉54'45	
	-9535 May 29 j 17:43	15°♉	
evening set	-9535 Jul 05 j 22:42	18°♉47'11	
conjunction	-9535 Jul 22 j 13:04	20°♉40'16	1°32'30
minimum elong	-9535 Jul 22 j 13:01	20°♉40'15	1°32'53
max. Earth dist.	-9535 Jul 21 j 18:24	20°♉34'55	11.32201 AU
morning rise	-9535 Aug 08 j 00:21	22°♉32'32	
retrograde	-9535 Nov 14 j 10:56	29°♉11'57	
opposition	-9534 Jan 23 j 19:32	25°♉57'34	2°04'53
min. Earth dist.	-9534 Jan 24 j 12:30	25°♉54'29	9.32117 AU
direct	-9534 Apr 05 j 22:20	22°♉38'56	
evening set	-9534 Jul 16 j 19:51	29°♉30'16	
	-9534 Jul 21 j 05:24	0°♊	
max. Earth dist.	-9534 Aug 01 j 10:35	1°♊16'52	11.30981 AU
conjunction	-9534 Aug 02 j 07:21	1°♊22'50	1°52'23
minimum elong	-9534 Aug 02 j 07:18	1°♊22'49	1°52'51
morning rise	-9534 Aug 18 j 16:21	3°♊14'49	
retrograde	-9534 Nov 25 j 18:31	9°♊57'29	
opposition	-9533 Feb 04 j 07:58	6°♊42'32	2°26'56
min. Earth dist.	-9533 Feb 05 j 02:59	6°♊39'05	9.29343 AU
direct	-9533 Apr 17 j 07:02	3°♊24'12	
evening set	-9533 Jul 27 j 16:45	10°♊16'02	
max. Earth dist.	-9533 Aug 12 j 02:54	12°♊01'59	11.26606 AU
conjunction	-9533 Aug 13 j 01:58	12°♊08'38	2°08'24
minimum elong	-9533 Aug 13 j 01:55	12°♊08'37	2°08'56
morning rise	-9533 Aug 29 j 09:28	14°♊00'53	
retrograde	-9533 Dec 07 j 04:39	20°♊48'43	
opposition	-9532 Feb 15 j 23:41	17°♊32'51	2°44'02
min. Earth dist.	-9532 Feb 16 j 20:55	17°♊29'00	9.23464 AU
direct	-9532 Apr 27 j 13:50	14°♊14'35	
evening set	-9532 Aug 06 j 15:02	21°♊08'28	
conjunction	-9532 Aug 22 j 22:37	23°♊01'37	2°19'58
minimum elong	-9532 Aug 22 j 22:35	23°♊01'37	2°20'32
max. Earth dist.	-9532 Aug 21 j 21:12	22°♊54'13	11.19228 AU
morning rise	-9532 Sep 08 j 05:42	24°♊54'44	
	-9532 Oct 30 j 12:21	0°♋	
retrograde	-9532 Dec 17 j 20:40	1°♋49'40	
	-9531 Feb 06 j 03:14	30℞♊	
opposition	-9531 Feb 26 j 19:55	28°♊32'33	2°55'29
min. Earth dist.	-9531 Feb 27 j 18:44	28°♊28'22	9.14673 AU
direct	-9531 May 09 j 00:46	25°♊14'03	
	-9531 Jul 28 j 20:47	0°♋	
evening set	-9531 Aug 17 j 16:30	2°♋11'35	
conjunction	-9531 Sep 02 j 23:38	4°♋05'54	2°26'31
minimum elong	-9531 Sep 02 j 23:37	4°♋05'54	2°27'06
max. Earth dist.	-9531 Sep 01 j 21:53	3°♋58'19	11.09085 AU
morning rise	-9531 Sep 19 j 07:17	6°♋00'28	
retrograde	-9531 Dec 29 j 22:05	13°♋04'15	
opposition	-9530 Mar 10 j 21:37	9°♋45'37	3°00'36
min. Earth dist.	-9530 Mar 11 j 20:13	9°♋41'27	9.03248 AU
direct	-9530 May 20 j 15:11	6°♋26'43	
evening set	-9530 Aug 28 j 22:52	13°♋29'21	
max. Earth dist.	-9530 Sep 13 j 06:04	15°♋18'05	10.96494 AU
conjunction	-9530 Sep 14 j 06:50	15°♋25'29	2°27'34
minimum elong	-9530 Sep 14 j 06:51	15°♋25'29	2°28'08
morning rise	-9530 Sep 30 j 16:04	17°♋22'07	
retrograde	-9529 Jan 11 j 07:50	24°♋36'27	
opposition	-9529 Mar 23 j 06:18	21°♋16'03	2°58'45
min. Earth dist.	-9529 Mar 24 j 03:31	21°♋12'06	8.89552 AU
direct	-9529 Jun 01 j 09:03	17°♋56'35	
evening set	-9529 Sep 09 j 12:11	25°♋05'47	
conjunction	-9529 Sep 25 j 22:00	27°♋04'19	2°22'38
minimum elong	-9529 Sep 25 j 22:02	27°♋04'20	2°23'10
max. Earth dist.	-9529 Sep 24 j 22:17	26°♋57'08	10.81878 AU
morning rise	-9529 Oct 12 j 10:06	29°♋03'40	
	-9529 Oct 20 j 10:08	0°♌	
retrograde	-9528 Jan 24 j 05:08	6°♌30'00	
opposition	-9528 Apr 03 j 23:09	3°♌07'43	2°49'21
min. Earth dist.	-9528 Apr 04 j 18:37	3°♌04'03	8.74073 AU
	-9528 May 27 j 17:31	30℞♋	
direct	-9528 Jun 12 j 09:41	29°♋47'31	
	-9528 Jun 27 j 22:21	0°♌	
evening set	-9528 Sep 20 j 10:21	7°♌04'38	
conjunction	-9528 Oct 06 j 23:12	9°♌06'10	2°11'23
minimum elong	-9528 Oct 06 j 23:16	9°♌06'11	2°11'52
max. Earth dist.	-9528 Oct 06 j 00:58	8°♌59'18	10.65793 AU
morning rise	-9528 Oct 23 j 15:34	11°♌08'51	
	-9528 Nov 27 j 03:04	15°♌	
retrograde	-9527 Feb 05 j 13:25	18°♌48'19	
opposition	-9527 Apr 17 j 01:02	15°♌24'04	2°31'59
min. Earth dist.	-9527 Apr 17 j 18:26	15°♌20'45	8.57430 AU
	-9527 Apr 22 j 07:00	15℞♌	
direct	-9527 Jun 24 j 17:20	12°♌02'58	
	-9527 Aug 23 j 04:23	15°♌	
evening set	-9527 Oct 02 j 19:05	19°♌29'14	
conjunction	-9527 Oct 19 j 12:19	21°♌34'18	1°53'40
minimum elong	-9527 Oct 19 j 12:23	21°♌34'19	1°54'05
max. Earth dist.	-9527 Oct 18 j 17:27	21°♌28'22	10.48894 AU
morning rise	-9527 Nov 05 j 09:58	23°♌40'48	
	-9526 Jan 06 j 15:09	0°♍	
retrograde	-9526 Feb 19 j 08:02	1°♍34'10	
	-9526 Apr 05 j 01:39	30℞♌	
opposition	-9526 Apr 30 j 12:24	28°♌07'56	2°06'34
min. Earth dist.	-9526 May 01 j 02:26	28°♌05'12	8.40344 AU
direct	-9526 Jul 07 j 11:53	24°♌45'48	
	-9526 Sep 25 j 23:59	0°♍	
evening set	-9526 Oct 15 j 16:19	2°♍22'13	
conjunction	-9526 Nov 01 j 14:54	4°♍31'13	1°29'41
minimum elong	-9526 Nov 01 j 14:58	4°♍31'14	1°30'00
max. Earth dist.	-9526 Nov 01 j 01:08	4°♍26'49	10.31941 AU
morning rise	-9526 Nov 18 j 18:29	6°♍41'53	
retrograde	-9525 Mar 05 j 15:51	14°♍49'15	
opposition	-9525 May 14 j 09:21	11°♍21'08	1°33'28
min. Earth dist.	-9525 May 14 j 18:41	11°♍19'17	8.23654 AU
direct	-9525 Jul 20 j 16:20	7°♍57'54	
evening set	-9525 Oct 29 j 03:27	15°♍45'05	
conjunction	-9525 Nov 15 j 08:00	17°♍58'12	1°00'05
minimum elong	-9525 Nov 15 j 08:03	17°♍58'13	1°00'17
max. Earth dist.	-9525 Nov 15 j 00:12	17°♍55'40	10.15826 AU
morning rise	-9525 Dec 02 j 17:55	20°♍13'09	
retrograde	-9524 Mar 19 j 11:27	28°♍33'51	
opposition	-9524 May 27 j 15:42	25°♍04'00	0°53'46
min. Earth dist.	-9524 May 27 j 19:20	25°♍03'16	8.08299 AU
direct	-9524 Aug 02 j 06:12	21°♍39'37	
evening set	-9524 Nov 11 j 05:22	29°♍37'46	
	-9524 Nov 14 j 02:01	0°♎	
conjunction	-9524 Nov 28 j 15:58	1°♎54'51	0°26'05
minimum elong	-9524 Nov 28 j 15:59	1°♎54'52	0°26'08

Attention, astronomical year style is used: The year -9524 in astronomical counting style is the year 9525 BCE in historical counting style.

max. Earth dist.	-9524 Nov 28 j 14:25	1°♎54'21	10.01500 AU
morning rise	-9524 Dec 16 j 08:12	4°♎13'52	
retrograde	-9523 Apr 03 j 16:30	12°♎46'11	
opposition	-9523 Jun 11 j 06:16	9°♎14'56	0°09'23
min. Earth dist.	-9523 Jun 11 j 04:19	9°♎15'20	7.95234 AU
direct	-9523 Aug 16 j 06:46	5°♎49'23	
desc. node	-9523 Aug 27 j 03:02	5°♎56'10	
evening set	-9523 Nov 25 j 22:11	13°♎58'04	
conjunction	-9523 Dec 13 j 14:23	16°♎18'39	-0°10'32
minimum elong	-9523 Dec 13 j 14:22	16°♎18'39	0°10'37
behind sun begin	-9523 Dec 13 j 08:46	16°♎16'48	
behind sun end	-9523 Dec 13 j 19:59	16°♎20'30	
max. Earth dist.	-9523 Dec 13 j 19:22	16°♎20'18	9.89895 AU
morning rise	-9523 Dec 31 j 12:10	18°♎41'06	
retrograde	-9522 Apr 19 j 03:37	27°♎22'16	
opposition	-9522 Jun 26 j 03:06	23°♎50'03	-0°36'56
min. Earth dist.	-9522 Jun 25 j 19:59	23°♎51'31	7.85361 AU
direct	-9522 Aug 30 j 18:26	20°♎23'19	
evening set	-9522 Dec 11 j 04:18	28°♎41'18	
	-9522 Dec 21 j 01:02	0°♏	
conjunction	-9522 Dec 29 j 01:14	1°♏04'33	-0°47'09
minimum elong	-9522 Dec 29 j 01:11	1°♏04'33	0°47'23
max. Earth dist.	-9522 Dec 29 j 12:51	1°♏08'28	9.81852 AU
morning rise	-9521 Jan 16 j 03:16	3°♏29'28	
retrograde	-9521 May 04 j 17:08	12°♏15'43	
opposition	-9521 Jul 11 j 04:01	8°♏43'01	-1°21'44
min. Earth dist.	-9521 Jul 10 j 16:12	8°♏45'29	7.79416 AU
direct	-9521 Sep 14 j 14:39	5°♏15'13	
evening set	-9521 Dec 26 j 20:49	13°♏40'16	
	-9520 Jan 05 j 20:00	15°♏	
conjunction	-9520 Jan 13 j 21:15	16°♏05'06	-1°21'08
minimum elong	-9520 Jan 13 j 21:11	16°♏05'05	1°21'29
max. Earth dist.	-9520 Jan 14 j 15:04	16°♏11'07	9.77990 AU
morning rise	-9520 Feb 01 j 01:54	18°♏31'15	
retrograde	-9520 May 19 j 05:31	27°♏18'05	
opposition	-9520 Jul 25 j 05:50	23°♏45'25	-2°01'22
min. Earth dist.	-9520 Jul 24 j 14:11	23°♏48'43	7.77845 AU
direct	-9520 Sep 28 j 17:02	20°♏16'42	
evening set	-9519 Jan 10 j 19:54	28°♏45'50	
	-9519 Jan 20 j 03:02	0°♐	
conjunction	-9519 Jan 28 j 22:27	1°♐11'02	-1°49'43
minimum elong	-9519 Jan 28 j 22:23	1°♐11'00	1°50'11
max. Earth dist.	-9519 Jan 29 j 21:17	1°♐18'42	9.78593 AU
morning rise	-9519 Feb 16 j 03:54	3°♐37'03	
retrograde	-9519 Jun 03 j 12:59	12°♐19'42	
min. Earth dist.	-9519 Aug 08 j 10:45	8°♐51'32	7.80720 AU
opposition	-9519 Aug 09 j 05:20	8°♐47'37	-2°32'35
direct	-9519 Oct 13 j 22:21	5°♐18'11	
evening set	-9518 Jan 26 j 20:17	13°♐47'54	
conjunction	-9518 Feb 13 j 23:35	16°♐12'15	-2°10'43
minimum elong	-9518 Feb 13 j 23:31	16°♐12'14	2°11'15
max. Earth dist.	-9518 Feb 15 j 01:46	16°♐21'00	9.83550 AU
morning rise	-9518 Mar 04 j 04:15	18°♐36'55	
retrograde	-9518 Jun 18 j 12:23	27°♐11'06	
opposition	-9518 Aug 23 j 23:49	23°♐40'03	-2°53'04
min. Earth dist.	-9518 Aug 23 j 03:25	23°♐44'20	7.87707 AU
direct	-9518 Oct 29 j 03:15	20°♐10'12	
evening set	-9517 Feb 11 j 16:34	28°♐36'57	
	-9517 Feb 22 j 07:02	0°♑	
conjunction	-9517 Mar 01 j 19:31	0°♑59'29	-2°22'47
minimum elong	-9517 Mar 01 j 19:30	0°♑59'29	2°23'20
max. Earth dist.	-9517 Mar 02 j 23:04	1°♑08'35	9.92355 AU
morning rise	-9517 Mar 19 j 22:17	3°♑21'51	
retrograde	-9517 Jul 03 j 01:45	11°♑44'17	
opposition	-9517 Sep 07 j 10:56	8°♑14'43	-3°01'50
min. Earth dist.	-9517 Sep 06 j 14:07	8°♑19'04	7.98162 AU
direct	-9517 Nov 13 j 04:41	4°♑44'50	
evening set	-9516 Feb 27 j 04:56	13°♑05'35	
conjunction	-9516 Mar 16 j 06:43	15°♑25'37	-2°25'32
minimum elong	-9516 Mar 16 j 06:44	15°♑25'38	2°26'06
max. Earth dist.	-9516 Mar 17 j 09:49	15°♑34'26	10.04307 AU
morning rise	-9516 Apr 03 j 06:49	17°♑45'01	
retrograde	-9516 Jul 16 j 02:43	25°♑53'30	
opposition	-9516 Sep 20 j 13:08	22°♑25'47	-2°59'06
min. Earth dist.	-9516 Sep 19 j 17:09	22°♑29'54	8.11376 AU
direct	-9516 Nov 26 j 23:33	18°♑56'12	
evening set	-9515 Mar 13 j 06:02	27°♑08'26	
conjunction	-9515 Mar 31 j 05:58	29°♑25'29	-2°19'30
minimum elong	-9515 Mar 31 j 06:00	29°♑25'30	2°20'02
max. Earth dist.	-9515 Apr 01 j 07:13	29°♑33'33	10.18679 AU
	-9515 Apr 04 j 18:00	0°♒	
morning rise	-9515 Apr 18 j 02:54	1°♒41'32	
retrograde	-9515 Jul 29 j 15:25	9°♒34'57	
opposition	-9515 Oct 04 j 05:52	6°♒09'14	-2°46'05
min. Earth dist.	-9515 Oct 03 j 12:06	6°♒12'51	8.26597 AU
direct	-9515 Dec 11 j 09:56	2°♒40'16	
evening set	-9514 Mar 27 j 17:33	10°♒42'08	
conjunction	-9514 Apr 14 j 15:02	12°♒55'56	-2°05'51
minimum elong	-9514 Apr 14 j 15:06	12°♒55'58	2°06'19
max. Earth dist.	-9514 Apr 15 j 12:54	13°♒02'48	10.34652 AU
	-9514 May 01 j 05:02	15°♒	
morning rise	-9514 May 02 j 08:35	15°♒08'28	
retrograde	-9514 Aug 11 j 16:08	22°♒46'46	
opposition	-9514 Oct 17 j 12:39	19°♒23'04	-2°24'37
min. Earth dist.	-9514 Oct 16 j 21:59	19°♒26'01	8.42983 AU
direct	-9514 Dec 25 j 10:31	15°♒54'59	
evening set	-9513 Apr 10 j 14:52	23°♒45'33	
conjunction	-9513 Apr 28 j 09:28	25°♒56'03	-1°46'05
minimum elong	-9513 Apr 28 j 09:32	25°♒56'04	1°46'28
max. Earth dist.	-9513 Apr 29 j 02:24	26°♒01'16	10.51352 AU
morning rise	-9513 May 15 j 23:32	28°♒05'04	
	-9513 Jun 01 j 08:25	0°♓	
retrograde	-9513 Aug 24 j 03:45	5°♓29'03	
opposition	-9513 Oct 30 j 09:33	2°♓07'20	-1°56'47
min. Earth dist.	-9513 Oct 29 j 22:15	2°♓09'34	8.59671 AU
	-9513 Nov 28 j 11:31	30°℞♒	
direct	-9512 Jan 08 j 02:03	28°♒40'18	
	-9512 Feb 17 j 11:21	0°♓	
evening set	-9512 Apr 22 j 22:08	6°♓19'29	
conjunction	-9512 May 10 j 13:30	8°♓26'43	-1°21'50
minimum elong	-9512 May 10 j 13:33	8°♓26'44	1°22'07
max. Earth dist.	-9512 May 11 j 01:10	8°♓30'15	10.67924 AU
morning rise	-9512 May 27 j 23:55	10°♓32'24	
retrograde	-9512 Sep 04 j 05:08	17°♓43'37	
opposition	-9512 Nov 10 j 21:39	14°♓23'41	-1°24'37
min. Earth dist.	-9512 Nov 10 j 13:30	14°♓25'16	8.75844 AU
direct	-9511 Jan 20 j 07:52	10°♓57'52	
evening set	-9511 May 05 j 16:06	18°♓26'10	
conjunction	-9511 May 23 j 03:57	20°♓30'18	-0°54'40
minimum elong	-9511 May 23 j 03:59	20°♓30'19	0°54'50
max. Earth dist.	-9511 May 23 j 11:02	20°♓32'25	10.83594 AU
morning rise	-9511 Jun 09 j 10:28	22°♓32'51	

Attention, astronomical year style is used: The year -9511 in astronomical counting style is the year 9512 BCE in historical counting style.

retrograde	-9511 Sep 16 j 00:02	29°♓33'14	
opposition	-9511 Nov 23 j 02:01	26°♓14'52	-0°49'57
min. Earth dist.	-9511 Nov 22 j 21:30	26°♓15'44	8.90797 AU
direct	-9510 Feb 02 j 01:46	22°♓50'20	
	-9510 May 16 j 15:50	0°♈	
evening set	-9510 May 17 j 22:22	0°♈08'45	
conjunction	-9510 Jun 04 j 06:26	2°♈10'05	-0°25'58
minimum elong	-9510 Jun 04 j 06:27	2°♈10'05	0°26'01
max. Earth dist.	-9510 Jun 04 j 09:11	2°♈10'53	10.97714 AU
morning rise	-9510 Jun 21 j 08:57	4°♈09'50	
retrograde	-9510 Sep 27 j 10:37	11°♈01'28	
opposition	-9510 Dec 04 j 23:51	7°♈44'27	-0°14'22
min. Earth dist.	-9510 Dec 04 j 23:55	7°♈44'26	9.03954 AU
direct	-9509 Feb 14 j 10:14	4°♈21'08	
asc. node	-9509 May 06 j 10:26	8°♈59'15	
evening set	-9509 May 29 j 18:36	11°♈31'04	
conjunction	-9509 Jun 15 j 22:31	13°♈29'51	0°03'08
minimum elong	-9509 Jun 15 j 22:32	13°♈29'52	0°03'13
behind sun begin	-9509 Jun 15 j 15:31	13°♈27'51	
behind sun end	-9509 Jun 16 j 05:34	13°♈31'52	
max. Earth dist.	-9509 Jun 15 j 19:53	13°♈29'08	11.09763 AU
morning rise	-9509 Jul 02 j 21:17	15°♈27'13	
retrograde	-9509 Oct 08 j 16:27	22°♈12'20	
opposition	-9509 Dec 16 j 16:43	18°♈56'22	0°20'48
min. Earth dist.	-9509 Dec 16 j 21:19	18°♈55'31	9.14842 AU
direct	-9508 Feb 26 j 12:28	15°♈34'13	
evening set	-9508 Jun 09 j 06:35	22°♈37'12	
conjunction	-9508 Jun 26 j 06:18	24°♈33'51	0°31'25
minimum elong	-9508 Jun 26 j 06:17	24°♈33'50	0°31'36
max. Earth dist.	-9508 Jun 25 j 22:14	24°♈31'31	11.19336 AU
morning rise	-9508 Jul 13 j 01:25	26°♈29'12	
	-9508 Aug 15 j 21:50	0°♉	
retrograde	-9508 Oct 18 j 18:21	3°♉10'05	
	-9508 Dec 26 j 01:51	30°℞♈	
opposition	-9508 Dec 27 j 05:58	29°♈54'49	0°54'28
min. Earth dist.	-9508 Dec 27 j 13:53	29°♈53'22	9.23106 AU
direct	-9507 Mar 09 j 07:47	26°♈33'46	
	-9507 May 17 j 09:42	0°♉	
evening set	-9507 Jun 20 j 12:02	3°♉31'25	
conjunction	-9507 Jul 07 j 07:51	5°♉26'20	0°58'10
minimum elong	-9507 Jul 07 j 07:49	5°♉26'19	0°58'26
max. Earth dist.	-9507 Jul 06 j 20:13	5°♉23'00	11.26143 AU
morning rise	-9507 Jul 23 j 23:27	7°♉20'07	
retrograde	-9507 Oct 29 j 21:30	13°♉59'00	
opposition	-9506 Jan 07 j 17:14	10°♉44'09	1°25'43
min. Earth dist.	-9506 Jan 08 j 04:05	10°♉42'10	9.28494 AU
direct	-9506 Mar 20 j 22:35	7°♉24'04	
evening set	-9506 Jul 01 j 12:45	14°♉18'00	
	-9506 Jul 07 j 17:49	15°♉	
conjunction	-9506 Jul 18 j 04:57	16°♉11'40	1°22'36
minimum elong	-9506 Jul 18 j 04:55	16°♉11'39	1°22'57
max. Earth dist.	-9506 Jul 17 j 14:12	16°♉07'26	11.29977 AU
morning rise	-9506 Aug 03 j 17:24	18°♉04'22	
retrograde	-9506 Nov 09 j 23:25	24°♉43'21	
opposition	-9505 Jan 19 j 04:00	21°♉28'36	1°53'44
min. Earth dist.	-9505 Jan 19 j 18:22	21°♉25'59	9.30842 AU
direct	-9505 Apr 01 j 07:19	18°♉09'19	
evening set	-9505 Jul 12 j 10:50	25°♉01'16	
conjunction	-9505 Jul 28 j 23:37	26°♉54'07	1°44'01
minimum elong	-9505 Jul 28 j 23:34	26°♉54'06	1°44'27
max. Earth dist.	-9505 Jul 28 j 04:51	26°♉48'45	11.30723 AU

morning rise	-9505 Aug 14 j 09:36	28°♉46'16	
	-9505 Aug 25 j 13:35	0°♊	
retrograde	-9505 Nov 21 j 03:27	5°♊27'26	
opposition	-9504 Jan 30 j 15:42	2°♊12'28	2°17'46
min. Earth dist.	-9504 Jan 31 j 09:23	2°♊09'16	9.30080 AU
	-9504 Mar 04 j 00:07	30°℞♉	
direct	-9504 Apr 11 j 16:09	28°♉53'46	
	-9504 May 19 j 12:40	0°♊	
evening set	-9504 Jul 22 j 07:48	5°♊45'23	
conjunction	-9504 Aug 07 j 17:50	7°♊37'57	2°01'49
minimum elong	-9504 Aug 07 j 17:47	7°♊37'56	2°02'20
max. Earth dist.	-9504 Aug 06 j 20:22	7°♊31'46	11.28370 AU
morning rise	-9504 Aug 24 j 02:03	9°♊30'04	
retrograde	-9504 Dec 01 j 11:49	16°♊15'25	
opposition	-9503 Feb 10 j 05:56	12°♊59'54	2°37'07
min. Earth dist.	-9503 Feb 11 j 01:13	12°♊56'24	9.26222 AU
direct	-9503 Apr 23 j 00:30	9°♊41'35	
evening set	-9503 Aug 02 j 05:11	16°♊34'25	
conjunction	-9503 Aug 18 j 13:27	18°♊27'15	2°15'25
minimum elong	-9503 Aug 18 j 13:24	18°♊27'15	2°15'58
max. Earth dist.	-9503 Aug 17 j 15:03	18°♊20'45	11.22970 AU
morning rise	-9503 Sep 03 j 20:35	20°♊19'54	
retrograde	-9503 Dec 13 j 02:48	27°♊11'23	
opposition	-9502 Feb 21 j 23:55	23°♊54'58	2°51'06
min. Earth dist.	-9502 Feb 22 j 19:57	23°♊51'19	9.19364 AU
direct	-9502 May 04 j 10:10	20°♊36'48	
evening set	-9502 Aug 13 j 05:11	27°♊32'25	
conjunction	-9502 Aug 29 j 12:30	29°♊26'06	2°24'14
minimum elong	-9502 Aug 29 j 12:28	29°♊26'06	2°24'48
max. Earth dist.	-9502 Aug 28 j 13:00	29°♊19'14	11.14674 AU
	-9502 Sep 03 j 08:19	0°♋	
morning rise	-9502 Sep 14 j 19:35	1°♋19'52	
retrograde	-9502 Dec 25 j 00:51	8°♋19'14	
opposition	-9501 Mar 05 j 22:57	5°♋01'39	2°59'03
min. Earth dist.	-9501 Mar 06 j 19:59	4°♋57'48	9.09704 AU
direct	-9501 May 15 j 21:02	1°♋43'23	
evening set	-9501 Aug 24 j 09:22	8°♋43'18	
conjunction	-9501 Sep 09 j 16:40	10°♋38'25	2°27'44
minimum elong	-9501 Sep 09 j 16:40	10°♋38'25	2°28'18
max. Earth dist.	-9501 Sep 08 j 16:01	10°♋31'07	11.03739 AU
morning rise	-9501 Sep 26 j 00:59	12°♋33'56	
retrograde	-9500 Jan 06 j 04:59	19°♋42'54	
opposition	-9500 Mar 17 j 04:32	16°♋23'51	3°00'17
min. Earth dist.	-9500 Mar 18 j 01:59	16°♋19'53	8.97545 AU
direct	-9500 May 26 j 12:26	13°♋05'14	
evening set	-9500 Sep 03 j 19:16	20°♋10'52	
max. Earth dist.	-9500 Sep 19 j 03:56	22°♋00'50	10.90506 AU
conjunction	-9500 Sep 20 j 03:53	22°♋08'03	2°25'28
minimum elong	-9500 Sep 20 j 03:55	22°♋08'03	2°26'00
morning rise	-9500 Oct 06 j 14:35	24°♋05'55	
	-9500 Dec 06 j 11:29	0°♌	
retrograde	-9499 Jan 17 j 20:52	1°♌26'03	
	-9499 Mar 02 j 10:28	30°℞♋	
opposition	-9499 Mar 29 j 17:32	28°♋05'16	2°54'14
min. Earth dist.	-9499 Mar 30 j 13:58	28°♋01'27	8.83269 AU
direct	-9499 Jun 07 j 11:46	24°♋46'02	
	-9499 Aug 29 j 10:26	0°♌	
evening set	-9499 Sep 15 j 13:02	1°♌58'45	
max. Earth dist.	-9499 Oct 01 j 02:35	3°♌51'59	10.75386 AU
conjunction	-9499 Oct 02 j 00:21	3°♌58'38	2°17'01
minimum elong	-9499 Oct 02 j 00:23	3°♌58'39	2°17'32

Attention, astronomical year style is used: The year -9499 in astronomical counting style is the year 9500 BCE in historical counting style.

morning rise	-9499 Oct 18 j 14:29	5°♌59'30	
retrograde	-9498 Jan 30 j 23:36	13°♌32'03	
opposition	-9498 Apr 11 j 14:40	10°♌09'22	2°40'26
min. Earth dist.	-9498 Apr 12 j 08:42	10°♌05'57	8.67337 AU
direct	-9498 Jun 19 j 15:52	6°♌49'20	
evening set	-9498 Sep 27 j 16:28	14°♌10'29	
	-9498 Oct 04 j 10:04	15°♌	
max. Earth dist.	-9498 Oct 13 j 11:52	16°♌07'31	10.58896 AU
conjunction	-9498 Oct 14 j 07:35	16°♌13'38	2°02'11
minimum elong	-9498 Oct 14 j 07:38	16°♌13'39	2°02'38
morning rise	-9498 Oct 31 j 02:25	18°♌18'04	
retrograde	-9497 Feb 13 j 13:44	26°♌04'07	
opposition	-9497 Apr 24 j 21:09	22°♌39'27	2°18'37
min. Earth dist.	-9497 Apr 25 j 12:18	22°♌36'32	8.50351 AU
direct	-9497 Jul 02 j 04:31	19°♌18'27	
evening set	-9497 Oct 10 j 07:22	26°♌49'15	
max. Earth dist.	-9497 Oct 26 j 10:21	28°♌50'50	10.41749 AU
conjunction	-9497 Oct 27 j 03:14	28°♌56'10	1°40'59
minimum elong	-9497 Oct 27 j 03:18	28°♌56'11	1°41'21
	-9497 Nov 04 j 13:14	0°♍	
morning rise	-9497 Nov 13 j 03:50	1°♍04'38	
retrograde	-9496 Feb 27 j 16:20	9°♍04'44	
opposition	-9496 May 07 j 13:25	5°♍38'04	1°48'56
min. Earth dist.	-9496 May 08 j 01:07	5°♍35'47	8.33157 AU
direct	-9496 Jul 14 j 02:57	2°♍15'55	
evening set	-9496 Oct 22 j 11:34	9°♍57'17	
conjunction	-9496 Nov 08 j 13:04	12°♍08'15	1°13'51
minimum elong	-9496 Nov 08 j 13:08	12°♍08'16	1°14'06
max. Earth dist.	-9496 Nov 08 j 00:28	12°♍04'11	10.24866 AU
morning rise	-9496 Nov 25 j 20:05	14°♍21'01	
retrograde	-9495 Mar 13 j 05:47	22°♍34'52	
opposition	-9495 May 21 j 15:05	19°♍06'17	1°12'08
min. Earth dist.	-9495 May 21 j 22:42	19°♍04'46	8.16740 AU
direct	-9495 Jul 27 j 12:05	15°♍42'48	
evening set	-9495 Nov 05 j 06:08	23°♍35'12	
conjunction	-9495 Nov 22 j 13:46	25°♍50'15	0°41'43
minimum elong	-9495 Nov 22 j 13:48	25°♍50'16	0°41'50
max. Earth dist.	-9495 Nov 22 j 07:12	25°♍48'07	10.09229 AU
morning rise	-9495 Dec 10 j 03:12	28°♍07'14	
	-9495 Dec 25 j 03:46	0°♎	
retrograde	-9494 Mar 28 j 04:50	6°♎33'39	
opposition	-9494 Jun 05 j 01:28	3°♎03'19	0°29'43
min. Earth dist.	-9494 Jun 05 j 04:03	3°♎02'48	8.02096 AU
	-9494 Jul 21 j 19:37	30°℞♍	
direct	-9494 Aug 10 j 08:49	29°♍38'29	
	-9494 Aug 29 j 17:16	0°♎	
evening set	-9494 Nov 19 j 15:23	7°♎41'44	
conjunction	-9494 Dec 07 j 04:59	10°♎00'36	0°06'12
minimum elong	-9494 Dec 07 j 04:59	10°♎00'36	0°06'10
behind sun begin	-9494 Dec 06 j 22:06	9°♎58'21	
behind sun end	-9494 Dec 07 j 11:52	10°♎02'52	
max. Earth dist.	-9494 Dec 07 j 05:33	10°♎00'47	9.95816 AU
morning rise	-9494 Dec 25 j 00:16	12°♎21'22	
desc. node	-9493 Feb 09 j 05:21	17°♎43'40	
retrograde	-9493 Apr 12 j 11:32	20°♎58'09	
opposition	-9493 Jun 19 j 19:03	17°♎26'25	-0°15'58
min. Earth dist.	-9493 Jun 19 j 15:51	17°♎27'04	7.90184 AU
direct	-9493 Aug 24 j 16:08	14°♎00'12	
evening set	-9493 Dec 04 j 14:45	22°♎13'28	
conjunction	-9493 Dec 22 j 09:40	24°♎35'29	-0°30'42
minimum elong	-9493 Dec 22 j 09:38	24°♎35'29	0°30'53
max. Earth dist.	-9493 Dec 22 j 17:32	24°♎38'07	9.85544 AU
morning rise	-9492 Jan 09 j 09:48	26°♎59'15	
	-9492 Feb 02 j 09:19	0°♏	
retrograde	-9492 Apr 26 j 23:05	5°♏43'09	
opposition	-9492 Jul 03 j 17:42	2°♏10'26	-1°01'47
min. Earth dist.	-9492 Jul 03 j 08:55	2°♏12'16	7.81836 AU
	-9492 Jul 31 j 23:42	30°℞♎	
direct	-9492 Sep 07 j 07:30	28°♎42'55	
	-9492 Oct 13 j 23:38	0°♏	
evening set	-9492 Dec 19 j 02:13	7°♏04'31	
conjunction	-9491 Jan 06 j 01:20	9°♏28'44	-1°06'09
minimum elong	-9491 Jan 06 j 01:16	9°♏28'43	1°06'28
max. Earth dist.	-9491 Jan 06 j 16:03	9°♏33'42	9.79148 AU
morning rise	-9491 Jan 24 j 04:49	11°♏54'24	
	-9491 Feb 17 j 17:18	15°♏	
retrograde	-9491 May 12 j 12:26	20°♏41'16	
opposition	-9491 Jul 18 j 18:51	17°♏08'08	-1°44'08
min. Earth dist.	-9491 Jul 18 j 05:13	17°♏11'00	7.77646 AU
	-9491 Aug 15 j 04:24	15°℞♏	
direct	-9491 Sep 22 j 05:51	13°♏39'26	
	-9491 Oct 29 j 19:22	15°♏	
evening set	-9490 Jan 03 j 22:18	22°♏06'52	
conjunction	-9490 Jan 22 j 00:09	24°♏32'05	-1°37'28
minimum elong	-9490 Jan 22 j 00:04	24°♏32'04	1°37'54
max. Earth dist.	-9490 Jan 22 j 20:39	24°♏39'00	9.77097 AU
morning rise	-9490 Feb 09 j 05:14	26°♏58'20	
	-9490 Mar 05 j 04:16	0°♐	
retrograde	-9490 May 27 j 23:15	5°♐43'34	
opposition	-9490 Aug 02 j 19:24	2°♐10'37	-2°19'33
min. Earth dist.	-9490 Aug 02 j 02:09	2°♐14'15	7.77912 AU
	-9490 Aug 30 j 16:49	30°℞♏	
direct	-9490 Oct 07 j 09:07	28°♏40'57	
	-9490 Nov 13 j 17:38	0°♐	
evening set	-9489 Jan 19 j 22:17	7°♐10'59	
conjunction	-9489 Feb 07 j 01:27	9°♐35'58	-2°02'09
minimum elong	-9489 Feb 07 j 01:23	9°♐35'57	2°02'39
max. Earth dist.	-9489 Feb 08 j 02:07	9°♐44'15	9.79545 AU
morning rise	-9489 Feb 25 j 06:35	12°♐01'31	
retrograde	-9489 Jun 12 j 03:35	20°♐40'33	
opposition	-9489 Aug 17 j 16:30	17°♐08'20	-2°45'11
min. Earth dist.	-9489 Aug 16 j 21:10	17°♐12'25	7.82595 AU
direct	-9489 Oct 22 j 14:07	13°♐38'02	
evening set	-9488 Feb 04 j 21:02	22°♐07'02	
conjunction	-9488 Feb 23 j 00:19	24°♐30'42	-2°18'25
minimum elong	-9488 Feb 23 j 00:16	24°♐30'41	2°18'58
max. Earth dist.	-9488 Feb 24 j 03:12	24°♐39'38	9.86289 AU
morning rise	-9488 Mar 12 j 04:10	26°♐54'26	
	-9488 Apr 06 j 01:52	0°♑	
retrograde	-9488 Jun 25 j 22:17	5°♑23'15	
min. Earth dist.	-9488 Aug 30 j 11:17	1°♑56'32	7.91307 AU
opposition	-9488 Aug 31 j 07:25	1°♑52'18	-2°59'23
	-9488 Sep 23 j 20:51	30°℞♐	
direct	-9488 Nov 05 j 18:02	28°♐21'44	
	-9488 Dec 18 j 07:07	0°♑	
evening set	-9487 Feb 19 j 13:49	6°♑46'12	
conjunction	-9487 Mar 09 j 16:12	9°♑07'38	-2°25'26
minimum elong	-9487 Mar 09 j 16:12	9°♑07'38	2°26'00
max. Earth dist.	-9487 Mar 10 j 19:24	9°♑16'33	9.96795 AU
morning rise	-9487 Mar 27 j 17:46	11°♑28'41	
retrograde	-9487 Jul 10 j 04:10	19°♑44'20	
opposition	-9487 Sep 14 j 14:07	16°♑15'06	-3°01'50
min. Earth dist.	-9487 Sep 13 j 18:07	16°♑19'15	8.03396 AU

Attention, astronomical year style is used: The year -9487 in astronomical counting style is the year 9488 BCE in historical counting style.

direct	-9487 Nov 20 j 17:08	12°♓44'40	
evening set	-9486 Mar 06 j 20:28	21°♓01'33	
conjunction	-9486 Mar 24 j 21:15	23°♓20'10	-2°23'20
minimum elong	-9486 Mar 24 j 21:17	23°♓20'11	2°23'52
max. Earth dist.	-9486 Mar 25 j 23:10	23°♓28'32	10.10315 AU
morning rise	-9486 Apr 11 j 19:56	25°♓37'59	
	-9486 May 19 j 12:28	0°♒	
retrograde	-9486 Jul 23 j 21:42	3°♒38'47	
opposition	-9486 Sep 28 j 11:21	0°♒11'31	-2°53'18
min. Earth dist.	-9486 Sep 27 j 16:09	0°♒15'27	8.18040 AU
	-9486 Sep 30 j 19:26	30°℞♓	
direct	-9486 Dec 05 j 07:59	26°♓41'39	
	-9485 Feb 06 j 18:21	0°♒	
evening set	-9485 Mar 21 j 14:10	4°♒48'42	
conjunction	-9485 Apr 08 j 12:54	7°♒04'10	-2°12'59
minimum elong	-9485 Apr 08 j 12:57	7°♒04'11	2°13'29
max. Earth dist.	-9485 Apr 09 j 12:26	7°♒11'37	10.25960 AU
morning rise	-9485 Apr 26 j 08:19	9°♒18'27	
	-9485 Jun 18 j 17:28	15°♒	
retrograde	-9485 Aug 06 j 03:46	17°♒03'55	
	-9485 Sep 24 j 17:45	15°℞♒	
opposition	-9485 Oct 11 j 22:31	13°♒38'46	-2°35'26
min. Earth dist.	-9485 Oct 11 j 04:57	13°♒42'19	8.34323 AU
direct	-9485 Dec 19 j 13:14	10°♒09'50	
	-9484 Mar 07 j 23:08	15°♒	
evening set	-9484 Apr 03 j 18:04	18°♒05'49	
conjunction	-9484 Apr 21 j 14:15	20°♒17'56	-1°55'48
minimum elong	-9484 Apr 21 j 14:19	20°♒17'57	1°56'13
max. Earth dist.	-9484 Apr 22 j 10:43	20°♒24'18	10.42784 AU
morning rise	-9484 May 09 j 06:04	22°♒28'40	
retrograde	-9484 Aug 17 j 22:01	29°♒59'16	
opposition	-9484 Oct 23 j 23:48	26°♒36'19	-2°10'12
min. Earth dist.	-9484 Oct 23 j 09:18	26°♒39'12	8.51329 AU
direct	-9483 Jan 01 j 08:18	23°♒08'33	
	-9483 Apr 09 j 20:10	0°♓	
evening set	-9483 Apr 17 j 07:49	0°♓53'04	
conjunction	-9483 May 05 j 00:57	3°♓01'52	-1°33'22
minimum elong	-9483 May 05 j 01:01	3°♓01'53	1°33'42
max. Earth dist.	-9483 May 05 j 17:12	3°♓06'49	10.59885 AU
morning rise	-9483 May 22 j 13:01	5°♓09'07	
retrograde	-9483 Aug 30 j 05:22	12°♓26'09	
opposition	-9483 Nov 05 j 16:05	9°♓05'19	-1°39'43
min. Earth dist.	-9483 Nov 05 j 05:35	9°♓07'22	8.68211 AU
direct	-9482 Jan 14 j 17:10	5°♓38'55	
evening set	-9482 Apr 30 j 07:54	13°♓12'15	
conjunction	-9482 May 17 j 21:29	15°♓17'50	-1°07'19
minimum elong	-9482 May 17 j 21:32	15°♓17'51	1°07'32
max. Earth dist.	-9482 May 18 j 08:22	15°♓21'05	10.76440 AU
morning rise	-9482 Jun 04 j 05:48	17°♓21'49	
retrograde	-9482 Sep 11 j 03:04	24°♓27'05	
opposition	-9482 Nov 18 j 00:05	21°♓08'09	-1°05'55
min. Earth dist.	-9482 Nov 17 j 17:52	21°♓09'21	8.84200 AU
direct	-9481 Jan 27 j 15:54	17°♓43'12	
evening set	-9481 May 12 j 19:48	25°♓06'11	
conjunction	-9481 May 30 j 05:33	27°♓08'47	-0°39'06
minimum elong	-9481 May 30 j 05:35	27°♓08'47	0°39'12
max. Earth dist.	-9481 May 30 j 10:23	27°♓10'12	10.91729 AU
morning rise	-9481 Jun 16 j 10:06	29°♓09'49	
	-9481 Jun 23 j 17:45	0°♈	
retrograde	-9481 Sep 22 j 16:03	6°♈05'19	
opposition	-9481 Nov 30 j 00:51	2°♈48'01	-0°30'31
min. Earth dist.	-9481 Nov 29 j 22:19	2°♈48'30	8.98619 AU
	-9480 Jan 12 j 19:09	30°℞♓	
direct	-9480 Feb 09 j 06:27	29°♓24'29	
	-9480 Mar 07 j 14:09	0°♈	
evening set	-9480 May 23 j 20:55	6°♈38'20	
conjunction	-9480 Jun 10 j 02:45	8°♈38'14	-0°10'04
minimum elong	-9480 Jun 10 j 02:45	8°♈38'14	0°10'03
behind sun begin	-9480 Jun 09 j 21:03	8°♈36'35	
behind sun end	-9480 Jun 10 j 08:26	8°♈39'53	
max. Earth dist.	-9480 Jun 10 j 02:45	8°♈38'14	11.05135 AU
morning rise	-9480 Jun 27 j 03:20	10°♈36'39	
retrograde	-9480 Oct 03 j 02:13	17°♈24'37	
asc. node	-9480 Oct 18 j 13:57	17°♈12'26	
opposition	-9480 Dec 10 j 20:11	14°♈08'37	0°05'02
min. Earth dist.	-9480 Dec 10 j 21:23	14°♈08'23	9.10906 AU
direct	-9479 Feb 20 j 12:16	10°♈46'27	
evening set	-9479 Jun 04 j 12:48	17°♈52'30	
conjunction	-9479 Jun 21 j 14:35	19°♈50'05	0°18'48
minimum elong	-9479 Jun 21 j 14:34	19°♈50'05	0°18'56
max. Earth dist.	-9479 Jun 21 j 10:17	19°♈48'51	11.16146 AU
morning rise	-9479 Jul 08 j 11:14	21°♈46'16	
retrograde	-9479 Oct 14 j 06:20	28°♈28'55	
opposition	-9479 Dec 22 j 11:22	25°♈13'52	0°39'33
min. Earth dist.	-9479 Dec 22 j 17:10	25°♈12'47	9.20600 AU
direct	-9478 Mar 04 j 09:10	21°♈52'53	
evening set	-9478 Jun 15 j 21:32	28°♈52'48	
	-9478 Jun 25 j 18:17	0°♉	
conjunction	-9478 Jul 02 j 19:10	0°♉48'26	0°46'22
minimum elong	-9478 Jul 02 j 19:08	0°♉48'26	0°46'36
max. Earth dist.	-9478 Jul 02 j 09:32	0°♉45'40	11.24351 AU
morning rise	-9478 Jul 19 j 12:15	2°♉42'51	
retrograde	-9478 Oct 25 j 08:39	9°♉22'26	
opposition	-9477 Jan 02 j 23:37	6°♉07'58	1°12'01
min. Earth dist.	-9477 Jan 03 j 10:13	6°♉06'01	9.27339 AU
direct	-9477 Mar 16 j 02:10	2°♉47'57	
evening set	-9477 Jun 27 j 00:47	9°♉43'31	
conjunction	-9477 Jul 13 j 18:28	11°♉37'40	1°11'57
minimum elong	-9477 Jul 13 j 18:25	11°♉37'39	1°12'16
max. Earth dist.	-9477 Jul 13 j 03:34	11°♉33'24	11.29459 AU
morning rise	-9477 Jul 30 j 08:23	13°♉30'48	
	-9477 Aug 12 j 22:41	15°♉	
retrograde	-9477 Nov 05 j 09:53	20°♉09'34	
opposition	-9476 Jan 14 j 10:45	16°♉55'18	1°41'35
min. Earth dist.	-9476 Jan 15 j 00:45	16°♉52'45	9.30887 AU
	-9476 Feb 11 j 15:43	15°℞♉	
direct	-9476 Mar 26 j 14:17	13°♉36'06	
	-9476 May 08 j 13:13	15°♉	
evening set	-9476 Jul 07 j 00:13	20°♉28'58	
conjunction	-9476 Jul 23 j 14:28	22°♉22'07	1°34'49
minimum elong	-9476 Jul 23 j 14:25	22°♉22'07	1°35'13
max. Earth dist.	-9476 Jul 22 j 20:28	22°♉16'58	11.31335 AU
morning rise	-9476 Aug 09 j 01:31	24°♉14'28	
	-9476 Oct 12 j 22:53	0°♊	
retrograde	-9476 Nov 15 j 14:33	0°♊54'36	
	-9476 Dec 20 j 00:13	30°℞♉	
opposition	-9475 Jan 24 j 22:18	27°♉40'08	2°07'30
min. Earth dist.	-9475 Jan 25 j 14:41	27°♉37'10	9.31190 AU
direct	-9475 Apr 07 j 01:12	24°♉21'30	
	-9475 Jul 06 j 19:27	0°♊	
evening set	-9475 Jul 17 j 21:50	1°♊13'20	
conjunction	-9475 Aug 03 j 09:11	3°♊06'00	1°54'19

Attention, astronomical year style is used: The year -9475 in astronomical counting style is the year 9476 BCE in historical counting style.

minimum elong	-9475 Aug 03 j 09:08	3°♊05'59	1°54'48
max. Earth dist.	-9475 Aug 02 j 12:41	3°♊00'07	11.29989 AU
morning rise	-9475 Aug 19 j 17:59	4°♊58'05	
retrograde	-9475 Nov 26 j 22:07	11°♊41'33	
opposition	-9474 Feb 05 j 11:35	8°♊26'31	2°29'03
min. Earth dist.	-9474 Feb 06 j 06:48	8°♊23'02	9.28301 AU
direct	-9474 Apr 18 j 08:37	5°♊08'12	
evening set	-9474 Jul 28 j 19:16	12°♊00'34	
max. Earth dist.	-9474 Aug 13 j 04:39	13°♊46'27	11.25510 AU
conjunction	-9474 Aug 14 j 04:14	13°♊53'16	2°09'52
minimum elong	-9474 Aug 14 j 04:12	13°♊53'16	2°10'25
morning rise	-9474 Aug 30 j 11:47	15°♊45'40	
retrograde	-9474 Dec 08 j 08:14	22°♊34'24	
opposition	-9473 Feb 17 j 03:59	19°♊18'26	2°45'33
min. Earth dist.	-9473 Feb 18 j 01:35	19°♊14'31	9.22326 AU
direct	-9473 Apr 29 j 17:21	16°♊00'08	
evening set	-9473 Aug 08 j 18:06	22°♊54'39	
max. Earth dist.	-9473 Aug 24 j 00:25	24°♊40'36	11.18046 AU
conjunction	-9473 Aug 25 j 01:37	24°♊47'57	2°20'54
minimum elong	-9473 Aug 25 j 01:36	24°♊47'56	2°21'29
morning rise	-9473 Sep 10 j 08:46	26°♊41'13	
	-9473 Oct 11 j 13:10	0°♋	
retrograde	-9473 Dec 20 j 02:09	3°♋37'05	
opposition	-9472 Feb 29 j 00:47	0°♋19'52	2°56'19
min. Earth dist.	-9472 Feb 29 j 23:09	0°♋15'47	9.13457 AU
	-9472 Mar 04 j 13:39	30°℞♊	
direct	-9472 May 10 j 05:25	27°♊01'21	
	-9472 Jul 11 j 14:38	0°♋	
evening set	-9472 Aug 18 j 20:10	3°♋59'30	
max. Earth dist.	-9472 Sep 03 j 02:41	5°♋46'42	11.07838 AU
conjunction	-9472 Sep 04 j 03:26	5°♋54'00	2°26'52
minimum elong	-9472 Sep 04 j 03:25	5°♋54'00	2°27'26
morning rise	-9472 Sep 20 j 11:04	7°♋48'45	
retrograde	-9472 Dec 31 j 03:48	14°♋53'33	
opposition	-9471 Mar 12 j 03:22	11°♋34'45	3°00'40
min. Earth dist.	-9471 Mar 13 j 01:00	11°♋30'46	9.01981 AU
direct	-9471 May 21 j 19:18	8°♋15'51	
evening set	-9471 Aug 30 j 03:13	15°♋19'06	
max. Earth dist.	-9471 Sep 14 j 10:52	17°♋08'07	10.95220 AU
conjunction	-9471 Sep 15 j 11:18	17°♋15'25	2°27'15
minimum elong	-9471 Sep 15 j 11:19	17°♋15'26	2°27'48
morning rise	-9471 Oct 01 j 20:42	19°♋12'17	
retrograde	-9470 Jan 12 j 15:46	26°♋27'36	
opposition	-9470 Mar 24 j 12:53	23°♋07'04	2°57'59
min. Earth dist.	-9470 Mar 25 j 09:43	23°♋03'11	8.88279 AU
direct	-9470 Jun 02 j 14:15	19°♋47'33	
evening set	-9470 Sep 10 j 17:22	26°♋57'22	
max. Earth dist.	-9470 Sep 26 j 03:20	28°♋48'50	10.80628 AU
conjunction	-9470 Sep 27 j 03:19	28°♋56'07	2°21'37
minimum elong	-9470 Sep 27 j 03:21	28°♋56'08	2°22'08
	-9470 Oct 05 j 22:04	0°♌	
morning rise	-9470 Oct 13 j 15:50	0°♌55'44	
retrograde	-9469 Jan 25 j 12:17	8°♌22'58	
opposition	-9469 Apr 06 j 06:21	5°♌00'33	2°47'42
min. Earth dist.	-9469 Apr 07 j 02:02	4°♌56'51	8.72845 AU
direct	-9469 Jun 14 j 14:50	1°♌40'15	
evening set	-9469 Sep 22 j 16:13	8°♌58'00	
max. Earth dist.	-9469 Oct 08 j 07:45	10°♌53'05	10.64614 AU
conjunction	-9469 Oct 09 j 05:24	10°♌59'46	2°09'39
minimum elong	-9469 Oct 09 j 05:27	10°♌59'47	2°10'08
morning rise	-9469 Oct 25 j 22:11	13°♌02'43	
	-9469 Nov 11 j 13:26	15°♌	
retrograde	-9468 Feb 07 j 20:04	20°♌43'04	
opposition	-9468 Apr 18 j 08:51	17°♌18'39	2°29'28
min. Earth dist.	-9468 Apr 19 j 01:58	17°♌15'22	8.56298 AU
	-9468 May 21 j 14:49	15°℞♌	
direct	-9468 Jun 26 j 00:59	13°♌57'27	
	-9468 Jul 30 j 13:31	15°♌	
evening set	-9468 Oct 04 j 01:37	21°♌24'16	
conjunction	-9468 Oct 20 j 19:19	23°♌29'36	1°51'17
minimum elong	-9468 Oct 20 j 19:23	23°♌29'37	1°51'41
max. Earth dist.	-9468 Oct 20 j 01:49	23°♌24'05	10.47829 AU
morning rise	-9468 Nov 06 j 17:20	25°♌36'22	
	-9468 Dec 15 j 20:47	0°♍	
retrograde	-9467 Feb 20 j 17:05	3°♍30'32	
opposition	-9467 May 01 j 20:44	0°♍04'07	2°03'14
min. Earth dist.	-9467 May 02 j 09:46	0°♍01'34	8.39357 AU
	-9467 May 02 j 17:51	30°℞♌	
direct	-9467 Jul 08 j 19:49	26°♌41'53	
	-9467 Sep 09 j 03:25	0°♍	
evening set	-9467 Oct 16 j 23:40	4°♍18'46	
conjunction	-9467 Nov 02 j 22:46	6°♍28'01	1°26'42
minimum elong	-9467 Nov 02 j 22:49	6°♍28'02	1°27'01
max. Earth dist.	-9467 Nov 02 j 10:04	6°♍23'58	10.31044 AU
morning rise	-9467 Nov 20 j 02:45	8°♍38'57	
retrograde	-9466 Mar 07 j 02:14	16°♍46'57	
opposition	-9466 May 15 j 17:59	13°♍18'39	1°29'28
min. Earth dist.	-9466 May 16 j 02:10	13°♍17'02	8.22857 AU
direct	-9466 Jul 21 j 23:11	9°♍55'19	
evening set	-9466 Oct 30 j 11:36	17°♍42'56	
conjunction	-9466 Nov 16 j 16:32	19°♍56'15	0°56'39
minimum elong	-9466 Nov 16 j 16:35	19°♍56'16	0°56'50
max. Earth dist.	-9466 Nov 16 j 09:03	19°♍53'49	10.15138 AU
morning rise	-9466 Dec 04 j 02:56	22°♍11'25	
	-9465 Feb 24 j 22:26	0°♎	
retrograde	-9465 Mar 21 j 21:36	0°♎32'32	
	-9465 Apr 15 j 22:58	30°℞♍	
opposition	-9465 May 30 j 00:33	27°♍02'33	0°49'18
min. Earth dist.	-9465 May 30 j 03:31	27°♍01'57	8.07726 AU
direct	-9465 Aug 04 j 13:58	23°♍38'04	
	-9465 Oct 31 j 20:35	0°♎	
evening set	-9465 Nov 13 j 14:05	1°♎36'33	
conjunction	-9465 Dec 01 j 00:57	3°♎53'48	0°22'23
minimum elong	-9465 Dec 01 j 00:58	3°♎53'48	0°22'25
max. Earth dist.	-9465 Nov 30 j 23:16	3°♎53'15	10.01052 AU
morning rise	-9465 Dec 18 j 17:39	6°♎12'58	
retrograde	-9464 Apr 05 j 01:53	14°♎45'29	
opposition	-9464 Jun 12 j 15:13	11°♎14'09	0°04'42
min. Earth dist.	-9464 Jun 12 j 13:11	11°♎14'33	7.94916 AU
desc. node	-9464 Jul 21 j 01:46	8°♎31'02	
direct	-9464 Aug 17 j 15:41	7°♎48'28	
evening set	-9464 Nov 27 j 07:19	15°♎57'23	
conjunction	-9464 Dec 14 j 23:46	18°♎18'04	-0°14'15
minimum elong	-9464 Dec 14 j 23:45	18°♎18'04	0°14'21
behind sun begin	-9464 Dec 14 j 20:30	18°♎16'59	
behind sun end	-9464 Dec 15 j 03:01	18°♎19'08	
max. Earth dist.	-9464 Dec 15 j 04:40	18°♎19'41	9.89712 AU
morning rise	-9463 Jan 01 j 21:58	20°♎40'36	
retrograde	-9463 Apr 20 j 12:14	29°♎21'42	
opposition	-9463 Jun 27 j 11:54	25°♎49'26	-0°41'30
min. Earth dist.	-9463 Jun 27 j 05:00	25°♎50'52	7.85314 AU
direct	-9463 Sep 01 j 03:08	22°♎22'36	
	-9463 Dec 07 j 09:12	0°♏	

Attention, astronomical year style is used: The year -9463 in astronomical counting style is the year 9464 BCE in historical counting style.

evening set	-9463 Dec 12 j 13:44	0°♏40'40		
conjunction	-9463 Dec 30 j 10:54	3°♏03'58	-0°50'39	
minimum elong	-9463 Dec 30 j 10:51	3°♏03'57	0°50'54	
max. Earth dist.	-9463 Dec 30 j 22:36	3°♏07'53	9.81935 AU	
morning rise	-9462 Jan 17 j 13:11	5°♏28'53		
retrograde	-9462 May 06 j 01:31	14°♏14'48		
opposition	-9462 Jul 12 j 12:25	10°♏42'06	-1°25'51	
min. Earth dist.	-9462 Jul 12 j 00:46	10°♏44'32	7.79631 AU	
direct	-9462 Sep 15 j 23:14	7°♏14'14		
	-9462 Dec 23 j 06:36	15°♏		
evening set	-9462 Dec 28 j 06:18	15°♏39'13		
conjunction	-9461 Jan 15 j 06:54	18°♏04'00	-1°24'09	
minimum elong	-9461 Jan 15 j 06:50	18°♏03'59	1°24'32	
max. Earth dist.	-9461 Jan 16 j 01:06	18°♏10'09	9.78325 AU	
morning rise	-9461 Feb 02 j 11:33	20°♏30'04		
retrograde	-9461 May 21 j 13:39	29°♏16'21		
opposition	-9461 Jul 27 j 13:43	25°♏43'44	-2°04'44	
min. Earth dist.	-9461 Jul 26 j 21:49	25°♏47'05	7.78309 AU	
direct	-9461 Oct 01 j 01:42	22°♏14'59		
	-9460 Jan 07 j 14:42	0°♐		
evening set	-9460 Jan 13 j 05:09	0°♐43'55		
conjunction	-9460 Jan 31 j 07:48	3°♐08'59	-1°52'03	
minimum elong	-9460 Jan 31 j 07:43	3°♐08'57	1°52'31	
max. Earth dist.	-9460 Feb 01 j 07:23	3°♐16'54	9.79174 AU	
morning rise	-9460 Feb 18 j 13:06	5°♐34'51		
retrograde	-9460 Jun 04 j 20:33	14°♐16'46		
opposition	-9460 Aug 10 j 12:34	10°♐44'45	-2°34'58	
min. Earth dist.	-9460 Aug 09 j 17:21	10°♐48'48	7.81427 AU	
direct	-9460 Oct 15 j 06:45	7°♐15'20		
evening set	-9459 Jan 28 j 05:07	15°♐44'41		
conjunction	-9459 Feb 15 j 08:28	18°♐08'51	-2°12'13	
minimum elong	-9459 Feb 15 j 08:25	18°♐08'50	2°12'45	
max. Earth dist.	-9459 Feb 16 j 11:36	18°♐17'54	9.84378 AU	
morning rise	-9459 Mar 05 j 12:55	20°♐33'19		
retrograde	-9459 Jun 19 j 19:12	29°♐06'32		
min. Earth dist.	-9459 Aug 24 j 09:21	25°♐40'01	7.88665 AU	
opposition	-9459 Aug 25 j 06:20	25°♐35'37	-2°54'21	
direct	-9459 Oct 30 j 11:13	22°♐05'49		
	-9458 Feb 08 j 21:18	0°♑		
evening set	-9458 Feb 13 j 00:49	0°♑31'58		
conjunction	-9458 Mar 03 j 03:42	2°♑54'15	-2°23'23	
minimum elong	-9458 Mar 03 j 03:41	2°♑54'15	2°23'57	
max. Earth dist.	-9458 Mar 04 j 08:04	3°♑03'36	9.93440 AU	
morning rise	-9458 Mar 21 j 06:09	5°♑16'20		
retrograde	-9458 Jul 04 j 07:02	13°♑37'34		
opposition	-9458 Sep 08 j 16:38	10°♑08'09	-3°01'59	
min. Earth dist.	-9458 Sep 07 j 19:44	10°♑12'30	7.99358 AU	
direct	-9458 Nov 14 j 11:14	6°♑38'18		
evening set	-9457 Feb 28 j 12:07	14°♑58'11		
conjunction	-9457 Mar 18 j 13:44	17°♑17'57	-2°25'16	
minimum elong	-9457 Mar 18 j 13:45	17°♑17'57	2°25'50	
max. Earth dist.	-9457 Mar 19 j 17:01	17°♑26'47	10.05584 AU	
morning rise	-9457 Apr 05 j 13:32	19°♑37'02		
retrograde	-9457 Jul 18 j 07:36	27°♑44'13		
opposition	-9457 Sep 22 j 17:58	24°♑16'39	-2°58'12	
min. Earth dist.	-9457 Sep 21 j 22:42	24°♑20'38	8.12693 AU	
direct	-9457 Nov 29 j 04:29	20°♑47'06		
evening set	-9456 Mar 14 j 11:59	28°♑58'23		
	-9456 Mar 22 j 15:32	0°♒		
conjunction	-9456 Apr 01 j 11:42	1°♒15'12	-2°18'27	
minimum elong	-9456 Apr 01 j 11:45	1°♒15'12	2°18'59	
max. Earth dist.	-9456 Apr 02 j 12:09	1°♒22'59	10.19998 AU	
morning rise	-9456 Apr 19 j 08:29	3°♒30'58		
retrograde	-9456 Jul 30 j 19:38	11°♒23'09		
opposition	-9456 Oct 05 j 09:48	7°♒57'36	-2°44'17	
min. Earth dist.	-9456 Oct 04 j 17:05	8°♒01'00	8.27885 AU	
direct	-9456 Dec 12 j 14:39	4°♒28'41		
evening set	-9455 Mar 28 j 22:29	12°♒29'42		
conjunction	-9455 Apr 15 j 19:45	14°♒43'17	-2°04'08	
minimum elong	-9455 Apr 15 j 19:48	14°♒43'18	2°04'35	
max. Earth dist.	-9455 Apr 16 j 16:01	14°♒49'38	10.35880 AU	
	-9455 Apr 18 j 01:08	15°♒		
morning rise	-9455 May 03 j 13:12	16°♒55'35		
retrograde	-9455 Aug 12 j 18:05	24°♒32'49		
opposition	-9455 Oct 18 j 15:49	21°♒09'18	-2°22'06	
min. Earth dist.	-9455 Oct 18 j 01:46	21°♒12'07	8.44130 AU	
direct	-9455 Dec 26 j 15:58	17°♒41'17		
evening set	-9454 Apr 11 j 18:51	25°♒31'08		
conjunction	-9454 Apr 29 j 13:17	27°♒41'26	-1°43'50	
minimum elong	-9454 Apr 29 j 13:20	27°♒41'27	1°44'13	
max. Earth dist.	-9454 Apr 30 j 04:56	27°♒46'15	10.52401 AU	
morning rise	-9454 May 17 j 03:13	29°♒50'17		
	-9454 May 18 j 11:36	0°♓		
retrograde	-9454 Aug 25 j 05:08	7°♓13'29		
opposition	-9454 Oct 31 j 12:15	3°♓51'54	-1°53'43	
min. Earth dist.	-9454 Oct 31 j 00:59	3°♓54'07	8.60604 AU	
direct	-9453 Jan 09 j 06:56	0°♓24'58		
evening set	-9453 Apr 25 j 01:13	8°♓03'34		
conjunction	-9453 May 12 j 16:32	10°♓10'39	-1°19'11	
minimum elong	-9453 May 12 j 16:35	10°♓10'40	1°19'27	
max. Earth dist.	-9453 May 13 j 03:52	10°♓14'05	10.68735 AU	
morning rise	-9453 May 30 j 02:45	12°♓16'11		
retrograde	-9453 Sep 06 j 08:22	19°♓26'52		
opposition	-9453 Nov 13 j 00:02	16°♓07'03	-1°21'10	
min. Earth dist.	-9453 Nov 12 j 16:09	16°♓08'34	8.76514 AU	
direct	-9452 Jan 22 j 09:55	12°♓41'20		
evening set	-9452 May 06 j 18:48	20°♓09'14		
conjunction	-9452 May 24 j 06:34	22°♓13'17	-0°51'45	
minimum elong	-9452 May 24 j 06:36	22°♓13'18	0°51'54	
max. Earth dist.	-9452 May 24 j 13:31	22°♓15'21	10.84122 AU	
morning rise	-9452 Jun 10 j 12:48	24°♓15'44		
	-9452 Aug 09 j 13:37	0°♈		
retrograde	-9452 Sep 17 j 01:46	1°♈15'48		
	-9452 Oct 26 j 08:45	30°℞♓		
opposition	-9452 Nov 24 j 04:18	27°♓57'32	-0°46'16	
min. Earth dist.	-9452 Nov 24 j 00:53	27°♓58'12	8.91176 AU	
direct	-9451 Feb 03 j 03:53	24°♓33'03		
	-9451 May 02 j 09:36	0°♈		
evening set	-9451 May 19 j 00:53	1°♈51'18		
conjunction	-9451 Jun 05 j 08:41	3°♈52'33	-0°22'55	
minimum elong	-9451 Jun 05 j 08:42	3°♈52'33	0°22'57	
max. Earth dist.	-9451 Jun 05 j 10:20	3°♈53'02	10.97938 AU	
morning rise	-9451 Jun 22 j 11:02	5°♈52'15		
retrograde	-9451 Sep 28 j 12:54	12°♈43'50		
opposition	-9451 Dec 06 j 02:20	9°♈26'52	-0°10'36	
min. Earth dist.	-9451 Dec 06 j 03:26	9°♈26'40	9.04030 AU	
direct	-9450 Feb 15 j 13:24	6°♈03'36		
asc. node	-9450 Mar 28 j 00:38	7°♈19'33		
evening set	-9450 May 30 j 20:54	13°♈13'30		
conjunction	-9450 Jun 17 j 00:32	15°♈12'17	0°06'13	
minimum elong	-9450 Jun 17 j 00:32	15°♈12'17	0°06'19	

Attention, astronomical year style is used: The year -9450 in astronomical counting style is the year 9451 BCE in historical counting style.

behind sun begin	-9450 Jun 16 j 17:52	15°♈10'22	
behind sun end	-9450 Jun 17 j 07:12	15°♈14'11	
max. Earth dist.	-9450 Jun 16 j 20:33	15°♈11'09	11.09680 AU
morning rise	-9450 Jul 03 j 23:11	17°♈09'37	
retrograde	-9450 Oct 09 j 17:49	23°♈54'55	
opposition	-9450 Dec 17 j 19:20	20°♈38'56	0°24'33
min. Earth dist.	-9450 Dec 18 j 00:07	20°♈38'03	9.14609 AU
direct	-9449 Feb 27 j 15:10	17°♈16'49	
evening set	-9449 Jun 11 j 08:52	24°♈19'56	
conjunction	-9449 Jun 28 j 08:26	26°♈16'35	0°34'26
minimum elong	-9449 Jun 28 j 08:25	26°♈16'35	0°34'38
max. Earth dist.	-9449 Jun 28 j 00:08	26°♈14'12	11.18945 AU
morning rise	-9449 Jul 15 j 03:20	28°♈11'57	
	-9449 Jul 31 j 14:21	0°♉	
retrograde	-9449 Oct 20 j 21:53	4°♉53'14	
opposition	-9449 Dec 29 j 08:50	1°♉37'55	0°58'04
min. Earth dist.	-9449 Dec 29 j 16:40	1°♉36'29	9.22559 AU
	-9448 Jan 21 j 12:36	30°℞♈	
direct	-9448 Mar 10 j 11:25	28°♈16'52	
	-9448 Apr 27 j 04:57	0°♉	
evening set	-9448 Jun 21 j 14:32	5°♉14'48	
conjunction	-9448 Jul 08 j 10:12	7°♉09'46	1°01'01
minimum elong	-9448 Jul 08 j 10:09	7°♉09'46	1°01'18
max. Earth dist.	-9448 Jul 07 j 22:40	7°♉06'28	11.25441 AU
morning rise	-9448 Jul 25 j 01:29	9°♉03'36	
	-9448 Oct 01 j 09:47	15°♉	
retrograde	-9448 Oct 31 j 00:40	15°♉43'01	
	-9448 Nov 30 j 03:21	15°℞♉	
opposition	-9447 Jan 08 j 20:41	12°♉28'06	1°29'04
min. Earth dist.	-9447 Jan 09 j 08:14	12°♉25'59	9.27649 AU
direct	-9447 Mar 22 j 00:12	9°♉07'59	
	-9447 Jun 23 j 05:17	15°♉	
evening set	-9447 Jul 02 j 15:37	16°♉02'22	
conjunction	-9447 Jul 19 j 07:29	17°♉56'05	1°25'11
minimum elong	-9447 Jul 19 j 07:26	17°♉56'04	1°25'33
max. Earth dist.	-9447 Jul 18 j 15:52	17°♉51'37	11.28989 AU
morning rise	-9447 Aug 04 j 19:47	19°♉48'54	
retrograde	-9447 Nov 11 j 02:58	26°♉28'36	
opposition	-9446 Jan 20 j 08:08	23°♉13'45	1°56'42
min. Earth dist.	-9446 Jan 20 j 23:19	23°♉10'59	9.29733 AU
direct	-9446 Apr 02 j 11:15	19°♉54'23	
evening set	-9446 Jul 13 j 14:05	26°♉46'55	
max. Earth dist.	-9446 Jul 29 j 07:17	28°♉34'20	11.29490 AU
conjunction	-9446 Jul 30 j 02:36	28°♉39'52	1°46'15
minimum elong	-9446 Jul 30 j 02:33	28°♉39'51	1°46'42
	-9446 Aug 10 j 18:45	0°♊	
morning rise	-9446 Aug 15 j 12:33	0°♊32'09	
retrograde	-9446 Nov 22 j 07:53	7°♊14'11	
opposition	-9445 Jan 31 j 20:22	3°♊59'04	2°20'16
min. Earth dist.	-9445 Feb 01 j 13:54	3°♊55'53	9.28739 AU
direct	-9445 Apr 13 j 20:27	0°♊40'17	
evening set	-9445 Jul 24 j 11:28	7°♊32'35	
conjunction	-9445 Aug 09 j 21:27	9°♊25'18	2°03'37
minimum elong	-9445 Aug 09 j 21:25	9°♊25'17	2°04'08
max. Earth dist.	-9445 Aug 09 j 00:34	9°♊19'16	11.26920 AU
morning rise	-9445 Aug 26 j 05:32	11°♊17'35	
retrograde	-9445 Dec 03 j 18:00	18°♊03'58	
opposition	-9444 Feb 12 j 11:19	14°♊48'15	2°39'02
min. Earth dist.	-9444 Feb 13 j 06:04	14°♊44'51	9.24679 AU
direct	-9444 Apr 24 j 05:16	11°♊29'51	
evening set	-9444 Aug 03 j 09:31	18°♊23'28	

conjunction	-9444 Aug 19 j 17:43	20°♊16'29	2°16'41
minimum elong	-9444 Aug 19 j 17:41	20°♊16'29	2°17'15
max. Earth dist.	-9444 Aug 18 j 19:32	20°♊10'03	11.21343 AU
morning rise	-9444 Sep 05 j 00:47	22°♊09'20	
retrograde	-9444 Dec 14 j 09:55	29°♊01'57	
opposition	-9443 Feb 23 j 06:18	25°♊45'22	2°52'21
min. Earth dist.	-9443 Feb 24 j 02:22	25°♊41'42	9.17672 AU
direct	-9443 May 05 j 14:25	22°♊27'06	
evening set	-9443 Aug 14 j 10:15	29°♊23'34	
	-9443 Aug 19 j 16:28	0°♋	
conjunction	-9443 Aug 30 j 17:27	1°♋17'28	2°24'54
minimum elong	-9443 Aug 30 j 17:26	1°♋17'27	2°25'28
max. Earth dist.	-9443 Aug 29 j 17:30	1°♋10'26	11.12935 AU
morning rise	-9443 Sep 16 j 00:44	3°♋11'29	
retrograde	-9443 Dec 26 j 06:53	10°♋12'06	
opposition	-9442 Mar 07 j 06:19	6°♋54'19	2°59'31
min. Earth dist.	-9442 Mar 08 j 03:40	6°♋50'24	9.07935 AU
direct	-9442 May 17 j 02:21	3°♋35'56	
evening set	-9442 Aug 25 j 15:09	10°♋36'46	
conjunction	-9442 Sep 10 j 22:34	12°♋32'09	2°27'44
minimum elong	-9442 Sep 10 j 22:34	12°♋32'09	2°28'18
max. Earth dist.	-9442 Sep 09 j 22:25	12°♋24'58	11.01956 AU
morning rise	-9442 Sep 27 j 07:09	14°♋27'57	
retrograde	-9441 Jan 07 j 14:06	21°♋38'14	
opposition	-9441 Mar 19 j 12:44	18°♋18'58	2°59'54
min. Earth dist.	-9441 Mar 20 j 09:40	18°♋15'06	8.95764 AU
direct	-9441 May 28 j 20:39	15°♋00'15	
evening set	-9441 Sep 06 j 01:54	22°♋06'48	
conjunction	-9441 Sep 22 j 10:51	24°♋04'17	2°24'43
minimum elong	-9441 Sep 22 j 10:52	24°♋04'18	2°25'16
max. Earth dist.	-9441 Sep 21 j 12:14	23°♋57'28	10.88746 AU
morning rise	-9441 Oct 08 j 21:44	26°♋02'29	
	-9441 Nov 14 j 12:45	0°♌	
retrograde	-9440 Jan 20 j 06:45	3°♌23'55	
opposition	-9440 Mar 31 j 02:38	0°♌02'57	2°52'55
	-9440 Mar 31 j 18:23	30°℞♋	
min. Earth dist.	-9440 Mar 31 j 21:45	29°♋59'22	8.81559 AU
direct	-9440 Jun 08 j 18:39	26°♋43'40	
	-9440 Aug 11 j 17:09	0°♌	
evening set	-9440 Sep 16 j 20:40	3°♌57'16	
max. Earth dist.	-9440 Oct 02 j 11:30	5°♌51'05	10.73755 AU
conjunction	-9440 Oct 03 j 08:19	5°♌57'27	2°15'31
minimum elong	-9440 Oct 03 j 08:21	5°♌57'28	2°16'01
morning rise	-9440 Oct 19 j 22:48	7°♌58'38	
	-9439 Jan 06 j 18:49	15°♌	
retrograde	-9439 Feb 01 j 10:18	15°♌32'27	
	-9439 Feb 27 j 08:33	15°℞♌	
opposition	-9439 Apr 13 j 00:49	12°♌09'34	2°38'09
min. Earth dist.	-9439 Apr 13 j 17:40	12°♌06'23	8.65815 AU
direct	-9439 Jun 21 j 00:20	8°♌49'29	
	-9439 Sep 19 j 02:34	15°♌	
evening set	-9439 Sep 29 j 01:06	16°♌11'25	
conjunction	-9439 Oct 15 j 16:32	18°♌14'52	1°59'56
minimum elong	-9439 Oct 15 j 16:35	18°♌14'53	2°00'22
max. Earth dist.	-9439 Oct 14 j 21:15	18°♌08'52	10.57512 AU
morning rise	-9439 Nov 01 j 11:56	20°♌19'38	
retrograde	-9438 Feb 15 j 01:51	28°♌06'44	
opposition	-9438 Apr 26 j 08:06	24°♌41'54	2°15'24
min. Earth dist.	-9438 Apr 26 j 22:44	24°♌39'04	8.49109 AU
direct	-9438 Jul 03 j 13:49	21°♌20'49	
evening set	-9438 Oct 11 j 17:00	28°♌52'16	
	-9438 Oct 20 j 17:24	0°♍	

Attention, astronomical year style is used: The year -9438 in astronomical counting style is the year 9439 BCE in historical counting style.

conjunction	-9438 Oct 28 j 13:17	0°♑59'27	1°38'02
minimum elong	-9438 Oct 28 j 13:21	0°♑59'28	1°38'23
max. Earth dist.	-9438 Oct 27 j 21:01	0°♑54'18	10.40660 AU
morning rise	-9438 Nov 14 j 14:28	3°♑08'14	
retrograde	-9437 Mar 01 j 04:24	11°♑09'08	
opposition	-9437 May 10 j 00:50	7°♑42'21	1°44'54
min. Earth dist.	-9437 May 10 j 12:16	7°♑40'07	8.32214 AU
direct	-9437 Jul 16 j 12:47	4°♑20'07	
evening set	-9437 Oct 24 j 22:02	12°♑02'03	

conjunction	-9437 Nov 11 j 00:04	14°♑13'15	1°10'19
minimum elong	-9437 Nov 11 j 00:07	14°♑13'16	1°10'33
max. Earth dist.	-9437 Nov 10 j 12:46	14°♑09'37	10.24076 AU
morning rise	-9437 Nov 28 j 07:33	16°♑26'16	
retrograde	-9436 Mar 14 j 17:05	24°♑40'45	
opposition	-9436 May 23 j 02:55	21°♑12'04	1°07'27
min. Earth dist.	-9436 May 23 j 09:51	21°♑10'41	8.16107 AU
direct	-9436 Jul 28 j 24:00	17°♑48'34	
evening set	-9436 Nov 06 j 17:22	25°♑41'22	

conjunction	-9436 Nov 24 j 01:33	27°♑56'38	0°37'46
minimum elong	-9436 Nov 24 j 01:35	27°♑56'39	0°37'52
max. Earth dist.	-9436 Nov 23 j 20:39	27°♑55'02	10.08755 AU
	-9436 Dec 09 j 20:23	0°♒	
morning rise	-9436 Dec 11 j 15:22	0°♒13'48	
retrograde	-9435 Mar 29 j 16:33	8°♒40'36	
opposition	-9435 Jun 06 j 13:29	5°♒10'13	0°24'38
min. Earth dist.	-9435 Jun 06 j 14:55	5°♒09'55	8.01794 AU
direct	-9435 Aug 11 j 20:54	1°♒45'23	
evening set	-9435 Nov 21 j 03:30	9°♒48'53	

conjunction	-9435 Dec 08 j 17:33	12°♒07'53	0°02'05
minimum elong	-9435 Dec 08 j 17:33	12°♒07'53	0°02'01
behind sun begin	-9435 Dec 08 j 10:17	12°♒05'30	
behind sun end	-9435 Dec 09 j 00:49	12°♒10'16	
max. Earth dist.	-9435 Dec 08 j 19:21	12°♒08'25	9.95678 AU
morning rise	-9435 Dec 26 j 13:07	14°♒28'45	
desc. node	-9435 Dec 29 j 21:23	14°♒54'41	
retrograde	-9434 Apr 13 j 23:54	23°♒05'35	
opposition	-9434 Jun 21 j 06:57	19°♒33'50	-0°21'06
min. Earth dist.	-9434 Jun 21 j 02:38	19°♒34'43	7.90227 AU
direct	-9434 Aug 26 j 02:59	16°♒07'38	
evening set	-9434 Dec 06 j 03:28	24°♒20'59	

conjunction	-9434 Dec 23 j 22:37	26°♒43'02	-0°34'43
minimum elong	-9434 Dec 23 j 22:35	26°♒43'01	0°34'55
max. Earth dist.	-9434 Dec 24 j 07:07	26°♒45'52	9.85754 AU
morning rise	-9433 Jan 10 j 22:56	29°♒06'49	
	-9433 Jan 17 j 18:51	0°♏	
retrograde	-9433 Apr 29 j 12:17	7°♏50'23	
opposition	-9433 Jul 06 j 05:24	4°♏17'43	-1°06'36
min. Earth dist.	-9433 Jul 05 j 19:55	4°♏19'41	7.82228 AU
direct	-9433 Sep 09 j 17:53	0°♏50'12	
evening set	-9433 Dec 21 j 15:04	9°♏11'40	

conjunction	-9432 Jan 08 j 14:14	11°♏35'48	-1°09'46
minimum elong	-9432 Jan 08 j 14:10	11°♏35'47	1°10'06
max. Earth dist.	-9432 Jan 09 j 05:02	11°♏40'47	9.79707 AU
morning rise	-9432 Jan 26 j 17:49	14°♏01'22	
	-9432 Feb 03 j 05:47	15°♏	
retrograde	-9432 May 14 j 01:30	22°♏47'33	
opposition	-9432 Jul 20 j 06:04	19°♏14'31	-1°48'16
min. Earth dist.	-9432 Jul 19 j 16:22	19°♏17'24	7.78375 AU
direct	-9432 Sep 23 j 17:11	15°♏45'49	
evening set	-9431 Jan 05 j 11:03	24°♏12'54	

conjunction	-9431 Jan 23 j 12:50	26°♏37'56	-1°40'25
minimum elong	-9431 Jan 23 j 12:46	26°♏37'55	1°40'51
max. Earth dist.	-9431 Jan 24 j 08:50	26°♏44'40	9.77976 AU
morning rise	-9431 Feb 10 j 17:58	29°♏04'00	
	-9431 Feb 17 j 21:44	0°♐	
retrograde	-9431 May 29 j 10:43	7°♐48'11	
opposition	-9431 Aug 04 j 05:51	4°♐15'23	-2°22'41
min. Earth dist.	-9431 Aug 03 j 13:08	4°♐18'55	7.78933 AU
direct	-9431 Oct 08 j 20:58	0°♐45'44	
evening set	-9430 Jan 21 j 10:32	9°♐15'12	

conjunction	-9430 Feb 08 j 13:34	11°♐39'56	-2°04'14
minimum elong	-9430 Feb 08 j 13:30	11°♐39'55	2°04'45
max. Earth dist.	-9430 Feb 09 j 13:21	11°♐47'54	9.80684 AU
morning rise	-9430 Feb 26 j 18:38	14°♐05'13	
retrograde	-9430 Jun 13 j 12:54	22°♐42'57	
min. Earth dist.	-9430 Aug 18 j 07:20	19°♐14'52	7.83836 AU
opposition	-9430 Aug 19 j 02:03	19°♐10'55	-2°47'08
direct	-9430 Oct 24 j 01:55	15°♐40'39	
evening set	-9429 Feb 06 j 08:16	24°♐08'52	

conjunction	-9429 Feb 24 j 11:24	26°♐32'14	-2°19'32
minimum elong	-9429 Feb 24 j 11:21	26°♐32'13	2°20'06
max. Earth dist.	-9429 Feb 25 j 13:26	26°♐40'52	9.87606 AU
morning rise	-9429 Mar 14 j 15:06	28°♐55'39	
	-9429 Mar 22 j 23:49	0°♑	
retrograde	-9429 Jun 28 j 05:20	7°♑23'04	
opposition	-9429 Sep 02 j 15:56	3°♑52'19	-3°00'07
min. Earth dist.	-9429 Sep 01 j 20:04	3°♑56'29	7.92680 AU
direct	-9429 Nov 08 j 04:34	0°♑21'47	
evening set	-9428 Feb 21 j 23:52	8°♑45'18	

conjunction	-9428 Mar 11 j 02:10	11°♑06'28	-2°25'35
minimum elong	-9428 Mar 11 j 02:10	11°♑06'28	2°26'09
max. Earth dist.	-9428 Mar 12 j 04:46	11°♑15'10	9.98200 AU
morning rise	-9428 Mar 29 j 03:33	13°♑27'11	
retrograde	-9428 Jul 11 j 10:36	21°♑41'25	
opposition	-9428 Sep 15 j 21:29	18°♑12'21	-3°01'23
min. Earth dist.	-9428 Sep 15 j 01:28	18°♑16'30	8.04802 AU
direct	-9428 Nov 22 j 01:42	14°♑41'58	
evening set	-9427 Mar 08 j 05:19	22°♑57'52	

conjunction	-9427 Mar 26 j 06:04	25°♑16'13	-2°22'35
minimum elong	-9427 Mar 26 j 06:06	25°♑16'14	2°23'08
max. Earth dist.	-9427 Mar 27 j 07:43	25°♑24'29	10.11705 AU
morning rise	-9427 Apr 13 j 04:29	27°♑33'43	
	-9427 May 03 j 05:59	0°♒	
retrograde	-9427 Jul 25 j 04:20	5°♒33'11	
opposition	-9427 Sep 29 j 17:45	2°♒06'04	-2°51'50
min. Earth dist.	-9427 Sep 28 j 22:37	2°♒09'59	8.19376 AU
	-9427 Oct 27 j 07:08	30°℞♑	
direct	-9427 Dec 06 j 15:36	28°♑36'16	
	-9426 Jan 15 j 19:37	0°♒	
evening set	-9426 Mar 22 j 21:48	6°♒42'22	

conjunction	-9426 Apr 09 j 20:27	8°♒57'34	-2°11'28
minimum elong	-9426 Apr 09 j 20:30	8°♒57'36	2°11'58
max. Earth dist.	-9426 Apr 10 j 19:58	9°♒05'01	10.27235 AU
morning rise	-9426 Apr 27 j 15:31	11°♒11'36	
	-9426 May 30 j 17:32	15°♒	
retrograde	-9426 Aug 07 j 09:05	18°♒55'54	
min. Earth dist.	-9426 Oct 12 j 11:15	15°♒34'18	8.35508 AU
opposition	-9426 Oct 13 j 04:08	15°♒30'53	-2°33'06
	-9426 Oct 19 j 13:34	15°℞♒	
direct	-9426 Dec 20 j 20:09	12°♒01'59	
	-9425 Feb 19 j 12:25	15°♒	
evening set	-9425 Apr 06 j 00:32	19°♒57'08	

Attention, astronomical year style is used: The year -9425 in astronomical counting style is the year 9426 BCE in historical counting style.

conjunction	-9425 Apr 23 j 20:34	22°♒09'02	-1°53'40
minimum elong	-9425 Apr 23 j 20:38	22°♒09'03	1°54'04
max. Earth dist.	-9425 Apr 24 j 16:34	22°♒15'14	10.43873 AU
morning rise	-9425 May 11 j 12:07	24°♒19'32	
	-9425 Jul 05 j 10:07	0°♓	
retrograde	-9425 Aug 20 j 02:26	1°♓49'12	
	-9425 Oct 05 j 18:48	30°℞♒	
opposition	-9425 Oct 26 j 04:43	28°♒26'21	-2°07'13
min. Earth dist.	-9425 Oct 25 j 15:27	28°♒29'00	8.52304 AU
direct	-9424 Jan 03 j 14:12	24°♒58'37	
	-9424 Mar 25 j 19:55	0°♓	
evening set	-9424 Apr 18 j 13:22	2°♓42'28	
conjunction	-9424 May 06 j 06:15	4°♓51'05	-1°30'45
minimum elong	-9424 May 06 j 06:18	4°♓51'06	1°31'04
max. Earth dist.	-9424 May 06 j 21:05	4°♓55'36	10.60730 AU
morning rise	-9424 May 23 j 18:10	6°♓58'10	
retrograde	-9424 Aug 31 j 09:24	14°♓14'29	
opposition	-9424 Nov 06 j 20:24	10°♓53'44	-1°36'15
min. Earth dist.	-9424 Nov 06 j 10:59	10°♓55'35	8.68923 AU
direct	-9423 Jan 15 j 21:56	7°♓27'21	
evening set	-9423 May 01 j 12:43	15°♓00'12	
conjunction	-9423 May 19 j 02:03	17°♓05'40	-1°04'21
minimum elong	-9423 May 19 j 02:06	17°♓05'40	1°04'34
max. Earth dist.	-9423 May 19 j 11:19	17°♓08'26	10.77003 AU
morning rise	-9423 Jun 05 j 10:15	19°♓09'32	
retrograde	-9423 Sep 12 j 05:19	26°♓14'22	
opposition	-9423 Nov 19 j 04:04	22°♓55'29	-1°02'08
min. Earth dist.	-9423 Nov 18 j 22:05	22°♓56'38	8.84615 AU
direct	-9422 Jan 28 j 21:56	19°♓30'32	
evening set	-9422 May 14 j 00:00	26°♓53'14	
conjunction	-9422 May 31 j 09:37	28°♓55'45	-0°35'56
minimum elong	-9422 May 31 j 09:38	28°♓55'45	0°36'01
max. Earth dist.	-9422 May 31 j 13:54	28°♓57'01	10.91993 AU
	-9422 Jun 09 j 11:24	0°♈	
morning rise	-9422 Jun 17 j 13:56	0°♈56'42	
retrograde	-9422 Sep 23 j 20:38	7°♈52'04	
opposition	-9422 Dec 01 j 04:45	4°♈34'46	-0°26'34
min. Earth dist.	-9422 Dec 01 j 02:18	4°♈35'14	8.98729 AU
direct	-9421 Feb 10 j 11:19	1°♈11'16	
evening set	-9421 May 26 j 00:46	8°♈25'00	
conjunction	-9421 Jun 12 j 06:29	10°♈24'53	-0°06'50
minimum elong	-9421 Jun 12 j 06:28	10°♈24'53	0°06'47
behind sun begin	-9421 Jun 11 j 23:53	10°♈22'58	
behind sun end	-9421 Jun 12 j 13:04	10°♈26'47	
max. Earth dist.	-9421 Jun 12 j 06:32	10°♈24'54	11.05095 AU
morning rise	-9421 Jun 29 j 06:46	12°♈23'15	
asc. node	-9421 Sep 08 j 12:25	18°♈35'05	
retrograde	-9421 Oct 05 j 05:40	19°♈11'17	
opposition	-9421 Dec 13 j 00:12	15°♈55'17	0°09'01
min. Earth dist.	-9421 Dec 13 j 02:13	15°♈54'54	9.10723 AU
direct	-9420 Feb 22 j 14:40	12°♈33'07	
evening set	-9420 Jun 05 j 16:43	19°♈39'18	
conjunction	-9420 Jun 22 j 18:12	21°♈36'52	0°22'01
minimum elong	-9420 Jun 22 j 18:12	21°♈36'51	0°22'11
max. Earth dist.	-9420 Jun 22 j 13:09	21°♈35'24	11.15823 AU
morning rise	-9420 Jul 09 j 14:39	23°♈33'03	
	-9420 Sep 27 j 14:32	0°♉	
retrograde	-9420 Oct 15 j 10:13	0°♉16'00	
	-9420 Nov 02 j 09:35	30°℞♈	
opposition	-9420 Dec 23 j 15:41	27°♈00'56	0°43'26
min. Earth dist.	-9420 Dec 23 j 22:26	26°♈59'41	9.20162 AU
direct	-9419 Mar 05 j 13:57	23°♈39'55	
	-9419 Jun 11 j 01:19	0°♉	
evening set	-9419 Jun 17 j 01:34	0°♉40'08	
conjunction	-9419 Jul 03 j 22:51	2°♉35'47	0°49'29
minimum elong	-9419 Jul 03 j 22:49	2°♉35'46	0°49'44
max. Earth dist.	-9419 Jul 03 j 12:13	2°♉32'44	11.23798 AU
morning rise	-9419 Jul 20 j 15:48	4°♉30'13	
retrograde	-9419 Oct 26 j 12:34	11°♉10'16	
opposition	-9418 Jan 04 j 04:26	7°♉55'44	1°15'41
min. Earth dist.	-9418 Jan 04 j 14:56	7°♉53'49	9.26694 AU
direct	-9418 Mar 17 j 06:44	4°♉35'43	
evening set	-9418 Jun 28 j 04:51	11°♉31'37	
conjunction	-9418 Jul 14 j 22:21	13°♉25'48	1°14'49
minimum elong	-9418 Jul 14 j 22:18	13°♉25'47	1°15'09
max. Earth dist.	-9418 Jul 14 j 07:46	13°♉21'37	11.28715 AU
	-9418 Jul 28 j 16:33	15°♉	
morning rise	-9418 Jul 31 j 12:03	15°♉19'00	
retrograde	-9418 Nov 06 j 15:49	21°♉58'23	
opposition	-9417 Jan 15 j 16:02	18°♉44'00	1°44'55
min. Earth dist.	-9417 Jan 16 j 05:34	18°♉41'33	9.30050 AU
direct	-9417 Mar 28 j 20:02	15°♉24'47	
evening set	-9417 Jul 09 j 04:40	22°♉18'05	
conjunction	-9417 Jul 25 j 18:45	24°♉11'19	1°37'21
minimum elong	-9417 Jul 25 j 18:42	24°♉11'18	1°37'46
max. Earth dist.	-9417 Jul 25 j 01:07	24°♉06'16	11.30392 AU
morning rise	-9417 Aug 11 j 05:32	26°♉03'44	
	-9417 Sep 19 j 02:08	0°♊	
retrograde	-9417 Nov 17 j 20:49	2°♊44'36	
	-9416 Jan 20 j 06:27	30°℞♉	
opposition	-9416 Jan 27 j 04:11	29°♉30'03	2°10'23
min. Earth dist.	-9416 Jan 27 j 20:53	29°♉27'01	9.30152 AU
direct	-9416 Apr 08 j 05:18	26°♉11'24	
	-9416 Jun 19 j 23:55	0°♊	
evening set	-9416 Jul 19 j 02:50	3°♊03'46	
conjunction	-9416 Aug 04 j 13:53	4°♊56'32	1°56'26
minimum elong	-9416 Aug 04 j 13:50	4°♊56'31	1°56'55
max. Earth dist.	-9416 Aug 03 j 16:41	4°♊50'26	11.28849 AU
morning rise	-9416 Aug 20 j 22:36	6°♊48'45	
retrograde	-9416 Nov 28 j 03:26	13°♊33'07	
opposition	-9415 Feb 06 j 18:22	10°♊17'59	2°31'22
min. Earth dist.	-9415 Feb 07 j 14:11	10°♊14'23	9.27074 AU
direct	-9415 Apr 19 j 13:54	6°♊59'37	
evening set	-9415 Jul 30 j 00:45	13°♊52'40	
max. Earth dist.	-9415 Aug 14 j 09:47	15°♊38'37	11.24194 AU
conjunction	-9415 Aug 15 j 09:33	15°♊45'30	2°11'28
minimum elong	-9415 Aug 15 j 09:30	15°♊45'29	2°12'01
morning rise	-9415 Aug 31 j 17:06	17°♊38'04	
retrograde	-9415 Dec 09 j 16:11	24°♊27'51	
opposition	-9414 Feb 18 j 11:37	21°♊11'46	2°47'11
min. Earth dist.	-9414 Feb 19 j 08:57	21°♊07'53	9.20934 AU
direct	-9414 May 01 j 00:48	17°♊53'26	
evening set	-9414 Aug 10 j 00:18	24°♊48'41	
max. Earth dist.	-9414 Aug 25 j 07:32	26°♊35'04	11.16580 AU
conjunction	-9414 Aug 26 j 07:53	26°♊42'11	2°21'54
minimum elong	-9414 Aug 26 j 07:51	26°♊42'10	2°22'28
morning rise	-9414 Sep 11 j 14:59	28°♊35'39	
	-9414 Sep 24 j 04:25	0°♋	
retrograde	-9414 Dec 21 j 10:51	5°♋32'41	
opposition	-9413 Mar 02 j 09:14	2°♋15'19	2°57'10
min. Earth dist.	-9413 Mar 03 j 06:44	2°♋11'23	9.11927 AU
	-9413 Apr 05 j 07:23	30°℞♊	
direct	-9413 May 12 j 12:18	28°♊56'47	

Attention, astronomical year style is used: The year -9413 in astronomical counting style is the year 9414 BCE in historical counting style.

	-9413 Jun 17 j 18:34	0°♋	
evening set	-9413 Aug 21 j 03:12	5°♋55'45	
max. Earth dist.	-9413 Sep 05 j 10:08	7°♋43'16	11.06255 AU
conjunction	-9413 Sep 06 j 10:33	7°♋50'29	2°27'11
minimum elong	-9413 Sep 06 j 10:33	7°♋50'29	2°27'45
morning rise	-9413 Sep 22 j 18:17	9°♋45'29	
retrograde	-9412 Jan 02 j 14:41	16°♋51'30	
opposition	-9412 Mar 13 j 12:53	13°♋32'35	3°00'39
min. Earth dist.	-9412 Mar 14 j 10:13	13°♋28'39	9.00355 AU
direct	-9412 May 23 j 03:18	10°♋13'39	
evening set	-9412 Aug 31 j 11:11	17°♋17'44	
conjunction	-9412 Sep 16 j 19:19	19°♋14'20	2°26'49
minimum elong	-9412 Sep 16 j 19:20	19°♋14'20	2°27'22
max. Earth dist.	-9412 Sep 15 j 18:38	19°♋06'56	10.93576 AU
morning rise	-9412 Oct 03 j 05:04	21°♋11'30	
retrograde	-9411 Jan 14 j 02:05	28°♋28'05	
opposition	-9411 Mar 25 j 23:32	25°♋07'24	2°57'01
min. Earth dist.	-9411 Mar 26 j 20:30	25°♋03'30	8.86620 AU
direct	-9411 Jun 03 j 22:09	21°♋47'50	
evening set	-9411 Sep 12 j 02:15	28°♋58'31	
	-9411 Sep 20 j 14:59	0°♌	
conjunction	-9411 Sep 28 j 12:29	0°♌57'34	2°20'24
minimum elong	-9411 Sep 28 j 12:31	0°♌57'35	2°20'54
max. Earth dist.	-9411 Sep 27 j 12:59	0°♌50'25	10.78987 AU
morning rise	-9411 Oct 15 j 01:27	2°♌57'31	
retrograde	-9410 Jan 26 j 23:27	10°♌26'04	
opposition	-9410 Apr 07 j 17:54	7°♌03'27	2°45'45
min. Earth dist.	-9410 Apr 08 j 13:18	6°♌59'47	8.71221 AU
direct	-9410 Jun 16 j 01:47	3°♌43'05	
evening set	-9410 Sep 24 j 02:06	11°♌01'41	
conjunction	-9410 Oct 10 j 15:47	13°♌03'48	2°07'38
minimum elong	-9410 Oct 10 j 15:51	13°♌03'49	2°08'06
max. Earth dist.	-9410 Oct 09 j 19:30	12°♌57'31	10.63030 AU
	-9410 Oct 26 j 09:36	15°♌	
morning rise	-9410 Oct 27 j 08:59	15°♌07'05	
retrograde	-9409 Feb 09 j 09:41	22°♌48'42	
opposition	-9409 Apr 20 j 21:09	19°♌24'05	2°26'32
min. Earth dist.	-9409 Apr 21 j 13:15	19°♌21'00	8.54766 AU
direct	-9409 Jun 28 j 12:15	16°♌02'48	
evening set	-9409 Oct 06 j 12:32	23°♌30'26	
conjunction	-9409 Oct 23 j 06:46	25°♌36'06	1°48'30
minimum elong	-9409 Oct 23 j 06:49	25°♌36'07	1°48'53
max. Earth dist.	-9409 Oct 22 j 14:23	25°♌30'57	10.46370 AU
morning rise	-9409 Nov 09 j 05:13	27°♌43'14	
	-9409 Nov 28 j 08:28	0°♍	
retrograde	-9408 Feb 23 j 07:49	5°♍38'32	
opposition	-9408 May 03 j 09:49	2°♍11'55	1°59'23
min. Earth dist.	-9408 May 03 j 21:37	2°♍09'37	8.37987 AU
	-9408 Jun 03 j 02:31	30°℞♌	
direct	-9408 Jul 10 j 06:32	28°♌49'38	
	-9408 Aug 15 j 11:47	0°♍	
evening set	-9408 Oct 18 j 11:41	6°♍27'15	
conjunction	-9408 Nov 04 j 11:14	8°♍36'50	1°23'15
minimum elong	-9408 Nov 04 j 11:17	8°♍36'51	1°23'32
max. Earth dist.	-9408 Nov 03 j 23:00	8°♍32'55	10.29785 AU
morning rise	-9408 Nov 21 j 15:50	10°♍48'06	
retrograde	-9407 Mar 08 j 16:45	18°♍57'04	
opposition	-9407 May 17 j 07:45	15°♍28'35	1°24'49
min. Earth dist.	-9407 May 17 j 15:11	15°♍27'07	8.21722 AU
direct	-9407 Jul 23 j 11:38	12°♍05'09	
evening set	-9407 Nov 01 j 00:38	19°♍53'26	

conjunction	-9407 Nov 18 j 06:01	22°♍07'03	0°52'40
minimum elong	-9407 Nov 18 j 06:04	22°♍07'03	0°52'50
max. Earth dist.	-9407 Nov 17 j 22:38	22°♍04'38	10.14146 AU
morning rise	-9407 Dec 05 j 17:06	24°♍22'31	
	-9406 Jan 24 j 22:43	0°♎	
retrograde	-9406 Mar 23 j 12:28	2°♎44'19	
	-9406 May 22 j 01:33	30°℞♍	
opposition	-9406 May 31 j 14:43	29°♍14'12	0°44'06
min. Earth dist.	-9406 May 31 j 17:33	29°♍13'38	8.06882 AU
direct	-9406 Aug 06 j 03:05	25°♍49'35	
	-9406 Oct 14 j 13:38	0°♎	
evening set	-9406 Nov 15 j 04:02	3°♎48'37	
conjunction	-9406 Dec 02 j 15:20	6°♎06'05	0°18'06
minimum elong	-9406 Dec 02 j 15:21	6°♎06'06	0°18'07
max. Earth dist.	-9406 Dec 02 j 14:04	6°♎05'40	10.00370 AU
morning rise	-9406 Dec 20 j 08:35	8°♎25'29	
retrograde	-9405 Apr 07 j 16:46	16°♎58'23	
desc. node	-9405 Jun 09 j 05:35	13°♎56'17	
opposition	-9405 Jun 15 j 05:30	13°♎26'57	-0°00'44
min. Earth dist.	-9405 Jun 15 j 03:27	13°♎27'22	7.94406 AU
direct	-9405 Aug 20 j 05:17	10°♎01'09	
evening set	-9405 Nov 29 j 21:53	18°♎10'26	
conjunction	-9405 Dec 17 j 14:46	20°♎31'15	-0°18'33
minimum elong	-9405 Dec 17 j 14:45	20°♎31'15	0°18'41
max. Earth dist.	-9405 Dec 17 j 20:32	20°♎33'10	9.89374 AU
morning rise	-9404 Jan 04 j 13:17	22°♎53'56	
	-9404 Mar 10 j 16:18	0°♏	
retrograde	-9404 Apr 22 j 03:01	1°♏35'05	
	-9404 Jun 04 j 01:06	30°℞♎	
opposition	-9404 Jun 29 j 02:06	28°♎02'44	-0°46'47
min. Earth dist.	-9404 Jun 28 j 18:50	28°♎04'14	7.85161 AU
direct	-9404 Sep 02 j 17:28	24°♎35'47	
	-9404 Nov 21 j 04:55	0°♏	
evening set	-9404 Dec 14 j 04:44	2°♏54'01	
conjunction	-9403 Jan 01 j 02:16	5°♏17'21	-0°54'41
minimum elong	-9403 Jan 01 j 02:13	5°♏17'20	0°54'58
max. Earth dist.	-9403 Jan 01 j 15:05	5°♏21'40	9.81953 AU
morning rise	-9403 Jan 19 j 04:40	7°♏42'17	
	-9403 Mar 28 j 05:12	15°♏	
retrograde	-9403 May 07 j 15:48	16°♏27'54	
	-9403 Jun 17 j 10:47	15°℞♏	
opposition	-9403 Jul 14 j 02:13	12°♏55'09	-1°30'35
min. Earth dist.	-9403 Jul 13 j 13:53	12°♏57'44	7.79832 AU
direct	-9403 Sep 17 j 14:15	9°♏27'11	
	-9403 Dec 07 j 05:53	15°♏	
evening set	-9403 Dec 29 j 21:34	17°♏52'09	
conjunction	-9402 Jan 16 j 22:22	20°♏16'53	-1°27'37
minimum elong	-9402 Jan 16 j 22:18	20°♏16'52	1°28'00
max. Earth dist.	-9402 Jan 17 j 17:40	20°♏23'23	9.78684 AU
morning rise	-9402 Feb 04 j 02:56	22°♏42'50	
	-9402 Apr 12 j 19:05	0°♐	
retrograde	-9402 May 23 j 02:49	1°♐28'28	
	-9402 Jul 02 j 19:08	30°℞♏	
min. Earth dist.	-9402 Jul 28 j 10:12	27°♏59'22	7.78839 AU
opposition	-9402 Jul 29 j 02:51	27°♏55'52	-2°08'34
direct	-9402 Oct 02 j 15:56	24°♏27'04	
	-9402 Dec 22 j 15:15	0°♐	
evening set	-9401 Jan 14 j 20:10	2°♐55'44	
conjunction	-9401 Feb 01 j 22:52	5°♐20'39	-1°54'41
minimum elong	-9401 Feb 01 j 22:48	5°♐20'38	1°55'11
max. Earth dist.	-9401 Feb 02 j 23:20	5°♐28'52	9.79852 AU
morning rise	-9401 Feb 20 j 03:57	7°♐46'18	

Attention, astronomical year style is used: The year -9401 in astronomical counting style is the year 9402 BCE in historical counting style.

retrograde	-9401 Jun	07 j 08:51	16°♐27'18	
min. Earth dist.	-9401 Aug	12 j 05:17	12°♐59'31	7.82260 AU
opposition	-9401 Aug	13 j 01:01	12°♐55'22	-2°37'38
direct	-9401 Oct	17 j 19:47	9°♐25'56	
evening set	-9400 Jan	30 j 19:31	17°♐54'47	
conjunction	-9400 Feb	17 j 22:48	20°♐18'45	-2°13'52
minimum elong	-9400 Feb	17 j 22:45	20°♐18'44	2°14'25
max. Earth dist.	-9400 Feb	19 j 02:28	20°♐27'57	9.85354 AU
morning rise	-9400 Mar	07 j 03:00	22°♐42'56	
	-9400 May	15 j 11:02	0°♑	
retrograde	-9400 Jun	21 j 06:52	1°♑15'00	
	-9400 Jul	28 j 09:01	30°℞♐	
opposition	-9400 Aug	26 j 17:58	27°♐44'12	-2°55'43
min. Earth dist.	-9400 Aug	25 j 21:00	27°♐48'36	7.89785 AU
direct	-9400 Oct	31 j 23:03	24°♐14'25	
	-9399 Jan	24 j 03:54	0°♑	
evening set	-9399 Feb	14 j 14:31	2°♑39'51	
conjunction	-9399 Mar	04 j 17:13	5°♑01'53	-2°24'00
minimum elong	-9399 Mar	04 j 17:12	5°♑01'53	2°24'34
max. Earth dist.	-9399 Mar	05 j 21:36	5°♑11'13	9.94704 AU
morning rise	-9399 Mar	22 j 19:26	7°♑23'39	
retrograde	-9399 Jul	05 j 18:09	15°♑43'28	
min. Earth dist.	-9399 Sep	09 j 06:54	12°♑18'28	8.00761 AU
opposition	-9399 Sep	10 j 03:19	12°♑14'13	-3°02'03
direct	-9399 Nov	15 j 22:30	8°♑44'23	