Attention, astronomical year style is used: The year -10900 in astronomical counting style is the year 10901 BCE in historical counting style.

opposition	-10900 Jan 11 j 06:54	4°♉16'01	2°11'28
min. Earth dist.	-10900 Jan 12 j 03:23	4°♉09'32	4.32462 AU
	-10900 Feb 20 j 23:58	30°℞♈	
direct	-10900 Mar 13 j 16:19	29°♈17'54	
	-10900 Apr 04 j 07:06	0°♉	
	-10900 Jul 07 j 01:07	15°♉	
evening set	-10900 Jul 17 j 13:44	17°♉20'33	
conjunction	-10900 Jul 29 j 22:59	20°♉08'23	1°39'57
minimum elong	-10900 Jul 29 j 22:57	20°♉08'21	1°40'22
max. Earth dist.	-10900 Jul 28 j 22:27	19°♉54'30	6.30252 AU
morning rise	-10900 Aug 11 j 07:20	22°♉55'50	
	-10900 Sep 12 j 23:21	0°♊	
retrograde	-10900 Dec 13 j 09:44	10°♊50'55	
opposition	-10899 Feb 12 j 21:14	5°♊57'27	2°30'33
min. Earth dist.	-10899 Feb 13 j 10:30	5°♊53'14	4.27488 AU
direct	-10899 Apr 15 j 12:16	1°♊02'16	
evening set	-10899 Aug 17 j 21:04	19°♊08'39	
conjunction	-10899 Aug 30 j 06:35	21°♊59'00	1°36'58
minimum elong	-10899 Aug 30 j 06:38	21°♊59'02	1°37'34
max. Earth dist.	-10899 Aug 29 j 19:16	21°♊52'30	6.23884 AU
morning rise	-10899 Sep 11 j 16:56	24°♊49'57	
	-10899 Oct 04 j 21:32	0°♋	
retrograde	-10898 Jan 16 j 20:28	13°♋25'39	
opposition	-10898 Mar 19 j 09:23	8°♋29'08	2°03'32
min. Earth dist.	-10898 Mar 19 j 12:34	8°♋28'07	4.20139 AU
direct	-10898 May 18 j 22:11	3°♋35'55	
evening set	-10898 Sep 19 j 01:24	21°♋53'06	
conjunction	-10898 Oct 01 j 17:43	24°♋49'41	1°03'25
minimum elong	-10898 Oct 01 j 17:49	24°♋49'44	1°03'58
max. Earth dist.	-10898 Oct 01 j 21:42	24°♋52'00	6.16254 AU
morning rise	-10898 Oct 14 j 12:54	27°♋47'51	
	-10898 Oct 24 j 03:33	0°♌	
	-10897 Jan 14 j 23:42	15°♌	
retrograde	-10897 Feb 21 j 08:10	17°♌05'29	
	-10897 Mar 30 j 17:30	15°℞♌	
opposition	-10897 Apr 23 j 14:35	12°♌05'07	0°54'48
min. Earth dist.	-10897 Apr 23 j 04:38	12°♌08'22	4.12740 AU
direct	-10897 Jun 21 j 21:05	7°♌12'07	
	-10897 Sep 03 j 00:22	15°♌	
evening set	-10897 Oct 22 j 18:50	25°♌46'09	
conjunction	-10897 Nov 04 j 21:33	28°♌50'08	0°07'51
minimum elong	-10897 Nov 04 j 21:35	28°♌50'09	0°08'12
behind sun begin	-10897 Nov 04 j 14:20	28°♌45'56	
behind sun end	-10897 Nov 05 j 04:49	28°♌54'23	
max. Earth dist.	-10897 Nov 05 j 19:00	29°♌02'42	6.09836 AU
	-10897 Nov 09 j 20:48	0°♍	
morning rise	-10897 Nov 18 j 03:45	1°♍56'05	
desc. node	-10897 Dec 26 j 05:56	10°♍23'38	
retrograde	-10896 Mar 28 j 13:33	21°♍43'46	
min. Earth dist.	-10896 May 27 j 09:07	16°♍46'08	4.07843 AU
opposition	-10896 May 28 j 02:53	16°♍40'11	-0°35'01
direct	-10896 Jul 25 j 13:26	11°♍45'30	
	-10896 Nov 23 j 13:02	0°♎	
evening set	-10896 Nov 26 j 07:40	0°♎38'43	
conjunction	-10896 Dec 09 j 19:02	3°♎47'45	-0°51'31
minimum elong	-10896 Dec 09 j 18:57	3°♎47'42	0°51'30
max. Earth dist.	-10896 Dec 11 j 01:46	4°♎05'44	6.06883 AU
morning rise	-10896 Dec 23 j 09:43	6°♎58'27	
retrograde	-10895 May 03 j 13:37	26°♎52'15	
min. Earth dist.	-10895 Jul 01 j 11:45	21°♎54'24	4.07240 AU
opposition	-10895 Jul 02 j 08:42	21°♎47'15	-1°53'10
direct	-10895 Aug 29 j 12:41	16°♎49'30	
	-10895 Dec 06 j 18:15	0°♏	
evening set	-10894 Jan 02 j 03:52	5°♏56'44	
conjunction	-10894 Jan 15 j 19:51	9°♏06'46	-1°32'21
minimum elong	-10894 Jan 15 j 19:47	9°♏06'43	1°32'41
max. Earth dist.	-10894 Jan 17 j 01:09	9°♏23'46	6.08550 AU
morning rise	-10894 Jan 29 j 13:31	12°♏17'33	
	-10894 Feb 10 j 10:17	15°♏	
	-10894 May 05 j 00:09	0°♐	
retrograde	-10894 Jun 07 j 17:01	1°♐49'01	
	-10894 Jul 11 j 00:54	30°℞♏	
opposition	-10894 Aug 05 j 21:08	26°♏45'02	-2°29'43
min. Earth dist.	-10894 Aug 05 j 06:06	26°♏50'12	4.11108 AU
direct	-10894 Oct 03 j 14:31	21°♏43'52	
	-10894 Dec 18 j 23:32	0°♐	
evening set	-10893 Feb 08 j 03:01	10°♐52'09	
conjunction	-10893 Feb 21 j 20:00	14°♐00'00	-1°39'33
minimum elong	-10893 Feb 21 j 20:02	14°♐00'01	1°40'08
max. Earth dist.	-10893 Feb 22 j 13:49	14°♐10'12	6.14196 AU
morning rise	-10893 Mar 07 j 12:24	17°♐07'29	
	-10893 May 09 j 04:57	0°♑	
retrograde	-10893 Jul 11 j 12:09	5°♑56'02	
opposition	-10893 Sep 08 j 11:18	0°♑55'11	-2°13'12
min. Earth dist.	-10893 Sep 08 j 05:30	0°♑57'09	4.17982 AU
	-10893 Sep 15 j 06:47	30°℞♐	
direct	-10893 Nov 07 j 05:16	25°♐51'38	
	-10893 Dec 30 j 04:41	0°♑	
evening set	-10892 Mar 15 j 00:55	14°♑47'02	
conjunction	-10892 Mar 28 j 15:26	17°♑50'52	-1°12'26
minimum elong	-10892 Mar 28 j 15:31	17°♑50'55	1°13'02
max. Earth dist.	-10892 Mar 28 j 13:49	17°♑49'57	6.21768 AU
morning rise	-10892 Apr 11 j 03:51	20°♑53'27	
	-10892 May 24 j 03:23	0°♒	
retrograde	-10892 Aug 12 j 02:54	8°♒56'01	
opposition	-10892 Oct 10 j 06:23	3°♒58'58	-1°13'34
min. Earth dist.	-10892 Oct 10 j 12:48	3°♒56'49	4.25475 AU
	-10892 Nov 13 j 21:07	30°℞♑	
direct	-10892 Dec 10 j 07:25	28°♑54'39	
	-10891 Jan 06 j 00:11	0°♒	
	-10891 Apr 06 j 22:21	15°♒	
evening set	-10891 Apr 18 j 08:10	17°♒30'25	
conjunction	-10891 May 01 j 16:56	20°♒29'09	-0°22'39
minimum elong	-10891 May 01 j 16:58	20°♒29'11	0°23'04
max. Earth dist.	-10891 May 01 j 00:17	20°♒19'52	6.28699 AU
morning rise	-10891 May 14 j 22:08	23°♒26'06	
	-10891 Jun 14 j 12:25	0°♓	
retrograde	-10891 Sep 12 j 21:50	10°♓55'38	
asc. node	-10891 Oct 09 j 08:27	9°♓48'45	
opposition	-10891 Nov 11 j 14:46	6°♓01'54	0°06'59
min. Earth dist.	-10891 Nov 12 j 05:55	5°♓56'57	4.31236 AU
direct	-10890 Jan 12 j 14:46	0°♓58'42	
evening set	-10890 May 21 j 02:52	19°♓16'32	
max. Earth dist.	-10890 Jun 01 j 22:15	21°♓54'07	6.32864 AU
conjunction	-10890 Jun 03 j 02:22	22°♓09'48	0°33'08
minimum elong	-10890 Jun 03 j 02:19	22°♓09'46	0°32'59
morning rise	-10890 Jun 15 j 22:39	25°♓01'22	
	-10890 Jul 08 j 22:06	0°♈	
retrograde	-10890 Oct 14 j 16:22	12°♈19'47	
opposition	-10890 Dec 14 j 00:58	7°♈27'54	1°24'07

Attention, astronomical year style is used: The year -10890 in astronomical counting style is the year 10891 BCE in historical counting style.

min. Earth dist.	-10890 Dec 14 j 22:03	7°♈21'09	4.33572 AU
direct	-10889 Feb 14 j 13:03	2°♈27'09	
evening set	-10889 Jun 21 j 18:54	20°♈33'39	
max. Earth dist.	-10889 Jul 03 j 04:30	23°♈06'35	6.33105 AU
conjunction	-10889 Jul 04 j 09:18	23°♈22'44	1°18'40
minimum elong	-10889 Jul 04 j 09:13	23°♈22'41	1°18'52
morning rise	-10889 Jul 16 j 21:12	26°♈10'40	
	-10889 Aug 03 j 07:16	0°♉	
retrograde	-10889 Nov 15 j 21:27	13°♉40'54	
opposition	-10888 Jan 15 j 23:15	8°♉48'59	2°16'44
min. Earth dist.	-10888 Jan 16 j 18:07	8°♉43'00	4.31844 AU
direct	-10888 Mar 18 j 05:23	3°♉51'22	
	-10888 Jun 20 j 00:50	15°♉	
evening set	-10888 Jul 21 j 23:28	21°♉54'39	
max. Earth dist.	-10888 Aug 02 j 09:52	24°♉29'52	6.29434 AU
conjunction	-10888 Aug 03 j 08:18	24°♉42'36	1°41'25
minimum elong	-10888 Aug 03 j 08:17	24°♉42'35	1°41'51
morning rise	-10888 Aug 15 j 16:27	27°♉30'18	
	-10888 Aug 26 j 20:27	0°♊	
retrograde	-10888 Dec 18 j 06:03	15°♊30'48	
opposition	-10887 Feb 17 j 17:01	10°♊37'04	2°29'34
min. Earth dist.	-10887 Feb 18 j 05:42	10°♊33'03	4.26539 AU
direct	-10887 Apr 20 j 05:35	5°♊42'18	
evening set	-10887 Aug 22 j 08:48	23°♊49'49	
conjunction	-10887 Sep 03 j 18:52	26°♊40'50	1°33'59
minimum elong	-10887 Sep 03 j 18:56	26°♊40'52	1°34'35
max. Earth dist.	-10887 Sep 03 j 09:12	26°♊35'16	6.22903 AU
morning rise	-10887 Sep 16 j 06:13	29°♊32'37	
	-10887 Sep 18 j 06:13	0°♋	
retrograde	-10886 Jan 21 j 17:45	18°♋13'57	
opposition	-10886 Mar 24 j 07:40	13°♋16'53	1°56'02
min. Earth dist.	-10886 Mar 24 j 07:49	13°♋16'50	4.19206 AU
direct	-10886 May 23 j 15:13	8°♋23'51	
evening set	-10886 Sep 23 j 16:52	26°♋42'23	
conjunction	-10886 Oct 06 j 10:35	29°♋39'54	0°56'35
minimum elong	-10886 Oct 06 j 10:40	29°♋39'57	0°57'08
max. Earth dist.	-10886 Oct 06 j 18:23	29°♋44'26	6.15467 AU
	-10886 Oct 07 j 21:07	0°♌	
morning rise	-10886 Oct 19 j 07:06	2°♌39'02	
	-10886 Dec 17 j 00:40	15°♌	
retrograde	-10885 Feb 26 j 09:54	22°♌00'49	
opposition	-10885 Apr 28 j 14:00	16°♌59'56	0°42'49
min. Earth dist.	-10885 Apr 28 j 03:23	17°♌03'25	4.12142 AU
	-10885 May 14 j 07:08	15°℞♌	
direct	-10885 Jun 26 j 18:43	12°♌06'48	
	-10885 Aug 08 j 08:56	15°♌	
	-10885 Oct 24 j 14:36	0°♍	
evening set	-10885 Oct 27 j 15:24	0°♍42'17	
desc. node	-10885 Nov 04 j 20:10	2°♍37'12	
conjunction	-10885 Nov 09 j 19:20	3°♍46'59	-0°00'46
minimum elong	-10885 Nov 09 j 19:21	3°♍47'00	0°00'28
behind sun begin	-10885 Nov 09 j 11:09	3°♍42'13	
behind sun end	-10885 Nov 10 j 03:33	3°♍51'46	
max. Earth dist.	-10885 Nov 10 j 17:55	4°♍00'12	6.09479 AU
morning rise	-10885 Nov 23 j 03:00	6°♍53'41	
retrograde	-10884 Apr 02 j 12:59	26°♍42'29	
min. Earth dist.	-10884 Jun 01 j 05:33	21°♍45'02	4.07771 AU
opposition	-10884 Jun 02 j 00:49	21°♍38'34	-0°47'20
direct	-10884 Jul 30 j 09:03	16°♍43'30	
	-10884 Nov 06 j 13:24	0°♎	
evening set	-10884 Dec 01 j 08:39	5°♎38'05	
conjunction	-10884 Dec 14 j 20:52	8°♎47'20	-0°58'43
minimum elong	-10884 Dec 14 j 20:46	8°♎47'17	0°58'45
max. Earth dist.	-10884 Dec 16 j 03:39	9°♎05'21	6.07077 AU
morning rise	-10884 Dec 28 j 12:07	11°♎58'10	
	-10883 Apr 04 j 09:38	0°♏	
retrograde	-10883 May 08 j 11:32	1°♏49'41	
	-10883 Jun 11 j 03:59	30°℞♎	
min. Earth dist.	-10883 Jul 06 j 08:31	26°♎51'19	4.07679 AU
opposition	-10883 Jul 07 j 04:05	26°♎44'38	-2°01'09
direct	-10883 Sep 03 j 09:53	21°♎46'20	
	-10883 Nov 17 j 15:12	0°♏	
evening set	-10882 Jan 07 j 06:17	10°♏54'05	
conjunction	-10882 Jan 20 j 22:41	14°♏03'57	-1°35'30
minimum elong	-10882 Jan 20 j 22:37	14°♏03'55	1°35'52
max. Earth dist.	-10882 Jan 22 j 03:17	14°♏20'31	6.09179 AU
	-10882 Jan 24 j 23:27	15°♏	
morning rise	-10882 Feb 03 j 16:18	17°♏14'23	
	-10882 Apr 05 j 14:52	0°♐	
retrograde	-10882 Jun 12 j 10:27	6°♐40'47	
opposition	-10882 Aug 10 j 13:22	1°♐37'10	-2°30'33
min. Earth dist.	-10882 Aug 09 j 23:16	1°♐42'00	4.11878 AU
	-10882 Aug 22 j 14:37	30°℞♏	
direct	-10882 Oct 08 j 08:30	26°♏35'35	
	-10882 Nov 24 j 06:51	0°♐	
evening set	-10881 Feb 13 j 03:42	15°♐43'08	
conjunction	-10881 Feb 26 j 20:24	18°♐50'34	-1°37'41
minimum elong	-10881 Feb 26 j 20:27	18°♐50'36	1°38'16
max. Earth dist.	-10881 Feb 27 j 09:51	18°♐58'15	6.15029 AU
morning rise	-10881 Mar 12 j 12:35	21°♐57'33	
	-10881 Apr 18 j 12:21	0°♑	
retrograde	-10881 Jul 16 j 02:19	10°♑40'19	
opposition	-10881 Sep 13 j 01:08	5°♑39'57	-2°07'07
min. Earth dist.	-10881 Sep 12 j 21:44	5°♑41'06	4.18794 AU
direct	-10881 Nov 12 j 00:07	0°♑36'07	
evening set	-10880 Mar 19 j 21:29	19°♑30'02	
conjunction	-10880 Apr 02 j 11:39	22°♑33'24	-1°06'31
minimum elong	-10880 Apr 02 j 11:45	22°♑33'27	1°07'06
max. Earth dist.	-10880 Apr 02 j 08:45	22°♑31'45	6.22526 AU
morning rise	-10880 Apr 15 j 23:10	25°♑35'21	
	-10880 May 06 j 00:46	0°♒	
retrograde	-10880 Aug 16 j 14:22	13°♒33'20	
opposition	-10880 Oct 14 j 18:58	8°♒36'50	-1°03'02
min. Earth dist.	-10880 Oct 15 j 02:18	8°♒34'23	4.26113 AU
direct	-10880 Dec 14 j 22:40	3°♒32'35	
	-10879 Mar 20 j 16:31	15°♒	
evening set	-10879 Apr 23 j 00:31	22°♒06'46	
conjunction	-10879 May 06 j 08:04	25°♒04'53	-0°14'49
minimum elong	-10879 May 06 j 08:06	25°♒04'53	0°15'12
behind sun begin	-10879 May 06 j 05:32	25°♒03'28	
behind sun end	-10879 May 06 j 10:39	25°♒06'19	
max. Earth dist.	-10879 May 05 j 12:14	24°♒53'47	6.29176 AU
morning rise	-10879 May 19 j 12:21	28°♒01'13	
	-10879 May 28 j 11:46	0°♓	
asc. node	-10879 Aug 19 j 04:21	14°♓07'21	
retrograde	-10879 Sep 17 j 10:15	15°♓28'47	
opposition	-10879 Nov 16 j 04:06	10°♓35'22	0°18'34
min. Earth dist.	-10879 Nov 16 j 20:51	10°♓29'55	4.31530 AU
direct	-10878 Jan 17 j 06:51	5°♓32'24	
evening set	-10878 May 25 j 15:28	23°♓49'01	
max. Earth dist.	-10878 Jun 06 j 10:48	26°♓26'36	6.32956 AU
conjunction	-10878 Jun 07 j 13:49	26°♓41'41	0°40'30
minimum elong	-10878 Jun 07 j 13:45	26°♓41'39	0°40'25

Attention, astronomical year style is used: The year -10878 in astronomical counting style is the year 10879 BCE in historical counting style.

morning rise	-10878 Jun 20 j 08:40	29°♓32'40	
	-10878 Jun 22 j 10:02	0°♈	
retrograde	-10878 Oct 19 j 04:00	16°♈51'51	
opposition	-10878 Dec 18 j 15:47	12°♈00'04	1°33'27
min. Earth dist.	-10878 Dec 19 j 11:50	11°♈53'39	4.33483 AU
direct	-10877 Feb 19 j 02:55	6°♈59'46	
evening set	-10877 Jun 26 j 05:33	25°♈05'30	
conjunction	-10877 Jul 08 j 18:43	27°♈54'10	1°23'30
minimum elong	-10877 Jul 08 j 18:38	27°♈54'07	1°23'44
max. Earth dist.	-10877 Jul 07 j 14:05	27°♈38'05	6.32824 AU
	-10877 Jul 18 j 02:59	0°♉	
morning rise	-10877 Jul 21 j 05:50	0°♉41'50	
	-10877 Oct 04 j 14:36	15°♉	
retrograde	-10877 Nov 20 j 13:56	18°♉15'03	
	-10876 Jan 07 j 15:47	15°℞♉	
opposition	-10876 Jan 20 j 16:31	13°♉22'58	2°21'12
min. Earth dist.	-10876 Jan 21 j 11:24	13°♉16'59	4.31393 AU
direct	-10876 Mar 22 j 21:52	8°♉25'45	
	-10876 May 31 j 08:12	15°♉	
evening set	-10876 Jul 26 j 09:11	26°♉28'41	
conjunction	-10876 Aug 07 j 17:51	29°♉16'45	1°42'16
minimum elong	-10876 Aug 07 j 17:50	29°♉16'45	1°42'46
max. Earth dist.	-10876 Aug 06 j 21:25	29°♉05'08	6.28826 AU
	-10876 Aug 10 j 21:58	0°♊	
morning rise	-10876 Aug 20 j 01:58	2°♊04'41	
retrograde	-10876 Dec 22 j 23:16	20°♊09'42	
opposition	-10875 Feb 22 j 12:33	15°♊15'32	2°27'37
min. Earth dist.	-10875 Feb 22 j 22:44	15°♊12'18	4.25813 AU
direct	-10875 Apr 24 j 20:47	10°♊21'06	
evening set	-10875 Aug 26 j 19:56	28°♊28'56	
	-10875 Sep 02 j 10:45	0°♋	
conjunction	-10875 Sep 08 j 06:40	1°♋20'34	1°30'25
minimum elong	-10875 Sep 08 j 06:44	1°♋20'36	1°31'01
max. Earth dist.	-10875 Sep 07 j 23:31	1°♋16'27	6.22108 AU
morning rise	-10875 Sep 20 j 18:53	4°♋13'06	
retrograde	-10874 Jan 26 j 16:35	22°♋59'32	
opposition	-10874 Mar 29 j 05:11	18°♋01'57	1°47'49
min. Earth dist.	-10874 Mar 29 j 04:42	18°♋02'07	4.18366 AU
direct	-10874 May 28 j 10:17	13°♋09'00	
	-10874 Sep 21 j 21:32	0°♌	
evening set	-10874 Sep 28 j 07:51	1°♌28'52	
conjunction	-10874 Oct 11 j 02:52	4°♌27'20	0°49'26
minimum elong	-10874 Oct 11 j 02:57	4°♌27'23	0°49'59
max. Earth dist.	-10874 Oct 11 j 12:18	4°♌32'50	6.14672 AU
morning rise	-10874 Oct 24 j 00:58	7°♌27'31	
	-10874 Nov 26 j 23:04	15°♌	
retrograde	-10873 Mar 03 j 08:58	26°♌53'28	
opposition	-10873 May 03 j 12:01	21°♌52'08	0°30'37
min. Earth dist.	-10873 May 02 j 23:30	21°♌56'15	4.11461 AU
direct	-10873 Jul 01 j 12:35	16°♌58'52	
desc. node	-10873 Sep 14 j 23:03	25°♌15'31	
	-10873 Oct 07 j 19:17	0°♍	
evening set	-10873 Nov 01 j 11:53	5°♍36'41	
conjunction	-10873 Nov 14 j 17:09	8°♍42'11	-0°09'19
minimum elong	-10873 Nov 14 j 17:09	8°♍42'11	0°09'02
behind sun begin	-10873 Nov 14 j 10:09	8°♍38'06	
behind sun end	-10873 Nov 15 j 00:09	8°♍46'16	
max. Earth dist.	-10873 Nov 15 j 17:00	8°♍56'09	6.08969 AU
morning rise	-10873 Nov 28 j 02:05	11°♍49'40	
	-10872 Mar 05 j 16:29	0°♎	
retrograde	-10872 Apr 07 j 13:56	1°♎40'28	
	-10872 May 10 j 03:41	30°℞♍	
opposition	-10872 Jun 06 j 22:32	26°♍36'15	-0°59'18
min. Earth dist.	-10872 Jun 06 j 03:35	26°♍42'38	4.07476 AU
direct	-10872 Aug 04 j 06:05	21°♍40'46	
	-10872 Oct 18 j 13:13	0°♎	
evening set	-10872 Dec 06 j 10:07	10°♎37'52	
conjunction	-10872 Dec 19 j 23:14	13°♎47'30	-1°05'31
minimum elong	-10872 Dec 19 j 23:08	13°♎47'26	1°05'36
max. Earth dist.	-10872 Dec 21 j 06:55	14°♎06'01	6.07016 AU
morning rise	-10871 Jan 02 j 15:05	16°♎58'34	
	-10871 Mar 05 j 10:23	0°♏	
retrograde	-10871 May 13 j 09:57	6°♏48'42	
min. Earth dist.	-10871 Jul 11 j 04:50	1°♏50'20	4.07882 AU
opposition	-10871 Jul 12 j 00:03	1°♏43'46	-2°08'19
	-10871 Jul 24 j 22:36	30°℞♎	
direct	-10871 Sep 08 j 05:44	26°♎45'02	
	-10871 Oct 23 j 10:18	0°♏	
	-10870 Jan 08 j 11:33	15°♏	
evening set	-10870 Jan 12 j 10:15	15°♏54'19	
conjunction	-10870 Jan 26 j 02:46	19°♏04'03	-1°37'59
minimum elong	-10870 Jan 26 j 02:43	19°♏04'02	1°38'24
max. Earth dist.	-10870 Jan 27 j 04:18	19°♏18'50	6.09596 AU
morning rise	-10870 Feb 08 j 20:33	22°♏14'19	
	-10870 Mar 15 j 23:47	0°♐	
retrograde	-10870 Jun 17 j 05:11	11°♐36'23	
opposition	-10870 Aug 15 j 07:01	6°♐33'08	-2°30'21
min. Earth dist.	-10870 Aug 14 j 18:27	6°♐37'26	4.12463 AU
direct	-10870 Oct 13 j 05:53	1°♐31'08	
evening set	-10869 Feb 18 j 05:55	20°♐38'32	
conjunction	-10869 Mar 03 j 22:42	23°♐45'41	-1°35'06
minimum elong	-10869 Mar 03 j 22:46	23°♐45'43	1°35'41
max. Earth dist.	-10869 Mar 04 j 11:09	23°♐52'47	6.15751 AU
morning rise	-10869 Mar 17 j 14:21	26°♐52'10	
	-10869 Mar 31 j 13:50	0°♑	
retrograde	-10869 Jul 20 j 19:01	15°♑29'28	
opposition	-10869 Sep 17 j 16:56	10°♑29'41	-2°00'04
min. Earth dist.	-10869 Sep 17 j 14:56	10°♑30'21	4.19567 AU
direct	-10869 Nov 16 j 19:19	5°♑25'45	
evening set	-10868 Mar 24 j 19:38	24°♑18'05	
conjunction	-10868 Apr 07 j 09:05	27°♑20'53	-1°00'04
minimum elong	-10868 Apr 07 j 09:10	27°♑20'56	1°00'37
max. Earth dist.	-10868 Apr 07 j 02:51	27°♑17'22	6.23301 AU
	-10868 Apr 19 j 04:11	0°♒	
morning rise	-10868 Apr 20 j 19:58	0°♒22'16	
	-10868 Jul 06 j 06:49	15°♒	
retrograde	-10868 Aug 21 j 04:00	18°♒15'47	
	-10868 Oct 06 j 13:19	15°℞♒	
opposition	-10868 Oct 19 j 09:50	13°♒19'46	-0°51'56
min. Earth dist.	-10868 Oct 19 j 18:31	13°♒16'53	4.26829 AU
direct	-10868 Dec 19 j 16:59	8°♒15'36	
	-10867 Feb 28 j 08:29	15°♒	
evening set	-10867 Apr 27 j 17:57	26°♒47'39	
max. Earth dist.	-10867 May 10 j 04:54	29°♒34'08	6.29818 AU
conjunction	-10867 May 11 j 00:27	29°♒45'03	-0°06'48
minimum elong	-10867 May 11 j 00:28	29°♒45'03	0°07'09
behind sun begin	-10867 May 10 j 16:58	29°♒40'54	
behind sun end	-10867 May 11 j 07:57	29°♒49'13	
	-10867 May 12 j 03:13	0°♓	
morning rise	-10867 May 24 j 03:21	2°♓40'36	
asc. node	-10867 Jun 27 j 20:21	10°♓03'50	
retrograde	-10867 Sep 21 j 22:33	20°♓05'45	
opposition	-10867 Nov 20 j 18:50	15°♓12'41	0°30'09
min. Earth dist.	-10867 Nov 21 j 11:35	15°♓07'15	4.32060 AU

Attention, astronomical year style is used: The year -10866 in astronomical counting style is the year 10867 BCE in historical counting style.

direct	-10866 Jan 21 j 23:13	10°♓10'07		
evening set	-10866 May 30 j 04:49	28°♓24'25		
	-10866 Jun 06 j 08:52	0°♈		
max. Earth dist.	-10866 Jun 10 j 21:20	1°♈00'31	6.33329 AU	
conjunction	-10866 Jun 12 j 01:37	1°♈16'18	0°47'39	
minimum elong	-10866 Jun 12 j 01:32	1°♈16'16	0°47'37	
morning rise	-10866 Jun 24 j 19:20	4°♈06'37		
retrograde	-10866 Oct 23 j 17:38	21°♈25'47		
opposition	-10866 Dec 23 j 07:29	16°♈34'00	1°42'12	
min. Earth dist.	-10866 Dec 24 j 03:46	16°♈27'31	4.33688 AU	
direct	-10865 Feb 23 j 19:17	11°♈34'06		
evening set	-10865 Jun 30 j 15:28	29°♈37'48		
	-10865 Jul 02 j 07:18	0°♉		
max. Earth dist.	-10865 Jul 12 j 01:25	2°♉11'13	6.32830 AU	
conjunction	-10865 Jul 13 j 03:45	2°♉26'01	1°27'47	
minimum elong	-10865 Jul 13 j 03:40	2°♉25'58	1°28'03	
morning rise	-10865 Jul 25 j 13:53	5°♉13'16		
	-10865 Sep 10 j 12:59	15°♉		
retrograde	-10865 Nov 25 j 03:31	22°♉48'41		
opposition	-10864 Jan 25 j 09:26	17°♉56'21	2°24'42	
min. Earth dist.	-10864 Jan 26 j 02:39	17°♉50'54	4.31204 AU	
	-10864 Feb 19 j 07:12	15°℞♉		
direct	-10864 Mar 27 j 12:44	12°♉59'35		
	-10864 May 03 j 11:21	15°♉		
	-10864 Jul 26 j 05:10	0°♊		
evening set	-10864 Jul 30 j 18:02	1°♊01'11		
max. Earth dist.	-10864 Aug 11 j 06:36	3°♊38'03	6.28437 AU	
conjunction	-10864 Aug 12 j 02:20	3°♊49'16	1°42'27	
minimum elong	-10864 Aug 12 j 02:19	3°♊49'16	1°42'58	
morning rise	-10864 Aug 24 j 10:34	6°♊37'23		
retrograde	-10864 Dec 27 j 17:09	24°♊46'16		
opposition	-10863 Feb 27 j 06:59	19°♊51'39	2°24'43	
min. Earth dist.	-10863 Feb 27 j 16:37	19°♊48'35	4.25225 AU	
direct	-10863 Apr 29 j 13:16	14°♊57'25		
	-10863 Aug 17 j 14:18	0°♋		
evening set	-10863 Aug 31 j 05:50	3°♋05'12		
conjunction	-10863 Sep 12 j 17:26	5°♋57'29	1°26'19	
minimum elong	-10863 Sep 12 j 17:30	5°♋57'31	1°26'54	
max. Earth dist.	-10863 Sep 12 j 12:16	5°♋54'30	6.21383 AU	
morning rise	-10863 Sep 25 j 06:39	8°♋50'47		
retrograde	-10862 Jan 31 j 11:47	27°♋41'53		
opposition	-10862 Apr 03 j 00:52	22°♋43'48	1°38'58	
min. Earth dist.	-10862 Apr 02 j 22:32	22°♋44'33	4.17546 AU	
direct	-10862 Jun 02 j 01:39	17°♋50'53		
	-10862 Sep 05 j 07:18	0°♌		
evening set	-10862 Oct 02 j 21:47	6°♌12'17		
conjunction	-10862 Oct 15 j 18:06	9°♌11'42	0°42'03	
minimum elong	-10862 Oct 15 j 18:10	9°♌11'44	0°42'33	
max. Earth dist.	-10862 Oct 16 j 04:41	9°♌17'52	6.13832 AU	
morning rise	-10862 Oct 28 j 17:42	12°♌12'55		
	-10862 Nov 09 j 21:21	15°♌		
	-10861 Feb 02 j 15:37	0°♍		
retrograde	-10861 Mar 08 j 08:18	1°♍43'21		
	-10861 Apr 10 j 21:10	30°℞♌		
opposition	-10861 May 08 j 08:47	26°♌41'31	0°18'20	
min. Earth dist.	-10861 May 07 j 19:48	26°♌45'48	4.10649 AU	
direct	-10861 Jul 06 j 06:53	21°♌47'58		
desc. node	-10861 Jul 27 j 05:40	22°♌31'59		
	-10861 Sep 19 j 04:28	0°♍		
evening set	-10861 Nov 06 j 07:48	10°♍28'51		
conjunction	-10861 Nov 19 j 14:27	13°♍35'14	-0°17'39	
minimum elong	-10861 Nov 19 j 14:25	13°♍35'13	0°17'25	
max. Earth dist.	-10861 Nov 20 j 15:56	13°♍50'10	6.08276 AU	
morning rise	-10861 Dec 03 j 00:36	16°♍43'33		
	-10860 Feb 04 j 04:18	0°♎		
retrograde	-10860 Apr 12 j 13:51	6°♎36'47		
opposition	-10860 Jun 11 j 19:17	1°♎32'23	-1°10'44	
min. Earth dist.	-10860 Jun 11 j 00:07	1°♎38'51	4.06996 AU	
	-10860 Jun 23 j 09:58	30°℞♍		
direct	-10860 Aug 09 j 00:34	26°♍36'32		
	-10860 Sep 24 j 00:34	0°♎		
evening set	-10860 Dec 11 j 12:09	15°♎37'07		
conjunction	-10860 Dec 25 j 01:54	18°♎47'08	-1°11'46	
minimum elong	-10860 Dec 25 j 01:47	18°♎47'05	1°11'54	
max. Earth dist.	-10860 Dec 26 j 07:53	19°♎04'40	6.06773 AU	
morning rise	-10859 Jan 07 j 18:29	21°♎58'32		
	-10859 Feb 12 j 19:24	0°♏		
retrograde	-10859 May 18 j 07:44	11°♏47'49		
opposition	-10859 Jul 16 j 19:53	6°♏42'56	-2°14'30	
min. Earth dist.	-10859 Jul 16 j 01:05	6°♏49'23	4.07924 AU	
direct	-10859 Sep 13 j 02:45	1°♏43'42		
	-10859 Dec 22 j 05:22	15°♏		
evening set	-10858 Jan 17 j 14:41	20°♏55'05		
conjunction	-10858 Jan 31 j 07:40	24°♏04'50	-1°39'43	
minimum elong	-10858 Jan 31 j 07:38	24°♏04'49	1°40'10	
max. Earth dist.	-10858 Feb 01 j 09:22	24°♏19'41	6.09929 AU	
morning rise	-10858 Feb 14 j 01:17	27°♏14'52		
	-10858 Feb 26 j 04:01	0°♐		
retrograde	-10858 Jun 22 j 02:10	16°♐32'40		
opposition	-10858 Aug 20 j 01:18	11°♐29'50	-2°29'02	
min. Earth dist.	-10858 Aug 19 j 14:07	11°♐33'39	4.13060 AU	
direct	-10858 Oct 18 j 03:17	6°♐27'31		
evening set	-10857 Feb 23 j 08:39	25°♐34'24		
conjunction	-10857 Mar 09 j 01:09	28°♐41'08	-1°31'48	
minimum elong	-10857 Mar 09 j 01:13	28°♐41'10	1°32'24	
max. Earth dist.	-10857 Mar 09 j 10:55	28°♐46'41	6.16559 AU	
	-10857 Mar 14 j 19:40	0°♑		
morning rise	-10857 Mar 22 j 16:28	1°♑47'06		
retrograde	-10857 Jul 25 j 09:50	20°♑18'26		
opposition	-10857 Sep 22 j 09:00	15°♑19'06	-1°52'09	
min. Earth dist.	-10857 Sep 22 j 07:49	15°♑19'30	4.20506 AU	
direct	-10857 Nov 21 j 15:10	10°♑14'59		
evening set	-10856 Mar 29 j 17:32	29°♑04'51		
	-10856 Apr 02 j 20:12	0°♒		
conjunction	-10856 Apr 12 j 06:16	2°♒06'58	-0°53'11	
minimum elong	-10856 Apr 12 j 06:21	2°♒07'01	0°53'43	
max. Earth dist.	-10856 Apr 11 j 22:54	2°♒02'50	6.24315 AU	
morning rise	-10856 Apr 25 j 16:07	5°♒07'32		
	-10856 Jun 11 j 22:07	15°♒		
retrograde	-10856 Aug 25 j 17:17	22°♒55'43		
opposition	-10856 Oct 24 j 00:07	18°♒00'09	-0°40'32	
min. Earth dist.	-10856 Oct 24 j 10:12	17°♒56'49	4.27795 AU	
	-10856 Nov 17 j 09:25	15°℞♒		
direct	-10856 Dec 24 j 11:12	12°♒56'08		
	-10855 Jan 30 j 21:49	15°♒		
	-10855 Apr 25 j 23:48	0°♓		
evening set	-10855 May 02 j 10:04	1°♓24'59		
asc. node	-10855 May 06 j 13:27	2°♓20'07		
conjunction	-10855 May 15 j 15:16	4°♓21'32	0°01'19	
minimum elong	-10855 May 15 j 15:17	4°♓21'32	0°01'00	
behind sun begin	-10855 May 15 j 07:09	4°♓17'01		
behind sun end	-10855 May 15 j 23:24	4°♓26'02		
max. Earth dist.	-10855 May 14 j 17:38	4°♓09'27	6.30633 AU	

Attention, astronomical year style is used: The year -10855 in astronomical counting style is the year 10856 BCE in historical counting style.

morning rise	-10855 May 28 j 16:59	7°♓16'15	
retrograde	-10855 Sep 26 j 09:21	24°♓38'43	
opposition	-10855 Nov 25 j 08:32	19°♓45'52	0°41'26
min. Earth dist.	-10855 Nov 26 j 01:59	19°♓40'13	4.32654 AU
direct	-10854 Jan 26 j 14:43	14°♓43'33	
	-10854 May 21 j 07:28	0°♈	
evening set	-10854 Jun 03 j 16:12	2°♈55'27	
max. Earth dist.	-10854 Jun 15 j 08:11	5°♈31'16	6.33636 AU
conjunction	-10854 Jun 16 j 11:43	5°♈46'38	0°54'29
minimum elong	-10854 Jun 16 j 11:38	5°♈46'35	0°54'29
morning rise	-10854 Jun 29 j 04:02	8°♈36'16	
retrograde	-10854 Oct 28 j 05:25	25°♈56'03	
opposition	-10854 Dec 27 j 21:59	21°♈04'20	1°50'19
min. Earth dist.	-10854 Dec 28 j 18:18	20°♈57'52	4.33688 AU
direct	-10853 Feb 28 j 09:59	16°♈04'54	
	-10853 Jun 16 j 04:22	0°♉	
evening set	-10853 Jul 05 j 00:35	4°♉07'34	
max. Earth dist.	-10853 Jul 16 j 08:24	6°♉40'03	6.32488 AU
conjunction	-10853 Jul 17 j 11:48	6°♉55'28	1°31'34
minimum elong	-10853 Jul 17 j 11:43	6°♉55'26	1°31'53
morning rise	-10853 Jul 29 j 21:25	9°♉42'36	
	-10853 Aug 23 j 03:35	15°♉	
retrograde	-10853 Nov 29 j 18:57	27°♉21'41	
opposition	-10852 Jan 30 j 02:08	22°♉29'08	2°27'27
min. Earth dist.	-10852 Jan 30 j 19:01	22°♉23'47	4.30551 AU
direct	-10852 Apr 01 j 03:31	17°♉32'43	
	-10852 Jul 09 j 17:38	0°♊	
evening set	-10852 Aug 04 j 03:05	5°♊34'54	
conjunction	-10852 Aug 16 j 11:36	8°♊23'22	1°42'04
minimum elong	-10852 Aug 16 j 11:36	8°♊23'22	1°42'37
max. Earth dist.	-10852 Aug 15 j 18:18	8°♊13'31	6.27523 AU
morning rise	-10852 Aug 28 j 20:00	11°♊11'58	
retrograde	-10851 Jan 01 j 12:07	29°♊26'41	
opposition	-10851 Mar 04 j 02:50	24°♊31'42	2°20'58
min. Earth dist.	-10851 Mar 04 j 10:58	24°♊29'07	4.24110 AU
direct	-10851 May 04 j 05:06	19°♊37'48	
	-10851 Jul 31 j 04:54	0°♋	
evening set	-10851 Sep 04 j 18:06	7°♋47'31	
conjunction	-10851 Sep 17 j 06:32	10°♋40'43	1°21'35
minimum elong	-10851 Sep 17 j 06:37	10°♋40'46	1°22'12
max. Earth dist.	-10851 Sep 17 j 02:25	10°♋38'21	6.20161 AU
morning rise	-10851 Sep 29 j 21:06	13°♋35'07	
	-10851 Dec 25 j 23:23	0°♌	
retrograde	-10850 Feb 05 j 12:35	2°♌32'53	
	-10850 Mar 19 j 08:02	30°℞♋	
opposition	-10850 Apr 07 j 23:46	27°♋34'17	1°29'16
min. Earth dist.	-10850 Apr 07 j 19:59	27°♋35'30	4.16289 AU
direct	-10850 Jun 06 j 20:31	22°♋41'23	
	-10850 Aug 16 j 19:21	0°♌	
evening set	-10850 Oct 07 j 15:49	11°♌06'01	
conjunction	-10850 Oct 20 j 13:48	14°♌06'39	0°34'08
minimum elong	-10850 Oct 20 j 13:51	14°♌06'41	0°34'35
max. Earth dist.	-10850 Oct 21 j 03:36	14°♌14'42	6.12683 AU
	-10850 Oct 24 j 09:09	15°♌	
morning rise	-10850 Nov 02 j 14:58	17°♌09'06	
	-10849 Jan 02 j 19:52	0°♍	
retrograde	-10849 Mar 13 j 12:11	6°♍44'47	
opposition	-10849 May 13 j 09:31	1°♍42'35	0°05'27
min. Earth dist.	-10849 May 12 j 19:21	1°♍47'17	4.09729 AU
	-10849 May 26 j 14:15	30°℞♌	
desc. node	-10849 Jun 06 j 00:26	28°♌47'48	
direct	-10849 Jul 11 j 03:31	26°♌48'55	
	-10849 Aug 24 j 19:46	0°♍	
evening set	-10849 Nov 11 j 09:06	15°♍33'27	
conjunction	-10849 Nov 24 j 16:54	18°♍40'39	-0°26'11
minimum elong	-10849 Nov 24 j 16:52	18°♍40'37	0°26'01
max. Earth dist.	-10849 Nov 25 j 18:54	18°♍55'53	6.07677 AU
morning rise	-10849 Dec 08 j 04:27	21°♍49'47	
	-10848 Jan 13 j 19:41	0°♎	
retrograde	-10848 Apr 17 j 16:12	11°♎44'40	
opposition	-10848 Jun 16 j 19:58	6°♎40'04	-1°22'04
min. Earth dist.	-10848 Jun 15 j 23:33	6°♎46'59	4.06823 AU
direct	-10848 Aug 14 j 00:16	1°♎43'50	
evening set	-10848 Dec 16 j 18:11	20°♎46'36	
conjunction	-10848 Dec 30 j 08:47	23°♎56'47	-1°17'41
minimum elong	-10848 Dec 30 j 08:41	23°♎56'44	1°17'52
max. Earth dist.	-10848 Dec 31 j 17:02	24°♎15'36	6.07070 AU
morning rise	-10847 Jan 13 j 01:37	27°♎08'08	
	-10847 Jan 25 j 13:35	0°♏	
	-10847 Apr 18 j 18:35	15°♏	
retrograde	-10847 May 23 j 09:04	16°♏53'47	
	-10847 Jun 26 j 13:12	15°℞♏	
opposition	-10847 Jul 21 j 18:09	11°♏49'04	-2°19'46
min. Earth dist.	-10847 Jul 21 j 00:03	11°♏55'16	4.08703 AU
direct	-10847 Sep 18 j 03:36	6°♏49'26	
	-10847 Dec 02 j 11:24	15°♏	
evening set	-10846 Jan 22 j 20:44	25°♏59'42	
conjunction	-10846 Feb 05 j 13:39	29°♏08'55	-1°40'45
minimum elong	-10846 Feb 05 j 13:38	29°♏08'54	1°41'14
max. Earth dist.	-10846 Feb 06 j 13:36	29°♏22'43	6.11110 AU
	-10846 Feb 09 j 06:20	0°♐	
morning rise	-10846 Feb 19 j 07:10	2°♐18'17	
retrograde	-10846 Jun 26 j 18:33	21°♐28'10	
opposition	-10846 Aug 24 j 18:49	16°♐25'42	-2°26'35
min. Earth dist.	-10846 Aug 24 j 07:55	16°♐29'25	4.14537 AU
direct	-10846 Oct 23 j 00:27	11°♐23'00	
	-10845 Feb 26 j 11:14	0°♑	
evening set	-10845 Feb 28 j 09:15	0°♑25'54	
conjunction	-10845 Mar 14 j 01:20	3°♑31'46	-1°27'56
minimum elong	-10845 Mar 14 j 01:25	3°♑31'48	1°28'32
max. Earth dist.	-10845 Mar 14 j 08:55	3°♑36'04	6.18219 AU
morning rise	-10845 Mar 27 j 15:57	6°♑36'43	
retrograde	-10845 Jul 29 j 22:24	24°♑59'15	
opposition	-10845 Sep 26 j 22:00	20°♑00'27	-1°43'42
min. Earth dist.	-10845 Sep 26 j 23:12	20°♑00'03	4.22164 AU
direct	-10845 Nov 26 j 09:36	14°♑56'13	
	-10844 Mar 17 j 15:33	0°♒	
evening set	-10844 Apr 03 j 10:22	3°♒40'56	
conjunction	-10844 Apr 16 j 22:16	6°♒42'04	-0°46'15
minimum elong	-10844 Apr 16 j 22:20	6°♒42'07	0°46'46
max. Earth dist.	-10844 Apr 16 j 12:19	6°♒36'30	6.25835 AU
morning rise	-10844 Apr 30 j 07:05	9°♒41'35	
	-10844 May 24 j 16:57	15°♒	
retrograde	-10844 Aug 29 j 23:12	27°♒23'22	
opposition	-10844 Oct 28 j 09:43	22°♒28'13	-0°29'25
min. Earth dist.	-10844 Oct 28 j 20:52	22°♒24'32	4.29048 AU
direct	-10844 Dec 29 j 00:01	17°♒24'15	
asc. node	-10843 Mar 17 j 19:45	25°♒32'05	
	-10843 Apr 09 j 18:15	0°♓	
evening set	-10843 May 06 j 20:26	5°♓49'10	
max. Earth dist.	-10843 May 19 j 00:30	8°♓31'31	6.31524 AU
conjunction	-10843 May 20 j 00:18	8°♓44'47	0°08'57
minimum elong	-10843 May 20 j 00:18	8°♓44'47	0°08'41

Attention, astronomical year style is used: The year -10843 in astronomical counting style is the year 10844 BCE in historical counting style.

behind sun begin	-10843 May 19 j 17:17	8°♓40'53	
behind sun end	-10843 May 20 j 07:18	8°♓48'40	
morning rise	-10843 Jun 02 j 00:42	11°♓38'37	
retrograde	-10843 Sep 30 j 16:07	28°♓58'42	
opposition	-10843 Nov 29 j 17:14	24°♓06'09	0°51'55
min. Earth dist.	-10843 Nov 30 j 12:37	23°♓59'53	4.33116 AU
direct	-10842 Jan 31 j 02:09	19°♓04'08	
	-10842 May 04 j 20:49	0°♈	
evening set	-10842 Jun 07 j 22:33	7°♈14'18	
max. Earth dist.	-10842 Jun 19 j 10:57	9°♈48'15	6.33606 AU
conjunction	-10842 Jun 20 j 16:48	10°♈04'56	1°00'40
minimum elong	-10842 Jun 20 j 16:43	10°♈04'53	1°00'43
morning rise	-10842 Jul 03 j 08:07	12°♈54'07	
	-10842 Oct 19 j 14:19	0°♉	
retrograde	-10842 Nov 01 j 13:41	0°♉15'58	
	-10842 Nov 14 j 13:54	30°℞♈	
opposition	-10841 Jan 01 j 08:28	25°♈24'13	1°57'29
min. Earth dist.	-10841 Jan 02 j 05:00	25°♈17'41	4.33196 AU
direct	-10841 Mar 04 j 19:12	20°♈25'07	
	-10841 May 30 j 04:54	0°♉	
evening set	-10841 Jul 09 j 05:54	8°♉28'34	
conjunction	-10841 Jul 21 j 16:34	11°♉16'31	1°34'39
minimum elong	-10841 Jul 21 j 16:30	11°♉16'29	1°35'01
max. Earth dist.	-10841 Jul 20 j 14:23	11°♉01'45	6.31562 AU
morning rise	-10841 Aug 03 j 01:35	14°♉03'47	
	-10841 Aug 07 j 06:12	15°♉	
	-10841 Oct 30 j 15:45	0°♊	
retrograde	-10841 Dec 04 j 08:45	1°♊48'41	
	-10840 Jan 08 j 09:52	30°℞♉	
opposition	-10840 Feb 03 j 16:47	26°♉55'57	2°29'15
min. Earth dist.	-10840 Feb 04 j 09:25	26°♉50'41	4.29261 AU
direct	-10840 Apr 05 j 15:24	21°♉59'57	
	-10840 Jun 21 j 14:49	0°♊	
evening set	-10840 Aug 08 j 10:56	10°♊04'50	
conjunction	-10840 Aug 20 j 19:32	12°♊54'00	1°41'01
minimum elong	-10840 Aug 20 j 19:34	12°♊54'00	1°41'33
max. Earth dist.	-10840 Aug 20 j 02:18	12°♊44'08	6.25966 AU
morning rise	-10840 Sep 02 j 04:39	15°♊43'30	
	-10840 Nov 13 j 21:18	0°♋	
retrograde	-10839 Jan 06 j 08:25	4°♋06'18	
	-10839 Mar 02 j 11:44	30°℞♊	
opposition	-10839 Mar 08 j 22:30	29°♊10'51	2°16'17
min. Earth dist.	-10839 Mar 09 j 04:44	29°♊08'52	4.22400 AU
direct	-10839 May 08 j 19:43	24°♊17'10	
	-10839 Jul 10 j 16:06	0°♋	
evening set	-10839 Sep 09 j 07:07	12°♋30'52	
conjunction	-10839 Sep 21 j 20:56	15°♋25'21	1°16'15
minimum elong	-10839 Sep 21 j 21:01	15°♋25'24	1°16'50
max. Earth dist.	-10839 Sep 21 j 20:51	15°♋25'18	6.18470 AU
morning rise	-10839 Oct 04 j 12:46	18°♋21'05	
	-10839 Nov 28 j 16:58	0°♌	
retrograde	-10838 Feb 10 j 15:19	7°♌26'48	
opposition	-10838 Apr 12 j 23:56	2°♌27'41	1°18'45
min. Earth dist.	-10838 Apr 12 j 18:24	2°♌29'29	4.14753 AU
	-10838 May 02 j 21:19	30°℞♋	
direct	-10838 Jun 11 j 15:53	27°♋34'51	
	-10838 Jul 20 j 18:22	0°♌	
	-10838 Oct 07 j 22:19	15°♌	
evening set	-10838 Oct 12 j 12:08	16°♌03'36	
conjunction	-10838 Oct 25 j 11:29	19°♌05'26	0°25'49
minimum elong	-10838 Oct 25 j 11:32	19°♌05'27	0°26'15
max. Earth dist.	-10838 Oct 26 j 03:04	19°♌14'33	6.11437 AU
morning rise	-10838 Nov 07 j 14:29	22°♌09'13	
	-10838 Dec 12 j 19:23	0°♍	
retrograde	-10837 Mar 18 j 15:48	11°♍50'03	
desc. node	-10837 Apr 15 j 00:32	10°♍39'44	
opposition	-10837 May 18 j 11:43	6°♍47'18	-0°07'42
min. Earth dist.	-10837 May 17 j 19:00	6°♍52'52	4.08879 AU
direct	-10837 Jul 16 j 02:16	1°♍53'21	
evening set	-10837 Nov 16 j 12:08	20°♍41'02	
conjunction	-10837 Nov 29 j 21:18	23°♍48'57	-0°34'39
minimum elong	-10837 Nov 29 j 21:14	23°♍48'55	0°34'33
max. Earth dist.	-10837 Dec 01 j 02:56	24°♍06'19	6.07283 AU
morning rise	-10837 Dec 13 j 09:45	26°♍58'39	
	-10837 Dec 26 j 13:02	0°♎	
retrograde	-10836 Apr 22 j 21:00	16°♎53'45	
opposition	-10836 Jun 21 j 21:08	11°♎48'56	-1°32'52
min. Earth dist.	-10836 Jun 21 j 00:53	11°♎55'49	4.06913 AU
direct	-10836 Aug 19 j 01:47	6°♎52'15	
evening set	-10836 Dec 22 j 01:10	25°♎56'13	
conjunction	-10835 Jan 04 j 16:07	29°♎06'20	-1°23'04
minimum elong	-10835 Jan 04 j 16:01	29°♎06'16	1°23'18
max. Earth dist.	-10835 Jan 05 j 23:27	29°♎24'34	6.07567 AU
	-10835 Jan 08 j 12:20	0°♏	
morning rise	-10835 Jan 18 j 09:23	2°♏17'31	
	-10835 Mar 19 j 15:25	15°♏	
retrograde	-10835 May 28 j 07:22	21°♏58'32	
opposition	-10835 Jul 26 j 15:40	16°♏53'59	-2°24'02
min. Earth dist.	-10835 Jul 25 j 21:22	17°♏00'15	4.09558 AU
	-10835 Aug 09 j 21:45	15°℞♏	
direct	-10835 Sep 23 j 02:35	11°♏53'51	
	-10835 Nov 06 j 10:17	15°♏	
	-10834 Jan 23 j 11:41	0°♐	
evening set	-10834 Jan 28 j 02:30	1°♐03'06	
conjunction	-10834 Feb 10 j 19:26	4°♐11'49	-1°41'05
minimum elong	-10834 Feb 10 j 19:26	4°♐11'49	1°41'36
max. Earth dist.	-10834 Feb 11 j 17:18	4°♐24'23	6.12220 AU
morning rise	-10834 Feb 24 j 12:36	7°♐20'31	
retrograde	-10834 Jul 01 j 13:29	26°♐23'15	
opposition	-10834 Aug 29 j 12:35	21°♐21'16	-2°23'13
min. Earth dist.	-10834 Aug 29 j 04:10	21°♐24'08	4.15774 AU
direct	-10834 Oct 27 j 22:58	16°♐18'16	
	-10833 Feb 09 j 07:23	0°♑	
evening set	-10833 Mar 05 j 10:03	5°♑18'20	
conjunction	-10833 Mar 19 j 01:49	8°♑23'32	-1°23'30
minimum elong	-10833 Mar 19 j 01:54	8°♑23'35	1°24'06
max. Earth dist.	-10833 Mar 19 j 07:17	8°♑26'38	6.19485 AU
morning rise	-10833 Apr 01 j 15:41	11°♑27'41	
retrograde	-10833 Aug 03 j 10:26	29°♑43'16	
opposition	-10833 Oct 01 j 12:18	24°♑45'03	-1°34'36
min. Earth dist.	-10833 Oct 01 j 14:22	24°♑44'21	4.23349 AU
direct	-10833 Dec 01 j 03:12	19°♑40'47	
	-10832 Feb 28 j 16:36	0°♒	
evening set	-10832 Apr 08 j 05:28	8°♒22'23	
conjunction	-10832 Apr 21 j 16:18	11°♒22'44	-0°38'55
minimum elong	-10832 Apr 21 j 16:22	11°♒22'46	0°39'25
max. Earth dist.	-10832 Apr 21 j 02:55	11°♒15'14	6.26864 AU
morning rise	-10832 May 05 j 00:09	14°♒21'26	
	-10832 May 07 j 21:40	15°♒	
	-10832 Jul 30 j 01:13	0°♓	
retrograde	-10832 Sep 03 j 11:11	1°♓58'46	
	-10832 Oct 08 j 23:20	30°℞♒	
opposition	-10832 Nov 01 j 22:36	27°♒04'07	-0°17'51
min. Earth dist.	-10832 Nov 02 j 12:13	26°♒59'38	4.29835 AU

Attention, astronomical year style is used: The year -10831 in astronomical counting style is the year 10832 BCE in historical counting style.

direct	-10831 Jan 02 j 17:19	22°♒00'21	
asc. node	-10831 Jan 25 j 19:09	22°♒48'35	
	-10831 Mar 21 j 19:43	0°♓	
evening set	-10831 May 11 j 10:16	10°♓22'55	
max. Earth dist.	-10831 May 23 j 11:56	13°♓03'54	6.32004 AU
conjunction	-10831 May 24 j 12:58	13°♓17'50	0°16'46
minimum elong	-10831 May 24 j 12:56	13°♓17'49	0°16'33
morning rise	-10831 Jun 06 j 12:01	16°♓10'57	
	-10831 Aug 17 j 21:58	0°♈	
retrograde	-10831 Oct 05 j 02:10	3°♈30'09	
	-10831 Nov 23 j 11:56	30°℞♓	
opposition	-10831 Dec 04 j 06:36	28°♓37'50	1°02'34
min. Earth dist.	-10831 Dec 05 j 01:56	28°♓31'36	4.33287 AU
direct	-10830 Feb 04 j 15:50	23°♓36'11	
	-10830 Apr 14 j 20:26	0°♈	
evening set	-10830 Jun 12 j 09:17	11°♈45'24	
max. Earth dist.	-10830 Jun 23 j 20:24	14°♈18'50	6.33446 AU
conjunction	-10830 Jun 25 j 02:13	14°♈35'31	1°06'48
minimum elong	-10830 Jun 25 j 02:07	14°♈35'28	1°06'54
morning rise	-10830 Jul 07 j 16:24	17°♈24'17	
	-10830 Sep 09 j 12:12	0°♉	
retrograde	-10830 Nov 06 j 04:09	4°♉48'40	
	-10829 Jan 05 j 14:46	30°℞♈	
opposition	-10829 Jan 06 j 00:17	29°♈56'59	2°04'21
min. Earth dist.	-10829 Jan 06 j 21:25	29°♈50'16	4.32737 AU
direct	-10829 Mar 09 j 10:57	24°♈58'21	
	-10829 May 08 j 17:29	0°♉	
evening set	-10829 Jul 13 j 15:50	13°♉02'04	
	-10829 Jul 22 j 09:16	15°♉	
max. Earth dist.	-10829 Jul 24 j 23:48	15°♉35'19	6.30830 AU
conjunction	-10829 Jul 26 j 01:47	15°♉50'00	1°37'23
minimum elong	-10829 Jul 26 j 01:44	15°♉49'59	1°37'46
morning rise	-10829 Aug 07 j 10:31	18°♉37'24	
	-10829 Oct 01 j 23:45	0°♊	
retrograde	-10829 Dec 09 j 02:06	6°♊27'19	
opposition	-10828 Feb 08 j 11:46	1°♊34'17	2°30'15
min. Earth dist.	-10828 Feb 09 j 02:26	1°♊29'38	4.28345 AU
	-10828 Feb 21 j 02:53	30°℞♉	
direct	-10828 Apr 10 j 06:21	26°♉38'41	
	-10828 May 28 j 06:19	0°♊	
evening set	-10828 Aug 12 j 22:11	14°♊44'42	
conjunction	-10828 Aug 25 j 07:14	17°♊34'25	1°39'22
minimum elong	-10828 Aug 25 j 07:16	17°♊34'27	1°39'56
max. Earth dist.	-10828 Aug 24 j 17:42	17°♊26'40	6.24964 AU
morning rise	-10828 Sep 06 j 16:46	20°♊24'34	
	-10828 Oct 21 j 14:06	0°♋	
retrograde	-10827 Jan 11 j 07:51	8°♋53'16	
opposition	-10827 Mar 13 j 20:53	3°♋57'23	2°10'38
min. Earth dist.	-10827 Mar 14 j 01:53	3°♋55'47	4.21388 AU
	-10827 Apr 19 j 02:06	30°℞♊	
direct	-10827 May 13 j 14:39	29°♊03'57	
	-10827 Jun 06 j 23:03	0°♋	
evening set	-10827 Sep 13 j 21:51	17°♋18'58	
conjunction	-10827 Sep 26 j 12:39	20°♋14'19	1°10'24
minimum elong	-10827 Sep 26 j 12:44	20°♋14'22	1°10'59
max. Earth dist.	-10827 Sep 26 j 14:09	20°♋15'12	6.17552 AU
morning rise	-10827 Oct 09 j 06:02	23°♋11'06	
	-10827 Nov 08 j 20:33	0°♌	
retrograde	-10826 Feb 15 j 15:11	12°♌21'43	
opposition	-10826 Apr 17 j 23:49	7°♌21'59	1°07'42
min. Earth dist.	-10826 Apr 17 j 15:31	7°♌24'41	4.13996 AU
direct	-10826 Jun 16 j 11:15	2°♌29'05	
	-10826 Sep 20 j 20:21	15°♌	
evening set	-10826 Oct 17 j 07:43	20°♌59'19	
conjunction	-10826 Oct 30 j 08:38	24°♌02'01	0°17'27
minimum elong	-10826 Oct 30 j 08:39	24°♌02'02	0°17'51
max. Earth dist.	-10826 Oct 31 j 04:01	24°♌13'22	6.10924 AU
morning rise	-10826 Nov 12 j 12:54	27°♌06'37	
	-10826 Nov 25 j 02:43	0°♍	
desc. node	-10825 Feb 22 j 22:21	15°♍32'39	
retrograde	-10825 Mar 23 j 18:14	16°♍49'38	
opposition	-10825 May 23 j 11:06	11°♍46'28	-0°20'29
min. Earth dist.	-10825 May 22 j 18:19	11°♍52'03	4.08647 AU
direct	-10825 Jul 21 j 00:43	6°♍52'10	
evening set	-10825 Nov 21 j 12:40	25°♍41'12	
conjunction	-10825 Dec 04 j 22:42	28°♍49'28	-0°42'37
minimum elong	-10825 Dec 04 j 22:38	28°♍49'25	0°42'33
max. Earth dist.	-10825 Dec 06 j 04:16	29°♍06'47	6.07330 AU
	-10825 Dec 09 j 23:14	0°♎	
morning rise	-10825 Dec 18 j 12:13	1°♎59'31	
retrograde	-10824 Apr 27 j 19:13	21°♎53'10	
opposition	-10824 Jun 26 j 18:01	16°♎48'13	-1°42'35
min. Earth dist.	-10824 Jun 25 j 20:59	16°♎55'22	4.07251 AU
direct	-10824 Aug 23 j 22:03	11°♎51'01	
	-10824 Dec 23 j 03:26	0°♏	
evening set	-10824 Dec 27 j 03:59	0°♏55'38	
conjunction	-10823 Jan 09 j 19:25	4°♏05'37	-1°27'38
minimum elong	-10823 Jan 09 j 19:20	4°♏05'34	1°27'55
max. Earth dist.	-10823 Jan 11 j 01:39	4°♏23'12	6.08140 AU
morning rise	-10823 Jan 23 j 12:48	7°♏16'33	
	-10823 Feb 27 j 07:48	15°♏	
retrograde	-10823 Jun 02 j 03:12	26°♏53'05	
opposition	-10823 Jul 31 j 09:27	21°♏48'44	-2°27'07
min. Earth dist.	-10823 Jul 30 j 17:19	21°♏54'16	4.10300 AU
direct	-10823 Sep 27 j 23:45	16°♏48'07	
	-10822 Jan 06 j 10:38	0°♐	
evening set	-10822 Feb 02 j 04:15	5°♐56'47	
conjunction	-10822 Feb 15 j 21:18	9°♐05'09	-1°40'42
minimum elong	-10822 Feb 15 j 21:19	9°♐05'10	1°41'14
max. Earth dist.	-10822 Feb 16 j 17:22	9°♐16'40	6.13064 AU
morning rise	-10822 Mar 01 j 14:09	12°♐13'21	
	-10822 Jun 09 j 10:50	0°♑	
retrograde	-10822 Jul 06 j 03:53	1°♑10'04	
	-10822 Aug 01 j 15:47	30°℞♐	
opposition	-10822 Sep 03 j 03:10	26°♐08'35	-2°19'01
min. Earth dist.	-10822 Sep 02 j 19:40	26°♐11'08	4.16644 AU
direct	-10822 Nov 01 j 15:58	21°♐05'19	
	-10821 Jan 21 j 16:17	0°♑	
evening set	-10821 Mar 10 j 08:16	10°♑03'57	
conjunction	-10821 Mar 23 j 23:30	13°♑08'39	-1°18'37
minimum elong	-10821 Mar 23 j 23:35	13°♑08'42	1°19'12
max. Earth dist.	-10821 Mar 24 j 00:37	13°♑09'16	6.20321 AU
morning rise	-10821 Apr 06 j 12:55	16°♑12'14	
	-10821 Jun 15 j 08:08	0°♒	
retrograde	-10821 Aug 07 j 23:44	4°♒22'43	
	-10821 Oct 01 j 16:50	30°℞♑	
opposition	-10821 Oct 06 j 01:28	29°♑25'02	-1°25'04
min. Earth dist.	-10821 Oct 06 j 06:08	29°♑23'28	4.24066 AU
direct	-10821 Dec 05 j 21:12	24°♑20'43	
	-10820 Feb 07 j 13:25	0°♒	
evening set	-10820 Apr 12 j 22:55	13°♒00'41	
	-10820 Apr 21 j 20:57	15°♒	
conjunction	-10820 Apr 26 j 09:04	16°♒00'30	-0°31'25

Attention, astronomical year style is used: The year -10820 in astronomical counting style is the year 10821 BCE in historical counting style.

minimum elong	-10820 Apr 26 j 09:07	16°♒00'31	0°31'52	
max. Earth dist.	-10820 Apr 25 j 18:47	15°♒52'30	6.27432 AU	
morning rise	-10820 May 09 j 15:46	18°♒58'33		
	-10820 Jul 02 j 14:40	0°♓		
retrograde	-10820 Sep 07 j 21:40	6°♓33'13		
opposition	-10820 Nov 06 j 11:42	1°♓38'59	-0°06'14	
min. Earth dist.	-10820 Nov 07 j 01:25	1°♓34'29	4.30219 AU	
	-10820 Nov 19 j 07:43	30°♑℞♒		
asc. node	-10820 Dec 06 j 01:25	28°♒09'26		
direct	-10819 Jan 07 j 07:53	26°♒35'30		
	-10819 Feb 25 j 08:23	0°♓		
evening set	-10819 May 16 j 00:14	14°♓56'51		
max. Earth dist.	-10819 May 27 j 22:38	17°♓36'09	6.32186 AU	
conjunction	-10819 May 29 j 01:28	17°♓51'07	0°24'31	
minimum elong	-10819 May 29 j 01:26	17°♓51'06	0°24'20	
morning rise	-10819 Jun 10 j 23:24	20°♓43'40		
	-10819 Jul 25 j 12:45	0°♈		
retrograde	-10819 Oct 09 j 15:53	8°♈03'02		
opposition	-10819 Dec 08 j 21:19	3°♈10'57	1°12'55	
min. Earth dist.	-10819 Dec 09 j 17:49	3°♈04'22	4.33267 AU	
	-10818 Jan 04 j 19:21	30°♑℞♓		
direct	-10818 Feb 09 j 08:23	28°♓09'42		
	-10818 Mar 16 j 21:54	0°♈		
evening set	-10818 Jun 16 j 20:39	16°♈18'13		
max. Earth dist.	-10818 Jun 28 j 07:38	18°♈51'45	6.33217 AU	
conjunction	-10818 Jun 29 j 12:29	19°♈07'55	1°12'35	
minimum elong	-10818 Jun 29 j 12:24	19°♈07'52	1°12'44	
morning rise	-10818 Jul 12 j 01:34	21°♈56'19		
	-10818 Aug 19 j 02:38	0°♉		
retrograde	-10818 Nov 10 j 18:02	9°♉23'21		
opposition	-10817 Jan 10 j 17:17	4°♉31'34	2°10'31	
min. Earth dist.	-10817 Jan 11 j 12:36	4°♉25'26	4.32342 AU	
	-10817 Feb 24 j 22:36	30°♑℞♈		
direct	-10817 Mar 14 j 01:20	29°♈33'24		
	-10817 Mar 31 j 06:00	0°♉		
	-10817 Jul 06 j 07:51	15°♉		
evening set	-10817 Jul 18 j 02:10	17°♉36'50		
max. Earth dist.	-10817 Jul 29 j 11:43	20°♉11'13	6.30284 AU	
conjunction	-10817 Jul 30 j 11:32	20°♉24'42	1°39'31	
minimum elong	-10817 Jul 30 j 11:29	20°♉24'41	1°39'57	
morning rise	-10817 Aug 11 j 19:53	23°♉12'10		
	-10817 Sep 12 j 04:03	0°♊		
retrograde	-10817 Dec 13 j 21:43	11°♊06'26		
opposition	-10816 Feb 13 j 07:37	6°♊13'07	2°30'18	
min. Earth dist.	-10816 Feb 13 j 21:46	6°♊08'38	4.27665 AU	
direct	-10816 Apr 15 j 00:14	1°♊17'54		
evening set	-10816 Aug 17 j 09:17	19°♊24'01		
conjunction	-10816 Aug 29 j 18:40	22°♊14'12	1°37'05	
minimum elong	-10816 Aug 29 j 18:43	22°♊14'14	1°37'41	
max. Earth dist.	-10816 Aug 29 j 06:27	22°♊07'12	6.24191 AU	
morning rise	-10816 Sep 11 j 04:59	25°♊04'59		
	-10816 Oct 03 j 06:05	0°♋		
retrograde	-10815 Jan 16 j 04:07	13°♋38'47		
opposition	-10815 Mar 18 j 18:31	8°♋42'21	2°04'08	
min. Earth dist.	-10815 Mar 18 j 20:48	8°♋41'37	4.20565 AU	
direct	-10815 May 18 j 07:15	3°♋49'07		
evening set	-10815 Sep 18 j 12:04	22°♋05'07		
conjunction	-10815 Oct 01 j 04:09	25°♋01'22	1°04'08	
minimum elong	-10815 Oct 01 j 04:14	25°♋01'25	1°04'41	
max. Earth dist.	-10815 Oct 01 j 08:58	25°♋04'10	6.16757 AU	
morning rise	-10815 Oct 13 j 22:46	27°♋59'06		
	-10815 Oct 22 j 17:55	0°♌		
	-10814 Jan 12 j 22:06	15°♌		
retrograde	-10814 Feb 20 j 16:19	17°♌14'18		
	-10814 Mar 31 j 10:30	15°♑℞♌		
opposition	-10814 Apr 22 j 22:38	12°♌14'04	0°56'16	
min. Earth dist.	-10814 Apr 22 j 13:56	12°♌16'55	4.13270 AU	
direct	-10814 Jun 21 j 07:51	7°♌21'06		
	-10814 Sep 01 j 15:57	15°♌		
evening set	-10814 Oct 22 j 02:57	25°♌53'13		
conjunction	-10814 Nov 04 j 05:09	28°♌56'47	0°09'02	
minimum elong	-10814 Nov 04 j 05:09	28°♌56'47	0°09'24	
behind sun begin	-10814 Nov 03 j 22:18	28°♌52'48		
behind sun end	-10814 Nov 04 j 12:00	29°♌00'46		
max. Earth dist.	-10814 Nov 05 j 01:18	29°♌08'34	6.10335 AU	
	-10814 Nov 08 j 17:12	0°♍		
morning rise	-10814 Nov 17 j 11:01	2°♍02'19		
desc. node	-10813 Jan 02 j 17:45	12°♍08'39		
retrograde	-10813 Mar 28 j 18:17	21°♍47'54		
opposition	-10813 May 28 j 09:32	16°♍44'24	-0°33'04	
min. Earth dist.	-10813 May 27 j 15:10	16°♍50'32	4.08266 AU	
direct	-10813 Jul 25 j 20:07	11°♍49'47		
	-10813 Nov 23 j 14:14	0°♎		
evening set	-10813 Nov 26 j 13:13	0°♎41'12		
conjunction	-10813 Dec 10 j 00:16	3°♎49'56	-0°50'16	
minimum elong	-10813 Dec 10 j 00:11	3°♎49'53	0°50'14	
max. Earth dist.	-10813 Dec 11 j 06:27	4°♎07'36	6.07176 AU	
morning rise	-10813 Dec 23 j 14:31	7°♎00'21		
retrograde	-10812 May 02 j 19:27	26°♎53'32		
opposition	-10812 Jul 01 j 14:55	21°♎48'31	-1°51'35	
min. Earth dist.	-10812 Jun 30 j 19:06	21°♎55'16	4.07348 AU	
direct	-10812 Aug 28 j 20:01	16°♎50'49		
	-10812 Dec 05 j 21:30	0°♏		
evening set	-10811 Jan 01 j 07:48	5°♏57'10		
conjunction	-10811 Jan 14 j 23:43	9°♏07'12	-1°31'35	
minimum elong	-10811 Jan 14 j 23:38	9°♏07'09	1°31'55	
max. Earth dist.	-10811 Jan 16 j 05:35	9°♏24'32	6.08463 AU	
morning rise	-10811 Jan 28 j 17:14	12°♏17'59		
	-10811 Feb 09 j 13:10	15°♏		
	-10811 May 03 j 23:42	0°♐		
retrograde	-10811 Jun 06 j 23:05	1°♐50'40		
	-10811 Jul 10 j 13:50	30°♑℞♏		
opposition	-10811 Aug 05 j 03:48	26°♏46'38	-2°29'12	
min. Earth dist.	-10811 Aug 04 j 12:18	26°♏51'56	4.10837 AU	
direct	-10811 Oct 02 j 19:14	21°♏45'34		
	-10811 Dec 18 j 00:31	0°♐		
evening set	-10810 Feb 07 j 07:34	10°♐54'27		
conjunction	-10810 Feb 21 j 00:28	14°♐02'30	-1°39'35	
minimum elong	-10810 Feb 21 j 00:29	14°♐02'31	1°40'09	
max. Earth dist.	-10810 Feb 21 j 16:42	14°♐11'48	6.13748 AU	
morning rise	-10810 Mar 06 j 17:12	17°♐10'18		
	-10810 May 08 j 00:50	0°♑		
retrograde	-10810 Jul 10 j 20:52	6°♑01'33		
opposition	-10810 Sep 07 j 19:31	1°♑00'32	-2°13'49	
min. Earth dist.	-10810 Sep 07 j 14:16	1°♑02'19	4.17395 AU	
	-10810 Sep 15 j 06:40	30°♑℞♐		
direct	-10810 Nov 06 j 13:16	25°♐56'58		
	-10810 Dec 28 j 19:11	0°♑		
evening set	-10809 Mar 15 j 07:43	14°♑54'18		
conjunction	-10809 Mar 28 j 22:42	17°♑58'33	-1°13'06	
minimum elong	-10809 Mar 28 j 22:47	17°♑58'36	1°13'42	
max. Earth dist.	-10809 Mar 28 j 22:52	17°♑58'39	6.21104 AU	
morning rise	-10809 Apr 11 j 11:16	21°♑01'32		
	-10809 May 23 j 16:35	0°♒		

Attention, astronomical year style is used: The year -10809 in astronomical counting style is the year 10810 BCE in historical counting style.

retrograde	-10809 Aug 12 j 13:34	9°♒07'00	
opposition	-10809 Oct 10 j 16:21	4°♒09'52	-1°14'50
min. Earth dist.	-10809 Oct 10 j 21:47	4°♒08'03	4.24804 AU
	-10809 Nov 16 j 14:48	30°℞♑	
direct	-10809 Dec 10 j 15:01	29°♑05'35	
	-10808 Jan 03 j 22:38	0°♒	
	-10808 Apr 05 j 08:12	15°♒	
evening set	-10808 Apr 17 j 18:05	17°♒43'37	
max. Earth dist.	-10808 Apr 30 j 09:43	20°♒33'03	6.28087 AU
conjunction	-10808 May 01 j 03:03	20°♒42'44	-0°23'35
minimum elong	-10808 May 01 j 03:05	20°♒42'45	0°24'00
morning rise	-10808 May 14 j 08:49	23°♒40'07	
	-10808 Jun 12 j 18:48	0°♓	
retrograde	-10808 Sep 12 j 11:25	11°♓11'46	
asc. node	-10808 Oct 15 j 13:50	9°♓28'26	
opposition	-10808 Nov 11 j 02:29	6°♓17'55	0°05'34
min. Earth dist.	-10808 Nov 11 j 17:47	6°♓12'55	4.30756 AU
direct	-10807 Jan 12 j 02:04	1°♓14'38	
evening set	-10807 May 20 j 14:56	19°♓33'58	
conjunction	-10807 Jun 02 j 14:58	22°♓27'32	0°32'11
minimum elong	-10807 Jun 02 j 14:55	22°♓27'30	0°32'03
max. Earth dist.	-10807 Jun 01 j 13:16	22°♓13'11	6.32579 AU
morning rise	-10807 Jun 15 j 11:25	25°♓19'20	
	-10807 Jul 07 j 00:35	0°♈	
retrograde	-10807 Oct 14 j 04:01	12°♈38'08	
opposition	-10807 Dec 13 j 12:54	7°♈46'10	1°22'50
min. Earth dist.	-10807 Dec 14 j 08:25	7°♈39'55	4.33513 AU
direct	-10806 Feb 13 j 23:40	2°♈45'22	
evening set	-10806 Jun 21 j 08:05	20°♈51'58	
conjunction	-10806 Jul 03 j 22:32	23°♈41'03	1°17'55
minimum elong	-10806 Jul 03 j 22:27	23°♈41'00	1°18'06
max. Earth dist.	-10806 Jul 02 j 17:42	23°♈24'53	6.33280 AU
morning rise	-10806 Jul 16 j 10:42	26°♈29'00	
	-10806 Aug 01 j 10:52	0°♉	
retrograde	-10806 Nov 15 j 09:52	13°♉57'46	
opposition	-10805 Jan 15 j 10:27	9°♉05'50	2°15'48
min. Earth dist.	-10805 Jan 16 j 05:57	8°♉59'39	4.32219 AU
direct	-10805 Mar 18 j 18:21	4°♉08'04	
	-10805 Jun 19 j 05:39	15°♉	
evening set	-10805 Jul 22 j 11:45	22°♉10'06	
conjunction	-10805 Aug 03 j 20:43	24°♉57'52	1°41'01
minimum elong	-10805 Aug 03 j 20:41	24°♉57'51	1°41'28
max. Earth dist.	-10805 Aug 02 j 22:39	24°♉45'22	6.29968 AU
morning rise	-10805 Aug 16 j 04:49	27°♉45'20	
	-10805 Aug 26 j 05:54	0°♊	
retrograde	-10805 Dec 18 j 13:28	15°♊43'04	
opposition	-10804 Feb 18 j 02:02	10°♊49'20	2°29'20
min. Earth dist.	-10804 Feb 18 j 13:58	10°♊45'33	4.27181 AU
direct	-10804 Apr 19 j 14:56	5°♊54'27	
evening set	-10804 Aug 21 j 19:20	24°♊00'08	
conjunction	-10804 Sep 03 j 05:11	26°♊50'46	1°34'12
minimum elong	-10804 Sep 03 j 05:15	26°♊50'48	1°34'48
max. Earth dist.	-10804 Sep 02 j 19:06	26°♊44'58	6.23573 AU
morning rise	-10804 Sep 15 j 16:13	29°♊42'09	
	-10804 Sep 16 j 23:32	0°♋	
retrograde	-10803 Jan 21 j 01:13	18°♋20'27	
opposition	-10803 Mar 23 j 14:39	13°♋23'31	1°56'51
min. Earth dist.	-10803 Mar 23 j 16:35	13°♋22'54	4.19820 AU
direct	-10803 May 23 j 01:03	8°♋30'23	
evening set	-10803 Sep 23 j 01:00	26°♋47'16	
conjunction	-10803 Oct 05 j 18:19	29°♋44'24	0°57'30
minimum elong	-10803 Oct 05 j 18:24	29°♋44'27	0°58'03
max. Earth dist.	-10803 Oct 06 j 00:20	29°♋47'54	6.15967 AU
	-10803 Oct 06 j 21:09	0°♌	
morning rise	-10803 Oct 18 j 14:30	2°♌43'09	
	-10803 Dec 16 j 00:25	15°♌	
retrograde	-10802 Feb 25 j 13:49	22°♌02'48	
opposition	-10802 Apr 27 j 19:34	17°♌02'06	0°44'36
min. Earth dist.	-10802 Apr 27 j 09:02	17°♌05'33	4.12489 AU
	-10802 May 13 j 20:34	15°℞♌	
direct	-10802 Jun 26 j 00:25	12°♌09'01	
	-10802 Aug 07 j 09:27	15°♌	
	-10802 Oct 23 j 18:20	0°♍	
evening set	-10802 Oct 26 j 21:28	0°♍43'36	
conjunction	-10802 Nov 09 j 01:05	3°♍48'05	0°00'38
minimum elong	-10802 Nov 09 j 01:03	3°♍48'05	0°00'57
behind sun begin	-10802 Nov 08 j 16:51	3°♍43'18	
behind sun end	-10802 Nov 09 j 09:16	3°♍52'51	
max. Earth dist.	-10802 Nov 09 j 22:27	4°♍00'36	6.09641 AU
desc. node	-10802 Nov 13 j 00:58	4°♍44'15	
morning rise	-10802 Nov 22 j 08:16	6°♍54'31	
retrograde	-10801 Apr 02 j 18:56	26°♍43'10	
opposition	-10801 Jun 02 j 06:38	21°♍39'20	-0°45'17
min. Earth dist.	-10801 Jun 01 j 12:42	21°♍45'22	4.07715 AU
direct	-10801 Jul 30 j 16:12	16°♍44'20	
	-10801 Nov 06 j 17:01	0°♎	
evening set	-10801 Dec 01 j 13:46	5°♎39'08	
conjunction	-10801 Dec 15 j 01:51	8°♎48'27	-0°57'28
minimum elong	-10801 Dec 15 j 01:46	8°♎48'24	0°57'30
max. Earth dist.	-10801 Dec 16 j 08:47	9°♎06'33	6.06826 AU
morning rise	-10801 Dec 28 j 16:56	11°♎59'21	
	-10800 Apr 03 j 05:26	0°♏	
retrograde	-10800 May 07 j 18:37	1°♏52'34	
	-10800 Jun 10 j 22:33	30°℞♎	
opposition	-10800 Jul 06 j 11:19	26°♎47'37	-1°59'42
min. Earth dist.	-10800 Jul 05 j 15:32	26°♎54'21	4.07267 AU
direct	-10800 Sep 02 j 15:30	21°♎49'30	
	-10800 Nov 16 j 13:45	0°♏	
evening set	-10799 Jan 06 j 12:06	10°♏58'28	
conjunction	-10799 Jan 20 j 04:19	14°♏08'33	-1°34'49
minimum elong	-10799 Jan 20 j 04:15	14°♏08'31	1°35'11
max. Earth dist.	-10799 Jan 21 j 07:42	14°♏24'26	6.08642 AU
	-10799 Jan 23 j 21:02	15°♏	
morning rise	-10799 Feb 02 j 22:10	17°♏19'20	
	-10799 Apr 04 j 06:56	0°♐	
retrograde	-10799 Jun 11 j 19:31	6°♐48'44	
opposition	-10799 Aug 09 j 22:44	1°♐45'00	-2°30'09
min. Earth dist.	-10799 Aug 09 j 08:27	1°♐49'54	4.11267 AU
	-10799 Aug 23 j 00:13	30°℞♏	
direct	-10799 Oct 07 j 17:20	26°♏43'32	
	-10799 Nov 22 j 13:51	0°♐	
evening set	-10798 Feb 12 j 11:17	15°♐52'51	
conjunction	-10798 Feb 26 j 04:22	19°♐00'41	-1°37'42
minimum elong	-10798 Feb 26 j 04:24	19°♐00'43	1°38'16
max. Earth dist.	-10798 Feb 26 j 20:13	19°♐09'45	6.14418 AU
morning rise	-10798 Mar 11 j 20:37	22°♐08'01	
	-10798 Apr 16 j 22:37	0°♑	
retrograde	-10798 Jul 15 j 14:45	10°♑53'41	
opposition	-10798 Sep 12 j 12:23	5°♑53'13	-2°07'37
min. Earth dist.	-10798 Sep 12 j 08:12	5°♑54'39	4.18234 AU
direct	-10798 Nov 11 j 09:36	0°♑49'30	
evening set	-10797 Mar 20 j 07:36	19°♑45'01	
conjunction	-10797 Apr 02 j 21:54	22°♑48'40	-1°07'04

Attention, astronomical year style is used: The year -10797 in astronomical counting style is the year 10798 BCE in historical counting style.

minimum elong	-10797 Apr 02 j 22:00	22°♑48'43	1°07'38
max. Earth dist.	-10797 Apr 02 j 18:53	22°♑46'58	6.22049 AU
morning rise	-10797 Apr 16 j 09:54	25°♑51'00	
	-10797 May 05 j 05:57	0°♒	
retrograde	-10797 Aug 17 j 03:22	13°♒50'54	
opposition	-10797 Oct 15 j 07:28	8°♒54'13	-1°04'05
min. Earth dist.	-10797 Oct 15 j 14:16	8°♒51'57	4.25755 AU
direct	-10797 Dec 15 j 10:13	3°♒49'56	
	-10796 Mar 18 j 16:07	15°♒	
evening set	-10796 Apr 22 j 12:10	22°♒25'02	
conjunction	-10796 May 05 j 20:08	25°♒23'21	-0°15'38
minimum elong	-10796 May 05 j 20:10	25°♒23'22	0°16'01
max. Earth dist.	-10796 May 05 j 02:43	25°♒13'37	6.28976 AU
morning rise	-10796 May 19 j 00:34	28°♒19'52	
	-10796 May 26 j 14:01	0°♓	
asc. node	-10796 Aug 24 j 18:02	14°♓56'08	
retrograde	-10796 Sep 16 j 23:11	15°♓47'59	
opposition	-10796 Nov 15 j 16:39	10°♓54'29	0°17'17
min. Earth dist.	-10796 Nov 16 j 08:22	10°♓49'21	4.31484 AU
direct	-10795 Jan 16 j 18:20	5°♓51'30	
evening set	-10795 May 25 j 04:06	24°♓08'05	
max. Earth dist.	-10795 Jun 05 j 22:45	26°♓45'17	6.33054 AU
conjunction	-10795 Jun 07 j 02:35	27°♓00'48	0°39'36
minimum elong	-10795 Jun 07 j 02:31	27°♓00'46	0°39'31
morning rise	-10795 Jun 19 j 21:52	29°♓51'53	
	-10795 Jun 20 j 12:30	0°♈	
retrograde	-10795 Oct 18 j 16:44	17°♈10'19	
opposition	-10795 Dec 18 j 03:29	12°♈18'26	1°32'12
min. Earth dist.	-10795 Dec 18 j 23:55	12°♈11'53	4.33701 AU
direct	-10794 Feb 18 j 15:10	7°♈17'58	
evening set	-10794 Jun 25 j 17:57	25°♈23'04	
max. Earth dist.	-10794 Jul 07 j 04:02	27°♈56'20	6.33143 AU
conjunction	-10794 Jul 08 j 07:27	28°♈11'44	1°22'46
minimum elong	-10794 Jul 08 j 07:23	28°♈11'41	1°23'00
	-10794 Jul 16 j 08:28	0°♉	
morning rise	-10794 Jul 20 j 18:33	0°♉59'18	
	-10794 Oct 02 j 01:50	15°♉	
retrograde	-10794 Nov 19 j 23:23	18°♉30'48	
	-10793 Jan 09 j 06:33	15°℞♉	
opposition	-10793 Jan 20 j 02:44	13°♉38'43	2°20'20
min. Earth dist.	-10793 Jan 20 j 21:05	13°♉32'54	4.31778 AU
direct	-10793 Mar 23 j 08:22	8°♉41'24	
	-10793 May 30 j 07:51	15°♉	
evening set	-10793 Jul 26 j 20:56	26°♉43'21	
max. Earth dist.	-10793 Aug 07 j 07:35	29°♉18'49	6.29234 AU
conjunction	-10793 Aug 08 j 05:28	29°♉31'15	1°41'57
minimum elong	-10793 Aug 08 j 05:27	29°♉31'14	1°42'26
	-10793 Aug 10 j 08:07	0°♊	
morning rise	-10793 Aug 20 j 13:38	2°♊19'01	
retrograde	-10793 Dec 23 j 08:47	20°♊22'01	
opposition	-10792 Feb 22 j 21:27	15°♊27'53	2°27'33
min. Earth dist.	-10792 Feb 23 j 08:59	15°♊24'13	4.26189 AU
direct	-10792 Apr 24 j 07:51	10°♊33'16	
evening set	-10792 Aug 26 j 06:29	28°♊40'20	
	-10792 Sep 01 j 01:34	0°♋	
conjunction	-10792 Sep 07 j 17:09	1°♋31'47	1°30'43
minimum elong	-10792 Sep 07 j 17:13	1°♋31'50	1°31'18
max. Earth dist.	-10792 Sep 07 j 09:10	1°♋27'11	6.22416 AU
morning rise	-10792 Sep 20 j 05:08	4°♋24'06	
retrograde	-10791 Jan 25 j 23:08	23°♋08'49	
opposition	-10791 Mar 28 j 12:55	18°♋11'23	1°48'43
min. Earth dist.	-10791 Mar 28 j 12:38	18°♋11'29	4.18582 AU
direct	-10791 May 27 j 18:27	13°♋18'23	
	-10791 Sep 20 j 15:00	0°♌	
evening set	-10791 Sep 27 j 17:25	1°♌38'02	
conjunction	-10791 Oct 10 j 12:05	4°♌36'18	0°50'19
minimum elong	-10791 Oct 10 j 12:09	4°♌36'21	0°50'51
max. Earth dist.	-10791 Oct 10 j 19:59	4°♌40'54	6.14764 AU
morning rise	-10791 Oct 23 j 09:49	7°♌36'17	
	-10791 Nov 25 j 15:14	15°♌	
retrograde	-10790 Mar 02 j 17:24	27°♌01'50	
opposition	-10790 May 02 j 20:10	22°♌00'37	0°32'13
min. Earth dist.	-10790 May 02 j 08:39	22°♌04'24	4.11409 AU
direct	-10790 Jun 30 j 22:01	17°♌07'20	
desc. node	-10790 Sep 21 j 20:13	26°♌53'40	
	-10790 Oct 06 j 12:10	0°♍	
evening set	-10790 Oct 31 j 20:39	5°♍45'33	
conjunction	-10790 Nov 14 j 01:45	8°♍51'03	-0°08'09
minimum elong	-10790 Nov 14 j 01:44	8°♍51'02	0°07'53
behind sun begin	-10790 Nov 13 j 18:21	8°♍46'44	
behind sun end	-10790 Nov 14 j 09:06	8°♍55'20	
max. Earth dist.	-10790 Nov 15 j 01:44	9°♍05'06	6.08804 AU
morning rise	-10790 Nov 27 j 10:22	11°♍58'29	
	-10789 Mar 04 j 10:52	0°♎	
retrograde	-10789 Apr 07 j 23:19	1°♎50'09	
	-10789 May 12 j 03:57	30°℞♍	
opposition	-10789 Jun 07 j 07:57	26°♍46'05	-0°57'37
min. Earth dist.	-10789 Jun 06 j 12:52	26°♍52'30	4.07246 AU
direct	-10789 Aug 04 j 14:34	21°♍50'48	
	-10789 Oct 18 j 01:13	0°♎	
evening set	-10789 Dec 06 j 19:12	10°♎48'33	
conjunction	-10789 Dec 20 j 08:00	13°♎58'13	-1°04'30
minimum elong	-10789 Dec 20 j 07:54	13°♎58'09	1°04'36
max. Earth dist.	-10789 Dec 21 j 14:43	14°♎16'11	6.06768 AU
morning rise	-10788 Jan 02 j 23:52	17°♎09'23	
	-10788 Mar 03 j 17:24	0°♏	
retrograde	-10788 May 12 j 19:42	7°♏00'54	
opposition	-10788 Jul 11 j 10:55	1°♏55'56	-2°07'10
min. Earth dist.	-10788 Jul 10 j 14:51	2°♏02'48	4.07681 AU
	-10788 Jul 26 j 00:14	30°℞♎	
direct	-10788 Sep 07 j 16:31	26°♎57'22	
	-10788 Oct 21 j 07:02	0°♏	
	-10787 Jan 06 j 23:05	15°♏	
evening set	-10787 Jan 11 j 19:22	16°♏06'41	
conjunction	-10787 Jan 25 j 11:59	19°♏16'29	-1°37'26
minimum elong	-10787 Jan 25 j 11:55	19°♏16'27	1°37'51
max. Earth dist.	-10787 Jan 26 j 16:31	19°♏33'00	6.09515 AU
morning rise	-10787 Feb 08 j 05:33	22°♏26'44	
	-10787 Mar 14 j 08:52	0°♐	
retrograde	-10787 Jun 16 j 17:13	11°♐49'26	
opposition	-10787 Aug 14 j 18:32	6°♐46'05	-2°29'59
min. Earth dist.	-10787 Aug 14 j 05:17	6°♐50'37	4.12532 AU
direct	-10787 Oct 12 j 17:01	1°♐44'15	
evening set	-10786 Feb 17 j 14:50	20°♐50'27	
conjunction	-10786 Mar 03 j 07:30	23°♐57'29	-1°35'10
minimum elong	-10786 Mar 03 j 07:33	23°♐57'31	1°35'45
max. Earth dist.	-10786 Mar 03 j 20:35	24°♐04'56	6.15957 AU
morning rise	-10786 Mar 16 j 23:22	27°♐03'55	
	-10786 Mar 30 j 01:42	0°♑	
retrograde	-10786 Jul 20 j 03:55	15°♑40'44	
opposition	-10786 Sep 17 j 03:28	10°♑40'44	-2°00'36
min. Earth dist.	-10786 Sep 17 j 00:23	10°♑41'46	4.19893 AU
direct	-10786 Nov 16 j 05:29	5°♑36'46	
evening set	-10785 Mar 25 j 03:44	24°♑27'17	

Attention, astronomical year style is used: The year -10785 in astronomical counting style is the year 10786 BCE in historical counting style.

conjunction	-10785 Apr 07 j 17:18	27°♑29'56	-1°00'46
minimum elong	-10785 Apr 07 j 17:23	27°♑29'59	1°01'19
max. Earth dist.	-10785 Apr 07 j 12:33	27°♑27'16	6.23711 AU
	-10785 Apr 18 j 20:29	0°♒	
morning rise	-10785 Apr 21 j 04:12	0°♒31'09	
	-10785 Jul 05 j 15:34	15°♒	
retrograde	-10785 Aug 21 j 13:04	18°♒23'29	
	-10785 Oct 07 j 22:15	15°℞♒	
opposition	-10785 Oct 19 j 18:36	13°♒27'19	-0°53'20
min. Earth dist.	-10785 Oct 20 j 03:25	13°♒24'24	4.27253 AU
direct	-10785 Dec 20 j 01:59	8°♒23'06	
	-10784 Feb 28 j 00:07	15°♒	
evening set	-10784 Apr 27 j 01:06	26°♒53'27	
max. Earth dist.	-10784 May 09 j 11:05	29°♒39'14	6.30179 AU
conjunction	-10784 May 10 j 07:47	29°♒50'46	-0°07'57
minimum elong	-10784 May 10 j 07:47	29°♒50'47	0°08'19
behind sun begin	-10784 May 10 j 00:37	29°♒46'48	
behind sun end	-10784 May 10 j 14:57	29°♒54'45	
	-10784 May 11 j 00:20	0°♓	
morning rise	-10784 May 23 j 11:00	2°♓46'17	
asc. node	-10784 Jul 05 j 14:27	11°♓47'13	
retrograde	-10784 Sep 21 j 05:19	20°♓10'24	
opposition	-10784 Nov 20 j 01:42	15°♓17'12	0°28'19
min. Earth dist.	-10784 Nov 20 j 18:58	15°♓11'35	4.32312 AU
direct	-10783 Jan 21 j 05:52	10°♓14'24	
evening set	-10783 May 29 j 11:43	28°♓28'17	
	-10783 Jun 05 j 09:00	0°♈	
max. Earth dist.	-10783 Jun 10 j 04:37	1°♈04'28	6.33434 AU
conjunction	-10783 Jun 11 j 08:57	1°♈20'17	0°46'26
minimum elong	-10783 Jun 11 j 08:53	1°♈20'15	0°46'24
morning rise	-10783 Jun 24 j 02:51	4°♈10'40	
retrograde	-10783 Oct 23 j 00:07	21°♈29'26	
opposition	-10783 Dec 22 j 13:14	16°♈37'42	1°40'36
min. Earth dist.	-10783 Dec 23 j 10:28	16°♈30'55	4.33617 AU
direct	-10782 Feb 23 j 01:11	11°♈37'39	
evening set	-10782 Jun 29 j 23:18	29°♈42'26	
	-10782 Jul 01 j 06:48	0°♉	
max. Earth dist.	-10782 Jul 11 j 06:18	2°♉14'19	6.32568 AU
conjunction	-10782 Jul 12 j 11:44	2°♉30'52	1°26'55
minimum elong	-10782 Jul 12 j 11:39	2°♉30'49	1°27'11
morning rise	-10782 Jul 24 j 22:17	5°♉18'22	
	-10782 Sep 09 j 09:28	15°♉	
retrograde	-10782 Nov 24 j 11:36	22°♉54'25	
opposition	-10781 Jan 24 j 15:42	18°♉02'11	2°23'54
min. Earth dist.	-10781 Jan 25 j 10:19	17°♉56'17	4.30768 AU
	-10781 Feb 19 j 12:24	15°℞♉	
direct	-10781 Mar 27 j 19:15	13°♉05'13	
	-10781 May 02 j 19:27	15°♉	
	-10781 Jul 26 j 00:13	0°♊	
evening set	-10781 Jul 31 j 03:21	1°♊09'16	
conjunction	-10781 Aug 12 j 12:00	3°♊57'41	1°42'12
minimum elong	-10781 Aug 12 j 12:00	3°♊57'41	1°42'43
max. Earth dist.	-10781 Aug 11 j 16:06	3°♊46'21	6.27870 AU
morning rise	-10781 Aug 24 j 20:14	6°♊46'04	
retrograde	-10781 Dec 28 j 01:56	24°♊56'30	
opposition	-10780 Feb 27 j 15:00	20°♊02'04	2°24'51
min. Earth dist.	-10780 Feb 28 j 01:07	19°♊58'52	4.24576 AU
direct	-10780 Apr 28 j 20:54	15°♊07'50	
	-10780 Aug 16 j 02:10	0°♋	
evening set	-10780 Aug 30 j 17:26	3°♋18'39	
conjunction	-10780 Sep 12 j 04:54	6°♋11'12	1°26'37
minimum elong	-10780 Sep 12 j 04:58	6°♋11'15	1°27'12
max. Earth dist.	-10780 Sep 11 j 22:07	6°♋07'17	6.20694 AU
morning rise	-10780 Sep 24 j 18:11	9°♋04'48	
retrograde	-10779 Jan 30 j 23:59	27°♋58'01	
opposition	-10779 Apr 02 j 11:32	23°♋00'04	1°39'47
min. Earth dist.	-10779 Apr 02 j 09:29	23°♋00'44	4.16871 AU
direct	-10779 Jun 01 j 12:30	18°♋07'09	
	-10779 Sep 03 j 10:13	0°♌	
evening set	-10779 Oct 02 j 11:00	6°♌31'16	
conjunction	-10779 Oct 15 j 07:21	9°♌30'56	0°42'41
minimum elong	-10779 Oct 15 j 07:25	9°♌30'59	0°43'10
max. Earth dist.	-10779 Oct 15 j 19:14	9°♌37'53	6.13243 AU
morning rise	-10779 Oct 28 j 06:43	12°♌32'20	
	-10779 Nov 07 j 23:43	15°♌	
	-10778 Jan 29 j 19:15	0°♍	
retrograde	-10778 Mar 07 j 22:22	2°♍04'33	
	-10778 Apr 13 j 22:06	30°℞♌	
opposition	-10778 May 07 j 22:05	27°♌02'51	0°19'24
min. Earth dist.	-10778 May 07 j 08:38	27°♌07'17	4.10218 AU
direct	-10778 Jul 05 j 19:20	22°♌09'28	
desc. node	-10778 Jul 31 j 12:40	23°♌15'08	
	-10778 Sep 16 j 20:23	0°♍	
evening set	-10778 Nov 05 j 22:07	10°♍51'39	
conjunction	-10778 Nov 19 j 04:27	13°♍58'03	-0°16'54
minimum elong	-10778 Nov 19 j 04:25	13°♍58'02	0°16'40
max. Earth dist.	-10778 Nov 20 j 05:49	14°♍12'56	6.08032 AU
morning rise	-10778 Dec 02 j 14:33	17°♍06'25	
	-10777 Feb 01 j 13:07	0°♎	
retrograde	-10777 Apr 13 j 02:44	7°♎00'18	
opposition	-10777 Jun 12 j 09:53	1°♎55'51	-1°09'40
min. Earth dist.	-10777 Jun 11 j 13:18	2°♎02'49	4.06962 AU
	-10777 Jun 27 j 03:30	30°℞♍	
direct	-10777 Aug 09 j 15:18	27°♍00'07	
	-10777 Sep 21 j 17:16	0°♎	
evening set	-10777 Dec 12 j 01:49	16°♎00'06	
conjunction	-10777 Dec 25 j 15:33	19°♎09'59	-1°11'06
minimum elong	-10777 Dec 25 j 15:26	19°♎09'55	1°11'14
max. Earth dist.	-10777 Dec 27 j 00:35	19°♎29'17	6.06961 AU
morning rise	-10776 Jan 08 j 07:46	22°♎21'11	
	-10776 Feb 11 j 14:02	0°♏	
retrograde	-10776 May 17 j 22:17	12°♏09'32	
opposition	-10776 Jul 16 j 10:21	7°♏04'38	-2°13'39
min. Earth dist.	-10776 Jul 15 j 15:07	7°♏11'13	4.08313 AU
direct	-10776 Sep 12 j 18:04	2°♏05'34	
	-10776 Dec 20 j 04:27	15°♏	
evening set	-10775 Jan 17 j 02:29	21°♏14'27	
conjunction	-10775 Jan 30 j 19:07	24°♏23'51	-1°39'21
minimum elong	-10775 Jan 30 j 19:05	24°♏23'50	1°39'49
max. Earth dist.	-10775 Jan 31 j 21:19	24°♏38'58	6.10467 AU
morning rise	-10775 Feb 13 j 12:45	27°♏33'36	
	-10775 Feb 24 j 06:24	0°♐	
retrograde	-10775 Jun 21 j 12:11	16°♐49'34	
opposition	-10775 Aug 19 j 13:52	11°♐46'34	-2°28'48
min. Earth dist.	-10775 Aug 19 j 01:12	11°♐50'54	4.13702 AU
direct	-10775 Oct 17 j 15:31	6°♐44'19	
evening set	-10774 Feb 22 j 17:56	25°♐48'03	
conjunction	-10774 Mar 08 j 10:21	28°♐54'26	-1°32'00
minimum elong	-10774 Mar 08 j 10:25	28°♐54'28	1°32'36
max. Earth dist.	-10774 Mar 08 j 20:59	29°♐00'28	6.17247 AU
	-10774 Mar 13 j 05:39	0°♑	
morning rise	-10774 Mar 22 j 01:36	2°♑00'04	
retrograde	-10774 Jul 24 j 20:01	20°♑29'26	
opposition	-10774 Sep 21 j 19:10	15°♑30'00	-1°52'53

Attention, astronomical year style is used: The year -10774 in astronomical counting style is the year 10775 BCE in historical counting style.

min. Earth dist.	-10774 Sep 21 j 18:35	15°♑30'12	4.21163 AU
direct	-10774 Nov 21 j 02:00	10°♑25'54	
evening set	-10773 Mar 30 j 00:53	29°♑13'04	
	-10773 Apr 02 j 12:59	0°♒	
conjunction	-10773 Apr 12 j 13:44	2°♒14'58	-0°54'02
minimum elong	-10773 Apr 12 j 13:49	2°♒15'01	0°54'34
max. Earth dist.	-10773 Apr 12 j 06:13	2°♒10'45	6.24868 AU
morning rise	-10773 Apr 25 j 23:44	5°♒15'21	
	-10773 Jun 11 j 14:49	15°♒	
retrograde	-10773 Aug 25 j 23:31	23°♒02'11	
opposition	-10773 Oct 24 j 08:01	18°♒06'29	-0°42'07
min. Earth dist.	-10773 Oct 24 j 17:47	18°♒03'15	4.28210 AU
	-10773 Nov 18 j 17:29	15°℞♒	
direct	-10773 Dec 24 j 18:22	13°♒02'21	
	-10772 Jan 30 j 05:38	15°♒	
	-10772 Apr 24 j 21:07	0°♓	
evening set	-10772 May 01 j 16:38	1°♓29'56	
conjunction	-10772 May 14 j 22:02	4°♓26'27	0°00'02
minimum elong	-10772 May 14 j 22:04	4°♓26'27	0°00'17
behind sun begin	-10772 May 14 j 13:59	4°♓21'58	
behind sun end	-10772 May 15 j 06:09	4°♓30'57	
max. Earth dist.	-10772 May 13 j 23:36	4°♓13'56	6.30877 AU
asc. node	-10772 May 14 j 15:06	4°♓22'36	
morning rise	-10772 May 28 j 00:02	7°♓21'11	
retrograde	-10772 Sep 25 j 16:59	24°♓43'12	
opposition	-10772 Nov 24 j 15:10	19°♓50'20	0°39'34
min. Earth dist.	-10772 Nov 25 j 09:57	19°♓44'15	4.32703 AU
direct	-10771 Jan 25 j 22:01	14°♓47'53	
	-10771 May 20 j 05:52	0°♈	
evening set	-10771 Jun 02 j 23:21	3°♈00'10	
conjunction	-10771 Jun 15 j 19:14	5°♈51'34	0°53'18
minimum elong	-10771 Jun 15 j 19:09	5°♈51'31	0°53'18
max. Earth dist.	-10771 Jun 14 j 13:18	5°♈34'52	6.33470 AU
morning rise	-10771 Jun 28 j 12:00	8°♈41'26	
retrograde	-10771 Oct 27 j 12:42	26°♈01'45	
opposition	-10771 Dec 27 j 04:26	21°♈10'01	1°48'52
min. Earth dist.	-10771 Dec 28 j 01:26	21°♈03'20	4.33333 AU
direct	-10770 Feb 27 j 15:43	16°♈10'22	
	-10770 Jun 14 j 23:39	0°♉	
evening set	-10770 Jul 04 j 09:27	4°♉15'05	
conjunction	-10770 Jul 16 j 21:06	7°♉03'21	1°30'48
minimum elong	-10770 Jul 16 j 21:02	7°♉03'18	1°31'08
max. Earth dist.	-10770 Jul 15 j 17:33	6°♉47'49	6.31987 AU
morning rise	-10770 Jul 29 j 06:50	9°♉50'45	
	-10770 Aug 21 j 20:52	15°♉	
retrograde	-10770 Nov 29 j 04:19	27°♉31'13	
opposition	-10769 Jan 29 j 10:07	22°♉38'49	2°26'49
min. Earth dist.	-10769 Jan 30 j 03:59	22°♉33'09	4.29952 AU
direct	-10769 Apr 01 j 11:32	17°♉42'20	
	-10769 Jul 09 j 06:13	0°♊	
evening set	-10769 Aug 04 j 14:18	5°♊47'17	
conjunction	-10769 Aug 16 j 22:48	8°♊36'03	1°41'53
minimum elong	-10769 Aug 16 j 22:49	8°♊36'04	1°42'25
max. Earth dist.	-10769 Aug 16 j 03:33	8°♊25'04	6.26886 AU
morning rise	-10769 Aug 29 j 07:30	11°♊25'00	
retrograde	-10768 Jan 01 j 23:33	29°♊41'28	
opposition	-10768 Mar 03 j 13:02	24°♊46'34	2°21'09
min. Earth dist.	-10768 Mar 03 j 21:00	24°♊44'01	4.23511 AU
direct	-10768 May 03 j 14:45	19°♊52'35	
	-10768 Jul 29 j 09:14	0°♋	
evening set	-10768 Sep 04 j 07:12	8°♋04'49	
conjunction	-10768 Sep 16 j 19:46	10°♋58'15	1°21'54
minimum elong	-10768 Sep 16 j 19:51	10°♋58'18	1°22'30
max. Earth dist.	-10768 Sep 16 j 17:16	10°♋56'48	6.19674 AU
morning rise	-10768 Sep 29 j 10:06	13°♋52'47	
	-10768 Dec 22 j 22:05	0°♌	
retrograde	-10767 Feb 05 j 01:41	2°♌51'34	
	-10767 Mar 21 j 13:57	30°℞♋	
opposition	-10767 Apr 07 j 11:55	27°♋53'05	1°30'02
min. Earth dist.	-10767 Apr 07 j 08:05	27°♋54'20	4.15979 AU
direct	-10767 Jun 06 j 08:54	23°♋00'15	
	-10767 Aug 14 j 14:45	0°♌	
evening set	-10767 Oct 07 j 05:44	11°♌25'53	
conjunction	-10767 Oct 20 j 03:18	14°♌26'26	0°34'47
minimum elong	-10767 Oct 20 j 03:21	14°♌26'28	0°35'15
max. Earth dist.	-10767 Oct 20 j 16:39	14°♌34'13	6.12563 AU
	-10767 Oct 22 j 12:45	15°♌	
morning rise	-10767 Nov 02 j 04:21	17°♌28'50	
	-10767 Dec 31 j 12:01	0°♍	
retrograde	-10766 Mar 12 j 23:32	7°♍04'19	
opposition	-10766 May 12 j 22:28	2°♍02'04	0°06'36
min. Earth dist.	-10766 May 12 j 06:54	2°♍07'13	4.09803 AU
	-10766 May 28 j 19:31	30°℞♌	
desc. node	-10766 Jun 10 j 16:11	28°♌36'45	
direct	-10766 Jul 10 j 16:40	27°♌08'25	
	-10766 Aug 21 j 22:19	0°♍	
evening set	-10766 Nov 10 j 21:44	15°♍52'03	
conjunction	-10766 Nov 24 j 05:24	18°♍59'02	-0°25'20
minimum elong	-10766 Nov 24 j 05:21	18°♍59'00	0°25'10
max. Earth dist.	-10766 Nov 25 j 09:49	19°♍15'41	6.07918 AU
morning rise	-10766 Dec 07 j 16:27	22°♍07'52	
	-10765 Jan 11 j 21:44	0°♎	
retrograde	-10765 Apr 18 j 04:42	12°♎01'28	
opposition	-10765 Jun 17 j 08:31	6°♎56'49	-1°20'48
min. Earth dist.	-10765 Jun 16 j 12:26	7°♎03'36	4.07165 AU
direct	-10765 Aug 14 j 13:59	2°♎00'39	
evening set	-10765 Dec 17 j 04:49	21°♎01'23	
conjunction	-10765 Dec 30 j 18:57	24°♎11'14	-1°16'57
minimum elong	-10765 Dec 30 j 18:51	24°♎11'10	1°17'08
max. Earth dist.	-10764 Jan 01 j 02:30	24°♎29'37	6.07421 AU
morning rise	-10764 Jan 13 j 11:43	27°♎22'21	
	-10764 Jan 24 j 22:42	0°♏	
	-10764 Apr 16 j 03:20	15°♏	
retrograde	-10764 May 22 j 18:16	17°♏06'52	
	-10764 Jun 28 j 00:31	15°℞♏	
min. Earth dist.	-10764 Jul 20 j 10:14	12°♏08'39	4.09005 AU
opposition	-10764 Jul 21 j 05:24	12°♏02'06	-2°18'55
direct	-10764 Sep 17 j 14:12	7°♏02'32	
	-10764 Nov 30 j 19:04	15°♏	
evening set	-10763 Jan 22 j 05:22	26°♏11'08	
conjunction	-10763 Feb 04 j 22:09	29°♏20'11	-1°40'29
minimum elong	-10763 Feb 04 j 22:08	29°♏20'10	1°40'57
max. Earth dist.	-10763 Feb 05 j 22:09	29°♏34'01	6.11316 AU
	-10763 Feb 07 j 19:15	0°♐	
morning rise	-10763 Feb 18 j 15:32	2°♐29'25	
retrograde	-10763 Jun 26 j 05:44	21°♐39'29	
opposition	-10763 Aug 24 j 05:38	16°♐36'57	-2°26'38
min. Earth dist.	-10763 Aug 23 j 19:40	16°♐40'22	4.14612 AU
direct	-10763 Oct 22 j 11:31	11°♐34'21	
	-10762 Feb 25 j 00:16	0°♑	
evening set	-10762 Feb 27 j 17:27	0°♑36'42	
conjunction	-10762 Mar 13 j 09:43	3°♑42'39	-1°28'18
minimum elong	-10762 Mar 13 j 09:48	3°♑42'41	1°28'54

Attention, astronomical year style is used: The year -10762 in astronomical counting style is the year 10763 BCE in historical counting style.

max. Earth dist.	-10762 Mar 13 j 17:52	3°♑47'17	6.18149 AU
morning rise	-10762 Mar 27 j 00:26	6°♑47'43	
retrograde	-10762 Jul 29 j 08:00	25°♑11'24	
opposition	-10762 Sep 26 j 08:38	20°♑12'32	-1°44'38
min. Earth dist.	-10762 Sep 26 j 08:57	20°♑12'25	4.21976 AU
direct	-10762 Nov 25 j 18:07	15°♑08'22	
	-10761 Mar 17 j 01:14	0°♒	
evening set	-10761 Apr 03 j 19:55	3°♒53'51	
conjunction	-10761 Apr 17 j 07:55	6°♒55'11	-0°47'04
minimum elong	-10761 Apr 17 j 08:00	6°♒55'14	0°47'35
max. Earth dist.	-10761 Apr 16 j 21:04	6°♒49'06	6.25552 AU
morning rise	-10761 Apr 30 j 17:07	9°♒54'58	
	-10761 May 24 j 01:09	15°♒	
retrograde	-10761 Aug 30 j 12:15	27°♒38'21	
opposition	-10761 Oct 28 j 21:08	22°♒43'10	-0°30'46
min. Earth dist.	-10761 Oct 29 j 09:13	22°♒39'11	4.28701 AU
direct	-10761 Dec 29 j 11:30	17°♒39'14	
asc. node	-10760 Mar 23 j 23:21	27°♒02'27	
	-10760 Apr 07 j 22:08	0°♓	
evening set	-10760 May 06 j 07:39	6°♓05'31	
conjunction	-10760 May 19 j 12:00	9°♓01'28	0°08'01
minimum elong	-10760 May 19 j 11:59	9°♓01'28	0°07'45
behind sun begin	-10760 May 19 j 04:41	8°♓57'24	
behind sun end	-10760 May 19 j 19:17	9°♓05'31	
max. Earth dist.	-10760 May 18 j 12:38	8°♓48'27	6.31148 AU
morning rise	-10760 Jun 01 j 12:42	11°♓55'36	
retrograde	-10760 Sep 30 j 04:00	29°♓17'03	
opposition	-10760 Nov 29 j 05:13	24°♓24'27	0°50'37
min. Earth dist.	-10760 Nov 29 j 23:42	24°♓18'29	4.32763 AU
direct	-10759 Jan 30 j 12:28	19°♓22'24	
	-10759 May 02 j 18:29	0°♈	
evening set	-10759 Jun 07 j 11:45	7°♈34'06	
max. Earth dist.	-10759 Jun 19 j 00:43	10°♈08'28	6.33319 AU
conjunction	-10759 Jun 20 j 06:16	10°♈24'59	0°59'52
minimum elong	-10759 Jun 20 j 06:11	10°♈24'56	0°59'54
morning rise	-10759 Jul 02 j 21:52	13°♈14'25	
	-10759 Oct 12 j 07:43	0°♉	
retrograde	-10759 Nov 01 j 03:50	0°♉36'52	
	-10759 Nov 21 j 00:07	30°℞♈	
opposition	-10759 Dec 31 j 21:07	25°♈45'13	1°56'32
min. Earth dist.	-10758 Jan 01 j 18:22	25°♈38'27	4.32993 AU
direct	-10758 Mar 04 j 08:41	20°♈46'04	
	-10758 May 27 j 21:54	0°♉	
evening set	-10758 Jul 08 j 20:19	8°♉50'31	
max. Earth dist.	-10758 Jul 20 j 04:13	11°♉23'26	6.31465 AU
conjunction	-10758 Jul 21 j 07:08	11°♉38'36	1°34'10
minimum elong	-10758 Jul 21 j 07:04	11°♉38'34	1°34'31
morning rise	-10758 Aug 02 j 16:24	14°♉26'00	
	-10758 Aug 05 j 05:09	15°♉	
	-10758 Oct 26 j 18:26	0°♊	
retrograde	-10758 Dec 03 j 21:26	2°♊10'35	
	-10757 Jan 11 j 13:19	30°℞♉	
opposition	-10757 Feb 03 j 05:31	27°♉17'53	2°28'48
min. Earth dist.	-10757 Feb 03 j 21:20	27°♉12'53	4.29294 AU
direct	-10757 Apr 06 j 03:32	22°♉21'49	
	-10757 Jun 20 j 05:07	0°♊	
evening set	-10757 Aug 09 j 01:33	10°♊26'53	
conjunction	-10757 Aug 21 j 10:16	13°♊16'00	1°40'56
minimum elong	-10757 Aug 21 j 10:17	13°♊16'01	1°41'29
max. Earth dist.	-10757 Aug 20 j 18:33	13°♊07'01	6.26141 AU
morning rise	-10757 Sep 02 j 19:09	16°♊05'23	
	-10757 Nov 12 j 01:27	0°♋	

retrograde	-10756 Jan 06 j 21:45	4°♋26'48	
	-10756 Mar 04 j 17:08	30°℞♊	
opposition	-10756 Mar 08 j 10:47	29°♊31'29	2°16'30
min. Earth dist.	-10756 Mar 08 j 17:46	29°♊29'16	4.22704 AU
direct	-10756 May 08 j 09:29	24°♊37'46	
	-10756 Jul 08 j 04:27	0°♋	
evening set	-10756 Sep 08 j 20:57	12°♋50'38	
conjunction	-10756 Sep 21 j 10:23	15°♋44'50	1°16'40
minimum elong	-10756 Sep 21 j 10:28	15°♋44'53	1°17'15
max. Earth dist.	-10756 Sep 21 j 08:55	15°♋43'59	6.18869 AU
morning rise	-10756 Oct 04 j 02:08	18°♋40'18	
	-10756 Nov 26 j 13:30	0°♌	
retrograde	-10755 Feb 10 j 00:40	7°♌43'51	
opposition	-10755 Apr 12 j 10:59	2°♌44'47	1°19'44
min. Earth dist.	-10755 Apr 12 j 04:45	2°♌46'49	4.15217 AU
	-10755 May 04 j 23:41	30°℞♋	
direct	-10755 Jun 11 j 03:16	27°♋51'56	
	-10755 Jul 17 j 20:05	0°♌	
	-10755 Oct 06 j 07:02	15°♌	
evening set	-10755 Oct 11 j 23:44	16°♌19'03	
conjunction	-10755 Oct 24 j 22:53	19°♌20'31	0°26'42
minimum elong	-10755 Oct 24 j 22:55	19°♌20'33	0°27'08
max. Earth dist.	-10755 Oct 25 j 15:39	19°♌30'20	6.11928 AU
morning rise	-10755 Nov 07 j 01:16	22°♌23'52	
	-10755 Dec 11 j 03:10	0°♍	
retrograde	-10754 Mar 18 j 01:49	12°♍02'30	
desc. node	-10754 Apr 21 j 03:34	10°♍15'04	
opposition	-10754 May 17 j 21:44	6°♍59'50	-0°06'09
min. Earth dist.	-10754 May 17 j 06:12	7°♍04'59	4.09343 AU
direct	-10754 Jul 15 j 14:26	2°♍05'54	
evening set	-10754 Nov 15 j 21:21	20°♍51'37	
conjunction	-10754 Nov 29 j 06:01	23°♍59'10	-0°33'33
minimum elong	-10754 Nov 29 j 05:57	23°♍59'08	0°33'27
max. Earth dist.	-10754 Nov 30 j 10:11	24°♍15'40	6.07666 AU
morning rise	-10754 Dec 12 j 18:17	27°♍08'34	
	-10754 Dec 25 j 04:13	0°♎	
retrograde	-10753 Apr 23 j 04:00	17°♎02'18	
min. Earth dist.	-10753 Jun 21 j 09:08	12°♎04'35	4.07171 AU
opposition	-10753 Jun 22 j 06:05	11°♎57'29	-1°31'19
direct	-10753 Aug 19 j 10:23	7°♎00'50	
evening set	-10753 Dec 22 j 08:21	26°♎03'27	
conjunction	-10752 Jan 04 j 23:10	29°♎13'25	-1°22'13
minimum elong	-10752 Jan 04 j 23:04	29°♎13'21	1°22'28
max. Earth dist.	-10752 Jan 06 j 06:09	29°♎31'28	6.07671 AU
	-10752 Jan 08 j 07:09	0°♏	
morning rise	-10752 Jan 18 j 16:11	2°♏24'29	
	-10752 Mar 18 j 06:50	15°♏	
retrograde	-10752 May 27 j 16:25	22°♏05'52	
min. Earth dist.	-10752 Jul 25 j 07:36	17°♏07'08	4.09473 AU
opposition	-10752 Jul 26 j 00:48	17°♏01'14	-2°23'14
	-10752 Aug 10 j 05:46	15°℞♏	
direct	-10752 Sep 22 j 12:20	12°♏01'09	
	-10752 Nov 04 j 20:03	15°♏	
	-10751 Jan 22 j 05:56	0°♐	
evening set	-10751 Jan 27 j 09:10	1°♐10'13	
conjunction	-10751 Feb 10 j 02:11	4°♐19'04	-1°40'53
minimum elong	-10751 Feb 10 j 02:11	4°♐19'04	1°41'23
max. Earth dist.	-10751 Feb 11 j 00:39	4°♐31'59	6.11953 AU
morning rise	-10751 Feb 23 j 19:24	7°♐27'56	
retrograde	-10751 Jun 30 j 22:41	26°♐32'34	
opposition	-10751 Aug 28 j 22:28	21°♐30'28	-2°23'27
min. Earth dist.	-10751 Aug 28 j 13:10	21°♐33'39	4.15359 AU

Attention, astronomical year style is used: The year -10751 in astronomical counting style is the year 10752 BCE in historical counting style.

direct	-10751 Oct 27 j 06:26	16°♐27'32	
	-10750 Feb 07 j 20:37	0°♑	
evening set	-10750 Mar 04 j 18:25	5°♑28'53	
conjunction	-10750 Mar 18 j 10:15	8°♑34'22	-1°23'56
minimum elong	-10750 Mar 18 j 10:20	8°♑34'25	1°24'31
max. Earth dist.	-10750 Mar 18 j 14:25	8°♑36'44	6.18948 AU
morning rise	-10750 Apr 01 j 00:33	11°♑38'54	
retrograde	-10750 Aug 02 j 23:23	29°♑57'11	
opposition	-10750 Sep 30 j 23:48	24°♑58'49	-1°35'34
min. Earth dist.	-10750 Oct 01 j 02:37	24°♑57'53	4.22737 AU
direct	-10750 Nov 30 j 14:27	19°♑54'32	
	-10749 Feb 26 j 20:31	0°♒	
evening set	-10749 Apr 08 j 16:19	8°♒38'15	
conjunction	-10749 Apr 22 j 03:40	11°♒39'02	-0°39'41
minimum elong	-10749 Apr 22 j 03:44	11°♒39'04	0°40'11
max. Earth dist.	-10749 Apr 21 j 15:58	11°♒32'28	6.26242 AU
morning rise	-10749 May 05 j 11:44	14°♒38'07	
	-10749 May 07 j 03:05	15°♒	
	-10749 Jul 27 j 19:00	0°♓	
retrograde	-10749 Sep 04 j 00:14	2°♓17'51	
	-10749 Oct 12 j 11:40	30°♑℞♒	
opposition	-10749 Nov 02 j 11:41	27°♒23'07	-0°19'03
min. Earth dist.	-10749 Nov 02 j 23:50	27°♒19'07	4.29278 AU
direct	-10748 Jan 03 j 04:00	22°♒19'23	
asc. node	-10748 Feb 01 j 02:29	23°♒34'12	
	-10748 Mar 19 j 11:58	0°♓	
evening set	-10748 May 10 j 23:47	10°♓43'50	
max. Earth dist.	-10748 May 23 j 01:28	13°♓25'00	6.31582 AU
conjunction	-10748 May 24 j 02:41	13°♓39'03	0°15'57
minimum elong	-10748 May 24 j 02:39	13°♓39'02	0°15'45
behind sun begin	-10748 May 24 j 01:04	13°♓38'10	
behind sun end	-10748 May 24 j 04:14	13°♓39'55	
morning rise	-10748 Jun 06 j 02:14	16°♓32'30	
	-10748 Aug 14 j 20:13	0°♈	
retrograde	-10748 Oct 04 j 18:18	3°♈52'53	
	-10748 Nov 26 j 02:50	30°♑℞♓	
opposition	-10748 Dec 03 j 20:48	29°♓00'32	1°01'26
min. Earth dist.	-10748 Dec 04 j 16:28	28°♓54'12	4.33040 AU
direct	-10747 Feb 04 j 06:32	23°♓58'50	
	-10747 Apr 12 j 02:59	0°♈	
evening set	-10747 Jun 12 j 00:11	12°♈08'50	
conjunction	-10747 Jun 24 j 17:30	14°♈59'07	1°06'06
minimum elong	-10747 Jun 24 j 17:25	14°♈59'04	1°06'12
max. Earth dist.	-10747 Jun 23 j 12:57	14°♈43'08	6.33408 AU
morning rise	-10747 Jul 07 j 07:52	17°♈47'59	
	-10747 Sep 06 j 15:33	0°♉	
retrograde	-10747 Nov 05 j 17:09	5°♉11'49	
opposition	-10746 Jan 05 j 13:59	0°♉20'05	2°03'27
min. Earth dist.	-10746 Jan 06 j 09:37	0°♉13'50	4.32918 AU
	-10746 Jan 08 j 05:12	30°♑℞♈	
direct	-10746 Mar 08 j 23:44	25°♈21'22	
	-10746 May 05 j 19:29	0°♉	
evening set	-10746 Jul 13 j 06:51	13°♉24'33	
	-10746 Jul 20 j 08:40	15°♉	
conjunction	-10746 Jul 25 j 16:51	16°♉12'22	1°36'55
minimum elong	-10746 Jul 25 j 16:48	16°♉12'20	1°37'18
max. Earth dist.	-10746 Jul 24 j 15:42	15°♉58'09	6.31216 AU
morning rise	-10746 Aug 07 j 01:33	18°♉59'36	
	-10746 Sep 29 j 13:18	0°♊	
retrograde	-10746 Dec 08 j 15:29	6°♊47'25	
opposition	-10745 Feb 08 j 00:16	1°♊54'27	2°29'48
min. Earth dist.	-10745 Feb 08 j 15:52	1°♊49'31	4.28877 AU
	-10745 Feb 23 j 11:22	30°♑℞♉	
direct	-10745 Apr 10 j 20:56	26°♉58'44	
	-10745 May 26 j 06:47	0°♊	
evening set	-10745 Aug 13 j 11:42	15°♊03'09	
conjunction	-10745 Aug 25 j 20:35	17°♊52'34	1°39'20
minimum elong	-10745 Aug 25 j 20:37	17°♊52'35	1°39'55
max. Earth dist.	-10745 Aug 25 j 05:51	17°♊44'08	6.25575 AU
morning rise	-10745 Sep 07 j 06:05	20°♊42'25	
	-10745 Oct 20 j 15:58	0°♋	
retrograde	-10744 Jan 11 j 16:23	9°♋08'16	
opposition	-10744 Mar 13 j 07:04	4°♋12'26	2°10'58
min. Earth dist.	-10744 Mar 13 j 11:35	4°♋10'59	4.22019 AU
	-10744 Apr 22 j 04:10	30°♑℞♊	
direct	-10744 May 13 j 01:04	29°♊18'56	
	-10744 Jun 02 j 22:02	0°♋	
evening set	-10744 Sep 13 j 09:14	17°♋32'14	
conjunction	-10744 Sep 25 j 23:50	20°♋27'14	1°10'59
minimum elong	-10744 Sep 25 j 23:55	20°♋27'17	1°11'33
max. Earth dist.	-10744 Sep 26 j 01:23	20°♋28'08	6.18131 AU
morning rise	-10744 Oct 08 j 16:42	23°♋23'35	
	-10744 Nov 07 j 08:30	0°♌	
retrograde	-10743 Feb 15 j 00:16	12°♌31'45	
opposition	-10743 Apr 17 j 08:26	7°♌32'12	1°08'59
min. Earth dist.	-10743 Apr 17 j 02:01	7°♌34'18	4.14455 AU
direct	-10743 Jun 15 j 22:24	2°♌39'19	
	-10743 Sep 19 j 12:37	15°♌	
evening set	-10743 Oct 16 j 16:56	21°♌08'19	
conjunction	-10743 Oct 29 j 17:20	24°♌10'42	0°18'32
minimum elong	-10743 Oct 29 j 17:23	24°♌10'43	0°18'56
max. Earth dist.	-10743 Oct 30 j 10:30	24°♌20'44	6.11219 AU
morning rise	-10743 Nov 11 j 21:23	27°♌15'02	
	-10743 Nov 23 j 20:21	0°♍	
desc. node	-10742 Mar 01 j 21:39	16°♍15'01	
retrograde	-10742 Mar 23 j 00:48	16°♍57'04	
opposition	-10742 May 22 j 19:08	11°♍54'03	-0°18'43
min. Earth dist.	-10742 May 22 j 02:07	11°♍59'43	4.08759 AU
direct	-10742 Jul 20 j 08:21	6°♍59'51	
evening set	-10742 Nov 20 j 20:23	25°♍48'37	
conjunction	-10742 Dec 04 j 06:13	28°♍56'49	-0°41'27
minimum elong	-10742 Dec 04 j 06:09	28°♍56'47	0°41'23
max. Earth dist.	-10742 Dec 05 j 11:13	29°♍13'49	6.07255 AU
	-10742 Dec 08 j 18:04	0°♎	
morning rise	-10742 Dec 17 j 19:24	2°♎06'48	
retrograde	-10741 Apr 28 j 04:59	22°♎01'31	
min. Earth dist.	-10741 Jun 26 j 07:16	17°♎03'21	4.06981 AU
opposition	-10741 Jun 27 j 03:04	16°♎56'37	-1°41'05
direct	-10741 Aug 24 j 07:45	11°♎59'31	
	-10741 Dec 22 j 19:14	0°♏	
evening set	-10741 Dec 27 j 11:48	1°♏04'56	
conjunction	-10740 Jan 10 j 03:14	4°♏15'07	-1°26'51
minimum elong	-10740 Jan 10 j 03:08	4°♏15'04	1°27'09
max. Earth dist.	-10740 Jan 11 j 10:07	4°♏33'06	6.07716 AU
morning rise	-10740 Jan 23 j 20:35	7°♏26'16	
	-10740 Feb 26 j 19:59	15°♏	
retrograde	-10740 Jun 01 j 13:39	27°♏05'12	
opposition	-10740 Jul 30 j 20:10	22°♏00'51	-2°26'28
min. Earth dist.	-10740 Jul 30 j 03:14	22°♏06'39	4.09781 AU
direct	-10740 Sep 27 j 08:08	17°♏00'23	
	-10739 Jan 04 j 19:09	0°♐	
evening set	-10739 Feb 01 j 13:38	6°♐10'36	
conjunction	-10739 Feb 15 j 06:37	9°♐19'15	-1°40'31

Attention, astronomical year style is used: The year -10739 in astronomical counting style is the year 10740 BCE in historical counting style.

minimum elong	-10739 Feb 15 j 06:37	9°♐19'15	1°41'03
max. Earth dist.	-10739 Feb 16 j 01:56	9°♐30'21	6.12493 AU
morning rise	-10739 Feb 28 j 23:48	12°♐27'49	
	-10739 Jun 05 j 18:39	0°♑	
retrograde	-10739 Jul 05 j 17:03	1°♑27'23	
	-10739 Aug 04 j 09:25	30°℞♐	
opposition	-10739 Sep 02 j 15:56	26°♐25'45	-2°19'13
min. Earth dist.	-10739 Sep 02 j 08:34	26°♐28'16	4.16074 AU
direct	-10739 Nov 01 j 04:40	21°♐22'32	
	-10738 Jan 19 j 13:27	0°♑	
evening set	-10738 Mar 09 j 19:39	10°♑22'46	
conjunction	-10738 Mar 23 j 11:19	13°♑27'49	-1°18'56
minimum elong	-10738 Mar 23 j 11:24	13°♑27'53	1°19'31
max. Earth dist.	-10738 Mar 23 j 14:57	13°♑29'53	6.19812 AU
morning rise	-10738 Apr 06 j 00:51	16°♑31'44	
	-10738 Jun 12 j 14:38	0°♒	
retrograde	-10738 Aug 07 j 14:03	4°♒44'17	
	-10738 Oct 03 j 23:06	30°℞♑	
opposition	-10738 Oct 05 j 15:28	29°♑46'29	-1°25'49
min. Earth dist.	-10738 Oct 05 j 18:53	29°♑45'20	4.23656 AU
direct	-10738 Dec 05 j 09:23	24°♑42'11	
	-10737 Feb 04 j 19:22	0°♒	
evening set	-10737 Apr 13 j 12:27	13°♒23'15	
	-10737 Apr 20 j 17:58	15°♒	
conjunction	-10737 Apr 26 j 22:40	16°♒23'14	-0°32'02
minimum elong	-10737 Apr 26 j 22:44	16°♒23'16	0°32'29
max. Earth dist.	-10737 Apr 26 j 07:56	16°♒14'59	6.27144 AU
morning rise	-10737 May 10 j 05:50	19°♒21'34	
	-10737 Jun 30 j 23:50	0°♓	
retrograde	-10737 Sep 08 j 13:37	6°♓57'07	
opposition	-10737 Nov 07 j 02:22	2°♓02'44	-0°07'15
min. Earth dist.	-10737 Nov 07 j 16:17	1°♓58'10	4.30067 AU
	-10737 Nov 23 j 04:05	30°℞♒	
asc. node	-10737 Dec 11 j 13:31	28°♒07'25	
direct	-10736 Jan 07 j 22:46	26°♒59'08	
	-10736 Feb 22 j 19:39	0°♓	
evening set	-10736 May 15 j 14:37	15°♓20'45	
conjunction	-10736 May 28 j 16:18	18°♓15'09	0°23'47
minimum elong	-10736 May 28 j 16:16	18°♓15'08	0°23'36
max. Earth dist.	-10736 May 27 j 15:35	18°♓01'23	6.32185 AU
morning rise	-10736 Jun 10 j 14:19	21°♓07'45	
	-10736 Jul 23 j 00:48	0°♈	
retrograde	-10736 Oct 09 j 05:20	8°♈26'41	
opposition	-10736 Dec 08 j 11:14	3°♈34'31	1°11'49
min. Earth dist.	-10736 Dec 09 j 06:32	3°♈28'18	4.33404 AU
	-10735 Jan 08 j 13:32	30°℞♓	
direct	-10735 Feb 08 j 21:14	28°♓33'10	
	-10735 Mar 12 j 08:46	0°♈	
evening set	-10735 Jun 16 j 11:21	16°♈41'12	
max. Earth dist.	-10735 Jun 27 j 21:39	19°♈14'17	6.33471 AU
conjunction	-10735 Jun 29 j 03:14	19°♈30'51	1°11'54
minimum elong	-10735 Jun 29 j 03:09	19°♈30'48	1°12'03
morning rise	-10735 Jul 11 j 16:36	22°♈19'14	
	-10735 Aug 16 j 19:43	0°♉	
retrograde	-10735 Nov 10 j 08:12	9°♉44'47	
opposition	-10734 Jan 10 j 06:06	4°♉52'59	2°09'37
min. Earth dist.	-10734 Jan 11 j 02:33	4°♉46'29	4.32671 AU
	-10734 Mar 05 j 23:48	30°℞♈	
direct	-10734 Mar 13 j 15:46	29°♈54'38	
	-10734 Mar 21 j 07:50	0°♉	
	-10734 Jul 04 j 08:27	15°♉	
evening set	-10734 Jul 17 j 16:07	17°♉57'10	
max. Earth dist.	-10734 Jul 29 j 01:40	20°♉31'22	6.30655 AU
conjunction	-10734 Jul 30 j 01:39	20°♉44'56	1°39'06
minimum elong	-10734 Jul 30 j 01:37	20°♉44'55	1°39'31
morning rise	-10734 Aug 11 j 09:59	23°♉32'14	
	-10734 Sep 10 j 03:48	0°♊	
retrograde	-10734 Dec 13 j 07:44	11°♊24'32	
opposition	-10733 Feb 12 j 18:49	6°♊31'12	2°29'57
min. Earth dist.	-10733 Feb 13 j 08:30	6°♊26'52	4.28048 AU
direct	-10733 Apr 15 j 11:28	1°♊35'51	
evening set	-10733 Aug 17 j 22:19	19°♊41'06	
conjunction	-10733 Aug 30 j 07:35	22°♊31'06	1°37'09
minimum elong	-10733 Aug 30 j 07:37	22°♊31'07	1°37'44
max. Earth dist.	-10733 Aug 29 j 18:42	22°♊23'43	6.24542 AU
morning rise	-10733 Sep 11 j 17:41	25°♊21'39	
	-10733 Oct 02 j 12:24	0°♋	
retrograde	-10732 Jan 16 j 15:14	13°♋53'38	
opposition	-10732 Mar 18 j 04:43	8°♋57'18	2°04'36
min. Earth dist.	-10732 Mar 18 j 08:50	8°♋55'59	4.20830 AU
direct	-10732 May 17 j 19:52	4°♋03'56	
evening set	-10732 Sep 17 j 23:57	22°♋19'32	
conjunction	-10732 Sep 30 j 15:47	25°♋15'36	1°04'44
minimum elong	-10732 Sep 30 j 15:53	25°♋15'39	1°05'17
max. Earth dist.	-10732 Sep 30 j 18:49	25°♋17'22	6.16907 AU
morning rise	-10732 Oct 13 j 10:14	28°♋13'10	
	-10732 Oct 21 j 04:36	0°♌	
	-10731 Jan 10 j 09:09	15°♌	
retrograde	-10731 Feb 20 j 00:58	17°♌27'28	
	-10731 Apr 01 j 20:49	15°℞♌	
opposition	-10731 Apr 22 j 08:32	12°♌27'24	0°57'30
min. Earth dist.	-10731 Apr 21 j 23:44	12°♌30'16	4.13292 AU
direct	-10731 Jun 20 j 17:29	7°♌34'26	
	-10731 Aug 30 j 22:31	15°♌	
evening set	-10731 Oct 21 j 14:04	26°♌06'50	
conjunction	-10731 Nov 03 j 16:00	29°♌10'20	0°10'00
minimum elong	-10731 Nov 03 j 16:02	29°♌10'20	0°10'21
behind sun begin	-10731 Nov 03 j 09:34	29°♌06'35	
behind sun end	-10731 Nov 03 j 22:29	29°♌14'06	
max. Earth dist.	-10731 Nov 04 j 11:27	29°♌21'43	6.10230 AU
	-10731 Nov 07 j 04:49	0°♍	
morning rise	-10731 Nov 16 j 21:31	2°♍15'47	
desc. node	-10730 Jan 08 j 15:37	13°♍37'24	
retrograde	-10730 Mar 28 j 05:57	22°♍02'03	
opposition	-10730 May 27 j 20:39	16°♍58'39	-0°31'36
min. Earth dist.	-10730 May 27 j 03:18	17°♍04'27	4.08035 AU
direct	-10730 Jul 25 j 08:20	12°♍04'08	
	-10730 Nov 21 j 23:15	0°♎	
evening set	-10730 Nov 26 j 00:21	0°♎56'24	
conjunction	-10730 Dec 09 j 11:18	4°♎05'14	-0°49'20
minimum elong	-10730 Dec 09 j 11:13	4°♎05'11	0°49'18
max. Earth dist.	-10730 Dec 10 j 18:07	4°♎23'17	6.06881 AU
morning rise	-10730 Dec 23 j 01:26	7°♎15'45	
retrograde	-10729 May 03 j 07:56	27°♎10'28	
min. Earth dist.	-10729 Jul 01 j 06:59	22°♎12'35	4.07061 AU
opposition	-10729 Jul 02 j 03:37	22°♎05'34	-1°50'26
direct	-10729 Aug 29 j 07:14	17°♎08'07	
	-10729 Dec 05 j 00:42	0°♏	
evening set	-10728 Jan 01 j 19:41	6°♏15'11	
conjunction	-10728 Jan 15 j 11:23	9°♏25'15	-1°30'59
minimum elong	-10728 Jan 15 j 11:18	9°♏25'13	1°31'19
max. Earth dist.	-10728 Jan 16 j 17:03	9°♏42'30	6.08246 AU
morning rise	-10728 Jan 29 j 05:01	12°♏36'11	
	-10728 Feb 08 j 16:31	15°♏	
	-10728 Apr 30 j 13:13	0°♐	

Attention, astronomical year style is used: The year -10728 in astronomical counting style is the year 10729 BCE in historical counting style.

retrograde	-10728 Jun 06 j 12:17	2°♐10'08	
	-10728 Jul 13 j 03:35	30°℞♏	
opposition	-10728 Aug 04 j 17:49	27°♏06'02	-2°28'39
min. Earth dist.	-10728 Aug 04 j 01:34	27°♏11'36	4.10746 AU
direct	-10728 Oct 02 j 09:24	22°♏05'08	
	-10728 Dec 15 j 19:25	0°♐	
evening set	-10727 Feb 06 j 19:20	11°♐13'33	
conjunction	-10727 Feb 20 j 12:25	14°♐21'36	-1°39'27
minimum elong	-10727 Feb 20 j 12:26	14°♐21'37	1°40'01
max. Earth dist.	-10727 Feb 21 j 07:57	14°♐32'48	6.13832 AU
morning rise	-10727 Mar 06 j 05:01	17°♐29'21	
	-10727 May 05 j 16:39	0°♑	
retrograde	-10727 Jul 10 j 10:35	6°♑20'34	
opposition	-10727 Sep 07 j 09:14	1°♑19'27	-2°13'58
min. Earth dist.	-10727 Sep 07 j 02:49	1°♑21'38	4.17653 AU
	-10727 Sep 17 j 05:48	30°℞♐	
direct	-10727 Nov 06 j 02:17	26°♐16'01	
	-10727 Dec 26 j 02:32	0°♑	
evening set	-10726 Mar 14 j 19:04	15°♑11'40	
conjunction	-10726 Mar 28 j 09:56	18°♑15'45	-1°13'30
minimum elong	-10726 Mar 28 j 10:02	18°♑15'48	1°14'05
max. Earth dist.	-10726 Mar 28 j 10:03	18°♑15'48	6.21497 AU
morning rise	-10726 Apr 10 j 22:47	21°♑18'37	
	-10726 May 21 j 18:07	0°♒	
retrograde	-10726 Aug 12 j 00:56	9°♒22'55	
opposition	-10726 Oct 10 j 04:23	4°♒25'36	-1°15'45
min. Earth dist.	-10726 Oct 10 j 09:36	4°♒23'52	4.25286 AU
	-10726 Nov 19 j 22:14	30°℞♑	
direct	-10726 Dec 10 j 03:29	29°♑21'15	
	-10726 Dec 30 j 13:39	0°♒	
	-10725 Apr 04 j 16:42	15°♒	
evening set	-10725 Apr 18 j 04:07	17°♒57'15	
conjunction	-10725 May 01 j 13:20	20°♒56'13	-0°24'28
minimum elong	-10725 May 01 j 13:23	20°♒56'15	0°24'52
max. Earth dist.	-10725 Apr 30 j 21:31	20°♒47'23	6.28606 AU
morning rise	-10725 May 14 j 19:06	23°♒53'25	
	-10725 Jun 12 j 04:11	0°♓	
retrograde	-10725 Sep 12 j 21:00	11°♓23'29	
asc. node	-10725 Oct 23 j 00:43	8°♓55'20	
opposition	-10725 Nov 11 j 12:18	6°♓29'33	0°04'04
min. Earth dist.	-10725 Nov 12 j 03:24	6°♓24'37	4.31235 AU
direct	-10724 Jan 12 j 11:33	1°♓26'12	
evening set	-10724 May 19 j 23:59	19°♓44'02	
max. Earth dist.	-10724 May 31 j 20:07	22°♓21'54	6.32943 AU
conjunction	-10724 Jun 02 j 00:08	22°♓37'31	0°31'06
minimum elong	-10724 Jun 02 j 00:05	22°♓37'29	0°30'57
morning rise	-10724 Jun 14 j 21:00	25°♓29'19	
	-10724 Jul 05 j 15:44	0°♈	
retrograde	-10724 Oct 13 j 13:17	12°♈47'01	
opposition	-10724 Dec 12 j 20:57	7°♈55'00	1°21'17
min. Earth dist.	-10724 Dec 13 j 17:59	7°♈48'15	4.33715 AU
direct	-10723 Feb 13 j 08:14	2°♈53'58	
evening set	-10723 Jun 20 j 16:58	21°♈00'36	
max. Earth dist.	-10723 Jul 02 j 02:40	23°♈33'27	6.33290 AU
conjunction	-10723 Jul 03 j 07:53	23°♈49'50	1°17'00
minimum elong	-10723 Jul 03 j 07:48	23°♈49'47	1°17'12
morning rise	-10723 Jul 15 j 20:08	26°♈37'51	
	-10723 Jul 31 j 04:03	0°♉	
retrograde	-10723 Nov 14 j 17:26	14°♉06'26	
opposition	-10722 Jan 14 j 17:43	9°♉14'35	2°14'48
min. Earth dist.	-10722 Jan 15 j 13:43	9°♉08'14	4.32033 AU
direct	-10722 Mar 18 j 01:01	4°♉16'42	
	-10722 Jun 17 j 20:00	15°♉	
evening set	-10722 Jul 21 j 21:47	22°♉20'18	
max. Earth dist.	-10722 Aug 02 j 06:08	24°♉54'18	6.29590 AU
conjunction	-10722 Aug 03 j 06:48	25°♉08'17	1°40'37
minimum elong	-10722 Aug 03 j 06:45	25°♉08'16	1°41'04
morning rise	-10722 Aug 15 j 15:07	27°♉55'59	
	-10722 Aug 24 j 20:48	0°♊	
retrograde	-10722 Dec 18 j 00:13	15°♊54'48	
opposition	-10721 Feb 17 j 10:40	11°♊01'12	2°29'13
min. Earth dist.	-10721 Feb 18 j 00:24	10°♊56'50	4.26629 AU
direct	-10721 Apr 20 j 00:22	6°♊06'10	
evening set	-10721 Aug 22 j 06:58	24°♊14'35	
conjunction	-10721 Sep 03 j 17:00	27°♊05'33	1°34'20
minimum elong	-10721 Sep 03 j 17:03	27°♊05'35	1°34'56
max. Earth dist.	-10721 Sep 03 j 06:03	26°♊59'15	6.22898 AU
morning rise	-10721 Sep 16 j 04:01	29°♊57'13	
	-10721 Sep 16 j 08:54	0°♋	
retrograde	-10720 Jan 21 j 12:10	18°♋37'34	
opposition	-10720 Mar 23 j 01:32	13°♋40'47	1°57'27
min. Earth dist.	-10720 Mar 23 j 03:15	13°♋40'14	4.19090 AU
direct	-10720 May 22 j 11:02	8°♋47'40	
evening set	-10720 Sep 22 j 14:54	27°♋07'37	
	-10720 Oct 04 j 23:27	0°♌	
conjunction	-10720 Oct 05 j 08:06	0°♌05'02	0°58'00
minimum elong	-10720 Oct 05 j 08:11	0°♌05'05	0°58'33
max. Earth dist.	-10720 Oct 05 j 13:39	0°♌08'16	6.15234 AU
morning rise	-10720 Oct 18 j 04:09	3°♌04'03	
	-10720 Dec 13 j 12:17	15°♌	
retrograde	-10719 Feb 25 j 05:12	22°♌26'10	
opposition	-10719 Apr 27 j 09:31	17°♌25'32	0°45'30
min. Earth dist.	-10719 Apr 26 j 23:11	17°♌28'55	4.11816 AU
	-10719 May 16 j 19:17	15°℞♌	
direct	-10719 Jun 25 j 14:53	12°♌32'28	
	-10719 Aug 03 j 18:54	15°♌	
	-10719 Oct 21 j 13:27	0°♍	
evening set	-10719 Oct 26 j 12:57	1°♍09'24	
conjunction	-10719 Nov 08 j 16:28	4°♍14'04	0°01'16
minimum elong	-10719 Nov 08 j 16:28	4°♍14'05	0°01'34
behind sun begin	-10719 Nov 08 j 08:15	4°♍09'17	
behind sun end	-10719 Nov 09 j 00:41	4°♍18'52	
max. Earth dist.	-10719 Nov 09 j 15:22	4°♍27'30	6.09099 AU
desc. node	-10719 Nov 16 j 17:52	6°♍07'23	
morning rise	-10719 Nov 21 j 23:32	7°♍20'42	
retrograde	-10718 Apr 02 j 11:21	27°♍11'02	
opposition	-10718 Jun 01 j 22:59	22°♍07'15	-0°44'23
min. Earth dist.	-10718 Jun 01 j 03:54	22°♍13'39	4.07378 AU
direct	-10718 Jul 30 j 07:14	17°♍12'24	
	-10718 Nov 04 j 05:16	0°♎	
evening set	-10718 Dec 01 j 05:59	6°♎07'47	
conjunction	-10718 Dec 14 j 17:47	9°♎17'03	-0°56'53
minimum elong	-10718 Dec 14 j 17:41	9°♎17'00	0°56'56
max. Earth dist.	-10718 Dec 16 j 01:00	9°♎35'20	6.06707 AU
morning rise	-10718 Dec 28 j 08:50	12°♎27'57	
	-10717 Mar 30 j 12:35	0°♏	
retrograde	-10717 May 08 j 10:06	2°♏21'23	
	-10717 Jun 16 j 00:17	30°℞♎	
min. Earth dist.	-10717 Jul 06 j 07:25	27°♎23'27	4.07374 AU
opposition	-10717 Jul 07 j 04:23	27°♎16'17	-1°58'58
direct	-10717 Sep 03 j 09:05	22°♎18'16	
	-10717 Nov 14 j 18:03	0°♏	
evening set	-10716 Jan 07 j 03:19	11°♏25'49	

Attention, astronomical year style is used: The year -10716 in astronomical counting style is the year 10717 BCE in historical counting style.

conjunction	-10716 Jan 20 j 19:31	14°♏35'42	-1°34'26
minimum elong	-10716 Jan 20 j 19:27	14°♏35'40	1°34'47
max. Earth dist.	-10716 Jan 22 j 02:11	14°♏53'29	6.08973 AU
	-10716 Jan 22 j 13:26	15°♏	
morning rise	-10716 Feb 03 j 13:01	17°♏46'13	
	-10716 Apr 01 j 11:10	0°♐	
retrograde	-10716 Jun 11 j 11:34	7°♐14'15	
opposition	-10716 Aug 09 j 14:54	2°♐10'26	-2°29'44
min. Earth dist.	-10716 Aug 08 j 23:56	2°♐15'33	4.11787 AU
	-10716 Aug 26 j 01:31	30℞♏	
direct	-10716 Oct 07 j 09:58	27°♏09'05	
	-10716 Nov 19 j 00:09	0°♐	
evening set	-10715 Feb 12 j 00:27	16°♐15'26	
conjunction	-10715 Feb 25 j 17:14	19°♐22'52	-1°37'41
minimum elong	-10715 Feb 25 j 17:16	19°♐22'54	1°38'15
max. Earth dist.	-10715 Feb 26 j 09:22	19°♐32'06	6.15061 AU
morning rise	-10715 Mar 11 j 09:34	22°♐29'55	
	-10715 Apr 14 j 18:18	0°♑	
retrograde	-10715 Jul 15 j 02:23	11°♑13'28	
opposition	-10715 Sep 12 j 02:10	6°♑12'49	-2°07'53
min. Earth dist.	-10715 Sep 11 j 21:09	6°♑14'31	4.18941 AU
direct	-10715 Nov 10 j 23:35	1°♑09'04	
evening set	-10714 Mar 19 j 18:23	20°♑01'27	
conjunction	-10714 Apr 02 j 08:45	23°♑04'47	-1°07'35
minimum elong	-10714 Apr 02 j 08:50	23°♑04'50	1°08'10
max. Earth dist.	-10714 Apr 02 j 06:49	23°♑03'42	6.22763 AU
morning rise	-10714 Apr 15 j 20:40	26°♑06'47	
	-10714 May 03 j 12:15	0°♒	
retrograde	-10714 Aug 16 j 14:33	14°♒04'39	
opposition	-10714 Oct 14 j 18:40	9°♒07'53	-1°05'11
min. Earth dist.	-10714 Oct 15 j 01:53	9°♒05'29	4.26402 AU
direct	-10714 Dec 14 j 21:50	4°♒03'35	
	-10713 Mar 18 j 01:27	15°♒	
evening set	-10713 Apr 22 j 21:23	22°♒36'18	
max. Earth dist.	-10713 May 05 j 10:33	25°♒23'55	6.29484 AU
conjunction	-10713 May 06 j 05:27	25°♒34'27	-0°16'37
minimum elong	-10713 May 06 j 05:29	25°♒34'28	0°17'00
morning rise	-10713 May 19 j 10:09	28°♒30'51	
	-10713 May 26 j 03:44	0°♓	
asc. node	-10713 Sep 01 j 15:26	15°♓33'40	
retrograde	-10713 Sep 17 j 07:51	15°♓57'40	
opposition	-10713 Nov 16 j 01:44	11°♓04'03	0°15'40
min. Earth dist.	-10713 Nov 16 j 18:05	10°♓58'43	4.31825 AU
direct	-10712 Jan 17 j 03:21	6°♓00'54	
evening set	-10712 May 24 j 12:48	24°♓16'45	
max. Earth dist.	-10712 Jun 05 j 07:41	26°♓53'57	6.33206 AU
conjunction	-10712 Jun 06 j 11:41	27°♓09'33	0°38'30
minimum elong	-10712 Jun 06 j 11:37	27°♓09'31	0°38'25
morning rise	-10712 Jun 19 j 07:07	0°♈00'40	
	-10712 Jun 19 j 05:54	0°♈	
retrograde	-10712 Oct 18 j 01:17	17°♈18'43	
opposition	-10712 Dec 17 j 11:26	12°♈26'53	1°30'42
min. Earth dist.	-10712 Dec 18 j 08:48	12°♈20'03	4.33648 AU
direct	-10711 Feb 17 j 23:10	7°♈26'19	
evening set	-10711 Jun 25 j 03:37	25°♈32'24	
max. Earth dist.	-10711 Jul 06 j 10:47	28°♈04'09	6.32880 AU
conjunction	-10711 Jul 07 j 17:18	28°♈21'17	1°21'56
minimum elong	-10711 Jul 07 j 17:13	28°♈21'14	1°22'09
	-10711 Jul 15 j 01:16	0°♉	
morning rise	-10711 Jul 20 j 04:50	1°♉09'06	
	-10711 Sep 30 j 05:41	15°♉	
retrograde	-10711 Nov 19 j 09:44	18°♉41'23	

	-10710 Jan 10 j 02:07	15°℞♉	
opposition	-10710 Jan 19 j 11:15	13°♉49'23	2°19'30
min. Earth dist.	-10710 Jan 20 j 06:59	13°♉43'07	4.31334 AU
direct	-10710 Mar 22 j 16:59	8°♉51'55	
	-10710 May 28 j 14:35	15°♉	
evening set	-10710 Jul 26 j 08:14	26°♉56'18	
conjunction	-10710 Aug 07 j 17:09	29°♉44'32	1°41'37
minimum elong	-10710 Aug 07 j 17:07	29°♉44'31	1°42'07
max. Earth dist.	-10710 Aug 06 j 19:17	29°♉32'06	6.28667 AU
	-10710 Aug 08 j 20:22	0°♊	
morning rise	-10710 Aug 20 j 01:18	2°♊32'34	
retrograde	-10710 Dec 22 j 19:53	20°♊37'12	
opposition	-10709 Feb 22 j 07:50	15°♊43'17	2°27'31
min. Earth dist.	-10709 Feb 22 j 19:35	15°♊39'33	4.25570 AU
direct	-10709 Apr 24 j 17:40	10°♊48'42	
evening set	-10709 Aug 26 j 20:08	28°♊58'35	
	-10709 Aug 31 j 07:15	0°♋	
conjunction	-10709 Sep 08 j 06:42	1°♋50'18	1°30'53
minimum elong	-10709 Sep 08 j 06:46	1°♋50'20	1°31'28
max. Earth dist.	-10709 Sep 07 j 21:30	1°♋44'59	6.21812 AU
morning rise	-10709 Sep 20 j 18:47	4°♋42'52	
retrograde	-10708 Jan 26 j 13:15	23°♋29'20	
opposition	-10708 Mar 28 j 01:39	18°♋32'02	1°49'17
min. Earth dist.	-10708 Mar 28 j 01:25	18°♋32'06	4.18059 AU
direct	-10708 May 27 j 07:30	13°♋39'02	
	-10708 Sep 18 j 14:31	0°♌	
evening set	-10708 Sep 27 j 08:25	2°♌00'45	
conjunction	-10708 Oct 10 j 03:05	4°♌59'10	0°50'49
minimum elong	-10708 Oct 10 j 03:10	4°♌59'13	0°51'21
max. Earth dist.	-10708 Oct 10 j 12:32	5°♌04'41	6.14385 AU
morning rise	-10708 Oct 23 j 00:36	7°♌59'14	
	-10708 Nov 23 j 09:39	15°♌	
retrograde	-10707 Mar 02 j 08:13	27°♌25'34	
opposition	-10707 May 02 j 10:39	22°♌24'27	0°33'08
min. Earth dist.	-10707 May 01 j 22:31	22°♌28'26	4.11226 AU
direct	-10707 Jun 30 j 12:05	17°♌31'18	
desc. node	-10707 Sep 25 j 20:13	28°♌11'55	
	-10707 Oct 04 j 07:02	0°♍	
evening set	-10707 Oct 31 j 11:47	6°♍09'48	
conjunction	-10707 Nov 13 j 16:28	9°♍15'09	-0°07'28
minimum elong	-10707 Nov 13 j 16:28	9°♍15'08	0°07'12
behind sun begin	-10707 Nov 13 j 08:55	9°♍10'44	
behind sun end	-10707 Nov 14 j 00:01	9°♍19'33	
max. Earth dist.	-10707 Nov 14 j 16:16	9°♍29'06	6.08807 AU
morning rise	-10707 Nov 27 j 00:58	12°♍22'29	
	-10706 Feb 28 j 08:32	0°♎	
retrograde	-10706 Apr 07 j 12:07	2°♎13'44	
	-10706 May 15 j 10:50	30℞♍	
opposition	-10706 Jun 06 j 22:45	27°♍09'34	-0°56'33
min. Earth dist.	-10706 Jun 06 j 02:35	27°♍16'21	4.07407 AU
direct	-10706 Aug 04 j 05:54	22°♍14'19	
	-10706 Oct 15 j 15:24	0°♎	
evening set	-10706 Dec 06 j 08:45	11°♎10'45	
conjunction	-10706 Dec 19 j 21:29	14°♎20'12	-1°03'49
minimum elong	-10706 Dec 19 j 21:23	14°♎20'09	1°03'55
max. Earth dist.	-10706 Dec 21 j 06:24	14°♎39'27	6.07042 AU
morning rise	-10705 Jan 02 j 12:56	17°♎31'06	
	-10705 Mar 02 j 07:15	0°♏	
retrograde	-10705 May 13 j 09:44	7°♏21'31	
min. Earth dist.	-10705 Jul 11 j 05:09	2°♏23'16	4.07992 AU
opposition	-10705 Jul 12 j 00:57	2°♏16'30	-2°06'16
	-10705 Jul 29 j 09:05	30℞♎	

Attention, astronomical year style is used: The year -10705 in astronomical counting style is the year 10706 BCE in historical counting style.

direct	-10705 Sep 08 j 07:18	27°♎18'02		
	-10705 Oct 19 j 05:15	0°♏		
	-10704 Jan 06 j 01:48	15°♏		
evening set	-10704 Jan 12 j 07:08	16°♏25'30		
conjunction	-10704 Jan 25 j 23:25	19°♏35'04	-1°37'03	
minimum elong	-10704 Jan 25 j 23:22	19°♏35'02	1°37'28	
max. Earth dist.	-10704 Jan 27 j 03:02	19°♏51'02	6.09781 AU	
morning rise	-10704 Feb 08 j 17:04	22°♏45'11		
	-10704 Mar 12 j 09:36	0°♐		
retrograde	-10704 Jun 16 j 04:33	12°♐07'27		
opposition	-10704 Aug 14 j 07:37	7°♐04'00	-2°29'45	
min. Earth dist.	-10704 Aug 13 j 17:33	7°♐08'50	4.12715 AU	
direct	-10704 Oct 12 j 05:23	2°♐02'13		
evening set	-10703 Feb 17 j 01:23	21°♐07'23		
conjunction	-10703 Mar 02 j 18:07	24°♐14'23	-1°35'18	
minimum elong	-10703 Mar 02 j 18:10	24°♐14'24	1°35'53	
max. Earth dist.	-10703 Mar 03 j 07:31	24°♐22'01	6.16036 AU	
morning rise	-10703 Mar 16 j 09:59	27°♐20'49		
	-10703 Mar 28 j 05:57	0°♑		
retrograde	-10703 Jul 19 j 17:42	15°♑58'14		
opposition	-10703 Sep 16 j 16:17	10°♑58'10	-2°01'10	
min. Earth dist.	-10703 Sep 16 j 13:55	10°♑58'58	4.19854 AU	
direct	-10703 Nov 15 j 17:53	5°♑54'16		
evening set	-10702 Mar 24 j 14:47	24°♑44'51		
conjunction	-10702 Apr 07 j 04:36	27°♑47'41	-1°01'22	
minimum elong	-10702 Apr 07 j 04:41	27°♑47'44	1°01'55	
max. Earth dist.	-10702 Apr 06 j 23:42	27°♑44'55	6.23549 AU	
	-10702 Apr 17 j 00:05	0°♒		
morning rise	-10702 Apr 20 j 15:46	0°♒49'04		
	-10702 Jul 02 j 21:59	15°♒		
retrograde	-10702 Aug 21 j 01:09	18°♒42'36		
	-10702 Oct 09 j 23:21	15°℞♒		
opposition	-10702 Oct 19 j 07:28	13°♒46'21	-0°54'26	
min. Earth dist.	-10702 Oct 19 j 15:39	13°♒43'37	4.27006 AU	
direct	-10702 Dec 19 j 13:10	8°♒42'07		
	-10701 Feb 25 j 13:52	15°♒		
evening set	-10701 Apr 27 j 13:41	27°♒13'31		
conjunction	-10701 May 10 j 20:37	0°♓11'04	-0°08'46	
minimum elong	-10701 May 10 j 20:39	0°♓11'05	0°09'07	
behind sun begin	-10701 May 10 j 13:45	0°♓07'15		
behind sun end	-10701 May 11 j 03:32	0°♓14'55		
max. Earth dist.	-10701 May 10 j 00:00	29°♒59'34	6.29885 AU	
	-10701 May 10 j 00:47	0°♓		
morning rise	-10701 May 24 j 00:10	3°♓06'51		
asc. node	-10701 Jul 12 j 00:08	13°♓13'04		
retrograde	-10701 Sep 21 j 20:13	20°♓32'11		
opposition	-10701 Nov 20 j 15:19	15°♓38'58	0°27'08	
min. Earth dist.	-10701 Nov 21 j 09:03	15°♓33'12	4.32000 AU	
direct	-10700 Jan 21 j 19:24	10°♓36'10		
evening set	-10700 May 29 j 01:52	28°♓51'18		
	-10700 Jun 03 j 05:40	0°♈		
conjunction	-10700 Jun 10 j 23:26	1°♈43'34	0°45'41	
minimum elong	-10700 Jun 10 j 23:22	1°♈43'32	0°45'39	
max. Earth dist.	-10700 Jun 09 j 18:16	1°♈27'18	6.33130 AU	
morning rise	-10700 Jun 23 j 17:45	4°♈34'14		
retrograde	-10700 Oct 22 j 14:39	21°♈53'50		
opposition	-10700 Dec 22 j 03:22	17°♈02'02	1°39'39	
min. Earth dist.	-10700 Dec 23 j 00:11	16°♈55'23	4.33364 AU	
direct	-10699 Feb 22 j 14:38	12°♈01'53		
evening set	-10699 Jun 29 j 14:57	0°♉07'50		
	-10699 Jun 29 j 00:53	0°♉		
max. Earth dist.	-10699 Jul 10 j 23:32	2°♉40'36	6.32406 AU	

conjunction	-10699 Jul 12 j 03:42	2°♉56'27	1°26'24	
minimum elong	-10699 Jul 12 j 03:38	2°♉56'24	1°26'40	
morning rise	-10699 Jul 24 j 14:18	5°♉44'04		
	-10699 Sep 06 j 18:06	15°♉		
retrograde	-10699 Nov 24 j 02:25	23°♉20'06		
opposition	-10698 Jan 24 j 06:08	18°♉27'57	2°23'21	
min. Earth dist.	-10698 Jan 25 j 00:54	18°♉22'00	4.30713 AU	
	-10698 Feb 23 j 15:51	15°℞♉		
direct	-10698 Mar 27 j 10:20	13°♉30'57		
	-10698 Apr 28 j 00:31	15°♉		
	-10698 Jul 23 j 17:43	0°♊		
evening set	-10698 Jul 30 j 19:43	1°♊35'26		
max. Earth dist.	-10698 Aug 11 j 07:09	4°♊11'49	6.27928 AU	
conjunction	-10698 Aug 12 j 04:16	4°♊23'50	1°42'00	
minimum elong	-10698 Aug 12 j 04:16	4°♊23'50	1°42'31	
morning rise	-10698 Aug 24 j 12:40	7°♊12'14		
retrograde	-10698 Dec 27 j 16:26	25°♊21'47		
opposition	-10697 Feb 27 j 05:21	20°♊27'23	2°24'50	
min. Earth dist.	-10697 Feb 27 j 15:08	20°♊24'16	4.24754 AU	
direct	-10697 Apr 29 j 11:39	15°♊33'02		
	-10697 Aug 14 j 21:09	0°♋		
evening set	-10697 Aug 31 j 09:12	3°♋43'25		
conjunction	-10697 Sep 12 j 20:44	6°♋35'50	1°26'49	
minimum elong	-10697 Sep 12 j 20:48	6°♋35'53	1°27'25	
max. Earth dist.	-10697 Sep 12 j 15:25	6°♋32'46	6.20990 AU	
morning rise	-10697 Sep 25 j 09:41	9°♋29'11		
retrograde	-10696 Jan 31 j 13:38	28°♋20'35		
opposition	-10696 Apr 02 j 01:06	23°♋22'45	1°40'23	
min. Earth dist.	-10696 Apr 01 j 23:25	23°♋23'18	4.17269 AU	
direct	-10696 Jun 01 j 03:07	18°♋29'50		
	-10696 Sep 01 j 07:54	0°♌		
evening set	-10696 Oct 02 j 01:27	6°♌52'37		
conjunction	-10696 Oct 14 j 21:19	9°♌51'54	0°43'20	
minimum elong	-10696 Oct 14 j 21:23	9°♌51'57	0°43'49	
max. Earth dist.	-10696 Oct 15 j 07:47	9°♌58'01	6.13693 AU	
morning rise	-10696 Oct 27 j 20:29	12°♌52'59		
	-10696 Nov 06 j 01:23	15°♌		
	-10695 Jan 26 j 11:35	0°♍		
retrograde	-10695 Mar 07 j 08:49	2°♍23'02		
	-10695 Apr 16 j 06:07	30°℞♌		
opposition	-10695 May 07 j 10:23	27°♌21'21	0°20'37	
min. Earth dist.	-10695 May 06 j 20:26	27°♌25'57	4.10679 AU	
direct	-10695 Jul 05 j 08:27	22°♌27'57		
desc. node	-10695 Aug 05 j 18:37	24°♌04'46		
	-10695 Sep 14 j 19:40	0°♍		
evening set	-10695 Nov 05 j 10:01	11°♍08'17		
conjunction	-10695 Nov 18 j 16:09	14°♍14'21	-0°15'58	
minimum elong	-10695 Nov 18 j 16:07	14°♍14'20	0°15'44	
behind sun begin	-10695 Nov 18 j 14:36	14°♍13'27		
behind sun end	-10695 Nov 18 j 17:38	14°♍15'13		
max. Earth dist.	-10695 Nov 19 j 18:47	14°♍29'58	6.08468 AU	
morning rise	-10695 Dec 02 j 01:42	17°♍22'19		
	-10694 Jan 30 j 14:15	0°♎		
retrograde	-10694 Apr 12 j 14:18	7°♎14'31		
opposition	-10694 Jun 11 j 21:20	2°♎10'08	-1°08'14	
min. Earth dist.	-10694 Jun 11 j 01:42	2°♎16'45	4.07321 AU	
	-10694 Jun 28 j 13:44	30°℞♍		
direct	-10694 Aug 09 j 03:57	27°♍14'28		
	-10694 Sep 19 j 09:27	0°♎		
evening set	-10694 Dec 11 j 11:38	16°♎12'42		
conjunction	-10694 Dec 25 j 00:57	19°♎22'20	-1°10'15	
minimum elong	-10694 Dec 25 j 00:51	19°♎22'16	1°10'23	

Attention, astronomical year style is used: The year -10693 in astronomical counting style is the year 10694 BCE in historical counting style.

max. Earth dist.	-10694 Dec 26 j 08:26	19°♎40'42	6.07194 AU
morning rise	-10693 Jan 07 j 17:09	22°♎33'23	
	-10693 Feb 10 j 00:38	0°♏	
retrograde	-10693 May 18 j 07:18	12°♏21'20	
opposition	-10693 Jul 16 j 21:08	7°♏16'24	-2°12'41
min. Earth dist.	-10693 Jul 16 j 01:14	7°♏23'12	4.08391 AU
direct	-10693 Sep 13 j 04:03	2°♏17'23	
	-10693 Dec 19 j 16:31	15°♏	
evening set	-10692 Jan 17 j 11:10	21°♏25'36	
conjunction	-10692 Jan 31 j 03:47	24°♏35'00	-1°38'58
minimum elong	-10692 Jan 31 j 03:44	24°♏34'59	1°39'26
max. Earth dist.	-10692 Feb 01 j 05:52	24°♏50'04	6.10383 AU
morning rise	-10692 Feb 13 j 21:18	27°♏44'46	
	-10692 Feb 23 j 19:08	0°♐	
retrograde	-10692 Jun 21 j 00:17	17°♐02'01	
opposition	-10692 Aug 19 j 01:16	11°♐58'57	-2°28'43
min. Earth dist.	-10692 Aug 18 j 13:37	12°♐02'56	4.13449 AU
direct	-10692 Oct 17 j 02:54	6°♐56'46	
evening set	-10691 Feb 22 j 03:15	26°♐01'08	
conjunction	-10691 Mar 07 j 19:53	29°♐07'46	-1°32'14
minimum elong	-10691 Mar 07 j 19:57	29°♐07'48	1°32'49
max. Earth dist.	-10691 Mar 08 j 07:00	29°♐14'06	6.16842 AU
	-10691 Mar 11 j 15:41	0°♑	
morning rise	-10691 Mar 21 j 11:19	2°♑13'41	
retrograde	-10691 Jul 24 j 07:42	20°♑45'22	
opposition	-10691 Sep 21 j 07:31	15°♑45'50	-1°53'35
min. Earth dist.	-10691 Sep 21 j 05:56	15°♑46'22	4.20654 AU
direct	-10691 Nov 20 j 11:53	10°♑41'46	
evening set	-10690 Mar 29 j 12:31	29°♑30'46	
	-10690 Mar 31 j 16:54	0°♒	
conjunction	-10690 Apr 12 j 01:34	2°♒33'01	-0°54'40
minimum elong	-10690 Apr 12 j 01:39	2°♒33'04	0°55'11
max. Earth dist.	-10690 Apr 11 j 17:26	2°♒28'27	6.24303 AU
morning rise	-10690 Apr 25 j 11:59	5°♒33'48	
	-10690 Jun 09 j 10:05	15°♒	
retrograde	-10690 Aug 25 j 15:26	23°♒23'06	
opposition	-10690 Oct 23 j 22:05	18°♒27'22	-0°43'10
min. Earth dist.	-10690 Oct 24 j 08:30	18°♒23'55	4.27637 AU
	-10690 Nov 21 j 19:10	15°℞♒	
direct	-10690 Dec 24 j 08:07	13°♒23'17	
	-10689 Jan 26 j 05:06	15°♒	
	-10689 Apr 23 j 17:26	0°♓	
evening set	-10689 May 02 j 06:43	1°♓52'54	
conjunction	-10689 May 15 j 12:36	4°♓49'49	-0°00'43
minimum elong	-10689 May 15 j 12:36	4°♓49'49	0°01'02
behind sun begin	-10689 May 15 j 04:28	4°♓45'18	
behind sun end	-10689 May 15 j 20:45	4°♓54'20	
max. Earth dist.	-10689 May 14 j 15:12	4°♓37'52	6.30360 AU
asc. node	-10689 May 20 j 10:15	5°♓55'29	
morning rise	-10689 May 28 j 14:51	7°♓44'54	
retrograde	-10689 Sep 26 j 08:02	25°♓08'39	
opposition	-10689 Nov 25 j 06:23	20°♓15'44	0°38'32
min. Earth dist.	-10689 Nov 25 j 23:46	20°♓10'06	4.32313 AU
direct	-10688 Jan 26 j 11:25	15°♓13'19	
	-10688 May 17 j 20:09	0°♈	
evening set	-10688 Jun 02 j 15:30	3°♈26'59	
max. Earth dist.	-10688 Jun 14 j 06:39	6°♈02'25	6.33269 AU
conjunction	-10688 Jun 15 j 11:36	6°♈18'35	0°52'38
minimum elong	-10688 Jun 15 j 11:31	6°♈18'33	0°52'38
morning rise	-10688 Jun 28 j 04:37	9°♈08'38	
retrograde	-10688 Oct 27 j 05:25	26°♈29'10	
opposition	-10688 Dec 26 j 20:00	21°♈37'29	1°48'00
min. Earth dist.	-10688 Dec 27 j 17:12	21°♈30'44	4.33332 AU
direct	-10687 Feb 27 j 08:17	16°♈37'49	
	-10687 Jun 12 j 12:16	0°♉	
evening set	-10687 Jul 04 j 02:09	4°♉42'35	
max. Earth dist.	-10687 Jul 15 j 10:11	7°♉15'14	6.32188 AU
conjunction	-10687 Jul 16 j 13:55	7°♉30'50	1°30'19
minimum elong	-10687 Jul 16 j 13:51	7°♉30'47	1°30'38
morning rise	-10687 Jul 28 j 23:51	10°♉18'14	
	-10687 Aug 19 j 10:21	15°♉	
retrograde	-10687 Nov 28 j 18:16	27°♉57'15	
opposition	-10686 Jan 29 j 00:40	23°♉04'51	2°26'14
min. Earth dist.	-10686 Jan 29 j 17:36	22°♉59'29	4.30336 AU
direct	-10686 Apr 01 j 02:04	18°♉08'16	
	-10686 Jul 06 j 21:50	0°♊	
evening set	-10686 Aug 04 j 06:02	6°♊12'03	
conjunction	-10686 Aug 16 j 14:36	9°♊00'37	1°41'43
minimum elong	-10686 Aug 16 j 14:37	9°♊00'37	1°42'14
max. Earth dist.	-10686 Aug 15 j 20:43	8°♊50'25	6.27417 AU
morning rise	-10686 Aug 28 j 23:01	11°♊49'16	
	-10686 Dec 26 j 16:56	0°♋	
retrograde	-10685 Jan 01 j 12:50	0°♋03'07	
	-10685 Jan 07 j 08:12	30°℞♊	
opposition	-10685 Mar 04 j 01:51	25°♊08'20	2°21'10
min. Earth dist.	-10685 Mar 04 j 10:50	25°♊05'29	4.24120 AU
direct	-10685 May 04 j 05:31	20°♊14'18	
	-10685 Jul 28 j 06:11	0°♋	
evening set	-10685 Sep 04 j 21:10	8°♋24'44	
conjunction	-10685 Sep 17 j 09:21	11°♋17'47	1°22'13
minimum elong	-10685 Sep 17 j 09:26	11°♋17'50	1°22'49
max. Earth dist.	-10685 Sep 17 j 04:45	11°♋15'08	6.20283 AU
morning rise	-10685 Sep 29 j 23:34	14°♋11'58	
	-10685 Dec 21 j 03:39	0°♌	
retrograde	-10684 Feb 05 j 10:52	3°♌08'01	
	-10684 Mar 23 j 08:30	30°℞♋	
opposition	-10684 Apr 06 j 22:35	28°♋09'38	1°30'54
min. Earth dist.	-10684 Apr 06 j 18:44	28°♋10'53	4.16521 AU
direct	-10684 Jun 05 j 20:00	23°♋16'45	
	-10684 Aug 12 j 15:31	0°♌	
evening set	-10684 Oct 06 j 17:18	11°♌40'54	
conjunction	-10684 Oct 19 j 14:40	14°♌41'07	0°35'37
minimum elong	-10684 Oct 19 j 14:44	14°♌41'09	0°36'05
max. Earth dist.	-10684 Oct 20 j 04:16	14°♌49'03	6.12989 AU
	-10684 Oct 20 j 23:01	15°♌	
morning rise	-10684 Nov 01 j 15:09	17°♌43'08	
	-10684 Dec 29 j 16:05	0°♍	
retrograde	-10683 Mar 12 j 09:43	7°♍16'57	
opposition	-10683 May 12 j 08:21	2°♍14'52	0°08'07
min. Earth dist.	-10683 May 11 j 18:31	2°♍19'27	4.10064 AU
	-10683 May 30 j 00:44	30°℞♌	
desc. node	-10683 Jun 16 j 18:17	28°♌15'43	
direct	-10683 Jul 10 j 04:26	27°♌21'17	
	-10683 Aug 19 j 16:53	0°♍	
evening set	-10683 Nov 10 j 07:33	16°♍04'08	
conjunction	-10683 Nov 23 j 14:45	19°♍10'55	-0°24'16
minimum elong	-10683 Nov 23 j 14:42	19°♍10'53	0°24'06
max. Earth dist.	-10683 Nov 24 j 17:00	19°♍26'18	6.07990 AU
morning rise	-10683 Dec 07 j 01:41	22°♍19'38	
	-10682 Jan 10 j 08:27	0°♎	
retrograde	-10682 Apr 17 j 13:27	12°♎13'23	
opposition	-10682 Jun 16 j 18:35	7°♎08'48	-1°19'18
min. Earth dist.	-10682 Jun 15 j 22:00	7°♎15'45	4.07048 AU
direct	-10682 Aug 13 j 23:22	2°♎12'43	

Attention, astronomical year style is used: The year -10682 in astronomical counting style is the year 10683 BCE in historical counting style.

evening set	-10682 Dec 16 j 14:07	21°♎13'48	
conjunction	-10682 Dec 30 j 04:13	24°♎23'44	-1°16'06
minimum elong	-10682 Dec 30 j 04:07	24°♎23'41	1°16'17
max. Earth dist.	-10682 Dec 31 j 11:41	24°♎42'06	6.07142 AU
morning rise	-10681 Jan 12 j 20:47	27°♎34'57	
	-10681 Jan 23 j 09:28	0°♏	
	-10681 Apr 14 j 11:52	15°♏	
retrograde	-10681 May 23 j 06:35	17°♏21'20	
	-10681 Jun 30 j 15:28	15°℞♏	
opposition	-10681 Jul 21 j 17:02	12°♏16'32	-2°18'05
min. Earth dist.	-10681 Jul 20 j 22:52	12°♏22'45	4.08579 AU
direct	-10681 Sep 18 j 02:00	7°♏17'03	
	-10681 Nov 29 j 21:21	15°♏	
evening set	-10680 Jan 22 j 15:38	26°♏26'53	
conjunction	-10680 Feb 05 j 08:33	29°♏36'13	-1°40'09
minimum elong	-10680 Feb 05 j 08:31	29°♏36'12	1°40'37
max. Earth dist.	-10680 Feb 06 j 09:28	29°♏50'35	6.10796 AU
	-10680 Feb 07 j 01:47	0°♐	
morning rise	-10680 Feb 19 j 02:01	2°♐45'45	
retrograde	-10680 Jun 25 j 18:32	21°♐58'23	
opposition	-10680 Aug 23 j 19:02	16°♐55'45	-2°26'36
min. Earth dist.	-10680 Aug 23 j 07:45	16°♐59'36	4.14067 AU
direct	-10680 Oct 21 j 22:20	11°♐53'14	
	-10679 Feb 23 j 00:12	0°♑	
evening set	-10679 Feb 27 j 05:44	0°♑57'08	
conjunction	-10679 Mar 12 j 22:02	4°♑03'21	-1°28'27
minimum elong	-10679 Mar 12 j 22:07	4°♑03'24	1°29'04
max. Earth dist.	-10679 Mar 13 j 05:46	4°♑07'46	6.17624 AU
morning rise	-10679 Mar 26 j 13:07	7°♑08'47	
retrograde	-10679 Jul 29 j 00:08	25°♑34'47	
opposition	-10679 Sep 25 j 23:44	20°♑35'44	-1°45'09
min. Earth dist.	-10679 Sep 26 j 00:20	20°♑35'32	4.21512 AU
direct	-10679 Nov 25 j 09:25	15°♑31'32	
	-10678 Mar 14 j 18:17	0°♒	
evening set	-10678 Apr 03 j 10:08	4°♒18'15	
conjunction	-10678 Apr 16 j 22:34	7°♒19'53	-0°47'32
minimum elong	-10678 Apr 16 j 22:38	7°♒19'55	0°48'03
max. Earth dist.	-10678 Apr 16 j 13:54	7°♒15'01	6.25188 AU
morning rise	-10678 Apr 30 j 07:53	10°♒19'53	
	-10678 May 21 j 16:36	15°♒	
retrograde	-10678 Aug 30 j 03:24	28°♒04'27	
opposition	-10678 Oct 28 j 12:49	23°♒09'08	-0°31'35
min. Earth dist.	-10678 Oct 28 j 23:20	23°♒05'39	4.28466 AU
direct	-10678 Dec 29 j 01:30	18°♒05'09	
asc. node	-10677 Mar 28 j 22:20	28°♒18'35	
	-10677 Apr 06 j 10:03	0°♓	
evening set	-10677 May 06 j 23:22	6°♓31'59	
max. Earth dist.	-10677 May 19 j 04:08	9°♓14'50	6.31059 AU
conjunction	-10677 May 20 j 03:48	9°♓28'02	0°07'24
minimum elong	-10677 May 20 j 03:46	9°♓28'01	0°07'08
behind sun begin	-10677 May 19 j 20:18	9°♓23'52	
behind sun end	-10677 May 20 j 11:14	9°♓32'10	
morning rise	-10677 Jun 02 j 04:51	12°♓22'18	
retrograde	-10677 Sep 30 j 21:10	29°♓43'43	
opposition	-10677 Nov 29 j 20:59	24°♓51'02	0°49'40
min. Earth dist.	-10677 Nov 30 j 16:01	24°♓44'53	4.32811 AU
direct	-10676 Jan 31 j 05:14	19°♓48'51	
	-10676 Apr 30 j 04:41	0°♈	
evening set	-10676 Jun 07 j 03:37	8°♈00'15	
conjunction	-10676 Jun 19 j 22:29	10°♈51'10	0°59'14
minimum elong	-10676 Jun 19 j 22:25	10°♈51'08	0°59'17
max. Earth dist.	-10676 Jun 18 j 17:49	10°♈35'09	6.33490 AU
morning rise	-10676 Jul 02 j 14:12	13°♈40'35	
	-10676 Oct 05 j 23:33	0°♉	
retrograde	-10676 Oct 31 j 17:30	1°♉01'55	
	-10676 Nov 26 j 15:42	30°℞♈	
opposition	-10676 Dec 31 j 11:37	26°♈10'11	1°55'39
min. Earth dist.	-10675 Jan 01 j 07:51	26°♈03'45	4.33272 AU
direct	-10675 Mar 03 j 22:25	21°♈10'53	
	-10675 May 25 j 09:46	0°♉	
evening set	-10675 Jul 08 j 11:58	9°♉14'35	
conjunction	-10675 Jul 20 j 22:49	12°♉02'34	1°33'41
minimum elong	-10675 Jul 20 j 22:45	12°♉02'32	1°34'03
max. Earth dist.	-10675 Jul 19 j 19:59	11°♉47'26	6.31821 AU
morning rise	-10675 Aug 02 j 08:05	14°♉49'49	
	-10675 Aug 03 j 02:18	15°♉	
	-10675 Oct 23 j 02:16	0°♊	
retrograde	-10675 Dec 03 j 11:44	2°♊32'34	
	-10674 Jan 14 j 12:17	30°℞♉	
opposition	-10674 Feb 02 j 18:44	27°♉39'55	2°28'18
min. Earth dist.	-10674 Feb 03 j 11:56	27°♉34'29	4.29679 AU
direct	-10674 Apr 05 j 18:46	22°♉43'42	
	-10674 Jun 17 j 20:00	0°♊	
evening set	-10674 Aug 08 j 16:09	10°♊47'50	
max. Earth dist.	-10674 Aug 20 j 07:26	13°♊26'52	6.26510 AU
conjunction	-10674 Aug 21 j 00:47	13°♊36'46	1°40'50
minimum elong	-10674 Aug 21 j 00:48	13°♊36'47	1°41'23
morning rise	-10674 Sep 02 j 09:41	16°♊25'58	
	-10674 Nov 09 j 11:22	0°♋	
retrograde	-10673 Jan 06 j 08:20	4°♋45'32	
	-10673 Mar 07 j 15:59	30°℞♊	
opposition	-10673 Mar 08 j 22:35	29°♊50'15	2°16'41
min. Earth dist.	-10673 Mar 09 j 05:17	29°♊48'06	4.23026 AU
direct	-10673 May 08 j 21:13	24°♊56'26	
	-10673 Jul 06 j 19:49	0°♋	
evening set	-10673 Sep 09 j 10:21	13°♋08'42	
conjunction	-10673 Sep 21 j 23:43	16°♋02'44	1°17'03
minimum elong	-10673 Sep 21 j 23:48	16°♋02'47	1°17'39
max. Earth dist.	-10673 Sep 21 j 22:11	16°♋01'50	6.19105 AU
morning rise	-10673 Oct 04 j 15:03	18°♋57'58	
	-10673 Nov 25 j 12:38	0°♌	
retrograde	-10672 Feb 10 j 13:04	8°♌00'22	
opposition	-10672 Apr 11 j 22:21	3°♌01'28	1°20'39
min. Earth dist.	-10672 Apr 11 j 18:00	3°♌02'52	4.15325 AU
	-10672 May 07 j 03:29	30°℞♋	
direct	-10672 Jun 10 j 16:39	28°♋08'35	
	-10672 Jul 14 j 19:28	0°♌	
	-10672 Oct 04 j 14:35	15°♌	
evening set	-10672 Oct 11 j 12:19	16°♌35'47	
conjunction	-10672 Oct 24 j 11:04	19°♌37'08	0°27'30
minimum elong	-10672 Oct 24 j 11:07	19°♌37'10	0°27'56
max. Earth dist.	-10672 Oct 25 j 01:41	19°♌45'40	6.11891 AU
morning rise	-10672 Nov 06 j 13:20	22°♌40'24	
	-10672 Dec 09 j 07:30	0°♍	
retrograde	-10671 Mar 17 j 12:32	12°♍19'14	
desc. node	-10671 Apr 26 j 08:50	9°♍55'23	
opposition	-10671 May 17 j 09:34	7°♍16'43	-0°04'49
min. Earth dist.	-10671 May 16 j 17:36	7°♍22'01	4.09171 AU
direct	-10671 Jul 15 j 01:27	2°♍22'55	
evening set	-10671 Nov 15 j 09:35	21°♍09'27	
conjunction	-10671 Nov 28 j 18:07	24°♍17'04	-0°32'41
minimum elong	-10671 Nov 28 j 18:04	24°♍17'01	0°32'34
max. Earth dist.	-10671 Nov 29 j 22:25	24°♍33'39	6.07390 AU

Attention, astronomical year style is used: The year -10671 in astronomical counting style is the year 10672 BCE in historical counting style.

morning rise	-10671 Dec 12 j 06:06	27°♍26'31		
	-10671 Dec 23 j 08:21	0°♎		
retrograde	-10670 Apr 22 j 18:43	17°♎21'55		
opposition	-10670 Jun 21 j 19:44	12°♎17'12	-1°30'11	
min. Earth dist.	-10670 Jun 20 j 23:34	12°♎24'03	4.06824 AU	
direct	-10670 Aug 19 j 00:34	7°♎20'44		
evening set	-10670 Dec 21 j 21:18	26°♎24'28		
conjunction	-10669 Jan 04 j 12:05	29°♎34'36	-1°21'35	
minimum elong	-10669 Jan 04 j 11:59	29°♎34'33	1°21'49	
max. Earth dist.	-10669 Jan 05 j 20:29	29°♎53'29	6.07331 AU	
	-10669 Jan 06 j 07:39	0°♏		
morning rise	-10669 Jan 18 j 05:06	2°♏45'52		
	-10669 Mar 16 j 18:43	15°♏		
retrograde	-10669 May 28 j 07:09	22°♏29'01		
opposition	-10669 Jul 26 j 16:01	17°♏24'27	-2°22'35	
min. Earth dist.	-10669 Jul 25 j 21:21	17°♏30'51	4.09226 AU	
	-10669 Aug 14 j 01:26	15°℞♏		
direct	-10669 Sep 23 j 01:31	12°♏24'38		
	-10669 Nov 02 j 07:26	15°♏		
	-10668 Jan 21 j 01:39	0°♐		
evening set	-10668 Jan 27 j 22:57	1°♐34'04		
conjunction	-10668 Feb 10 j 15:47	4°♐42'56	-1°40'37	
minimum elong	-10668 Feb 10 j 15:47	4°♐42'56	1°41'07	
max. Earth dist.	-10668 Feb 11 j 14:40	4°♐56'06	6.11856 AU	
morning rise	-10668 Feb 24 j 09:10	7°♐51'54		
retrograde	-10668 Jun 30 j 14:04	26°♐57'16		
opposition	-10668 Aug 28 j 14:20	21°♐55'04	-2°23'22	
min. Earth dist.	-10668 Aug 28 j 04:34	21°♐58'24	4.15441 AU	
direct	-10668 Oct 26 j 22:58	16°♐52'16		
	-10667 Feb 05 j 13:09	0°♑		
evening set	-10667 Mar 04 j 07:51	5°♑52'30		
conjunction	-10667 Mar 17 j 23:53	8°♑57'55	-1°24'06	
minimum elong	-10667 Mar 17 j 23:59	8°♑57'58	1°24'41	
max. Earth dist.	-10667 Mar 18 j 07:15	9°♑02'05	6.19228 AU	
morning rise	-10667 Mar 31 j 14:06	12°♑02'19		
	-10667 Jul 19 j 11:24	0°♒		
retrograde	-10667 Aug 02 j 13:08	0°♒19'45		
	-10667 Aug 16 j 13:29	30°℞♑		
opposition	-10667 Sep 30 j 14:24	25°♑21'18	-1°36'07	
min. Earth dist.	-10667 Sep 30 j 15:46	25°♑20'50	4.23183 AU	
direct	-10667 Nov 30 j 04:17	20°♑17'04		
	-10666 Feb 24 j 13:23	0°♒		
evening set	-10666 Apr 08 j 04:52	8°♒58'39		
conjunction	-10666 Apr 21 j 16:08	11°♒59'11	-0°40'19	
minimum elong	-10666 Apr 21 j 16:12	11°♒59'13	0°40'48	
max. Earth dist.	-10666 Apr 21 j 03:43	11°♒52'14	6.26798 AU	
morning rise	-10666 May 05 j 00:30	14°♒58'07		
	-10666 May 05 j 03:54	15°♒		
	-10666 Jul 24 j 16:53	0°♓		
retrograde	-10666 Sep 03 j 13:01	2°♓36'03		
	-10666 Oct 14 j 15:54	30°℞♒		
opposition	-10666 Nov 02 j 00:11	27°♒41'11	-0°20'14	
min. Earth dist.	-10666 Nov 02 j 13:01	27°♒36'58	4.29870 AU	
direct	-10665 Jan 02 j 17:48	22°♒37'19		
asc. node	-10665 Feb 06 j 17:59	24°♒25'40		
	-10665 Mar 18 j 08:52	0°♓		
evening set	-10665 May 11 j 10:41	10°♓59'36		
conjunction	-10665 May 24 j 13:55	13°♓54'40	0°15'01	
minimum elong	-10665 May 24 j 13:54	13°♓54'39	0°14'48	
behind sun begin	-10665 May 24 j 10:41	13°♓52'53		
behind sun end	-10665 May 24 j 17:06	13°♓56'26		
max. Earth dist.	-10665 May 23 j 13:45	13°♓41'12	6.32145 AU	

morning rise	-10665 Jun 06 j 13:28	16°♓47'55		
	-10665 Aug 13 j 16:07	0°♈		
retrograde	-10665 Oct 05 j 03:27	4°♈06'29		
	-10665 Nov 28 j 07:39	30°℞♓		
opposition	-10665 Dec 04 j 06:46	29°♓14'04	0°59'59	
min. Earth dist.	-10665 Dec 05 j 02:11	29°♓07'49	4.33506 AU	
direct	-10664 Feb 04 j 15:49	24°♓12'14		
	-10664 Apr 10 j 05:09	0°♈		
evening set	-10664 Jun 11 j 10:23	12°♈21'03		
max. Earth dist.	-10664 Jun 22 j 20:52	14°♈54'00	6.33716 AU	
conjunction	-10664 Jun 24 j 03:47	15°♈11'17	1°05'10	
minimum elong	-10664 Jun 24 j 03:42	15°♈11'14	1°05'16	
morning rise	-10664 Jul 06 j 18:29	18°♈00'09		
	-10664 Sep 04 j 21:16	0°♉		
retrograde	-10664 Nov 05 j 03:32	5°♉22'51		
opposition	-10663 Jan 04 j 22:28	0°♉31'10	2°02'18	
min. Earth dist.	-10663 Jan 05 j 20:21	0°♉24'12	4.33022 AU	
	-10663 Jan 09 j 00:34	30°℞♈		
direct	-10663 Mar 08 j 09:27	25°♈32'13		
	-10663 May 03 j 23:19	0°♉		
evening set	-10663 Jul 12 j 17:01	13°♉35'52		
	-10663 Jul 18 j 22:46	15°♉		
max. Earth dist.	-10663 Jul 24 j 00:39	16°♉08'46	6.31097 AU	
conjunction	-10663 Jul 25 j 03:21	16°♉23'50	1°36'23	
minimum elong	-10663 Jul 25 j 03:18	16°♉23'48	1°36'46	
morning rise	-10663 Aug 06 j 12:10	19°♉11'11		
	-10663 Sep 27 j 21:12	0°♊		
retrograde	-10663 Dec 08 j 00:00	6°♊59'08		
opposition	-10662 Feb 07 j 08:42	2°♊06'15	2°29'26	
min. Earth dist.	-10662 Feb 08 j 00:35	2°♊01'13	4.28551 AU	
	-10662 Feb 24 j 12:46	30°℞♉		
direct	-10662 Apr 10 j 04:24	27°♉10'24		
	-10662 May 24 j 02:13	0°♊		
evening set	-10662 Aug 12 j 23:08	15°♊16'48		
conjunction	-10662 Aug 25 j 08:04	18°♊06'27	1°39'21	
minimum elong	-10662 Aug 25 j 08:06	18°♊06'28	1°39'55	
max. Earth dist.	-10662 Aug 24 j 16:01	17°♊57'16	6.25066 AU	
morning rise	-10662 Sep 06 j 17:32	20°♊56'30		
	-10662 Oct 18 j 20:59	0°♋		
retrograde	-10661 Jan 11 j 05:00	9°♋23'56		
opposition	-10661 Mar 13 j 17:32	4°♋28'14	2°11'25	
min. Earth dist.	-10661 Mar 13 j 23:57	4°♋26'11	4.21354 AU	
	-10661 Apr 27 j 03:13	30°℞♊		
direct	-10661 May 13 j 12:36	29°♊34'38		
	-10661 May 29 j 19:56	0°♋		
evening set	-10661 Sep 13 j 22:38	17°♋50'54		
conjunction	-10661 Sep 26 j 13:12	20°♋46'12	1°11'25	
minimum elong	-10661 Sep 26 j 13:17	20°♋46'15	1°11'59	
max. Earth dist.	-10661 Sep 26 j 13:18	20°♋46'15	6.17371 AU	
morning rise	-10661 Oct 09 j 06:07	23°♋42'51		
	-10661 Nov 06 j 08:22	0°♌		
retrograde	-10660 Feb 15 j 13:06	12°♌53'28		
opposition	-10660 Apr 16 j 21:36	7°♌54'02	1°09'50	
min. Earth dist.	-10660 Apr 16 j 14:27	7°♌56'22	4.13680 AU	
direct	-10660 Jun 15 j 10:15	3°♌01'10		
	-10660 Sep 17 j 07:25	15°♌		
evening set	-10660 Oct 16 j 08:27	21°♌33'08		
conjunction	-10660 Oct 29 j 08:49	24°♌35'48	0°19'07	
minimum elong	-10660 Oct 29 j 08:50	24°♌35'49	0°19'31	
max. Earth dist.	-10660 Oct 30 j 02:34	24°♌46'12	6.10494 AU	
morning rise	-10660 Nov 11 j 12:38	27°♌40'23		
	-10660 Nov 21 j 14:44	0°♍		

Attention, astronomical year style is used: The year -10659 in astronomical counting style is the year 10660 BCE in historical counting style.

desc. node	-10659 Mar 05 j 09:47	16°♍56'30	
retrograde	-10659 Mar 22 j 18:23	17°♍24'59	
opposition	-10659 May 22 j 11:35	12°♍21'58	-0°17'52
min. Earth dist.	-10659 May 21 j 18:40	12°♍27'37	4.08149 AU
direct	-10659 Jul 20 j 01:26	7°♍27'50	
evening set	-10659 Nov 20 j 13:19	26°♍18'21	
conjunction	-10659 Dec 03 j 23:05	29°♍26'43	-0°40'55
minimum elong	-10659 Dec 03 j 23:00	29°♍26'41	0°40'51
max. Earth dist.	-10659 Dec 05 j 05:57	29°♍44'49	6.06824 AU
	-10659 Dec 06 j 07:50	0°♎	
morning rise	-10659 Dec 17 j 12:12	2°♎36'52	
retrograde	-10658 Apr 27 j 22:34	22°♎32'54	
opposition	-10658 Jun 26 j 21:20	17°♎27'57	-1°40'24
min. Earth dist.	-10658 Jun 25 j 23:55	17°♎35'13	4.06789 AU
direct	-10658 Aug 24 j 00:43	12°♎31'00	
	-10658 Dec 20 j 05:58	0°♏	
evening set	-10658 Dec 27 j 05:12	1°♏36'17	
conjunction	-10657 Jan 09 j 20:21	4°♏46'21	-1°26'27
minimum elong	-10657 Jan 09 j 20:16	4°♏46'18	1°26'45
max. Earth dist.	-10657 Jan 11 j 03:49	5°♏04'40	6.07763 AU
morning rise	-10657 Jan 23 j 13:43	7°♏57'27	
	-10657 Feb 24 j 02:23	15°♏	
retrograde	-10657 Jun 02 j 06:37	27°♏35'59	
opposition	-10657 Jul 31 j 14:28	22°♏31'30	-2°26'00
min. Earth dist.	-10657 Jul 30 j 20:41	22°♏37'36	4.10055 AU
direct	-10657 Sep 28 j 03:21	17°♏31'06	
	-10656 Jan 03 j 04:27	0°♐	
evening set	-10656 Feb 02 j 05:31	6°♐39'16	
conjunction	-10656 Feb 15 j 22:32	9°♐47'40	-1°40'22
minimum elong	-10656 Feb 15 j 22:32	9°♐47'40	1°40'55
max. Earth dist.	-10656 Feb 16 j 21:05	10°♐00'36	6.12977 AU
morning rise	-10656 Feb 29 j 15:26	12°♐55'55	
	-10656 May 31 j 23:58	0°♑	
retrograde	-10656 Jul 05 j 09:09	1°♑53'43	
	-10656 Aug 08 j 10:47	30°℞♐	
opposition	-10656 Sep 02 j 08:34	26°♐51'59	-2°19'12
min. Earth dist.	-10656 Sep 02 j 00:12	26°♐54'50	4.16719 AU
direct	-10656 Oct 31 j 21:12	21°♐48'51	
	-10655 Jan 16 j 22:58	0°♑	
evening set	-10655 Mar 09 j 09:22	10°♑45'58	
conjunction	-10655 Mar 23 j 00:48	13°♑50'38	-1°19'13
minimum elong	-10655 Mar 23 j 00:54	13°♑50'41	1°19'48
max. Earth dist.	-10655 Mar 23 j 04:02	13°♑52'27	6.20540 AU
morning rise	-10655 Apr 05 j 14:30	16°♑54'15	
	-10655 Jun 09 j 22:43	0°♒	
retrograde	-10655 Aug 07 j 02:56	5°♒04'35	
opposition	-10655 Oct 05 j 05:28	0°♒06'37	-1°26'31
min. Earth dist.	-10655 Oct 05 j 08:53	0°♒05'28	4.24402 AU
	-10655 Oct 06 j 01:12	30°℞♑	
direct	-10655 Dec 05 j 00:10	25°♑02'16	
	-10654 Feb 02 j 06:30	0°♒	
evening set	-10654 Apr 12 j 23:59	13°♒40'28	
	-10654 Apr 18 j 23:01	15°♒	
conjunction	-10654 Apr 26 j 10:24	16°♒40'12	-0°32'47
minimum elong	-10654 Apr 26 j 10:28	16°♒40'14	0°33'14
max. Earth dist.	-10654 Apr 25 j 20:49	16°♒32'37	6.27850 AU
morning rise	-10654 May 09 j 17:30	19°♒38'14	
	-10654 Jun 29 j 00:38	0°♓	
retrograde	-10654 Sep 08 j 00:28	7°♓11'46	
opposition	-10654 Nov 06 j 13:35	2°♓17'22	-0°08'36
min. Earth dist.	-10654 Nov 07 j 03:33	2°♓12'48	4.30670 AU
	-10654 Nov 24 j 16:58	30°℞♒	

asc. node	-10654 Dec 17 j 14:35	27°♒53'35	
direct	-10653 Jan 07 j 09:48	27°♒13'44	
	-10653 Feb 20 j 07:49	0°♓	
evening set	-10653 May 16 j 00:55	15°♓33'34	
max. Earth dist.	-10653 May 27 j 23:30	18°♓12'44	6.32622 AU
conjunction	-10653 May 29 j 02:40	18°♓27'51	0°22'46
minimum elong	-10653 May 29 j 02:37	18°♓27'50	0°22'35
morning rise	-10653 Jun 11 j 01:04	21°♓20'25	
	-10653 Jul 22 j 09:55	0°♈	
retrograde	-10653 Oct 09 j 15:53	8°♈38'12	
opposition	-10653 Dec 08 j 20:44	3°♈46'00	1°10'20
min. Earth dist.	-10653 Dec 09 j 17:33	3°♈39'18	4.33650 AU
	-10652 Jan 11 j 03:41	30°℞♓	
direct	-10652 Feb 09 j 07:12	28°♓44'29	
	-10652 Mar 09 j 14:02	0°♈	
evening set	-10652 Jun 15 j 21:21	16°♈52'26	
max. Earth dist.	-10652 Jun 27 j 07:48	19°♈25'29	6.33507 AU
conjunction	-10652 Jun 28 j 13:43	19°♈42'13	1°11'00
minimum elong	-10652 Jun 28 j 13:37	19°♈42'10	1°11'09
morning rise	-10652 Jul 11 j 03:11	22°♈30'41	
	-10652 Aug 15 j 07:16	0°♉	
retrograde	-10652 Nov 09 j 17:14	9°♉56'09	
opposition	-10651 Jan 09 j 14:50	5°♉04'27	2°08'36
min. Earth dist.	-10651 Jan 10 j 11:44	4°♉57'49	4.32503 AU
direct	-10651 Mar 12 j 23:39	0°♉06'02	
	-10651 Jul 02 j 20:01	15°♉	
evening set	-10651 Jul 17 j 03:24	18°♉10'09	
max. Earth dist.	-10651 Jul 28 j 10:26	20°♉43'07	6.30296 AU
conjunction	-10651 Jul 29 j 12:59	20°♉58'09	1°38'39
minimum elong	-10651 Jul 29 j 12:56	20°♉58'07	1°39'04
morning rise	-10651 Aug 10 j 21:35	23°♉45'41	
	-10651 Sep 08 j 12:45	0°♊	
retrograde	-10651 Dec 12 j 20:02	11°♊39'06	
opposition	-10650 Feb 12 j 04:49	6°♊45'57	2°29'44
min. Earth dist.	-10650 Feb 12 j 20:11	6°♊41'05	4.27534 AU
direct	-10650 Apr 14 j 22:05	1°♊50'32	
evening set	-10650 Aug 17 j 11:16	19°♊58'28	
conjunction	-10650 Aug 29 j 20:43	22°♊48'47	1°37'12
minimum elong	-10650 Aug 29 j 20:46	22°♊48'48	1°37'47
max. Earth dist.	-10650 Aug 29 j 07:21	22°♊41'06	6.23945 AU
morning rise	-10650 Sep 11 j 06:51	25°♊39'36	
	-10650 Sep 30 j 15:55	0°♋	
retrograde	-10649 Jan 16 j 03:26	14°♋13'24	
opposition	-10649 Mar 18 j 16:51	9°♋17'16	2°05'04
min. Earth dist.	-10649 Mar 18 j 20:27	9°♋16'07	4.20236 AU
direct	-10649 May 18 j 07:00	4°♋23'59	
evening set	-10649 Sep 18 j 14:55	22°♋42'10	
conjunction	-10649 Oct 01 j 06:39	25°♋38'27	1°05'09
minimum elong	-10649 Oct 01 j 06:44	25°♋38'30	1°05'43
max. Earth dist.	-10649 Oct 01 j 09:36	25°♋40'10	6.16379 AU
morning rise	-10649 Oct 14 j 00:59	28°♋36'11	
	-10649 Oct 20 j 02:51	0°♌	
	-10648 Jan 07 j 14:32	15°♌	
retrograde	-10648 Feb 20 j 16:43	17°♌52'05	
	-10648 Apr 05 j 01:15	15°℞♌	
opposition	-10648 Apr 21 j 23:01	12°♌52'06	0°58'20
min. Earth dist.	-10648 Apr 21 j 14:20	12°♌54'56	4.12883 AU
direct	-10648 Jun 20 j 08:51	7°♌59'11	
	-10648 Aug 28 j 06:54	15°♌	
evening set	-10648 Oct 21 j 05:50	26°♌32'56	
conjunction	-10648 Nov 03 j 07:40	29°♌36'29	0°10'36

Attention, astronomical year style is used: The year -10648 in astronomical counting style is the year 10649 BCE in historical counting style.

minimum elong	-10648 Nov 03 j 07:40	29°♌36'29	0°10'57
behind sun begin	-10648 Nov 03 j 01:30	29°♌32'53	
behind sun end	-10648 Nov 03 j 13:51	29°♌40'05	
max. Earth dist.	-10648 Nov 04 j 04:31	29°♌48'41	6.09984 AU
	-10648 Nov 04 j 23:48	0°♍	
morning rise	-10648 Nov 16 j 12:58	2°♍41'57	
desc. node	-10647 Jan 12 j 11:22	14°♍50'30	
retrograde	-10647 Mar 27 j 21:25	22°♍28'36	
opposition	-10647 May 27 j 12:22	17°♍25'14	-0°30'37
min. Earth dist.	-10647 May 26 j 17:59	17°♍31'22	4.07986 AU
direct	-10647 Jul 24 j 23:09	12°♍30'49	
	-10647 Nov 19 j 17:09	0°♎	
evening set	-10647 Nov 25 j 15:39	1°♎22'36	
conjunction	-10647 Dec 09 j 02:14	4°♎31'15	-0°48'40
minimum elong	-10647 Dec 09 j 02:09	4°♎31'12	0°48'39
max. Earth dist.	-10647 Dec 10 j 08:52	4°♎49'12	6.06991 AU
morning rise	-10647 Dec 22 j 16:15	7°♎41'38	
retrograde	-10646 May 02 j 21:37	27°♎35'42	
opposition	-10646 Jul 01 j 19:10	22°♎30'38	-1°49'32
min. Earth dist.	-10646 Jun 30 j 21:56	22°♎37'52	4.07272 AU
direct	-10646 Aug 28 j 23:33	17°♎33'10	
	-10646 Dec 02 j 18:17	0°♏	
evening set	-10645 Jan 01 j 09:15	6°♏38'39	
conjunction	-10645 Jan 15 j 00:58	9°♏48'33	-1°30'30
minimum elong	-10645 Jan 15 j 00:53	9°♏48'30	1°30'50
max. Earth dist.	-10645 Jan 16 j 08:41	10°♏06'58	6.08506 AU
morning rise	-10645 Jan 28 j 18:17	12°♏59'16	
	-10645 Feb 06 j 13:20	15°♏	
	-10645 Apr 27 j 21:20	0°♐	
retrograde	-10645 Jun 07 j 03:13	2°♐32'25	
	-10645 Jul 16 j 23:50	30°℞♏	
opposition	-10645 Aug 05 j 08:35	27°♏28'15	-2°28'12
min. Earth dist.	-10645 Aug 04 j 16:24	27°♏33'48	4.10984 AU
direct	-10645 Oct 03 j 00:24	22°♏27'26	
	-10645 Dec 14 j 09:54	0°♐	
evening set	-10644 Feb 07 j 07:39	11°♐34'20	
conjunction	-10644 Feb 21 j 00:30	14°♐42'16	-1°39'24
minimum elong	-10644 Feb 21 j 00:32	14°♐42'17	1°39'58
max. Earth dist.	-10644 Feb 21 j 19:02	14°♐52'52	6.13988 AU
morning rise	-10644 Mar 05 j 17:17	17°♐49'58	
	-10644 May 03 j 06:08	0°♑	
retrograde	-10644 Jul 09 j 23:25	6°♑41'17	
opposition	-10644 Sep 06 j 23:18	1°♑40'01	-2°14'15
min. Earth dist.	-10644 Sep 06 j 16:34	1°♑42'19	4.17711 AU
	-10644 Sep 19 j 11:25	30°℞♐	
direct	-10644 Nov 05 j 15:49	26°♐36'34	
	-10644 Dec 23 j 03:09	0°♑	
evening set	-10643 Mar 14 j 07:07	15°♑31'48	
conjunction	-10643 Mar 27 j 22:13	18°♑35'57	-1°13'56
minimum elong	-10643 Mar 27 j 22:18	18°♑36'00	1°14'31
max. Earth dist.	-10643 Mar 27 j 23:04	18°♑36'26	6.21458 AU
morning rise	-10643 Apr 10 j 11:08	21°♑38'53	
	-10643 May 19 j 13:18	0°♒	
retrograde	-10643 Aug 11 j 15:54	9°♒43'58	
opposition	-10643 Oct 09 j 18:19	4°♒46'35	-1°16'38
min. Earth dist.	-10643 Oct 09 j 23:53	4°♒44'44	4.25152 AU
	-10643 Nov 26 j 00:37	30°℞♑	
direct	-10643 Dec 09 j 16:36	29°♑42'15	
	-10643 Dec 23 j 10:54	0°♒	
	-10642 Apr 02 j 14:03	15°♒	
evening set	-10642 Apr 17 j 17:16	18°♒18'45	
max. Earth dist.	-10642 Apr 30 j 09:53	21°♒08'31	6.28382 AU
conjunction	-10642 May 01 j 02:43	21°♒17'55	-0°25'11
minimum elong	-10642 May 01 j 02:46	21°♒17'56	0°25'35
morning rise	-10642 May 14 j 08:53	24°♒15'21	
	-10642 Jun 09 j 23:15	0°♓	
retrograde	-10642 Sep 12 j 11:33	11°♓46'28	
asc. node	-10642 Oct 27 j 22:29	8°♓40'57	
opposition	-10642 Nov 11 j 02:38	6°♓52'26	0°02'58
min. Earth dist.	-10642 Nov 11 j 17:43	6°♓47'30	4.30961 AU
direct	-10641 Jan 12 j 00:55	1°♓48'59	
evening set	-10641 May 20 j 14:34	20°♓07'58	
conjunction	-10641 Jun 02 j 15:07	23°♓01'42	0°30'21
minimum elong	-10641 Jun 02 j 15:04	23°♓01'40	0°30'13
max. Earth dist.	-10641 Jun 01 j 12:10	22°♓46'41	6.32664 AU
morning rise	-10641 Jun 15 j 12:09	25°♓53'42	
	-10641 Jul 04 j 08:37	0°♈	
retrograde	-10641 Oct 14 j 04:40	13°♈12'14	
opposition	-10641 Dec 13 j 11:46	8°♈20'14	1°20'18
min. Earth dist.	-10641 Dec 14 j 08:38	8°♈13'32	4.33459 AU
direct	-10640 Feb 13 j 22:40	3°♈19'11	
evening set	-10640 Jun 20 j 09:09	21°♈26'54	
max. Earth dist.	-10640 Jul 01 j 17:29	23°♈59'06	6.33081 AU
conjunction	-10640 Jul 03 j 00:12	24°♈16'19	1°16'26
minimum elong	-10640 Jul 03 j 00:07	24°♈16'16	1°16'37
morning rise	-10640 Jul 15 j 12:51	27°♈04'32	
	-10640 Jul 28 j 19:15	0°♉	
retrograde	-10640 Nov 14 j 09:50	14°♉33'24	
opposition	-10639 Jan 14 j 08:56	9°♉41'32	2°14'10
min. Earth dist.	-10639 Jan 15 j 05:13	9°♉35'05	4.31897 AU
direct	-10639 Mar 17 j 16:39	4°♉43'31	
	-10639 Jun 15 j 05:52	15°♉	
evening set	-10639 Jul 21 j 14:44	22°♉47'55	
max. Earth dist.	-10639 Aug 02 j 00:39	25°♉22'44	6.29557 AU
conjunction	-10639 Aug 03 j 00:02	25°♉36'00	1°40'19
minimum elong	-10639 Aug 02 j 24:00	25°♉35'58	1°40'46
morning rise	-10639 Aug 15 j 08:16	28°♉23'42	
	-10639 Aug 22 j 12:07	0°♊	
retrograde	-10639 Dec 17 j 15:01	16°♊21'57	
opposition	-10638 Feb 17 j 01:54	11°♊28'26	2°29'01
min. Earth dist.	-10638 Feb 17 j 15:12	11°♊24'13	4.26717 AU
direct	-10638 Apr 19 j 15:53	6°♊33'24	
evening set	-10638 Aug 22 j 00:01	24°♊41'45	
conjunction	-10638 Sep 03 j 09:50	27°♊32'35	1°34'24
minimum elong	-10638 Sep 03 j 09:53	27°♊32'37	1°34'59
max. Earth dist.	-10638 Sep 02 j 22:06	27°♊25'50	6.23101 AU
	-10638 Sep 14 j 02:37	0°♋	
morning rise	-10638 Sep 15 j 20:50	0°♋24'08	
retrograde	-10637 Jan 21 j 03:17	19°♋03'08	
opposition	-10637 Mar 23 j 16:23	14°♋06'25	1°57'49
min. Earth dist.	-10637 Mar 23 j 18:17	14°♋05'48	4.19392 AU
direct	-10637 May 23 j 03:17	9°♋13'13	
evening set	-10637 Sep 23 j 06:49	27°♋32'17	
	-10637 Oct 03 j 21:18	0°♌	
conjunction	-10637 Oct 05 j 23:54	0°♌29'27	0°58'28
minimum elong	-10637 Oct 05 j 23:59	0°♌29'30	0°59'01
max. Earth dist.	-10637 Oct 06 j 06:21	0°♌33'12	6.15619 AU
morning rise	-10637 Oct 18 j 19:36	3°♌28'10	
	-10637 Dec 12 j 00:10	15°♌	
retrograde	-10636 Feb 25 j 18:23	22°♌48'13	
opposition	-10636 Apr 26 j 23:15	17°♌47'43	0°46'28
min. Earth dist.	-10636 Apr 26 j 12:59	17°♌51'05	4.12263 AU
	-10636 May 19 j 18:01	15°℞♌	
direct	-10636 Jun 25 j 05:09	12°♌54'43	

Attention, astronomical year style is used: The year -10636 in astronomical counting style is the year 10637 BCE in historical counting style.

	-10636 Jul 31 j 05:50	15°♌		
	-10636 Oct 19 j 15:34	0°♍		
evening set	-10636 Oct 26 j 02:57	1°♍30'01		
conjunction	-10636 Nov 08 j 05:59	4°♍34'18	0°02'05	
minimum elong	-10636 Nov 08 j 05:58	4°♍34'18	0°02'23	
behind sun begin	-10636 Nov 07 j 21:46	4°♍29'31		
behind sun end	-10636 Nov 08 j 14:09	4°♍39'05		
max. Earth dist.	-10636 Nov 09 j 03:29	4°♍46'54	6.09553 AU	
morning rise	-10636 Nov 21 j 12:44	7°♍40'34		
desc. node	-10636 Nov 21 j 15:36	7°♍42'14		
retrograde	-10635 Apr 01 j 22:00	27°♍29'04		
opposition	-10635 Jun 01 j 11:38	22°♍25'18	-0°43'04	
min. Earth dist.	-10635 May 31 j 16:21	22°♍31'46	4.07785 AU	
direct	-10635 Jul 29 j 20:52	17°♍30'30		
	-10635 Nov 02 j 10:12	0°♎		
evening set	-10635 Nov 30 j 17:23	6°♎24'06		
conjunction	-10635 Dec 14 j 05:03	9°♎33'07	-0°56'02	
minimum elong	-10635 Dec 14 j 04:57	9°♎33'04	0°56'05	
max. Earth dist.	-10635 Dec 15 j 13:28	9°♎52'06	6.07041 AU	
morning rise	-10635 Dec 27 j 19:40	12°♎43'43		
	-10634 Mar 27 j 20:22	0°♏		
retrograde	-10634 May 07 j 22:15	2°♏36'16		
	-10634 Jun 17 j 15:24	30°℞♎		
opposition	-10634 Jul 06 j 16:24	27°♎31'13	-1°57'51	
min. Earth dist.	-10634 Jul 05 j 20:08	27°♎38'08	4.07590 AU	
direct	-10634 Sep 02 j 21:32	22°♎33'19		
	-10634 Nov 12 j 21:53	0°♏		
evening set	-10633 Jan 06 j 13:22	11°♏39'44		
conjunction	-10633 Jan 20 j 05:16	14°♏49'30	-1°33'54	
minimum elong	-10633 Jan 20 j 05:12	14°♏49'27	1°34'17	
	-10633 Jan 20 j 23:24	15°♏		
max. Earth dist.	-10633 Jan 21 j 10:17	15°♏06'18	6.09031 AU	
morning rise	-10633 Feb 02 j 22:52	18°♏00'00		
	-10633 Mar 31 j 14:34	0°♐		
retrograde	-10633 Jun 11 j 22:01	7°♐28'36		
min. Earth dist.	-10633 Aug 09 j 11:12	2°♐30'03	4.11684 AU	
opposition	-10633 Aug 10 j 02:44	2°♐24'44	-2°29'24	
	-10633 Aug 28 j 12:55	30°℞♏		
direct	-10633 Oct 07 j 20:52	27°♏23'27		
	-10633 Nov 17 j 12:21	0°♐		
evening set	-10632 Feb 12 j 10:21	16°♐29'59		
conjunction	-10632 Feb 26 j 03:14	19°♐37'34	-1°37'44	
minimum elong	-10632 Feb 26 j 03:17	19°♐37'35	1°38'18	
max. Earth dist.	-10632 Feb 26 j 19:36	19°♐46'55	6.14810 AU	
morning rise	-10632 Mar 10 j 19:36	22°♐44'45		
	-10632 Apr 12 j 23:05	0°♑		
retrograde	-10632 Jul 14 j 16:32	11°♑30'12		
opposition	-10632 Sep 11 j 14:57	6°♑29'30	-2°08'22	
min. Earth dist.	-10632 Sep 11 j 10:39	6°♑30'57	4.18558 AU	
direct	-10632 Nov 10 j 11:36	1°♑25'51		
evening set	-10631 Mar 19 j 05:48	20°♑19'32		
conjunction	-10631 Apr 01 j 20:26	23°♑23'12	-1°08'06	
minimum elong	-10631 Apr 01 j 20:32	23°♑23'15	1°08'41	
max. Earth dist.	-10631 Apr 01 j 18:31	23°♑22'07	6.22268 AU	
morning rise	-10631 Apr 15 j 08:41	26°♑25'33		
	-10631 May 01 j 13:10	0°♒		
retrograde	-10631 Aug 16 j 04:07	14°♒25'48		
opposition	-10631 Oct 14 j 08:35	9°♒28'57	-1°06'09	
min. Earth dist.	-10631 Oct 14 j 14:59	9°♒26'49	4.25857 AU	
direct	-10631 Dec 14 j 09:34	4°♒24'40		
	-10630 Mar 15 j 17:40	15°♒		
evening set	-10630 Apr 22 j 11:22	22°♒59'28		
conjunction	-10630 May 05 j 19:43	25°♒57'59	-0°17'19	
minimum elong	-10630 May 05 j 19:45	25°♒58'00	0°17'42	
max. Earth dist.	-10630 May 05 j 01:17	25°♒47'41	6.28951 AU	
morning rise	-10630 May 19 j 00:44	28°♒54'44		
	-10630 May 23 j 22:47	0°♓		
asc. node	-10630 Sep 06 j 05:48	16°♓12'11		
retrograde	-10630 Sep 17 j 00:48	16°♓23'32		
opposition	-10630 Nov 15 j 17:11	11°♓29'57	0°14'39	
min. Earth dist.	-10630 Nov 16 j 09:38	11°♓24'35	4.31355 AU	
direct	-10629 Jan 16 j 18:19	6°♓26'52		
evening set	-10629 May 25 j 04:56	24°♓44'24		
max. Earth dist.	-10629 Jun 06 j 00:06	27°♓21'53	6.32854 AU	
conjunction	-10629 Jun 07 j 04:07	27°♓37'30	0°37'50	
minimum elong	-10629 Jun 07 j 04:03	27°♓37'28	0°37'45	
	-10629 Jun 17 j 19:50	0°♈		
morning rise	-10629 Jun 19 j 23:55	0°♈28'54		
retrograde	-10629 Oct 18 j 17:46	17°♈47'50		
opposition	-10629 Dec 18 j 03:38	12°♈55'57	1°29'50	
min. Earth dist.	-10629 Dec 19 j 00:02	12°♈49'25	4.33470 AU	
direct	-10628 Feb 18 j 14:40	7°♈55'20		
evening set	-10628 Jun 24 j 20:54	26°♈02'05		
max. Earth dist.	-10628 Jul 06 j 06:16	28°♈35'00	6.32914 AU	
conjunction	-10628 Jul 07 j 10:52	28°♈51'04	1°21'25	
minimum elong	-10628 Jul 07 j 10:47	28°♈51'01	1°21'38	
	-10628 Jul 12 j 13:40	0°♉		
morning rise	-10628 Jul 19 j 22:25	1°♉38'55		
	-10628 Sep 26 j 12:15	15°♉		
retrograde	-10628 Nov 19 j 01:24	19°♉10'23		
	-10627 Jan 13 j 15:21	15°℞♉		
opposition	-10627 Jan 19 j 03:02	14°♉18'26	2°18'51	
min. Earth dist.	-10627 Jan 19 j 22:34	14°♉12'15	4.31572 AU	
direct	-10627 Mar 22 j 09:48	9°♉20'56		
	-10627 May 25 j 09:29	15°♉		
evening set	-10627 Jul 26 j 01:20	27°♉24'34		
max. Earth dist.	-10627 Aug 06 j 11:13	29°♉59'38	6.29077 AU	
	-10627 Aug 06 j 11:52	0°♊		
conjunction	-10627 Aug 07 j 10:06	0°♊12'37	1°41'20	
minimum elong	-10627 Aug 07 j 10:04	0°♊12'36	1°41'50	
morning rise	-10627 Aug 19 j 18:23	3°♊00'30		
retrograde	-10627 Dec 22 j 09:47	21°♊02'54		
opposition	-10626 Feb 21 j 22:07	16°♊08'58	2°27'19	
min. Earth dist.	-10626 Feb 22 j 09:41	16°♊05'18	4.26106 AU	
direct	-10626 Apr 24 j 09:02	11°♊14'15		
evening set	-10626 Aug 26 j 11:26	29°♊22'27		
	-10626 Aug 29 j 05:05	0°♋		
conjunction	-10626 Sep 07 j 21:59	2°♋13'51	1°31'01	
minimum elong	-10626 Sep 07 j 22:03	2°♋13'54	1°31'36	
max. Earth dist.	-10626 Sep 07 j 13:50	2°♋09'10	6.22420 AU	
morning rise	-10626 Sep 20 j 09:41	5°♋06'02		
retrograde	-10625 Jan 26 j 01:27	23°♋49'38		
opposition	-10625 Mar 28 j 13:59	18°♋52'26	1°49'50	
min. Earth dist.	-10625 Mar 28 j 14:37	18°♋52'14	4.18669 AU	
direct	-10625 May 27 j 21:15	13°♋59'23		
	-10625 Sep 17 j 18:54	0°♌		
evening set	-10625 Sep 27 j 21:38	2°♌19'15		
conjunction	-10625 Oct 10 j 15:49	5°♌17'16	0°51'28	
minimum elong	-10625 Oct 10 j 15:54	5°♌17'18	0°51'59	
max. Earth dist.	-10625 Oct 10 j 22:58	5°♌21'25	6.14918 AU	
morning rise	-10625 Oct 23 j 13:06	8°♌16'57		
	-10625 Nov 22 j 13:38	15°♌		
retrograde	-10624 Mar 01 j 17:29	27°♌41'02		
opposition	-10624 May 01 j 21:22	22°♌39'59	0°34'25	

Attention, astronomical year style is used: The year -10624 in astronomical counting style is the year 10625 BCE in historical counting style.

min. Earth dist.	-10624 May 01 j 09:29	22°♌43'53	4.11619 AU
direct	-10624 Jun 29 j 23:34	17°♌46'48	
desc. node	-10624 Oct 01 j 16:33	29°♌47'46	
	-10624 Oct 02 j 15:13	0°♍	
evening set	-10624 Oct 30 j 22:37	6°♍24'04	
conjunction	-10624 Nov 13 j 03:09	9°♍29'12	-0°06'29
minimum elong	-10624 Nov 13 j 03:07	9°♍29'11	0°06'13
behind sun begin	-10624 Nov 12 j 19:21	9°♍24'39	
behind sun end	-10624 Nov 13 j 10:54	9°♍33'43	
max. Earth dist.	-10624 Nov 14 j 03:22	9°♍43'23	6.09038 AU
morning rise	-10624 Nov 26 j 11:05	12°♍36'14	
	-10623 Feb 25 j 19:58	0°♎	
retrograde	-10623 Apr 06 j 23:18	2°♎26'51	
	-10623 May 16 j 20:18	30°℞♍	
opposition	-10623 Jun 06 j 09:24	27°♍22'48	-0°55'03
min. Earth dist.	-10623 Jun 05 j 14:34	27°♍29'08	4.07451 AU
direct	-10623 Aug 03 j 17:25	22°♍27'38	
	-10623 Oct 13 j 21:59	0°♎	
evening set	-10623 Dec 05 j 18:38	11°♎23'48	
conjunction	-10623 Dec 19 j 07:00	14°♎33'12	-1°02'54
minimum elong	-10623 Dec 19 j 06:54	14°♎33'09	1°02'59
max. Earth dist.	-10623 Dec 20 j 14:00	14°♎51'20	6.06899 AU
morning rise	-10622 Jan 01 j 22:30	17°♎44'10	
	-10622 Feb 28 j 11:12	0°♏	
retrograde	-10622 May 12 j 20:04	7°♏35'45	
opposition	-10622 Jul 11 j 12:27	2°♏30'44	-2°05'14
min. Earth dist.	-10622 Jul 10 j 15:57	2°♏37'44	4.07683 AU
	-10622 Jul 30 j 20:45	30°℞♎	
direct	-10622 Sep 07 j 17:39	27°♎32'20	
	-10622 Oct 16 j 16:53	0°♏	
	-10621 Jan 04 j 09:35	15°♏	
evening set	-10621 Jan 11 j 17:24	16°♏40'41	
conjunction	-10621 Jan 25 j 09:47	19°♏50'28	-1°36'34
minimum elong	-10621 Jan 25 j 09:43	19°♏50'25	1°36'59
max. Earth dist.	-10621 Jan 26 j 13:48	20°♏06'42	6.09354 AU
morning rise	-10621 Feb 08 j 03:22	23°♏00'47	
	-10621 Mar 11 j 13:31	0°♐	
retrograde	-10621 Jun 16 j 18:57	12°♐25'29	
opposition	-10621 Aug 14 j 21:04	7°♐21'57	-2°29'30
min. Earth dist.	-10621 Aug 14 j 07:39	7°♐26'33	4.12206 AU
direct	-10621 Oct 12 j 18:29	2°♐20'16	
evening set	-10620 Feb 17 j 13:17	21°♐26'49	
conjunction	-10620 Mar 02 j 06:12	24°♐34'08	-1°35'20
minimum elong	-10620 Mar 02 j 06:15	24°♐34'09	1°35'54
max. Earth dist.	-10620 Mar 02 j 20:43	24°♐42'25	6.15497 AU
morning rise	-10620 Mar 15 j 22:16	27°♐40'54	
	-10620 Mar 26 j 05:47	0°♑	
retrograde	-10620 Jul 19 j 07:50	16°♑20'47	
opposition	-10620 Sep 16 j 07:16	11°♑20'34	-2°01'33
min. Earth dist.	-10620 Sep 16 j 03:23	11°♑21'53	4.19351 AU
direct	-10620 Nov 15 j 06:32	6°♑16'43	
evening set	-10619 Mar 24 j 04:53	25°♑08'42	
conjunction	-10619 Apr 06 j 18:50	28°♑11'47	-1°01'45
minimum elong	-10619 Apr 06 j 18:55	28°♑11'50	1°02'17
max. Earth dist.	-10619 Apr 06 j 14:08	28°♑09'08	6.23129 AU
	-10619 Apr 14 j 19:12	0°♒	
morning rise	-10619 Apr 20 j 06:22	1°♒13'29	
	-10619 Jun 29 j 14:24	15°♒	
retrograde	-10619 Aug 20 j 18:39	19°♒08'39	
	-10619 Oct 12 j 23:16	15°℞♒	
opposition	-10619 Oct 18 j 23:37	14°♒12'15	-0°55'09
min. Earth dist.	-10619 Oct 19 j 08:05	14°♒09'26	4.26690 AU
direct	-10619 Dec 19 j 05:30	9°♒08'00	
	-10618 Feb 22 j 13:24	15°♒	
evening set	-10618 Apr 27 j 05:18	27°♒40'11	
	-10618 May 07 j 16:38	0°♓	
conjunction	-10618 May 10 j 12:38	0°♓37'57	-0°09'19
minimum elong	-10618 May 10 j 12:39	0°♓37'58	0°09'40
behind sun begin	-10618 May 10 j 05:57	0°♓34'15	
behind sun end	-10618 May 10 j 19:20	0°♓41'41	
max. Earth dist.	-10618 May 09 j 17:22	0°♓27'13	6.29695 AU
morning rise	-10618 May 23 j 16:21	3°♓33'53	
asc. node	-10618 Jul 15 j 19:20	14°♓24'11	
retrograde	-10618 Sep 21 j 11:43	20°♓59'41	
opposition	-10618 Nov 20 j 07:35	16°♓06'21	0°26'15
min. Earth dist.	-10618 Nov 20 j 23:54	16°♓01'02	4.31951 AU
direct	-10617 Jan 21 j 10:23	11°♓03'30	
evening set	-10617 May 29 j 18:16	29°♓18'38	
	-10617 Jun 01 j 20:55	0°♈	
max. Earth dist.	-10617 Jun 10 j 11:27	1°♈55'02	6.33232 AU
conjunction	-10617 Jun 11 j 15:58	2°♈10'57	0°45'04
minimum elong	-10617 Jun 11 j 15:54	2°♈10'54	0°45'02
morning rise	-10617 Jun 24 j 10:28	5°♈01'38	
retrograde	-10617 Oct 23 j 07:06	22°♈20'31	
opposition	-10617 Dec 22 j 18:59	17°♈28'43	1°38'46
min. Earth dist.	-10617 Dec 23 j 16:21	17°♈21'54	4.33587 AU
direct	-10616 Feb 23 j 07:33	12°♈28'29	
	-10616 Jun 26 j 18:27	0°♉	
evening set	-10616 Jun 29 j 07:07	0°♉33'44	
conjunction	-10616 Jul 11 j 20:01	3°♉22'18	1°25'53
minimum elong	-10616 Jul 11 j 19:56	3°♉22'15	1°26'09
max. Earth dist.	-10616 Jul 10 j 15:07	3°♉06'04	6.32718 AU
morning rise	-10616 Jul 24 j 06:48	6°♉09'51	
	-10616 Sep 04 j 05:06	15°♉	
retrograde	-10616 Nov 23 j 15:55	23°♉44'17	
opposition	-10615 Jan 23 j 20:10	18°♉52'07	2°22'44
min. Earth dist.	-10615 Jan 24 j 14:30	18°♉46'18	4.31087 AU
	-10615 Feb 28 j 01:11	15°℞♉	
direct	-10615 Mar 27 j 00:23	13°♉54'59	
	-10615 Apr 22 j 22:53	15°♉	
	-10615 Jul 21 j 15:16	0°♊	
evening set	-10615 Jul 30 j 11:02	1°♊58'35	
conjunction	-10615 Aug 11 j 19:41	4°♊46'50	1°41'46
minimum elong	-10615 Aug 11 j 19:41	4°♊46'50	1°42'17
max. Earth dist.	-10615 Aug 10 j 23:17	4°♊35'13	6.28333 AU
morning rise	-10615 Aug 24 j 03:52	7°♊35'00	
retrograde	-10615 Dec 27 j 05:50	25°♊42'37	
opposition	-10614 Feb 26 j 18:06	20°♊48'21	2°24'47
min. Earth dist.	-10614 Feb 27 j 05:11	20°♊44'50	4.25139 AU
direct	-10614 Apr 29 j 02:07	15°♊53'56	
	-10614 Aug 12 j 22:32	0°♋	
evening set	-10614 Aug 30 j 23:22	4°♋03'28	
conjunction	-10614 Sep 12 j 10:35	6°♋55'40	1°27'03
minimum elong	-10614 Sep 12 j 10:39	6°♋55'42	1°27'39
max. Earth dist.	-10614 Sep 12 j 02:55	6°♋51'15	6.21305 AU
morning rise	-10614 Sep 24 j 23:30	9°♋48'50	
retrograde	-10613 Jan 31 j 00:25	28°♋38'47	
opposition	-10613 Apr 02 j 12:48	23°♋41'02	1°41'06
min. Earth dist.	-10613 Apr 02 j 11:11	23°♋41'33	4.17475 AU
direct	-10613 Jun 01 j 14:50	18°♋48'03	
	-10613 Aug 31 j 10:43	0°♌	
evening set	-10613 Oct 02 j 14:27	7°♌10'38	
conjunction	-10613 Oct 15 j 10:13	10°♌09'48	0°44'01

Attention, astronomical year style is used: The year -10613 in astronomical counting style is the year 10614 BCE in historical counting style.

minimum elong	-10613 Oct 15 j 10:18	10°♌09'51	0°44'29	
max. Earth dist.	-10613 Oct 15 j 20:55	10°♌16'03	6.13769 AU	
morning rise	-10613 Oct 28 j 08:55	13°♌10'41		
	-10613 Nov 05 j 06:51	15°♌		
	-10612 Jan 24 j 11:43	0°♍		
retrograde	-10612 Mar 06 j 21:36	2°♍40'28		
	-10612 Apr 18 j 07:44	30°℞♌		
opposition	-10612 May 06 j 22:18	27°♌38'58	0°21'51	
min. Earth dist.	-10612 May 06 j 10:01	27°♌43'01	4.10603 AU	
direct	-10612 Jul 04 j 21:41	22°♌45'39		
desc. node	-10612 Aug 10 j 21:56	24°♌58'40		
	-10612 Sep 12 j 17:57	0°♍		
evening set	-10612 Nov 04 j 22:35	11°♍26'33		
conjunction	-10612 Nov 18 j 04:19	14°♍32'36	-0°15'06	
minimum elong	-10612 Nov 18 j 04:17	14°♍32'35	0°14'52	
behind sun begin	-10612 Nov 18 j 01:08	14°♍30'44		
behind sun end	-10612 Nov 18 j 07:26	14°♍34'25		
max. Earth dist.	-10612 Nov 19 j 04:58	14°♍47'03	6.08243 AU	
morning rise	-10612 Dec 01 j 13:49	17°♍40'37		
	-10611 Jan 28 j 08:31	0°♎		
retrograde	-10611 Apr 12 j 02:28	7°♎34'05		
opposition	-10611 Jun 11 j 10:30	2°♎29'48	-1°07'01	
min. Earth dist.	-10611 Jun 10 j 14:05	2°♎36'41	4.06983 AU	
	-10611 Jun 30 j 22:00	30°℞♍		
direct	-10611 Aug 08 j 16:03	27°♍34'18		
	-10611 Sep 16 j 05:34	0°♎		
evening set	-10611 Dec 11 j 00:31	16°♎33'45		
conjunction	-10611 Dec 24 j 13:50	19°♎43'34	-1°09'32	
minimum elong	-10611 Dec 24 j 13:44	19°♎43'31	1°09'40	
max. Earth dist.	-10611 Dec 25 j 22:11	20°♎02'29	6.06803 AU	
morning rise	-10610 Jan 07 j 05:51	22°♎54'47		
	-10610 Feb 07 j 20:11	0°♏		
retrograde	-10610 May 17 j 23:40	12°♏44'57		
opposition	-10610 Jul 16 j 12:25	7°♏40'03	-2°11'55	
min. Earth dist.	-10610 Jul 15 j 16:55	7°♏46'43	4.08007 AU	
direct	-10610 Sep 12 j 19:24	2°♏41'15		
	-10610 Dec 17 j 08:43	15°♏		
evening set	-10609 Jan 17 j 01:15	21°♏50'29		
conjunction	-10609 Jan 30 j 17:54	25°♏00'03	-1°38'37	
minimum elong	-10609 Jan 30 j 17:52	25°♏00'02	1°39'05	
max. Earth dist.	-10609 Jan 31 j 21:53	25°♏16'14	6.10087 AU	
morning rise	-10609 Feb 13 j 11:28	28°♏10'01		
	-10609 Feb 21 j 12:26	0°♐		
retrograde	-10609 Jun 21 j 15:37	17°♐28'41		
opposition	-10609 Aug 19 j 17:39	12°♐25'35	-2°28'30	
min. Earth dist.	-10609 Aug 19 j 04:01	12°♐30'14	4.13323 AU	
direct	-10609 Oct 17 j 17:05	7°♐23'35		
evening set	-10608 Feb 22 j 17:57	26°♐27'42		
conjunction	-10608 Mar 07 j 10:27	29°♐34'17	-1°32'16	
minimum elong	-10608 Mar 07 j 10:31	29°♐34'19	1°32'52	
max. Earth dist.	-10608 Mar 07 j 22:15	29°♐41'00	6.16922 AU	
	-10608 Mar 09 j 07:38	0°♑		
morning rise	-10608 Mar 21 j 02:04	2°♑40'13		
retrograde	-10608 Jul 23 j 23:54	21°♑11'47		
opposition	-10608 Sep 20 j 23:46	16°♑12'05	-1°53'54	
min. Earth dist.	-10608 Sep 20 j 22:00	16°♑12'41	4.20938 AU	
direct	-10608 Nov 20 j 05:13	11°♑08'04		
evening set	-10607 Mar 29 j 02:23	29°♑55'16		
	-10607 Mar 29 j 10:53	0°♒		
conjunction	-10607 Apr 11 j 15:41	2°♒57'22	-0°55'06	
minimum elong	-10607 Apr 11 j 15:46	2°♒57'25	0°55'38	
max. Earth dist.	-10607 Apr 11 j 10:09	2°♒54'16	6.24771 AU	
morning rise	-10607 Apr 25 j 02:03	5°♒57'57		
	-10607 Jun 06 j 23:05	15°♒		
retrograde	-10607 Aug 25 j 03:57	23°♒45'37		
opposition	-10607 Oct 23 j 12:12	18°♒49'43	-0°44'05	
min. Earth dist.	-10607 Oct 23 j 21:10	18°♒46'45	4.28239 AU	
	-10607 Nov 25 j 12:28	15°℞♒		
direct	-10607 Dec 23 j 21:38	13°♒45'35		
	-10606 Jan 21 j 15:46	15°♒		
	-10606 Apr 21 j 17:06	0°♓		
evening set	-10606 May 01 j 19:20	2°♓12'44		
max. Earth dist.	-10606 May 14 j 02:50	4°♓56'56	6.31026 AU	
conjunction	-10606 May 15 j 01:12	5°♓09'23	-0°01'33	
minimum elong	-10606 May 15 j 01:11	5°♓09'23	0°01'51	
behind sun begin	-10606 May 14 j 17:02	5°♓04'52		
behind sun end	-10606 May 15 j 09:19	5°♓13'53		
asc. node	-10606 May 25 j 18:24	7°♓32'31		
morning rise	-10606 May 28 j 03:41	8°♓04'15		
retrograde	-10606 Sep 25 j 20:24	25°♓25'42		
opposition	-10606 Nov 24 j 18:05	20°♓32'42	0°37'12	
min. Earth dist.	-10606 Nov 25 j 12:45	20°♓26'39	4.32957 AU	
direct	-10605 Jan 26 j 00:58	15°♓30'04		
	-10605 May 17 j 03:05	0°♈		
evening set	-10605 Jun 03 j 02:26	3°♈41'39		
conjunction	-10605 Jun 15 j 22:52	6°♈33'08	0°51'43	
minimum elong	-10605 Jun 15 j 22:48	6°♈33'05	0°51'43	
max. Earth dist.	-10605 Jun 14 j 17:34	6°♈16'47	6.33816 AU	
morning rise	-10605 Jun 28 j 16:00	9°♈23'01		
retrograde	-10605 Oct 27 j 13:46	26°♈41'34		
opposition	-10605 Dec 27 j 05:09	21°♈49'50	1°46'43	
min. Earth dist.	-10605 Dec 28 j 02:25	21°♈43'03	4.33731 AU	
direct	-10604 Feb 27 j 16:51	16°♈49'56		
	-10604 Jun 11 j 00:34	0°♉		
evening set	-10604 Jul 03 j 12:30	4°♉54'01		
max. Earth dist.	-10604 Jul 14 j 19:08	7°♉25'47	6.32392 AU	
conjunction	-10604 Jul 16 j 00:25	7°♉42'15	1°29'39	
minimum elong	-10604 Jul 16 j 00:20	7°♉42'13	1°29'58	
morning rise	-10604 Jul 28 j 10:28	10°♉29'37		
	-10604 Aug 17 j 23:47	15°♉		
retrograde	-10604 Nov 28 j 04:18	28°♉07'43		
opposition	-10603 Jan 28 j 08:53	23°♉15'25	2°25'37	
min. Earth dist.	-10603 Jan 29 j 04:16	23°♉09'17	4.30311 AU	
direct	-10603 Mar 31 j 11:48	18°♉18'37		
	-10603 Jul 05 j 10:59	0°♊		
evening set	-10603 Aug 03 j 16:43	6°♊23'24		
max. Earth dist.	-10603 Aug 15 j 04:39	9°♊00'18	6.27157 AU	
conjunction	-10603 Aug 16 j 01:21	9°♊12'06	1°41'35	
minimum elong	-10603 Aug 16 j 01:21	9°♊12'06	1°42'06	
morning rise	-10603 Aug 28 j 09:55	12°♊00'53		
	-10603 Dec 19 j 00:53	0°♋		
retrograde	-10603 Dec 31 j 21:46	0°♋15'22		
	-10602 Jan 13 j 19:27	30°℞♊		
opposition	-10602 Mar 03 j 10:46	25°♊20'40	2°21'27	
min. Earth dist.	-10602 Mar 03 j 20:03	25°♊17'43	4.23653 AU	
direct	-10602 May 03 j 13:28	20°♊26'29		
	-10602 Jul 26 j 14:21	0°♋		
evening set	-10602 Sep 04 j 09:12	8°♋39'24		
conjunction	-10602 Sep 16 j 21:30	11°♋32'43	1°22'36	
minimum elong	-10602 Sep 16 j 21:34	11°♋32'46	1°23'12	
max. Earth dist.	-10602 Sep 16 j 16:36	11°♋29'53	6.19653 AU	
morning rise	-10602 Sep 29 j 11:30	14°♋27'06		
	-10602 Dec 18 j 12:16	0°♌		
retrograde	-10601 Feb 05 j 00:36	3°♌25'16		

Attention, astronomical year style is used: The year -10601 in astronomical counting style is the year 10602 BCE in historical counting style.

	-10601 Mar 26 j 05:17	30℞♋	
opposition	-10601 Apr 07 j 10:09	28°♋27'02	1°31'47
min. Earth dist.	-10601 Apr 07 j 07:59	28°♋27'44	4.15772 AU
direct	-10601 Jun 06 j 08:26	23°♋34'07	
	-10601 Aug 11 j 10:55	0°♌	
evening set	-10601 Oct 07 j 07:30	12°♌01'23	
conjunction	-10601 Oct 20 j 04:42	15°♌01'55	0°36'16
minimum elong	-10601 Oct 20 j 04:46	15°♌01'57	0°36'43
	-10601 Oct 20 j 01:25	15°♌	
max. Earth dist.	-10601 Oct 20 j 16:45	15°♌08'58	6.12187 AU
morning rise	-10601 Nov 02 j 05:16	18°♌04'17	
	-10601 Dec 28 j 04:13	0°♍	
retrograde	-10600 Mar 12 j 00:02	7°♍40'55	
opposition	-10600 May 11 j 23:02	2°♍38'55	0°09'06
min. Earth dist.	-10600 May 11 j 08:02	2°♍43'53	4.09295 AU
	-10600 Jun 02 j 04:01	30℞♌	
desc. node	-10600 Jun 20 j 14:28	28°♌22'14	
direct	-10600 Jul 09 j 17:33	27°♌45'24	
	-10600 Aug 15 j 22:11	0°♍	
evening set	-10600 Nov 09 j 23:39	16°♍30'57	
conjunction	-10600 Nov 23 j 06:52	19°♍38'01	-0°23'39
minimum elong	-10600 Nov 23 j 06:49	19°♍38'00	0°23'30
max. Earth dist.	-10600 Nov 24 j 10:35	19°♍54'18	6.07329 AU
morning rise	-10600 Dec 06 j 17:35	22°♍46'59	
	-10599 Jan 07 j 19:33	0°♎	
retrograde	-10599 Apr 17 j 08:19	12°♎43'12	
opposition	-10599 Jun 16 j 12:18	7°♎38'36	-1°18'33
min. Earth dist.	-10599 Jun 15 j 15:42	7°♎45'34	4.06555 AU
direct	-10599 Aug 13 j 17:36	2°♎42'38	
evening set	-10599 Dec 16 j 07:30	21°♎44'52	
conjunction	-10599 Dec 29 j 21:33	24°♎54'55	-1°15'39
minimum elong	-10599 Dec 29 j 21:27	24°♎54'52	1°15'50
max. Earth dist.	-10599 Dec 31 j 07:15	25°♎14'36	6.06867 AU
morning rise	-10598 Jan 12 j 14:07	28°♎06'15	
	-10598 Jan 20 j 19:41	0°♏	
	-10598 Apr 09 j 19:38	15°♏	
retrograde	-10598 May 23 j 00:25	17°♏53'27	
	-10598 Jul 04 j 22:20	15℞♏	
opposition	-10598 Jul 21 j 11:48	12°♏48'35	-2°17'34
min. Earth dist.	-10598 Jul 20 j 15:45	12°♏55'27	4.08560 AU
direct	-10598 Sep 17 j 19:19	7°♏49'16	
	-10598 Nov 26 j 17:47	15°♏	
evening set	-10597 Jan 22 j 08:58	26°♏58'18	
	-10597 Feb 04 j 12:43	0°♐	
conjunction	-10597 Feb 05 j 01:38	0°♐07'27	-1°39'55
minimum elong	-10597 Feb 05 j 01:37	0°♐07'26	1°40'23
max. Earth dist.	-10597 Feb 06 j 03:15	0°♐22'13	6.11021 AU
morning rise	-10597 Feb 18 j 19:10	3°♐16'53	
retrograde	-10597 Jun 26 j 11:52	22°♐28'39	
opposition	-10597 Aug 24 j 13:17	17°♐25'52	-2°26'26
min. Earth dist.	-10597 Aug 24 j 01:35	17°♐29'52	4.14500 AU
direct	-10597 Oct 22 j 17:48	12°♐23'27	
	-10596 Feb 21 j 13:57	0°♑	
evening set	-10596 Feb 27 j 21:09	1°♑24'52	
conjunction	-10596 Mar 12 j 13:33	4°♑30'50	-1°28'34
minimum elong	-10596 Mar 12 j 13:38	4°♑30'52	1°29'10
max. Earth dist.	-10596 Mar 13 j 00:15	4°♑36'54	6.18236 AU
morning rise	-10596 Mar 26 j 04:27	7°♑35'56	
retrograde	-10596 Jul 28 j 14:51	25°♑59'55	
opposition	-10596 Sep 25 j 15:39	21°♑00'48	-1°45'35
min. Earth dist.	-10596 Sep 25 j 15:02	21°♑01'00	4.22241 AU
direct	-10596 Nov 25 j 00:52	15°♑56'41	

	-10595 Mar 12 j 13:12	0°♒	
evening set	-10595 Apr 02 j 23:34	4°♒40'22	
conjunction	-10595 Apr 16 j 11:51	7°♒41'38	-0°48'07
minimum elong	-10595 Apr 16 j 11:56	7°♒41'40	0°48'37
max. Earth dist.	-10595 Apr 16 j 02:06	7°♒36'10	6.25959 AU
morning rise	-10595 Apr 29 j 21:25	10°♒41'23	
	-10595 May 19 j 14:39	15°♒	
retrograde	-10595 Aug 29 j 16:36	28°♒23'38	
opposition	-10595 Oct 28 j 01:56	23°♒28'15	-0°32'41
min. Earth dist.	-10595 Oct 28 j 13:21	23°♒24'29	4.29210 AU
direct	-10595 Dec 28 j 16:04	18°♒24'11	
asc. node	-10594 Apr 03 j 17:32	29°♒51'02	
	-10594 Apr 04 j 11:22	0°♓	
evening set	-10594 May 06 j 10:46	6°♓48'33	
conjunction	-10594 May 19 j 15:31	9°♓44'26	0°06'29
minimum elong	-10594 May 19 j 15:31	9°♓44'26	0°06'14
behind sun begin	-10594 May 19 j 07:50	9°♓40'11	
behind sun end	-10594 May 19 j 23:11	9°♓48'41	
max. Earth dist.	-10594 May 18 j 16:38	9°♓31'42	6.31716 AU
morning rise	-10594 Jun 01 j 16:34	12°♓38'28	
retrograde	-10594 Sep 30 j 06:51	29°♓57'59	
opposition	-10594 Nov 29 j 07:27	25°♓05'19	0°48'13
min. Earth dist.	-10594 Nov 30 j 02:20	24°♓59'13	4.33333 AU
direct	-10593 Jan 30 j 15:01	20°♓03'04	
	-10593 Apr 29 j 11:16	0°♈	
evening set	-10593 Jun 07 j 14:07	8°♈13'15	
max. Earth dist.	-10593 Jun 19 j 01:58	10°♈46'45	6.33832 AU
conjunction	-10593 Jun 20 j 09:04	11°♈04'07	0°58'18
minimum elong	-10593 Jun 20 j 09:00	11°♈04'04	0°58'20
morning rise	-10593 Jul 03 j 01:09	13°♈53'32	
	-10593 Oct 03 j 23:01	0°♉	
retrograde	-10593 Nov 01 j 04:31	1°♉13'52	
	-10593 Nov 29 j 12:32	30℞♈	
opposition	-10593 Dec 31 j 20:42	26°♈22'13	1°54'27
min. Earth dist.	-10592 Jan 01 j 19:05	26°♈15'05	4.33404 AU
direct	-10592 Mar 03 j 08:34	21°♈22'45	
	-10592 May 23 j 18:04	0°♉	
evening set	-10592 Jul 07 j 22:31	9°♉26'56	
max. Earth dist.	-10592 Jul 19 j 05:30	11°♉59'10	6.31734 AU
conjunction	-10592 Jul 20 j 09:44	12°♉15'05	1°33'06
minimum elong	-10592 Jul 20 j 09:40	12°♉15'03	1°33'28
morning rise	-10592 Aug 01 j 19:08	15°♉02'26	
	-10592 Aug 01 j 14:47	15°♉	
	-10592 Oct 20 j 18:18	0°♊	
retrograde	-10592 Dec 02 j 20:51	2°♊45'21	
	-10591 Jan 15 j 19:36	30℞♉	
opposition	-10591 Feb 02 j 03:32	27°♉52'52	2°27'50
min. Earth dist.	-10591 Feb 02 j 20:58	27°♉47'20	4.29400 AU
direct	-10591 Apr 05 j 02:23	22°♉56'34	
	-10591 Jun 16 j 00:04	0°♊	
evening set	-10591 Aug 08 j 04:03	11°♊02'42	
conjunction	-10591 Aug 20 j 12:44	13°♊51'52	1°40'46
minimum elong	-10591 Aug 20 j 12:45	13°♊51'52	1°41'19
max. Earth dist.	-10591 Aug 19 j 18:11	13°♊41'15	6.26076 AU
morning rise	-10591 Sep 01 j 21:38	16°♊41'15	
	-10591 Nov 07 j 05:15	0°♋	
retrograde	-10590 Jan 05 j 21:19	5°♋02'11	
opposition	-10590 Mar 08 j 09:19	0°♋07'07	2°17'02
min. Earth dist.	-10590 Mar 08 j 17:43	0°♋04'26	4.22484 AU
	-10590 Mar 09 j 07:38	30℞♊	
direct	-10590 May 08 j 08:50	25°♊13'17	
	-10590 Jul 04 j 11:13	0°♋	

Attention, astronomical year style is used: The year -10590 in astronomical counting style is the year 10591 BCE in historical counting style.

evening set	-10590 Sep 08 j 23:55	13°♋28'09	
conjunction	-10590 Sep 21 j 13:13	16°♋22'25	1°17'27
minimum elong	-10590 Sep 21 j 13:19	16°♋22'28	1°18'02
max. Earth dist.	-10590 Sep 21 j 10:39	16°♋20'55	6.18530 AU
morning rise	-10590 Oct 04 j 04:37	19°♋17'53	
	-10590 Nov 23 j 05:27	0°♌	
retrograde	-10589 Feb 10 j 01:20	8°♌22'02	
opposition	-10589 Apr 12 j 11:18	3°♌23'16	1°21'30
min. Earth dist.	-10589 Apr 12 j 05:56	3°♌25'00	4.14805 AU
	-10589 May 11 j 10:33	30°℞♋	
direct	-10589 Jun 11 j 04:35	28°♋30'27	
	-10589 Jul 11 j 17:00	0°♌	
	-10589 Oct 03 j 12:13	15°♌	
evening set	-10589 Oct 12 j 03:23	16°♌59'40	
conjunction	-10589 Oct 25 j 02:02	20°♌01'09	0°28'08
minimum elong	-10589 Oct 25 j 02:04	20°♌01'11	0°28'34
max. Earth dist.	-10589 Oct 25 j 17:31	20°♌10'13	6.11477 AU
morning rise	-10589 Nov 07 j 04:01	23°♌04'29	
	-10589 Dec 08 j 00:02	0°♍	
retrograde	-10588 Mar 17 j 04:24	12°♍44'30	
desc. node	-10588 Apr 30 j 10:53	9°♍49'32	
min. Earth dist.	-10588 May 16 j 08:46	7°♍47'15	4.08902 AU
opposition	-10588 May 17 j 00:35	7°♍42'00	-0°03'48
direct	-10588 Jul 14 j 17:46	2°♍48'13	
evening set	-10588 Nov 15 j 00:51	21°♍35'13	
conjunction	-10588 Nov 28 j 09:11	24°♍42'47	-0°31'59
minimum elong	-10588 Nov 28 j 09:07	24°♍42'45	0°31'52
max. Earth dist.	-10588 Nov 29 j 14:50	25°♍00'10	6.07283 AU
morning rise	-10588 Dec 11 j 20:59	27°♍52'12	
	-10588 Dec 21 j 02:11	0°♎	
retrograde	-10587 Apr 22 j 09:12	17°♎47'32	
opposition	-10587 Jun 21 j 11:23	12°♎42'44	-1°29'12
min. Earth dist.	-10587 Jun 20 j 13:57	12°♎50'00	4.06884 AU
direct	-10587 Aug 18 j 15:20	7°♎46'20	
evening set	-10587 Dec 21 j 11:35	26°♎48'56	
conjunction	-10586 Jan 04 j 02:03	29°♎58'52	-1°21'01
minimum elong	-10586 Jan 04 j 01:57	29°♎58'48	1°21'16
	-10586 Jan 04 j 04:00	0°♏	
max. Earth dist.	-10586 Jan 05 j 10:10	0°♏17'34	6.07498 AU
morning rise	-10586 Jan 17 j 19:00	3°♏09'58	
	-10586 Mar 14 j 04:59	15°♏	
retrograde	-10586 May 27 j 20:56	22°♏52'29	
opposition	-10586 Jul 26 j 07:13	17°♏47'43	-2°21'58
min. Earth dist.	-10586 Jul 25 j 12:28	17°♏54'09	4.09428 AU
	-10586 Aug 17 j 01:13	15°℞♏	
direct	-10586 Sep 22 j 17:42	12°♏47'52	
	-10586 Oct 29 j 15:50	15°♏	
	-10585 Jan 19 j 00:05	0°♐	
evening set	-10585 Jan 27 j 11:45	1°♐55'45	
conjunction	-10585 Feb 10 j 04:40	5°♐04'31	-1°40'26
minimum elong	-10585 Feb 10 j 04:39	5°♐04'31	1°40'56
max. Earth dist.	-10585 Feb 11 j 05:28	5°♐18'47	6.12043 AU
morning rise	-10585 Feb 23 j 21:49	8°♐13'19	
retrograde	-10585 Jul 01 j 04:34	27°♐18'25	
opposition	-10585 Aug 29 j 04:47	22°♐16'07	-2°23'26
min. Earth dist.	-10585 Aug 28 j 18:44	22°♐19'32	4.15571 AU
direct	-10585 Oct 27 j 12:49	17°♐13'21	
	-10584 Feb 04 j 11:03	0°♑	
evening set	-10584 Mar 03 j 20:09	6°♑12'40	
conjunction	-10584 Mar 17 j 12:05	9°♑18'02	-1°24'25
minimum elong	-10584 Mar 17 j 12:10	9°♑18'05	1°25'00
max. Earth dist.	-10584 Mar 17 j 18:11	9°♑21'30	6.19260 AU
morning rise	-10584 Mar 31 j 02:36	12°♑22'31	
	-10584 Jul 12 j 22:01	0°♒	
retrograde	-10584 Aug 02 j 03:04	0°♒40'28	
	-10584 Aug 22 j 05:46	30°℞♑	
opposition	-10584 Sep 30 j 04:31	25°♑41'52	-1°36'52
min. Earth dist.	-10584 Sep 30 j 06:10	25°♑41'18	4.23121 AU
direct	-10584 Nov 29 j 18:12	20°♑37'34	
	-10583 Feb 22 j 07:21	0°♒	
evening set	-10583 Apr 07 j 17:38	9°♒19'19	
conjunction	-10583 Apr 21 j 05:16	12°♒20'01	-0°40'59
minimum elong	-10583 Apr 21 j 05:20	12°♒20'03	0°41'28
max. Earth dist.	-10583 Apr 20 j 18:05	12°♒13'45	6.26657 AU
	-10583 May 03 j 03:26	15°♒	
morning rise	-10583 May 04 j 13:44	15°♒19'05	
	-10583 Jul 21 j 09:24	0°♓	
retrograde	-10583 Sep 03 j 03:43	2°♓57'54	
	-10583 Oct 17 j 08:26	30°℞♒	
opposition	-10583 Nov 01 j 14:19	28°♒03'00	-0°21'20
min. Earth dist.	-10583 Nov 02 j 02:53	27°♒58'52	4.29665 AU
direct	-10582 Jan 02 j 06:39	22°♒59'08	
asc. node	-10582 Feb 11 j 17:21	25°♒21'49	
	-10582 Mar 15 j 19:44	0°♓	
evening set	-10582 May 11 j 00:58	11°♓22'17	
max. Earth dist.	-10582 May 23 j 02:37	14°♓03'13	6.31893 AU
conjunction	-10582 May 24 j 04:21	14°♓17'33	0°14'15
minimum elong	-10582 May 24 j 04:19	14°♓17'32	0°14'02
behind sun begin	-10582 May 24 j 00:17	14°♓15'18	
behind sun end	-10582 May 24 j 08:22	14°♓19'47	
morning rise	-10582 Jun 06 j 04:21	17°♓11'04	
	-10582 Aug 10 j 15:22	0°♈	
retrograde	-10582 Oct 04 j 19:35	4°♈30'31	
	-10582 Dec 01 j 01:27	30°℞♓	
opposition	-10582 Dec 03 j 21:30	29°♓38'04	0°58'55
min. Earth dist.	-10582 Dec 04 j 17:31	29°♓31'36	4.33243 AU
direct	-10581 Feb 04 j 06:24	24°♓36'07	
	-10581 Apr 08 j 06:42	0°♈	
evening set	-10581 Jun 12 j 01:57	12°♈46'07	
conjunction	-10581 Jun 24 j 19:49	15°♈36'36	1°04'31
minimum elong	-10581 Jun 24 j 19:44	15°♈36'33	1°04'37
max. Earth dist.	-10581 Jun 23 j 14:09	15°♈20'01	6.33485 AU
morning rise	-10581 Jul 07 j 10:36	18°♈25'38	
	-10581 Sep 02 j 22:19	0°♉	
retrograde	-10581 Nov 05 j 18:31	5°♉48'48	
opposition	-10580 Jan 05 j 13:27	0°♉57'09	2°01'31
min. Earth dist.	-10580 Jan 06 j 10:33	0°♉50'26	4.32853 AU
	-10580 Jan 13 j 02:18	30°℞♈	
direct	-10580 Mar 07 j 23:26	25°♈58'12	
	-10580 Apr 30 j 14:02	0°♉	
evening set	-10580 Jul 12 j 09:54	14°♉02'47	
	-10580 Jul 16 j 15:48	15°♉	
conjunction	-10580 Jul 24 j 20:13	16°♉50'51	1°35'59
minimum elong	-10580 Jul 24 j 20:10	16°♉50'49	1°36'22
max. Earth dist.	-10580 Jul 23 j 16:32	16°♉35'12	6.31010 AU
morning rise	-10580 Aug 06 j 05:16	19°♉38'18	
	-10580 Sep 25 j 01:27	0°♊	
retrograde	-10580 Dec 07 j 16:47	7°♊26'02	
opposition	-10579 Feb 06 j 23:59	2°♊33'14	2°29'06
min. Earth dist.	-10579 Feb 07 j 16:36	2°♊27'58	4.28554 AU
	-10579 Feb 28 j 05:09	30°℞♉	
direct	-10579 Apr 09 j 20:52	27°♉37'20	
	-10579 May 19 j 23:02	0°♊	
evening set	-10579 Aug 12 j 16:08	15°♊44'05	

Attention, astronomical year style is used: The year -10579 in astronomical counting style is the year 10580 BCE in historical counting style.

max. Earth dist.	-10579 Aug 24 j 09:34	18°♊24'47	6.25177 AU
conjunction	-10579 Aug 25 j 01:09	18°♊33'42	1°39'18
minimum elong	-10579 Aug 25 j 01:11	18°♊33'43	1°39'52
morning rise	-10579 Sep 06 j 10:31	21°♊23'41	
	-10579 Oct 16 j 06:59	0°♋	
retrograde	-10578 Jan 10 j 18:49	9°♋50'03	
opposition	-10578 Mar 13 j 08:27	4°♋54'28	2°11'37
min. Earth dist.	-10578 Mar 13 j 13:59	4°♋52'42	4.21588 AU
direct	-10578 May 13 j 03:30	0°♋00'56	
evening set	-10578 Sep 13 j 15:04	18°♋16'38	
conjunction	-10578 Sep 26 j 05:22	21°♋11'42	1°11'46
minimum elong	-10578 Sep 26 j 05:27	21°♋11'45	1°12'19
max. Earth dist.	-10578 Sep 26 j 05:23	21°♋11'43	6.17707 AU
morning rise	-10578 Oct 08 j 22:01	24°♋08'07	
	-10578 Nov 04 j 01:39	0°♌	
retrograde	-10577 Feb 15 j 03:32	13°♌17'01	
opposition	-10577 Apr 17 j 11:46	8°♌17'41	1°10'39
min. Earth dist.	-10577 Apr 17 j 05:10	8°♌19'49	4.14083 AU
direct	-10577 Jun 16 j 02:24	3°♌24'49	
	-10577 Sep 16 j 03:44	15°♌	
evening set	-10577 Oct 16 j 23:02	21°♌55'26	
conjunction	-10577 Oct 29 j 23:07	24°♌57'47	0°19'51
minimum elong	-10577 Oct 29 j 23:09	24°♌57'48	0°20'14
max. Earth dist.	-10577 Oct 30 j 17:10	25°♌08'21	6.10936 AU
morning rise	-10577 Nov 12 j 02:36	28°♌02'02	
	-10577 Nov 20 j 14:59	0°♍	
desc. node	-10576 Mar 10 j 07:21	17°♍31'03	
retrograde	-10576 Mar 22 j 06:33	17°♍44'36	
min. Earth dist.	-10576 May 21 j 07:23	12°♍47'27	4.08599 AU
opposition	-10576 May 22 j 00:34	12°♍41'44	-0°16'35
direct	-10576 Jul 19 j 14:18	7°♍47'43	
evening set	-10576 Nov 20 j 01:34	26°♍36'25	
conjunction	-10576 Dec 03 j 10:51	29°♍44'25	-0°40'01
minimum elong	-10576 Dec 03 j 10:47	29°♍44'23	0°39'57
	-10576 Dec 04 j 13:26	0°♎	
max. Earth dist.	-10576 Dec 04 j 16:19	0°♎01'42	6.07228 AU
morning rise	-10576 Dec 16 j 23:42	2°♎54'15	
retrograde	-10575 Apr 27 j 08:49	22°♎49'02	
opposition	-10575 Jun 26 j 09:24	17°♎44'06	-1°39'09
min. Earth dist.	-10575 Jun 25 j 12:06	17°♎51'20	4.07093 AU
direct	-10575 Aug 23 j 13:39	12°♎47'14	
	-10575 Dec 18 j 14:20	0°♏	
evening set	-10575 Dec 26 j 15:17	1°♏51'01	
conjunction	-10574 Jan 09 j 06:25	5°♏00'57	-1°25'47
minimum elong	-10574 Jan 09 j 06:19	5°♏00'54	1°26'05
max. Earth dist.	-10574 Jan 10 j 15:03	5°♏19'57	6.07951 AU
morning rise	-10574 Jan 22 j 23:28	8°♏11'53	
	-10574 Feb 22 j 09:15	15°♏	
retrograde	-10574 Jun 01 j 18:39	27°♏50'24	
min. Earth dist.	-10574 Jul 30 j 08:47	22°♏51'54	4.10099 AU
opposition	-10574 Jul 31 j 02:10	22°♏45'56	-2°25'23
direct	-10574 Sep 27 j 14:53	17°♏45'40	
	-10573 Jan 01 j 11:37	0°♐	
evening set	-10573 Feb 01 j 15:10	6°♐53'23	
conjunction	-10573 Feb 15 j 08:00	10°♐01'48	-1°40'15
minimum elong	-10573 Feb 15 j 08:00	10°♐01'48	1°40'48
max. Earth dist.	-10573 Feb 16 j 05:02	10°♐13'52	6.12853 AU
morning rise	-10573 Mar 01 j 01:08	13°♐10'11	
	-10573 May 30 j 02:30	0°♑	
retrograde	-10573 Jul 05 j 20:31	2°♑09'23	
	-10573 Aug 11 j 08:35	30°℞♐	
opposition	-10573 Sep 02 j 20:44	27°♐07'33	-2°19'29
min. Earth dist.	-10573 Sep 02 j 12:07	27°♐10'30	4.16445 AU
direct	-10573 Nov 01 j 08:28	22°♐04'27	
	-10572 Jan 15 j 22:53	0°♑	
evening set	-10572 Mar 08 j 19:46	11°♑02'25	
conjunction	-10572 Mar 22 j 11:29	14°♑07'20	-1°19'38
minimum elong	-10572 Mar 22 j 11:35	14°♑07'23	1°20'13
max. Earth dist.	-10572 Mar 22 j 15:35	14°♑09'39	6.20148 AU
morning rise	-10572 Apr 05 j 01:18	17°♑11'12	
	-10572 Jun 07 j 13:23	0°♒	
retrograde	-10572 Aug 06 j 17:39	5°♒23'43	
opposition	-10572 Oct 04 j 18:43	0°♒25'42	-1°27'26
min. Earth dist.	-10572 Oct 04 j 22:19	0°♒24'30	4.23924 AU
	-10572 Oct 07 j 23:27	30°℞♑	
direct	-10572 Dec 04 j 11:58	25°♑21'25	
	-10571 Jan 30 j 14:36	0°♒	
evening set	-10571 Apr 12 j 12:40	14°♒01'19	
	-10571 Apr 16 j 22:08	15°♒	
conjunction	-10571 Apr 25 j 23:22	17°♒01'25	-0°33'30
minimum elong	-10571 Apr 25 j 23:25	17°♒01'27	0°33'56
max. Earth dist.	-10571 Apr 25 j 09:06	16°♒53'27	6.27316 AU
morning rise	-10571 May 09 j 06:55	19°♒59'50	
	-10571 Jun 26 j 12:52	0°♓	
retrograde	-10571 Sep 07 j 15:33	7°♓35'31	
opposition	-10571 Nov 06 j 04:07	2°♓41'01	-0°09'41
min. Earth dist.	-10571 Nov 06 j 17:44	2°♓36'33	4.30146 AU
	-10571 Nov 27 j 18:42	30°℞♒	
asc. node	-10571 Dec 22 j 09:51	27°♒59'49	
direct	-10570 Jan 06 j 22:53	27°♒37'20	
	-10570 Feb 16 j 10:41	0°♓	
evening set	-10570 May 15 j 15:59	15°♓59'07	
conjunction	-10570 May 28 j 18:09	18°♓53'45	0°22'03
minimum elong	-10570 May 28 j 18:07	18°♓53'43	0°21'52
max. Earth dist.	-10570 May 27 j 16:35	18°♓39'29	6.32181 AU
morning rise	-10570 Jun 10 j 16:45	21°♓46'35	
	-10570 Jul 19 j 18:12	0°♈	
retrograde	-10570 Oct 09 j 08:16	9°♈05'41	
opposition	-10570 Dec 08 j 12:26	4°♈13'29	1°09'22
min. Earth dist.	-10570 Dec 09 j 08:35	4°♈07'00	4.33340 AU
	-10569 Jan 16 j 19:50	30°℞♓	
direct	-10569 Feb 08 j 22:12	29°♓12'01	
	-10569 Mar 04 j 03:38	0°♈	
evening set	-10569 Jun 16 j 14:06	17°♈21'00	
max. Earth dist.	-10569 Jun 28 j 00:01	19°♈53'50	6.33370 AU
conjunction	-10569 Jun 29 j 06:35	20°♈10'57	1°10'25
minimum elong	-10569 Jun 29 j 06:30	20°♈10'54	1°10'34
morning rise	-10569 Jul 11 j 20:27	22°♈59'35	
	-10569 Aug 13 j 14:31	0°♉	
retrograde	-10569 Nov 10 j 10:02	10°♉24'57	
opposition	-10568 Jan 10 j 06:45	5°♉33'11	2°07'52
min. Earth dist.	-10568 Jan 11 j 03:23	5°♉26'38	4.32563 AU
direct	-10568 Mar 12 j 16:11	0°♉34'39	
	-10568 Jun 30 j 08:32	15°♉	
evening set	-10568 Jul 16 j 20:24	18°♉38'34	
max. Earth dist.	-10568 Jul 28 j 05:32	21°♉12'33	6.30561 AU
conjunction	-10568 Jul 29 j 06:15	21°♉26'32	1°38'17
minimum elong	-10568 Jul 29 j 06:12	21°♉26'30	1°38'42
morning rise	-10568 Aug 10 j 14:44	24°♉13'57	
	-10568 Sep 06 j 00:12	0°♊	
retrograde	-10568 Dec 12 j 09:41	12°♊05'33	
opposition	-10567 Feb 11 j 19:30	7°♊12'26	2°29'22
min. Earth dist.	-10567 Feb 12 j 10:18	7°♊07'44	4.27983 AU

Attention, astronomical year style is used: The year -10567 in astronomical counting style is the year 10568 BCE in historical counting style.

direct	-10567 Apr 14 j 13:38	2°♊16'56	
evening set	-10567 Aug 17 j 03:16	20°♊23'23	
conjunction	-10567 Aug 29 j 12:26	23°♊13'23	1°37'12
minimum elong	-10567 Aug 29 j 12:29	23°♊13'24	1°37'47
max. Earth dist.	-10567 Aug 28 j 22:07	23°♊05'10	6.24518 AU
morning rise	-10567 Sep 10 j 22:29	26°♊03'54	
	-10567 Sep 28 j 11:39	0°♋	
retrograde	-10566 Jan 15 j 16:12	14°♋34'54	
opposition	-10566 Mar 18 j 05:48	9°♋38'46	2°05'23
min. Earth dist.	-10566 Mar 18 j 09:58	9°♋37'26	4.20860 AU
direct	-10566 May 17 j 21:58	4°♋45'20	
evening set	-10566 Sep 18 j 04:32	23°♋01'31	
conjunction	-10566 Sep 30 j 20:06	25°♋57'25	1°05'40
minimum elong	-10566 Sep 30 j 20:11	25°♋57'28	1°06'13
max. Earth dist.	-10566 Sep 30 j 23:16	25°♋59'15	6.16989 AU
morning rise	-10566 Oct 13 j 14:02	28°♋54'44	
	-10566 Oct 18 j 07:36	0°♌	
	-10565 Jan 04 j 21:51	15°♌	
retrograde	-10565 Feb 20 j 03:01	18°♌07'51	
	-10565 Apr 07 j 17:32	15°℞♌	
opposition	-10565 Apr 22 j 10:04	13°♌08'00	0°59'27
min. Earth dist.	-10565 Apr 22 j 02:00	13°♌10'38	4.13419 AU
direct	-10565 Jun 20 j 20:39	8°♌15'04	
	-10565 Aug 27 j 09:34	15°♌	
evening set	-10565 Oct 21 j 17:15	26°♌47'08	
conjunction	-10565 Nov 03 j 18:33	29°♌50'18	0°11'33
minimum elong	-10565 Nov 03 j 18:35	29°♌50'19	0°11'54
behind sun begin	-10565 Nov 03 j 12:54	29°♌47'00	
behind sun end	-10565 Nov 04 j 00:15	29°♌53'37	
	-10565 Nov 04 j 11:08	0°♍	
max. Earth dist.	-10565 Nov 04 j 13:14	0°♍01'14	6.10378 AU
morning rise	-10565 Nov 16 j 23:34	2°♍55'26	
desc. node	-10564 Jan 19 j 11:44	16°♍13'21	
retrograde	-10564 Mar 27 j 06:01	22°♍40'43	
opposition	-10564 May 26 j 22:30	17°♍37'24	-0°29'04
min. Earth dist.	-10564 May 26 j 04:31	17°♍43'24	4.08189 AU
direct	-10564 Jul 24 j 10:13	12°♍43'00	
	-10564 Nov 18 j 06:53	0°♎	
evening set	-10564 Nov 25 j 01:06	1°♎34'03	
conjunction	-10564 Dec 08 j 11:36	4°♎42'36	-0°47'40
minimum elong	-10564 Dec 08 j 11:31	4°♎42'33	0°47'38
max. Earth dist.	-10564 Dec 09 j 18:53	5°♎00'56	6.07008 AU
morning rise	-10564 Dec 22 j 01:12	7°♎52'51	
retrograde	-10563 May 02 j 09:01	27°♎47'28	
min. Earth dist.	-10563 Jun 30 j 09:30	22°♎49'26	4.07108 AU
opposition	-10563 Jul 01 j 05:57	22°♎42'29	-1°48'16
direct	-10563 Aug 28 j 10:09	17°♎45'10	
	-10563 Dec 01 j 05:16	0°♏	
evening set	-10563 Dec 31 j 18:39	6°♏51'00	
conjunction	-10562 Jan 14 j 10:08	10°♏01'01	-1°29'52
minimum elong	-10562 Jan 14 j 10:03	10°♏00'58	1°30'12
max. Earth dist.	-10562 Jan 15 j 16:14	10°♏18'30	6.08174 AU
morning rise	-10562 Jan 28 j 03:39	13°♏11'56	
	-10562 Feb 05 j 00:09	15°♏	
	-10562 Apr 25 j 09:12	0°♐	
retrograde	-10562 Jun 06 j 14:22	2°♐47'13	
	-10562 Jul 18 j 13:18	30°℞♏	
opposition	-10562 Aug 04 j 20:41	27°♏42'59	-2°27'43
min. Earth dist.	-10562 Aug 04 j 03:44	27°♏48'48	4.10530 AU
direct	-10562 Oct 02 j 11:08	22°♏42'15	
	-10562 Dec 12 j 10:55	0°♐	
evening set	-10561 Feb 06 j 18:19	11°♐50'33	

conjunction	-10561 Feb 20 j 11:21	14°♐58'46	-1°39'19
minimum elong	-10561 Feb 20 j 11:23	14°♐58'47	1°39'52
max. Earth dist.	-10561 Feb 21 j 06:54	15°♐09'58	6.13473 AU
morning rise	-10561 Mar 06 j 04:11	18°♐06'46	
	-10561 May 02 j 00:57	0°♑	
retrograde	-10561 Jul 10 j 14:52	7°♑00'44	
opposition	-10561 Sep 07 j 13:21	1°♑59'25	-2°14'31
min. Earth dist.	-10561 Sep 07 j 06:49	2°♑01'38	4.17184 AU
	-10561 Sep 22 j 14:29	30°℞♐	
direct	-10561 Nov 06 j 04:58	26°♐56'04	
	-10561 Dec 21 j 03:11	0°♑	
evening set	-10560 Mar 13 j 19:49	15°♑52'48	
conjunction	-10560 Mar 27 j 11:09	18°♑57'16	-1°14'16
minimum elong	-10560 Mar 27 j 11:14	18°♑57'20	1°14'51
max. Earth dist.	-10560 Mar 27 j 12:54	18°♑58'16	6.20963 AU
morning rise	-10560 Apr 10 j 00:23	22°♑00'34	
	-10560 May 17 j 05:53	0°♒	
retrograde	-10560 Aug 11 j 06:29	10°♒07'45	
opposition	-10560 Oct 09 j 09:31	5°♒10'14	-1°17'21
min. Earth dist.	-10560 Oct 09 j 13:43	5°♒08'50	4.24744 AU
direct	-10560 Dec 09 j 05:50	0°♒05'55	
	-10559 Mar 31 j 06:39	15°♒	
evening set	-10559 Apr 17 j 07:56	18°♒43'37	
conjunction	-10559 Apr 30 j 17:37	21°♒43'00	-0°25'45
minimum elong	-10559 Apr 30 j 17:40	21°♒43'01	0°26'09
max. Earth dist.	-10559 Apr 30 j 01:52	21°♒34'12	6.28103 AU
morning rise	-10559 May 14 j 00:04	24°♒40'39	
	-10559 Jun 07 j 13:30	0°♓	
retrograde	-10559 Sep 12 j 04:26	12°♓12'44	
asc. node	-10559 Oct 31 j 22:08	8°♓35'01	
opposition	-10559 Nov 10 j 18:27	7°♓18'38	0°02'03
min. Earth dist.	-10559 Nov 11 j 09:28	7°♓13'44	4.30816 AU
direct	-10558 Jan 11 j 16:39	2°♓15'13	
evening set	-10558 May 20 j 06:19	20°♓34'31	
max. Earth dist.	-10558 Jun 01 j 04:14	23°♓13'24	6.32658 AU
conjunction	-10558 Jun 02 j 07:07	23°♓28'22	0°29'43
minimum elong	-10558 Jun 02 j 07:04	23°♓28'21	0°29'35
morning rise	-10558 Jun 15 j 04:26	26°♓20'29	
	-10558 Jul 01 j 22:46	0°♈	
retrograde	-10558 Oct 13 j 19:55	13°♈38'45	
opposition	-10558 Dec 13 j 03:11	8°♈46'40	1°19'22
min. Earth dist.	-10558 Dec 13 j 23:15	8°♈40'13	4.33592 AU
direct	-10557 Feb 13 j 13:42	3°♈45'32	
evening set	-10557 Jun 21 j 01:01	21°♈52'52	
max. Earth dist.	-10557 Jul 02 j 11:00	24°♈25'50	6.33352 AU
conjunction	-10557 Jul 03 j 16:19	24°♈42'16	1°15'51
minimum elong	-10557 Jul 03 j 16:14	24°♈42'13	1°16'03
morning rise	-10557 Jul 16 j 04:58	27°♈30'25	
	-10557 Jul 27 j 12:10	0°♉	
retrograde	-10557 Nov 14 j 23:47	14°♉57'51	
opposition	-10556 Jan 14 j 23:01	10°♉06'03	2°13'25
min. Earth dist.	-10556 Jan 15 j 19:34	9°♉59'32	4.32266 AU
direct	-10556 Mar 17 j 07:53	5°♉07'59	
	-10556 Jun 12 j 20:31	15°♉	
evening set	-10556 Jul 21 j 06:01	23°♉11'25	
conjunction	-10556 Aug 02 j 15:13	25°♉59'20	1°39'59
minimum elong	-10556 Aug 02 j 15:11	25°♉59'19	1°40'27
max. Earth dist.	-10556 Aug 01 j 14:07	25°♉45'07	6.29979 AU
morning rise	-10556 Aug 14 j 23:37	28°♉46'55	
	-10556 Aug 20 j 09:57	0°♊	
retrograde	-10556 Dec 17 j 03:25	16°♊43'09	
opposition	-10555 Feb 16 j 14:24	11°♊49'41	2°28'47

Attention, astronomical year style is used: The year -10555 in astronomical counting style is the year 10556 BCE in historical counting style.

min. Earth dist.	-10555 Feb 17 j 04:01	11°♊45'21	4.27147 AU
direct	-10555 Apr 19 j 05:24	6°♊54'30	
evening set	-10555 Aug 21 j 13:54	25°♊01'51	
conjunction	-10555 Sep 02 j 23:45	27°♊52'30	1°34'31
minimum elong	-10555 Sep 02 j 23:48	27°♊52'32	1°35'06
max. Earth dist.	-10555 Sep 02 j 12:31	27°♊46'03	6.23503 AU
	-10555 Sep 12 j 05:50	0°♋	
morning rise	-10555 Sep 15 j 10:24	0°♋43'46	
retrograde	-10554 Jan 20 j 14:45	19°♋20'51	
opposition	-10554 Mar 23 j 03:38	14°♋24'18	1°58'21
min. Earth dist.	-10554 Mar 23 j 06:37	14°♋23'21	4.19724 AU
direct	-10554 May 22 j 15:40	9°♋31'04	
evening set	-10554 Sep 22 j 19:34	27°♋49'28	
	-10554 Oct 02 j 04:31	0°♌	
conjunction	-10554 Oct 05 j 12:14	0°♌46'24	0°59'05
minimum elong	-10554 Oct 05 j 12:19	0°♌46'27	0°59'38
max. Earth dist.	-10554 Oct 05 j 16:10	0°♌48'41	6.15832 AU
morning rise	-10554 Oct 18 j 07:47	3°♌44'55	
	-10554 Dec 10 j 00:31	15°♌	
retrograde	-10553 Feb 25 j 04:27	23°♌04'02	
opposition	-10553 Apr 27 j 09:58	18°♌03'38	0°47'41
min. Earth dist.	-10553 Apr 27 j 00:05	18°♌06'52	4.12316 AU
	-10553 May 22 j 18:23	15°℞♌	
direct	-10553 Jun 25 j 16:06	13°♌10'35	
	-10553 Jul 29 j 06:49	15°♌	
	-10553 Oct 18 j 23:30	0°♍	
evening set	-10553 Oct 26 j 14:36	1°♍46'05	
conjunction	-10553 Nov 08 j 17:32	4°♍50'19	0°03'01
minimum elong	-10553 Nov 08 j 17:33	4°♍50'20	0°03'19
behind sun begin	-10553 Nov 08 j 09:24	4°♍45'35	
behind sun end	-10553 Nov 09 j 01:41	4°♍55'05	
max. Earth dist.	-10553 Nov 09 j 15:27	5°♍03'10	6.09448 AU
morning rise	-10553 Nov 21 j 23:53	7°♍56'30	
desc. node	-10553 Nov 28 j 07:11	9°♍24'05	
retrograde	-10552 Apr 01 j 10:41	27°♍45'38	
opposition	-10552 May 31 j 23:27	22°♍42'01	-0°41'41
min. Earth dist.	-10552 May 31 j 05:20	22°♍48'05	4.07526 AU
direct	-10552 Jul 29 j 09:05	17°♍47'20	
	-10552 Oct 31 j 13:51	0°♎	
evening set	-10552 Nov 30 j 05:10	6°♎41'54	
conjunction	-10552 Dec 13 j 16:30	9°♎51'01	-0°55'11
minimum elong	-10552 Dec 13 j 16:25	9°♎50'57	0°55'14
max. Earth dist.	-10552 Dec 14 j 23:21	10°♎09'04	6.06654 AU
morning rise	-10552 Dec 27 j 07:12	13°♎01'49	
	-10551 Mar 24 j 17:00	0°♏	
retrograde	-10551 May 07 j 11:01	2°♏56'24	
	-10551 Jun 20 j 00:05	30°℞♎	
min. Earth dist.	-10551 Jul 05 j 08:39	27°♎58'41	4.07137 AU
opposition	-10551 Jul 06 j 06:01	27°♎51'24	-1°56'54
direct	-10551 Sep 02 j 09:56	22°♎53'39	
	-10551 Nov 10 j 13:14	0°♏	
evening set	-10550 Jan 06 j 02:15	12°♏01'29	
	-10550 Jan 18 j 22:29	15°♏	
conjunction	-10550 Jan 19 j 18:16	15°♏11'29	-1°33'26
minimum elong	-10550 Jan 19 j 18:11	15°♏11'26	1°33'48
max. Earth dist.	-10550 Jan 21 j 00:44	15°♏29'10	6.08599 AU
morning rise	-10550 Feb 02 j 11:47	18°♏22'12	
	-10550 Mar 29 j 01:24	0°♐	
retrograde	-10550 Jun 11 j 14:35	7°♐53'00	
opposition	-10550 Aug 09 j 18:23	2°♐49'06	-2°29'03
min. Earth dist.	-10550 Aug 09 j 02:53	2°♐54'24	4.11344 AU
	-10550 Aug 31 j 16:40	30°℞♏	

direct	-10550 Oct 07 j 12:17	27°♏48'00	
	-10550 Nov 13 j 14:54	0°♐	
evening set	-10549 Feb 12 j 00:34	16°♐55'08	
conjunction	-10549 Feb 25 j 17:32	20°♐02'50	-1°37'41
minimum elong	-10549 Feb 25 j 17:34	20°♐02'52	1°38'14
max. Earth dist.	-10549 Feb 26 j 11:58	20°♐13'23	6.14633 AU
morning rise	-10549 Mar 11 j 10:00	23°♐10'10	
	-10549 Apr 11 j 12:23	0°♑	
retrograde	-10549 Jul 15 j 07:10	11°♑56'23	
opposition	-10549 Sep 12 j 07:10	6°♑55'32	-2°08'34
min. Earth dist.	-10549 Sep 12 j 00:44	6°♑57'43	4.18600 AU
direct	-10549 Nov 11 j 02:05	1°♑51'59	
evening set	-10548 Mar 18 j 20:10	20°♑44'42	
conjunction	-10548 Apr 01 j 10:46	23°♑48'15	-1°08'26
minimum elong	-10548 Apr 01 j 10:52	23°♑48'18	1°09'00
max. Earth dist.	-10548 Apr 01 j 09:52	23°♑47'45	6.22545 AU
morning rise	-10548 Apr 14 j 23:12	26°♑50'32	
	-10548 Apr 29 j 05:59	0°♒	
retrograde	-10548 Aug 15 j 19:33	14°♒49'47	
opposition	-10548 Oct 13 j 23:47	9°♒52'46	-1°06'54
min. Earth dist.	-10548 Oct 14 j 06:11	9°♒50'37	4.26331 AU
direct	-10548 Dec 14 j 02:02	4°♒48'26	
	-10547 Mar 13 j 09:32	15°♒	
evening set	-10547 Apr 22 j 00:36	23°♒20'57	
conjunction	-10547 May 05 j 09:11	26°♒19'16	-0°18'02
minimum elong	-10547 May 05 j 09:13	26°♒19'17	0°18'24
max. Earth dist.	-10547 May 04 j 16:06	26°♒09'45	6.29572 AU
morning rise	-10547 May 18 j 14:15	29°♒15'47	
	-10547 May 21 j 22:14	0°♓	
asc. node	-10547 Sep 11 j 12:42	16°♓39'53	
retrograde	-10547 Sep 16 j 11:36	16°♓42'18	
opposition	-10547 Nov 15 j 05:40	11°♓48'32	0°13'24
min. Earth dist.	-10547 Nov 15 j 21:07	11°♓43'30	4.32059 AU
direct	-10546 Jan 16 j 06:37	6°♓45'18	
evening set	-10546 May 24 j 16:36	25°♓00'20	
max. Earth dist.	-10546 Jun 05 j 11:23	27°♓37'20	6.33570 AU
conjunction	-10546 Jun 06 j 15:51	27°♓53'11	0°36'54
minimum elong	-10546 Jun 06 j 15:48	27°♓53'09	0°36'50
	-10546 Jun 16 j 03:46	0°♈	
morning rise	-10546 Jun 19 j 11:48	0°♈44'20	
retrograde	-10546 Oct 18 j 04:04	18°♈00'42	
opposition	-10546 Dec 17 j 13:29	13°♈08'48	1°28'27
min. Earth dist.	-10546 Dec 18 j 11:23	13°♈01'47	4.34110 AU
direct	-10545 Feb 18 j 02:25	8°♈07'58	
evening set	-10545 Jun 25 j 06:57	26°♈12'58	
conjunction	-10545 Jul 07 j 21:07	29°♈01'50	1°20'37
minimum elong	-10545 Jul 07 j 21:02	29°♈01'47	1°20'51
max. Earth dist.	-10545 Jul 06 j 14:23	28°♈44'36	6.33401 AU
	-10545 Jul 12 j 04:55	0°♉	
morning rise	-10545 Jul 20 j 08:54	1°♉49'34	
	-10545 Sep 25 j 20:21	15°♉	
retrograde	-10545 Nov 19 j 08:50	19°♉19'10	
	-10544 Jan 15 j 03:04	15°℞♉	
opposition	-10544 Jan 19 j 10:38	14°♉27'13	2°17'58
min. Earth dist.	-10544 Jan 20 j 06:52	14°♉20'48	4.31864 AU
direct	-10544 Mar 21 j 17:24	9°♉29'28	
	-10544 May 23 j 21:17	15°♉	
evening set	-10544 Jul 25 j 10:55	27°♉33'02	
	-10544 Aug 05 j 06:42	0°♊	
conjunction	-10544 Aug 06 j 19:53	0°♊21'07	1°41'02
minimum elong	-10544 Aug 06 j 19:52	0°♊21'06	1°41'32

Attention, astronomical year style is used: The year -10544 in astronomical counting style is the year 10545 BCE in historical counting style.

max. Earth dist.	-10544 Aug 05 j 20:15	0°♊07'42	6.29148 AU
morning rise	-10544 Aug 19 j 04:03	3°♊08'57	
retrograde	-10544 Dec 21 j 18:29	21°♊10'50	
opposition	-10543 Feb 21 j 05:22	16°♊17'06	2°27'22
min. Earth dist.	-10543 Feb 21 j 19:10	16°♊12'44	4.25941 AU
direct	-10543 Apr 23 j 17:30	11°♊22'14	
evening set	-10543 Aug 25 j 21:41	29°♊32'02	
	-10543 Aug 27 j 22:32	0°♋	
conjunction	-10543 Sep 07 j 08:04	2°♋23'34	1°31'20
minimum elong	-10543 Sep 07 j 08:08	2°♋23'36	1°31'55
max. Earth dist.	-10543 Sep 06 j 20:41	2°♋17'00	6.22024 AU
morning rise	-10543 Sep 19 j 19:51	5°♋15'54	
retrograde	-10542 Jan 25 j 10:33	24°♋00'48	
opposition	-10542 Mar 27 j 22:46	19°♋03'44	1°50'44
min. Earth dist.	-10542 Mar 27 j 23:47	19°♋03'24	4.18078 AU
direct	-10542 May 27 j 05:15	14°♋10'36	
	-10542 Sep 16 j 06:18	0°♌	
evening set	-10542 Sep 27 j 09:16	2°♌33'19	
conjunction	-10542 Oct 10 j 03:33	5°♌31'38	0°52'12
minimum elong	-10542 Oct 10 j 03:37	5°♌31'41	0°52'43
max. Earth dist.	-10542 Oct 10 j 11:04	5°♌36'02	6.14194 AU
morning rise	-10542 Oct 23 j 00:33	8°♌31'34	
	-10542 Nov 20 j 20:19	15°♌	
retrograde	-10541 Mar 02 j 07:23	27°♌58'21	
opposition	-10541 May 02 j 09:19	22°♌57'29	0°35'39
min. Earth dist.	-10541 May 01 j 22:40	23°♌00'59	4.10823 AU
direct	-10541 Jun 30 j 11:50	18°♌04'22	
	-10541 Oct 01 j 16:18	0°♍	
desc. node	-10541 Oct 07 j 12:41	1°♍16'30	
evening set	-10541 Oct 31 j 12:32	6°♍44'46	
conjunction	-10541 Nov 13 j 16:47	9°♍50'11	-0°05'42
minimum elong	-10541 Nov 13 j 16:47	9°♍50'11	0°05'25
behind sun begin	-10541 Nov 13 j 08:52	9°♍45'33	
behind sun end	-10541 Nov 14 j 00:42	9°♍54'49	
max. Earth dist.	-10541 Nov 14 j 15:54	10°♍03'45	6.08239 AU
morning rise	-10541 Nov 27 j 00:51	12°♍57'36	
	-10540 Feb 23 j 03:04	0°♎	
retrograde	-10540 Apr 06 j 13:50	2°♎51'16	
	-10540 May 19 j 23:10	30°℞♍	
min. Earth dist.	-10540 Jun 05 j 04:12	27°♍54'07	4.06739 AU
opposition	-10540 Jun 06 j 00:32	27°♍47'17	-0°54'02
direct	-10540 Aug 03 j 07:05	22°♍52'15	
	-10540 Oct 11 j 06:10	0°♎	
evening set	-10540 Dec 05 j 10:13	11°♎50'41	
conjunction	-10540 Dec 18 j 22:38	15°♎00'20	-1°02'18
minimum elong	-10540 Dec 18 j 22:33	15°♎00'17	1°02'24
max. Earth dist.	-10540 Dec 20 j 07:52	15°♎19'48	6.06348 AU
morning rise	-10539 Jan 01 j 13:58	18°♎11'31	
	-10539 Feb 25 j 13:21	0°♏	
retrograde	-10539 May 12 j 14:50	8°♏05'18	
min. Earth dist.	-10539 Jul 10 j 09:27	3°♏07'18	4.07339 AU
opposition	-10539 Jul 11 j 06:08	3°♏00'14	-2°04'36
	-10539 Aug 03 j 23:27	30°℞♎	
direct	-10539 Sep 07 j 11:40	28°♎01'58	
	-10539 Oct 12 j 02:08	0°♏	
	-10538 Jan 01 j 21:20	15°♏	
evening set	-10538 Jan 11 j 09:55	17°♏10'46	
conjunction	-10538 Jan 25 j 02:15	20°♏20'36	-1°36'15
minimum elong	-10538 Jan 25 j 02:12	20°♏20'34	1°36'40
max. Earth dist.	-10538 Jan 26 j 08:41	20°♏38'13	6.09248 AU
morning rise	-10538 Feb 07 j 19:53	23°♏30'59	
	-10538 Mar 08 j 21:06	0°♐	
retrograde	-10538 Jun 16 j 11:30	12°♐55'58	
opposition	-10538 Aug 14 j 15:03	7°♐52'21	-2°29'14
min. Earth dist.	-10538 Aug 13 j 23:32	7°♐57'40	4.12352 AU
direct	-10538 Oct 12 j 10:48	2°♐50'48	
evening set	-10537 Feb 17 j 05:16	21°♐55'57	
conjunction	-10537 Mar 02 j 21:58	25°♐03'02	-1°35'21
minimum elong	-10537 Mar 02 j 22:01	25°♐03'04	1°35'55
max. Earth dist.	-10537 Mar 03 j 13:11	25°♐11'43	6.15874 AU
morning rise	-10537 Mar 16 j 14:06	28°♐09'38	
	-10537 Mar 24 j 18:18	0°♑	
retrograde	-10537 Jul 20 j 00:11	16°♑48'17	
opposition	-10537 Sep 17 j 00:06	11°♑47'56	-2°01'48
min. Earth dist.	-10537 Sep 16 j 20:11	11°♑49'15	4.19908 AU
direct	-10537 Nov 16 j 00:46	6°♑44'09	
evening set	-10536 Mar 23 j 18:53	25°♑33'24	
conjunction	-10536 Apr 06 j 09:00	28°♑36'12	-1°02'12
minimum elong	-10536 Apr 06 j 09:05	28°♑36'15	1°02'44
max. Earth dist.	-10536 Apr 06 j 06:37	28°♑34'52	6.23822 AU
	-10536 Apr 12 j 14:07	0°♒	
morning rise	-10536 Apr 19 j 20:25	1°♒37'35	
	-10536 Jun 26 j 16:05	15°♒	
retrograde	-10536 Aug 20 j 06:54	19°♒30'32	
	-10536 Oct 15 j 07:31	15°℞♒	
opposition	-10536 Oct 18 j 13:38	14°♒34'04	-0°56'05
min. Earth dist.	-10536 Oct 18 j 20:51	14°♒31'40	4.27456 AU
direct	-10536 Dec 18 j 18:58	9°♒29'50	
	-10535 Feb 19 j 22:14	15°♒	
evening set	-10535 Apr 26 j 17:29	27°♒59'11	
	-10535 May 05 j 19:08	0°♓	
max. Earth dist.	-10535 May 09 j 04:15	0°♓45'13	6.30465 AU
conjunction	-10535 May 10 j 00:45	0°♓56'37	-0°10'10
minimum elong	-10535 May 10 j 00:46	0°♓56'38	0°10'31
behind sun begin	-10535 May 09 j 18:26	0°♓53'07	
behind sun end	-10535 May 10 j 07:05	1°♓00'09	
morning rise	-10535 May 23 j 04:43	3°♓52'19	
asc. node	-10535 Jul 21 j 17:23	15°♓46'11	
retrograde	-10535 Sep 20 j 23:41	21°♓15'45	
opposition	-10535 Nov 19 j 18:54	16°♓22'24	0°24'50
min. Earth dist.	-10535 Nov 20 j 12:38	16°♓16'37	4.32652 AU
direct	-10534 Jan 20 j 23:35	11°♓19'25	
evening set	-10534 May 29 j 04:41	29°♓32'27	
	-10534 May 31 j 06:29	0°♈	
max. Earth dist.	-10534 Jun 09 j 21:51	2°♈08'34	6.33808 AU
conjunction	-10534 Jun 11 j 02:43	2°♈24'39	0°44'04
minimum elong	-10534 Jun 11 j 02:39	2°♈24'36	0°44'03
morning rise	-10534 Jun 23 j 21:18	5°♈15'10	
retrograde	-10534 Oct 22 j 15:09	22°♈32'12	
opposition	-10534 Dec 22 j 03:51	17°♈40'25	1°37'23
min. Earth dist.	-10534 Dec 23 j 01:13	17°♈33'35	4.34003 AU
direct	-10533 Feb 22 j 15:45	12°♈40'02	
	-10533 Jun 26 j 08:39	0°♉	
evening set	-10533 Jun 29 j 17:03	0°♉44'37	
max. Earth dist.	-10533 Jul 10 j 23:38	3°♉16'04	6.32947 AU
conjunction	-10533 Jul 12 j 06:05	3°♉33'10	1°25'08
minimum elong	-10533 Jul 12 j 06:00	3°♉33'07	1°25'24
morning rise	-10533 Jul 24 j 17:02	6°♉20'43	
	-10533 Sep 03 j 17:13	15°♉	
retrograde	-10533 Nov 24 j 01:39	23°♉54'14	
opposition	-10532 Jan 24 j 04:01	19°♉02'14	2°21'58
min. Earth dist.	-10532 Jan 25 j 00:40	18°♉55'41	4.31105 AU
	-10532 Mar 01 j 14:16	15°℞♉	
direct	-10532 Mar 26 j 09:34	14°♉04'56	

Attention, astronomical year style is used: The year -10532 in astronomical counting style is the year 10533 BCE in historical counting style.

	-10532 Apr 20	j 02:44	15°♉	
	-10532 Jul 20	j 06:03	0°♊	
evening set	-10532 Jul 29	j 21:18	2°♊09'28	
max. Earth dist.	-10532 Aug 10	j 07:02	4°♊44'45	6.28141 AU
conjunction	-10532 Aug 11	j 06:03	4°♊57'51	1°41'34
minimum elong	-10532 Aug 11	j 06:03	4°♊57'50	1°42'04
morning rise	-10532 Aug 23	j 14:24	7°♊46'08	
retrograde	-10532 Dec 26	j 14:26	25°♊54'11	
opposition	-10531 Feb 26	j 02:27	21°♊00'03	2°24'57
min. Earth dist.	-10531 Feb 26	j 13:41	20°♊56'29	4.24778 AU
direct	-10531 Apr 28	j 09:28	16°♊05'34	
	-10531 Aug 11	j 09:31	0°♋	
evening set	-10531 Aug 30	j 10:50	4°♋17'15	
conjunction	-10531 Sep 11	j 22:07	7°♋09'39	1°27'25
minimum elong	-10531 Sep 11	j 22:11	7°♋09'41	1°28'00
max. Earth dist.	-10531 Sep 11	j 14:26	7°♋05'12	6.20834 AU
morning rise	-10531 Sep 24	j 10:48	10°♋02'56	
retrograde	-10530 Jan 30	j 12:53	28°♋54'21	
opposition	-10530 Apr 01	j 23:23	23°♋56'48	1°42'00
min. Earth dist.	-10530 Apr 01	j 23:09	23°♋56'52	4.16956 AU
direct	-10530 Jun 01	j 02:28	19°♋03'51	
	-10530 Aug 29	j 14:33	0°♌	
evening set	-10530 Oct 02	j 03:30	7°♌28'39	
conjunction	-10530 Oct 14	j 23:01	10°♌27'58	0°44'44
minimum elong	-10530 Oct 14	j 23:05	10°♌28'01	0°45'13
max. Earth dist.	-10530 Oct 15	j 08:27	10°♌33'29	6.13269 AU
morning rise	-10530 Oct 27	j 21:43	13°♌29'01	
	-10530 Nov 03	j 11:21	15°♌	
	-10529 Jan 21	j 09:00	0°♍	
retrograde	-10529 Mar 07	j 09:14	3°♍00'14	
	-10529 Apr 21	j 15:49	30°℞♌	
opposition	-10529 May 07	j 10:54	27°♌58'49	0°23'05
min. Earth dist.	-10529 May 06	j 21:19	28°♌03'17	4.10196 AU
direct	-10529 Jul 05	j 09:22	23°♌05'33	
desc. node	-10529 Aug 16	j 21:09	25°♌58'29	
	-10529 Sep 11	j 10:59	0°♍	
evening set	-10529 Nov 05	j 12:21	11°♍47'42	
conjunction	-10529 Nov 18	j 17:59	14°♍53'48	-0°14'16
minimum elong	-10529 Nov 18	j 17:58	14°♍53'47	0°14'03
behind sun begin	-10529 Nov 18	j 13:53	14°♍51'24	
behind sun end	-10529 Nov 18	j 22:02	14°♍56'10	
max. Earth dist.	-10529 Nov 19	j 20:07	15°♍09'09	6.07968 AU
morning rise	-10529 Dec 02	j 03:08	18°♍01'50	
	-10528 Jan 26	j 22:36	0°♎	
retrograde	-10528 Apr 11	j 17:18	7°♎56'00	
min. Earth dist.	-10528 Jun 10	j 04:34	2°♎58'29	4.06853 AU
opposition	-10528 Jun 11	j 00:46	2°♎51'40	-1°05'51
	-10528 Jul 03	j 18:24	30°℞♍	
direct	-10528 Aug 08	j 07:36	27°♍56'12	
	-10528 Sep 12	j 16:31	0°♎	
evening set	-10528 Dec 10	j 13:48	16°♎55'16	
conjunction	-10528 Dec 24	j 02:54	20°♎04'59	-1°08'49
minimum elong	-10528 Dec 24	j 02:48	20°♎04'55	1°08'58
max. Earth dist.	-10528 Dec 25	j 12:39	20°♎24'42	6.06808 AU
morning rise	-10527 Jan 06	j 18:49	23°♎16'07	
	-10527 Feb 05	j 17:19	0°♏	
retrograde	-10527 May 17	j 12:23	13°♏06'02	
min. Earth dist.	-10527 Jul 15	j 05:52	8°♏08'07	4.08122 AU
opposition	-10527 Jul 16	j 02:43	8°♏00'59	-2°11'05
direct	-10527 Sep 12	j 08:40	3°♏02'14	
	-10527 Dec 15	j 07:38	15°♏	
evening set	-10526 Jan 16	j 13:34	22°♏10'09	
conjunction	-10526 Jan 30	j 05:58	25°♏19'32	-1°38'16
minimum elong	-10526 Jan 30	j 05:55	25°♏19'31	1°38'44
max. Earth dist.	-10526 Jan 31	j 09:30	25°♏35'27	6.10245 AU
morning rise	-10526 Feb 12	j 23:33	28°♏29'23	
	-10526 Feb 19	j 14:26	0°♐	
retrograde	-10526 Jun 21	j 04:43	17°♐47'47	
opposition	-10526 Aug 19	j 07:27	12°♐44'30	-2°28'21
min. Earth dist.	-10526 Aug 18	j 18:16	12°♐49'01	4.13456 AU
direct	-10526 Oct 17	j 07:54	7°♐42'30	
evening set	-10525 Feb 22	j 05:17	26°♐45'32	
conjunction	-10525 Mar 07	j 21:59	29°♐52'06	-1°32'27
minimum elong	-10525 Mar 07	j 22:03	29°♐52'08	1°33'03
max. Earth dist.	-10525 Mar 08	j 11:30	29°♐59'48	6.16998 AU
	-10525 Mar 08	j 11:52	0°♑	
morning rise	-10525 Mar 21	j 13:29	2°♑57'59	
retrograde	-10525 Jul 24	j 12:48	21°♑29'52	
opposition	-10525 Sep 21	j 13:02	16°♑30'06	-1°54'31
min. Earth dist.	-10525 Sep 21	j 10:37	16°♑30'55	4.20943 AU
direct	-10525 Nov 20	j 17:03	11°♑26'08	
	-10524 Mar 27	j 14:28	0°♒	
evening set	-10524 Mar 28	j 14:03	0°♒13'08	
conjunction	-10524 Apr 11	j 03:20	3°♒15'18	-0°55'45
minimum elong	-10524 Apr 11	j 03:25	3°♒15'21	0°56'16
max. Earth dist.	-10524 Apr 10	j 20:18	3°♒11'21	6.24686 AU
morning rise	-10524 Apr 24	j 14:07	6°♒16'04	
	-10524 Jun 04	j 21:15	15°♒	
retrograde	-10524 Aug 24	j 18:18	24°♒04'36	
opposition	-10524 Oct 23	j 01:31	19°♒08'38	-0°45'13
min. Earth dist.	-10524 Oct 23	j 11:20	19°♒05'22	4.28077 AU
	-10524 Nov 28	j 23:47	15°℞♒	
direct	-10524 Dec 23	j 11:13	14°♒04'25	
	-10523 Jan 17	j 03:51	15°♒	
	-10523 Apr 19	j 17:53	0°♓	
evening set	-10523 May 01	j 08:03	2°♓32'18	
conjunction	-10523 May 14	j 14:22	5°♓29'12	-0°02'24
minimum elong	-10523 May 14	j 14:22	5°♓29'12	0°02'42
behind sun begin	-10523 May 14	j 06:15	5°♓24'42	
behind sun end	-10523 May 14	j 22:30	5°♓33'42	
max. Earth dist.	-10523 May 13	j 17:17	5°♓17'28	6.30810 AU
morning rise	-10523 May 27	j 17:00	8°♓24'15	
asc. node	-10523 May 31	j 08:40	9°♓12'40	
retrograde	-10523 Sep 25	j 09:49	25°♓46'38	
opposition	-10523 Nov 24	j 07:29	20°♓53'38	0°35'58
min. Earth dist.	-10523 Nov 25	j 01:23	20°♓47'50	4.32717 AU
direct	-10522 Jan 25	j 12:41	15°♓51'00	
	-10522 May 14	j 23:56	0°♈	
evening set	-10522 Jun 02	j 16:47	4°♈03'46	
max. Earth dist.	-10522 Jun 14	j 06:51	6°♈38'25	6.33581 AU
conjunction	-10522 Jun 15	j 13:21	6°♈55'26	0°50'56
minimum elong	-10522 Jun 15	j 13:17	6°♈55'24	0°50'56
morning rise	-10522 Jun 28	j 06:54	9°♈45'35	
retrograde	-10522 Oct 27	j 05:57	27°♈04'48	
opposition	-10522 Dec 26	j 19:15	22°♈13'07	1°45'46
min. Earth dist.	-10522 Dec 27	j 17:31	22°♈06'01	4.33528 AU
direct	-10521 Feb 27	j 07:27	17°♈13'09	
	-10521 Jun 09	j 17:47	0°♉	
evening set	-10521 Jul 04	j 03:53	5°♉18'19	
max. Earth dist.	-10521 Jul 15	j 11:19	7°♉50'32	6.32249 AU
conjunction	-10521 Jul 16	j 16:10	8°♉06'46	1°29'08
minimum elong	-10521 Jul 16	j 16:05	8°♉06'43	1°29'27
morning rise	-10521 Jul 29	j 02:21	10°♉54'16	
	-10521 Aug 16	j 17:32	15°♉	

Attention, astronomical year style is used: The year -10521 in astronomical counting style is the year 10522 BCE in historical counting style.

retrograde	-10521 Nov 28 j 18:16	28°♉32'24	
opposition	-10520 Jan 28 j 22:59	23°♉40'11	2°25'07
min. Earth dist.	-10520 Jan 29 j 17:19	23°♉34'23	4.30262 AU
direct	-10520 Mar 31 j 00:44	18°♉43'24	
	-10520 Jul 03 j 01:53	0°♊	
evening set	-10520 Aug 03 j 08:53	6°♊48'49	
conjunction	-10520 Aug 15 j 17:30	9°♊37'30	1°41'26
minimum elong	-10520 Aug 15 j 17:30	9°♊37'30	1°41'57
max. Earth dist.	-10520 Aug 14 j 21:01	9°♊25'49	6.27214 AU
morning rise	-10520 Aug 28 j 02:01	12°♊26'15	
	-10520 Dec 10 j 15:04	0°♋	
retrograde	-10520 Dec 31 j 13:20	0°♋40'00	
	-10519 Jan 21 j 10:15	30°℞♊	
opposition	-10519 Mar 03 j 00:57	25°♊45'27	2°21'31
min. Earth dist.	-10519 Mar 03 j 11:09	25°♊42'12	4.23815 AU
direct	-10519 May 03 j 05:12	20°♊51'17	
	-10519 Jul 24 j 03:52	0°♋	
evening set	-10519 Sep 04 j 00:54	9°♋03'57	
conjunction	-10519 Sep 16 j 13:01	11°♋57'07	1°22'53
minimum elong	-10519 Sep 16 j 13:06	11°♋57'09	1°23'28
max. Earth dist.	-10519 Sep 16 j 07:39	11°♋54'00	6.19918 AU
morning rise	-10519 Sep 29 j 02:55	14°♋51'19	
	-10519 Dec 15 j 06:46	0°♌	
retrograde	-10518 Feb 04 j 12:15	3°♌47'56	
	-10518 Mar 28 j 20:15	30°℞♋	
opposition	-10518 Apr 06 j 23:35	28°♋49'49	1°32'31
min. Earth dist.	-10518 Apr 06 j 20:21	28°♋50'51	4.16143 AU
direct	-10518 Jun 05 j 21:54	23°♋56'58	
	-10518 Aug 08 j 21:57	0°♌	
evening set	-10518 Oct 06 j 21:46	12°♌23'04	
	-10518 Oct 18 j 02:52	15°♌	
conjunction	-10518 Oct 19 j 18:42	15°♌23'18	0°36'58
minimum elong	-10518 Oct 19 j 18:46	15°♌23'20	0°37'25
max. Earth dist.	-10518 Oct 20 j 07:15	15°♌30'38	6.12628 AU
morning rise	-10518 Nov 01 j 18:49	18°♌25'18	
	-10518 Dec 25 j 21:32	0°♍	
retrograde	-10517 Mar 12 j 12:36	7°♍59'58	
opposition	-10517 May 12 j 11:31	2°♍58'04	0°10'23
min. Earth dist.	-10517 May 11 j 21:23	3°♍02'44	4.09758 AU
	-10517 Jun 05 j 16:25	30°℞♌	
desc. node	-10517 Jun 26 j 22:13	28°♌22'44	
direct	-10517 Jul 10 j 08:21	28°♌04'36	
	-10517 Aug 13 j 15:41	0°♍	
evening set	-10517 Nov 10 j 11:35	16°♍48'19	
conjunction	-10517 Nov 23 j 18:25	19°♍55'01	-0°22'42
minimum elong	-10517 Nov 23 j 18:23	19°♍55'00	0°22'32
max. Earth dist.	-10517 Nov 24 j 22:07	20°♍11'16	6.07776 AU
morning rise	-10517 Dec 07 j 04:49	23°♍03'39	
	-10516 Jan 07 j 00:16	0°♎	
retrograde	-10516 Apr 16 j 18:17	12°♎58'08	
opposition	-10516 Jun 15 j 23:37	7°♎53'37	-1°17'07
min. Earth dist.	-10516 Jun 15 j 02:30	8°♎00'44	4.06953 AU
direct	-10516 Aug 13 j 04:21	2°♎57'47	
evening set	-10516 Dec 15 j 17:03	21°♎58'07	
conjunction	-10516 Dec 29 j 06:43	25°♎07'54	-1°14'49
minimum elong	-10516 Dec 29 j 06:37	25°♎07'50	1°15'00
max. Earth dist.	-10516 Dec 30 j 15:08	25°♎26'49	6.07169 AU
morning rise	-10515 Jan 11 j 23:08	28°♎19'00	
	-10515 Jan 19 j 06:32	0°♏	
	-10515 Apr 07 j 14:42	15°♏	
retrograde	-10515 May 22 j 09:50	18°♏05'42	
	-10515 Jul 05 j 23:58	15°℞♏	

opposition	-10515 Jul 20 j 22:30	13°♏00'46	-2°16'39
min. Earth dist.	-10515 Jul 20 j 02:53	13°♏07'28	4.08721 AU
direct	-10515 Sep 17 j 06:42	8°♏01'30	
	-10515 Nov 25 j 00:52	15°♏	
evening set	-10514 Jan 21 j 17:06	27°♏09'29	
	-10514 Feb 03 j 01:34	0°♐	
conjunction	-10514 Feb 04 j 09:53	0°♐18'38	-1°39'37
minimum elong	-10514 Feb 04 j 09:52	0°♐18'37	1°40'05
max. Earth dist.	-10514 Feb 05 j 12:52	0°♐34'12	6.11034 AU
morning rise	-10514 Feb 18 j 03:15	3°♐28'02	
retrograde	-10514 Jun 25 j 22:57	22°♐40'38	
opposition	-10514 Aug 24 j 00:02	17°♐37'49	-2°26'28
min. Earth dist.	-10514 Aug 23 j 12:14	17°♐41'51	4.14362 AU
direct	-10514 Oct 22 j 03:31	12°♐35'29	
	-10513 Feb 20 j 00:46	0°♑	
evening set	-10513 Feb 27 j 05:49	1°♑37'07	
conjunction	-10513 Mar 12 j 22:10	4°♑43'12	-1°28'54
minimum elong	-10513 Mar 12 j 22:15	4°♑43'14	1°29'30
max. Earth dist.	-10513 Mar 13 j 07:26	4°♑48'27	6.17940 AU
morning rise	-10513 Mar 26 j 13:25	7°♑48'32	
retrograde	-10513 Jul 29 j 02:36	26°♑14'28	
opposition	-10513 Sep 26 j 03:13	21°♑15'12	-1°46'27
min. Earth dist.	-10513 Sep 26 j 02:49	21°♑15'20	4.21825 AU
direct	-10513 Nov 25 j 11:45	16°♑11'03	
	-10512 Mar 10 j 18:22	0°♒	
evening set	-10512 Apr 02 j 09:52	4°♒56'07	
conjunction	-10512 Apr 15 j 22:36	7°♒57'44	-0°48'52
minimum elong	-10512 Apr 15 j 22:40	7°♒57'46	0°49'22
max. Earth dist.	-10512 Apr 15 j 14:19	7°♒53'05	6.25468 AU
morning rise	-10512 Apr 29 j 08:20	10°♒57'47	
	-10512 May 17 j 18:29	15°♒	
retrograde	-10512 Aug 29 j 06:17	28°♒42'12	
opposition	-10512 Oct 27 j 14:37	23°♒46'45	-0°33'56
min. Earth dist.	-10512 Oct 28 j 01:29	23°♒43'09	4.28688 AU
direct	-10512 Dec 28 j 02:49	18°♒42'42	
	-10511 Apr 02 j 08:33	0°♓	
asc. node	-10511 Apr 09 j 08:35	1°♓25'29	
evening set	-10511 May 05 j 23:42	7°♓08'56	
max. Earth dist.	-10511 May 18 j 04:44	9°♓51'49	6.31208 AU
conjunction	-10511 May 19 j 04:42	10°♓05'10	0°05'38
minimum elong	-10511 May 19 j 04:40	10°♓05'09	0°05'23
behind sun begin	-10511 May 18 j 20:50	10°♓00'48	
behind sun end	-10511 May 19 j 12:30	10°♓09'30	
morning rise	-10511 Jun 01 j 06:16	12°♓59'35	
	-10511 Sep 15 j 06:35	0°♈	
retrograde	-10511 Sep 29 j 22:30	0°♈20'48	
	-10511 Oct 14 j 13:40	30°℞♓	
opposition	-10511 Nov 28 j 21:32	25°♓28'03	0°47'03
min. Earth dist.	-10511 Nov 29 j 16:34	25°♓21'53	4.32898 AU
direct	-10510 Jan 30 j 04:34	20°♓25'43	
	-10510 Apr 27 j 00:36	0°♈	
evening set	-10510 Jun 07 j 05:00	8°♈37'28	
max. Earth dist.	-10510 Jun 18 j 19:21	11°♈12'22	6.33540 AU
conjunction	-10510 Jun 20 j 00:26	11°♈28'36	0°57'34
minimum elong	-10510 Jun 20 j 00:21	11°♈28'34	0°57'37
morning rise	-10510 Jul 02 j 16:37	14°♈18'13	
	-10510 Sep 29 j 00:32	0°♉	
retrograde	-10510 Oct 31 j 18:57	1°♉39'03	
	-10510 Dec 03 j 20:22	30°℞♈	
opposition	-10510 Dec 31 j 11:20	26°♈47'24	1°53'33
min. Earth dist.	-10509 Jan 01 j 08:22	26°♈40'42	4.33299 AU
direct	-10509 Mar 03 j 22:12	21°♈47'56	

Attention, astronomical year style is used: The year -10509 in astronomical counting style is the year 10510 BCE in historical counting style.

	-10509 May 22 j 02:42	0°♉		
evening set	-10509 Jul 08 j 14:37	9°♉52'28		
max. Earth dist.	-10509 Jul 19 j 21:13	12°♉24'30	6.31839 AU	
conjunction	-10509 Jul 21 j 01:50	12°♉40'37	1°32'37	
minimum elong	-10509 Jul 21 j 01:46	12°♉40'35	1°32'58	
	-10509 Jul 31 j 09:30	15°♉		
morning rise	-10509 Aug 02 j 11:28	15°♉28'01		
	-10509 Oct 18 j 03:01	0°♊		
retrograde	-10509 Dec 03 j 12:03	3°♊09'47		
	-10508 Jan 19 j 21:43	30°℞♉		
opposition	-10508 Feb 02 j 17:42	28°♉17'16	2°27'20	
min. Earth dist.	-10508 Feb 03 j 11:30	28°♉11'38	4.29703 AU	
direct	-10508 Apr 04 j 18:13	23°♉20'51		
	-10508 Jun 13 j 08:34	0°♊		
evening set	-10508 Aug 07 j 19:26	11°♊26'01		
max. Earth dist.	-10508 Aug 19 j 10:18	14°♊04'47	6.26552 AU	
conjunction	-10508 Aug 20 j 04:11	14°♊15'00	1°40'39	
minimum elong	-10508 Aug 20 j 04:12	14°♊15'00	1°41'12	
morning rise	-10508 Sep 01 j 12:56	17°♊04'08		
	-10508 Nov 04 j 13:28	0°♋		
retrograde	-10507 Jan 05 j 08:02	5°♋22'26		
opposition	-10507 Mar 07 j 21:42	0°♋27'24	2°17'10	
min. Earth dist.	-10507 Mar 08 j 05:19	0°♋24'59	4.23092 AU	
	-10507 Mar 11 j 11:55	30°℞♊		
direct	-10507 May 07 j 21:51	25°♊33'31		
	-10507 Jul 01 j 21:34	0°♋		
evening set	-10507 Sep 08 j 13:26	13°♋46'26		
conjunction	-10507 Sep 21 j 02:25	16°♋40'17	1°17'51	
minimum elong	-10507 Sep 21 j 02:30	16°♋40'20	1°18'26	
max. Earth dist.	-10507 Sep 20 j 23:18	16°♋38'29	6.19193 AU	
morning rise	-10507 Oct 03 j 17:27	19°♋35'19		
	-10507 Nov 21 j 07:22	0°♌		
retrograde	-10506 Feb 09 j 11:48	8°♌36'30		
opposition	-10506 Apr 11 j 21:48	3°♌37'48	1°22'30	
min. Earth dist.	-10506 Apr 11 j 17:35	3°♌39'10	4.15433 AU	
	-10506 May 13 j 14:47	30°℞♋		
direct	-10506 Jun 10 j 17:33	28°♋44'54		
	-10506 Jul 08 j 14:29	0°♌		
	-10506 Oct 02 j 01:12	15°♌		
evening set	-10506 Oct 11 j 14:18	17°♌12'08		
conjunction	-10506 Oct 24 j 12:37	20°♌13'14	0°29'04	
minimum elong	-10506 Oct 24 j 12:40	20°♌13'15	0°29'30	
max. Earth dist.	-10506 Oct 25 j 03:22	20°♌21'51	6.12011 AU	
morning rise	-10506 Nov 06 j 14:12	23°♌16'09		
	-10506 Dec 06 j 13:08	0°♍		
retrograde	-10505 Mar 17 j 12:22	12°♍53'57		
desc. node	-10505 May 07 j 22:10	9°♍06'08		
opposition	-10505 May 17 j 09:29	7°♍51'38	-0°02'10	
min. Earth dist.	-10505 May 16 j 17:59	7°♍56'46	4.09291 AU	
direct	-10505 Jul 15 j 02:40	2°♍57'56		
evening set	-10505 Nov 15 j 09:34	21°♍43'42		
conjunction	-10505 Nov 28 j 17:27	24°♍50'59	-0°30'50	
minimum elong	-10505 Nov 28 j 17:24	24°♍50'57	0°30'44	
max. Earth dist.	-10505 Nov 29 j 21:00	25°♍07'09	6.07485 AU	
morning rise	-10505 Dec 12 j 04:59	28°♍00'11		
	-10505 Dec 20 j 20:18	0°♎		
retrograde	-10504 Apr 21 j 16:52	17°♎55'21		
opposition	-10504 Jun 20 j 20:16	12°♎50'36	-1°27'39	
min. Earth dist.	-10504 Jun 19 j 23:23	12°♎57'41	4.06870 AU	
direct	-10504 Aug 18 j 00:49	7°♎54'18		
evening set	-10504 Dec 20 j 19:06	26°♎56'50		
	-10503 Jan 02 j 21:52	0°♏		

conjunction	-10503 Jan 03 j 09:35	0°♏06'50	-1°20'10	
minimum elong	-10503 Jan 03 j 09:29	0°♏06'47	1°20'25	
max. Earth dist.	-10503 Jan 04 j 18:39	0°♏26'07	6.07300 AU	
morning rise	-10503 Jan 17 j 02:18	3°♏18'00		
	-10503 Mar 12 j 17:51	15°♏		
retrograde	-10503 May 27 j 07:42	23°♏02'12		
opposition	-10503 Jul 25 j 17:18	17°♏57'30	-2°21'11	
min. Earth dist.	-10503 Jul 24 j 22:48	18°♏03'50	4.09075 AU	
	-10503 Aug 17 j 22:28	15°℞♏		
direct	-10503 Sep 22 j 02:50	12°♏57'50		
	-10503 Oct 27 j 13:03	15°♏		
	-10502 Jan 17 j 13:18	0°♐		
evening set	-10502 Jan 26 j 20:21	2°♐06'48		
conjunction	-10502 Feb 09 j 13:09	5°♐15'47	-1°40'12	
minimum elong	-10502 Feb 09 j 13:09	5°♐15'46	1°40'42	
max. Earth dist.	-10502 Feb 10 j 12:43	5°♐29'21	6.11563 AU	
morning rise	-10502 Feb 23 j 06:37	8°♐24'55		
retrograde	-10502 Jun 30 j 15:51	27°♐32'42		
opposition	-10502 Aug 28 j 16:31	22°♐30'19	-2°23'34	
min. Earth dist.	-10502 Aug 28 j 05:53	22°♐33'57	4.15027 AU	
direct	-10502 Oct 26 j 23:23	17°♐27'38		
	-10501 Feb 02 j 15:53	0°♑		
evening set	-10501 Mar 04 j 06:39	6°♑28'42		
conjunction	-10501 Mar 17 j 22:53	9°♑34'25	-1°24'43	
minimum elong	-10501 Mar 17 j 22:58	9°♑34'28	1°25'18	
max. Earth dist.	-10501 Mar 18 j 06:41	9°♑38'51	6.18721 AU	
morning rise	-10501 Mar 31 j 13:30	12°♑39'13		
	-10501 Jul 09 j 01:36	0°♒		
retrograde	-10501 Aug 02 j 17:59	0°♒59'41		
	-10501 Aug 27 j 05:04	30°℞♑		
opposition	-10501 Sep 30 j 17:58	26°♑01'00	-1°37'37	
min. Earth dist.	-10501 Sep 30 j 19:15	26°♑00'34	4.22637 AU	
direct	-10501 Nov 30 j 06:10	20°♑56'49		
	-10500 Feb 21 j 01:24	0°♒		
evening set	-10500 Apr 07 j 06:16	9°♒40'00		
conjunction	-10500 Apr 20 j 18:08	12°♒41'00	-0°41'36	
minimum elong	-10500 Apr 20 j 18:12	12°♒41'02	0°42'05	
max. Earth dist.	-10500 Apr 20 j 07:07	12°♒34'50	6.26257 AU	
	-10500 May 01 j 02:34	15°♒		
morning rise	-10500 May 04 j 03:01	15°♒40'23		
	-10500 Jul 18 j 03:27	0°♓		
retrograde	-10500 Sep 02 j 18:12	3°♓20'43		
	-10500 Oct 20 j 00:56	30°℞♒		
opposition	-10500 Nov 01 j 04:35	28°♒25'40	-0°22'22	
min. Earth dist.	-10500 Nov 01 j 16:23	28°♒21'46	4.29391 AU	
direct	-10499 Jan 01 j 19:43	23°♒21'45		
asc. node	-10499 Feb 16 j 10:30	26°♒21'07		
	-10499 Mar 13 j 03:24	0°♓		
evening set	-10499 May 10 j 15:10	11°♓45'45		
conjunction	-10499 May 23 j 18:54	14°♓41'12	0°13'31	
minimum elong	-10499 May 23 j 18:53	14°♓41'11	0°13'18	
behind sun begin	-10499 May 23 j 14:14	14°♓38'36		
behind sun end	-10499 May 23 j 23:33	14°♓43'47		
max. Earth dist.	-10499 May 22 j 19:03	14°♓27'55	6.31778 AU	
morning rise	-10499 Jun 05 j 19:03	17°♓34'51		
	-10499 Aug 07 j 16:11	0°♈		
retrograde	-10499 Oct 04 j 10:06	4°♈54'24		
opposition	-10499 Dec 03 j 11:38	0°♈01'55	0°57'50	
	-10499 Dec 03 j 17:36	30°℞♓		
min. Earth dist.	-10499 Dec 04 j 07:04	29°♓55'39	4.33282 AU	
direct	-10498 Feb 03 j 20:10	24°♓59'59		
	-10498 Apr 05 j 07:15	0°♈		
evening set	-10498 Jun 11 j 16:44	13°♈09'50		

Attention, astronomical year style is used: The year -10498 in astronomical counting style is the year 10499 BCE in historical counting style.

max. Earth dist.	-10498 Jun 23 j 04:03	15°♈43'13	6.33667 AU
conjunction	-10498 Jun 24 j 10:40	16°♈00'19	1°03'50
minimum elong	-10498 Jun 24 j 10:35	16°♈00'16	1°03'56
morning rise	-10498 Jul 07 j 01:48	18°♈49'23	
	-10498 Aug 31 j 06:04	0°♉	
retrograde	-10498 Nov 05 j 08:33	6°♉11'27	
opposition	-10497 Jan 05 j 02:42	1°♉19'44	2°00'37
min. Earth dist.	-10497 Jan 05 j 23:56	1°♉12'58	4.33162 AU
	-10497 Jan 15 j 16:20	30°℞♈	
direct	-10497 Mar 08 j 13:34	26°♈20'38	
	-10497 Apr 28 j 11:17	0°♉	
evening set	-10497 Jul 13 j 00:02	14°♉24'23	
	-10497 Jul 15 j 15:36	15°♉	
max. Earth dist.	-10497 Jul 24 j 08:09	16°♉57'25	6.31422 AU
conjunction	-10497 Jul 25 j 10:39	17°♉12'22	1°35'32
minimum elong	-10497 Jul 25 j 10:35	17°♉12'20	1°35'55
morning rise	-10497 Aug 06 j 19:35	19°♉59'39	
	-10497 Sep 23 j 18:28	0°♊	
retrograde	-10497 Dec 08 j 03:18	7°♊45'16	
opposition	-10496 Feb 07 j 11:25	2°♊52'32	2°28'40
min. Earth dist.	-10496 Feb 08 j 04:01	2°♊47'17	4.29032 AU
	-10496 Mar 02 j 18:02	30°℞♉	
direct	-10496 Apr 09 j 09:12	27°♉56'33	
	-10496 May 16 j 14:56	0°♊	
evening set	-10496 Aug 12 j 05:17	16°♊02'05	
conjunction	-10496 Aug 24 j 14:04	18°♊51'27	1°39'18
minimum elong	-10496 Aug 24 j 14:05	18°♊51'28	1°39'52
max. Earth dist.	-10496 Aug 23 j 20:46	18°♊41'34	6.25662 AU
morning rise	-10496 Sep 05 j 23:23	21°♊41'11	
	-10496 Oct 14 j 09:43	0°♋	
retrograde	-10495 Jan 10 j 04:57	10°♋05'14	
opposition	-10495 Mar 12 j 18:21	5°♋09'43	2°12'00
min. Earth dist.	-10495 Mar 13 j 00:59	5°♋07'36	4.22023 AU
direct	-10495 May 12 j 15:24	0°♋16'00	
evening set	-10495 Sep 13 j 02:27	18°♋30'40	
conjunction	-10495 Sep 25 j 16:38	21°♋25'31	1°12'20
minimum elong	-10495 Sep 25 j 16:43	21°♋25'34	1°12'54
max. Earth dist.	-10495 Sep 25 j 16:25	21°♋25'23	6.18056 AU
morning rise	-10495 Oct 08 j 08:56	24°♋21'38	
	-10495 Nov 02 j 11:58	0°♌	
retrograde	-10494 Feb 14 j 12:15	13°♌28'48	
opposition	-10494 Apr 16 j 20:45	8°♌29'36	1°11'53
min. Earth dist.	-10494 Apr 16 j 14:56	8°♌31'30	4.14309 AU
direct	-10494 Jun 15 j 11:51	3°♌36'43	
	-10494 Sep 14 j 16:14	15°♌	
evening set	-10494 Oct 16 j 09:15	22°♌06'55	
conjunction	-10494 Oct 29 j 08:55	25°♌09'04	0°20'51
minimum elong	-10494 Oct 29 j 08:57	25°♌09'05	0°21'15
max. Earth dist.	-10494 Oct 30 j 00:43	25°♌18'19	6.10997 AU
morning rise	-10494 Nov 11 j 12:09	28°♌13'09	
	-10494 Nov 19 j 05:07	0°♍	
desc. node	-10493 Mar 17 j 17:57	17°♍53'18	
retrograde	-10493 Mar 22 j 15:01	17°♍55'36	
opposition	-10493 May 22 j 09:51	12°♍52'46	-0°14'58
min. Earth dist.	-10493 May 21 j 17:12	12°♍58'19	4.08466 AU
direct	-10493 Jul 20 j 00:09	7°♍58'45	
evening set	-10493 Nov 20 j 11:02	26°♍48'02	
conjunction	-10493 Dec 03 j 20:16	29°♍56'07	-0°38'59
minimum elong	-10493 Dec 03 j 20:12	29°♍56'05	0°38'54
	-10493 Dec 04 j 02:54	0°♎	
max. Earth dist.	-10493 Dec 05 j 02:29	0°♎13'50	6.06931 AU
morning rise	-10493 Dec 17 j 08:47	3°♎05'59	
retrograde	-10492 Apr 26 j 20:47	23°♎02'24	
opposition	-10492 Jun 25 j 20:28	17°♎57'33	-1°37'52
min. Earth dist.	-10492 Jun 24 j 23:43	18°♎04'35	4.06665 AU
direct	-10492 Aug 23 j 00:12	13°♎00'50	
	-10492 Dec 16 j 22:47	0°♏	
evening set	-10492 Dec 26 j 01:41	2°♏05'58	
conjunction	-10491 Jan 08 j 16:36	5°♏16'06	-1°25'07
minimum elong	-10491 Jan 08 j 16:31	5°♏16'03	1°25'24
max. Earth dist.	-10491 Jan 10 j 00:09	5°♏34'29	6.07444 AU
morning rise	-10491 Jan 22 j 09:53	8°♏27'20	
	-10491 Feb 20 j 13:51	15°♏	
retrograde	-10491 Jun 01 j 07:03	28°♏08'27	
opposition	-10491 Jul 30 j 15:21	23°♏03'57	-2°24'50
min. Earth dist.	-10491 Jul 29 j 20:41	23°♏10'21	4.09595 AU
direct	-10491 Sep 27 j 02:41	18°♏03'50	
	-10491 Dec 30 j 11:19	0°♐	
evening set	-10490 Feb 01 j 03:10	7°♐12'56	
conjunction	-10490 Feb 14 j 20:12	10°♐21'36	-1°40'05
minimum elong	-10490 Feb 14 j 20:12	10°♐21'36	1°40'37
max. Earth dist.	-10490 Feb 15 j 19:22	10°♐34'55	6.12454 AU
morning rise	-10490 Feb 28 j 13:20	13°♐30'13	
	-10490 May 26 j 13:43	0°♑	
retrograde	-10490 Jul 05 j 12:25	2°♑31'18	
	-10490 Aug 14 j 04:12	30°℞♐	
opposition	-10490 Sep 02 j 11:40	27°♐29'24	-2°19'36
min. Earth dist.	-10490 Sep 02 j 02:34	27°♐32'31	4.16215 AU
direct	-10490 Oct 31 j 22:51	22°♐26'28	
	-10489 Jan 13 j 11:44	0°♑	
evening set	-10489 Mar 09 j 08:55	11°♑24'28	
conjunction	-10489 Mar 23 j 00:43	14°♑29'27	-1°19'56
minimum elong	-10489 Mar 23 j 00:48	14°♑29'30	1°20'30
max. Earth dist.	-10489 Mar 23 j 06:39	14°♑32'49	6.20135 AU
morning rise	-10489 Apr 05 j 14:43	17°♑33'23	
	-10489 Jun 05 j 21:12	0°♒	
retrograde	-10489 Aug 07 j 06:46	5°♒45'59	
opposition	-10489 Oct 05 j 09:26	0°♒47'47	-1°28'07
min. Earth dist.	-10489 Oct 05 j 11:07	0°♒47'13	4.24151 AU
	-10489 Oct 11 j 08:29	30°℞♑	
direct	-10489 Dec 05 j 01:35	25°♑43'31	
	-10488 Jan 28 j 16:51	0°♒	
evening set	-10488 Apr 12 j 01:34	14°♒21'55	
	-10488 Apr 14 j 22:10	15°♒	
conjunction	-10488 Apr 25 j 12:21	17°♒21'51	-0°34'11
minimum elong	-10488 Apr 25 j 12:25	17°♒21'53	0°34'37
max. Earth dist.	-10488 Apr 24 j 23:40	17°♒14'46	6.27780 AU
morning rise	-10488 May 08 j 20:02	20°♒20'07	
	-10488 Jun 24 j 07:37	0°♓	
retrograde	-10488 Sep 07 j 04:28	7°♓54'05	
opposition	-10488 Nov 05 j 16:58	2°♓59'28	-0°10'55
min. Earth dist.	-10488 Nov 06 j 06:28	2°♓55'02	4.30782 AU
	-10488 Nov 30 j 04:00	30°℞♒	
asc. node	-10488 Dec 28 j 01:37	28°♒04'02	
direct	-10487 Jan 06 j 12:41	27°♒55'45	
	-10487 Feb 13 j 04:46	0°♓	
evening set	-10487 May 15 j 03:27	16°♓14'59	
max. Earth dist.	-10487 May 27 j 03:53	18°♓54'59	6.32914 AU
conjunction	-10487 May 28 j 05:46	19°♓09'23	0°21'05
minimum elong	-10487 May 28 j 05:44	19°♓09'21	0°20'55
morning rise	-10487 Jun 10 j 04:34	22°♓01'59	
	-10487 Jul 18 j 00:08	0°♈	
retrograde	-10487 Oct 08 j 17:21	9°♈18'26	

Attention, astronomical year style is used: The year -10487 in astronomical counting style is the year 10488 BCE in historical counting style.

opposition	-10487 Dec 07 j 22:22	4°♈26'07	1°07'53
min. Earth dist.	-10487 Dec 08 j 18:21	4°♈19'41	4.34096 AU
	-10486 Jan 19 j 13:07	30°℞♓	
direct	-10486 Feb 08 j 08:36	29°♓24'28	
	-10486 Feb 28 j 07:44	0°♈	
evening set	-10486 Jun 15 j 23:44	17°♈31'07	
max. Earth dist.	-10486 Jun 27 j 10:04	20°♈03'53	6.34082 AU
conjunction	-10486 Jun 28 j 16:26	20°♈20'51	1°09'29
minimum elong	-10486 Jun 28 j 16:21	20°♈20'48	1°09'38
morning rise	-10486 Jul 11 j 06:18	23°♈09'14	
	-10486 Aug 12 j 06:39	0°♉	
retrograde	-10486 Nov 09 j 16:59	10°♉32'00	
opposition	-10485 Jan 09 j 13:54	5°♉40'19	2°06'41
min. Earth dist.	-10485 Jan 10 j 11:47	5°♉33'22	4.33149 AU
direct	-10485 Mar 13 j 00:45	0°♉41'38	
	-10485 Jun 30 j 05:46	15°♉	
evening set	-10485 Jul 17 j 04:51	18°♉44'20	
max. Earth dist.	-10485 Jul 28 j 10:45	21°♉16'23	6.30956 AU
conjunction	-10485 Jul 29 j 14:41	21°♉32'10	1°37'47
minimum elong	-10485 Jul 29 j 14:38	21°♉32'08	1°38'12
morning rise	-10485 Aug 10 j 23:23	24°♉19'29	
	-10485 Sep 05 j 22:50	0°♊	
retrograde	-10485 Dec 12 j 15:45	12°♊09'30	
opposition	-10484 Feb 12 j 00:56	7°♊16'29	2°29'07
min. Earth dist.	-10484 Feb 12 j 17:11	7°♊11'20	4.28147 AU
direct	-10484 Apr 13 j 19:57	2°♊20'48	
evening set	-10484 Aug 16 j 11:16	20°♊27'48	
conjunction	-10484 Aug 28 j 20:35	23°♊17'50	1°37'23
minimum elong	-10484 Aug 28 j 20:37	23°♊17'52	1°37'58
max. Earth dist.	-10484 Aug 28 j 05:29	23°♊09'11	6.24443 AU
morning rise	-10484 Sep 10 j 06:22	26°♊08'20	
	-10484 Sep 27 j 11:26	0°♋	
retrograde	-10483 Jan 14 j 23:02	14°♋39'23	
opposition	-10483 Mar 17 j 11:39	9°♋43'31	2°06'13
min. Earth dist.	-10483 Mar 17 j 17:28	9°♋41'40	4.20553 AU
direct	-10483 May 17 j 04:16	4°♋50'03	
evening set	-10483 Sep 17 j 13:20	23°♋08'16	
conjunction	-10483 Sep 30 j 04:37	26°♋04'18	1°06'28
minimum elong	-10483 Sep 30 j 04:42	26°♋04'21	1°07'01
max. Earth dist.	-10483 Sep 30 j 04:54	26°♋04'29	6.16470 AU
morning rise	-10483 Oct 12 j 22:30	29°♋01'48	
	-10483 Oct 17 j 03:37	0°♌	
	-10482 Jan 03 j 03:50	15°♌	
retrograde	-10482 Feb 19 j 11:41	18°♌16'56	
	-10482 Apr 08 j 08:07	15°℞♌	
opposition	-10482 Apr 21 j 18:09	13°♌17'13	1°00'57
min. Earth dist.	-10482 Apr 21 j 10:29	13°♌19'44	4.12726 AU
direct	-10482 Jun 20 j 04:07	8°♌24'18	
	-10482 Aug 25 j 19:53	15°♌	
evening set	-10482 Oct 21 j 03:37	26°♌59'24	
conjunction	-10482 Nov 03 j 04:59	0°♍02'54	0°12'35
minimum elong	-10482 Nov 03 j 05:00	0°♍02'54	0°12'55
behind sun begin	-10482 Nov 02 j 23:58	29°♌59'58	
behind sun end	-10482 Nov 03 j 10:02	0°♍05'51	
	-10482 Nov 03 j 00:02	0°♍	
max. Earth dist.	-10482 Nov 04 j 00:31	0°♍14'21	6.09590 AU
morning rise	-10482 Nov 16 j 09:41	3°♍08'18	
desc. node	-10481 Jan 25 j 17:06	17°♍35'50	
retrograde	-10481 Mar 27 j 19:00	22°♍56'42	
opposition	-10481 May 27 j 09:59	17°♍53'32	-0°27'38
min. Earth dist.	-10481 May 26 j 16:36	17°♍59'20	4.07384 AU
direct	-10481 Jul 24 j 21:18	12°♍59'18	
	-10481 Nov 17 j 10:32	0°♎	
evening set	-10481 Nov 25 j 13:38	1°♎53'11	
conjunction	-10481 Dec 08 j 23:51	5°♎02'01	-0°46'48
minimum elong	-10481 Dec 08 j 23:46	5°♎01'58	0°46'47
max. Earth dist.	-10481 Dec 10 j 06:33	5°♎20'02	6.06255 AU
morning rise	-10481 Dec 22 j 13:35	8°♎12'38	
retrograde	-10480 May 01 j 22:44	28°♎10'16	
opposition	-10480 Jun 30 j 20:29	23°♎05'16	-1°47'20
min. Earth dist.	-10480 Jun 29 j 22:18	23°♎12'49	4.06490 AU
direct	-10480 Aug 27 j 23:31	18°♎08'05	
	-10480 Nov 28 j 22:11	0°♏	
evening set	-10480 Dec 31 j 08:37	7°♏15'31	
conjunction	-10479 Jan 14 j 00:11	10°♏25'44	-1°29'23
minimum elong	-10479 Jan 14 j 00:06	10°♏25'42	1°29'43
max. Earth dist.	-10479 Jan 15 j 08:57	10°♏44'48	6.07759 AU
morning rise	-10479 Jan 27 j 17:34	13°♏36'50	
	-10479 Feb 02 j 18:20	15°♏	
	-10479 Apr 21 j 14:27	0°♐	
retrograde	-10479 Jun 06 j 07:28	3°♐13'48	
	-10479 Jul 21 j 18:32	30°℞♏	
opposition	-10479 Aug 04 j 13:06	28°♏09'28	-2°27'19
min. Earth dist.	-10479 Aug 03 j 19:47	28°♏15'24	4.10345 AU
direct	-10479 Oct 02 j 03:41	23°♏08'52	
	-10479 Dec 09 j 14:52	0°♐	
evening set	-10478 Feb 06 j 08:55	12°♐16'53	
conjunction	-10478 Feb 20 j 01:55	15°♐25'03	-1°39'14
minimum elong	-10478 Feb 20 j 01:57	15°♐25'04	1°39'48
max. Earth dist.	-10478 Feb 20 j 23:40	15°♐37'31	6.13525 AU
morning rise	-10478 Mar 05 j 18:48	18°♐33'03	
	-10478 Apr 29 j 05:48	0°♑	
retrograde	-10478 Jul 10 j 04:54	7°♑26'46	
opposition	-10478 Sep 07 j 05:19	2°♑25'16	-2°14'41
min. Earth dist.	-10478 Sep 06 j 20:41	2°♑28'13	4.17471 AU
	-10478 Sep 25 j 19:54	30°℞♐	
direct	-10478 Nov 05 j 19:29	27°♐22'01	
	-10478 Dec 17 j 07:27	0°♑	
evening set	-10477 Mar 14 j 09:34	16°♑16'52	
conjunction	-10477 Mar 28 j 00:46	19°♑21'04	-1°14'39
minimum elong	-10477 Mar 28 j 00:51	19°♑21'07	1°15'14
max. Earth dist.	-10477 Mar 28 j 03:22	19°♑22'32	6.21461 AU
morning rise	-10477 Apr 10 j 14:04	22°♑24'09	
	-10477 May 15 j 21:53	0°♒	
retrograde	-10477 Aug 11 j 20:42	10°♒29'42	
opposition	-10477 Oct 09 j 23:51	5°♒32'02	-1°18'11
min. Earth dist.	-10477 Oct 10 j 04:14	5°♒30'34	4.25391 AU
direct	-10477 Dec 09 j 21:32	0°♒27'43	
	-10476 Mar 29 j 06:12	15°♒	
evening set	-10476 Apr 16 j 19:46	19°♒02'35	
conjunction	-10476 Apr 30 j 05:39	22°♒01'42	-0°26'34
minimum elong	-10476 Apr 30 j 05:42	22°♒01'43	0°26'58
max. Earth dist.	-10476 Apr 29 j 15:04	21°♒53'34	6.28838 AU
morning rise	-10476 May 13 j 12:07	24°♒59'04	
	-10476 Jun 05 j 15:34	0°♓	
retrograde	-10476 Sep 11 j 13:56	12°♓28'45	
asc. node	-10476 Nov 07 j 04:32	7°♓58'29	
opposition	-10476 Nov 10 j 05:44	7°♓34'32	0°00'38
min. Earth dist.	-10476 Nov 10 j 19:53	7°♓29'54	4.31581 AU
direct	-10475 Jan 11 j 03:44	2°♓31'00	
evening set	-10475 May 19 j 16:32	20°♓47'43	
conjunction	-10475 Jun 01 j 17:24	23°♓41'19	0°28'39
minimum elong	-10475 Jun 01 j 17:21	23°♓41'18	0°28'32

Attention, astronomical year style is used: The year -10475 in astronomical counting style is the year 10476 BCE in historical counting style.

max. Earth dist.	-10475 May 31 j 13:54	23°♓26'01	6.33395 AU
morning rise	-10475 Jun 14 j 14:54	26°♓33'12	
	-10475 Jun 30 j 10:09	0°♈	
retrograde	-10475 Oct 13 j 05:02	13°♈49'00	
opposition	-10475 Dec 12 j 11:48	8°♈56'56	1°17'47
min. Earth dist.	-10475 Dec 13 j 09:24	8°♈50'00	4.34232 AU
direct	-10474 Feb 13 j 00:13	3°♈55'38	
evening set	-10474 Jun 20 j 09:50	22°♈01'16	
max. Earth dist.	-10474 Jul 01 j 18:05	24°♈33'05	6.33840 AU
conjunction	-10474 Jul 03 j 01:21	24°♈50'34	1°14'56
minimum elong	-10474 Jul 03 j 01:16	24°♈50'31	1°15'07
morning rise	-10474 Jul 15 j 14:15	27°♈38'37	
	-10474 Jul 26 j 06:39	0°♉	
	-10474 Nov 07 j 13:28	15°♉	
retrograde	-10474 Nov 14 j 06:09	15°♉04'15	
	-10474 Nov 20 j 23:28	15°℞♉	
opposition	-10473 Jan 14 j 05:33	10°♉12'28	2°12'21
min. Earth dist.	-10473 Jan 15 j 02:42	10°♉05'45	4.32577 AU
direct	-10473 Mar 17 j 14:21	5°♉14'10	
	-10473 Jun 12 j 16:05	15°♉	
evening set	-10473 Jul 21 j 14:25	23°♉17'28	
conjunction	-10473 Aug 02 j 23:51	26°♉05'25	1°39'35
minimum elong	-10473 Aug 02 j 23:49	26°♉05'23	1°40'02
max. Earth dist.	-10473 Aug 01 j 22:09	25°♉50'51	6.30097 AU
morning rise	-10473 Aug 15 j 08:11	28°♉52'57	
	-10473 Aug 20 j 07:48	0°♊	
retrograde	-10473 Dec 17 j 10:50	16°♊48'29	
opposition	-10472 Feb 16 j 20:26	11°♊55'13	2°28'42
min. Earth dist.	-10472 Feb 17 j 12:06	11°♊50'15	4.27066 AU
direct	-10472 Apr 18 j 12:36	6°♊59'56	
evening set	-10472 Aug 20 j 22:56	25°♊08'35	
conjunction	-10472 Sep 02 j 08:37	27°♊59'19	1°34'48
minimum elong	-10472 Sep 02 j 08:40	27°♊59'21	1°35'22
max. Earth dist.	-10472 Sep 01 j 18:24	27°♊51'09	6.23239 AU
	-10472 Sep 11 j 02:45	0°♋	
morning rise	-10472 Sep 14 j 19:21	0°♋50'41	
retrograde	-10471 Jan 19 j 22:08	19°♋28'28	
opposition	-10471 Mar 22 j 10:48	14°♋32'04	1°59'16
min. Earth dist.	-10471 Mar 22 j 13:58	14°♋31'04	4.19327 AU
direct	-10471 May 21 j 22:19	9°♋38'48	
evening set	-10471 Sep 22 j 05:32	27°♋59'20	
	-10471 Sep 30 j 21:22	0°♌	
conjunction	-10471 Oct 04 j 22:14	0°♌56'26	0°59'54
minimum elong	-10471 Oct 04 j 22:19	0°♌56'29	1°00'27
max. Earth dist.	-10471 Oct 05 j 02:58	0°♌59'11	6.15377 AU
morning rise	-10471 Oct 17 j 17:26	3°♌55'02	
	-10471 Dec 08 j 10:39	15°♌	
retrograde	-10470 Feb 24 j 15:27	23°♌15'37	
opposition	-10470 Apr 26 j 19:30	18°♌15'24	0°49'09
min. Earth dist.	-10470 Apr 26 j 10:33	18°♌18'19	4.11870 AU
	-10470 May 24 j 03:39	15°℞♌	
direct	-10470 Jun 25 j 02:26	13°♌22'27	
	-10470 Jul 26 j 18:04	15°♌	
	-10470 Oct 17 j 11:16	0°♍	
evening set	-10470 Oct 26 j 01:46	1°♍59'38	
conjunction	-10470 Nov 08 j 04:21	5°♍03'58	0°04'03
minimum elong	-10470 Nov 08 j 04:21	5°♍03'57	0°04'21
behind sun begin	-10470 Nov 07 j 20:18	4°♍59'15	
behind sun end	-10470 Nov 08 j 12:24	5°♍08'39	
max. Earth dist.	-10470 Nov 09 j 01:15	5°♍16'13	6.09059 AU
morning rise	-10470 Nov 21 j 10:40	8°♍10'15	
desc. node	-10470 Dec 04 j 15:50	11°♍12'57	
retrograde	-10469 Apr 01 j 20:42	28°♍00'34	
opposition	-10469 Jun 01 j 10:46	22°♍56'58	-0°40'11
min. Earth dist.	-10469 May 31 j 15:11	23°♍03'32	4.07245 AU
direct	-10469 Jul 29 j 19:38	18°♍02'23	
	-10469 Oct 30 j 20:32	0°♎	
evening set	-10469 Nov 30 j 16:16	6°♎57'25	
conjunction	-10469 Dec 14 j 03:32	10°♎06'32	-0°54'15
minimum elong	-10469 Dec 14 j 03:26	10°♎06'28	0°54'18
max. Earth dist.	-10469 Dec 15 j 12:23	10°♎25'47	6.06508 AU
morning rise	-10469 Dec 27 j 17:52	13°♎17'16	
	-10468 Mar 22 j 02:47	0°♏	
retrograde	-10468 May 06 j 23:52	3°♏12'22	
	-10468 Jun 21 j 15:02	30°℞♎	
opposition	-10468 Jul 05 j 18:25	28°♎07'16	-1°55'45
min. Earth dist.	-10468 Jul 04 j 21:17	28°♎14'28	4.07109 AU
direct	-10468 Sep 01 j 23:18	23°♎09'35	
	-10468 Nov 08 j 14:07	0°♏	
evening set	-10467 Jan 05 j 12:37	12°♏16'32	
	-10467 Jan 17 j 06:54	15°♏	
conjunction	-10467 Jan 19 j 04:28	15°♏26'27	-1°32'53
minimum elong	-10467 Jan 19 j 04:24	15°♏26'24	1°33'14
max. Earth dist.	-10467 Jan 20 j 12:12	15°♏44'51	6.08658 AU
morning rise	-10467 Feb 01 j 21:59	18°♏37'06	
	-10467 Mar 27 j 04:01	0°♐	
retrograde	-10467 Jun 11 j 01:01	8°♐07'50	
opposition	-10467 Aug 09 j 06:25	3°♐03'48	-2°28'38
min. Earth dist.	-10467 Aug 08 j 13:32	3°♐09'35	4.11446 AU
	-10467 Sep 02 j 10:22	30°℞♏	
direct	-10467 Oct 06 j 22:50	28°♏02'44	
	-10467 Nov 10 j 20:49	0°♐	
evening set	-10466 Feb 11 j 10:11	17°♐08'49	
conjunction	-10466 Feb 25 j 03:01	20°♐16'26	-1°37'43
minimum elong	-10466 Feb 25 j 03:04	20°♐16'27	1°38'17
max. Earth dist.	-10466 Feb 25 j 20:53	20°♐26'39	6.14721 AU
morning rise	-10466 Mar 10 j 19:37	23°♐23'44	
	-10466 Apr 09 j 20:20	0°♑	
retrograde	-10466 Jul 14 j 19:08	12°♑10'18	
opposition	-10466 Sep 11 j 18:55	7°♑09'19	-2°09'04
min. Earth dist.	-10466 Sep 11 j 13:14	7°♑11'15	4.18626 AU
direct	-10466 Nov 10 j 14:27	2°♑05'48	
evening set	-10465 Mar 19 j 05:30	20°♑58'04	
conjunction	-10465 Apr 01 j 20:24	24°♑01'43	-1°09'04
minimum elong	-10465 Apr 01 j 20:30	24°♑01'46	1°09'38
max. Earth dist.	-10465 Apr 01 j 20:55	24°♑02'00	6.22493 AU
morning rise	-10465 Apr 15 j 08:53	27°♑04'05	
	-10465 Apr 28 j 14:55	0°♒	
	-10465 Aug 09 j 18:45	15°♒	
retrograde	-10465 Aug 16 j 06:13	15°♒04'12	
	-10465 Aug 22 j 17:59	15°℞♒	
opposition	-10465 Oct 14 j 11:10	10°♒07'06	-1°08'06
min. Earth dist.	-10465 Oct 14 j 16:38	10°♒05'17	4.26210 AU
direct	-10465 Dec 14 j 11:26	5°♒02'49	
	-10464 Mar 11 j 13:32	15°♒	
evening set	-10464 Apr 21 j 11:05	23°♒35'50	
conjunction	-10464 May 04 j 19:48	26°♒34'19	-0°18'59
minimum elong	-10464 May 04 j 19:50	26°♒34'20	0°19'21
max. Earth dist.	-10464 May 04 j 01:28	26°♒24'05	6.29389 AU
morning rise	-10464 May 18 j 01:20	29°♒31'04	
	-10464 May 20 j 05:38	0°♓	
retrograde	-10464 Sep 16 j 00:59	16°♓58'36	
asc. node	-10464 Sep 17 j 23:37	16°♓58'14	
opposition	-10464 Nov 14 j 17:17	12°♓04'50	0°11'57

Attention, astronomical year style is used: The year -10464 in astronomical counting style is the year 10465 BCE in historical counting style.

min. Earth dist.	-10464 Nov 15 j 09:51	11°♓59'26	4.31830 AU
direct	-10463 Jan 15 j 18:48	7°♓01'33	
evening set	-10463 May 24 j 04:26	25°♓17'41	
max. Earth dist.	-10463 Jun 05 j 00:16	27°♓55'15	6.33321 AU
conjunction	-10463 Jun 06 j 04:11	28°♓10'48	0°35'57
minimum elong	-10463 Jun 06 j 04:08	28°♓10'46	0°35'53
	-10463 Jun 14 j 08:16	0°♈	
morning rise	-10463 Jun 19 j 00:23	1°♈02'12	
retrograde	-10463 Oct 17 j 15:52	18°♈19'22	
opposition	-10463 Dec 17 j 01:26	13°♈27'29	1°27'12
min. Earth dist.	-10463 Dec 17 j 22:23	13°♈20'46	4.33877 AU
direct	-10462 Feb 17 j 12:42	8°♈26'38	
evening set	-10462 Jun 24 j 20:19	26°♈32'49	
max. Earth dist.	-10462 Jul 06 j 03:58	29°♈04'39	6.33224 AU
conjunction	-10462 Jul 07 j 10:41	29°♈21'52	1°19'55
minimum elong	-10462 Jul 07 j 10:36	29°♈21'49	1°20'09
	-10462 Jul 10 j 06:40	0°♉	
morning rise	-10462 Jul 19 j 22:43	2°♉09'47	
	-10462 Sep 23 j 03:35	15°♉	
retrograde	-10462 Nov 18 j 23:05	19°♉39'39	
	-10461 Jan 17 j 08:39	15°℞♉	
opposition	-10461 Jan 18 j 23:05	14°♉47'49	2°17'13
min. Earth dist.	-10461 Jan 19 j 20:16	14°♉41'06	4.31758 AU
direct	-10461 Mar 22 j 06:45	9°♉50'01	
	-10461 May 22 j 06:05	15°♉	
evening set	-10461 Jul 26 j 01:11	27°♉54'23	
	-10461 Aug 04 j 07:17	0°♊	
max. Earth dist.	-10461 Aug 06 j 09:46	0°♊28'39	6.29129 AU
conjunction	-10461 Aug 07 j 10:16	0°♊42'33	1°40'45
minimum elong	-10461 Aug 07 j 10:15	0°♊42'32	1°41'14
morning rise	-10461 Aug 19 j 18:36	3°♊30'27	
retrograde	-10461 Dec 22 j 06:30	21°♊31'47	
opposition	-10460 Feb 21 j 17:34	16°♊38'07	2°27'17
min. Earth dist.	-10460 Feb 22 j 06:22	16°♊34'03	4.26034 AU
direct	-10460 Apr 23 j 04:59	11°♊43'14	
evening set	-10460 Aug 25 j 11:56	29°♊53'08	
	-10460 Aug 25 j 23:58	0°♋	
conjunction	-10460 Sep 06 j 22:19	2°♋44'33	1°31'31
minimum elong	-10460 Sep 06 j 22:22	2°♋44'35	1°32'06
max. Earth dist.	-10460 Sep 06 j 12:01	2°♋38'37	6.22235 AU
morning rise	-10460 Sep 19 j 09:46	5°♋36'42	
retrograde	-10459 Jan 24 j 23:21	24°♋20'12	
opposition	-10459 Mar 27 j 10:46	19°♋23'17	1°51'24
min. Earth dist.	-10459 Mar 27 j 12:41	19°♋22'40	4.18399 AU
direct	-10459 May 26 j 19:03	14°♋30'11	
	-10459 Sep 14 j 10:19	0°♌	
evening set	-10459 Sep 26 j 22:23	2°♌51'56	
conjunction	-10459 Oct 09 j 16:15	5°♌49'56	0°52'54
minimum elong	-10459 Oct 09 j 16:19	5°♌49'59	0°53'25
max. Earth dist.	-10459 Oct 09 j 22:36	5°♌53'38	6.14598 AU
morning rise	-10459 Oct 22 j 13:05	8°♌49'35	
	-10459 Nov 18 j 23:55	15°♌	
retrograde	-10458 Mar 01 j 15:57	28°♌14'18	
opposition	-10458 May 01 j 20:12	23°♌13'31	0°37'00
min. Earth dist.	-10458 May 01 j 08:31	23°♌17'21	4.11293 AU
direct	-10458 Jun 29 j 23:00	18°♌20'27	
	-10458 Sep 29 j 23:49	0°♍	
desc. node	-10458 Oct 13 j 19:37	3°♍02'27	
evening set	-10458 Oct 30 j 23:28	6°♍59'05	
conjunction	-10458 Nov 13 j 03:28	10°♍04'08	-0°04'38
minimum elong	-10458 Nov 13 j 03:27	10°♍04'07	0°04'23
behind sun begin	-10458 Nov 12 j 19:23	9°♍59'25	
behind sun end	-10458 Nov 13 j 11:30	10°♍08'50	
max. Earth dist.	-10458 Nov 14 j 03:14	10°♍18'05	6.08732 AU
morning rise	-10458 Nov 26 j 10:56	13°♍11'06	
	-10457 Feb 20 j 22:31	0°♎	
retrograde	-10457 Apr 06 j 23:38	3°♎02'43	
	-10457 May 21 j 22:14	30°℞♍	
opposition	-10457 Jun 06 j 10:20	27°♍58'48	-0°52'22
min. Earth dist.	-10457 Jun 05 j 15:03	28°♍05'16	4.07199 AU
direct	-10457 Aug 03 j 19:06	23°♍03'50	
	-10457 Oct 10 j 16:21	0°♎	
evening set	-10457 Dec 05 j 18:32	12°♎00'08	
conjunction	-10457 Dec 19 j 06:34	15°♎09'27	-1°01'16
minimum elong	-10457 Dec 19 j 06:28	15°♎09'24	1°01'22
max. Earth dist.	-10457 Dec 20 j 15:37	15°♎28'48	6.06733 AU
morning rise	-10456 Jan 01 j 21:39	18°♎20'21	
	-10456 Feb 25 j 03:24	0°♏	
retrograde	-10456 May 11 j 21:47	8°♏12'56	
opposition	-10456 Jul 10 j 14:56	3°♏07'51	-2°03'19
min. Earth dist.	-10456 Jul 09 j 17:34	3°♏15'09	4.07624 AU
	-10456 Aug 04 j 13:21	30°℞♎	
direct	-10456 Sep 06 j 19:32	28°♎09'42	
	-10456 Oct 10 j 06:20	0°♏	
	-10456 Dec 31 j 16:44	15°♏	
evening set	-10455 Jan 10 j 16:19	17°♏16'55	
conjunction	-10455 Jan 24 j 08:24	20°♏26'35	-1°35'42
minimum elong	-10455 Jan 24 j 08:20	20°♏26'33	1°36'08
max. Earth dist.	-10455 Jan 25 j 13:40	20°♏43'32	6.09394 AU
morning rise	-10455 Feb 07 j 02:00	23°♏36'53	
	-10455 Mar 07 j 16:24	0°♐	
retrograde	-10455 Jun 15 j 19:39	13°♐02'12	
opposition	-10455 Aug 13 j 23:42	7°♐58'28	-2°28'58
min. Earth dist.	-10455 Aug 13 j 09:00	8°♐03'30	4.12332 AU
direct	-10455 Oct 11 j 20:08	2°♐56'57	
evening set	-10454 Feb 16 j 11:22	22°♐01'46	
conjunction	-10454 Mar 02 j 04:17	25°♐08'58	-1°35'33
minimum elong	-10454 Mar 02 j 04:20	25°♐09'00	1°36'07
max. Earth dist.	-10454 Mar 02 j 20:53	25°♐18'26	6.15694 AU
morning rise	-10454 Mar 15 j 20:23	28°♐15'40	
	-10454 Mar 23 j 13:45	0°♑	
retrograde	-10454 Jul 19 j 09:11	16°♑55'50	
opposition	-10454 Sep 16 j 09:06	11°♑55'24	-2°02'37
min. Earth dist.	-10454 Sep 16 j 04:38	11°♑56'55	4.19593 AU
direct	-10454 Nov 15 j 07:55	6°♑51'40	
evening set	-10453 Mar 24 j 02:30	25°♑41'54	
conjunction	-10453 Apr 06 j 16:40	28°♑44'56	-1°03'00
minimum elong	-10453 Apr 06 j 16:45	28°♑44'59	1°03'32
max. Earth dist.	-10453 Apr 06 j 12:49	28°♑42'47	6.23384 AU
	-10453 Apr 12 j 06:10	0°♒	
morning rise	-10453 Apr 20 j 04:34	1°♒46'40	
	-10453 Jun 25 j 22:01	15°♒	
retrograde	-10453 Aug 20 j 18:29	19°♒41'49	
	-10453 Oct 17 j 03:22	15°℞♒	
opposition	-10453 Oct 18 j 23:51	14°♒45'12	-0°57'29
min. Earth dist.	-10453 Oct 19 j 07:48	14°♒42'33	4.26943 AU
direct	-10453 Dec 19 j 04:56	9°♒40'54	
	-10452 Feb 19 j 01:43	15°♒	
evening set	-10452 Apr 26 j 03:16	28°♒12'05	
	-10452 May 04 j 05:39	0°♓	
conjunction	-10452 May 09 j 11:06	1°♓09'57	-0°11'11
minimum elong	-10452 May 09 j 11:07	1°♓09'57	0°11'32
behind sun begin	-10452 May 09 j 05:18	1°♓06'44	

Attention, astronomical year style is used: The year -10452 in astronomical counting style is the year 10453 BCE in historical counting style.

behind sun end	-10452 May 09 j 16:56	1°♓13'11	
max. Earth dist.	-10452 May 08 j 16:14	0°♓59'26	6.29927 AU
morning rise	-10452 May 22 j 15:18	4°♓06'00	
asc. node	-10452 Jul 28 j 12:06	17°♓09'41	
retrograde	-10452 Sep 20 j 11:18	21°♓31'22	
opposition	-10452 Nov 19 j 06:10	16°♓37'58	0°23'21
min. Earth dist.	-10452 Nov 19 j 22:51	16°♓32'33	4.32147 AU
direct	-10451 Jan 20 j 08:42	11°♓35'00	
evening set	-10451 May 28 j 17:08	29°♓49'58	
	-10451 May 29 j 11:16	0°♈	
max. Earth dist.	-10451 Jun 09 j 09:47	2°♈25'58	6.33392 AU
conjunction	-10451 Jun 10 j 15:22	2°♈42'27	0°43'08
minimum elong	-10451 Jun 10 j 15:18	2°♈42'25	0°43'07
morning rise	-10451 Jun 23 j 10:27	5°♈33'19	
retrograde	-10451 Oct 22 j 05:45	22°♈51'25	
opposition	-10451 Dec 21 j 16:20	17°♈59'39	1°36'13
min. Earth dist.	-10451 Dec 22 j 14:12	17°♈52'39	4.33726 AU
direct	-10450 Feb 22 j 04:40	12°♈59'12	
	-10450 Jun 24 j 09:54	0°♉	
evening set	-10450 Jun 29 j 06:53	1°♉04'54	
conjunction	-10450 Jul 11 j 20:19	3°♉53'37	1°24'29
minimum elong	-10450 Jul 11 j 20:14	3°♉53'35	1°24'45
max. Earth dist.	-10450 Jul 10 j 15:08	3°♉37'14	6.32861 AU
morning rise	-10450 Jul 24 j 07:24	6°♉41'17	
	-10450 Sep 01 j 13:00	15°♉	
retrograde	-10450 Nov 23 j 13:29	24°♉14'23	
opposition	-10449 Jan 23 j 16:21	19°♉22'22	2°21'16
min. Earth dist.	-10449 Jan 24 j 11:27	19°♉16'19	4.31239 AU
	-10449 Mar 07 j 06:05	15°℞♉	
direct	-10449 Mar 26 j 21:00	14°♉25'03	
	-10449 Apr 15 j 13:35	15°♉	
	-10449 Jul 19 j 08:01	0°♊	
evening set	-10449 Jul 30 j 11:26	2°♊29'18	
conjunction	-10449 Aug 11 j 20:09	5°♊17'34	1°41'19
minimum elong	-10449 Aug 11 j 20:09	5°♊17'34	1°41'49
max. Earth dist.	-10449 Aug 10 j 21:45	5°♊04'49	6.28491 AU
morning rise	-10449 Aug 24 j 04:27	8°♊05'42	
retrograde	-10449 Dec 27 j 02:34	26°♊11'38	
opposition	-10448 Feb 26 j 13:39	21°♊17'35	2°24'55
min. Earth dist.	-10448 Feb 27 j 01:46	21°♊13'44	4.25302 AU
direct	-10448 Apr 27 j 22:54	16°♊23'01	
	-10448 Aug 09 j 16:20	0°♋	
evening set	-10448 Aug 29 j 23:22	4°♋33'07	
conjunction	-10448 Sep 11 j 10:25	7°♋25'09	1°27'43
minimum elong	-10448 Sep 11 j 10:29	7°♋25'11	1°28'18
max. Earth dist.	-10448 Sep 11 j 02:01	7°♋20'19	6.21474 AU
morning rise	-10448 Sep 23 j 22:55	10°♋18'05	
retrograde	-10447 Jan 29 j 19:49	29°♋06'21	
opposition	-10447 Apr 01 j 08:24	24°♋08'53	1°42'53
min. Earth dist.	-10447 Apr 01 j 07:30	24°♋09'11	4.17652 AU
direct	-10447 May 31 j 12:05	19°♋15'56	
	-10447 Aug 28 j 04:10	0°♌	
evening set	-10447 Oct 01 j 13:25	7°♌38'35	
conjunction	-10447 Oct 14 j 08:36	10°♌37'27	0°45'39
minimum elong	-10447 Oct 14 j 08:41	10°♌37'29	0°46'08
max. Earth dist.	-10447 Oct 14 j 17:50	10°♌42'50	6.13938 AU
morning rise	-10447 Oct 27 j 06:46	13°♌38'00	
	-10447 Nov 02 j 05:01	15°♌	
	-10446 Jan 19 j 19:02	0°♍	
retrograde	-10446 Mar 06 j 16:35	3°♍06'28	
	-10446 Apr 21 j 19:34	30°℞♌	
opposition	-10446 May 06 j 18:12	28°♌05'11	0°24'48
min. Earth dist.	-10446 May 06 j 06:11	28°♌09'09	4.10747 AU
direct	-10446 Jul 04 j 19:15	23°♌11'56	
desc. node	-10446 Aug 24 j 07:02	27°♌11'39	
	-10446 Sep 10 j 06:31	0°♍	
evening set	-10446 Nov 04 j 19:32	11°♍52'20	
conjunction	-10446 Nov 18 j 00:45	14°♍58'06	-0°12'59
minimum elong	-10446 Nov 18 j 00:44	14°♍58'05	0°12'46
behind sun begin	-10446 Nov 17 j 19:36	14°♍55'05	
behind sun end	-10446 Nov 18 j 05:52	15°♍01'05	
max. Earth dist.	-10446 Nov 19 j 01:39	15°♍12'41	6.08353 AU
morning rise	-10446 Dec 01 j 09:35	18°♍05'48	
	-10445 Jan 25 j 21:27	0°♎	
retrograde	-10445 Apr 11 j 22:49	7°♎58'46	
min. Earth dist.	-10445 Jun 10 j 10:59	3°♎01'26	4.07040 AU
opposition	-10445 Jun 11 j 07:15	2°♎54'37	-1°03'57
	-10445 Jul 04 j 12:15	30°℞♍	
direct	-10445 Aug 08 j 13:22	27°♍59'18	
	-10445 Sep 12 j 12:24	0°♎	
evening set	-10445 Dec 10 j 19:12	16°♎57'41	
conjunction	-10445 Dec 24 j 07:58	20°♎07'17	-1°07'43
minimum elong	-10445 Dec 24 j 07:52	20°♎07'13	1°07'51
max. Earth dist.	-10445 Dec 25 j 15:58	20°♎26'00	6.06785 AU
morning rise	-10444 Jan 06 j 23:43	23°♎18'22	
	-10444 Feb 05 j 17:46	0°♏	
retrograde	-10444 May 16 j 18:59	13°♏09'22	
opposition	-10444 Jul 15 j 09:58	8°♏04'21	-2°09'55
min. Earth dist.	-10444 Jul 14 j 13:46	8°♏11'15	4.07888 AU
direct	-10444 Sep 11 j 16:04	3°♏05'44	
	-10444 Dec 14 j 06:02	15°♏	
evening set	-10443 Jan 15 j 18:55	22°♏14'16	
conjunction	-10443 Jan 29 j 11:29	25°♏23'53	-1°37'49
minimum elong	-10443 Jan 29 j 11:26	25°♏23'52	1°38'15
max. Earth dist.	-10443 Jan 30 j 16:25	25°♏40'38	6.09852 AU
morning rise	-10443 Feb 12 j 05:00	28°♏33'57	
	-10443 Feb 18 j 11:42	0°♐	
retrograde	-10443 Jun 20 j 14:11	17°♐54'51	
opposition	-10443 Aug 18 j 16:15	12°♐51'34	-2°28'15
min. Earth dist.	-10443 Aug 18 j 02:39	12°♐56'13	4.12954 AU
direct	-10443 Oct 16 j 15:02	7°♐49'45	
evening set	-10442 Feb 21 j 12:39	26°♐54'21	
conjunction	-10442 Mar 07 j 05:20	0°♑01'13	-1°32'41
minimum elong	-10442 Mar 07 j 05:24	0°♑01'15	1°33'17
	-10442 Mar 07 j 03:12	0°♑	
max. Earth dist.	-10442 Mar 07 j 17:59	0°♑08'25	6.16430 AU
morning rise	-10442 Mar 20 j 21:16	3°♑07'30	
retrograde	-10442 Jul 23 j 23:53	21°♑42'14	
opposition	-10442 Sep 20 j 23:46	16°♑42'19	-1°55'18
min. Earth dist.	-10442 Sep 20 j 21:02	16°♑43'15	4.20373 AU
direct	-10442 Nov 20 j 02:58	11°♑38'24	
	-10441 Mar 26 j 22:50	0°♒	
evening set	-10441 Mar 28 j 23:32	0°♒27'07	
conjunction	-10441 Apr 11 j 13:15	3°♒29'39	-0°56'27
minimum elong	-10441 Apr 11 j 13:20	3°♒29'42	0°56'58
max. Earth dist.	-10441 Apr 11 j 08:38	3°♒27'03	6.24183 AU
morning rise	-10441 Apr 25 j 00:11	6°♒30'43	
	-10441 Jun 04 j 00:12	15°♒	
retrograde	-10441 Aug 25 j 07:05	24°♒21'18	
opposition	-10441 Oct 23 j 13:27	19°♒25'13	-0°46'26
min. Earth dist.	-10441 Oct 23 j 22:09	19°♒22'20	4.27682 AU
	-10441 Dec 03 j 11:51	15°℞♒	
direct	-10441 Dec 23 j 21:15	14°♒21'04	
	-10440 Jan 13 j 11:57	15°♒	

Attention, astronomical year style is used: The year -10440 in astronomical counting style is the year 10441 BCE in historical counting style.

	-10440 Apr 17 j 20:44	0°♓	
evening set	-10440 Apr 30 j 19:42	2°♓50'04	
max. Earth dist.	-10440 May 13 j 04:43	5°♓35'12	6.30550 AU
conjunction	-10440 May 14 j 02:14	5°♓47'11	-0°03'18
minimum elong	-10440 May 14 j 02:13	5°♓47'10	0°03'35
behind sun begin	-10440 May 13 j 18:08	5°♓42'42	
behind sun end	-10440 May 14 j 10:17	5°♓51'39	
morning rise	-10440 May 27 j 05:21	8°♓42'30	
asc. node	-10440 Jun 06 j 06:07	10°♓54'51	
retrograde	-10440 Sep 24 j 23:19	26°♓05'34	
opposition	-10440 Nov 23 j 19:47	21°♓12'26	0°34'40
min. Earth dist.	-10440 Nov 24 j 13:37	21°♓06'38	4.32610 AU
direct	-10439 Jan 25 j 00:51	16°♓09'41	
	-10439 May 13 j 00:37	0°♈	
evening set	-10439 Jun 02 j 05:22	4°♈22'43	
max. Earth dist.	-10439 Jun 13 j 21:52	6°♈58'37	6.33647 AU
conjunction	-10439 Jun 15 j 02:23	7°♈14'31	0°50'05
minimum elong	-10439 Jun 15 j 02:18	7°♈14'28	0°50'05
morning rise	-10439 Jun 27 j 20:00	10°♈04'41	
retrograde	-10439 Oct 26 j 17:02	27°♈23'08	
opposition	-10439 Dec 26 j 06:50	22°♈31'25	1°44'37
min. Earth dist.	-10439 Dec 27 j 03:56	22°♈24'41	4.33754 AU
direct	-10438 Feb 26 j 18:22	17°♈31'23	
	-10438 Jun 07 j 20:13	0°♉	
evening set	-10438 Jul 03 j 16:29	5°♉35'50	
max. Earth dist.	-10438 Jul 14 j 22:59	8°♉07'25	6.32615 AU
conjunction	-10438 Jul 16 j 04:45	8°♉24'09	1°28'31
minimum elong	-10438 Jul 16 j 04:41	8°♉24'07	1°28'51
morning rise	-10438 Jul 28 j 15:10	11°♉11'35	
	-10438 Aug 14 j 22:30	15°♉	
retrograde	-10438 Nov 28 j 05:30	28°♉47'47	
opposition	-10437 Jan 28 j 09:12	23°♉55'33	2°24'28
min. Earth dist.	-10437 Jan 29 j 04:25	23°♉49'27	4.30724 AU
direct	-10437 Mar 31 j 12:54	18°♉58'34	
	-10437 Jul 02 j 09:14	0°♊	
evening set	-10437 Aug 03 j 20:22	7°♊02'42	
max. Earth dist.	-10437 Aug 15 j 08:34	9°♊39'31	6.27733 AU
conjunction	-10437 Aug 16 j 05:05	9°♊51'12	1°41'17
minimum elong	-10437 Aug 16 j 05:05	9°♊51'12	1°41'48
morning rise	-10437 Aug 28 j 13:27	12°♊39'41	
	-10437 Dec 08 j 06:33	0°♋	
retrograde	-10437 Dec 31 j 19:53	0°♋50'45	
	-10436 Jan 24 j 11:23	30°℞♊	
opposition	-10436 Mar 02 j 09:00	25°♊56'16	2°21'43
min. Earth dist.	-10436 Mar 02 j 18:58	25°♊53'06	4.24352 AU
direct	-10436 May 02 j 13:56	21°♊02'00	
	-10436 Jul 22 j 17:21	0°♋	
evening set	-10436 Sep 03 j 10:49	9°♋13'16	
conjunction	-10436 Sep 15 j 22:37	12°♋06'06	1°23'22
minimum elong	-10436 Sep 15 j 22:42	12°♋06'08	1°23'58
max. Earth dist.	-10436 Sep 15 j 16:05	12°♋02'19	6.20410 AU
morning rise	-10436 Sep 28 j 12:11	14°♋59'57	
	-10436 Dec 13 j 18:34	0°♌	
retrograde	-10435 Feb 03 j 19:27	3°♌54'15	
	-10435 Mar 28 j 23:15	30°℞♋	
opposition	-10435 Apr 06 j 06:25	28°♋56'13	1°33'43
min. Earth dist.	-10435 Apr 06 j 04:44	28°♋56'46	4.16524 AU
direct	-10435 Jun 05 j 07:06	24°♋03'14	
	-10435 Aug 07 j 16:29	0°♌	
evening set	-10435 Oct 06 j 05:43	12°♌28'23	
	-10435 Oct 17 j 01:50	15°♌	

conjunction	-10435 Oct 19 j 02:21	15°♌28'21	0°38'03
minimum elong	-10435 Oct 19 j 02:25	15°♌28'23	0°38'30
max. Earth dist.	-10435 Oct 19 j 13:48	15°♌35'02	6.12861 AU
morning rise	-10435 Nov 01 j 02:07	18°♌30'05	
	-10435 Dec 24 j 19:06	0°♍	
retrograde	-10434 Mar 11 j 18:16	8°♍03'40	
opposition	-10434 May 11 j 17:53	3°♍01'55	0°12'16
min. Earth dist.	-10434 May 11 j 04:06	3°♍06'27	4.09817 AU
	-10434 Jun 05 j 13:54	30°℞♌	
desc. node	-10434 Jul 04 j 11:50	28°♌11'06	
direct	-10434 Jul 09 j 14:28	28°♌08'28	
	-10434 Aug 12 j 08:40	0°♍	
evening set	-10434 Nov 09 j 18:30	16°♍52'10	
conjunction	-10434 Nov 23 j 00:56	19°♍58'46	-0°21'25
minimum elong	-10434 Nov 23 j 00:54	19°♍58'45	0°21'16
max. Earth dist.	-10434 Nov 24 j 02:40	20°♍13'53	6.07638 AU
morning rise	-10434 Dec 06 j 11:04	23°♍07'20	
	-10433 Jan 05 j 23:12	0°♎	
retrograde	-10433 Apr 17 j 00:59	13°♎02'49	
min. Earth dist.	-10433 Jun 15 j 10:33	8°♎05'16	4.06613 AU
opposition	-10433 Jun 16 j 07:04	7°♎58'20	-1°15'23
direct	-10433 Aug 13 j 12:17	3°♎02'34	
evening set	-10433 Dec 15 j 23:53	22°♎04'02	
conjunction	-10433 Dec 29 j 13:35	25°♎14'01	-1°13'51
minimum elong	-10433 Dec 29 j 13:29	25°♎13'58	1°14'02
max. Earth dist.	-10433 Dec 30 j 23:11	25°♎33'39	6.06683 AU
morning rise	-10432 Jan 12 j 05:48	28°♎25'19	
	-10432 Jan 19 j 01:57	0°♏	
	-10432 Apr 05 j 21:11	15°♏	
retrograde	-10432 May 21 j 20:26	18°♏14'39	
	-10432 Jul 06 j 14:14	15°℞♏	
opposition	-10432 Jul 20 j 08:18	13°♏09'46	-2°15'45
min. Earth dist.	-10432 Jul 19 j 12:31	13°♏16'32	4.08155 AU
direct	-10432 Sep 16 j 15:07	8°♏10'44	
	-10432 Nov 23 j 11:37	15°♏	
evening set	-10431 Jan 21 j 01:42	27°♏20'25	
	-10431 Feb 01 j 14:39	0°♐	
conjunction	-10431 Feb 03 j 18:22	0°♐29'51	-1°39'16
minimum elong	-10431 Feb 03 j 18:20	0°♐29'50	1°39'44
max. Earth dist.	-10431 Feb 04 j 20:52	0°♐45'09	6.10457 AU
morning rise	-10431 Feb 17 j 12:03	3°♐39'38	
retrograde	-10431 Jun 25 j 10:20	22°♐55'08	
opposition	-10431 Aug 23 j 12:01	17°♐52'14	-2°26'29
min. Earth dist.	-10431 Aug 22 j 23:01	17°♐56'40	4.13869 AU
direct	-10431 Oct 21 j 14:21	12°♐50'03	
	-10430 Feb 18 j 07:05	0°♑	
evening set	-10430 Feb 26 j 16:21	1°♑52'56	
conjunction	-10430 Mar 12 j 08:56	4°♑59'14	-1°29'09
minimum elong	-10430 Mar 12 j 09:00	4°♑59'17	1°29'44
max. Earth dist.	-10430 Mar 12 j 21:06	5°♑06'09	6.17630 AU
morning rise	-10430 Mar 26 j 00:12	8°♑04'46	
retrograde	-10430 Jul 28 j 16:28	26°♑32'07	
opposition	-10430 Sep 25 j 16:19	21°♑32'46	-1°47'09
min. Earth dist.	-10430 Sep 25 j 14:51	21°♑33'16	4.21745 AU
direct	-10430 Nov 24 j 23:55	16°♑28'46	
	-10429 Mar 09 j 20:42	0°♒	
evening set	-10429 Apr 02 j 21:15	5°♒13'24	
conjunction	-10429 Apr 16 j 10:02	8°♒15'00	-0°49'33
minimum elong	-10429 Apr 16 j 10:07	8°♒15'03	0°50'04
max. Earth dist.	-10429 Apr 16 j 02:53	8°♒10'59	6.25637 AU
morning rise	-10429 Apr 29 j 20:04	11°♒15'05	
	-10429 May 16 j 22:16	15°♒	

Attention, astronomical year style is used: The year -10429 in astronomical counting style is the year 10430 BCE in historical counting style.

retrograde	-10429 Aug 29 j 17:41	28°♒58'53	
opposition	-10429 Oct 28 j 02:46	24°♒03'15	-0°35'11
min. Earth dist.	-10429 Oct 28 j 12:28	24°♒00'02	4.29097 AU
direct	-10429 Dec 28 j 14:38	18°♒59'10	
	-10428 Mar 31 j 12:33	0°♓	
asc. node	-10428 Apr 15 j 21:17	3°♓09'24	
evening set	-10428 May 05 j 10:20	7°♓23'32	
conjunction	-10428 May 18 j 15:33	10°♓19'34	0°04'37
minimum elong	-10428 May 18 j 15:33	10°♓19'34	0°04'23
behind sun begin	-10428 May 18 j 07:35	10°♓15'09	
behind sun end	-10428 May 18 j 23:31	10°♓23'59	
max. Earth dist.	-10428 May 17 j 17:40	10°♓07'24	6.31832 AU
morning rise	-10428 May 31 j 17:11	13°♓13'48	
	-10428 Sep 10 j 20:52	0°♈	
retrograde	-10428 Sep 29 j 07:37	0°♈32'40	
	-10428 Oct 17 j 17:50	30°℞♓	
opposition	-10428 Nov 28 j 07:06	25°♓39'53	0°45'26
min. Earth dist.	-10428 Nov 29 j 01:45	25°♓33'51	4.33654 AU
direct	-10427 Jan 29 j 14:33	20°♓37'30	
	-10427 Apr 25 j 12:01	0°♈	
evening set	-10427 Jun 06 j 14:03	8°♈46'39	
max. Earth dist.	-10427 Jun 18 j 02:43	11°♈20'23	6.34345 AU
conjunction	-10427 Jun 19 j 09:31	11°♈37'32	0°56'30
minimum elong	-10427 Jun 19 j 09:26	11°♈37'30	0°56'33
morning rise	-10427 Jul 02 j 02:00	14°♈26'55	
	-10427 Sep 27 j 07:37	0°♉	
retrograde	-10427 Oct 31 j 01:59	1°♉44'47	
	-10427 Dec 04 j 02:38	30°℞♈	
opposition	-10427 Dec 30 j 17:52	26°♈53'06	1°52'05
min. Earth dist.	-10427 Dec 31 j 15:52	26°♈46'05	4.34069 AU
direct	-10426 Mar 03 j 06:11	21°♈53'26	
	-10426 May 21 j 00:01	0°♉	
evening set	-10426 Jul 07 j 21:42	9°♉55'57	
max. Earth dist.	-10426 Jul 19 j 04:34	12°♉27'49	6.32510 AU
conjunction	-10426 Jul 20 j 09:13	12°♉43'55	1°31'54
minimum elong	-10426 Jul 20 j 09:09	12°♉43'53	1°32'15
	-10426 Jul 30 j 11:17	15°♉	
morning rise	-10426 Aug 01 j 18:46	15°♉31'04	
	-10426 Oct 17 j 05:40	0°♊	
retrograde	-10426 Dec 02 j 15:12	3°♊10'11	
	-10425 Jan 19 j 03:29	30°℞♉	
opposition	-10425 Feb 01 j 21:29	28°♉17'49	2°26'41
min. Earth dist.	-10425 Feb 02 j 16:15	28°♉11'53	4.30211 AU
direct	-10425 Apr 04 j 22:47	23°♉21'16	
	-10425 Jun 13 j 14:02	0°♊	
evening set	-10425 Aug 08 j 01:31	11°♊25'44	
conjunction	-10425 Aug 20 j 10:07	14°♊14'34	1°40'39
minimum elong	-10425 Aug 20 j 10:08	14°♊14'35	1°41'12
max. Earth dist.	-10425 Aug 19 j 13:10	14°♊02'37	6.26841 AU
morning rise	-10425 Sep 01 j 18:54	17°♊03'35	
	-10425 Nov 04 j 21:52	0°♋	
retrograde	-10424 Jan 05 j 12:03	5°♋20'38	
opposition	-10424 Mar 07 j 00:34	0°♋25'47	2°17'47
min. Earth dist.	-10424 Mar 07 j 10:16	0°♋22'41	4.23125 AU
	-10424 Mar 10 j 09:34	30°℞♊	
direct	-10424 May 07 j 02:28	25°♊31'43	
	-10424 Jul 01 j 06:31	0°♋	
evening set	-10424 Sep 07 j 19:06	13°♋45'37	
conjunction	-10424 Sep 20 j 08:02	16°♋39'31	1°18'39
minimum elong	-10424 Sep 20 j 08:07	16°♋39'34	1°19'13
max. Earth dist.	-10424 Sep 20 j 03:42	16°♋37'01	6.18979 AU
morning rise	-10424 Oct 02 j 22:47	19°♋34'33	
	-10424 Nov 20 j 13:21	0°♌	
retrograde	-10423 Feb 08 j 16:23	8°♌36'22	
opposition	-10423 Apr 11 j 01:46	3°♌37'55	1°24'10
min. Earth dist.	-10423 Apr 10 j 22:34	3°♌38'57	4.14998 AU
	-10423 May 12 j 19:38	30°℞♋	
direct	-10423 Jun 09 j 21:15	28°♋45'03	
	-10423 Jul 07 j 18:03	0°♌	
	-10423 Oct 01 j 03:49	15°♌	
evening set	-10423 Oct 10 j 20:55	17°♌14'35	
conjunction	-10423 Oct 23 j 18:57	20°♌15'50	0°30'20
minimum elong	-10423 Oct 23 j 19:00	20°♌15'52	0°30'45
max. Earth dist.	-10423 Oct 24 j 07:36	20°♌23'14	6.11390 AU
morning rise	-10423 Nov 05 j 20:24	23°♌18'58	
	-10423 Dec 05 j 12:48	0°♍	
retrograde	-10422 Mar 16 j 19:45	12°♍59'19	
desc. node	-10422 May 15 j 16:26	8°♍05'00	
opposition	-10422 May 16 j 16:18	7°♍57'06	-0°00'14
min. Earth dist.	-10422 May 16 j 01:10	8°♍02'07	4.08529 AU
direct	-10422 Jul 14 j 09:13	3°♍03'26	
evening set	-10422 Nov 14 j 17:46	21°♍52'07	
conjunction	-10422 Nov 28 j 01:43	24°♍59'47	-0°29'38
minimum elong	-10422 Nov 28 j 01:40	24°♍59'45	0°29'32
max. Earth dist.	-10422 Nov 29 j 06:43	25°♍16'49	6.06673 AU
morning rise	-10422 Dec 11 j 13:02	28°♍09'18	
	-10422 Dec 19 j 12:05	0°♎	
retrograde	-10421 Apr 22 j 04:27	18°♎07'46	
min. Earth dist.	-10421 Jun 20 j 09:38	13°♎10'13	4.06094 AU
opposition	-10421 Jun 21 j 06:41	13°♎03'06	-1°26'13
direct	-10421 Aug 18 j 10:11	8°♎06'58	
evening set	-10421 Dec 21 j 05:22	27°♎11'48	
	-10420 Jan 02 j 05:51	0°♏	
conjunction	-10420 Jan 03 j 19:39	0°♏22'05	-1°19'24
minimum elong	-10420 Jan 03 j 19:33	0°♏22'01	1°19'39
max. Earth dist.	-10420 Jan 05 j 04:36	0°♏41'20	6.06624 AU
morning rise	-10420 Jan 17 j 12:34	3°♏33'37	
	-10420 Mar 10 j 16:29	15°♏	
retrograde	-10420 May 26 j 19:52	23°♏20'35	
min. Earth dist.	-10420 Jul 24 j 10:03	18°♏22'42	4.08570 AU
opposition	-10420 Jul 25 j 06:22	18°♏15'44	-2°20'31
	-10420 Aug 20 j 08:36	15°℞♏	
direct	-10420 Sep 21 j 14:52	13°♏16'10	
	-10420 Oct 24 j 03:24	15°♏	
	-10419 Jan 15 j 14:59	0°♐	
evening set	-10419 Jan 26 j 07:58	2°♐26'03	
conjunction	-10419 Feb 09 j 00:56	5°♐35'12	-1°39'58
minimum elong	-10419 Feb 09 j 00:55	5°♐35'11	1°40'28
max. Earth dist.	-10419 Feb 10 j 03:23	5°♐50'26	6.11288 AU
morning rise	-10419 Feb 22 j 18:19	8°♐44'28	
retrograde	-10419 Jun 30 j 06:33	27°♐53'20	
opposition	-10419 Aug 28 j 06:40	22°♐50'47	-2°23'38
min. Earth dist.	-10419 Aug 27 j 19:22	22°♐54'38	4.14989 AU
direct	-10419 Oct 26 j 13:16	17°♐48'12	
	-10418 Jan 31 j 13:47	0°♑	
evening set	-10418 Mar 03 j 18:35	6°♑48'23	
conjunction	-10418 Mar 17 j 10:49	9°♑54'01	-1°25'02
minimum elong	-10418 Mar 17 j 10:54	9°♑54'04	1°25'36
max. Earth dist.	-10418 Mar 17 j 20:18	9°♑59'24	6.18911 AU
morning rise	-10418 Mar 31 j 01:34	12°♑58'46	
	-10418 Jul 04 j 20:09	0°♒	
retrograde	-10418 Aug 02 j 05:17	1°♒18'34	
	-10418 Aug 30 j 11:15	30°℞♑	
opposition	-10418 Sep 30 j 07:13	26°♑19'40	-1°38'24

Attention, astronomical year style is used: The year -10418 in astronomical counting style is the year 10419 BCE in historical counting style.

min. Earth dist.	-10418 Sep 30 j 06:43	26°♑19'50	4.23038 AU
direct	-10418 Nov 29 j 18:30	21°♑15'28	
	-10417 Feb 18 j 23:26	0°♒	
evening set	-10417 Apr 07 j 17:07	9°♒56'28	
conjunction	-10417 Apr 21 j 05:02	12°♒57'13	-0°42'25
minimum elong	-10417 Apr 21 j 05:07	12°♒57'16	0°42'53
max. Earth dist.	-10417 Apr 20 j 19:24	12°♒51'50	6.26843 AU
	-10417 Apr 30 j 08:42	15°♒	
morning rise	-10417 May 04 j 14:01	15°♒56'23	
	-10417 Jul 16 j 19:40	0°♓	
retrograde	-10417 Sep 03 j 05:09	3°♓34'46	
	-10417 Oct 22 j 08:10	30°℞♒	
opposition	-10417 Nov 01 j 15:37	28°♒39'35	-0°23'48
min. Earth dist.	-10417 Nov 02 j 03:26	28°♒35'42	4.30094 AU
direct	-10416 Jan 02 j 07:42	23°♒35'39	
asc. node	-10416 Feb 24 j 12:06	27°♒34'42	
	-10416 Mar 11 j 06:47	0°♓	
evening set	-10416 May 10 j 00:24	11°♓56'54	
max. Earth dist.	-10416 May 22 j 04:03	14°♓38'37	6.32528 AU
conjunction	-10416 May 23 j 04:20	14°♓52'07	0°12'23
minimum elong	-10416 May 23 j 04:19	14°♓52'06	0°12'10
behind sun begin	-10416 May 22 j 22:52	14°♓49'05	
behind sun end	-10416 May 23 j 09:45	14°♓55'06	
morning rise	-10416 Jun 05 j 04:42	17°♓45'32	
	-10416 Aug 06 j 02:21	0°♈	
retrograde	-10416 Oct 03 j 17:14	5°♈02'31	
opposition	-10416 Dec 02 j 19:37	0°♈09'56	0°56'06
min. Earth dist.	-10416 Dec 03 j 14:57	0°♈03'42	4.34025 AU
	-10416 Dec 04 j 02:23	30°℞♓	
direct	-10415 Feb 03 j 04:33	25°♓07'49	
	-10415 Apr 03 j 20:13	0°♈	
evening set	-10415 Jun 11 j 00:25	13°♈15'27	
conjunction	-10415 Jun 23 j 18:38	16°♈05'45	1°02'44
minimum elong	-10415 Jun 23 j 18:33	16°♈05'42	1°02'50
max. Earth dist.	-10415 Jun 22 j 12:10	15°♈48'45	6.34355 AU
morning rise	-10415 Jul 06 j 09:49	18°♈54'36	
	-10415 Aug 30 j 04:30	0°♉	
retrograde	-10415 Nov 04 j 13:51	6°♉14'11	
opposition	-10414 Jan 04 j 08:09	1°♉22'33	1°59'12
min. Earth dist.	-10414 Jan 05 j 06:31	1°♉15'26	4.33734 AU
	-10414 Jan 15 j 07:02	30°℞♈	
direct	-10414 Mar 07 j 20:17	26°♈23'19	
	-10414 Apr 27 j 10:29	0°♉	
evening set	-10414 Jul 12 j 06:39	14°♉25'50	
	-10414 Jul 14 j 19:41	15°♉	
max. Earth dist.	-10414 Jul 23 j 11:50	16°♉57'06	6.31829 AU
conjunction	-10414 Jul 24 j 17:18	17°♉13'43	1°34'54
minimum elong	-10414 Jul 24 j 17:15	17°♉13'41	1°35'16
morning rise	-10414 Aug 06 j 02:31	20°♉00'55	
	-10414 Sep 22 j 23:48	0°♊	
retrograde	-10414 Dec 07 j 07:50	7°♊44'55	
opposition	-10413 Feb 06 j 15:15	2°♊52'16	2°28'13
min. Earth dist.	-10413 Feb 07 j 09:09	2°♊46'36	4.29247 AU
	-10413 Mar 02 j 20:54	30°℞♉	
direct	-10413 Apr 09 j 13:51	27°♉56'05	
	-10413 May 16 j 21:27	0°♊	
evening set	-10413 Aug 12 j 11:35	16°♊01'59	
conjunction	-10413 Aug 24 j 20:33	18°♊51'23	1°39'24
minimum elong	-10413 Aug 24 j 20:34	18°♊51'24	1°39'59
max. Earth dist.	-10413 Aug 24 j 02:45	18°♊41'12	6.25685 AU
morning rise	-10413 Sep 06 j 05:38	21°♊41'03	
	-10413 Oct 14 j 16:10	0°♋	

retrograde	-10412 Jan 10 j 09:30	10°♋04'43	
opposition	-10412 Mar 11 j 22:10	5°♋09'29	2°12'47
min. Earth dist.	-10412 Mar 12 j 06:12	5°♋06'56	4.21874 AU
direct	-10412 May 11 j 19:46	0°♋15'46	
evening set	-10412 Sep 12 j 09:23	18°♋32'00	
conjunction	-10412 Sep 24 j 23:15	21°♋26'52	1°13'11
minimum elong	-10412 Sep 24 j 23:20	21°♋26'55	1°13'44
max. Earth dist.	-10412 Sep 24 j 20:30	21°♋25'16	6.17762 AU
morning rise	-10412 Oct 07 j 15:27	24°♋23'02	
	-10412 Nov 01 j 15:13	0°♌	
retrograde	-10411 Feb 13 j 18:05	13°♌31'13	
opposition	-10411 Apr 16 j 02:14	8°♌32'13	1°13'33
min. Earth dist.	-10411 Apr 15 j 20:38	8°♌34'02	4.13926 AU
direct	-10411 Jun 14 j 17:14	3°♌39'22	
	-10411 Sep 13 j 16:15	15°♌	
evening set	-10411 Oct 15 j 16:45	22°♌11'25	
conjunction	-10411 Oct 28 j 16:22	25°♌13'42	0°22'07
minimum elong	-10411 Oct 28 j 16:25	25°♌13'43	0°22'30
max. Earth dist.	-10411 Oct 29 j 09:24	25°♌23'40	6.10600 AU
morning rise	-10411 Nov 10 j 19:14	28°♌17'50	
	-10411 Nov 18 j 03:50	0°♍	
retrograde	-10410 Mar 21 j 23:35	18°♍01'42	
desc. node	-10410 Mar 25 j 14:07	18°♍00'27	
opposition	-10410 May 21 j 17:33	12°♍59'03	-0°13'02
min. Earth dist.	-10410 May 21 j 01:18	13°♍04'26	4.08116 AU
direct	-10410 Jul 19 j 07:59	8°♍05'11	
evening set	-10410 Nov 19 j 19:12	26°♍55'31	
	-10410 Dec 02 j 21:54	0°♎	
conjunction	-10410 Dec 03 j 04:01	0°♎03'36	-0°37'45
minimum elong	-10410 Dec 03 j 03:57	0°♎03'33	0°37'40
max. Earth dist.	-10410 Dec 04 j 09:33	0°♎20'56	6.06655 AU
morning rise	-10410 Dec 16 j 16:30	3°♎13'32	
retrograde	-10409 Apr 27 j 04:11	23°♎10'57	
min. Earth dist.	-10409 Jun 25 j 07:17	18°♎13'37	4.06493 AU
opposition	-10409 Jun 26 j 05:30	18°♎06'05	-1°36'17
direct	-10409 Aug 23 j 08:47	13°♎09'29	
	-10409 Dec 16 j 15:39	0°♏	
evening set	-10409 Dec 26 j 09:16	2°♏14'26	
conjunction	-10408 Jan 09 j 00:08	5°♏24'33	-1°24'17
minimum elong	-10408 Jan 09 j 00:03	5°♏24'30	1°24'34
max. Earth dist.	-10408 Jan 10 j 09:55	5°♏44'14	6.07382 AU
morning rise	-10408 Jan 22 j 17:07	8°♏35'43	
	-10408 Feb 20 j 05:23	15°♏	
retrograde	-10408 May 31 j 17:05	28°♏17'21	
min. Earth dist.	-10408 Jul 29 j 06:35	23°♏19'01	4.09607 AU
opposition	-10408 Jul 30 j 01:01	23°♏12'42	-2°24'04
direct	-10408 Sep 26 j 12:50	18°♏12'40	
	-10408 Dec 29 j 03:14	0°♐	
evening set	-10407 Jan 31 j 10:06	7°♐20'47	
conjunction	-10407 Feb 14 j 03:03	10°♐29'24	-1°39'56
minimum elong	-10407 Feb 14 j 03:03	10°♐29'24	1°40'28
max. Earth dist.	-10407 Feb 15 j 03:02	10°♐43'11	6.12488 AU
morning rise	-10407 Feb 27 j 20:16	13°♐38'01	
	-10407 May 24 j 18:55	0°♑	
retrograde	-10407 Jul 04 j 19:58	2°♑39'30	
	-10407 Aug 14 j 16:46	30°℞♐	
opposition	-10407 Sep 01 j 20:50	27°♐37'25	-2°19'55
min. Earth dist.	-10407 Sep 01 j 10:31	27°♐40'56	4.16234 AU
direct	-10407 Oct 31 j 06:10	22°♐34'31	
	-10406 Jan 12 j 01:51	0°♑	
evening set	-10406 Mar 08 j 15:46	11°♑31'59	

Attention, astronomical year style is used: The year -10406 in astronomical counting style is the year 10407 BCE in historical counting style.

conjunction	-10406 Mar 22 j 07:33	14°♑36'58	-1°20'30
minimum elong	-10406 Mar 22 j 07:39	14°♑37'01	1°21'05
max. Earth dist.	-10406 Mar 22 j 13:09	14°♑40'08	6.20104 AU
morning rise	-10406 Apr 04 j 21:44	17°♑40'59	
	-10406 Jun 04 j 09:57	0°♒	
retrograde	-10406 Aug 06 j 16:44	5°♒54'26	
opposition	-10406 Oct 04 j 18:33	0°♒56'07	-1°29'22
min. Earth dist.	-10406 Oct 04 j 21:06	0°♒55'16	4.24049 AU
	-10406 Oct 11 j 18:41	30°℞♑	
direct	-10406 Dec 04 j 10:53	25°♑51'52	
	-10405 Jan 27 j 01:03	0°♒	
evening set	-10405 Apr 12 j 09:01	14°♒30'29	
	-10405 Apr 14 j 14:11	15°♒	
conjunction	-10405 Apr 25 j 20:12	17°♒30'38	-0°35'14
minimum elong	-10405 Apr 25 j 20:15	17°♒30'40	0°35'40
max. Earth dist.	-10405 Apr 25 j 08:05	17°♒23'52	6.27602 AU
morning rise	-10405 May 09 j 04:07	20°♒29'06	
	-10405 Jun 23 j 20:07	0°♓	
retrograde	-10405 Sep 07 j 12:52	8°♓04'07	
opposition	-10405 Nov 06 j 01:55	3°♓09'24	-0°12'37
min. Earth dist.	-10405 Nov 06 j 14:40	3°♓05'13	4.30554 AU
	-10405 Dec 02 j 03:03	30°℞♒	
asc. node	-10404 Jan 05 j 16:19	28°♒05'46	
direct	-10404 Jan 06 j 19:52	28°♒05'39	
	-10404 Feb 11 j 21:58	0°♓	
evening set	-10404 May 14 j 12:31	16°♓25'54	
conjunction	-10404 May 27 j 15:07	19°♓20'32	0°19'55
minimum elong	-10404 May 27 j 15:06	19°♓20'31	0°19'44
max. Earth dist.	-10404 May 26 j 12:54	19°♓05'56	6.32664 AU
morning rise	-10404 Jun 09 j 14:19	22°♓13'24	
	-10404 Jul 16 j 10:07	0°♈	
retrograde	-10404 Oct 08 j 04:15	9°♈30'41	
opposition	-10404 Dec 07 j 07:44	4°♈38'25	1°06'17
min. Earth dist.	-10404 Dec 08 j 04:40	4°♈31'40	4.33839 AU
	-10403 Jan 22 j 16:51	30°℞♓	
direct	-10403 Feb 07 j 18:36	29°♓36'41	
	-10403 Feb 23 j 20:26	0°♈	
evening set	-10403 Jun 15 j 10:20	17°♈44'34	
max. Earth dist.	-10403 Jun 26 j 20:17	20°♈17'11	6.33844 AU
conjunction	-10403 Jun 28 j 03:23	20°♈34'33	1°08'33
minimum elong	-10403 Jun 28 j 03:18	20°♈34'31	1°08'42
morning rise	-10403 Jul 10 j 17:36	23°♈23'11	
	-10403 Aug 10 j 14:00	0°♉	
retrograde	-10403 Nov 09 j 02:58	10°♉46'22	
opposition	-10402 Jan 08 j 23:38	5°♉54'40	2°05'37
min. Earth dist.	-10402 Jan 09 j 20:59	5°♉47'53	4.32970 AU
direct	-10402 Mar 12 j 09:42	0°♉55'53	
	-10402 Jun 28 j 13:16	15°♉	
evening set	-10402 Jul 16 j 16:39	18°♉59'38	
max. Earth dist.	-10402 Jul 27 j 23:58	21°♉32'27	6.30873 AU
conjunction	-10402 Jul 29 j 02:46	21°♉47'36	1°37'18
minimum elong	-10402 Jul 29 j 02:43	21°♉47'35	1°37'42
morning rise	-10402 Aug 10 j 11:28	24°♉35'00	
	-10402 Sep 04 j 05:19	0°♊	
retrograde	-10402 Dec 12 j 02:38	12°♊24'36	
opposition	-10401 Feb 11 j 10:48	7°♊31'44	2°28'47
min. Earth dist.	-10401 Feb 12 j 03:42	7°♊26'23	4.28172 AU
direct	-10401 Apr 14 j 06:50	2°♊35'59	
evening set	-10401 Aug 16 j 23:31	20°♊43'20	
conjunction	-10401 Aug 29 j 08:40	23°♊33'18	1°37'28
minimum elong	-10401 Aug 29 j 08:43	23°♊33'20	1°38'03
max. Earth dist.	-10401 Aug 28 j 16:09	23°♊23'50	6.24577 AU
morning rise	-10401 Sep 10 j 18:32	26°♊23'44	
	-10401 Sep 26 j 19:37	0°♋	
retrograde	-10400 Jan 15 j 08:08	14°♋53'31	
opposition	-10400 Mar 16 j 21:09	9°♋57'43	2°06'46
min. Earth dist.	-10400 Mar 17 j 02:22	9°♋56'04	4.20803 AU
direct	-10400 May 16 j 14:03	5°♋04'12	
evening set	-10400 Sep 17 j 00:39	23°♋21'50	
conjunction	-10400 Sep 29 j 15:49	26°♋17'38	1°07'09
minimum elong	-10400 Sep 29 j 15:54	26°♋17'41	1°07'42
max. Earth dist.	-10400 Sep 29 j 17:31	26°♋18'38	6.16831 AU
morning rise	-10400 Oct 12 j 09:12	29°♋14'47	
	-10400 Oct 15 j 15:44	0°♌	
	-10399 Jan 01 j 02:21	15°♌	
retrograde	-10399 Feb 18 j 20:44	18°♌27'53	
	-10399 Apr 09 j 04:32	15°℞♌	
opposition	-10399 Apr 21 j 03:03	13°♌28'19	1°02'20
min. Earth dist.	-10399 Apr 20 j 20:10	13°♌30'33	4.13181 AU
direct	-10399 Jun 19 j 14:57	8°♌35'27	
	-10399 Aug 24 j 06:17	15°♌	
evening set	-10399 Oct 20 j 13:06	27°♌08'52	
	-10399 Nov 01 j 17:31	0°♍	
conjunction	-10399 Nov 02 j 13:54	0°♍11'57	0°13'44
minimum elong	-10399 Nov 02 j 13:55	0°♍11'57	0°14'04
behind sun begin	-10399 Nov 02 j 09:49	0°♍09'34	
behind sun end	-10399 Nov 02 j 18:02	0°♍14'21	
max. Earth dist.	-10399 Nov 03 j 07:55	0°♍22'30	6.10094 AU
morning rise	-10399 Nov 15 j 18:22	3°♍16'58	