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

	-10900 Jan 13 j 03:15	0°♑	
evening set	-10900 Feb 28 j 20:11	5°♑10'23	
conjunction	-10900 Mar 17 j 19:02	7°♑25'48	-2°25'01
minimum elong	-10900 Mar 17 j 19:03	7°♑25'48	2°25'37
max. Earth dist.	-10900 Mar 18 j 22:32	7°♑34'31	10.25918 AU
morning rise	-10900 Apr 04 j 14:52	9°♑40'12	
retrograde	-10900 Jul 15 j 18:53	17°♑27'16	
opposition	-10900 Sep 20 j 14:40	14°♑01'41	-2°56'03
min. Earth dist.	-10900 Sep 19 j 18:59	14°♑05'40	8.34359 AU
direct	-10900 Nov 28 j 00:59	10°♑32'54	
evening set	-10899 Mar 14 j 01:27	18°♑28'19	
conjunction	-10899 Mar 31 j 21:33	20°♑40'17	-2°16'52
minimum elong	-10899 Mar 31 j 21:35	20°♑40'18	2°17'27
max. Earth dist.	-10899 Apr 01 j 21:05	20°♑47'36	10.42801 AU
morning rise	-10899 Apr 18 j 13:36	22°♑50'58	
	-10899 Jul 08 j 01:24	0°♒	
retrograde	-10899 Jul 28 j 13:11	0°♒22'50	
	-10899 Aug 18 j 01:34	30°℞♑	
opposition	-10899 Oct 03 j 15:02	26°♑59'22	-2°41'07
min. Earth dist.	-10899 Oct 02 j 23:15	27°♑02'31	8.51441 AU
direct	-10899 Dec 11 j 19:02	23°♑31'30	
	-10898 Mar 16 j 22:37	0°♒	
evening set	-10898 Mar 27 j 16:19	1°♒15'35	
conjunction	-10898 Apr 14 j 09:21	3°♒24'12	-2°02'09
minimum elong	-10898 Apr 14 j 09:24	3°♒24'13	2°02'41
max. Earth dist.	-10898 Apr 15 j 03:16	3°♒29'39	10.59947 AU
morning rise	-10898 May 01 j 21:44	5°♒31'21	
retrograde	-10898 Aug 09 j 19:29	12°♒49'11	
opposition	-10898 Oct 16 j 05:57	9°♒27'46	-2°19'05
min. Earth dist.	-10898 Oct 15 j 18:46	9°♒29'58	8.68360 AU
direct	-10898 Dec 25 j 03:38	6°♒01'01	
evening set	-10897 Apr 09 j 17:09	13°♒34'00	
	-10897 Apr 21 j 19:10	15°♒	
conjunction	-10897 Apr 27 j 06:55	15°♒39'26	-1°42'13
minimum elong	-10897 Apr 27 j 06:58	15°♒39'27	1°42'41
max. Earth dist.	-10897 Apr 27 j 18:14	15°♒42'50	10.76524 AU
morning rise	-10897 May 14 j 15:45	17°♒43'21	
retrograde	-10897 Aug 21 j 15:06	24°♒48'54	
opposition	-10897 Oct 28 j 12:17	21°♒29'23	-1°51'41
min. Earth dist.	-10897 Oct 28 j 05:13	21°♒30'45	8.84353 AU
direct	-10896 Jan 07 j 03:01	18°♒03'55	
evening set	-10896 Apr 21 j 05:17	25°♒26'35	
conjunction	-10896 May 08 j 15:46	27°♒29'07	-1°18'28
minimum elong	-10896 May 08 j 15:49	27°♒29'08	1°18'50
max. Earth dist.	-10896 May 08 j 21:08	27°♒30'42	10.91832 AU
morning rise	-10896 May 25 j 21:05	29°♒30'08	
	-10896 May 30 j 05:19	0°♓	
retrograde	-10896 Sep 01 j 05:23	6°♓25'28	
opposition	-10896 Nov 08 j 11:15	3°♓07'37	-1°20'35
min. Earth dist.	-10896 Nov 08 j 08:16	3°♓08'11	8.98775 AU
	-10896 Dec 31 j 01:00	30°℞♒	
direct	-10895 Jan 18 j 15:34	29°♒43'29	
	-10895 Feb 06 j 04:09	0°♓	
evening set	-10895 May 03 j 06:19	6°♓56'59	
conjunction	-10895 May 20 j 13:31	8°♓57'01	-0°52'08
minimum elong	-10895 May 20 j 13:33	8°♓57'01	0°52'24
max. Earth dist.	-10895 May 20 j 13:46	8°♓57'05	11.05274 AU
morning rise	-10895 Jun 06 j 15:17	10°♓55'30	
retrograde	-10895 Sep 12 j 12:35	17°♓42'48	
opposition	-10895 Nov 20 j 04:36	14°♓26'23	-0°47'15
min. Earth dist.	-10895 Nov 20 j 06:21	14°♓26'03	9.11091 AU
direct	-10894 Jan 30 j 18:52	11°♓03'33	
evening set	-10894 May 14 j 22:18	18°♓09'24	
conjunction	-10894 Jun 01 j 01:55	20°♓07'13	-0°24'23
minimum elong	-10894 Jun 01 j 01:56	20°♓07'13	0°24'33
max. Earth dist.	-10894 May 31 j 20:46	20°♓05'44	11.16370 AU
morning rise	-10894 Jun 18 j 00:15	22°♓03'35	
retrograde	-10894 Sep 23 j 16:21	28°♓45'09	
opposition	-10894 Dec 01 j 17:52	25°♓29'51	-0°12'56
min. Earth dist.	-10894 Dec 02 j 00:57	25°♓28'32	9.20895 AU
direct	-10893 Feb 11 j 16:10	22°♓08'15	
asc. node	-10893 Apr 21 j 20:42	25°♓34'46	
evening set	-10893 May 26 j 06:59	29°♓08'00	
	-10893 Jun 02 j 23:03	0°♈	
conjunction	-10893 Jun 12 j 06:53	1°♈04'00	0°03'52
minimum elong	-10893 Jun 12 j 06:52	1°♈04'00	0°03'49
behind sun begin	-10893 Jun 11 j 23:56	1°♈02'02	
behind sun end	-10893 Jun 12 j 13:49	1°♈05'58	
max. Earth dist.	-10893 Jun 11 j 19:35	1°♈00'47	11.24775 AU
morning rise	-10893 Jun 29 j 02:06	2°♈58'42	
retrograde	-10893 Oct 04 j 16:13	9°♈36'47	
opposition	-10893 Dec 13 j 04:26	6°♈22'14	0°21'14
min. Earth dist.	-10893 Dec 13 j 15:47	6°♈20'09	9.27880 AU
direct	-10892 Feb 23 j 07:01	3°♈01'43	
evening set	-10892 Jun 05 j 09:59	9°♈57'01	
conjunction	-10892 Jun 22 j 06:23	11°♈51'36	0°31'31
minimum elong	-10892 Jun 22 j 06:21	11°♈51'36	0°31'35
max. Earth dist.	-10892 Jun 21 j 14:33	11°♈47'06	11.30226 AU
morning rise	-10892 Jul 08 j 22:37	13°♈45'05	
retrograde	-10892 Oct 14 j 17:53	20°♈21'56	
opposition	-10892 Dec 23 j 13:50	17°♈07'45	0°54'16
min. Earth dist.	-10892 Dec 24 j 04:24	17°♈05'06	9.31812 AU
direct	-10891 Mar 05 j 20:15	13°♈48'08	
evening set	-10891 Jun 16 j 09:27	20°♈40'40	
max. Earth dist.	-10891 Jul 02 j 07:30	22°♈28'50	11.32537 AU
conjunction	-10891 Jul 03 j 02:32	22°♈34'16	0°57'54
minimum elong	-10891 Jul 03 j 02:30	22°♈34'16	0°58'05
morning rise	-10891 Jul 19 j 15:50	24°♈26'56	
	-10891 Sep 19 j 04:27	0°♉	
retrograde	-10891 Oct 25 j 20:43	1°♉04'42	
	-10891 Dec 02 j 09:51	30°℞♈	
opposition	-10890 Jan 03 j 23:37	27°♈50'31	1°25'16
min. Earth dist.	-10890 Jan 04 j 17:43	27°♈47'14	9.32558 AU
direct	-10890 Mar 17 j 03:55	24°♈31'36	
	-10890 Jun 14 j 15:27	0°♉	
evening set	-10890 Jun 27 j 07:05	1°♉23'01	
conjunction	-10890 Jul 13 j 21:00	3°♉16'05	1°22'14
minimum elong	-10890 Jul 13 j 20:57	3°♉16'04	1°22'32
max. Earth dist.	-10890 Jul 12 j 22:04	3°♉09'31	11.31635 AU
morning rise	-10890 Jul 30 j 07:57	5°♉08'26	
retrograde	-10890 Nov 06 j 01:20	11°♉49'14	
opposition	-10889 Jan 15 j 11:29	8°♉34'41	1°53'23
min. Earth dist.	-10889 Jan 16 j 09:08	8°♉30'46	9.30087 AU
direct	-10889 Mar 28 j 11:21	5°♉16'09	
evening set	-10889 Jul 08 j 04:27	12°♉08'10	
conjunction	-10889 Jul 24 j 15:37	14°♉01'09	1°43'46
minimum elong	-10889 Jul 24 j 15:33	14°♉01'09	1°44'09
max. Earth dist.	-10889 Jul 23 j 13:12	13°♉53'33	11.27522 AU

Attention, astronomical year style is used: The year -10889 in astronomical counting style is the year 10890 BCE in historical counting style.

	-10889 Aug 02 j 04:12	15°♉		
morning rise	-10889 Aug 10 j 00:54	15°♉53'42		
retrograde	-10889 Nov 17 j 10:50	22°♉39'39		
opposition	-10888 Jan 27 j 02:32	19°♉24'19	2°17'47	
min. Earth dist.	-10888 Jan 28 j 02:37	19°♉19'56	9.24415 AU	
direct	-10888 Apr 07 j 20:21	16°♉05'56		
evening set	-10888 Jul 18 j 03:22	23°♉00'11		
max. Earth dist.	-10888 Aug 02 j 08:45	24°♉45'33	11.20251 AU	
conjunction	-10888 Aug 03 j 12:38	24°♉53'40	2°01'49	
minimum elong	-10888 Aug 03 j 12:34	24°♉53'39	2°02'16	
morning rise	-10888 Aug 19 j 20:46	26°♉46'56		
	-10888 Sep 19 j 03:32	0°♊		
retrograde	-10888 Nov 28 j 03:09	3°♊40'04		
opposition	-10887 Feb 06 j 22:04	0°♊23'37	2°37'36	
min. Earth dist.	-10887 Feb 07 j 22:58	0°♊19'04	9.15634 AU	
	-10887 Feb 12 j 07:54	30°℞♉		
direct	-10887 Apr 19 j 06:50	27°♉05'10		
	-10887 Jun 20 j 04:04	0°♊		
evening set	-10887 Jul 29 j 05:38	4°♊03'23		
max. Earth dist.	-10887 Aug 13 j 09:10	5°♊49'29	11.09990 AU	
conjunction	-10887 Aug 14 j 13:48	5°♊57'55	2°15'38	
minimum elong	-10887 Aug 14 j 13:46	5°♊57'54	2°16'08	
morning rise	-10887 Aug 30 j 21:37	7°♊52'30		
retrograde	-10887 Dec 10 j 05:29	14°♊54'50		
opposition	-10886 Feb 19 j 00:05	11°♊36'59	2°51'58	
min. Earth dist.	-10886 Feb 20 j 01:19	11°♊32'20	9.04010 AU	
direct	-10886 Apr 30 j 20:40	8°♊18'14		
evening set	-10886 Aug 09 j 13:02	15°♊21'58		
conjunction	-10886 Aug 25 j 20:57	17°♊18'08	2°24'29	
minimum elong	-10886 Aug 25 j 20:56	17°♊18'07	2°25'03	
max. Earth dist.	-10886 Aug 24 j 15:42	17°♊09'23	10.97114 AU	
morning rise	-10886 Sep 11 j 05:43	19°♊14'41		
retrograde	-10886 Dec 22 j 14:43	26°♊28'00		
opposition	-10885 Mar 03 j 09:42	23°♊08'27	2°59'58	
min. Earth dist.	-10885 Mar 04 j 10:46	23°♊03'48	8.89995 AU	
direct	-10885 May 12 j 14:42	19°♊49'09		
evening set	-10885 Aug 21 j 03:28	26°♊59'53		
max. Earth dist.	-10885 Sep 05 j 07:59	28°♊49'40	10.82132 AU	
conjunction	-10885 Sep 06 j 12:22	28°♊58'17	2°27'41	
minimum elong	-10885 Sep 06 j 12:22	28°♊58'17	2°28'18	
	-10885 Sep 14 j 23:58	0°♋		
morning rise	-10885 Sep 22 j 23:19	0°♋57'23		
retrograde	-10884 Jan 04 j 11:11	8°♋23'14		
opposition	-10884 Mar 15 j 03:39	5°♋01'44	3°00'40	
min. Earth dist.	-10884 Mar 16 j 03:18	4°♋57'17	8.74146 AU	
direct	-10884 May 23 j 17:44	1°♋41'39		
evening set	-10884 Sep 01 j 02:30	9°♋00'38		
conjunction	-10884 Sep 17 j 13:49	11°♋01'54	2°24'34	
minimum elong	-10884 Sep 17 j 13:51	11°♋01'55	2°25'11	
max. Earth dist.	-10884 Sep 16 j 12:40	10°♋54'07	10.65635 AU	
morning rise	-10884 Oct 04 j 04:03	13°♋04'10		
retrograde	-10883 Jan 16 j 20:30	20°♋43'42		
opposition	-10883 Mar 28 j 07:01	17°♋20'06	2°53'17	
min. Earth dist.	-10883 Mar 29 j 03:12	17°♋16'14	8.57109 AU	
direct	-10883 Jun 05 j 04:04	13°♋59'04		
evening set	-10883 Sep 13 j 11:49	21°♋27'21		
max. Earth dist.	-10883 Sep 29 j 06:09	23°♋25'30	10.48325 AU	
conjunction	-10883 Sep 30 j 02:50	23°♋32'01	2°14'38	
minimum elong	-10883 Sep 30 j 02:53	23°♋32'01	2°15'13	
morning rise	-10883 Oct 16 j 21:33	25°♋37'58		
	-10883 Nov 24 j 16:49	0°♌		

retrograde	-10882 Jan 30 j 17:26	3°♌31'54		
opposition	-10882 Apr 10 j 20:18	0°♌06'07	2°37'11	
min. Earth dist.	-10882 Apr 11 j 11:45	0°♌03'07	8.39651 AU	
	-10882 Apr 12 j 03:51	30°℞♋		
direct	-10882 Jun 17 j 23:16	26°♋44'01		
	-10882 Aug 19 j 00:27	0°♌		
evening set	-10882 Sep 26 j 09:21	4°♌22'24		
conjunction	-10882 Oct 13 j 05:11	6°♌30'55	1°57'38	
minimum elong	-10882 Oct 13 j 05:14	6°♌30'56	1°58'10	
max. Earth dist.	-10882 Oct 12 j 13:26	6°♌25'52	10.31021 AU	
morning rise	-10882 Oct 30 j 05:38	8°♌40'59		
	-10882 Dec 29 j 06:25	15°♌		
retrograde	-10881 Feb 14 j 02:37	16°♌49'18		
	-10881 Apr 03 j 01:55	15°℞♌		
opposition	-10881 Apr 24 j 19:21	13°♌21'24	2°12'10	
min. Earth dist.	-10881 Apr 25 j 05:34	13°♌19'23	8.22641 AU	
direct	-10881 Jul 01 j 04:31	9°♌58'07		
	-10881 Sep 17 j 00:15	15°♌		
evening set	-10881 Oct 09 j 20:14	17°♌47'05		
conjunction	-10881 Oct 26 j 21:48	19°♌59'41	1°33'44	
minimum elong	-10881 Oct 26 j 21:52	19°♌59'42	1°34'09	
max. Earth dist.	-10881 Oct 26 j 11:38	19°♌56'22	10.14620 AU	
morning rise	-10881 Nov 13 j 04:50	22°♌14'06		
	-10880 Feb 02 j 16:24	0°♍		
retrograde	-10880 Feb 28 j 22:57	0°♍35'57		
	-10880 Mar 26 j 08:36	30°℞♌		
opposition	-10880 May 08 j 03:48	27°♌06'09	1°38'41	
min. Earth dist.	-10880 May 08 j 08:39	27°♌05'10	8.07009 AU	
direct	-10880 Jul 13 j 20:08	23°♌41'36		
	-10880 Oct 09 j 13:45	0°♍		
evening set	-10880 Oct 22 j 21:09	1°♍41'08		
conjunction	-10880 Nov 09 j 05:00	3°♍57'48	1°03'40	
minimum elong	-10880 Nov 09 j 05:03	3°♍57'49	1°03'57	
max. Earth dist.	-10880 Nov 09 j 01:52	3°♍56'46	10.00055 AU	
morning rise	-10880 Nov 26 j 18:49	6°♍16'24		
retrograde	-10879 Mar 15 j 04:25	14°♍50'02		
opposition	-10879 May 22 j 20:22	11°♍18'37	0°57'59	
min. Earth dist.	-10879 May 22 j 19:25	11°♍18'49	7.93708 AU	
direct	-10879 Jul 27 j 22:39	7°♍52'50		
evening set	-10879 Nov 06 j 12:12	16°♍02'18		
conjunction	-10879 Nov 24 j 02:25	18°♍22'39	0°28'50	
minimum elong	-10879 Nov 24 j 02:26	18°♍22'39	0°29'00	
max. Earth dist.	-10879 Nov 24 j 07:11	18°♍24'14	9.88260 AU	
morning rise	-10879 Dec 11 j 22:33	20°♍44'56		
retrograde	-10878 Mar 30 j 15:48	29°♍27'30		
opposition	-10878 Jun 06 j 19:04	25°♍54'52	0°12'21	
min. Earth dist.	-10878 Jun 06 j 12:06	25°♍56'19	7.83635 AU	
direct	-10878 Aug 11 j 12:03	22°♍27'53		
desc. node	-10878 Sep 13 j 06:33	23°♍29'52		
	-10878 Nov 15 j 19:55	0°♎		
evening set	-10878 Nov 21 j 16:20	0°♎45'58		
conjunction	-10878 Dec 09 j 12:17	3°♎09'16	-0°08'40	
minimum elong	-10878 Dec 09 j 12:16	3°♎09'16	0°08'39	
behind sun begin	-10878 Dec 09 j 05:56	3°♎07'09		
behind sun end	-10878 Dec 09 j 18:36	3°♎11'23		
max. Earth dist.	-10878 Dec 10 j 01:09	3°♎13'36	9.80053 AU	
morning rise	-10878 Dec 27 j 13:36	5°♎34'19		
retrograde	-10877 Apr 15 j 05:48	14°♎22'01		
opposition	-10877 Jun 21 j 21:27	10°♎48'41	-0°35'05	
min. Earth dist.	-10877 Jun 21 j 08:38	10°♎51'22	7.77508 AU	
direct	-10877 Aug 26 j 09:08	7°♎20'39		
evening set	-10877 Dec 07 j 07:10	15°♎45'15		

Attention, astronomical year style is used: The year -10877 in astronomical counting style is the year 10878 BCE in historical counting style.

conjunction	-10877 Dec 25 j 07:30	18°♎10'23	-0°46'00
minimum elong	-10877 Dec 25 j 07:27	18°♎10'22	0°46'09
max. Earth dist.	-10877 Dec 26 j 04:00	18°♎17'19	9.76044 AU
morning rise	-10876 Jan 12 j 12:14	20°♎36'55	
retrograde	-10876 Apr 29 j 19:11	29°♎25'19	
min. Earth dist.	-10876 Jul 05 j 06:19	25°♎55'41	7.75800 AU
opposition	-10876 Jul 06 j 00:25	25°♎51'52	-1°20'36
direct	-10876 Sep 09 j 11:19	22°♎22'58	
	-10876 Dec 15 j 16:00	0°♏	
evening set	-10876 Dec 22 j 04:47	0°♏51'19	
conjunction	-10875 Jan 09 j 07:53	3°♏16'58	-1°20'24
minimum elong	-10875 Jan 09 j 07:49	3°♏16'57	1°20'41
max. Earth dist.	-10875 Jan 10 j 10:41	3°♏26'00	9.76572 AU
morning rise	-10875 Jan 27 j 14:07	5°♏43'36	
retrograde	-10875 May 15 j 04:10	14°♏28'02	
min. Earth dist.	-10875 Jul 20 j 03:00	10°♏59'43	7.78662 AU
opposition	-10875 Jul 21 j 01:01	10°♏55'04	-2°00'28
direct	-10875 Sep 24 j 15:43	7°♏25'33	
	-10875 Dec 31 j 05:03	15°♏	
evening set	-10874 Jan 07 j 04:32	15°♏54'21	
conjunction	-10874 Jan 25 j 08:44	18°♏19'15	-1°49'09
minimum elong	-10874 Jan 25 j 08:39	18°♏19'14	1°49'34
max. Earth dist.	-10874 Jan 26 j 15:47	18°♏29'38	9.81619 AU
morning rise	-10874 Feb 12 j 14:36	20°♏44'36	
retrograde	-10874 May 30 j 05:29	29°♏20'43	
opposition	-10874 Aug 04 j 20:20	25°♏48'49	-2°31'40
min. Earth dist.	-10874 Aug 03 j 20:15	25°♏53'53	7.85878 AU
direct	-10874 Oct 09 j 19:26	22°♏18'58	
	-10873 Jan 17 j 05:45	0°♐	
evening set	-10873 Jan 23 j 01:28	0°♐44'52	
conjunction	-10873 Feb 10 j 05:12	3°♐07'51	-2°10'16
minimum elong	-10873 Feb 10 j 05:09	3°♐07'50	2°10'47
max. Earth dist.	-10873 Feb 11 j 14:10	3°♐18'45	9.90807 AU
morning rise	-10873 Feb 28 j 09:09	5°♐30'48	
retrograde	-10873 Jun 13 j 20:33	13°♐55'00	
min. Earth dist.	-10873 Aug 18 j 07:29	10°♐29'48	7.96913 AU
opposition	-10873 Aug 19 j 07:54	10°♐24'42	-2°52'13
direct	-10873 Oct 24 j 20:44	6°♐54'52	
evening set	-10872 Feb 07 j 14:42	15°♐14'40	
conjunction	-10872 Feb 25 j 16:52	17°♐34'55	-2°22'38
minimum elong	-10872 Feb 25 j 16:50	17°♐34'54	2°23'14
max. Earth dist.	-10872 Feb 27 j 01:24	17°♐45'29	10.03478 AU
morning rise	-10872 Mar 14 j 17:54	19°♐54'40	
retrograde	-10872 Jun 26 j 21:53	28°♐04'32	
min. Earth dist.	-10872 Aug 31 j 10:59	24°♐40'59	8.10997 AU
opposition	-10872 Sep 01 j 10:10	24°♐36'11	-3°01'28
direct	-10872 Nov 07 j 16:04	21°♐06'44	
evening set	-10871 Feb 21 j 16:27	29°♐17'50	
	-10871 Feb 27 j 06:30	0°♑	
conjunction	-10871 Mar 11 j 16:21	1°♑34'49	-2°26'08
minimum elong	-10871 Mar 11 j 16:21	1°♑34'49	2°26'44
max. Earth dist.	-10871 Mar 12 j 22:11	1°♑44'20	10.18767 AU
morning rise	-10871 Mar 29 j 13:59	3°♑50'56	
retrograde	-10871 Jul 10 j 09:12	11°♑45'17	
min. Earth dist.	-10871 Sep 14 j 04:58	8°♑23'24	8.27195 AU
opposition	-10871 Sep 15 j 02:03	8°♑19'06	-2°59'51
direct	-10871 Nov 22 j 02:58	4°♑50'21	
evening set	-10870 Mar 08 j 04:47	12°♑50'58	
conjunction	-10870 Mar 26 j 02:02	15°♑04'28	-2°21'20
minimum elong	-10870 Mar 26 j 02:03	15°♑04'29	2°21'56
max. Earth dist.	-10870 Mar 27 j 03:37	15°♑12'29	10.35690 AU
morning rise	-10870 Apr 12 j 19:58	17°♑16'49	
retrograde	-10870 Jul 23 j 08:06	24°♑55'32	
opposition	-10870 Sep 28 j 07:20	21°♑31'34	-2°48'39
min. Earth dist.	-10870 Sep 27 j 12:59	21°♑35'15	8.44514 AU
direct	-10870 Dec 06 j 03:11	18°♑03'46	
evening set	-10869 Mar 22 j 02:31	25°♑52'59	
conjunction	-10869 Apr 08 j 20:54	28°♑03'02	-2°09'22
minimum elong	-10869 Apr 08 j 20:57	28°♑03'03	2°09'55
max. Earth dist.	-10869 Apr 09 j 17:43	28°♑09'25	10.53252 AU
	-10869 Apr 24 j 20:10	0°♒	
morning rise	-10869 Apr 26 j 11:03	0°♒11'42	
retrograde	-10869 Aug 04 j 20:30	7°♒35'37	
min. Earth dist.	-10869 Oct 10 j 11:53	4°♒16'43	8.61987 AU
opposition	-10869 Oct 11 j 02:41	4°♒13'48	-2°29'32
direct	-10869 Dec 19 j 16:25	0°♒47'08	
evening set	-10868 Apr 03 j 09:39	8°♒24'49	
conjunction	-10868 Apr 21 j 01:00	10°♒31'34	-1°51'34
minimum elong	-10868 Apr 21 j 01:04	10°♒31'35	1°52'03
max. Earth dist.	-10868 Apr 21 j 16:31	10°♒36'14	10.70497 AU
morning rise	-10868 May 08 j 11:22	12°♒36'47	
	-10868 May 29 j 13:15	15°♒	
retrograde	-10868 Aug 15 j 21:32	19°♒47'27	
opposition	-10868 Oct 22 j 12:50	16°♒27'38	-2°04'18
min. Earth dist.	-10868 Oct 22 j 03:00	16°♒29'33	8.78704 AU
	-10868 Nov 11 j 00:08	15°℞♒	
direct	-10868 Dec 31 j 19:26	13°♒02'10	
	-10867 Feb 19 j 21:52	15°♒	
evening set	-10867 Apr 16 j 03:35	20°♒29'02	
conjunction	-10867 May 03 j 15:41	22°♒32'44	-1°29'21
minimum elong	-10867 May 03 j 15:44	22°♒32'45	1°29'45
max. Earth dist.	-10867 May 04 j 00:46	22°♒35'26	10.86559 AU
morning rise	-10867 May 20 j 22:26	24°♒34'53	
	-10867 Jul 15 j 09:43	0°♓	
retrograde	-10867 Aug 27 j 14:40	1°♓34'17	
	-10867 Oct 10 j 19:16	30°℞♒	
opposition	-10867 Nov 03 j 15:00	28°♒16'16	-1°34'40
min. Earth dist.	-10867 Nov 03 j 10:57	28°♒17'02	8.93894 AU
direct	-10866 Jan 13 j 11:52	24°♒52'03	
	-10866 Apr 08 j 21:17	0°♓	
evening set	-10866 Apr 28 j 09:48	2°♓09'15	
conjunction	-10866 May 15 j 18:24	4°♓10'16	-1°04'01
minimum elong	-10866 May 15 j 18:27	4°♓10'17	1°04'19
max. Earth dist.	-10866 May 15 j 20:05	4°♓10'46	11.00778 AU
morning rise	-10866 Jun 01 j 21:45	6°♓09'45	
retrograde	-10866 Sep 07 j 23:04	13°♓00'09	
opposition	-10866 Nov 15 j 10:54	9°♓43'36	-1°02'10
min. Earth dist.	-10866 Nov 15 j 11:53	9°♓43'25	9.07011 AU
direct	-10865 Jan 25 j 20:05	6°♓20'36	
evening set	-10865 May 10 j 05:46	13°♓29'31	
conjunction	-10865 May 27 j 10:51	15°♓28'11	-0°36'46
minimum elong	-10865 May 27 j 10:52	15°♓28'11	0°36'58
max. Earth dist.	-10865 May 27 j 06:17	15°♓26'52	11.12707 AU
morning rise	-10865 Jun 13 j 10:50	17°♓25'23	
retrograde	-10865 Sep 19 j 04:29	24°♓09'06	
opposition	-10865 Nov 27 j 01:52	20°♓53'38	-0°28'10
min. Earth dist.	-10865 Nov 27 j 06:55	20°♓52'42	9.17664 AU
direct	-10864 Feb 06 j 21:55	17°♓31'46	
evening set	-10864 May 20 j 17:32	24°♓33'53	
conjunction	-10864 Jun 06 j 19:11	26°♓30'36	-0°08'43
minimum elong	-10864 Jun 06 j 19:11	26°♓30'36	0°08'49
behind sun begin	-10864 Jun 06 j 13:07	26°♓28'52	

Attention, astronomical year style is used: The year -10864 in astronomical counting style is the year 10865 BCE in historical counting style.

behind sun end	-10864 Jun 07	j 01:15	26°♓32'19	
max. Earth dist.	-10864 Jun 06	j 09:59	26°♓27'58	11.21998 AU
morning rise	-10864 Jun 23	j 15:47	28°♓25'57	
	-10864 Jul 07	j 23:34	0°♈	
retrograde	-10864 Sep 29	j 06:55	5°♈05'09	
asc. node	-10864 Oct 01	j 07:30	5°♈04'57	
opposition	-10864 Dec 07	j 13:16	1°♈50'27	0°06'10
min. Earth dist.	-10864 Dec 07	j 22:57	1°♈48'40	9.25550 AU
	-10863 Jan 03	j 01:12	30°℞♓	
direct	-10863 Feb 17	j 14:50	28°♓29'33	
	-10863 Apr 03	j 08:18	0°♈	
evening set	-10863 May 31	j 22:57	5°♈26'28	
conjunction	-10863 Jun 17	j 21:03	7°♈21'37	0°19'21
minimum elong	-10863 Jun 17	j 21:02	7°♈21'37	0°19'21
max. Earth dist.	-10863 Jun 17	j 06:49	7°♈17'34	11.28384 AU
morning rise	-10863 Jul 04	j 14:28	9°♈15'34	
retrograde	-10863 Oct 10	j 07:11	15°♈52'31	
opposition	-10863 Dec 18	j 23:00	12°♈38'11	0°39'47
min. Earth dist.	-10863 Dec 19	j 13:31	12°♈35'32	9.30449 AU
direct	-10862 Mar 01	j 04:02	9°♈18'03	
evening set	-10862 Jun 11	j 23:46	16°♈11'29	
conjunction	-10862 Jun 28	j 18:14	18°♈05'28	0°46'22
minimum elong	-10862 Jun 28	j 18:12	18°♈05'28	0°46'30
max. Earth dist.	-10862 Jun 27	j 22:49	17°♈59'56	11.31698 AU
morning rise	-10862 Jul 15	j 08:52	19°♈58'26	
retrograde	-10862 Oct 21	j 07:07	26°♈35'22	
opposition	-10862 Dec 30	j 08:20	23°♈21'01	1°11'46
min. Earth dist.	-10862 Dec 31	j 02:40	23°♈17'40	9.32230 AU
direct	-10861 Mar 12	j 14:03	20°♈01'28	
evening set	-10861 Jun 22	j 21:41	26°♈53'06	
conjunction	-10861 Jul 09	j 12:57	28°♈46'21	1°11'41
minimum elong	-10861 Jul 09	j 12:54	28°♈46'20	1°11'56
max. Earth dist.	-10861 Jul 08	j 14:09	28°♈39'50	11.31860 AU
	-10861 Jul 20	j 07:17	0°♉	
morning rise	-10861 Jul 26	j 01:03	0°♉38'48	
retrograde	-10861 Nov 01	j 10:38	7°♉17'53	
opposition	-10860 Jan 10	j 18:37	4°♉03'08	1°41'15
min. Earth dist.	-10860 Jan 11	j 15:13	3°♉59'24	9.30848 AU
direct	-10860 Mar 22	j 22:51	0°♉43'59	
evening set	-10860 Jul 02	j 18:29	7°♉35'30	
max. Earth dist.	-10860 Jul 18	j 06:09	9°♉21'22	11.28865 AU
conjunction	-10860 Jul 19	j 07:02	9°♉28'31	1°34'32
minimum elong	-10860 Jul 19	j 06:59	9°♉28'30	1°34'54
morning rise	-10860 Aug 04	j 16:58	11°♉20'56	
	-10860 Sep 09	j 04:09	15°♉	
retrograde	-10860 Nov 11	j 18:35	18°♉04'15	
	-10859 Jan 18	j 18:07	15°℞♉	
opposition	-10859 Jan 21	j 07:36	14°♉48'50	2°07'25
min. Earth dist.	-10859 Jan 22	j 06:23	14°♉44'41	9.26335 AU
direct	-10859 Apr 03	j 05:43	11°♉29'54	
	-10859 Jun 11	j 08:52	15°♉	
evening set	-10859 Jul 13	j 16:11	18°♉22'57	
max. Earth dist.	-10859 Jul 28	j 22:55	20°♉08'17	11.22802 AU
conjunction	-10859 Jul 30	j 02:19	20°♉16'13	1°54'14
minimum elong	-10859 Jul 30	j 02:16	20°♉16'12	1°54'39
morning rise	-10859 Aug 15	j 10:49	22°♉09'09	
retrograde	-10859 Nov 23	j 06:34	28°♉58'47	
opposition	-10858 Feb 02	j 00:47	25°♉42'22	2°29'24
min. Earth dist.	-10858 Feb 03	j 01:44	25°♉37'49	9.18831 AU
direct	-10858 Apr 14	j 13:59	22°♉23'26	
evening set	-10858 Jul 24	j 16:27	29°♉19'45	
	-10858 Jul 30	j 12:11	0°♊	

max. Earth dist.	-10858 Aug 08	j 19:45	1°♊05'14	11.13869 AU
conjunction	-10858 Aug 10	j 00:54	1°♊13'46	2°10'02
minimum elong	-10858 Aug 10	j 00:52	1°♊13'46	2°10'31
morning rise	-10858 Aug 26	j 08:53	3°♊07'46	
retrograde	-10858 Dec 05	j 03:15	10°♊05'42	
opposition	-10857 Feb 13	j 23:31	6°♊48'01	2°46'21
min. Earth dist.	-10857 Feb 15	j 01:11	6°♊43'19	9.08569 AU
direct	-10857 Apr 26	j 02:34	3°♊28'55	
evening set	-10857 Aug 04	j 20:51	10°♊30'01	
max. Earth dist.	-10857 Aug 20	j 00:11	12°♊16'55	11.02332 AU
conjunction	-10857 Aug 21	j 04:47	12°♊25'25	2°21'13
minimum elong	-10857 Aug 21	j 04:45	12°♊25'24	2°21'46
morning rise	-10857 Sep 06	j 13:05	14°♊21'03	
retrograde	-10857 Dec 17	j 08:08	21°♊29'09	
opposition	-10856 Feb 26	j 05:02	18°♊09'57	2°57'19
min. Earth dist.	-10856 Feb 27	j 05:43	18°♊05'23	8.95853 AU
direct	-10856 May 06	j 18:29	14°♊50'31	
evening set	-10856 Aug 15	j 07:30	21°♊57'55	
conjunction	-10856 Aug 31	j 15:57	23°♊55'16	2°27'04
minimum elong	-10856 Aug 31	j 15:57	23°♊55'16	2°27'39
max. Earth dist.	-10856 Aug 30	j 12:47	23°♊47'05	10.88551 AU
morning rise	-10856 Sep 17	j 01:37	25°♊53'08	
	-10856 Oct 25	j 08:33	0°♋	
retrograde	-10856 Dec 29	j 01:00	3°♋13'04	
	-10855 Mar 08	j 00:43	30°℞♊	
opposition	-10855 Mar 09	j 18:36	29°♊52'10	3°01'25
min. Earth dist.	-10855 Mar 10	j 17:23	29°♊47'54	8.81110 AU
direct	-10855 May 18	j 17:00	26°♊32'14	
	-10855 Jul 23	j 17:25	0°♋	
evening set	-10855 Aug 27	j 02:09	3°♋47'17	
max. Earth dist.	-10855 Sep 11	j 10:28	5°♋39'17	10.73031 AU
conjunction	-10855 Sep 12	j 12:13	5°♋47'11	2°26'52
minimum elong	-10855 Sep 12	j 12:14	5°♋47'11	2°27'29
morning rise	-10855 Sep 29	j 00:39	7°♋47'56	
retrograde	-10854 Jan 11	j 05:10	15°♋21'01	
opposition	-10854 Mar 22	j 17:32	11°♋58'17	2°57'45
min. Earth dist.	-10854 Mar 23	j 14:08	11°♋54'23	8.64910 AU
direct	-10854 May 30	j 21:32	8°♋37'41	
evening set	-10854 Sep 08	j 06:27	16°♋01'34	
conjunction	-10854 Sep 24	j 19:26	18°♋04'35	2°20'04
minimum elong	-10854 Sep 24	j 19:28	18°♋04'35	2°20'39
max. Earth dist.	-10854 Sep 23	j 20:36	17°♋57'27	10.56398 AU
morning rise	-10854 Oct 11	j 12:01	20°♋08'47	
retrograde	-10853 Jan 24	j 19:16	27°♋55'59	
opposition	-10853 Apr 05	j 02:16	24°♋31'19	2°45'37
min. Earth dist.	-10853 Apr 05	j 19:41	24°♋27'58	8.47941 AU
direct	-10853 Jun 12	j 12:18	21°♋09'52	
evening set	-10853 Sep 20	j 22:14	28°♋43'33	
	-10853 Oct 01	j 01:35	0°♌	
conjunction	-10853 Oct 07	j 15:34	0°♌50'11	2°06'14
minimum elong	-10853 Oct 07	j 15:38	0°♌50'12	2°06'47
max. Earth dist.	-10853 Oct 06	j 21:35	0°♌44'28	10.39383 AU
morning rise	-10853 Oct 24	j 13:22	2°♌58'18	
retrograde	-10852 Feb 07	j 22:29	10°♌59'55	
opposition	-10852 Apr 17	j 20:46	7°♌33'19	2°24'35
min. Earth dist.	-10852 Apr 18	j 09:39	7°♌30'48	8.31004 AU
direct	-10852 Jun 24	j 14:13	4°♌10'55	
evening set	-10852 Oct 03	j 02:51	11°♌54'57	
conjunction	-10852 Oct 20	j 01:40	14°♌05'35	1°45'23
minimum elong	-10852 Oct 20	j 01:44	14°♌05'36	1°45'50

Attention, astronomical year style is used: The year -10852 in astronomical counting style is the year 10853 BCE in historical counting style.

max. Earth dist.	-10852 Oct 19 j 14:12	14°♌01'52	10.22832 AU
	-10852 Oct 27 j 02:00	15°♌	
morning rise	-10852 Nov 06 j 05:31	16°♌17'55	
retrograde	-10851 Feb 21 j 14:14	24°♌33'32	
opposition	-10851 May 02 j 01:08	21°♌05'04	1°54'46
min. Earth dist.	-10851 May 02 j 08:02	21°♌03'42	8.14995 AU
direct	-10851 Jul 08 j 01:09	17°♌41'38	
evening set	-10851 Oct 16 j 21:14	25°♌36'07	
conjunction	-10851 Nov 03 j 02:13	27°♌50'49	1°17'56
minimum elong	-10851 Nov 03 j 02:17	27°♌50'50	1°18'17
max. Earth dist.	-10851 Nov 02 j 21:47	27°♌49'22	10.07665 AU
	-10851 Nov 19 j 13:43	0°♍	
morning rise	-10851 Nov 20 j 12:42	0°♍07'24	
retrograde	-10850 Mar 08 j 16:19	8°♍35'37	
opposition	-10850 May 16 j 14:16	5°♍05'28	1°17'06
min. Earth dist.	-10850 May 16 j 14:45	5°♍05'22	8.00845 AU
direct	-10850 Jul 21 j 22:22	1°♍40'54	
evening set	-10850 Oct 31 j 06:04	9°♍45'29	
conjunction	-10850 Nov 17 j 17:24	12°♍04'02	0°45'01
minimum elong	-10850 Nov 17 j 17:26	12°♍04'03	0°45'15
max. Earth dist.	-10850 Nov 17 j 20:04	12°♍04'56	9.94786 AU
morning rise	-10850 Dec 05 j 10:28	14°♍24'32	
retrograde	-10849 Mar 24 j 01:50	23°♍02'52	
opposition	-10849 May 31 j 10:17	19°♍31'22	0°33'22
min. Earth dist.	-10849 May 31 j 04:54	19°♍32'28	7.89421 AU
direct	-10849 Aug 05 j 06:27	16°♍05'34	
evening set	-10849 Nov 15 j 04:27	24°♍19'18	
conjunction	-10849 Dec 02 j 21:43	26°♍41'08	0°08'30
minimum elong	-10849 Dec 02 j 21:44	26°♍41'08	0°08'35
behind sun begin	-10849 Dec 02 j 15:23	26°♍39'02	
behind sun end	-10849 Dec 03 j 04:05	26°♍43'15	
max. Earth dist.	-10849 Dec 03 j 07:15	26°♍44'19	9.84980 AU
morning rise	-10849 Dec 20 j 20:37	29°♍04'49	
	-10849 Dec 27 j 22:14	0°♎	
desc. node	-10848 Feb 26 j 19:32	6°♎21'27	
retrograde	-10848 Apr 07 j 15:20	7°♎50'00	
opposition	-10848 Jun 14 j 11:12	4°♎17'33	-0°13'39
min. Earth dist.	-10848 Jun 14 j 00:42	4°♎19'44	7.81414 AU
direct	-10848 Aug 18 j 23:33	0°♎50'36	
evening set	-10848 Nov 29 j 14:28	9°♎11'53	
conjunction	-10848 Dec 17 j 12:41	11°♎36'05	-0°29'19
minimum elong	-10848 Dec 17 j 12:39	11°♎36'05	0°29'23
max. Earth dist.	-10848 Dec 18 j 04:39	11°♎41'28	9.78849 AU
morning rise	-10847 Jan 04 j 15:58	14°♎01'54	
retrograde	-10847 Apr 23 j 05:56	22°♎50'04	
opposition	-10847 Jun 29 j 14:21	19°♎17'13	-1°00'29
min. Earth dist.	-10847 Jun 28 j 23:27	19°♎20'20	7.77360 AU
direct	-10847 Sep 02 j 23:28	15°♎49'14	
evening set	-10847 Dec 15 j 09:30	24°♎15'52	
conjunction	-10846 Jan 02 j 11:17	26°♎41'18	-1°05'24
minimum elong	-10846 Jan 02 j 11:13	26°♎41'17	1°05'38
max. Earth dist.	-10846 Jan 03 j 09:08	26°♎48'40	9.76892 AU
morning rise	-10846 Jan 20 j 17:07	29°♎07'57	
	-10846 Jan 27 j 08:12	0°♏	
retrograde	-10846 May 08 j 17:46	7°♏54'35	
opposition	-10846 Jul 14 j 16:35	4°♏21'53	-1°43'22
min. Earth dist.	-10846 Jul 13 j 22:01	4°♏25'48	7.77674 AU
direct	-10846 Sep 18 j 03:53	0°♏53'03	
evening set	-10846 Dec 31 j 09:15	9°♏22'03	
conjunction	-10845 Jan 18 j 12:58	11°♏47'23	-1°37'02
minimum elong	-10845 Jan 18 j 12:53	11°♏47'21	1°37'24

max. Earth dist.	-10845 Jan 19 j 15:41	11°♏56'22	9.79392 AU
morning rise	-10845 Feb 05 j 19:20	14°♏13'28	
	-10845 Feb 11 j 18:11	15°♏	
retrograde	-10845 May 23 j 22:58	22°♏54'00	
opposition	-10845 Jul 29 j 15:06	19°♏21'57	-2°18'51
min. Earth dist.	-10845 Jul 28 j 17:35	19°♏26'29	7.82430 AU
direct	-10845 Oct 03 j 09:52	15°♏52'30	
evening set	-10844 Jan 16 j 08:25	24°♏20'23	
conjunction	-10844 Feb 03 j 12:26	26°♏44'22	-2°01'50
minimum elong	-10844 Feb 03 j 12:21	26°♏44'21	2°02'19
max. Earth dist.	-10844 Feb 04 j 18:29	26°♏54'22	9.86233 AU
morning rise	-10844 Feb 21 j 17:32	29°♏08'36	
	-10844 Feb 28 j 09:07	0°♐	
retrograde	-10844 Jun 06 j 18:24	7°♐38'59	
min. Earth dist.	-10844 Aug 11 j 07:38	4°♐12'59	7.91303 AU
opposition	-10844 Aug 12 j 06:57	4°♐08'06	-2°44'26
direct	-10844 Oct 17 j 14:07	0°♐38'20	
evening set	-10843 Jan 31 j 02:04	9°♐01'39	
conjunction	-10843 Feb 18 j 05:08	11°♐23'19	-2°18'15
minimum elong	-10843 Feb 18 j 05:05	11°♐23'18	2°18'49
max. Earth dist.	-10843 Feb 19 j 12:30	11°♐33'35	9.96927 AU
morning rise	-10843 Mar 08 j 07:43	13°♐44'42	
retrograde	-10843 Jun 21 j 01:42	22°♐01'52	
opposition	-10843 Aug 26 j 13:58	18°♐32'32	-2°58'50
min. Earth dist.	-10843 Aug 25 j 14:20	18°♐37'27	8.03637 AU
direct	-10843 Nov 01 j 12:44	15°♐02'47	
evening set	-10842 Feb 15 j 10:00	23°♐18'36	
conjunction	-10842 Mar 05 j 11:13	25°♐37'16	-2°25'44
minimum elong	-10842 Mar 05 j 11:13	25°♐37'16	2°26'21
max. Earth dist.	-10842 Mar 06 j 17:49	25°♐47'07	10.10692 AU
morning rise	-10842 Mar 23 j 10:29	27°♐55'13	
	-10842 Apr 09 j 09:57	0°♑	
retrograde	-10842 Jul 04 j 20:19	5°♑57'18	
opposition	-10842 Sep 09 j 11:03	2°♑29'51	-3°02'02
min. Earth dist.	-10842 Sep 08 j 12:48	2°♑34'25	8.18558 AU
	-10842 Oct 13 j 12:00	30°℞♐	
direct	-10842 Nov 16 j 03:10	29°♐00'28	
	-10842 Dec 19 j 17:18	0°♑	
evening set	-10841 Mar 02 j 05:07	7°♑06'33	
conjunction	-10841 Mar 20 j 03:50	9°♑21'51	-2°24'34
minimum elong	-10841 Mar 20 j 03:51	9°♑21'51	2°25'10
max. Earth dist.	-10841 Mar 21 j 07:45	9°♑30'40	10.26584 AU
morning rise	-10841 Apr 06 j 23:23	11°♑36'04	
retrograde	-10841 Jul 18 j 02:27	19°♑22'28	
opposition	-10841 Sep 22 j 21:35	15°♑57'05	-2°54'59
min. Earth dist.	-10841 Sep 22 j 02:24	16°♑00'58	8.35110 AU
direct	-10841 Nov 30 j 07:45	12°♑28'23	
evening set	-10840 Mar 15 j 09:50	20°♑23'25	
conjunction	-10840 Apr 02 j 05:41	22°♑35'14	-2°15'39
minimum elong	-10840 Apr 02 j 05:43	22°♑35'15	2°16'14
max. Earth dist.	-10840 Apr 03 j 04:51	22°♑42'25	10.43638 AU
morning rise	-10840 Apr 19 j 21:32	24°♑45'45	
	-10840 Jun 08 j 06:52	0°♒	
retrograde	-10840 Jul 29 j 19:46	2°♒16'52	
	-10840 Sep 20 j 18:05	30°℞♑	
opposition	-10840 Oct 04 j 21:41	28°♑53'34	-2°39'10
min. Earth dist.	-10840 Oct 04 j 06:20	28°♑56'38	8.52349 AU
direct	-10840 Dec 13 j 02:33	25°♑25'48	
	-10839 Mar 01 j 00:11	0°♒	
evening set	-10839 Mar 28 j 23:48	3°♒09'21	
conjunction	-10839 Apr 15 j 16:35	5°♒17'46	-2°00'16

Attention, astronomical year style is used: The year -10839 in astronomical counting style is the year 10840 BCE in historical counting style.

minimum elong	-10839 Apr 15 j 16:38	5°♒17'47	2°00'47
max. Earth dist.	-10839 Apr 16 j 09:47	5°♒23'00	10.60921 AU
morning rise	-10839 May 03 j 04:52	7°♒24'46	
retrograde	-10839 Aug 10 j 23:51	14°♒41'50	
opposition	-10839 Oct 17 j 12:03	11°♒20'34	-2°16'25
min. Earth dist.	-10839 Oct 17 j 00:38	11°♒22'48	8.69382 AU
direct	-10839 Dec 26 j 12:10	7°♒53'56	
	-10838 Apr 07 j 05:35	15°♒	
evening set	-10838 Apr 10 j 23:49	15°♒26'16	
conjunction	-10838 Apr 28 j 13:26	17°♒31'30	-1°39'50
minimum elong	-10838 Apr 28 j 13:29	17°♒31'31	1°40'16
max. Earth dist.	-10838 Apr 29 j 00:35	17°♒34'51	10.77590 AU
morning rise	-10838 May 15 j 22:05	19°♒35'13	
retrograde	-10838 Aug 22 j 20:44	26°♒40'02	
opposition	-10838 Oct 29 j 17:48	23°♒20'38	-1°48'29
min. Earth dist.	-10838 Oct 29 j 10:09	23°♒22'06	8.85434 AU
direct	-10837 Jan 08 j 09:44	19°♒55'17	
evening set	-10837 Apr 23 j 11:07	27°♒17'12	
conjunction	-10837 May 10 j 21:29	29°♒19'34	-1°15'42
minimum elong	-10837 May 10 j 21:32	29°♒19'35	1°16'02
max. Earth dist.	-10837 May 11 j 03:32	29°♒21'21	10.92934 AU
	-10837 May 16 j 14:46	0°♓	
morning rise	-10837 May 28 j 02:28	1°♓20'22	
retrograde	-10837 Sep 03 j 09:38	8°♓14'58	
opposition	-10837 Nov 10 j 16:25	4°♓57'13	-1°17'01
min. Earth dist.	-10837 Nov 10 j 13:28	4°♓57'47	8.99872 AU
direct	-10836 Jan 20 j 20:37	1°♓33'12	
evening set	-10836 May 04 j 11:17	8°♓45'56	
conjunction	-10836 May 21 j 18:13	10°♓45'45	-0°49'08
minimum elong	-10836 May 21 j 18:15	10°♓45'45	0°49'23
max. Earth dist.	-10836 May 21 j 18:43	10°♓45'53	11.06370 AU
morning rise	-10836 Jun 07 j 19:42	12°♓44'03	
retrograde	-10836 Sep 13 j 16:41	19°♓30'40	
opposition	-10836 Nov 21 j 09:18	16°♓14'20	-0°43'29
min. Earth dist.	-10836 Nov 21 j 11:41	16°♓13'53	9.12175 AU
direct	-10835 Feb 01 j 00:28	12°♓51'35	
evening set	-10835 May 16 j 02:31	19°♓56'40	
conjunction	-10835 Jun 02 j 05:45	21°♓54'17	-0°21'17
minimum elong	-10835 Jun 02 j 05:46	21°♓54'17	0°21'25
max. Earth dist.	-10835 Jun 01 j 23:49	21°♓52'35	11.17432 AU
morning rise	-10835 Jun 19 j 03:56	23°♓50'28	
	-10835 Aug 30 j 18:38	0°♈	
retrograde	-10835 Sep 24 j 18:23	0°♈31'24	
	-10835 Oct 20 j 02:41	30°℞♓	
opposition	-10835 Dec 02 j 21:53	27°♓16'09	-0°09'08
min. Earth dist.	-10835 Dec 03 j 05:02	27°♓14'50	9.21930 AU
direct	-10834 Feb 12 j 20:38	23°♓54'37	
asc. node	-10834 Mar 12 j 08:09	24°♓29'39	
	-10834 May 19 j 07:55	0°♈	
evening set	-10834 May 27 j 10:25	0°♈53'40	
conjunction	-10834 Jun 13 j 10:01	2°♈49'27	0°06'57
minimum elong	-10834 Jun 13 j 10:01	2°♈49'27	0°06'55
behind sun begin	-10834 Jun 13 j 03:30	2°♈47'37	
behind sun end	-10834 Jun 13 j 16:32	2°♈51'18	
max. Earth dist.	-10834 Jun 12 j 22:37	2°♈46'12	11.25771 AU
morning rise	-10834 Jun 30 j 05:01	4°♈43'59	
retrograde	-10834 Oct 05 j 19:12	11°♈21'33	
opposition	-10834 Dec 14 j 07:58	8°♈07'01	0°24'56
min. Earth dist.	-10834 Dec 14 j 18:43	8°♈05'02	9.28828 AU
direct	-10833 Feb 24 j 12:48	4°♈46'34	
evening set	-10833 Jun 07 j 12:42	11°♈41'11	

conjunction	-10833 Jun 24 j 08:52	13°♈35'35	0°34'29
minimum elong	-10833 Jun 24 j 08:51	13°♈35'35	0°34'34
max. Earth dist.	-10833 Jun 23 j 17:46	13°♈31'17	11.31123 AU
morning rise	-10833 Jul 11 j 00:43	15°♈28'52	
retrograde	-10833 Oct 16 j 20:34	22°♈05'17	
opposition	-10833 Dec 25 j 17:01	18°♈51'08	0°57'46
min. Earth dist.	-10833 Dec 26 j 07:29	18°♈48'30	9.32654 AU
direct	-10832 Mar 06 j 22:46	15°♈31'36	
evening set	-10832 Jun 17 j 11:38	22°♈23'29	
	-10832 Jul 03 j 09:14	24°♈11'28	11.33322 AU
conjunction	-10832 Jul 04 j 04:24	24°♈16'56	1°00'40
minimum elong	-10832 Jul 04 j 04:22	24°♈16'55	1°00'52
morning rise	-10832 Jul 20 j 17:27	26°♈09'26	
	-10832 Aug 27 j 17:28	0°♉	
retrograde	-10832 Oct 26 j 21:42	2°♉46'51	
	-10832 Dec 29 j 19:18	30°℞♈	
opposition	-10831 Jan 05 j 02:23	29°♈32'42	1°28'27
min. Earth dist.	-10831 Jan 05 j 21:09	29°♈29'17	9.33290 AU
direct	-10831 Mar 18 j 06:29	26°♈13'48	
	-10831 May 29 j 21:40	0°♉	
evening set	-10831 Jun 28 j 08:47	3°♉04'44	
conjunction	-10831 Jul 14 j 22:20	4°♉57'38	1°24'42
minimum elong	-10831 Jul 14 j 22:17	4°♉57'37	1°25'01
max. Earth dist.	-10831 Jul 13 j 22:44	4°♉50'52	11.32304 AU
morning rise	-10831 Jul 31 j 09:10	6°♉49'51	
retrograde	-10831 Nov 07 j 02:32	13°♉30'24	
opposition	-10830 Jan 16 j 13:50	10°♉15'51	1°56'10
min. Earth dist.	-10830 Jan 17 j 11:37	10°♉11'54	9.30701 AU
direct	-10830 Mar 29 j 14:30	6°♉57'23	
evening set	-10830 Jul 09 j 05:40	13°♉48'56	
	-10830 Jul 19 j 15:21	15°♉	
conjunction	-10830 Jul 25 j 16:38	15°♉41'48	1°45'53
minimum elong	-10830 Jul 25 j 16:34	15°♉41'47	1°46'16
max. Earth dist.	-10830 Jul 24 j 14:44	15°♉34'21	11.28075 AU
morning rise	-10830 Aug 11 j 01:41	17°♉34'14	
retrograde	-10830 Nov 18 j 12:07	24°♉20'02	
opposition	-10829 Jan 28 j 04:37	21°♉04'41	2°20'05
min. Earth dist.	-10829 Jan 29 j 03:57	21°♉00'27	9.24917 AU
direct	-10829 Apr 09 j 22:49	17°♉46'23	
evening set	-10829 Jul 20 j 04:13	24°♉40'15	
max. Earth dist.	-10829 Aug 04 j 10:11	26°♉25'43	11.20702 AU
conjunction	-10829 Aug 05 j 13:21	26°♉33'37	2°03'29
minimum elong	-10829 Aug 05 j 13:18	26°♉33'36	2°03'57
morning rise	-10829 Aug 21 j 21:15	28°♉26'47	
	-10829 Sep 04 j 21:04	0°♊	
retrograde	-10829 Nov 30 j 05:48	5°♊19'50	
opposition	-10828 Feb 09 j 00:02	2°♊03'21	2°39'21
min. Earth dist.	-10828 Feb 10 j 00:37	1°♊58'52	9.16045 AU
	-10828 Mar 10 j 10:19	30°℞♉	
direct	-10828 Apr 20 j 08:40	28°♉44'59	
	-10828 May 30 j 02:58	0°♊	
evening set	-10828 Jul 30 j 06:15	5°♊42'49	
max. Earth dist.	-10828 Aug 14 j 09:07	7°♊28'41	11.10350 AU
conjunction	-10828 Aug 15 j 14:14	7°♊37'15	2°16'49
minimum elong	-10828 Aug 15 j 14:12	7°♊37'15	2°17'20
morning rise	-10828 Aug 31 j 22:02	9°♊31'48	
retrograde	-10828 Dec 11 j 05:34	16°♊34'03	
opposition	-10827 Feb 20 j 01:52	13°♊16'11	2°53'05
min. Earth dist.	-10827 Feb 21 j 03:39	13°♊11'27	9.04311 AU
direct	-10827 May 01 j 20:45	9°♊57'29	
evening set	-10827 Aug 10 j 13:28	17°♊00'58	

Attention, astronomical year style is used: The year -10827 in astronomical counting style is the year 10828 BCE in historical counting style.

conjunction	-10827 Aug 26 j 21:15	18°♊57'04	2°25'08	
minimum elong	-10827 Aug 26 j 21:14	18°♊57'04	2°25'43	
max. Earth dist.	-10827 Aug 25 j 15:33	18°♊48'12	10.97345 AU	
morning rise	-10827 Sep 12 j 06:06	20°♊53'35		
retrograde	-10827 Dec 23 j 15:37	28°♊06'58		
opposition	-10826 Mar 04 j 11:18	24°♊47'25	3°00'24	
min. Earth dist.	-10826 Mar 05 j 12:51	24°♊42'40	8.90144 AU	
direct	-10826 May 13 j 17:00	21°♊28'09		
evening set	-10826 Aug 22 j 03:45	28°♊38'44		
	-10826 Sep 02 j 10:24	0°♋		
max. Earth dist.	-10826 Sep 06 j 08:53	0°♋28'40	10.82194 AU	
conjunction	-10826 Sep 07 j 12:45	0°♋37'08	2°27'45	
minimum elong	-10826 Sep 07 j 12:45	0°♋37'08	2°28'22	
morning rise	-10826 Sep 23 j 23:43	2°♋36'16		
retrograde	-10825 Jan 05 j 13:07	10°♋02'18		
opposition	-10825 Mar 17 j 05:18	6°♋40'47	3°00'23	
min. Earth dist.	-10825 Mar 18 j 04:37	6°♋36'24	8.74118 AU	
direct	-10825 May 25 j 18:57	3°♋20'46		
evening set	-10825 Sep 03 j 02:51	10°♋39'43		
conjunction	-10825 Sep 19 j 14:23	12°♋41'02	2°24'02	
minimum elong	-10825 Sep 19 j 14:25	12°♋41'03	2°24'39	
max. Earth dist.	-10825 Sep 18 j 13:36	12°♋33'23	10.65514 AU	
morning rise	-10825 Oct 06 j 04:42	14°♋43'22		
retrograde	-10824 Jan 18 j 22:24	22°♋23'14		
opposition	-10824 Mar 29 j 08:46	18°♋59'37	2°52'15	
min. Earth dist.	-10824 Mar 30 j 04:27	18°♋55'51	8.56895 AU	
direct	-10824 Jun 06 j 04:53	15°♋38'39		
evening set	-10824 Sep 14 j 12:36	23°♋07'04		
max. Earth dist.	-10824 Sep 30 j 06:29	25°♋05'08	10.48025 AU	
conjunction	-10824 Oct 01 j 03:47	25°♋11'50	2°13'30	
minimum elong	-10824 Oct 01 j 03:49	25°♋11'51	2°14'04	
morning rise	-10824 Oct 17 j 22:46	27°♋17'55		
	-10824 Nov 09 j 19:39	0°♌		
retrograde	-10823 Jan 31 j 20:33	5°♌12'15		
opposition	-10823 Apr 11 j 22:13	1°♌46'29	2°35'24	
min. Earth dist.	-10823 Apr 12 j 13:47	1°♌43'28	8.39261 AU	
	-10823 May 05 j 23:47	30°℞♋		
direct	-10823 Jun 18 j 23:56	28°♋24'25		
	-10823 Jul 31 j 11:54	0°♌		
evening set	-10823 Sep 27 j 10:32	6°♌03'06		
conjunction	-10823 Oct 14 j 06:32	8°♌11'45	1°55'55	
minimum elong	-10823 Oct 14 j 06:36	8°♌11'46	1°56'25	
max. Earth dist.	-10823 Oct 13 j 13:47	8°♌06'22	10.30566 AU	
morning rise	-10823 Oct 31 j 07:26	10°♌22'01		
	-10823 Dec 10 j 21:20	15°♌		
retrograde	-10822 Feb 15 j 06:09	18°♌30'49		
opposition	-10822 Apr 25 j 21:42	15°♌02'57	2°09'41	
min. Earth dist.	-10822 Apr 26 j 08:35	15°♌00'48	8.22111 AU	
	-10822 Apr 26 j 12:39	15°℞♌		
direct	-10822 Jul 02 j 05:10	11°♌39'39		
	-10822 Sep 02 j 07:01	15°♌		
evening set	-10822 Oct 10 j 21:53	19°♌29'03		
conjunction	-10822 Oct 27 j 23:47	21°♌41'50	1°31'29	
minimum elong	-10822 Oct 27 j 23:51	21°♌41'51	1°31'53	
max. Earth dist.	-10822 Oct 27 j 13:16	21°♌38'24	10.14048 AU	
morning rise	-10822 Nov 14 j 07:16	23°♌56'28		
	-10821 Jan 08 j 10:15	0°♍		
retrograde	-10821 Mar 02 j 02:12	2°♍18'54		
	-10821 Apr 25 j 06:04	30°℞♌		
opposition	-10821 May 10 j 06:32	28°♌49'06	1°35'34	
min. Earth dist.	-10821 May 10 j 12:03	28°♌48'00	8.06386 AU	
direct	-10821 Jul 15 j 22:20	25°♌24'32		
	-10821 Sep 27 j 02:26	0°♍		
evening set	-10821 Oct 24 j 23:35	3°♍24'37		
conjunction	-10821 Nov 11 j 07:55	5°♍41'30	1°00'57	
minimum elong	-10821 Nov 11 j 07:58	5°♍41'31	1°01'14	
max. Earth dist.	-10821 Nov 11 j 05:03	5°♍40'33	9.99410 AU	
morning rise	-10821 Nov 28 j 22:05	8°♍00'19		
retrograde	-10820 Mar 16 j 07:10	16°♍34'33		
opposition	-10820 May 23 j 23:22	13°♍03'07	0°54'24	
min. Earth dist.	-10820 May 23 j 22:35	13°♍03'16	7.93042 AU	
direct	-10820 Jul 29 j 02:28	9°♍37'17		
evening set	-10820 Nov 07 j 15:29	17°♍47'23		
conjunction	-10820 Nov 25 j 06:10	20°♍07'59	0°25'50	
minimum elong	-10820 Nov 25 j 06:11	20°♍08'00	0°25'59	
max. Earth dist.	-10820 Nov 25 j 11:34	20°♍09'47	9.87592 AU	
morning rise	-10820 Dec 13 j 02:32	22°♍30'28		
	-10819 Feb 22 j 15:17	0°♎		
retrograde	-10819 Mar 31 j 18:48	1°♎13'37		
	-10819 May 08 j 07:47	30°℞♍		
opposition	-10819 Jun 07 j 22:30	27°♍40'57	0°08'28	
min. Earth dist.	-10819 Jun 07 j 15:09	27°♍42'28	7.82979 AU	
direct	-10819 Aug 12 j 15:17	24°♍13'56		
desc. node	-10819 Aug 14 j 06:08	24°♍14'05		
	-10819 Nov 02 j 21:42	0°♎		
evening set	-10819 Nov 22 j 20:25	2°♎32'39		
conjunction	-10819 Dec 10 j 16:43	4°♎56'10	-0°11'47	
minimum elong	-10819 Dec 10 j 16:42	4°♎56'10	0°11'47	
behind sun begin	-10819 Dec 10 j 11:37	4°♎54'28		
behind sun end	-10819 Dec 10 j 21:47	4°♎57'51		
max. Earth dist.	-10819 Dec 11 j 06:20	5°♎00'45	9.79420 AU	
morning rise	-10819 Dec 28 j 18:12	7°♎21'23		
retrograde	-10818 Apr 16 j 10:06	16°♎09'36		
min. Earth dist.	-10818 Jun 22 j 11:50	12°♎39'02	7.76918 AU	
opposition	-10818 Jun 23 j 01:16	12°♎36'13	-0°38'59	
direct	-10818 Aug 27 j 11:41	9°♎08'07		
evening set	-10818 Dec 08 j 12:08	17°♎33'21		
conjunction	-10818 Dec 26 j 12:43	19°♎58'39	-0°49'01	
minimum elong	-10818 Dec 26 j 12:40	19°♎58'38	0°49'11	
max. Earth dist.	-10818 Dec 27 j 09:39	20°♎05'44	9.75503 AU	
morning rise	-10817 Jan 13 j 17:34	22°♎25'20		
	-10817 Mar 26 j 05:52	0°♏		
retrograde	-10817 May 02 j 00:45	1°♏14'04		
	-10817 Jun 08 j 01:14	30°℞♎		
min. Earth dist.	-10817 Jul 07 j 10:08	27°♎44'28	7.75322 AU	
opposition	-10817 Jul 08 j 04:31	27°♎40'35	-1°24'13	
direct	-10817 Sep 11 j 14:03	24°♎11'34		
	-10817 Dec 03 j 10:31	0°♏		
evening set	-10817 Dec 24 j 10:32	2°♏40'31		
conjunction	-10816 Jan 11 j 13:42	5°♏06'17	-1°23'05	
minimum elong	-10816 Jan 11 j 13:38	5°♏06'15	1°23'23	
max. Earth dist.	-10816 Jan 12 j 16:28	5°♏15'18	9.76159 AU	
morning rise	-10816 Jan 29 j 19:58	7°♏33'00		
	-10816 Apr 08 j 21:09	15°♏		
retrograde	-10816 May 16 j 10:29	16°♏17'34		
	-10816 Jun 23 j 04:30	15°℞♏		
min. Earth dist.	-10816 Jul 21 j 07:36	12°♏49'11	7.78326 AU	
opposition	-10816 Jul 22 j 05:25	12°♏44'35	-2°03'33	
direct	-10816 Sep 25 j 19:24	9°♏14'56		
	-10816 Dec 17 j 18:21	15°♏		
evening set	-10815 Jan 08 j 10:36	17°♏44'13		
conjunction	-10815 Jan 26 j 14:44	20°♏09'08	-1°51'18	
minimum elong	-10815 Jan 26 j 14:39	20°♏09'07	1°51'44	

Attention, astronomical year style is used: The year -10815 in astronomical counting style is the year 10816 BCE in historical counting style.

max. Earth dist.	-10815 Jan 27 j 21:22	20°♏19'23	9.81358 AU	
morning rise	-10815 Feb 13 j 20:35	22°♏34'32		
	-10815 Apr 25 j 17:54	0°♐		
retrograde	-10815 May 31 j 11:45	1°♐10'36		
	-10815 Jul 06 j 08:20	30°℞♏		
min. Earth dist.	-10815 Aug 05 j 01:20	27°♏43'38	7.85705 AU	
opposition	-10815 Aug 06 j 00:52	27°♏38'41	-2°33'58	
direct	-10815 Oct 11 j 00:50	24°♏08'42		
	-10814 Jan 03 j 16:00	0°♐		
evening set	-10814 Jan 24 j 07:39	2°♐34'54		
conjunction	-10814 Feb 11 j 11:17	4°♐57'52	-2°11'44	
minimum elong	-10814 Feb 11 j 11:13	4°♐57'51	2°12'16	
max. Earth dist.	-10814 Feb 12 j 19:30	5°♐08'31	9.90715 AU	
morning rise	-10814 Mar 01 j 15:13	7°♐20'48		
retrograde	-10814 Jun 15 j 01:09	15°♐44'46		
opposition	-10814 Aug 20 j 12:21	12°♐14'28	-2°53'36	
min. Earth dist.	-10814 Aug 19 j 12:30	12°♐19'27	7.96907 AU	
direct	-10814 Oct 26 j 02:50	8°♐44'31		
evening set	-10813 Feb 08 j 20:48	17°♐04'27		
conjunction	-10813 Feb 26 j 22:52	19°♐24'38	-2°23'21	
minimum elong	-10813 Feb 26 j 22:50	19°♐24'38	2°23'57	
max. Earth dist.	-10813 Feb 28 j 06:32	19°♐34'56	10.03549 AU	
morning rise	-10813 Mar 16 j 23:52	21°♐44'19		
retrograde	-10813 Jun 29 j 01:04	29°♐53'50		
opposition	-10813 Sep 03 j 14:29	26°♐25'29	-3°01'52	
min. Earth dist.	-10813 Sep 02 j 15:22	26°♐30'16	8.11143 AU	
direct	-10813 Nov 09 j 21:50	22°♐55'57		
	-10812 Feb 14 j 21:08	0°♑		
evening set	-10812 Feb 23 j 22:14	1°♑06'59		
conjunction	-10812 Mar 12 j 22:03	3°♑23'54	-2°26'04	
minimum elong	-10812 Mar 12 j 22:03	3°♑23'54	2°26'41	
max. Earth dist.	-10812 Mar 14 j 03:28	3°♑33'17	10.18987 AU	
morning rise	-10812 Mar 30 j 19:33	5°♑39'55		
retrograde	-10812 Jul 11 j 12:54	13°♑33'49		
min. Earth dist.	-10812 Sep 15 j 08:30	10°♑12'03	8.27481 AU	
opposition	-10812 Sep 16 j 06:08	10°♑07'38	-2°59'18	
direct	-10812 Nov 23 j 07:49	6°♑38'51		
evening set	-10811 Mar 09 j 10:02	14°♑39'14		
conjunction	-10811 Mar 27 j 07:16	16°♑52'40	-2°20'32	
minimum elong	-10811 Mar 27 j 07:18	16°♑52'41	2°21'08	
max. Earth dist.	-10811 Mar 28 j 09:18	17°♑00'49	10.36052 AU	
morning rise	-10811 Apr 14 j 01:00	19°♑04'54		
retrograde	-10811 Jul 24 j 12:23	26°♑43'07		
opposition	-10811 Sep 29 j 11:08	23°♑19'10	-2°47'14	
min. Earth dist.	-10811 Sep 28 j 16:17	23°♑22'57	8.44933 AU	
direct	-10811 Dec 07 j 07:29	19°♑51'22		
evening set	-10810 Mar 23 j 07:19	27°♑40'16		
conjunction	-10810 Apr 10 j 01:41	29°♑50'13	-2°07'54	
minimum elong	-10810 Apr 10 j 01:44	29°♑50'14	2°08'27	
max. Earth dist.	-10810 Apr 10 j 23:20	29°♑56'52	10.53748 AU	
	-10810 Apr 11 j 09:34	0°♒		
morning rise	-10810 Apr 27 j 15:35	1°♒58'46		
retrograde	-10810 Aug 05 j 23:43	9°♒22'08		
opposition	-10810 Oct 12 j 06:16	6°♒00'23	-2°27'23	
min. Earth dist.	-10810 Oct 11 j 15:37	6°♒03'17	8.62544 AU	
direct	-10810 Dec 20 j 20:50	2°♒33'45		
evening set	-10809 Apr 05 j 14:03	10°♒11'03		
conjunction	-10809 Apr 23 j 05:14	12°♒17'40	-1°49'34	
minimum elong	-10809 Apr 23 j 05:18	12°♒17'41	1°50'03	
max. Earth dist.	-10809 Apr 23 j 21:06	12°♒22'27	10.71137 AU	
morning rise	-10809 May 10 j 15:23	14°♒22'45		
	-10809 May 15 j 22:49	15°♒		
retrograde	-10809 Aug 18 j 00:57	21°♒32'51		
opposition	-10809 Oct 24 j 16:14	18°♒13'08	-2°01'33	
min. Earth dist.	-10809 Oct 24 j 06:49	18°♒14'57	8.79424 AU	
	-10809 Dec 18 j 05:16	15°℞♒		
direct	-10808 Jan 02 j 22:57	14°♒47'43		
	-10808 Jan 18 j 18:12	15°♒		
evening set	-10808 Apr 17 j 07:24	22°♒14'04		
conjunction	-10808 May 04 j 19:12	24°♒17'38	-1°26'56	
minimum elong	-10808 May 04 j 19:16	24°♒17'39	1°27'19	
max. Earth dist.	-10808 May 05 j 03:52	24°♒20'12	10.87370 AU	
morning rise	-10808 May 22 j 01:52	26°♒19'38		
	-10808 Jun 25 j 10:58	0°♓		
retrograde	-10808 Aug 28 j 15:52	3°♓18'25		
opposition	-10808 Nov 04 j 18:02	0°♓00'28	-1°31'30	
	-10808 Nov 04 j 20:30	30°℞♒		
min. Earth dist.	-10808 Nov 04 j 13:43	0°♓01'18	8.94784 AU	
direct	-10807 Jan 14 j 15:54	26°♒36'20		
	-10807 Mar 23 j 12:02	0°♓		
evening set	-10807 Apr 29 j 12:50	3°♓52'56		
conjunction	-10807 May 16 j 21:13	5°♓53'46	-1°01'18	
minimum elong	-10807 May 16 j 21:16	5°♓53'47	1°01'36	
max. Earth dist.	-10807 May 16 j 22:53	5°♓54'15	11.01735 AU	
morning rise	-10807 Jun 03 j 00:27	7°♓53'05		
retrograde	-10807 Sep 09 j 01:20	14°♓42'54		
opposition	-10807 Nov 16 j 13:26	11°♓26'26	-0°58'44	
min. Earth dist.	-10807 Nov 16 j 13:38	11°♓26'23	9.08006 AU	
direct	-10806 Jan 27 j 00:45	8°♓03'33		
evening set	-10806 May 11 j 08:09	15°♓11'49		
conjunction	-10806 May 28 j 13:06	17°♓10'19	-0°33'54	
minimum elong	-10806 May 28 j 13:08	17°♓10'20	0°34'05	
max. Earth dist.	-10806 May 28 j 09:22	17°♓09'15	11.13732 AU	
morning rise	-10806 Jun 14 j 12:47	19°♓07'21		
retrograde	-10806 Sep 20 j 06:26	25°♓50'30		
opposition	-10806 Nov 28 j 04:01	22°♓35'10	-0°24'37	
min. Earth dist.	-10806 Nov 28 j 08:51	22°♓34'16	9.18697 AU	
direct	-10805 Feb 07 j 23:33	19°♓13'27		
evening set	-10805 May 22 j 19:22	26°♓14'56		
conjunction	-10805 Jun 08 j 20:45	28°♓11'28	-0°05'49	
minimum elong	-10805 Jun 08 j 20:46	28°♓11'28	0°05'54	
behind sun begin	-10805 Jun 08 j 14:03	28°♓09'34		
behind sun end	-10805 Jun 09 j 03:29	28°♓13'22		
max. Earth dist.	-10805 Jun 08 j 11:54	28°♓08'57	11.23035 AU	
	-10805 Jun 24 j 17:23	0°♈		
morning rise	-10805 Jun 25 j 17:03	0°♈06'39		
asc. node	-10805 Aug 25 j 09:38	5°♈38'28		
retrograde	-10805 Oct 01 j 07:51	6°♈45'23		
opposition	-10805 Dec 09 j 15:16	3°♈30'49	0°09'42	
min. Earth dist.	-10805 Dec 10 j 01:25	3°♈28'57	9.26586 AU	
direct	-10804 Feb 19 j 17:03	0°♈10'04		
evening set	-10804 Jun 02 j 00:11	7°♈06'25		
conjunction	-10804 Jun 18 j 21:54	9°♈01'23	0°22'12	
minimum elong	-10804 Jun 18 j 21:53	9°♈01'23	0°22'14	
max. Earth dist.	-10804 Jun 18 j 07:05	8°♈57'10	11.29406 AU	
morning rise	-10804 Jul 05 j 15:11	10°♈55'09		
retrograde	-10804 Oct 11 j 07:09	17°♈31'43		
opposition	-10804 Dec 20 j 00:34	14°♈17'31	0°43'10	
min. Earth dist.	-10804 Dec 20 j 15:10	14°♈14'51	9.31456 AU	
direct	-10803 Mar 02 j 05:37	10°♈57'33		
evening set	-10803 Jun 13 j 00:28	17°♈50'27		
conjunction	-10803 Jun 29 j 18:40	19°♈44'15	0°49'04	

Attention, astronomical year style is used: The year -10803 in astronomical counting style is the year 10804 BCE in historical counting style.

minimum elong	-10803 Jun 29 j 18:38	19°♈44'15	0°49'14
max. Earth dist.	-10803 Jun 28 j 23:20	19°♈38'44	11.32674 AU
morning rise	-10803 Jul 16 j 09:06	21°♈37'04	
retrograde	-10803 Oct 22 j 07:41	28°♈13'41	
opposition	-10803 Dec 31 j 09:27	24°♈59'26	1°14'55
min. Earth dist.	-10802 Jan 01 j 03:04	24°♈56'13	9.33170 AU
direct	-10802 Mar 13 j 16:21	21°♈40'04	
evening set	-10802 Jun 23 j 21:56	28°♈31'11	
	-10802 Jul 07 j 00:01	0°♉	
conjunction	-10802 Jul 10 j 13:01	0°♉24'17	1°14'09
minimum elong	-10802 Jul 10 j 12:58	0°♉24'16	1°14'25
max. Earth dist.	-10802 Jul 09 j 15:01	0°♉18'00	11.32754 AU
morning rise	-10802 Jul 27 j 00:47	2°♉16'34	
retrograde	-10802 Nov 02 j 11:57	8°♉55'23	
opposition	-10801 Jan 11 j 19:36	5°♉40'45	1°44'04
min. Earth dist.	-10801 Jan 12 j 15:58	5°♉37'03	9.31693 AU
direct	-10801 Mar 24 j 23:38	2°♉21'47	
evening set	-10801 Jul 04 j 18:21	9°♉12'47	
max. Earth dist.	-10801 Jul 20 j 05:28	10°♉58'26	11.29655 AU
conjunction	-10801 Jul 21 j 06:35	11°♉05'39	1°36'41
minimum elong	-10801 Jul 21 j 06:32	11°♉05'38	1°37'03
morning rise	-10801 Aug 06 j 16:19	12°♉57'57	
	-10801 Aug 25 j 10:55	15°♉	
retrograde	-10801 Nov 13 j 17:49	19°♉41'03	
opposition	-10800 Jan 23 j 08:23	16°♉25'42	2°09'48
min. Earth dist.	-10800 Jan 24 j 07:43	16°♉21'28	9.27072 AU
	-10800 Feb 12 j 16:26	15°℞♉	
direct	-10800 Apr 04 j 05:26	13°♉06'54	
	-10800 May 24 j 00:09	15°♉	
evening set	-10800 Jul 14 j 15:44	19°♉59'32	
max. Earth dist.	-10800 Jul 29 j 21:33	21°♉44'32	11.23477 AU
conjunction	-10800 Jul 31 j 01:33	21°♉52'39	1°56'00
minimum elong	-10800 Jul 31 j 01:30	21°♉52'38	1°56'26
morning rise	-10800 Aug 16 j 10:00	23°♉45'28	
	-10800 Oct 28 j 09:22	0°♊	
retrograde	-10800 Nov 24 j 06:19	0°♊34'54	
	-10800 Dec 21 j 14:08	30°℞♉	
opposition	-10799 Feb 03 j 01:05	27°♉18'33	2°31'17
min. Earth dist.	-10799 Feb 04 j 02:21	27°♉13'56	9.19442 AU
direct	-10799 Apr 15 j 15:03	23°♉59'42	
	-10799 Jul 17 j 10:19	0°♊	
evening set	-10799 Jul 25 j 15:33	0°♊55'36	
conjunction	-10799 Aug 10 j 23:54	2°♊49'31	2°11'22
minimum elong	-10799 Aug 10 j 23:51	2°♊49'31	2°11'51
max. Earth dist.	-10799 Aug 09 j 19:14	2°♊41'08	11.14404 AU
morning rise	-10799 Aug 27 j 07:44	4°♊43'25	
retrograde	-10799 Dec 06 j 02:01	11°♊41'13	
opposition	-10798 Feb 14 j 23:27	8°♊23'32	2°47'39
min. Earth dist.	-10798 Feb 16 j 00:36	8°♊18'55	9.09027 AU
direct	-10798 Apr 27 j 02:21	5°♊04'31	
evening set	-10798 Aug 05 j 19:37	12°♊05'14	
max. Earth dist.	-10798 Aug 20 j 23:21	13°♊52'12	11.02707 AU
conjunction	-10798 Aug 22 j 03:31	14°♊00'33	2°22'04
minimum elong	-10798 Aug 22 j 03:29	14°♊00'32	2°22'37
morning rise	-10798 Sep 07 j 11:39	15°♊56'06	
retrograde	-10798 Dec 18 j 08:57	23°♊04'08	
opposition	-10797 Feb 27 j 04:47	19°♊44'54	2°58'02
min. Earth dist.	-10797 Feb 28 j 05:09	19°♊40'23	8.96148 AU
direct	-10797 May 08 j 18:37	16°♊25'30	
evening set	-10797 Aug 17 j 06:05	23°♊32'34	
max. Earth dist.	-10797 Sep 01 j 10:37	25°♊21'29	10.88767 AU
conjunction	-10797 Sep 02 j 14:27	25°♊29'52	2°27'23
minimum elong	-10797 Sep 02 j 14:26	25°♊29'52	2°27'59
morning rise	-10797 Sep 19 j 00:11	27°♊27'43	
	-10797 Oct 11 j 11:44	0°♋	
retrograde	-10797 Dec 31 j 00:17	4°♋47'34	
opposition	-10796 Mar 10 j 18:08	1°♋26'38	3°01'29
min. Earth dist.	-10796 Mar 11 j 17:28	1°♋22'16	8.81241 AU
	-10796 Mar 30 j 16:44	30°℞♊	
direct	-10796 May 19 j 14:50	28°♊06'41	
	-10796 Jul 06 j 12:51	0°♋	
evening set	-10796 Aug 28 j 00:33	5°♋21'31	
max. Earth dist.	-10796 Sep 12 j 08:07	7°♋13'16	10.73083 AU
conjunction	-10796 Sep 13 j 10:36	7°♋21'23	2°26'39
minimum elong	-10796 Sep 13 j 10:37	7°♋21'23	2°27'16
morning rise	-10796 Sep 29 j 23:16	9°♋22'09	
retrograde	-10795 Jan 12 j 02:29	16°♋55'15	
opposition	-10795 Mar 23 j 16:51	13°♋32'26	2°57'09
min. Earth dist.	-10795 Mar 24 j 14:15	13°♋28'22	8.64869 AU
direct	-10795 May 31 j 20:55	10°♋11'46	
evening set	-10795 Sep 09 j 04:39	17°♋35'32	
conjunction	-10795 Sep 25 j 17:50	19°♋38'35	2°19'18
minimum elong	-10795 Sep 25 j 17:53	19°♋38'36	2°19'54
max. Earth dist.	-10795 Sep 24 j 19:12	19°♋31'31	10.56274 AU
morning rise	-10795 Oct 12 j 10:35	21°♋42'50	
retrograde	-10794 Jan 25 j 18:07	29°♋30'10	
opposition	-10794 Apr 06 j 01:27	26°♋05'23	2°44'21
min. Earth dist.	-10794 Apr 06 j 19:01	26°♋02'00	8.47724 AU
direct	-10794 Jun 13 j 12:34	22°♋43'52	
	-10794 Sep 19 j 11:57	0°♌	
evening set	-10794 Sep 21 j 20:27	0°♌17'30	
conjunction	-10794 Oct 08 j 14:07	2°♌24'15	2°04'57
minimum elong	-10794 Oct 08 j 14:10	2°♌24'16	2°05'30
max. Earth dist.	-10794 Oct 07 j 20:41	2°♌18'42	10.39084 AU
morning rise	-10794 Oct 25 j 12:03	4°♌32'27	
retrograde	-10793 Feb 08 j 22:48	12°♌34'19	
opposition	-10793 Apr 19 j 20:00	9°♌07'35	2°22'40
min. Earth dist.	-10793 Apr 20 j 08:28	9°♌05'09	8.30620 AU
direct	-10793 Jun 26 j 12:23	5°♌45'07	
evening set	-10793 Oct 05 j 01:22	13°♌29'15	
	-10793 Oct 16 j 20:43	15°♌	
conjunction	-10793 Oct 22 j 00:30	15°♌40'01	1°43'36
minimum elong	-10793 Oct 22 j 00:34	15°♌40'02	1°44'03
max. Earth dist.	-10793 Oct 21 j 12:56	15°♌36'16	10.22373 AU
morning rise	-10793 Nov 08 j 04:37	17°♌52'29	
retrograde	-10792 Feb 23 j 14:36	26°♌08'26	
opposition	-10792 May 03 j 00:29	22°♌39'51	1°52'17
min. Earth dist.	-10792 May 03 j 07:04	22°♌38'32	8.14461 AU
direct	-10792 Jul 08 j 23:28	19°♌16'19	
evening set	-10792 Oct 17 j 20:16	27°♌11'07	
conjunction	-10792 Nov 04 j 01:28	29°♌25'59	1°15'43
minimum elong	-10792 Nov 04 j 01:31	29°♌26'01	1°16'04
max. Earth dist.	-10792 Nov 03 j 20:15	29°♌24'17	10.07075 AU
	-10792 Nov 08 j 08:59	0°♍	
morning rise	-10792 Nov 21 j 12:18	1°♍42'44	
retrograde	-10791 Mar 09 j 16:34	10°♍11'24	
opposition	-10791 May 17 j 13:53	6°♍41'09	1°14'07
min. Earth dist.	-10791 May 17 j 14:34	6°♍41'01	8.00207 AU
direct	-10791 Jul 22 j 21:33	3°♍16'30	
evening set	-10791 Nov 01 j 05:39	11°♍21'33	
conjunction	-10791 Nov 18 j 17:11	13°♍40'18	0°42'29
minimum elong	-10791 Nov 18 j 17:13	13°♍40'19	0°42'42

Attention, astronomical year style is used: The year -10791 in astronomical counting style is the year 10792 BCE in historical counting style.

max. Earth dist.	-10791 Nov 18 j 19:01	13°♑40'55	9.94132 AU
morning rise	-10791 Dec 06 j 10:39	16°♑00'59	
retrograde	-10790 Mar 25 j 02:13	24°♑39'51	
opposition	-10790 Jun 01 j 10:22	21°♑08'17	0°30'03
min. Earth dist.	-10790 Jun 01 j 05:28	21°♑09'18	7.88769 AU
direct	-10790 Aug 06 j 05:49	17°♑42'25	
evening set	-10790 Nov 16 j 04:45	25°♑56'43	
conjunction	-10790 Dec 03 j 22:15	28°♑18'44	0°05'47
minimum elong	-10790 Dec 03 j 22:16	28°♑18'44	0°05'51
behind sun begin	-10790 Dec 03 j 15:17	28°♑16'25	
behind sun end	-10790 Dec 04 j 05:15	28°♑21'03	
max. Earth dist.	-10790 Dec 04 j 07:23	28°♑21'47	9.84369 AU
	-10790 Dec 16 j 12:44	0°♒	
morning rise	-10790 Dec 21 j 21:31	0°♒42'36	
desc. node	-10789 Jan 31 j 04:22	5°♒33'20	
retrograde	-10789 Apr 09 j 16:20	9°♒28'15	
opposition	-10789 Jun 16 j 11:40	5°♒55'46	-0°17'06
min. Earth dist.	-10789 Jun 16 j 01:34	5°♒57'52	7.80866 AU
direct	-10789 Aug 20 j 23:28	2°♒28'43	
evening set	-10789 Dec 01 j 15:36	10°♒50'33	
conjunction	-10789 Dec 19 j 14:02	13°♒14'53	-0°32'02
minimum elong	-10789 Dec 19 j 14:00	13°♒14'53	0°32'07
max. Earth dist.	-10789 Dec 20 j 06:01	13°♒20'17	9.78381 AU
morning rise	-10788 Jan 06 j 17:31	15°♒40'50	
retrograde	-10788 Apr 24 j 07:10	24°♒29'16	
opposition	-10788 Jun 30 j 14:58	20°♒56'23	-1°03'48
min. Earth dist.	-10788 Jun 30 j 00:17	20°♒59'28	7.76971 AU
direct	-10788 Sep 04 j 00:25	17°♒28'19	
evening set	-10788 Dec 16 j 11:10	25°♒55'26	
conjunction	-10787 Jan 03 j 13:08	28°♒20'56	-1°07'55
minimum elong	-10787 Jan 03 j 13:04	28°♒20'55	1°08'10
max. Earth dist.	-10787 Jan 04 j 11:16	28°♒28'25	9.76563 AU
	-10787 Jan 15 j 19:33	0°♏	
morning rise	-10787 Jan 21 j 18:59	0°♏47'40	
retrograde	-10787 May 09 j 19:02	9°♏34'29	
opposition	-10787 Jul 15 j 17:24	6°♏01'47	-1°46'18
min. Earth dist.	-10787 Jul 14 j 22:38	6°♏05'44	7.77401 AU
direct	-10787 Sep 19 j 05:24	2°♏32'54	
evening set	-10786 Jan 01 j 11:19	11°♏02'21	
conjunction	-10786 Jan 19 j 15:11	13°♏27'45	-1°39'09
minimum elong	-10786 Jan 19 j 15:06	13°♏27'44	1°39'32
max. Earth dist.	-10786 Jan 20 j 18:26	13°♏36'54	9.79156 AU
	-10786 Jan 31 j 02:36	15°♏	
morning rise	-10786 Feb 06 j 21:28	15°♏53'52	
retrograde	-10786 May 25 j 00:22	24°♏34'33	
opposition	-10786 Jul 30 j 16:04	21°♏02'33	-2°21'12
min. Earth dist.	-10786 Jul 29 j 18:05	21°♏07'10	7.82235 AU
direct	-10786 Oct 04 j 11:36	17°♏33'05	
evening set	-10785 Jan 17 j 11:02	26°♏01'25	
conjunction	-10785 Feb 04 j 15:09	28°♏25'28	-2°03'25
minimum elong	-10785 Feb 04 j 15:04	28°♏25'27	2°03'54
max. Earth dist.	-10785 Feb 05 j 21:44	28°♏35'38	9.86070 AU
	-10785 Feb 16 j 12:16	0°♐	
morning rise	-10785 Feb 22 j 20:04	0°♐49'41	
retrograde	-10785 Jun 08 j 19:52	9°♐20'10	
min. Earth dist.	-10785 Aug 13 j 08:30	5°♐54'18	7.91176 AU
opposition	-10785 Aug 14 j 08:05	5°♐49'21	-2°46'02
direct	-10785 Oct 19 j 15:10	2°♐19'36	
evening set	-10784 Feb 02 j 05:02	10°♐43'20	
conjunction	-10784 Feb 20 j 08:06	13°♐05'02	-2°19'11
minimum elong	-10784 Feb 20 j 08:03	13°♐05'01	2°19'46
max. Earth dist.	-10784 Feb 21 j 15:52	13°♐15'27	9.96838 AU
morning rise	-10784 Mar 09 j 10:27	15°♐26'24	
retrograde	-10784 Jun 22 j 04:02	23°♐43'35	
opposition	-10784 Aug 27 j 15:25	20°♐14'22	-2°59'35
min. Earth dist.	-10784 Aug 26 j 15:58	20°♐19'15	8.03590 AU
direct	-10784 Nov 02 j 12:59	16°♐44'39	
evening set	-10783 Feb 16 j 12:59	25°♐00'46	
conjunction	-10783 Mar 06 j 14:07	27°♐19'27	-2°25'58
minimum elong	-10783 Mar 06 j 14:07	27°♐19'27	2°26'35
max. Earth dist.	-10783 Mar 07 j 20:47	27°♐29'20	10.10692 AU
morning rise	-10783 Mar 24 j 13:14	29°♐37'22	
	-10783 Mar 27 j 13:21	0°♑	
retrograde	-10783 Jul 05 j 23:34	7°♑39'23	
opposition	-10783 Sep 10 j 12:42	4°♑12'04	-3°01'54
min. Earth dist.	-10783 Sep 09 j 15:07	4°♑16'30	8.18608 AU
direct	-10783 Nov 17 j 04:10	0°♑42'43	
evening set	-10782 Mar 03 j 08:09	8°♑49'00	
conjunction	-10782 Mar 21 j 06:44	11°♑04'17	-2°24'06
minimum elong	-10782 Mar 21 j 06:46	11°♑04'18	2°24'42
max. Earth dist.	-10782 Mar 22 j 10:01	11°♑12'55	10.26686 AU
morning rise	-10782 Apr 08 j 02:16	13°♑18'30	
retrograde	-10782 Jul 19 j 04:23	21°♑04'42	
opposition	-10782 Sep 23 j 23:16	17°♑39'27	-2°54'00
min. Earth dist.	-10782 Sep 23 j 04:36	17°♑43'14	8.35264 AU
direct	-10782 Dec 01 j 10:23	14°♑10'47	
evening set	-10781 Mar 17 j 12:46	22°♑05'55	
conjunction	-10781 Apr 04 j 08:28	24°♑17'42	-2°14'33
minimum elong	-10781 Apr 04 j 08:31	24°♑17'42	2°15'07
max. Earth dist.	-10781 Apr 05 j 06:44	24°♑24'36	10.43847 AU
morning rise	-10781 Apr 22 j 00:20	26°♑28'11	
	-10781 May 23 j 03:08	0°♒	
retrograde	-10781 Jul 31 j 19:58	3°♒59'04	
opposition	-10781 Oct 06 j 23:27	0°♒35'54	-2°37'26
min. Earth dist.	-10781 Oct 06 j 07:51	0°♒39'00	8.52604 AU
	-10781 Oct 14 j 12:34	30°℞♑	
direct	-10781 Dec 15 j 06:27	27°♑08'11	
	-10780 Feb 13 j 10:51	0°♒	
evening set	-10780 Mar 30 j 02:21	4°♒51'39	
conjunction	-10780 Apr 16 j 19:04	7°♒00'01	-1°58'36
minimum elong	-10780 Apr 16 j 19:08	7°♒00'02	1°59'06
max. Earth dist.	-10780 Apr 17 j 12:11	7°♒05'14	10.61234 AU
morning rise	-10780 May 04 j 07:16	9°♒06'57	
	-10780 Jul 03 j 00:04	15°♒	
retrograde	-10780 Aug 12 j 02:14	16°♒23'45	
	-10780 Sep 21 j 21:30	15°℞♒	
opposition	-10780 Oct 18 j 13:45	13°♒02'34	-2°14'03
min. Earth dist.	-10780 Oct 18 j 01:38	13°♒04'57	8.69732 AU
direct	-10780 Dec 27 j 13:55	9°♒36'01	
	-10779 Mar 24 j 05:15	15°♒	
evening set	-10779 Apr 12 j 02:00	17°♒08'07	
conjunction	-10779 Apr 29 j 15:38	19°♒13'19	-1°37'42
minimum elong	-10779 Apr 29 j 15:41	19°♒13'20	1°38'07
max. Earth dist.	-10779 Apr 30 j 03:35	19°♒16'54	10.77995 AU
morning rise	-10779 May 17 j 00:05	21°♒16'57	
retrograde	-10779 Aug 23 j 22:12	28°♒21'25	
opposition	-10779 Oct 30 j 19:22	25°♒02'05	-1°45'39
min. Earth dist.	-10779 Oct 30 j 11:38	25°♒03'35	8.85869 AU
direct	-10778 Jan 09 j 11:12	21°♒36'48	
evening set	-10778 Apr 24 j 13:01	28°♒58'25	
	-10778 May 03 j 08:48	0°♓	
conjunction	-10778 May 11 j 23:16	1°♓00'42	-1°13'14

Attention, astronomical year style is used: The year -10778 in astronomical counting style is the year 10779 BCE in historical counting style.

minimum elong	-10778 May 11 j 23:19	1°♓00'42	1°13'33
max. Earth dist.	-10778 May 12 j 05:50	1°♓02'37	10.93412 AU
morning rise	-10778 May 29 j 04:03	3°♓01'24	
retrograde	-10778 Sep 04 j 10:48	9°♓55'38	
opposition	-10778 Nov 11 j 17:55	6°♓37'58	-1°13'51
min. Earth dist.	-10778 Nov 11 j 15:29	6°♓38'26	9.00379 AU
direct	-10777 Jan 21 j 23:05	3°♓13'58	
evening set	-10777 May 06 j 12:50	10°♓26'20	
conjunction	-10777 May 23 j 19:27	12°♓26'02	-0°46'27
minimum elong	-10777 May 23 j 19:29	12°♓26'02	0°46'41
max. Earth dist.	-10777 May 23 j 19:28	12°♓26'02	11.06907 AU
morning rise	-10777 Jun 09 j 20:49	14°♓24'12	
retrograde	-10777 Sep 15 j 16:23	21°♓10'28	
opposition	-10777 Nov 23 j 10:37	17°♓54'09	-0°40'08
min. Earth dist.	-10777 Nov 23 j 13:02	17°♓53'42	9.12740 AU
direct	-10776 Feb 03 j 01:44	14°♓31'27	
evening set	-10776 May 17 j 03:30	21°♓36'05	
conjunction	-10776 Jun 03 j 06:30	23°♓33'34	-0°18'30
minimum elong	-10776 Jun 03 j 06:31	23°♓33'34	0°18'38
max. Earth dist.	-10776 Jun 03 j 00:25	23°♓31'49	11.18021 AU
morning rise	-10776 Jun 20 j 04:34	25°♓29'38	
	-10776 Aug 04 j 17:41	0°♈	
retrograde	-10776 Sep 25 j 18:18	2°♈10'13	
	-10776 Nov 19 j 00:29	30°℞♓	
opposition	-10776 Dec 03 j 22:47	28°♓54'57	-0°05'44
min. Earth dist.	-10776 Dec 04 j 05:09	28°♓53'46	9.22535 AU
asc. node	-10775 Feb 04 j 06:08	25°♓37'52	
direct	-10775 Feb 13 j 23:25	25°♓33'27	
	-10775 May 04 j 15:43	0°♈	
evening set	-10775 May 28 j 10:51	2°♈32'00	
conjunction	-10775 Jun 14 j 10:20	4°♈27'39	0°09'43
minimum elong	-10775 Jun 14 j 10:20	4°♈27'39	0°09'42
behind sun begin	-10775 Jun 14 j 04:33	4°♈26'01	
behind sun end	-10775 Jun 14 j 16:07	4°♈29'17	
max. Earth dist.	-10775 Jun 13 j 23:52	4°♈24'40	11.26389 AU
morning rise	-10775 Jul 01 j 05:02	6°♈22'02	
retrograde	-10775 Oct 06 j 20:05	12°♈59'14	
opposition	-10775 Dec 15 j 08:33	9°♈44'41	0°28'15
min. Earth dist.	-10775 Dec 15 j 18:57	9°♈42'47	9.29451 AU
direct	-10774 Feb 25 j 13:34	6°♈24'18	
evening set	-10774 Jun 08 j 12:45	13°♈18'24	
conjunction	-10774 Jun 25 j 08:40	15°♈12'39	0°37'09
minimum elong	-10774 Jun 25 j 08:38	15°♈12'39	0°37'15
max. Earth dist.	-10774 Jun 24 j 17:53	15°♈08'26	11.31749 AU
morning rise	-10774 Jul 12 j 00:14	17°♈05'48	
retrograde	-10774 Oct 17 j 19:29	23°♈41'52	
opposition	-10774 Dec 26 j 17:23	20°♈27'42	1°00'53
min. Earth dist.	-10774 Dec 27 j 08:16	20°♈24'59	9.33287 AU
direct	-10773 Mar 08 j 22:51	17°♈08'11	
evening set	-10773 Jun 19 j 11:13	23°♈59'36	
max. Earth dist.	-10773 Jul 05 j 07:56	25°♈47'16	11.33955 AU
conjunction	-10773 Jul 06 j 03:37	25°♈52'52	1°03'08
minimum elong	-10773 Jul 06 j 03:34	25°♈52'51	1°03'21
morning rise	-10773 Jul 22 j 16:33	27°♈45'15	
	-10773 Aug 12 j 16:49	0°♉	
retrograde	-10773 Oct 28 j 20:41	4°♉22'22	
opposition	-10772 Jan 07 j 02:28	1°♉08'11	1°31'18
min. Earth dist.	-10772 Jan 07 j 21:14	1°♉04'47	9.33930 AU
	-10772 Jan 23 j 02:18	30°℞♈	
direct	-10772 Mar 19 j 07:17	27°♈49'20	
	-10772 May 12 j 09:44	0°♉	
evening set	-10772 Jun 29 j 07:47	4°♉39'46	
conjunction	-10772 Jul 15 j 21:07	6°♉32'31	1°26'54
minimum elong	-10772 Jul 15 j 21:04	6°♉32'30	1°27'13
max. Earth dist.	-10772 Jul 14 j 21:59	6°♉25'54	11.32937 AU
morning rise	-10772 Aug 01 j 07:48	8°♉24'37	
	-10772 Oct 29 j 00:56	15°♉	
retrograde	-10772 Nov 08 j 00:57	15°♉04'55	
	-10772 Nov 18 j 03:38	15°℞♉	
opposition	-10771 Jan 17 j 13:28	11°♉50'20	1°58'38
min. Earth dist.	-10771 Jan 18 j 10:26	11°♉46'32	9.31330 AU
direct	-10771 Mar 30 j 14:31	8°♉31'56	
	-10771 Jul 06 j 17:56	15°♉	
evening set	-10771 Jul 10 j 04:14	15°♉23'01	
conjunction	-10771 Jul 26 j 15:05	17°♉15'45	1°47'44
minimum elong	-10771 Jul 26 j 15:02	17°♉15'44	1°48'08
max. Earth dist.	-10771 Jul 25 j 14:07	17°♉08'34	11.28691 AU
morning rise	-10771 Aug 11 j 23:52	19°♉08'03	
retrograde	-10771 Nov 19 j 12:05	25°♉53'37	
opposition	-10770 Jan 29 j 03:58	22°♉38'17	2°22'06
min. Earth dist.	-10770 Jan 30 j 02:45	22°♉34'09	9.25532 AU
direct	-10770 Apr 10 j 22:20	19°♉20'04	
evening set	-10770 Jul 21 j 02:30	26°♉13'27	
max. Earth dist.	-10770 Aug 05 j 08:10	27°♉58'47	11.21316 AU
conjunction	-10770 Aug 06 j 11:23	28°♉06'42	2°04'57
minimum elong	-10770 Aug 06 j 11:21	28°♉06'41	2°05'25
morning rise	-10770 Aug 22 j 19:10	29°♉59'46	
	-10770 Aug 22 j 19:59	0°♊	
retrograde	-10770 Dec 01 j 03:20	6°♊52'34	
opposition	-10769 Feb 09 j 23:17	3°♊36'08	2°40'50
min. Earth dist.	-10769 Feb 11 j 00:07	3°♊31'36	9.16669 AU
direct	-10769 Apr 22 j 06:31	0°♊17'50	
evening set	-10769 Aug 01 j 04:07	7°♊15'12	
max. Earth dist.	-10769 Aug 16 j 06:34	9°♊00'54	11.10981 AU
conjunction	-10769 Aug 17 j 11:52	9°♊09'30	2°17'49
minimum elong	-10769 Aug 17 j 11:49	9°♊09'30	2°18'21
morning rise	-10769 Sep 02 j 19:42	11°♊03'57	
retrograde	-10769 Dec 13 j 03:31	18°♊05'59	
opposition	-10768 Feb 22 j 00:43	14°♊48'08	2°54'00
min. Earth dist.	-10768 Feb 23 j 02:40	14°♊43'22	9.04942 AU
direct	-10768 May 02 j 20:36	11°♊29'30	
evening set	-10768 Aug 11 j 10:57	18°♊32'30	
conjunction	-10768 Aug 27 j 18:44	20°♊28'31	2°25'39
minimum elong	-10768 Aug 27 j 18:43	20°♊28'30	2°26'14
max. Earth dist.	-10768 Aug 26 j 13:42	20°♊19'51	10.97954 AU
morning rise	-10768 Sep 13 j 03:31	22°♊24'56	
retrograde	-10768 Dec 24 j 13:23	29°♊38'06	
opposition	-10767 Mar 05 j 09:35	26°♊18'33	3°00'42
min. Earth dist.	-10767 Mar 06 j 10:40	26°♊13'54	8.90721 AU
direct	-10767 May 14 j 15:02	22°♊59'24	
	-10767 Aug 21 j 16:38	0°♋	
evening set	-10767 Aug 23 j 00:53	0°♋09'33	
max. Earth dist.	-10767 Sep 07 j 06:41	1°♋59'36	10.82719 AU
conjunction	-10767 Sep 08 j 09:57	2°♋07'53	2°27'46
minimum elong	-10767 Sep 08 j 09:58	2°♋07'53	2°28'23
morning rise	-10767 Sep 24 j 20:50	4°♋06'56	
retrograde	-10766 Jan 06 j 11:02	11°♋32'49	
opposition	-10766 Mar 18 j 03:19	8°♋11'20	3°00'04
min. Earth dist.	-10766 Mar 19 j 02:00	8°♋07'04	8.74584 AU
direct	-10766 May 26 j 16:49	4°♋51'26	
evening set	-10766 Sep 03 j 23:47	12°♋10'03	
max. Earth dist.	-10766 Sep 19 j 10:01	14°♋03'30	10.65917 AU
conjunction	-10766 Sep 20 j 11:20	14°♋11'20	2°23'32

Attention, astronomical year style is used: The year -10766 in astronomical counting style is the year 10767 BCE in historical counting style.

minimum elong	-10766 Sep 20 j 11:21	14°♋11'20	2°24'08
morning rise	-10766 Oct 07 j 01:46	16°♋13'38	
retrograde	-10765 Jan 19 j 21:10	23°♋53'24	
opposition	-10765 Mar 31 j 06:38	20°♋29'51	2°51'18
min. Earth dist.	-10765 Apr 01 j 02:31	20°♋26'03	8.57222 AU
direct	-10765 Jun 08 j 01:54	17°♋08'59	
evening set	-10765 Sep 16 j 09:30	24°♋37'09	
max. Earth dist.	-10765 Oct 02 j 02:31	26°♋34'55	10.48286 AU
conjunction	-10765 Oct 03 j 00:44	26°♋41'55	2°12'30
minimum elong	-10765 Oct 03 j 00:47	26°♋41'56	2°13'03
morning rise	-10765 Oct 19 j 20:02	28°♋48'02	
	-10765 Oct 29 j 16:59	0°♌	
retrograde	-10764 Feb 02 j 18:25	6°♌42'20	
opposition	-10764 Apr 12 j 19:50	3°♌16'38	2°33'51
min. Earth dist.	-10764 Apr 13 j 12:14	3°♌13'27	8.39434 AU
	-10764 Jun 09 j 21:45	30°℞♋	
direct	-10764 Jun 19 j 20:16	29°♋54'38	
	-10764 Jun 29 j 19:18	0°♌	
evening set	-10764 Sep 28 j 07:25	7°♌33'14	
max. Earth dist.	-10764 Oct 14 j 10:31	9°♌36'26	10.30667 AU
conjunction	-10764 Oct 15 j 03:38	9°♌41'55	1°54'26
minimum elong	-10764 Oct 15 j 03:42	9°♌41'57	1°54'56
morning rise	-10764 Nov 01 j 04:48	11°♌52'14	
	-10764 Nov 27 j 10:10	15°♌	
retrograde	-10763 Feb 16 j 02:30	20°♌01'07	
opposition	-10763 Apr 26 j 19:15	16°♌33'18	2°07'35
min. Earth dist.	-10763 Apr 27 j 06:50	16°♌31'01	8.22121 AU
	-10763 May 17 j 05:50	15°℞♌	
direct	-10763 Jul 03 j 03:26	13°♌10'03	
	-10763 Aug 17 j 06:18	15°♌	
evening set	-10763 Oct 11 j 18:49	20°♌59'29	
conjunction	-10763 Oct 28 j 21:03	23°♌12'22	1°29'35
minimum elong	-10763 Oct 28 j 21:07	23°♌12'23	1°29'58
max. Earth dist.	-10763 Oct 28 j 10:55	23°♌09'04	10.13984 AU
morning rise	-10763 Nov 15 j 04:43	25°♌27'04	
	-10763 Dec 24 j 01:38	0°♍	
retrograde	-10762 Mar 02 j 22:56	3°♍49'42	
opposition	-10762 May 11 j 04:07	0°♍19'55	1°32'59
min. Earth dist.	-10762 May 11 j 09:42	0°♍18'47	8.06242 AU
	-10762 May 15 j 07:22	30°℞♌	
direct	-10762 Jul 16 j 20:32	26°♌55'23	
	-10762 Sep 13 j 14:07	0°♍	
evening set	-10762 Oct 25 j 20:52	4°♍55'36	
conjunction	-10762 Nov 12 j 05:34	7°♍12'37	0°58'44
minimum elong	-10762 Nov 12 j 05:37	7°♍12'38	0°59'00
max. Earth dist.	-10762 Nov 12 j 03:08	7°♍11'49	9.99198 AU
morning rise	-10762 Nov 29 j 19:55	9°♍31'33	
retrograde	-10761 Mar 18 j 05:08	18°♍06'04	
opposition	-10761 May 25 j 21:01	14°♍34'37	0°51'27
min. Earth dist.	-10761 May 25 j 19:55	14°♍34'50	7.92764 AU
direct	-10761 Jul 30 j 23:13	11°♍08'48	
evening set	-10761 Nov 09 j 13:21	19°♍19'11	
conjunction	-10761 Nov 27 j 04:18	21°♍39'55	0°23'24
minimum elong	-10761 Nov 27 j 04:19	21°♍39'55	0°23'32
max. Earth dist.	-10761 Nov 27 j 09:43	21°♍41'43	9.87255 AU
morning rise	-10761 Dec 15 j 00:51	24°♍02'32	
	-10760 Feb 04 j 20:38	0°♎	
retrograde	-10760 Apr 01 j 18:23	2°♎46'00	
	-10760 May 30 j 09:10	30°℞♍	
opposition	-10760 Jun 08 j 20:21	29°♍13'19	0°05'21
min. Earth dist.	-10760 Jun 08 j 12:47	29°♍14'53	7.82591 AU
desc. node	-10760 Jul 21 j 06:12	26°♍17'17	
direct	-10760 Aug 13 j 11:27	25°♍46'16	
	-10760 Oct 21 j 13:37	0°♎	
evening set	-10760 Nov 23 j 18:50	4°♎05'25	
conjunction	-10760 Dec 11 j 15:15	6°♎29'02	-0°14'16
minimum elong	-10760 Dec 11 j 15:14	6°♎29'02	0°14'18
behind sun begin	-10760 Dec 11 j 11:56	6°♎27'56	
behind sun end	-10760 Dec 11 j 18:33	6°♎30'08	
max. Earth dist.	-10760 Dec 12 j 04:27	6°♎33'29	9.78993 AU
morning rise	-10760 Dec 29 j 16:53	8°♎54'24	
retrograde	-10759 Apr 17 j 10:38	17°♎42'58	
opposition	-10759 Jun 23 j 23:26	14°♎09'33	-0°42'06
min. Earth dist.	-10759 Jun 23 j 10:09	14°♎12'20	7.76463 AU
direct	-10759 Aug 28 j 09:09	10°♎41'22	
evening set	-10759 Dec 09 j 11:08	19°♎07'09	
conjunction	-10759 Dec 27 j 11:45	21°♎32'33	-0°51'25
minimum elong	-10759 Dec 27 j 11:42	21°♎32'32	0°51'35
max. Earth dist.	-10759 Dec 28 j 07:52	21°♎39'21	9.75029 AU
morning rise	-10758 Jan 14 j 16:46	23°♎59'21	
	-10758 Mar 07 j 09:08	0°♏	
retrograde	-10758 May 03 j 00:59	2°♏48'25	
	-10758 Jun 30 j 03:39	30°℞♎	
min. Earth dist.	-10758 Jul 08 j 09:16	29°♎18'39	7.74842 AU
opposition	-10758 Jul 09 j 03:02	29°♎14'54	-1°27'06
direct	-10758 Sep 12 j 12:43	25°♎45'47	
	-10758 Nov 20 j 19:35	0°♏	
evening set	-10758 Dec 25 j 10:09	4°♏15'19	
conjunction	-10757 Jan 12 j 13:20	6°♏41'10	-1°25'13
minimum elong	-10757 Jan 12 j 13:15	6°♏41'08	1°25'32
max. Earth dist.	-10757 Jan 13 j 14:58	6°♏49'48	9.75677 AU
morning rise	-10757 Jan 30 j 19:45	9°♏07'58	
	-10757 Mar 22 j 04:18	15°♏	
retrograde	-10757 May 18 j 10:01	17°♏52'49	
	-10757 Jul 16 j 04:53	15°℞♏	
min. Earth dist.	-10757 Jul 23 j 07:20	14°♏24'13	7.77855 AU
opposition	-10757 Jul 24 j 04:14	14°♏19'48	-2°06'00
direct	-10757 Sep 27 j 19:06	10°♏50'01	
	-10757 Dec 05 j 20:57	15°♏	
evening set	-10756 Jan 10 j 10:46	19°♏19'53	
conjunction	-10756 Jan 28 j 14:50	21°♏44'52	-1°53'01
minimum elong	-10756 Jan 28 j 14:46	21°♏44'51	1°53'27
max. Earth dist.	-10756 Jan 29 j 20:23	21°♏54'45	9.80896 AU
morning rise	-10756 Feb 15 j 20:45	24°♏10'19	
	-10756 Apr 06 j 09:19	0°♐	
retrograde	-10756 Jun 01 j 10:23	2°♐46'35	
	-10756 Jul 28 j 22:56	30°℞♏	
opposition	-10756 Aug 06 j 23:58	29°♏14'39	-2°35'47
min. Earth dist.	-10756 Aug 06 j 00:58	29°♏19'29	7.85269 AU
direct	-10756 Oct 12 j 00:49	25°♏44'32	
	-10756 Dec 21 j 14:56	0°♐	
evening set	-10755 Jan 25 j 08:06	4°♐11'13	
conjunction	-10755 Feb 12 j 11:42	6°♐34'14	-2°12'54
minimum elong	-10755 Feb 12 j 11:38	6°♐34'13	2°13'26
max. Earth dist.	-10755 Feb 13 j 19:13	6°♐44'39	9.90303 AU
morning rise	-10755 Mar 02 j 15:38	8°♐57'12	
retrograde	-10755 Jun 15 j 23:39	17°♐21'18	
min. Earth dist.	-10755 Aug 20 j 11:45	13°♐55'56	7.96531 AU
opposition	-10755 Aug 21 j 11:38	13°♐50'56	-2°54'40
direct	-10755 Oct 27 j 02:23	10°♐20'52	
evening set	-10754 Feb 09 j 21:26	18°♐41'10	
conjunction	-10754 Feb 27 j 23:33	21°♐01'25	-2°23'53
minimum elong	-10754 Feb 27 j 23:31	21°♐01'24	2°24'29

Attention, astronomical year style is used: The year -10754 in astronomical counting style is the year 10755 BCE in historical counting style.

max. Earth dist.	-10754 Mar 01 j 07:04	21°♐11'40	10.03208 AU
morning rise	-10754 Mar 18 j 00:28	23°♐21'07	
	-10754 May 20 j 05:28	0°♑	
retrograde	-10754 Jun 30 j 00:59	1°♑30'39	
	-10754 Aug 10 j 08:01	30°℞♐	
opposition	-10754 Sep 04 j 13:53	28°♐02'15	-3°02'08
min. Earth dist.	-10754 Sep 03 j 14:17	28°♐07'07	8.10838 AU
direct	-10754 Nov 10 j 21:42	24°♐32'36	
	-10753 Feb 02 j 05:34	0°♑	
evening set	-10753 Feb 24 j 23:03	2°♑43'54	
conjunction	-10753 Mar 14 j 22:56	5°♑00'52	-2°25'57
minimum elong	-10753 Mar 14 j 22:56	5°♑00'52	2°26'34
max. Earth dist.	-10753 Mar 16 j 04:49	5°♑10'24	10.18724 AU
morning rise	-10753 Apr 01 j 20:15	7°♑16'53	
retrograde	-10753 Jul 13 j 12:51	15°♑10'44	
min. Earth dist.	-10753 Sep 17 j 07:43	11°♑48'59	8.27255 AU
opposition	-10753 Sep 18 j 05:41	11°♑44'31	-2°58'47
direct	-10753 Nov 25 j 07:57	8°♑15'38	
evening set	-10752 Mar 10 j 10:49	16°♑16'11	
conjunction	-10752 Mar 28 j 08:04	18°♑29'38	-2°19'47
minimum elong	-10752 Mar 28 j 08:06	18°♑29'39	2°20'23
max. Earth dist.	-10752 Mar 29 j 10:52	18°♑38'02	10.35880 AU
morning rise	-10752 Apr 15 j 01:35	20°♑41'52	
retrograde	-10752 Jul 25 j 12:12	28°♑19'59	
opposition	-10752 Sep 30 j 10:52	24°♑56'02	-2°45'58
min. Earth dist.	-10752 Sep 29 j 16:17	24°♑59'45	8.44811 AU
direct	-10752 Dec 08 j 07:29	21°♑28'10	
evening set	-10751 Mar 24 j 07:56	29°♑17'08	
	-10751 Mar 30 j 05:40	0°♒	
conjunction	-10751 Apr 11 j 02:13	1°♒27'05	-2°06'36
minimum elong	-10751 Apr 11 j 02:16	1°♒27'06	2°07'08
max. Earth dist.	-10751 Apr 12 j 00:03	1°♒33'47	10.53689 AU
morning rise	-10751 Apr 28 j 16:01	3°♒35'37	
retrograde	-10751 Aug 07 j 00:14	10°♒58'50	
opposition	-10751 Oct 13 j 06:04	7°♒37'07	-2°25'28
min. Earth dist.	-10751 Oct 12 j 15:53	7°♒39'55	8.62547 AU
direct	-10751 Dec 21 j 20:03	4°♒10'27	
evening set	-10750 Apr 06 j 14:35	11°♒47'45	
conjunction	-10750 Apr 24 j 05:36	13°♒54'21	-1°47'47
minimum elong	-10750 Apr 24 j 05:40	13°♒54'22	1°48'14
max. Earth dist.	-10750 Apr 24 j 20:57	13°♒58'59	10.71214 AU
	-10750 May 03 j 07:55	15°♒	
morning rise	-10750 May 11 j 15:45	15°♒59'26	
retrograde	-10750 Aug 18 j 23:21	23°♒09'19	
opposition	-10750 Oct 25 j 15:58	19°♒49'39	-1°59'06
min. Earth dist.	-10750 Oct 25 j 06:24	19°♒51'30	8.79579 AU
direct	-10749 Jan 03 j 23:54	16°♒24'15	
evening set	-10749 Apr 19 j 07:39	23°♒50'31	
conjunction	-10749 May 06 j 19:20	25°♒54'01	-1°24'46
minimum elong	-10749 May 06 j 19:23	25°♒54'02	1°25'08
max. Earth dist.	-10749 May 07 j 03:54	25°♒56'34	10.87619 AU
morning rise	-10749 May 24 j 01:56	27°♒55'58	
	-10749 Jun 11 j 13:07	0°♓	
retrograde	-10749 Aug 30 j 15:13	4°♓54'33	
opposition	-10749 Nov 06 j 17:47	1°♓36'39	-1°28'40
min. Earth dist.	-10749 Nov 06 j 12:29	1°♓37'39	8.95119 AU
	-10749 Nov 28 j 18:25	30°℞♒	
direct	-10748 Jan 16 j 17:17	28°♒12'34	
	-10748 Mar 04 j 21:20	0°♓	
evening set	-10748 Apr 30 j 12:36	5°♓28'54	
conjunction	-10748 May 17 j 20:57	7°♓29'40	-0°58'53
minimum elong	-10748 May 17 j 20:59	7°♓29'40	0°59'09
max. Earth dist.	-10748 May 17 j 23:41	7°♓30'28	11.02167 AU
morning rise	-10748 Jun 03 j 23:58	9°♓28'53	
retrograde	-10748 Sep 10 j 01:12	16°♓18'25	
opposition	-10748 Nov 17 j 13:02	13°♓02'00	-0°55'39
min. Earth dist.	-10748 Nov 17 j 12:42	13°♓02'04	9.08506 AU
direct	-10747 Jan 27 j 23:33	9°♓39'14	
evening set	-10747 May 12 j 07:36	16°♓47'08	
conjunction	-10747 May 29 j 12:26	18°♓45'32	-0°31'20
minimum elong	-10747 May 29 j 12:28	18°♓45'32	0°31'30
max. Earth dist.	-10747 May 29 j 09:27	18°♓44'40	11.14298 AU
morning rise	-10747 Jun 15 j 11:53	20°♓42'27	
retrograde	-10747 Sep 21 j 05:20	27°♓25'18	
opposition	-10747 Nov 29 j 03:25	24°♓10'03	-0°21'26
min. Earth dist.	-10747 Nov 29 j 08:38	24°♓09'05	9.19310 AU
direct	-10746 Feb 08 j 23:15	20°♓48'26	
evening set	-10746 May 23 j 18:32	27°♓49'34	
conjunction	-10746 Jun 09 j 19:36	29°♓45'58	-0°03'12
minimum elong	-10746 Jun 09 j 19:37	29°♓45'58	0°03'16
behind sun begin	-10746 Jun 09 j 12:38	29°♓44'00	
behind sun end	-10746 Jun 10 j 02:37	29°♓47'57	
max. Earth dist.	-10746 Jun 09 j 10:19	29°♓43'19	11.23685 AU
	-10746 Jun 11 j 20:34	0°♈	
morning rise	-10746 Jun 26 j 15:47	1°♈41'02	
asc. node	-10746 Jul 22 j 02:54	4°♈23'11	
retrograde	-10746 Oct 02 j 06:06	8°♈19'30	
opposition	-10746 Dec 10 j 14:31	5°♈05'01	0°12'52
min. Earth dist.	-10746 Dec 11 j 00:43	5°♈03'09	9.27266 AU
direct	-10745 Feb 20 j 16:22	1°♈44'24	
evening set	-10745 Jun 03 j 22:53	8°♈40'22	
conjunction	-10745 Jun 20 j 20:19	10°♈35'12	0°24'46
minimum elong	-10745 Jun 20 j 20:19	10°♈35'12	0°24'49
max. Earth dist.	-10745 Jun 20 j 05:31	10°♈30'59	11.30103 AU
morning rise	-10745 Jul 07 j 13:28	12°♈28'52	
retrograde	-10745 Oct 13 j 05:15	19°♈05'12	
opposition	-10745 Dec 21 j 23:35	15°♈51'04	0°46'13
min. Earth dist.	-10745 Dec 22 j 13:23	15°♈48'33	9.32163 AU
direct	-10744 Mar 03 j 05:38	12°♈31'15	
evening set	-10744 Jun 13 j 22:46	19°♈23'45	
conjunction	-10744 Jun 30 j 16:51	21°♈17'26	0°51'30
minimum elong	-10744 Jun 30 j 16:49	21°♈17'26	0°51'40
max. Earth dist.	-10744 Jun 29 j 22:26	21°♈12'11	11.33382 AU
morning rise	-10744 Jul 17 j 07:00	23°♈10'07	
retrograde	-10744 Oct 23 j 07:04	29°♈46'30	
opposition	-10743 Jan 01 j 08:09	26°♈32'21	1°17'44
min. Earth dist.	-10743 Jan 02 j 01:19	26°♈29'14	9.33872 AU
direct	-10743 Mar 14 j 14:54	23°♈13'09	
evening set	-10743 Jun 24 j 19:58	0°♉03'51	
	-10743 Jun 24 j 06:08	0°♉	
conjunction	-10743 Jul 11 j 10:50	1°♉56'51	1°16'21
minimum elong	-10743 Jul 11 j 10:48	1°♉56'50	1°16'38
max. Earth dist.	-10743 Jul 10 j 12:58	1°♉50'36	11.33441 AU
morning rise	-10743 Jul 27 j 22:23	3°♉49'01	
retrograde	-10743 Nov 03 j 08:53	10°♉27'37	
opposition	-10742 Jan 12 j 18:10	7°♉13'04	1°46'34
min. Earth dist.	-10742 Jan 13 j 15:02	7°♉09'17	9.32365 AU
direct	-10742 Mar 25 j 21:00	3°♉54'14	
evening set	-10742 Jul 05 j 16:06	10°♉44'52	
max. Earth dist.	-10742 Jul 21 j 02:18	12°♉30'13	11.30304 AU
conjunction	-10742 Jul 22 j 04:01	12°♉37'35	1°38'36
minimum elong	-10742 Jul 22 j 03:57	12°♉37'35	1°38'58

Attention, astronomical year style is used: The year -10742 in astronomical counting style is the year 10743 BCE in historical counting style.

morning rise	-10742 Aug 07 j 13:40	14°♉29'47	
	-10742 Aug 12 j 01:57	15°♉	
retrograde	-10742 Nov 14 j 15:47	21°♉12'42	
opposition	-10741 Jan 24 j 06:46	17°♉57'25	2°11'54
min. Earth dist.	-10741 Jan 25 j 06:21	17°♉53'09	9.27697 AU
	-10741 Mar 15 j 18:15	15°℞♉	
direct	-10741 Apr 06 j 04:56	14°♉38'43	
	-10741 Apr 27 j 10:03	15°♉	
evening set	-10741 Jul 16 j 13:04	21°♉30'57	
conjunction	-10741 Aug 01 j 22:45	23°♉23'58	1°57'33
minimum elong	-10741 Aug 01 j 22:42	23°♉23'57	1°58'00
max. Earth dist.	-10741 Jul 31 j 19:12	23°♉15'59	11.24069 AU
morning rise	-10741 Aug 18 j 07:05	25°♉16'41	
	-10741 Oct 05 j 04:40	0°♊	
retrograde	-10741 Nov 26 j 03:19	2°♊05'58	
	-10740 Jan 19 j 11:46	30°℞♉	
opposition	-10740 Feb 04 j 23:09	28°♉49'36	2°32'56
min. Earth dist.	-10740 Feb 05 j 23:47	28°♉45'07	9.19998 AU
direct	-10740 Apr 16 j 12:57	25°♉30'51	
	-10740 Jul 04 j 03:44	0°♊	
evening set	-10740 Jul 26 j 12:34	2°♊26'22	
conjunction	-10740 Aug 11 j 20:54	4°♊20'12	2°12'31
minimum elong	-10740 Aug 11 j 20:51	4°♊20'11	2°13'01
max. Earth dist.	-10740 Aug 10 j 16:58	4°♊12'02	11.14911 AU
morning rise	-10740 Aug 28 j 04:33	6°♊14'00	
retrograde	-10740 Dec 07 j 00:36	13°♊11'39	
opposition	-10739 Feb 15 j 21:15	9°♊53'57	2°48'47
min. Earth dist.	-10739 Feb 16 j 21:58	9°♊49'25	9.09488 AU
direct	-10739 Apr 28 j 00:38	6°♊34'59	
evening set	-10739 Aug 06 j 16:25	13°♊35'19	
max. Earth dist.	-10739 Aug 21 j 19:34	15°♊22'04	11.03115 AU
conjunction	-10739 Aug 23 j 00:10	15°♊30'33	2°22'46
minimum elong	-10739 Aug 23 j 00:08	15°♊30'32	2°23'20
morning rise	-10739 Sep 08 j 08:17	17°♊26'03	
retrograde	-10739 Dec 19 j 05:48	24°♊33'53	
opposition	-10738 Feb 28 j 02:27	21°♊14'39	2°58'36
min. Earth dist.	-10738 Mar 01 j 03:13	21°♊10'04	8.96504 AU
direct	-10738 May 09 j 14:37	17°♊55'16	
evening set	-10738 Aug 18 j 02:37	25°♊01'59	
max. Earth dist.	-10738 Sep 02 j 06:27	26°♊50'39	10.89073 AU
conjunction	-10738 Sep 03 j 10:51	26°♊59'12	2°27'37
minimum elong	-10738 Sep 03 j 10:51	26°♊59'12	2°28'13
morning rise	-10738 Sep 19 j 20:43	28°♊57'01	
	-10738 Sep 28 j 21:16	0°♋	
retrograde	-10738 Dec 31 j 20:03	6°♋16'45	
opposition	-10737 Mar 12 j 15:37	2°♋55'45	3°01'27
min. Earth dist.	-10737 Mar 13 j 15:33	2°♋51'16	8.81491 AU
	-10737 Apr 29 j 10:30	30°℞♊	
direct	-10737 May 21 j 12:53	29°♊35'46	
	-10737 Jun 12 j 08:14	0°♋	
evening set	-10737 Aug 29 j 20:45	6°♋50'17	
max. Earth dist.	-10737 Sep 14 j 04:50	8°♋42'09	10.73277 AU
conjunction	-10737 Sep 15 j 06:55	8°♋50'08	2°26'24
minimum elong	-10737 Sep 15 j 06:56	8°♋50'09	2°27'01
morning rise	-10737 Oct 01 j 19:40	10°♋50'53	
retrograde	-10736 Jan 13 j 23:31	18°♋23'54	
opposition	-10736 Mar 24 j 13:59	15°♋01'00	2°56'32
min. Earth dist.	-10736 Mar 25 j 11:19	14°♋56'57	8.64999 AU
direct	-10736 Jun 01 j 18:53	11°♋40'17	
evening set	-10736 Sep 10 j 00:44	19°♋03'47	
conjunction	-10736 Sep 26 j 14:08	21°♋06'51	2°18'34
minimum elong	-10736 Sep 26 j 14:10	21°♋06'52	2°19'09
max. Earth dist.	-10736 Sep 25 j 16:04	20°♋59'58	10.56335 AU
morning rise	-10736 Oct 13 j 06:55	23°♋11'06	
	-10736 Dec 23 j 08:36	0°♌	
retrograde	-10735 Jan 26 j 15:25	0°♌58'23	
	-10735 Mar 02 j 11:16	30°℞♋	
opposition	-10735 Apr 06 j 22:16	27°♋33'30	2°43'08
min. Earth dist.	-10735 Apr 07 j 15:18	27°♋30'14	8.47718 AU
direct	-10735 Jun 14 j 08:39	24°♋11'58	
	-10735 Sep 08 j 04:31	0°♌	
evening set	-10735 Sep 22 j 16:28	1°♌45'25	
conjunction	-10735 Oct 09 j 10:17	3°♌52'12	2°03'45
minimum elong	-10735 Oct 09 j 10:21	3°♌52'13	2°04'17
max. Earth dist.	-10735 Oct 08 j 16:39	3°♌46'35	10.39012 AU
morning rise	-10735 Oct 26 j 08:23	6°♌00'26	
retrograde	-10734 Feb 09 j 19:32	14°♌02'20	
opposition	-10734 Apr 20 j 16:47	10°♌35'30	2°20'54
min. Earth dist.	-10734 Apr 21 j 04:58	10°♌33'07	8.30480 AU
direct	-10734 Jun 27 j 08:47	7°♌12'59	
evening set	-10734 Oct 05 j 21:26	14°♌57'04	
	-10734 Oct 06 j 06:43	15°♌	
conjunction	-10734 Oct 22 j 20:41	17°♌07'54	1°41'59
minimum elong	-10734 Oct 22 j 20:45	17°♌07'55	1°42'25
max. Earth dist.	-10734 Oct 22 j 08:11	17°♌03'51	10.22178 AU
morning rise	-10734 Nov 09 j 01:08	19°♌20'27	
retrograde	-10733 Feb 24 j 11:49	27°♌36'31	
opposition	-10733 May 04 j 21:15	24°♌07'51	1°50'02
min. Earth dist.	-10733 May 05 j 04:15	24°♌06'28	8.14199 AU
direct	-10733 Jul 10 j 19:28	20°♌44'14	
evening set	-10733 Oct 19 j 16:37	28°♌39'09	
	-10733 Oct 30 j 01:15	0°♍	
conjunction	-10733 Nov 05 j 21:59	0°♍54'07	1°13'45
minimum elong	-10733 Nov 05 j 22:02	0°♍54'08	1°14'04
max. Earth dist.	-10733 Nov 05 j 15:49	0°♍52'05	10.06769 AU
morning rise	-10733 Nov 23 j 09:11	3°♍10'59	
retrograde	-10732 Mar 10 j 13:53	11°♍39'50	
opposition	-10732 May 18 j 10:37	8°♍09'33	1°11'28
min. Earth dist.	-10732 May 18 j 12:09	8°♍09'15	7.99848 AU
direct	-10732 Jul 23 j 17:34	4°♍44'48	
evening set	-10732 Nov 02 j 02:17	12°♍50'09	
conjunction	-10732 Nov 19 j 14:03	15°♍09'01	0°40'15
minimum elong	-10732 Nov 19 j 14:06	15°♍09'01	0°40'26
max. Earth dist.	-10732 Nov 19 j 15:36	15°♍09'31	9.93748 AU
morning rise	-10732 Dec 07 j 07:48	17°♍29'50	
retrograde	-10731 Mar 25 j 23:37	26°♍09'00	
opposition	-10731 Jun 02 j 07:18	22°♍37'24	0°27'08
min. Earth dist.	-10731 Jun 02 j 02:53	22°♍38'18	7.88366 AU
direct	-10731 Aug 07 j 02:46	19°♍11'29	
evening set	-10731 Nov 17 j 01:46	27°♍26'10	
conjunction	-10731 Dec 04 j 19:33	29°♍48'19	0°03'26
minimum elong	-10731 Dec 04 j 19:34	29°♍48'19	0°03'28
behind sun begin	-10731 Dec 04 j 12:19	29°♍45'54	
behind sun end	-10731 Dec 05 j 02:49	29°♍50'44	
max. Earth dist.	-10731 Dec 05 j 05:09	29°♍51'31	9.83975 AU
	-10731 Dec 06 j 06:19	0°♎	
morning rise	-10731 Dec 22 j 18:59	2°♎12'19	
desc. node	-10730 Jan 07 j 22:55	4°♎16'39	
retrograde	-10730 Apr 10 j 13:35	10°♎58'18	
opposition	-10730 Jun 17 j 08:49	7°♎25'48	-0°20'06
min. Earth dist.	-10730 Jun 16 j 22:32	7°♎27'57	7.80509 AU
direct	-10730 Aug 21 j 21:32	3°♎58'45	
evening set	-10730 Dec 02 j 13:16	12°♎20'59	

Attention, astronomical year style is used: The year -10730 in astronomical counting style is the year 10731 BCE in historical counting style.

conjunction	-10730 Dec 20 j 11:58	14°♎45'27	-0°34'22
minimum elong	-10730 Dec 20 j 11:56	14°♎45'26	0°34'29
max. Earth dist.	-10730 Dec 21 j 04:54	14°♎51'09	9.78082 AU
morning rise	-10729 Jan 07 j 15:29	17°♎11'28	
retrograde	-10729 Apr 26 j 03:58	26°♎00'05	
opposition	-10729 Jul 02 j 12:10	22°♎27'12	-1°06'40
min. Earth dist.	-10729 Jul 01 j 20:51	22°♎30'24	7.76752 AU
direct	-10729 Sep 05 j 22:03	18°♎59'07	
evening set	-10729 Dec 18 j 09:18	27°♎26'31	
conjunction	-10728 Jan 05 j 11:25	29°♎52'06	-1°10'04
minimum elong	-10728 Jan 05 j 11:21	29°♎52'05	1°10'19
max. Earth dist.	-10728 Jan 06 j 10:29	29°♎59'53	9.76408 AU
	-10728 Jan 06 j 10:49	0°♏	
morning rise	-10728 Jan 23 j 17:11	2°♏18'50	
retrograde	-10728 May 10 j 16:05	11°♏05'43	
opposition	-10728 Jul 16 j 14:42	7°♏33'00	-1°48'48
min. Earth dist.	-10728 Jul 15 j 19:18	7°♏37'05	7.77303 AU
direct	-10728 Sep 20 j 02:16	4°♏04'07	
evening set	-10727 Jan 02 j 09:36	12°♏33'48	
conjunction	-10727 Jan 20 j 13:30	14°♏59'14	-1°40'57
minimum elong	-10727 Jan 20 j 13:25	14°♏59'12	1°41'20
	-10727 Jan 20 j 15:48	15°♏	
max. Earth dist.	-10727 Jan 21 j 17:19	15°♏08'34	9.79089 AU
morning rise	-10727 Feb 07 j 19:38	17°♏25'19	
retrograde	-10727 May 25 j 22:11	26°♏06'02	
opposition	-10727 Jul 31 j 13:25	22°♏34'04	-2°23'09
min. Earth dist.	-10727 Jul 30 j 15:20	22°♏38'43	7.82193 AU
direct	-10727 Oct 05 j 07:46	19°♏04'37	
evening set	-10726 Jan 18 j 09:33	27°♏33'11	
conjunction	-10726 Feb 05 j 13:36	29°♏57'15	-2°04'43
minimum elong	-10726 Feb 05 j 13:32	29°♏57'14	2°05'13
	-10726 Feb 05 j 21:52	0°♐	
max. Earth dist.	-10726 Feb 06 j 20:11	0°♐07'25	9.86039 AU
morning rise	-10726 Feb 23 j 18:26	2°♐21'28	
retrograde	-10726 Jun 09 j 18:41	10°♐51'56	
min. Earth dist.	-10726 Aug 14 j 06:28	7°♐26'02	7.91155 AU
opposition	-10726 Aug 15 j 05:31	7°♐21'12	-2°47'19
direct	-10726 Oct 20 j 11:27	3°♐51'27	
evening set	-10725 Feb 03 j 03:47	12°♐15'28	
conjunction	-10725 Feb 21 j 06:44	14°♐37'10	-2°19'56
minimum elong	-10725 Feb 21 j 06:41	14°♐37'09	2°20'30
max. Earth dist.	-10725 Feb 22 j 13:53	14°♐47'23	9.96820 AU
morning rise	-10725 Mar 11 j 09:01	16°♐58'33	
retrograde	-10725 Jun 24 j 03:19	25°♐15'41	
opposition	-10725 Aug 29 j 13:04	21°♐46'34	-3°00'08
min. Earth dist.	-10725 Aug 28 j 14:26	21°♐51'17	8.03579 AU
direct	-10725 Nov 04 j 11:07	18°♐16'52	
evening set	-10724 Feb 18 j 11:47	26°♐33'14	
conjunction	-10724 Mar 07 j 12:44	28°♐51'54	-2°26'07
minimum elong	-10724 Mar 07 j 12:44	28°♐51'54	2°26'43
max. Earth dist.	-10724 Mar 08 j 18:24	29°♐01'28	10.10684 AU
	-10724 Mar 16 j 08:25	0°♑	
morning rise	-10724 Mar 25 j 11:50	1°♑09'50	
retrograde	-10724 Jul 06 j 20:56	9°♑11'48	
opposition	-10724 Sep 11 j 10:30	5°♑44'36	-3°01'42
min. Earth dist.	-10724 Sep 10 j 13:26	5°♑48'56	8.18612 AU
direct	-10724 Nov 18 j 03:27	2°♑15'16	
evening set	-10723 Mar 04 j 06:56	10°♑21'45	
conjunction	-10723 Mar 22 j 05:25	12°♑37'02	-2°23'39
minimum elong	-10723 Mar 22 j 05:27	12°♑37'02	2°24'15
max. Earth dist.	-10723 Mar 23 j 07:43	12°♑45'21	10.26701 AU
morning rise	-10723 Apr 09 j 00:58	14°♑51'15	
retrograde	-10723 Jul 20 j 01:19	22°♑37'24	
opposition	-10723 Sep 24 j 21:07	19°♑12'14	-2°53'05
min. Earth dist.	-10723 Sep 24 j 02:16	19°♑16'03	8.35289 AU
direct	-10723 Dec 02 j 09:28	15°♑43'37	
evening set	-10722 Mar 18 j 11:33	23°♑38'51	
conjunction	-10722 Apr 05 j 07:16	25°♑50'39	-2°13'32
minimum elong	-10722 Apr 05 j 07:19	25°♑50'40	2°14'06
max. Earth dist.	-10722 Apr 06 j 05:19	25°♑57'29	10.43887 AU
morning rise	-10722 Apr 22 j 23:04	28°♑01'07	
	-10722 May 09 j 18:40	0°♒	
retrograde	-10722 Aug 01 j 18:41	5°♒31'55	
opposition	-10722 Oct 07 j 21:23	2°♒08'49	-2°35'53
min. Earth dist.	-10722 Oct 07 j 05:19	2°♒12'01	8.52646 AU
	-10722 Nov 06 j 01:57	30°℞♑	
direct	-10722 Dec 16 j 04:12	28°♑41'10	
	-10721 Jan 25 j 01:55	0°♒	
evening set	-10721 Apr 01 j 01:08	6°♒24'40	
conjunction	-10721 Apr 18 j 17:54	8°♒33'03	-1°57'06
minimum elong	-10721 Apr 18 j 17:57	8°♒33'04	1°57'36
max. Earth dist.	-10721 Apr 19 j 11:36	8°♒38'27	10.61296 AU
morning rise	-10721 May 06 j 05:53	10°♒39'57	
	-10721 Jun 15 j 11:52	15°♒	
retrograde	-10721 Aug 14 j 00:27	17°♒56'39	
	-10721 Oct 15 j 06:48	15°℞♒	
opposition	-10721 Oct 20 j 11:54	14°♒35'32	-2°11'58
min. Earth dist.	-10721 Oct 19 j 23:46	14°♒37'55	8.69798 AU
direct	-10721 Dec 29 j 12:08	11°♒09'01	
	-10720 Mar 10 j 03:11	15°♒	
evening set	-10720 Apr 13 j 00:43	18°♒41'06	
conjunction	-10720 Apr 30 j 14:16	20°♒46'16	-1°35'49
minimum elong	-10720 Apr 30 j 14:20	20°♒46'17	1°36'13
max. Earth dist.	-10720 May 01 j 02:43	20°♒50'00	10.78083 AU
morning rise	-10720 May 17 j 22:33	22°♒49'53	
retrograde	-10720 Aug 24 j 20:40	29°♒54'14	
opposition	-10720 Oct 31 j 17:36	26°♒34'58	-1°43'08
min. Earth dist.	-10720 Oct 31 j 10:32	26°♒36'20	8.85970 AU
direct	-10719 Jan 10 j 09:34	23°♒09'41	
	-10719 Apr 20 j 22:27	0°♓	
evening set	-10719 Apr 25 j 11:36	0°♓31'14	
conjunction	-10719 May 12 j 21:41	2°♓33'29	-1°11'02
minimum elong	-10719 May 12 j 21:44	2°♓33'29	1°11'21
max. Earth dist.	-10719 May 13 j 03:39	2°♓35'14	10.93529 AU
morning rise	-10719 May 30 j 02:26	4°♓34'09	
retrograde	-10719 Sep 05 j 08:21	11°♓28'14	
opposition	-10719 Nov 12 j 16:08	8°♓10'35	-1°11'02
min. Earth dist.	-10719 Nov 12 j 13:56	8°♓11'00	9.00510 AU
direct	-10718 Jan 22 j 21:12	4°♓46'36	
evening set	-10718 May 07 j 11:16	11°♓58'52	
conjunction	-10718 May 24 j 17:42	13°♓58'30	-0°44'04
minimum elong	-10718 May 24 j 17:44	13°♓58'30	0°44'17
max. Earth dist.	-10718 May 24 j 17:14	13°♓58'21	11.07050 AU
morning rise	-10718 Jun 10 j 19:01	15°♓56'39	
retrograde	-10718 Sep 16 j 13:38	22°♓42'47	
opposition	-10718 Nov 24 j 08:46	19°♓26'27	-0°37'09
min. Earth dist.	-10718 Nov 24 j 10:35	19°♓26'06	9.12891 AU
direct	-10717 Feb 04 j 01:53	16°♓03'44	
evening set	-10717 May 19 j 01:39	23°♓08'13	
conjunction	-10717 Jun 05 j 04:34	25°♓05'37	-0°16'01
minimum elong	-10717 Jun 05 j 04:34	25°♓05'38	0°16'09
max. Earth dist.	-10717 Jun 04 j 23:12	25°♓04'05	11.18185 AU

Attention, astronomical year style is used: The year -10717 in astronomical counting style is the year 10718 BCE in historical counting style.

morning rise	-10717 Jun 22 j 02:24	27°♓01'38	
	-10717 Jul 20 j 05:20	0°♈	
retrograde	-10717 Sep 27 j 17:11	3°♈42'06	
opposition	-10717 Dec 05 j 21:01	0°♈26'48	-0°02'42
min. Earth dist.	-10717 Dec 06 j 02:54	0°♈25'43	9.22707 AU
	-10717 Dec 11 j 22:21	30°℞♓	
asc. node	-10716 Jan 04 j 02:51	28°♓26'00	
direct	-10716 Feb 15 j 21:27	27°♓05'19	
	-10716 Apr 19 j 02:48	0°♈	
evening set	-10716 May 29 j 08:43	4°♈03'38	
conjunction	-10716 Jun 15 j 08:05	5°♈59'14	0°12'11
minimum elong	-10716 Jun 15 j 08:04	5°♈59'14	0°12'11
behind sun begin	-10716 Jun 15 j 03:19	5°♈57'53	
behind sun end	-10716 Jun 15 j 12:49	6°♈00'34	
max. Earth dist.	-10716 Jun 14 j 22:13	5°♈56'26	11.26572 AU
morning rise	-10716 Jul 02 j 02:33	7°♈53'33	
retrograde	-10716 Oct 07 j 17:02	14°♈30'38	
opposition	-10716 Dec 16 j 06:44	11°♈16'04	0°31'14
min. Earth dist.	-10716 Dec 16 j 17:30	11°♈14'05	9.29649 AU
direct	-10715 Feb 26 j 10:59	7°♈55'39	
evening set	-10715 Jun 09 j 10:29	14°♈49'33	
conjunction	-10715 Jun 26 j 06:06	16°♈43'43	0°39'33
minimum elong	-10715 Jun 26 j 06:04	16°♈43'42	0°39'40
max. Earth dist.	-10715 Jun 25 j 14:49	16°♈39'22	11.31957 AU
morning rise	-10715 Jul 12 j 21:34	18°♈36'48	
retrograde	-10715 Oct 18 j 16:42	25°♈12'45	
opposition	-10715 Dec 27 j 15:24	21°♈58'34	1°03'43
min. Earth dist.	-10715 Dec 28 j 06:26	21°♈55'49	9.33515 AU
direct	-10714 Mar 09 j 21:33	18°♈39'03	
evening set	-10714 Jun 20 j 08:39	25°♈30'14	
max. Earth dist.	-10714 Jul 06 j 05:14	27°♈17'51	11.34197 AU
conjunction	-10714 Jul 07 j 00:49	27°♈23'25	1°05'21
minimum elong	-10714 Jul 07 j 00:46	27°♈23'25	1°05'36
morning rise	-10714 Jul 23 j 13:38	29°♈15'44	
	-10714 Jul 30 j 06:03	0°♉	
retrograde	-10714 Oct 29 j 17:32	5°♉52'47	
opposition	-10713 Jan 08 j 00:24	2°♉38'33	1°33'52
min. Earth dist.	-10713 Jan 08 j 18:18	2°♉35'19	9.34189 AU
	-10713 Feb 19 j 07:54	30°℞♈	
direct	-10713 Mar 21 j 05:40	29°♈19'45	
	-10713 Apr 19 j 17:17	0°♉	
evening set	-10713 Jul 01 j 04:50	6°♉09'55	
conjunction	-10713 Jul 17 j 18:05	8°♉02'35	1°28'53
minimum elong	-10713 Jul 17 j 18:02	8°♉02'35	1°29'13
max. Earth dist.	-10713 Jul 16 j 20:07	7°♉56'19	11.33211 AU
morning rise	-10713 Aug 03 j 04:31	9°♉54'36	
	-10713 Sep 26 j 03:15	15°♉	
retrograde	-10713 Nov 09 j 23:42	16°♉34'52	
	-10713 Dec 26 j 08:15	15°℞♉	
opposition	-10712 Jan 19 j 11:19	13°♉20'15	2°00'52
min. Earth dist.	-10712 Jan 20 j 07:33	13°♉16'35	9.31625 AU
direct	-10712 Mar 31 j 12:47	10°♉01'55	
	-10712 Jun 23 j 18:22	15°♉	
evening set	-10712 Jul 11 j 01:10	16°♉52'44	
max. Earth dist.	-10712 Jul 26 j 11:04	18°♉38'16	11.29007 AU
conjunction	-10712 Jul 27 j 11:50	18°♉45'23	1°49'24
minimum elong	-10712 Jul 27 j 11:47	18°♉45'22	1°49'49
morning rise	-10712 Aug 12 j 20:28	20°♉37'38	
retrograde	-10712 Nov 20 j 08:16	27°♉23'06	
opposition	-10711 Jan 30 j 01:36	24°♉07'47	2°23'54
min. Earth dist.	-10711 Jan 31 j 00:33	24°♉03'37	9.25880 AU
direct	-10711 Apr 11 j 18:08	20°♉49'38	
evening set	-10711 Jul 21 j 23:14	27°♉42'46	
max. Earth dist.	-10711 Aug 06 j 04:22	29°♉27'56	11.21700 AU
conjunction	-10711 Aug 07 j 07:52	29°♉35'55	2°06'14
minimum elong	-10711 Aug 07 j 07:50	29°♉35'55	2°06'43
	-10711 Aug 10 j 18:49	0°♊	
morning rise	-10711 Aug 23 j 15:39	1°♊28'56	
retrograde	-10711 Dec 02 j 00:09	8°♊21'39	
opposition	-10710 Feb 10 j 20:46	5°♊05'14	2°42'09
min. Earth dist.	-10710 Feb 11 j 21:39	5°♊00'42	9.17097 AU
direct	-10710 Apr 23 j 04:45	1°♊47'01	
evening set	-10710 Aug 02 j 00:29	8°♊44'04	
max. Earth dist.	-10710 Aug 17 j 03:48	10°♊29'58	11.11457 AU
conjunction	-10710 Aug 18 j 08:09	10°♊38'18	2°18'41
minimum elong	-10710 Aug 18 j 08:07	10°♊38'17	2°19'13
morning rise	-10710 Sep 03 j 15:55	12°♊32'40	
retrograde	-10710 Dec 14 j 00:01	19°♊34'34	
opposition	-10709 Feb 22 j 21:57	16°♊16'43	2°54'47
min. Earth dist.	-10709 Feb 23 j 23:00	16°♊12'07	9.05470 AU
direct	-10709 May 04 j 17:49	12°♊58'11	
evening set	-10709 Aug 13 j 07:02	20°♊00'47	
max. Earth dist.	-10709 Aug 28 j 10:55	21°♊48'22	10.98523 AU
conjunction	-10709 Aug 29 j 14:53	21°♊56'42	2°26'04
minimum elong	-10709 Aug 29 j 14:52	21°♊56'42	2°26'39
morning rise	-10709 Sep 14 j 23:34	23°♊53'03	
	-10709 Nov 19 j 09:39	0°♋	
retrograde	-10709 Dec 26 j 10:34	1°♋05'59	
	-10708 Feb 02 j 07:31	30°℞♊	
opposition	-10708 Mar 06 j 06:24	27°♊46'28	3°00'54
min. Earth dist.	-10708 Mar 07 j 06:35	27°♊41'58	8.91322 AU
direct	-10708 May 15 j 12:09	24°♊27'25	
	-10708 Aug 09 j 20:35	0°♋	
evening set	-10708 Aug 23 j 20:44	1°♋37'07	
max. Earth dist.	-10708 Sep 08 j 02:22	3°♋27'04	10.83335 AU
conjunction	-10708 Sep 09 j 05:47	3°♋35'23	2°27'43
minimum elong	-10708 Sep 09 j 05:47	3°♋35'23	2°28'19
morning rise	-10708 Sep 25 j 16:44	5°♋34'22	
retrograde	-10707 Jan 07 j 08:13	12°♋59'56	
opposition	-10707 Mar 18 j 23:48	9°♋38'32	2°59'41
min. Earth dist.	-10707 Mar 19 j 22:29	9°♋34'16	8.75202 AU
direct	-10707 May 27 j 12:06	6°♋18'44	
evening set	-10707 Sep 04 j 19:18	13°♋36'53	
max. Earth dist.	-10707 Sep 20 j 04:53	15°♋30'06	10.66535 AU
conjunction	-10707 Sep 21 j 06:46	15°♋38'05	2°23'01
minimum elong	-10707 Sep 21 j 06:48	15°♋38'06	2°23'36
morning rise	-10707 Oct 07 j 21:25	17°♋40'21	
retrograde	-10706 Jan 20 j 16:13	25°♋19'48	
opposition	-10706 Apr 01 j 02:51	21°♋56'20	2°50'20
min. Earth dist.	-10706 Apr 01 j 23:20	21°♋52'26	8.57819 AU
direct	-10706 Jun 08 j 21:17	18°♋35'34	
evening set	-10706 Sep 17 j 04:40	26°♋03'20	
conjunction	-10706 Oct 03 j 20:02	28°♋08'02	2°11'31
minimum elong	-10706 Oct 03 j 20:05	28°♋08'03	2°12'04
max. Earth dist.	-10706 Oct 02 j 22:02	28°♋01'07	10.48869 AU
	-10706 Oct 18 j 17:49	0°♌	
morning rise	-10706 Oct 20 j 15:31	0°♌14'07	
retrograde	-10705 Feb 03 j 12:22	8°♌08'07	
opposition	-10705 Apr 14 j 15:40	4°♌42'30	2°32'21
min. Earth dist.	-10705 Apr 15 j 08:21	4°♌39'15	8.39982 AU
direct	-10705 Jun 21 j 17:30	1°♌20'35	
evening set	-10705 Sep 30 j 02:21	8°♌58'47	

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

conjunction	-10705 Oct 16 j 22:51	11°♌07'27	1°53'03
minimum elong	-10705 Oct 16 j 22:55	11°♌07'29	1°53'32
max. Earth dist.	-10705 Oct 16 j 06:25	11°♌02'11	10.31179 AU
morning rise	-10705 Nov 03 j 00:07	13°♌17'45	
	-10705 Nov 16 j 21:23	15°♌	
retrograde	-10704 Feb 17 j 22:12	21°♌26'21	
opposition	-10704 Apr 27 j 14:39	17°♌58'35	2°05'36
min. Earth dist.	-10704 Apr 28 j 02:00	17°♌56'21	8.22584 AU
	-10704 Jun 12 j 15:22	15°℞♌	
direct	-10704 Jul 03 j 22:46	14°♌35'27	
	-10704 Jul 24 j 22:34	15°♌	
evening set	-10704 Oct 12 j 13:38	22°♌24'30	
conjunction	-10704 Oct 29 j 16:05	24°♌37'22	1°27'51
minimum elong	-10704 Oct 29 j 16:09	24°♌37'24	1°28'14
max. Earth dist.	-10704 Oct 29 j 06:20	24°♌34'11	10.14395 AU
morning rise	-10704 Nov 15 j 23:51	26°♌52'03	
	-10704 Dec 11 j 18:13	0°♍	
retrograde	-10703 Mar 03 j 19:13	5°♍14'27	
opposition	-10703 May 11 j 23:12	1°♍44'43	1°30'38
min. Earth dist.	-10703 May 12 j 04:16	1°♍43'42	8.06598 AU
	-10703 Jun 03 j 18:06	30°℞♌	
direct	-10703 Jul 17 j 14:34	28°♌20'15	
	-10703 Aug 29 j 02:02	0°♍	
evening set	-10703 Oct 26 j 15:37	6°♍20'12	
conjunction	-10703 Nov 13 j 00:25	8°♍37'12	0°56'45
minimum elong	-10703 Nov 13 j 00:28	8°♍37'13	0°57'01
max. Earth dist.	-10703 Nov 12 j 21:38	8°♍36'17	9.99501 AU
morning rise	-10703 Nov 30 j 14:56	10°♍56'08	
retrograde	-10702 Mar 19 j 01:19	19°♍30'27	
opposition	-10702 May 26 j 15:55	15°♍59'01	0°48'51
min. Earth dist.	-10702 May 26 j 14:43	15°♍59'16	7.93007 AU
direct	-10702 Jul 31 j 17:24	12°♍33'14	
evening set	-10702 Nov 10 j 08:09	20°♍43'29	
conjunction	-10702 Nov 27 j 23:09	23°♍04'12	0°21'17
minimum elong	-10702 Nov 27 j 23:11	23°♍04'12	0°21'24
max. Earth dist.	-10702 Nov 28 j 03:36	23°♍05'41	9.87444 AU
morning rise	-10702 Dec 15 j 19:56	25°♍26'50	
	-10701 Jan 22 j 11:50	0°♎	
retrograde	-10701 Apr 03 j 13:54	4°♎10'09	
opposition	-10701 Jun 10 j 15:06	0°♎37'29	0°02'39
min. Earth dist.	-10701 Jun 10 j 08:05	0°♎38'56	7.82716 AU
	-10701 Jun 18 j 04:59	30°℞♍	
desc. node	-10701 Jul 01 j 16:28	28°♍57'14	
direct	-10701 Aug 15 j 06:34	27°♍10'25	
	-10701 Oct 09 j 17:48	0°♎	
evening set	-10701 Nov 25 j 13:49	5°♎29'33	
conjunction	-10701 Dec 13 j 10:14	7°♎53'11	-0°16'24
minimum elong	-10701 Dec 13 j 10:13	7°♎53'11	0°16'26
max. Earth dist.	-10701 Dec 13 j 22:10	7°♎57'12	9.79058 AU
morning rise	-10701 Dec 31 j 12:03	10°♎18'33	
retrograde	-10700 Apr 18 j 05:05	19°♎07'01	
opposition	-10700 Jun 24 j 18:03	15°♎33'38	-0°44'43
min. Earth dist.	-10700 Jun 24 j 05:42	15°♎36'13	7.76466 AU
direct	-10700 Aug 29 j 04:01	12°♎05'25	
evening set	-10700 Dec 10 j 06:12	20°♎31'17	
conjunction	-10700 Dec 28 j 06:49	22°♎56'42	-0°53'25
minimum elong	-10700 Dec 28 j 06:45	22°♎56'41	0°53'36
max. Earth dist.	-10700 Dec 29 j 01:45	23°♎03'07	9.74975 AU
morning rise	-10699 Jan 15 j 11:57	25°♎23'31	
	-10699 Feb 22 j 04:59	0°♏	
retrograde	-10699 May 03 j 19:10	4°♏12'36	
opposition	-10699 Jul 09 j 21:40	0°♏39'05	-1°29'28
min. Earth dist.	-10699 Jul 09 j 04:49	0°♏42'38	7.74734 AU
	-10699 Jul 17 j 15:55	30°℞♎	
direct	-10699 Sep 13 j 07:29	27°♎09'53	
	-10699 Nov 07 j 22:37	0°♏	
evening set	-10699 Dec 26 j 05:22	5°♏39'36	
conjunction	-10698 Jan 13 j 08:35	8°♏05'30	-1°26'57
minimum elong	-10698 Jan 13 j 08:31	8°♏05'28	1°27'17
max. Earth dist.	-10698 Jan 14 j 09:22	8°♏13'51	9.75512 AU
morning rise	-10698 Jan 31 j 15:04	10°♏32'20	
	-10698 Mar 09 j 02:36	15°♏	
retrograde	-10698 May 19 j 04:28	19°♏17'15	
opposition	-10698 Jul 24 j 22:54	15°♏44'13	-2°07'58
min. Earth dist.	-10698 Jul 24 j 02:29	15°♏48'32	7.77641 AU
	-10698 Aug 02 j 17:37	15°℞♏	
direct	-10698 Sep 28 j 14:03	12°♏14'20	
	-10698 Nov 22 j 18:09	15°♏	
evening set	-10697 Jan 11 j 06:22	20°♏44'30	
conjunction	-10697 Jan 29 j 10:30	23°♏09'33	-1°54'22
minimum elong	-10697 Jan 29 j 10:25	23°♏09'31	1°54'49
max. Earth dist.	-10697 Jan 30 j 15:34	23°♏19'17	9.80627 AU
morning rise	-10697 Feb 16 j 16:21	25°♏35'01	
	-10697 Mar 25 j 02:27	0°♐	
retrograde	-10697 Jun 03 j 05:14	4°♐11'24	
opposition	-10697 Aug 08 j 18:41	0°♐39'26	-2°37'13
min. Earth dist.	-10697 Aug 07 j 19:40	0°♐44'17	7.84954 AU
	-10697 Aug 16 j 14:56	30°℞♏	
direct	-10697 Oct 13 j 20:01	27°♏09'13	
	-10697 Dec 09 j 10:25	0°♐	
evening set	-10696 Jan 27 j 03:55	5°♐36'16	
conjunction	-10696 Feb 14 j 07:36	7°♐59'21	-2°13'47
minimum elong	-10696 Feb 14 j 07:32	7°♐59'20	2°14'20
max. Earth dist.	-10696 Feb 15 j 15:10	8°♐09'48	9.89941 AU
morning rise	-10696 Mar 03 j 11:23	10°♐22'22	
retrograde	-10696 Jun 16 j 19:08	18°♐46'38	
min. Earth dist.	-10696 Aug 21 j 06:26	15°♐21'16	7.96133 AU
opposition	-10696 Aug 22 j 06:37	15°♐16'13	-2°55'29
direct	-10696 Oct 27 j 22:01	11°♐46'03	
evening set	-10695 Feb 10 j 17:23	20°♐06'44	
conjunction	-10695 Feb 28 j 19:35	22°♐27'03	-2°24'15
minimum elong	-10695 Feb 28 j 19:33	22°♐27'02	2°24'51
max. Earth dist.	-10695 Mar 02 j 03:30	22°♐37'26	10.02776 AU
morning rise	-10695 Mar 18 j 20:21	24°♐46'49	
	-10695 May 03 j 18:23	0°♑	
retrograde	-10695 Jun 30 j 20:25	2°♑56'34	
	-10695 Aug 29 j 22:21	30°℞♐	
min. Earth dist.	-10695 Sep 04 j 09:30	29°♐32'59	8.10376 AU
opposition	-10695 Sep 05 j 09:06	29°♐28'06	-3°02'17
direct	-10695 Nov 11 j 16:54	25°♐58'21	
	-10694 Jan 20 j 21:37	0°♑	
evening set	-10694 Feb 25 j 19:20	4°♑10'04	
conjunction	-10694 Mar 15 j 19:16	6°♑27'06	-2°25'47
minimum elong	-10694 Mar 15 j 19:16	6°♑27'06	2°26'23
max. Earth dist.	-10694 Mar 17 j 01:25	6°♑36'44	10.18243 AU
morning rise	-10694 Apr 02 j 16:27	8°♑43'11	
retrograde	-10694 Jul 14 j 09:21	16°♑37'14	
min. Earth dist.	-10694 Sep 18 j 03:52	13°♑15'20	8.26757 AU
opposition	-10694 Sep 19 j 01:13	13°♑10'59	-2°58'16
direct	-10694 Nov 26 j 02:37	9°♑42'00	
evening set	-10693 Mar 12 j 07:23	17°♑42'58	
conjunction	-10693 Mar 30 j 04:34	19°♑56'31	-2°19'06
minimum elong	-10693 Mar 30 j 04:36	19°♑56'31	2°19'41

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.	-10693 Mar 31 j 07:03	20°♑04'48	10.35377 AU
morning rise	-10693 Apr 16 j 22:04	22°♑08'48	
retrograde	-10693 Jul 27 j 09:03	29°♑47'07	
opposition	-10693 Oct 02 j 06:51	26°♑23'09	-2°44'50
min. Earth dist.	-10693 Oct 01 j 12:59	26°♑26'44	8.44310 AU
direct	-10693 Dec 10 j 02:53	22°♑55'12	
	-10692 Mar 18 j 23:02	0°♒	
evening set	-10692 Mar 25 j 04:33	0°♒44'33	
conjunction	-10692 Apr 11 j 22:43	2°♒54'35	-2°05'25
minimum elong	-10692 Apr 11 j 22:46	2°♒54'35	2°05'57
max. Earth dist.	-10692 Apr 12 j 19:41	3°♒01'01	10.53201 AU
morning rise	-10692 Apr 29 j 12:35	5°♒03'12	
retrograde	-10692 Aug 07 j 19:16	12°♒26'38	
opposition	-10692 Oct 14 j 02:18	9°♒04'55	-2°23'45
min. Earth dist.	-10692 Oct 13 j 12:07	9°♒07'42	8.62081 AU
direct	-10692 Dec 22 j 17:34	5°♒38'11	
evening set	-10691 Apr 07 j 11:21	13°♒15'51	
	-10691 Apr 21 j 23:41	15°♒	
conjunction	-10691 Apr 25 j 02:20	15°♒22'30	-1°46'11
minimum elong	-10691 Apr 25 j 02:24	15°♒22'31	1°46'37
max. Earth dist.	-10691 Apr 25 j 17:17	15°♒27'01	10.70785 AU
morning rise	-10691 May 12 j 12:33	17°♒27'40	
retrograde	-10691 Aug 19 j 20:05	24°♒37'46	
opposition	-10691 Oct 26 j 12:23	21°♒18'05	-1°56'56
min. Earth dist.	-10691 Oct 26 j 02:04	21°♒20'05	8.79186 AU
direct	-10690 Jan 04 j 21:03	17°♒52'42	
evening set	-10690 Apr 20 j 04:34	25°♒19'14	
conjunction	-10690 May 07 j 16:18	27°♒22'48	-1°22'49
minimum elong	-10690 May 07 j 16:21	27°♒22'49	1°23'10
max. Earth dist.	-10690 May 08 j 01:39	27°♒25'34	10.87293 AU
morning rise	-10690 May 24 j 22:47	29°♒24'47	
	-10690 May 30 j 01:12	0°♓	
retrograde	-10690 Aug 31 j 12:42	6°♓23'32	
opposition	-10690 Nov 07 j 14:34	3°♓05'38	-1°26'07
min. Earth dist.	-10690 Nov 07 j 08:43	3°♓06'45	8.94851 AU
	-10690 Dec 28 j 23:40	30°♑℞♒	
direct	-10689 Jan 17 j 13:10	29°♒41'37	
	-10689 Feb 06 j 02:03	0°♓	
evening set	-10689 May 02 j 09:36	6°♓58'04	
conjunction	-10689 May 19 j 17:55	8°♓58'51	-0°56'41
minimum elong	-10689 May 19 j 17:57	8°♓58'52	0°56'57
max. Earth dist.	-10689 May 19 j 21:42	8°♓59'58	11.01989 AU
morning rise	-10689 Jun 05 j 20:43	10°♓58'06	
retrograde	-10689 Sep 11 j 21:51	17°♓47'43	
opposition	-10689 Nov 19 j 10:08	14°♓31'19	-0°52'53
min. Earth dist.	-10689 Nov 19 j 09:57	14°♓31'21	9.08409 AU
direct	-10688 Jan 29 j 20:43	11°♓08'35	
evening set	-10688 May 13 j 04:38	18°♓16'31	
conjunction	-10688 May 30 j 09:16	20°♓14'53	-0°28'59
minimum elong	-10688 May 30 j 09:17	20°♓14'54	0°29'09
max. Earth dist.	-10688 May 30 j 06:11	20°♓14'00	11.14284 AU
morning rise	-10688 Jun 16 j 08:38	22°♓11'48	
retrograde	-10688 Sep 22 j 01:54	28°♓54'39	
opposition	-10688 Nov 30 j 00:29	25°♓39'27	-0°18'32
min. Earth dist.	-10688 Nov 30 j 05:46	25°♓38'28	9.19370 AU
direct	-10687 Feb 09 j 19:50	22°♓17'52	
evening set	-10687 May 24 j 15:28	29°♓18'58	
	-10687 May 30 j 16:52	0°♈	
conjunction	-10687 Jun 10 j 16:20	1°♈15'20	-0°00'46
minimum elong	-10687 Jun 10 j 16:20	1°♈15'20	0°00'50
behind sun begin	-10687 Jun 10 j 09:19	1°♈13'21	
behind sun end	-10687 Jun 10 j 23:22	1°♈17'19	
max. Earth dist.	-10687 Jun 10 j 06:53	1°♈12'39	11.23807 AU
asc. node	-10687 Jun 20 j 16:19	2°♈23'58	
morning rise	-10687 Jun 27 j 12:28	3°♈10'23	
retrograde	-10687 Oct 03 j 02:00	9°♈48'50	
opposition	-10687 Dec 11 j 11:32	6°♈34'22	0°15'46
min. Earth dist.	-10687 Dec 11 j 20:56	6°♈32'39	9.27440 AU
direct	-10686 Feb 21 j 14:20	3°♈13'50	
evening set	-10686 Jun 04 j 19:41	10°♈09'43	
conjunction	-10686 Jun 21 j 17:01	12°♈04'29	0°27'07
minimum elong	-10686 Jun 21 j 17:00	12°♈04'28	0°27'11
max. Earth dist.	-10686 Jun 21 j 03:14	12°♈00'33	11.30325 AU
morning rise	-10686 Jul 08 j 09:54	13°♈58'04	
retrograde	-10686 Oct 14 j 03:40	20°♈34'24	
opposition	-10686 Dec 22 j 20:41	17°♈20'19	0°49'01
min. Earth dist.	-10686 Dec 23 j 09:47	17°♈17'56	9.32425 AU
direct	-10685 Mar 05 j 03:21	14°♈00'37	
evening set	-10685 Jun 15 j 19:28	20°♈52'56	
conjunction	-10685 Jul 02 j 13:23	22°♈46'33	0°53'44
minimum elong	-10685 Jul 02 j 13:21	22°♈46'33	0°53'55
max. Earth dist.	-10685 Jul 01 j 19:38	22°♈41'30	11.33684 AU
morning rise	-10685 Jul 19 j 03:17	24°♈39'10	
	-10685 Sep 15 j 10:58	0°♉	
retrograde	-10685 Oct 25 j 03:03	1°♉15'30	
	-10685 Dec 04 j 22:02	30°℞♈	
opposition	-10684 Jan 03 j 05:21	28°♈01'25	1°20'20
min. Earth dist.	-10684 Jan 03 j 22:41	27°♈58'16	9.34218 AU
direct	-10684 Mar 15 j 10:24	24°♈42'18	
	-10684 Jun 11 j 10:41	0°♉	
evening set	-10684 Jun 25 j 16:34	1°♉32'50	
max. Earth dist.	-10684 Jul 11 j 08:50	3°♉19'21	11.33819 AU
conjunction	-10684 Jul 12 j 07:08	3°♉25'43	1°18'23
minimum elong	-10684 Jul 12 j 07:06	3°♉25'42	1°18'41
morning rise	-10684 Jul 28 j 18:38	5°♉17'50	
retrograde	-10684 Nov 04 j 05:32	11°♉56'21	
opposition	-10683 Jan 13 j 15:13	8°♉41'51	1°48'53
min. Earth dist.	-10683 Jan 14 j 12:14	8°♉38'03	9.32779 AU
direct	-10683 Mar 26 j 18:47	5°♉23'05	
evening set	-10683 Jul 06 j 12:30	12°♉13'30	
max. Earth dist.	-10683 Jul 21 j 22:52	13°♉58'52	11.30740 AU
conjunction	-10683 Jul 23 j 00:12	14°♉06'08	1°40'22
minimum elong	-10683 Jul 23 j 00:09	14°♉06'07	1°40'44
	-10683 Jul 30 j 20:15	15°♉	
morning rise	-10683 Aug 08 j 09:45	15°♉58'15	
retrograde	-10683 Nov 15 j 11:20	22°♉41'04	
opposition	-10682 Jan 25 j 03:38	19°♉25'48	2°13'51
min. Earth dist.	-10682 Jan 26 j 02:27	19°♉21'40	9.28156 AU
direct	-10682 Apr 07 j 01:44	16°♉07'11	
evening set	-10682 Jul 17 j 09:11	22°♉59'08	
conjunction	-10682 Aug 02 j 18:48	24°♉52'02	1°58'59
minimum elong	-10682 Aug 02 j 18:45	24°♉52'01	1°59'25
max. Earth dist.	-10682 Aug 01 j 16:17	24°♉44'22	11.24540 AU
morning rise	-10682 Aug 19 j 02:54	26°♉44'40	
	-10682 Sep 19 j 00:18	0°♊	
retrograde	-10682 Nov 27 j 01:13	3°♊33'49	
opposition	-10681 Feb 05 j 20:00	0°♊17'29	2°34'25
min. Earth dist.	-10681 Feb 06 j 19:51	0°♊13'08	9.20486 AU
	-10681 Feb 09 j 20:04	30°℞♉	
direct	-10681 Apr 18 j 10:28	26°♉58'49	
	-10681 Jun 20 j 17:48	0°♊	
evening set	-10681 Jul 28 j 08:26	3°♊53'56	

Attention, astronomical year style is used: The year -10681 in astronomical counting style is the year 10682 BCE in historical counting style.

conjunction	-10681 Aug 13 j 16:38	5°♊47'41	2°13'33
minimum elong	-10681 Aug 13 j 16:35	5°♊47'40	2°14'04
max. Earth dist.	-10681 Aug 12 j 12:45	5°♊39'32	11.15406 AU
morning rise	-10681 Aug 30 j 00:13	7°♊41'24	
retrograde	-10681 Dec 08 j 20:29	14°♊38'50	
opposition	-10680 Feb 17 j 17:55	11°♊21'09	2°49'47
min. Earth dist.	-10680 Feb 18 j 18:49	11°♊16'35	9.09992 AU
direct	-10680 Apr 28 j 19:49	8°♊02'14	
evening set	-10680 Aug 07 j 12:04	15°♊02'10	
conjunction	-10680 Aug 23 j 19:38	16°♊57'17	2°23'23
minimum elong	-10680 Aug 23 j 19:37	16°♊57'17	2°23'57
max. Earth dist.	-10680 Aug 22 j 14:36	16°♊48'41	11.03622 AU
morning rise	-10680 Sep 09 j 03:50	18°♊52'43	
retrograde	-10680 Dec 20 j 00:15	26°♊00'19	
opposition	-10679 Feb 28 j 22:42	22°♊41'03	2°59'03
min. Earth dist.	-10679 Mar 01 j 23:53	22°♊36'23	8.97009 AU
direct	-10679 May 10 j 11:25	19°♊21'41	
evening set	-10679 Aug 18 j 21:51	26°♊27'58	
max. Earth dist.	-10679 Sep 03 j 02:13	28°♊16'43	10.89573 AU
conjunction	-10679 Sep 04 j 06:06	28°♊25'07	2°27'47
minimum elong	-10679 Sep 04 j 06:05	28°♊25'07	2°28'23
	-10679 Sep 17 j 10:44	0°♋	
morning rise	-10679 Sep 20 j 15:58	0°♋22'51	
retrograde	-10678 Jan 01 j 15:50	7°♋42'18	
opposition	-10678 Mar 13 j 11:34	4°♋21'16	3°01'21
min. Earth dist.	-10678 Mar 14 j 11:08	4°♋16'51	8.81979 AU
direct	-10678 May 22 j 09:25	1°♋01'18	
evening set	-10678 Aug 30 j 15:34	8°♋15'20	
max. Earth dist.	-10678 Sep 15 j 00:41	10°♋07'24	10.73746 AU
conjunction	-10678 Sep 16 j 01:52	10°♋15'07	2°26'07
minimum elong	-10678 Sep 16 j 01:53	10°♋15'07	2°26'43
morning rise	-10678 Oct 02 j 14:35	12°♋15'47	
retrograde	-10677 Jan 14 j 18:43	19°♋48'31	
opposition	-10677 Mar 26 j 09:30	16°♋25'33	2°55'52
min. Earth dist.	-10677 Mar 27 j 06:01	16°♋21'39	8.65447 AU
direct	-10677 Jun 03 j 14:09	13°♋04'51	
evening set	-10677 Sep 11 j 19:22	20°♋27'53	
max. Earth dist.	-10677 Sep 27 j 10:34	22°♋23'57	10.56754 AU
conjunction	-10677 Sep 28 j 08:51	22°♋30'54	2°17'50
minimum elong	-10677 Sep 28 j 08:53	22°♋30'55	2°18'24
morning rise	-10677 Oct 15 j 01:44	24°♋35'06	
	-10677 Dec 05 j 01:45	0°♌	
retrograde	-10676 Jan 28 j 10:22	2°♌22'03	
	-10676 Mar 24 j 21:18	30°℞♋	
opposition	-10676 Apr 07 j 17:17	28°♋57'07	2°41'57
min. Earth dist.	-10676 Apr 08 j 10:09	28°♋53'52	8.48101 AU
direct	-10676 Jun 15 j 03:39	25°♋35'34	
	-10676 Aug 27 j 15:50	0°♌	
evening set	-10676 Sep 23 j 10:49	3°♌08'36	
max. Earth dist.	-10676 Oct 09 j 10:08	5°♌09'27	10.39361 AU
conjunction	-10676 Oct 10 j 04:39	5°♌15'21	2°02'37
minimum elong	-10676 Oct 10 j 04:43	5°♌15'22	2°03'08
morning rise	-10676 Oct 27 j 03:00	7°♌23'34	
	-10675 Jan 19 j 08:58	15°♌	
retrograde	-10675 Feb 10 j 14:50	15°♌25'09	
	-10675 Mar 04 j 22:08	15°℞♌	
opposition	-10675 Apr 21 j 11:28	11°♌58'17	2°19'15
min. Earth dist.	-10675 Apr 22 j 00:13	11°♌55'47	8.30775 AU
direct	-10675 Jun 28 j 02:34	8°♌35'43	
	-10675 Sep 25 j 23:41	15°♌	
evening set	-10675 Oct 06 j 15:23	16°♌19'28	

conjunction	-10675 Oct 23 j 14:44	18°♌30'16	1°40'29
minimum elong	-10675 Oct 23 j 14:48	18°♌30'17	1°40'55
max. Earth dist.	-10675 Oct 23 j 01:38	18°♌26'02	10.22434 AU
morning rise	-10675 Nov 09 j 19:27	20°♌42'50	
retrograde	-10674 Feb 25 j 05:52	28°♌58'39	
opposition	-10674 May 05 j 15:38	25°♌29'58	1°47'58
min. Earth dist.	-10674 May 05 j 23:25	25°♌28'25	8.14393 AU
direct	-10674 Jul 11 j 13:57	22°♌06'18	
evening set	-10674 Oct 20 j 10:23	0°♍00'59	
	-10674 Oct 20 j 07:18	0°♍	
conjunction	-10674 Nov 06 j 16:01	2°♍15'58	1°11'59
minimum elong	-10674 Nov 06 j 16:04	2°♍15'59	1°12'17
max. Earth dist.	-10674 Nov 06 j 09:54	2°♍13'58	10.06914 AU
morning rise	-10674 Nov 24 j 03:25	4°♍32'51	
retrograde	-10673 Mar 12 j 06:50	13°♍01'32	
opposition	-10673 May 20 j 04:36	9°♍31'14	1°09'07
min. Earth dist.	-10673 May 20 j 06:35	9°♍30'50	7.99928 AU
direct	-10673 Jul 25 j 12:43	6°♍06'27	
evening set	-10673 Nov 03 j 20:03	14°♍11'43	
conjunction	-10673 Nov 21 j 08:06	16°♍30'38	0°38'17
minimum elong	-10673 Nov 21 j 08:09	16°♍30'38	0°38'28
max. Earth dist.	-10673 Nov 21 j 10:06	16°♍31'17	9.93770 AU
morning rise	-10673 Dec 09 j 01:56	18°♍51'28	
retrograde	-10672 Mar 26 j 16:23	27°♍30'36	
opposition	-10672 Jun 03 j 01:06	23°♍59'00	0°24'37
min. Earth dist.	-10672 Jun 02 j 20:31	23°♍59'56	7.88332 AU
direct	-10672 Aug 07 j 21:21	20°♍33'05	
evening set	-10672 Nov 17 j 19:35	28°♍47'49	
	-10672 Nov 26 j 20:57	0°♎	
conjunction	-10672 Dec 05 j 13:35	1°♎10'02	0°01'22
minimum elong	-10672 Dec 05 j 13:35	1°♎10'02	0°01'24
behind sun begin	-10672 Dec 05 j 06:16	1°♎07'36	
behind sun end	-10672 Dec 05 j 20:54	1°♎12'28	
max. Earth dist.	-10672 Dec 05 j 23:43	1°♎13'25	9.83896 AU
desc. node	-10672 Dec 19 j 01:32	2°♎58'32	
morning rise	-10672 Dec 23 j 13:01	3°♎34'03	
retrograde	-10671 Apr 11 j 06:52	12°♎20'10	
opposition	-10671 Jun 18 j 02:34	8°♎47'40	-0°22'38
min. Earth dist.	-10671 Jun 17 j 15:47	8°♎49'54	7.80404 AU
direct	-10671 Aug 22 j 14:18	5°♎20'38	
evening set	-10671 Dec 03 j 07:20	13°♎43'01	
conjunction	-10671 Dec 21 j 06:11	16°♎07'33	-0°36'21
minimum elong	-10671 Dec 21 j 06:08	16°♎07'32	0°36'28
max. Earth dist.	-10671 Dec 21 j 23:33	16°♎13'25	9.77971 AU
morning rise	-10670 Jan 08 j 09:42	18°♎33'37	
retrograde	-10670 Apr 26 j 22:40	27°♎22'22	
opposition	-10670 Jul 03 j 05:58	23°♎49'28	-1°09'03
min. Earth dist.	-10670 Jul 02 j 14:13	23°♎52'47	7.76662 AU
direct	-10670 Sep 06 j 14:16	20°♎21'23	
evening set	-10670 Dec 19 j 03:45	28°♎48'59	
	-10670 Dec 28 j 00:36	0°♏	
conjunction	-10669 Jan 06 j 05:53	1°♏14'35	-1°11'51
minimum elong	-10669 Jan 06 j 05:48	1°♏14'33	1°12'07
max. Earth dist.	-10669 Jan 07 j 05:01	1°♏22'23	9.76346 AU
morning rise	-10669 Jan 24 j 11:38	3°♏41'20	
retrograde	-10669 May 12 j 11:47	12°♏28'13	
opposition	-10669 Jul 18 j 08:32	8°♏55'30	-1°50'51
min. Earth dist.	-10669 Jul 17 j 13:17	8°♏59'34	7.77267 AU
direct	-10669 Sep 21 j 19:24	5°♏26'34	
evening set	-10668 Jan 04 j 04:11	13°♏56'25	
	-10668 Jan 12 j 03:52	15°♏	

Attention, astronomical year style is used: The year -10668 in astronomical counting style is the year 10669 BCE in historical counting style.

conjunction	-10668 Jan 22 j 07:57	16°♏21'49	-1°42'25	
minimum elong	-10668 Jan 22 j 07:52	16°♏21'48	1°42'48	
max. Earth dist.	-10668 Jan 23 j 11:11	16°♏30'58	9.79057 AU	
morning rise	-10668 Feb 09 j 14:04	18°♏47'55		
retrograde	-10668 May 26 j 17:38	27°♏28'36		
min. Earth dist.	-10668 Jul 31 j 09:57	24°♏01'10	7.82155 AU	
opposition	-10668 Aug 01 j 07:17	23°♏56'40	-2°24'44	
direct	-10668 Oct 06 j 01:52	20°♏27'10		
evening set	-10667 Jan 19 j 04:10	28°♏55'58		
	-10667 Jan 27 j 07:04	0°♐		
conjunction	-10667 Feb 06 j 08:05	1°♐20'01	-2°05'46	
minimum elong	-10667 Feb 06 j 08:00	1°♐19'59	2°06'15	
max. Earth dist.	-10667 Feb 07 j 13:33	1°♐29'49	9.85974 AU	
morning rise	-10667 Feb 24 j 12:57	3°♐44'15		
retrograde	-10667 Jun 10 j 13:18	12°♐14'44		
opposition	-10667 Aug 15 j 23:29	8°♐44'04	-2°48'20	
min. Earth dist.	-10667 Aug 15 j 01:19	8°♐48'43	7.91063 AU	
direct	-10667 Oct 21 j 06:35	5°♐14'17		
evening set	-10666 Feb 03 j 22:33	13°♐38'36		
conjunction	-10666 Feb 22 j 01:24	16°♐00'18	-2°20'30	
minimum elong	-10666 Feb 22 j 01:22	16°♐00'17	2°21'04	
max. Earth dist.	-10666 Feb 23 j 07:16	16°♐10'06	9.96687 AU	
morning rise	-10666 Mar 12 j 03:46	18°♐21'43		
retrograde	-10666 Jun 24 j 20:29	26°♐38'57		
min. Earth dist.	-10666 Aug 29 j 09:03	23°♐14'30	8.03411 AU	
opposition	-10666 Aug 30 j 07:11	23°♐09'54	-3°00'31	
direct	-10666 Nov 05 j 06:16	19°♐40'12		
evening set	-10665 Feb 19 j 06:49	27°♐56'54		
	-10665 Mar 07 j 07:22	0°♑		
conjunction	-10665 Mar 09 j 07:44	0°♑15'36	-2°26'10	
minimum elong	-10665 Mar 09 j 07:44	0°♑15'36	2°26'46	
max. Earth dist.	-10665 Mar 10 j 12:29	0°♑24'52	10.10476 AU	
morning rise	-10665 Mar 27 j 06:50	2°♑33'34		
retrograde	-10665 Jul 08 j 14:58	10°♑35'42		
min. Earth dist.	-10665 Sep 12 j 07:37	7°♑12'54	8.18371 AU	
opposition	-10665 Sep 13 j 04:51	7°♑08'33	-3°01'27	
direct	-10665 Nov 19 j 21:42	3°♑39'14		
evening set	-10664 Mar 05 j 02:07	11°♑46'02		
conjunction	-10664 Mar 23 j 00:40	14°♑01'23	-2°23'11	
minimum elong	-10664 Mar 23 j 00:41	14°♑01'23	2°23'47	
max. Earth dist.	-10664 Mar 24 j 02:52	14°♑09'40	10.26435 AU	
morning rise	-10664 Apr 09 j 20:08	16°♑15'38		
retrograde	-10664 Jul 20 j 20:55	24°♑01'59		
opposition	-10664 Sep 25 j 15:46	20°♑36'51	-2°52'13	
min. Earth dist.	-10664 Sep 24 j 20:29	20°♑40'45	8.34997 AU	
direct	-10664 Dec 03 j 03:46	17°♑08'14		
evening set	-10663 Mar 19 j 06:56	25°♑03'47		
conjunction	-10663 Apr 06 j 02:47	27°♑15'39	-2°12'35	
minimum elong	-10663 Apr 06 j 02:50	27°♑15'40	2°13'08	
max. Earth dist.	-10663 Apr 07 j 01:26	27°♑22'42	10.43584 AU	
morning rise	-10663 Apr 23 j 18:27	29°♑26'11		
	-10663 Apr 28 j 10:42	0°♒		
retrograde	-10663 Aug 02 j 14:07	6°♒57'10		
opposition	-10663 Oct 08 j 16:25	3°♒34'06	-2°34'27	
min. Earth dist.	-10663 Oct 08 j 00:31	3°♒37'16	8.52325 AU	
direct	-10663 Dec 16 j 23:13	0°♒06'27		
evening set	-10662 Apr 01 j 20:55	7°♒50'15		
conjunction	-10662 Apr 19 j 13:41	9°♒58'42	-1°55'44	
minimum elong	-10662 Apr 19 j 13:45	9°♒58'43	1°56'13	
max. Earth dist.	-10662 Apr 20 j 07:39	10°♒04'10	10.60972 AU	
morning rise	-10662 May 07 j 01:34	12°♒05'39		
	-10662 Jun 01 j 18:43	15°♒		
retrograde	-10662 Aug 14 j 20:29	19°♒22'31		
opposition	-10662 Oct 21 j 07:20	16°♒01'26	-2°10'03	
min. Earth dist.	-10662 Oct 20 j 19:54	16°♒03'41	8.69471 AU	
	-10662 Nov 03 j 14:04	15°℞♒		
direct	-10662 Dec 30 j 07:16	12°♒34'55		
	-10661 Feb 23 j 23:21	15°♒		
evening set	-10661 Apr 14 j 20:46	20°♒07'16		
conjunction	-10661 May 02 j 10:11	22°♒12'29	-1°34'04	
minimum elong	-10661 May 02 j 10:14	22°♒12'30	1°34'28	
max. Earth dist.	-10661 May 02 j 22:01	22°♒16'01	10.77762 AU	
morning rise	-10661 May 19 j 18:28	24°♒16'08		
	-10661 Jul 18 j 00:55	0°♓		
retrograde	-10661 Aug 26 j 16:03	1°♓20'38		
	-10661 Oct 06 j 01:52	30°℞♒		
opposition	-10661 Nov 02 j 13:26	28°♒01'23	-1°40'49	
min. Earth dist.	-10661 Nov 02 j 06:40	28°♒02'41	8.85662 AU	
direct	-10660 Jan 12 j 05:07	24°♒36'05		
	-10660 Apr 08 j 17:34	0°♓		
evening set	-10660 Apr 26 j 07:39	1°♓57'51		
conjunction	-10660 May 13 j 17:37	4°♓00'07	-1°09'01	
minimum elong	-10660 May 13 j 17:40	4°♓00'08	1°09'19	
max. Earth dist.	-10660 May 13 j 22:59	4°♓01'42	10.93234 AU	
morning rise	-10660 May 30 j 22:25	6°♓00'51		
retrograde	-10660 Sep 06 j 03:25	12°♓55'06		
opposition	-10660 Nov 13 j 12:08	9°♓37'25	-1°08'27	
min. Earth dist.	-10660 Nov 13 j 09:20	9°♓37'57	9.00227 AU	
direct	-10659 Jan 23 j 18:41	6°♓13'24		
evening set	-10659 May 08 j 07:25	13°♓25'49		
conjunction	-10659 May 25 j 13:52	15°♓25'29	-0°41'52	
minimum elong	-10659 May 25 j 13:54	15°♓25'29	0°42'04	
max. Earth dist.	-10659 May 25 j 13:56	15°♓25'30	11.06785 AU	
morning rise	-10659 Jun 11 j 15:03	17°♓23'38		
retrograde	-10659 Sep 17 j 11:04	24°♓09'54		
opposition	-10659 Nov 25 j 04:56	20°♓53'32	-0°34'23	
min. Earth dist.	-10659 Nov 25 j 06:16	20°♓53'18	9.12635 AU	
direct	-10658 Feb 04 j 21:58	17°♓30'50		
evening set	-10658 May 19 j 21:54	24°♓35'23		
conjunction	-10658 Jun 06 j 00:46	26°♓32'49	-0°13'44	
minimum elong	-10658 Jun 06 j 00:46	26°♓32'49	0°13'50	
behind sun begin	-10658 Jun 05 j 21:03	26°♓31'46		
behind sun end	-10658 Jun 06 j 04:30	26°♓33'53		
max. Earth dist.	-10658 Jun 05 j 20:08	26°♓31'30	11.17949 AU	
morning rise	-10658 Jun 22 j 22:23	28°♓28'50		
	-10658 Jul 06 j 18:19	0°♈		
retrograde	-10658 Sep 28 j 13:07	5°♈09'25		
asc. node	-10658 Dec 05 j 09:45	1°♈59'59		
opposition	-10658 Dec 06 j 17:34	1°♈54'05	0°00'07	
min. Earth dist.	-10658 Dec 06 j 23:44	1°♈52'57	9.22492 AU	
	-10657 Jan 03 j 02:20	30°℞♓		
direct	-10657 Feb 16 j 17:15	28°♓32'35		
	-10657 Apr 01 j 15:04	0°♈		
evening set	-10657 May 31 j 04:59	5°♈30'56		
conjunction	-10657 Jun 17 j 04:05	7°♈26'31	0°14'29	
minimum elong	-10657 Jun 17 j 04:04	7°♈26'31	0°14'30	
behind sun begin	-10657 Jun 17 j 00:53	7°♈25'37		
behind sun end	-10657 Jun 17 j 07:16	7°♈27'25		
max. Earth dist.	-10657 Jun 16 j 17:55	7°♈23'37	11.26380 AU	
morning rise	-10657 Jul 03 j 22:29	9°♈20'50		
retrograde	-10657 Oct 09 j 13:09	15°♈58'01		
opposition	-10657 Dec 18 j 03:23	12°♈43'25	0°34'01	
min. Earth dist.	-10657 Dec 18 j 14:20	12°♈41'24	9.29490 AU	

Attention, astronomical year style is used: The year -10656 in astronomical counting style is the year 10657 BCE in historical counting style.

direct	-10656 Feb 28 j 07:53	9°♈22'58		
evening set	-10656 Jun 10 j 06:41	16°♈16'53		
max. Earth dist.	-10656 Jun 26 j 10:40	18°♈06'38	11.31823 AU	
conjunction	-10656 Jun 27 j 02:05	18°♈11'01	0°41'46	
minimum elong	-10656 Jun 27 j 02:03	18°♈11'01	0°41'54	
morning rise	-10656 Jul 13 j 17:30	20°♈04'06		
retrograde	-10656 Oct 19 j 11:56	26°♈40'10		
opposition	-10656 Dec 28 j 11:52	23°♈25'53	1°06'20	
min. Earth dist.	-10656 Dec 29 j 02:12	23°♈23'17	9.33410 AU	
direct	-10655 Mar 10 j 18:15	20°♈06'22		
evening set	-10655 Jun 21 j 04:41	26°♈57'33		
conjunction	-10655 Jul 07 j 20:47	28°♈50'42	1°07'25	
minimum elong	-10655 Jul 07 j 20:45	28°♈50'41	1°07'40	
max. Earth dist.	-10655 Jul 07 j 02:11	28°♈45'24	11.34115 AU	
	-10655 Jul 18 j 00:24	0°♉		
morning rise	-10655 Jul 24 j 09:23	0°♉42'59		
retrograde	-10655 Oct 30 j 15:06	7°♉20'08		
opposition	-10654 Jan 08 j 20:58	4°♉05'51	1°36'15	
min. Earth dist.	-10654 Jan 09 j 14:04	4°♉02'45	9.34133 AU	
direct	-10654 Mar 22 j 02:46	0°♉47'04		
evening set	-10654 Jul 02 j 00:48	7°♉37'09		
conjunction	-10654 Jul 18 j 13:54	9°♉29'48	1°30'43	
minimum elong	-10654 Jul 18 j 13:50	9°♉29'47	1°31'03	
max. Earth dist.	-10654 Jul 17 j 16:26	9°♉23'40	11.33182 AU	
morning rise	-10654 Aug 04 j 00:07	11°♉21'47		
	-10654 Sep 08 j 12:40	15°♉		
retrograde	-10654 Nov 10 j 19:08	18°♉02'07		
	-10653 Jan 17 j 10:51	15°℞♉		
opposition	-10653 Jan 20 j 07:59	14°♉47'29	2°02'55	
min. Earth dist.	-10653 Jan 21 j 04:21	14°♉43'48	9.31631 AU	
direct	-10653 Apr 02 j 07:46	11°♉29'10		
	-10653 Jun 10 j 21:16	15°♉		
evening set	-10653 Jul 12 j 21:04	18°♉19'54		
max. Earth dist.	-10653 Jul 28 j 06:23	20°♉05'17	11.29049 AU	
conjunction	-10653 Jul 29 j 07:29	20°♉12'31	1°50'57	
minimum elong	-10653 Jul 29 j 07:26	20°♉12'30	1°51'21	
morning rise	-10653 Aug 14 j 16:07	22°♉04'43		
retrograde	-10653 Nov 22 j 04:33	28°♉50'16		
opposition	-10652 Jan 31 j 22:08	25°♉34'55	2°25'34	
min. Earth dist.	-10652 Feb 01 j 21:13	25°♉30'44	9.25964 AU	
direct	-10652 Apr 12 j 15:29	22°♉16'48		
evening set	-10652 Jul 22 j 18:56	29°♉09'50		
	-10652 Jul 30 j 02:14	0°♊		
max. Earth dist.	-10652 Aug 07 j 00:32	0°♊55'07	11.21821 AU	
conjunction	-10652 Aug 08 j 03:28	1°♊02'57	2°07'25	
minimum elong	-10652 Aug 08 j 03:26	1°♊02'56	2°07'54	
morning rise	-10652 Aug 24 j 11:13	2°♊55'56		
retrograde	-10652 Dec 02 j 19:40	9°♊48'41		
opposition	-10651 Feb 11 j 17:07	6°♊32'15	2°43'21	
min. Earth dist.	-10651 Feb 12 j 17:14	6°♊27'52	9.17264 AU	
direct	-10651 Apr 24 j 00:45	3°♊14'05		
evening set	-10651 Aug 02 j 20:00	10°♊10'59		
max. Earth dist.	-10651 Aug 18 j 00:36	11°♊57'12	11.11670 AU	
conjunction	-10651 Aug 19 j 03:41	12°♊05'10	2°19'28	
minimum elong	-10651 Aug 19 j 03:39	12°♊05'09	2°20'01	
morning rise	-10651 Sep 04 j 11:17	13°♊59'29		
retrograde	-10651 Dec 14 j 20:31	21°♊01'23		
opposition	-10650 Feb 23 j 18:14	17°♊43'31	2°55'28	
min. Earth dist.	-10650 Feb 24 j 18:12	17°♊39'07	9.05743 AU	
direct	-10650 May 05 j 14:21	14°♊25'04		
evening set	-10650 Aug 14 j 02:25	21°♊27'24		
max. Earth dist.	-10650 Aug 29 j 06:31	23°♊15'01	10.98856 AU	
conjunction	-10650 Aug 30 j 10:11	23°♊23'16	2°26'25	
minimum elong	-10650 Aug 30 j 10:11	23°♊23'16	2°27'00	
morning rise	-10650 Sep 15 j 18:53	25°♊19'34		
	-10650 Oct 31 j 00:36	0°♋		
retrograde	-10650 Dec 27 j 07:19	2°♋32'22		
	-10649 Feb 25 j 09:55	30°℞♊		
opposition	-10649 Mar 08 j 02:35	29°♊12'51	3°01'02	
min. Earth dist.	-10649 Mar 09 j 02:35	29°♊08'24	8.91713 AU	
direct	-10649 May 17 j 07:07	25°♊53'52		
	-10649 Jul 29 j 06:26	0°♋		
evening set	-10649 Aug 25 j 15:55	3°♋03'13		
max. Earth dist.	-10649 Sep 09 j 21:09	4°♋53'00	10.83772 AU	
conjunction	-10649 Sep 11 j 00:53	5°♋01'24	2°27'36	
minimum elong	-10649 Sep 11 j 00:53	5°♋01'25	2°28'13	
morning rise	-10649 Sep 27 j 12:01	7°♋00'22		
retrograde	-10648 Jan 09 j 02:16	14°♋25'42		
opposition	-10648 Mar 19 j 19:40	11°♋04'20	2°59'14	
min. Earth dist.	-10648 Mar 20 j 18:47	10°♋59'59	8.75666 AU	
direct	-10648 May 28 j 07:36	7°♋44'34		
evening set	-10648 Sep 05 j 14:11	15°♋02'23		
max. Earth dist.	-10648 Sep 21 j 00:16	16°♋55'40	10.67016 AU	
conjunction	-10648 Sep 22 j 01:44	17°♋03'32	2°22'27	
minimum elong	-10648 Sep 22 j 01:46	17°♋03'32	2°23'02	
morning rise	-10648 Oct 08 j 16:29	19°♋05'44		
retrograde	-10647 Jan 21 j 10:42	26°♋44'57		
opposition	-10647 Apr 01 j 22:19	23°♋21'31	2°49'20	
min. Earth dist.	-10647 Apr 02 j 18:50	23°♋17'36	8.58303 AU	
direct	-10647 Jun 09 j 18:04	20°♋00'48		
evening set	-10647 Sep 17 j 23:16	27°♋28'11		
conjunction	-10647 Oct 04 j 14:51	29°♋32'52	2°10'31	
minimum elong	-10647 Oct 04 j 14:54	29°♋32'53	2°11'03	
max. Earth dist.	-10647 Oct 03 j 17:45	29°♋26'13	10.49347 AU	
	-10647 Oct 08 j 05:08	0°♌		
morning rise	-10647 Oct 21 j 10:22	1°♌38'54		
retrograde	-10646 Feb 04 j 08:23	9°♌32'40		
opposition	-10646 Apr 15 j 10:53	6°♌07'04	2°30'49	
min. Earth dist.	-10646 Apr 16 j 02:57	6°♌03'57	8.40450 AU	
direct	-10646 Jun 22 j 12:25	2°♌45'14		
evening set	-10646 Sep 30 j 20:49	10°♌23'03		
conjunction	-10646 Oct 17 j 17:31	12°♌31'42	1°51'39	
minimum elong	-10646 Oct 17 j 17:35	12°♌31'43	1°52'07	
max. Earth dist.	-10646 Oct 17 j 01:25	12°♌26'32	10.31627 AU	
morning rise	-10646 Nov 03 j 18:54	14°♌41'58		
	-10646 Nov 06 j 04:37	15°♌		
retrograde	-10645 Feb 18 j 17:52	22°♌50'18		
opposition	-10645 Apr 29 j 09:34	19°♌22'35	2°03'37	
min. Earth dist.	-10645 Apr 29 j 20:21	19°♌20'27	8.23008 AU	
direct	-10645 Jul 05 j 16:54	15°♌59'30		
evening set	-10645 Oct 14 j 08:09	23°♌48'15		
conjunction	-10645 Oct 31 j 10:42	26°♌01'06	1°26'07	
minimum elong	-10645 Oct 31 j 10:46	26°♌01'07	1°26'29	
max. Earth dist.	-10645 Oct 31 j 00:19	25°♌57'43	10.14791 AU	
morning rise	-10645 Nov 17 j 18:40	28°♌15'45		
	-10645 Dec 01 j 16:49	0°♍		
retrograde	-10644 Mar 04 j 13:59	6°♍37'52		
opposition	-10644 May 12 j 17:49	3°♍08'10	1°28'18	
min. Earth dist.	-10644 May 12 j 22:56	3°♍07'09	8.06957 AU	
	-10644 Jul 01 j 08:39	30°℞♌		
direct	-10644 Jul 18 j 09:03	29°♌43'46		
	-10644 Aug 04 j 06:27	0°♍		

Attention, astronomical year style is used: The year -10644 in astronomical counting style is the year 10645 BCE in historical counting style.

evening set	-10644 Oct 27 j 10:03	7°♍43'28	
conjunction	-10644 Nov 13 j 18:54	10°♍00'27	0°54'47
minimum elong	-10644 Nov 13 j 18:57	10°♍00'28	0°55'02
max. Earth dist.	-10644 Nov 13 j 15:02	9°♍59'10	9.99832 AU
morning rise	-10644 Dec 01 j 09:40	12°♍19'22	
retrograde	-10643 Mar 19 j 19:44	20°♍53'25	
opposition	-10643 May 27 j 10:24	17°♍22'03	0°46'18
min. Earth dist.	-10643 May 27 j 09:52	17°♍22'10	7.93296 AU
direct	-10643 Aug 01 j 11:44	13°♍56'17	
evening set	-10643 Nov 11 j 02:28	22°♍06'20	
conjunction	-10643 Nov 28 j 17:34	24°♍27'02	0°19'12
minimum elong	-10643 Nov 28 j 17:35	24°♍27'02	0°19'18
max. Earth dist.	-10643 Nov 28 j 21:10	24°♍28'14	9.87704 AU
morning rise	-10643 Dec 16 j 14:35	26°♍49'40	
	-10642 Jan 10 j 23:14	0°♎	
retrograde	-10642 Apr 04 j 08:01	5°♎32'46	
opposition	-10642 Jun 11 j 09:24	2°♎00'09	0°00'02
min. Earth dist.	-10642 Jun 11 j 03:15	2°♎01'25	7.82932 AU
desc. node	-10642 Jun 11 j 14:22	1°♎59'07	
	-10642 Jul 07 j 04:23	30°℞♍	
direct	-10642 Aug 16 j 00:41	28°♍33'04	
	-10642 Sep 24 j 01:34	0°♎	
evening set	-10642 Nov 26 j 08:15	6°♎52'07	
conjunction	-10642 Dec 14 j 04:49	9°♎15'44	-0°18'28
minimum elong	-10642 Dec 14 j 04:48	9°♎15'43	0°18'31
max. Earth dist.	-10642 Dec 14 j 16:15	9°♎19'35	9.79237 AU
morning rise	-10641 Jan 01 j 06:45	11°♎41'05	
retrograde	-10641 Apr 19 j 23:09	20°♎29'22	
opposition	-10641 Jun 26 j 12:04	16°♎56'01	-0°47'14
min. Earth dist.	-10641 Jun 26 j 00:20	16°♎58'29	7.76602 AU
direct	-10641 Aug 30 j 22:27	13°♎27'46	
evening set	-10641 Dec 12 j 00:41	21°♎53'39	
conjunction	-10641 Dec 30 j 01:26	24°♎19'04	-0°55'20
minimum elong	-10641 Dec 30 j 01:22	24°♎19'02	0°55'32
max. Earth dist.	-10641 Dec 30 j 20:16	24°♎25'26	9.75067 AU
morning rise	-10640 Jan 17 j 06:33	26°♎45'52	
	-10640 Feb 11 j 21:13	0°♏	
retrograde	-10640 May 04 j 13:15	5°♏34'49	
opposition	-10640 Jul 10 j 15:36	2°♏01'19	-1°31'44
min. Earth dist.	-10640 Jul 09 j 22:50	2°♏04'51	7.74785 AU
	-10640 Aug 05 j 06:04	30°℞♎	
direct	-10640 Sep 14 j 02:24	28°♎32'06	
	-10640 Oct 23 j 07:48	0°♏	
evening set	-10640 Dec 26 j 23:49	7°♏01'54	
conjunction	-10639 Jan 14 j 03:10	9°♏27'47	-1°28'36
minimum elong	-10639 Jan 14 j 03:05	9°♏27'45	1°28'56
max. Earth dist.	-10639 Jan 15 j 04:14	9°♏36'15	9.75517 AU
morning rise	-10639 Feb 01 j 09:32	11°♏54'36	
	-10639 Feb 25 j 20:32	15°♏	
retrograde	-10639 May 19 j 22:11	20°♏39'30	
opposition	-10639 Jul 25 j 16:44	17°♏06'27	-2°09'48
min. Earth dist.	-10639 Jul 24 j 20:01	17°♏10'49	7.77605 AU
	-10639 Aug 21 j 12:07	15°℞♏	
direct	-10639 Sep 29 j 08:35	13°♏36'32	
	-10639 Nov 06 j 18:23	15°♏	
evening set	-10638 Jan 12 j 00:58	22°♏06'51	
conjunction	-10638 Jan 30 j 05:13	24°♏31'55	-1°55'38
minimum elong	-10638 Jan 30 j 05:08	24°♏31'53	1°56'05
max. Earth dist.	-10638 Jan 31 j 10:44	24°♏41'47	9.80545 AU
morning rise	-10638 Feb 17 j 10:56	26°♏57'22	
	-10638 Mar 13 j 17:39	0°♐	
retrograde	-10638 Jun 03 j 23:01	5°♐33'46	
opposition	-10638 Aug 09 j 12:28	2°♐01'46	-2°38'32
min. Earth dist.	-10638 Aug 08 j 13:15	2°♐06'40	7.84829 AU
	-10638 Sep 04 j 06:05	30°℞♏	
direct	-10638 Oct 14 j 13:55	28°♏31'31	
	-10638 Nov 23 j 13:19	0°♐	
evening set	-10637 Jan 27 j 22:43	6°♐58'47	
conjunction	-10637 Feb 15 j 02:26	9°♐21'54	-2°14'36
minimum elong	-10637 Feb 15 j 02:22	9°♐21'53	2°15'08
max. Earth dist.	-10637 Feb 16 j 10:16	9°♐32'26	9.89769 AU
morning rise	-10637 Mar 05 j 06:04	11°♐44'53	
retrograde	-10637 Jun 18 j 13:25	20°♐09'14	
min. Earth dist.	-10637 Aug 23 j 00:43	16°♐43'47	7.95918 AU
opposition	-10637 Aug 24 j 00:35	16°♐38'48	-2°56'12
direct	-10637 Oct 29 j 15:05	13°♐08'34	
evening set	-10636 Feb 12 j 12:10	21°♐29'29	
conjunction	-10636 Mar 01 j 14:19	23°♐49'50	-2°24'34
minimum elong	-10636 Mar 01 j 14:17	23°♐49'50	2°25'09
max. Earth dist.	-10636 Mar 02 j 22:06	24°♐00'11	10.02519 AU
morning rise	-10636 Mar 19 j 14:59	26°♐09'37	
	-10636 Apr 20 j 20:52	0°♑	
retrograde	-10636 Jul 01 j 15:48	4°♑19'29	
min. Earth dist.	-10636 Sep 05 j 04:26	0°♑55'42	8.10084 AU
opposition	-10636 Sep 06 j 03:15	0°♑50'59	-3°02'22
	-10636 Sep 16 j 12:14	30°℞♐	
direct	-10636 Nov 12 j 09:57	27°♐21'09	
	-10635 Jan 07 j 06:59	0°♑	
evening set	-10635 Feb 26 j 14:12	5°♑33'08	
conjunction	-10635 Mar 16 j 14:03	7°♑50'14	-2°25'35
minimum elong	-10635 Mar 16 j 14:03	7°♑50'14	2°26'11
max. Earth dist.	-10635 Mar 17 j 19:25	7°♑59'37	10.17914 AU
morning rise	-10635 Apr 03 j 11:16	10°♑06'22	
retrograde	-10635 Jul 15 j 04:13	18°♑00'31	
opposition	-10635 Sep 19 j 19:29	14°♑34'15	-2°57'44
min. Earth dist.	-10635 Sep 18 j 22:58	14°♑38'26	8.26399 AU
direct	-10635 Nov 26 j 21:30	11°♑05'10	
evening set	-10634 Mar 13 j 02:22	19°♑06'28	
conjunction	-10634 Mar 30 j 23:29	21°♑20'03	-2°18'24
minimum elong	-10634 Mar 30 j 23:31	21°♑20'04	2°18'59
max. Earth dist.	-10634 Apr 01 j 00:46	21°♑27'58	10.34989 AU
morning rise	-10634 Apr 17 j 17:04	23°♑32'25	
	-10634 Jun 21 j 18:36	0°♒	
retrograde	-10634 Jul 28 j 02:19	1°♒10'52	
	-10634 Sep 02 j 21:38	30°℞♑	
min. Earth dist.	-10634 Oct 02 j 07:35	27°♑50'27	8.43897 AU
opposition	-10634 Oct 03 j 01:19	27°♑46'53	-2°43'42
direct	-10634 Dec 10 j 22:57	24°♑18'52	
	-10633 Mar 08 j 14:49	0°♒	
evening set	-10633 Mar 26 j 23:34	2°♒08'32	
conjunction	-10633 Apr 13 j 17:44	4°♒18'37	-2°04'17
minimum elong	-10633 Apr 13 j 17:47	4°♒18'38	2°04'48
max. Earth dist.	-10633 Apr 14 j 14:04	4°♒24'52	10.52771 AU
morning rise	-10633 May 01 j 07:38	6°♒27'17	
retrograde	-10633 Aug 09 j 13:58	13°♒50'57	
opposition	-10633 Oct 15 j 20:58	10°♒29'11	-2°22'08
min. Earth dist.	-10633 Oct 15 j 06:17	10°♒32'04	8.61633 AU
direct	-10633 Dec 24 j 12:48	7°♒02'26	
evening set	-10632 Apr 08 j 06:24	14°♒40'21	
	-10632 Apr 11 j 00:44	15°♒	
conjunction	-10632 Apr 25 j 21:30	16°♒47'06	-1°44'39
minimum elong	-10632 Apr 25 j 21:34	16°♒47'07	1°45'05

Attention, astronomical year style is used: The year -10632 in astronomical counting style is the year 10633 BCE in historical counting style.

max. Earth dist.	-10632 Apr 26 j 12:58	16°♒51'46	10.70341 AU
morning rise	-10632 May 13 j 07:38	18°♒52'19	
retrograde	-10632 Aug 20 j 15:49	26°♒02'38	
opposition	-10632 Oct 27 j 07:18	22°♒42'56	-1°54'53
min. Earth dist.	-10632 Oct 26 j 20:42	22°♒44'59	8.78738 AU
direct	-10631 Jan 05 j 14:59	19°♒17'32	
evening set	-10631 Apr 20 j 23:50	26°♒44'20	
conjunction	-10631 May 08 j 11:38	28°♒47'58	-1°20'59
minimum elong	-10631 May 08 j 11:41	28°♒47'59	1°21'20
max. Earth dist.	-10631 May 08 j 21:43	28°♒50'58	10.86867 AU
	-10631 May 18 j 14:56	0°♓	
morning rise	-10631 May 25 j 17:59	0°♓50'01	
retrograde	-10631 Sep 01 j 08:05	7°♓48'59	
opposition	-10631 Nov 08 j 09:51	4°♓31'05	-1°23'44
min. Earth dist.	-10631 Nov 08 j 04:27	4°♓32'07	8.94450 AU
direct	-10630 Jan 18 j 08:28	1°♓07'02	
evening set	-10630 May 03 j 05:10	8°♓23'46	
conjunction	-10630 May 20 j 13:20	10°♓24'35	-0°54'37
minimum elong	-10630 May 20 j 13:22	10°♓24'36	0°54'52
max. Earth dist.	-10630 May 20 j 16:59	10°♓25'39	11.01632 AU
morning rise	-10630 Jun 06 j 16:06	12°♓23'51	
retrograde	-10630 Sep 12 j 17:28	19°♓13'40	
opposition	-10630 Nov 20 j 05:45	15°♓57'16	-0°50'16
min. Earth dist.	-10630 Nov 20 j 05:46	15°♓57'16	9.08108 AU
direct	-10629 Jan 30 j 15:58	12°♓34'31	
evening set	-10629 May 15 j 00:18	19°♓42'36	
conjunction	-10629 Jun 01 j 04:43	21°♓41'00	-0°26'47
minimum elong	-10629 Jun 01 j 04:45	21°♓41'00	0°26'57
max. Earth dist.	-10629 Jun 01 j 01:21	21°♓40'01	11.14041 AU
morning rise	-10629 Jun 18 j 04:07	23°♓37'56	
	-10629 Sep 03 j 13:25	0°♈	
retrograde	-10629 Sep 23 j 20:17	0°♈20'56	
	-10629 Oct 14 j 10:11	30°℞♓	
opposition	-10629 Dec 01 j 20:16	27°♓05'41	-0°15'48
min. Earth dist.	-10629 Dec 02 j 00:51	27°♓04'50	9.19179 AU
direct	-10628 Feb 11 j 16:27	23°♓44'07	
	-10628 May 18 j 15:40	0°♈	
asc. node	-10628 May 22 j 00:13	0°♈22'12	
evening set	-10628 May 25 j 11:02	0°♈45'17	
conjunction	-10628 Jun 11 j 11:52	2°♈41'39	0°01'34
minimum elong	-10628 Jun 11 j 11:52	2°♈41'39	0°01'31
behind sun begin	-10628 Jun 11 j 04:51	2°♈39'40	
behind sun end	-10628 Jun 11 j 18:54	2°♈43'39	
max. Earth dist.	-10628 Jun 11 j 03:11	2°♈39'11	11.23659 AU
morning rise	-10628 Jun 28 j 07:51	4°♈36'42	
retrograde	-10628 Oct 03 j 23:08	11°♈15'17	
opposition	-10628 Dec 12 j 07:26	8°♈00'49	0°18'31
min. Earth dist.	-10628 Dec 12 j 16:06	7°♈59'13	9.27323 AU
direct	-10627 Feb 22 j 10:35	4°♈40'19	
evening set	-10627 Jun 05 j 15:24	11°♈36'13	
conjunction	-10627 Jun 22 j 12:38	13°♈30'59	0°29'21
minimum elong	-10627 Jun 22 j 12:37	13°♈30'59	0°29'25
max. Earth dist.	-10627 Jun 21 j 23:38	13°♈27'17	11.30235 AU
morning rise	-10627 Jul 09 j 05:17	15°♈24'34	
retrograde	-10627 Oct 14 j 22:49	22°♈01'00	
opposition	-10627 Dec 23 j 16:51	18°♈46'56	0°51'41
min. Earth dist.	-10627 Dec 24 j 06:08	18°♈44'30	9.32363 AU
direct	-10626 Mar 05 j 21:50	15°♈27'17	
evening set	-10626 Jun 16 j 15:19	22°♈19'38	
conjunction	-10626 Jul 03 j 08:56	24°♈13'13	0°55'51
minimum elong	-10626 Jul 03 j 08:54	24°♈13'12	0°56'03
max. Earth dist.	-10626 Jul 02 j 14:50	24°♈08'03	11.33646 AU
morning rise	-10626 Jul 19 j 22:45	26°♈05'49	
	-10626 Aug 27 j 16:57	0°♉	
retrograde	-10626 Oct 25 j 23:19	2°♉42'17	
	-10626 Dec 27 j 17:42	30°℞♈	
opposition	-10625 Jan 04 j 01:46	29°♈28'13	1°22'48
min. Earth dist.	-10625 Jan 04 j 19:19	29°♈25'02	9.34212 AU
direct	-10625 Mar 17 j 07:31	26°♈09'08	
	-10625 May 29 j 20:46	0°♉	
evening set	-10625 Jun 27 j 12:20	2°♉59'40	
max. Earth dist.	-10625 Jul 13 j 04:27	4°♉46'10	11.33835 AU
conjunction	-10625 Jul 14 j 02:42	4°♉52'31	1°20'19
minimum elong	-10625 Jul 14 j 02:39	4°♉52'30	1°20'37
morning rise	-10625 Jul 30 j 14:07	6°♉44'37	
retrograde	-10625 Nov 06 j 00:57	13°♉23'16	
opposition	-10624 Jan 15 j 11:39	10°♉08'46	1°51'05
min. Earth dist.	-10624 Jan 16 j 07:57	10°♉05'06	9.32820 AU
direct	-10624 Mar 27 j 14:57	6°♉50'05	
evening set	-10624 Jul 07 j 08:16	13°♉40'27	
	-10624 Jul 19 j 00:39	15°♉	
conjunction	-10624 Jul 23 j 19:55	15°♉33'03	1°42'02
minimum elong	-10624 Jul 23 j 19:52	15°♉33'02	1°42'25
max. Earth dist.	-10624 Jul 22 j 19:40	15°♉26'05	11.30796 AU
morning rise	-10624 Aug 09 j 05:14	17°♉25'07	
retrograde	-10624 Nov 16 j 08:49	24°♉08'04	
opposition	-10623 Jan 26 j 00:04	20°♉52'49	2°15'41
min. Earth dist.	-10623 Jan 26 j 22:04	20°♉48'49	9.28231 AU
direct	-10623 Apr 07 j 22:43	17°♉34'17	
evening set	-10623 Jul 18 j 05:00	24°♉26'08	
conjunction	-10623 Aug 03 j 14:30	26°♉19'01	2°00'20
minimum elong	-10623 Aug 03 j 14:27	26°♉19'00	2°00'47
max. Earth dist.	-10623 Aug 02 j 12:15	26°♉11'26	11.24632 AU
morning rise	-10623 Aug 19 j 22:26	28°♉11'37	
	-10623 Sep 05 j 09:21	0°♊	
retrograde	-10623 Nov 27 j 21:03	5°♊00'50	
opposition	-10622 Feb 06 j 16:40	1°♊44'31	2°35'50
min. Earth dist.	-10622 Feb 07 j 16:33	1°♊40'10	9.20600 AU
	-10622 Mar 03 j 21:15	30°℞♉	
direct	-10622 Apr 19 j 05:11	28°♉25'55	
	-10622 Jun 03 j 02:47	0°♊	
evening set	-10622 Jul 29 j 04:13	5°♊20'55	
max. Earth dist.	-10622 Aug 13 j 07:56	7°♊06'21	11.15545 AU
conjunction	-10622 Aug 14 j 12:11	7°♊14'36	2°14'31
minimum elong	-10622 Aug 14 j 12:09	7°♊14'35	2°15'02
morning rise	-10622 Aug 30 j 19:49	9°♊08'18	
retrograde	-10622 Dec 09 j 16:00	16°♊05'48	
opposition	-10621 Feb 18 j 14:36	12°♊48'06	2°50'42
min. Earth dist.	-10621 Feb 19 j 15:48	12°♊43'29	9.10155 AU
direct	-10621 Apr 30 j 16:44	9°♊29'13	
evening set	-10621 Aug 09 j 07:46	16°♊29'00	
max. Earth dist.	-10621 Aug 24 j 10:50	18°♊15'39	11.03807 AU
conjunction	-10621 Aug 25 j 15:18	18°♊24'05	2°23'55
minimum elong	-10621 Aug 25 j 15:17	18°♊24'05	2°24'29
morning rise	-10621 Sep 10 j 23:30	20°♊19'29	
retrograde	-10621 Dec 21 j 20:39	27°♊27'04	
opposition	-10620 Mar 01 j 19:05	24°♊07'47	2°59'26
min. Earth dist.	-10620 Mar 02 j 19:47	24°♊03'13	8.97217 AU
direct	-10620 May 11 j 08:25	20°♊48'27	
evening set	-10620 Aug 19 j 17:22	27°♊54'31	
max. Earth dist.	-10620 Sep 03 j 22:51	29°♊43'33	10.89795 AU
conjunction	-10620 Sep 05 j 01:43	29°♊51'38	2°27'52

Attention, astronomical year style is used: The year -10620 in astronomical counting style is the year 10621 BCE in historical counting style.

minimum elong	-10620 Sep 05 j 01:43	29°♊51'38	2°28'28
	-10620 Sep 06 j 05:31	0°♋	
morning rise	-10620 Sep 21 j 11:32	1°♋49'20	
retrograde	-10619 Jan 02 j 11:46	9°♋08'43	
opposition	-10619 Mar 14 j 07:45	5°♋47'39	3°01'10
min. Earth dist.	-10619 Mar 15 j 06:25	5°♋43'24	8.82221 AU
direct	-10619 May 23 j 05:25	2°♋27'44	
evening set	-10619 Aug 31 j 10:56	9°♋41'28	
conjunction	-10619 Sep 16 j 21:15	11°♋41'14	2°25'44
minimum elong	-10619 Sep 16 j 21:16	11°♋41'14	2°26'20
max. Earth dist.	-10619 Sep 15 j 20:14	11°♋33'34	10.74005 AU
morning rise	-10619 Oct 03 j 10:02	13°♋41'53	
retrograde	-10618 Jan 15 j 15:28	21°♋14'27	
opposition	-10618 Mar 27 j 05:33	17°♋51'28	2°55'07
min. Earth dist.	-10618 Mar 28 j 01:42	17°♋47'39	8.65722 AU
direct	-10618 Jun 04 j 09:43	14°♋30'48	
evening set	-10618 Sep 12 j 14:33	21°♋53'30	
max. Earth dist.	-10618 Sep 28 j 05:12	23°♋49'21	10.57053 AU
conjunction	-10618 Sep 29 j 04:02	23°♋56'28	2°17'01
minimum elong	-10618 Sep 29 j 04:05	23°♋56'29	2°17'34
morning rise	-10618 Oct 15 j 21:11	26°♋00'41	
	-10618 Nov 20 j 07:03	0°♌	
retrograde	-10617 Jan 29 j 06:12	3°♌47'22	
opposition	-10617 Apr 09 j 13:00	0°♌22'27	2°40'39
min. Earth dist.	-10617 Apr 10 j 06:19	0°♌19'06	8.48407 AU
	-10617 Apr 14 j 09:39	30°℞♋	
direct	-10617 Jun 16 j 22:18	27°♋00'52	
	-10617 Aug 15 j 10:14	0°♌	
evening set	-10617 Sep 25 j 05:44	4°♌33'35	
conjunction	-10617 Oct 11 j 23:42	6°♌40'17	2°01'23
minimum elong	-10617 Oct 11 j 23:46	6°♌40'18	2°01'53
max. Earth dist.	-10617 Oct 11 j 05:06	6°♌34'23	10.39682 AU
morning rise	-10617 Oct 28 j 22:19	8°♌48'31	
	-10617 Dec 27 j 05:19	15°♌	
retrograde	-10616 Feb 12 j 08:31	16°♌49'47	
	-10616 Mar 31 j 17:34	15°℞♌	
opposition	-10616 Apr 22 j 06:45	13°♌22'54	2°17'28
min. Earth dist.	-10616 Apr 22 j 19:59	13°♌20'19	8.31091 AU
direct	-10616 Jun 28 j 22:33	10°♌00'19	
	-10616 Sep 14 j 20:26	15°♌	
evening set	-10616 Oct 07 j 09:56	17°♌43'44	
conjunction	-10616 Oct 24 j 09:32	19°♌54'31	1°38'54
minimum elong	-10616 Oct 24 j 09:36	19°♌54'32	1°39'19
max. Earth dist.	-10616 Oct 23 j 21:03	19°♌50'29	10.22750 AU
morning rise	-10616 Nov 10 j 14:23	22°♌07'03	
	-10615 Feb 05 j 04:00	0°♍	
retrograde	-10615 Feb 25 j 23:11	0°♍22'35	
	-10615 Mar 18 j 23:06	30°℞♌	
opposition	-10615 May 06 j 10:28	26°♌53'51	1°45'48
min. Earth dist.	-10615 May 06 j 18:11	26°♌52'19	8.14697 AU
direct	-10615 Jul 12 j 09:59	23°♌30'11	
	-10615 Oct 10 j 00:55	0°♍	
evening set	-10615 Oct 21 j 04:41	1°♍24'31	
conjunction	-10615 Nov 07 j 10:35	3°♍39'30	1°10'07
minimum elong	-10615 Nov 07 j 10:39	3°♍39'31	1°10'26
max. Earth dist.	-10615 Nov 07 j 05:18	3°♍37'46	10.07205 AU
morning rise	-10615 Nov 24 j 22:04	5°♍56'22	
retrograde	-10614 Mar 13 j 01:19	14°♍24'46	
opposition	-10614 May 20 j 23:02	10°♍54'25	1°06'40
min. Earth dist.	-10614 May 21 j 00:29	10°♍54'08	8.00200 AU
direct	-10614 Jul 26 j 06:45	7°♍29'38	
evening set	-10614 Nov 04 j 14:15	15°♍34'36	

conjunction	-10614 Nov 22 j 02:31	17°♍53'30	0°36'16
minimum elong	-10614 Nov 22 j 02:33	17°♍53'31	0°36'27
max. Earth dist.	-10614 Nov 22 j 04:45	17°♍54'15	9.94017 AU
morning rise	-10614 Dec 09 j 20:26	20°♍14'20	
retrograde	-10613 Mar 28 j 11:29	28°♍53'13	
opposition	-10613 Jun 04 j 19:08	25°♍21'35	0°22'02
min. Earth dist.	-10613 Jun 04 j 14:08	25°♍22'36	7.88552 AU
direct	-10613 Aug 09 j 14:16	21°♍55'39	
	-10613 Nov 18 j 06:41	0°♎	
evening set	-10613 Nov 19 j 13:46	0°♎10'13	
desc. node	-10613 Nov 29 j 20:56	1°♎32'22	
conjunction	-10613 Dec 07 j 07:50	2°♎32'24	-0°00'45
minimum elong	-10613 Dec 07 j 07:49	2°♎32'24	0°00'44
behind sun begin	-10613 Dec 07 j 00:30	2°♎29'58	
behind sun end	-10613 Dec 07 j 15:07	2°♎34'49	
max. Earth dist.	-10613 Dec 07 j 17:33	2°♎35'39	9.84089 AU
morning rise	-10613 Dec 25 j 07:19	4°♎56'24	
retrograde	-10612 Apr 12 j 02:17	13°♎42'18	
opposition	-10612 Jun 18 j 20:22	10°♎09'48	-0°25'11
min. Earth dist.	-10612 Jun 18 j 09:36	10°♎12'03	7.80578 AU
direct	-10612 Aug 23 j 07:32	6°♎42'46	
evening set	-10612 Dec 04 j 01:28	15°♎05'06	
conjunction	-10612 Dec 22 j 00:15	17°♎29'35	-0°38'19
minimum elong	-10612 Dec 22 j 00:13	17°♎29'34	0°38'27
max. Earth dist.	-10612 Dec 22 j 16:57	17°♎35'13	9.78138 AU
morning rise	-10611 Jan 09 j 03:53	19°♎55'38	
retrograde	-10611 Apr 27 j 17:42	28°♎44'12	
opposition	-10611 Jul 03 j 23:38	25°♎11'20	-1°11'24
min. Earth dist.	-10611 Jul 03 j 08:18	25°♎14'34	7.76839 AU
direct	-10611 Sep 07 j 08:31	21°♎43'15	
	-10611 Dec 18 j 13:07	0°♏	
evening set	-10611 Dec 19 j 21:52	0°♏10'48	
conjunction	-10610 Jan 06 j 23:55	2°♏36'22	-1°13'36
minimum elong	-10610 Jan 06 j 23:51	2°♏36'20	1°13'52
max. Earth dist.	-10610 Jan 07 j 22:16	2°♏43'54	9.76549 AU
morning rise	-10610 Jan 25 j 05:47	5°♏03'04	
retrograde	-10610 May 13 j 05:19	13°♏49'41	
min. Earth dist.	-10610 Jul 18 j 07:26	10°♏20'56	7.77507 AU
opposition	-10610 Jul 19 j 02:02	10°♏17'01	-1°52'50
direct	-10610 Sep 22 j 13:45	6°♏48'03	
	-10609 Jan 02 j 16:02	15°♏	
evening set	-10609 Jan 04 j 22:18	15°♏17'48	
conjunction	-10609 Jan 23 j 01:57	17°♏43'08	-1°43'48
minimum elong	-10609 Jan 23 j 01:53	17°♏43'06	1°44'13
max. Earth dist.	-10609 Jan 24 j 04:11	17°♏51'56	9.79316 AU
morning rise	-10609 Feb 10 j 08:06	20°♏09'09	
retrograde	-10609 May 28 j 09:54	28°♏49'29	
min. Earth dist.	-10609 Aug 02 j 03:50	25°♏21'56	7.82419 AU
opposition	-10609 Aug 03 j 00:28	25°♏17'35	-2°26'13
direct	-10609 Oct 07 j 19:54	21°♏48'03	
	-10608 Jan 18 j 18:29	0°♐	
evening set	-10608 Jan 20 j 21:59	0°♐16'44	
conjunction	-10608 Feb 08 j 01:50	2°♐40'43	-2°06'44
minimum elong	-10608 Feb 08 j 01:46	2°♐40'42	2°07'14
max. Earth dist.	-10608 Feb 09 j 06:21	2°♐50'12	9.86209 AU
morning rise	-10608 Feb 26 j 06:40	5°♐04'52	
retrograde	-10608 Jun 11 j 05:22	13°♐35'06	
opposition	-10608 Aug 16 j 16:28	10°♐04'29	-2°49'14
min. Earth dist.	-10608 Aug 15 j 18:34	10°♐09'04	7.91259 AU
direct	-10608 Oct 22 j 00:00	6°♐34'41	
evening set	-10607 Feb 04 j 16:08	14°♐58'56	

Attention, astronomical year style is used: The year -10607 in astronomical counting style is the year 10608 BCE in historical counting style.

conjunction	-10607 Feb 22 j 19:01	17°♐20'38	-2°20'59
minimum elong	-10607 Feb 22 j 18:59	17°♐20'37	2°21'33
max. Earth dist.	-10607 Feb 24 j 00:23	17°♐30'16	9.96822 AU
morning rise	-10607 Mar 12 j 21:20	19°♐42'00	
retrograde	-10607 Jun 25 j 13:24	27°♐59'07	
min. Earth dist.	-10607 Aug 30 j 01:47	24°♐34'44	8.03479 AU
opposition	-10607 Aug 31 j 00:03	24°♐30'06	-3°00'50
direct	-10607 Nov 05 j 23:12	21°♐00'24	
evening set	-10606 Feb 20 j 00:29	29°♐17'11	
	-10606 Feb 25 j 15:13	0°♑	
conjunction	-10606 Mar 10 j 01:30	1°♑35'55	-2°26'09
minimum elong	-10606 Mar 10 j 01:30	1°♑35'54	2°26'45
max. Earth dist.	-10606 Mar 11 j 06:12	1°♑45'10	10.10471 AU
morning rise	-10606 Mar 28 j 00:29	3°♑53'52	
retrograde	-10606 Jul 09 j 08:43	11°♑56'00	
opposition	-10606 Sep 13 j 21:48	8°♑28'53	-3°01'09
min. Earth dist.	-10606 Sep 13 j 00:30	8°♑33'15	8.18289 AU
direct	-10606 Nov 20 j 15:03	4°♑59'35	
evening set	-10605 Mar 06 j 19:56	13°♑06'35	
conjunction	-10605 Mar 24 j 18:34	15°♑21'58	-2°22'42
minimum elong	-10605 Mar 24 j 18:35	15°♑21'59	2°23'17
max. Earth dist.	-10605 Mar 25 j 21:00	15°♑30'21	10.26284 AU
morning rise	-10605 Apr 11 j 13:52	17°♑36'15	
retrograde	-10605 Jul 22 j 14:39	25°♑22'43	
opposition	-10605 Sep 27 j 09:07	21°♑57'38	-2°51'20
min. Earth dist.	-10605 Sep 26 j 14:17	22°♑01'27	8.34777 AU
direct	-10605 Dec 04 j 20:51	18°♑29'02	
evening set	-10604 Mar 20 j 00:51	26°♑24'51	
conjunction	-10604 Apr 06 j 20:43	28°♑36'47	-2°11'39
minimum elong	-10604 Apr 06 j 20:45	28°♑36'48	2°12'12
max. Earth dist.	-10604 Apr 07 j 19:17	28°♑43'48	10.43304 AU
	-10604 Apr 18 j 01:27	0°♒	
morning rise	-10604 Apr 24 j 12:20	0°♒47'22	
retrograde	-10604 Aug 03 j 08:44	8°♒18'33	
opposition	-10604 Oct 09 j 10:07	4°♒55'32	-2°33'03
min. Earth dist.	-10604 Oct 08 j 19:10	4°♒58'31	8.51992 AU
direct	-10604 Dec 17 j 16:03	1°♒27'52	
evening set	-10603 Apr 02 j 15:11	9°♒12'01	
conjunction	-10603 Apr 20 j 07:53	11°♒20'33	-1°54'23
minimum elong	-10603 Apr 20 j 07:56	11°♒20'34	1°54'51
max. Earth dist.	-10603 Apr 21 j 00:51	11°♒25'43	10.60590 AU
morning rise	-10603 May 07 j 19:51	13°♒27'35	
	-10603 May 21 j 01:07	15°♒	
retrograde	-10603 Aug 15 j 14:24	20°♒44'41	
opposition	-10603 Oct 22 j 01:21	17°♒23'39	-2°08'11
min. Earth dist.	-10603 Oct 21 j 14:26	17°♒25'47	8.69049 AU
	-10603 Nov 25 j 00:19	15°℞♒	
direct	-10603 Dec 31 j 01:09	13°♒57'06	
	-10602 Feb 04 j 23:55	15°♒	
evening set	-10602 Apr 15 j 15:19	21°♒29'51	
conjunction	-10602 May 03 j 04:41	23°♒35'08	-1°32'24
minimum elong	-10602 May 03 j 04:44	23°♒35'09	1°32'47
max. Earth dist.	-10602 May 03 j 15:34	23°♒38'24	10.77304 AU
morning rise	-10602 May 20 j 13:03	25°♒38'54	
	-10602 Jun 30 j 21:25	0°♓	
retrograde	-10602 Aug 27 j 09:59	2°♓43'42	
	-10602 Oct 26 j 14:25	30°℞♒	
opposition	-10602 Nov 03 j 07:55	29°♒24'27	-1°38'36
min. Earth dist.	-10602 Nov 03 j 00:45	29°♒25'50	8.85169 AU
direct	-10601 Jan 13 j 01:00	25°♒59'10	
	-10601 Mar 28 j 00:02	0°♓	
evening set	-10601 Apr 28 j 02:20	3°♓21'17	
conjunction	-10601 May 15 j 12:21	5°♓23'38	-1°07'05
minimum elong	-10601 May 15 j 12:24	5°♓23'39	1°07'22
max. Earth dist.	-10601 May 15 j 17:57	5°♓25'17	10.92721 AU
morning rise	-10601 Jun 01 j 17:06	7°♓24'26	
retrograde	-10601 Sep 07 j 23:30	14°♓19'03	
opposition	-10601 Nov 15 j 07:02	11°♓01'21	-1°05'57
min. Earth dist.	-10601 Nov 15 j 03:49	11°♓01'58	8.99686 AU
direct	-10600 Jan 25 j 12:55	7°♓37'22	
evening set	-10600 May 09 j 02:24	14°♓50'06	
conjunction	-10600 May 26 j 08:54	16°♓49'51	-0°39'44
minimum elong	-10600 May 26 j 08:56	16°♓49'52	0°39'55
max. Earth dist.	-10600 May 26 j 09:42	16°♓50'05	11.06235 AU
morning rise	-10600 Jun 12 j 09:56	18°♓48'05	
retrograde	-10600 Sep 18 j 06:04	25°♓34'42	
opposition	-10600 Nov 26 j 00:14	22°♓18'19	-0°31'43
min. Earth dist.	-10600 Nov 26 j 01:59	22°♓17'59	9.12072 AU
direct	-10599 Feb 05 j 16:14	18°♓55'36	
evening set	-10599 May 20 j 17:16	26°♓00'29	
conjunction	-10599 Jun 06 j 19:58	27°♓57'58	-0°11'30
minimum elong	-10599 Jun 06 j 19:59	27°♓57'58	0°11'36
behind sun begin	-10599 Jun 06 j 14:56	27°♓56'32	
behind sun end	-10599 Jun 07 j 01:02	27°♓59'25	
max. Earth dist.	-10599 Jun 06 j 15:01	27°♓56'34	11.17383 AU
morning rise	-10599 Jun 23 j 17:32	29°♓54'03	
	-10599 Jun 24 j 14:40	0°♈	
retrograde	-10599 Sep 29 j 08:54	6°♈34'59	
asc. node	-10599 Nov 06 j 13:49	5°♈26'04	
opposition	-10599 Dec 07 j 13:17	3°♈19'38	0°02'52
min. Earth dist.	-10599 Dec 07 j 19:53	3°♈18'24	9.21929 AU
	-10598 Feb 11 j 03:55	30°℞♓	
direct	-10598 Feb 17 j 12:50	29°♓58'06	
	-10598 Feb 23 j 21:34	0°♈	
evening set	-10598 Jun 01 j 00:33	6°♈56'45	
conjunction	-10598 Jun 17 j 23:26	8°♈52'23	0°16'44
minimum elong	-10598 Jun 17 j 23:25	8°♈52'23	0°16'45
max. Earth dist.	-10598 Jun 17 j 12:49	8°♈49'21	11.25824 AU
morning rise	-10598 Jul 04 j 17:48	10°♈46'45	
retrograde	-10598 Oct 10 j 07:59	17°♈24'20	
opposition	-10598 Dec 18 j 23:25	14°♈09'38	0°36'43
min. Earth dist.	-10598 Dec 19 j 09:47	14°♈07'44	9.28948 AU
direct	-10597 Mar 01 j 04:00	10°♈49'10	
evening set	-10597 Jun 12 j 02:21	17°♈43'20	
conjunction	-10597 Jun 28 j 21:42	19°♈37'31	0°43'57
minimum elong	-10597 Jun 28 j 21:40	19°♈37'30	0°44'05
max. Earth dist.	-10597 Jun 28 j 07:08	19°♈33'22	11.31298 AU
morning rise	-10597 Jul 15 j 12:57	21°♈30'37	
retrograde	-10597 Oct 21 j 09:44	28°♈07'03	
opposition	-10597 Dec 30 j 08:07	24°♈52'42	1°08'55
min. Earth dist.	-10597 Dec 30 j 21:40	24°♈50'14	9.32905 AU
direct	-10596 Mar 11 j 15:24	21°♈33'10	
evening set	-10596 Jun 22 j 00:32	28°♈24'32	
	-10596 Jul 06 j 02:22	0°♉	
conjunction	-10596 Jul 08 j 16:32	0°♉17'44	1°09'27
minimum elong	-10596 Jul 08 j 16:30	0°♉17'43	1°09'43
max. Earth dist.	-10596 Jul 07 j 22:39	0°♉12'38	11.33634 AU
morning rise	-10596 Jul 25 j 04:55	2°♉10'02	
retrograde	-10596 Oct 31 j 10:43	8°♉47'29	
opposition	-10595 Jan 09 j 17:28	5°♉33'09	1°38'36
min. Earth dist.	-10595 Jan 10 j 10:40	5°♉30'02	9.33684 AU
direct	-10595 Mar 22 j 21:04	2°♉14'21	
evening set	-10595 Jul 02 j 20:51	9°♉04'37	
max. Earth dist.	-10595 Jul 18 j 11:51	10°♉51'02	11.32768 AU

Attention, astronomical year style is used: The year -10595 in astronomical counting style is the year 10596 BCE in historical counting style.

conjunction	-10595 Jul 19 j 09:40	10°♉57'16	1°32'31	
minimum elong	-10595 Jul 19 j 09:37	10°♉57'15	1°32'52	
morning rise	-10595 Aug 04 j 19:51	12°♉49'16		
	-10595 Aug 25 j 02:09	15°♉		
retrograde	-10595 Nov 11 j 15:23	19°♉29'55		
opposition	-10594 Jan 21 j 04:44	16°♉15'13	2°04'58	
min. Earth dist.	-10594 Jan 22 j 01:18	16°♉11'30	9.31263 AU	
	-10594 Feb 07 j 22:46	15°℞♉		
direct	-10594 Apr 03 j 04:55	12°♉56'52		
	-10594 May 25 j 09:05	15°♉		
evening set	-10594 Jul 13 j 17:06	19°♉47'44		
max. Earth dist.	-10594 Jul 29 j 02:41	21°♉33'15	11.28728 AU	
conjunction	-10594 Jul 30 j 03:21	21°♉40'21	1°52'27	
minimum elong	-10594 Jul 30 j 03:18	21°♉40'20	1°52'52	
morning rise	-10594 Aug 15 j 11:56	23°♉32'34		
	-10594 Nov 03 j 13:16	0°♊		
retrograde	-10594 Nov 23 j 00:26	0°♊18'24		
	-10594 Dec 12 j 18:16	30°℞♉		
opposition	-10593 Feb 01 j 19:00	27°♉02'58	2°27'13	
min. Earth dist.	-10593 Feb 02 j 17:17	26°♉58'56	9.25698 AU	
direct	-10593 Apr 14 j 12:08	23°♉44'51		
	-10593 Jul 18 j 23:59	0°♊		
evening set	-10593 Jul 24 j 14:54	0°♊37'56		
conjunction	-10593 Aug 09 j 23:28	2°♊31'03	2°08'35	
minimum elong	-10593 Aug 09 j 23:26	2°♊31'03	2°09'04	
max. Earth dist.	-10593 Aug 08 j 21:49	2°♊23'36	11.21606 AU	
morning rise	-10593 Aug 26 j 07:04	4°♊24'02		
retrograde	-10593 Dec 04 j 17:28	11°♊17'02		
opposition	-10592 Feb 13 j 14:02	8°♊00'32	2°44'32	
min. Earth dist.	-10592 Feb 14 j 13:01	7°♊56'20	9.17114 AU	
direct	-10592 Apr 24 j 22:05	4°♊42'24		
evening set	-10592 Aug 03 j 16:04	11°♊39'16		
conjunction	-10592 Aug 19 j 23:41	13°♊33'27	2°20'13	
minimum elong	-10592 Aug 19 j 23:39	13°♊33'27	2°20'46	
max. Earth dist.	-10592 Aug 18 j 21:08	13°♊25'39	11.11586 AU	
morning rise	-10592 Sep 05 j 07:14	15°♊27'46		
retrograde	-10592 Dec 15 j 17:55	22°♊29'47		
opposition	-10591 Feb 24 j 15:12	19°♊11'54	2°56'06	
min. Earth dist.	-10591 Feb 25 j 14:48	19°♊07'34	9.05743 AU	
direct	-10591 May 06 j 09:59	15°♊53'29		
evening set	-10591 Aug 14 j 22:29	22°♊55'41		
max. Earth dist.	-10591 Aug 30 j 02:24	24°♊43'16	10.98950 AU	
conjunction	-10591 Aug 31 j 06:07	24°♊51'32	2°26'43	
minimum elong	-10591 Aug 31 j 06:06	24°♊51'31	2°27'18	
morning rise	-10591 Sep 16 j 14:55	26°♊47'50		
	-10591 Oct 15 j 20:56	0°♋		
retrograde	-10591 Dec 28 j 02:06	4°♋00'38		
opposition	-10590 Mar 08 j 23:38	0°♋41'05	3°01'06	
min. Earth dist.	-10590 Mar 09 j 23:38	0°♋36'38	8.91905 AU	
	-10590 Mar 18 j 06:35	30°℞♊		
direct	-10590 May 18 j 03:26	27°♊22'07		
	-10590 Jul 14 j 13:36	0°♋		
evening set	-10590 Aug 26 j 11:45	4°♋31'13		
conjunction	-10590 Sep 11 j 20:45	6°♋29'22	2°27'26	
minimum elong	-10590 Sep 11 j 20:45	6°♋29'22	2°28'02	
max. Earth dist.	-10590 Sep 10 j 17:50	6°♋21'13	10.84056 AU	
morning rise	-10590 Sep 28 j 07:59	8°♋28'17		
retrograde	-10589 Jan 09 j 22:50	15°♋53'31		
opposition	-10589 Mar 21 j 16:26	12°♋32'06	2°58'43	
min. Earth dist.	-10589 Mar 22 j 15:07	12°♋27'50	8.76029 AU	
direct	-10589 May 30 j 05:31	9°♋12'23		
evening set	-10589 Sep 07 j 09:52	16°♋29'48		
conjunction	-10589 Sep 23 j 21:37	18°♋30'55	2°21'48	
minimum elong	-10589 Sep 23 j 21:38	18°♋30'56	2°22'22	
max. Earth dist.	-10589 Sep 22 j 21:25	18°♋23'27	10.67437 AU	
morning rise	-10589 Oct 10 j 12:22	20°♋33'05		
retrograde	-10588 Jan 23 j 07:18	28°♋12'02		
opposition	-10588 Apr 02 j 18:36	24°♋48'36	2°48'13	
min. Earth dist.	-10588 Apr 03 j 14:08	24°♋44'52	8.58776 AU	
direct	-10588 Jun 10 j 13:52	21°♋27'58		
evening set	-10588 Sep 18 j 18:47	28°♋54'54		
	-10588 Sep 27 j 12:38	0°♌		
conjunction	-10588 Oct 05 j 10:29	0°♌59'32	2°09'24	
minimum elong	-10588 Oct 05 j 10:33	0°♌59'33	2°09'56	
max. Earth dist.	-10588 Oct 04 j 13:48	0°♌53'02	10.49854 AU	
morning rise	-10588 Oct 22 j 06:05	3°♌05'31		
retrograde	-10587 Feb 05 j 04:12	10°♌58'58		
opposition	-10587 Apr 16 j 06:54	7°♌33'23	2°29'10	
min. Earth dist.	-10587 Apr 16 j 22:13	7°♌30'25	8.40985 AU	
direct	-10587 Jun 23 j 07:57	4°♌11'39		
evening set	-10587 Oct 01 j 16:06	11°♌48'59		
conjunction	-10587 Oct 18 j 12:51	13°♌57'35	1°50'08	
minimum elong	-10587 Oct 18 j 12:55	13°♌57'36	1°50'36	
max. Earth dist.	-10587 Oct 17 j 20:18	13°♌52'18	10.32187 AU	
	-10587 Oct 26 j 16:10	15°♌		
morning rise	-10587 Nov 04 j 14:27	16°♌07'48		
retrograde	-10586 Feb 19 j 13:25	24°♌15'46		
opposition	-10586 Apr 30 j 05:16	20°♌48'05	2°01'30	
min. Earth dist.	-10586 Apr 30 j 16:06	20°♌45'57	8.23575 AU	
direct	-10586 Jul 06 j 12:22	17°♌25'05		
evening set	-10586 Oct 15 j 03:17	25°♌13'22		
conjunction	-10586 Nov 01 j 05:55	27°♌26'09	1°24'17	
minimum elong	-10586 Nov 01 j 05:59	27°♌26'11	1°24'39	
max. Earth dist.	-10586 Oct 31 j 18:50	27°♌22'33	10.15374 AU	
morning rise	-10586 Nov 18 j 14:11	29°♌40'47		
	-10586 Nov 21 j 02:39	0°♍		
retrograde	-10585 Mar 06 j 09:39	8°♍02'25		
opposition	-10585 May 14 j 13:00	4°♍32'49	1°25'51	
min. Earth dist.	-10585 May 14 j 18:47	4°♍31'39	8.07529 AU	
direct	-10585 Jul 20 j 03:43	1°♍08'27		
evening set	-10585 Oct 29 j 04:57	9°♍07'45		
conjunction	-10585 Nov 15 j 13:57	11°♍24'40	0°52'44	
minimum elong	-10585 Nov 15 j 14:00	11°♍24'41	0°52'58	
max. Earth dist.	-10585 Nov 15 j 09:49	11°♍23'17	10.00401 AU	
morning rise	-10585 Dec 03 j 04:55	13°♍43'32		
retrograde	-10584 Mar 20 j 14:29	22°♍17'06		
opposition	-10584 May 28 j 05:11	18°♍45'50	0°43'39	
min. Earth dist.	-10584 May 28 j 05:16	18°♍45'49	7.93843 AU	
direct	-10584 Aug 02 j 07:00	15°♍20'06		
evening set	-10584 Nov 11 j 21:02	23°♍29'46		
conjunction	-10584 Nov 29 j 12:20	25°♍50'25	0°17'04	
minimum elong	-10584 Nov 29 j 12:21	25°♍50'25	0°17'10	
max. Earth dist.	-10584 Nov 29 j 16:13	25°♍51'42	9.88231 AU	
morning rise	-10584 Dec 17 j 09:25	28°♍12'58		
	-10584 Dec 31 j 07:26	0°♎		
retrograde	-10583 Apr 05 j 01:50	6°♎55'38		
desc. node	-10583 May 22 j 01:46	5°♎03'31		
opposition	-10583 Jun 12 j 03:44	3°♎23'05	-0°02'39	
min. Earth dist.	-10583 Jun 11 j 21:44	3°♎24'19	7.83428 AU	
	-10583 Aug 08 j 15:15	30°℞♍		
direct	-10583 Aug 16 j 20:16	29°♍56'03		
	-10583 Aug 24 j 23:52	0°♎		
evening set	-10583 Nov 27 j 02:42	8°♎14'47		

Attention, astronomical year style is used: The year -10583 in astronomical counting style is the year 10584 BCE in historical counting style.

conjunction	-10583 Dec 14 j 23:28	10°♎38'21	-0°20'33	
minimum elong	-10583 Dec 14 j 23:27	10°♎38'21	0°20'36	
max. Earth dist.	-10583 Dec 15 j 11:21	10°♎42'21	9.79698 AU	
morning rise	-10582 Jan 02 j 01:24	13°♎03'37		
retrograde	-10582 Apr 20 j 16:21	21°♎51'31		
opposition	-10582 Jun 27 j 05:57	18°♎18'14	-0°49'46	
min. Earth dist.	-10582 Jun 26 j 18:02	18°♎20'43	7.77021 AU	
direct	-10582 Aug 31 j 17:21	14°♎50'01		
evening set	-10582 Dec 12 j 19:05	23°♎15'41		
conjunction	-10582 Dec 30 j 19:58	25°♎41'03	-0°57'15	
minimum elong	-10582 Dec 30 j 19:54	25°♎41'02	0°57'27	
max. Earth dist.	-10582 Dec 31 j 15:08	25°♎47'31	9.75434 AU	
morning rise	-10581 Jan 18 j 00:59	28°♎07'45		
	-10581 Feb 01 j 12:03	0°♏		
retrograde	-10581 May 06 j 06:13	6°♏56'24		
opposition	-10581 Jul 12 j 09:11	3°♏22'57	-1°33'56	
min. Earth dist.	-10581 Jul 11 j 16:12	3°♏26'31	7.75099 AU	
	-10581 Sep 05 j 12:21	30°℞♎		
direct	-10581 Sep 15 j 19:33	29°♎53'46		
	-10581 Sep 26 j 02:24	0°♏		
evening set	-10581 Dec 28 j 18:04	8°♏23'25		
conjunction	-10580 Jan 15 j 21:25	10°♏49'16	-1°30'12	
minimum elong	-10580 Jan 15 j 21:20	10°♏49'15	1°30'32	
max. Earth dist.	-10580 Jan 16 j 22:36	10°♏57'46	9.75768 AU	
morning rise	-10580 Feb 03 j 03:38	13°♏16'00		
	-10580 Feb 16 j 13:26	15°♏		
retrograde	-10580 May 20 j 15:58	22°♏00'41		
opposition	-10580 Jul 26 j 10:08	18°♏27'41	-2°11'34	
min. Earth dist.	-10580 Jul 25 j 13:30	18°♏32'02	7.77797 AU	
	-10580 Sep 23 j 20:52	15°℞♏		
direct	-10580 Sep 30 j 00:52	14°♏57'46		
	-10580 Oct 06 j 05:40	15°♏		
evening set	-10579 Jan 12 j 19:06	23°♏28'03		
conjunction	-10579 Jan 30 j 23:18	25°♏53'06	-1°56'50	
minimum elong	-10579 Jan 30 j 23:13	25°♏53'04	1°57'17	
max. Earth dist.	-10579 Feb 01 j 04:32	26°♏02'52	9.80670 AU	
morning rise	-10579 Feb 18 j 04:56	28°♏18'31		
	-10579 Mar 03 j 09:21	0°♐		
retrograde	-10579 Jun 04 j 17:44	6°♐54'46		
min. Earth dist.	-10579 Aug 09 j 07:13	3°♐27'33	7.84889 AU	
opposition	-10579 Aug 10 j 05:45	3°♐22'48	-2°39'45	
	-10579 Oct 03 j 21:05	30°℞♏		
direct	-10579 Oct 15 j 06:22	29°♏52'29		
	-10579 Oct 26 j 17:09	0°♐		
evening set	-10578 Jan 28 j 16:51	8°♐19'52		
conjunction	-10578 Feb 15 j 20:28	10°♐42'58	-2°15'20	
minimum elong	-10578 Feb 15 j 20:24	10°♐42'57	2°15'52	
max. Earth dist.	-10578 Feb 17 j 03:24	10°♐53'12	9.89756 AU	
morning rise	-10578 Mar 06 j 00:05	13°♐05'58		
retrograde	-10578 Jun 19 j 08:07	21°♐30'14		
opposition	-10578 Aug 24 j 17:53	17°♐59'49	-2°56'49	
min. Earth dist.	-10578 Aug 23 j 19:08	18°♐04'35	7.95836 AU	
direct	-10578 Oct 30 j 08:36	14°♐29'30		
evening set	-10577 Feb 13 j 06:18	22°♐50'38		
conjunction	-10577 Mar 03 j 08:18	25°♐10'59	-2°24'48	
minimum elong	-10577 Mar 03 j 08:16	25°♐10'59	2°25'23	
max. Earth dist.	-10577 Mar 04 j 14:42	25°♐20'53	10.02360 AU	
morning rise	-10577 Mar 21 j 09:00	27°♐30'48		
	-10577 Apr 10 j 14:41	0°♑		
retrograde	-10577 Jul 03 j 09:12	5°♑40'40		
opposition	-10577 Sep 07 j 20:37	2°♑12'11	-3°02'22	
min. Earth dist.	-10577 Sep 06 j 22:39	2°♑16'44	8.09862 AU	
	-10577 Oct 06 j 18:14	30°℞♐		
direct	-10577 Nov 14 j 04:52	28°♐42'16		
	-10577 Dec 22 j 11:42	0°♑		
evening set	-10576 Feb 28 j 08:14	6°♑54'31		
conjunction	-10576 Mar 17 j 08:00	9°♑11'38	-2°25'19	
minimum elong	-10576 Mar 17 j 08:00	9°♑11'38	2°25'55	
max. Earth dist.	-10576 Mar 18 j 12:05	9°♑20'36	10.17621 AU	
morning rise	-10576 Apr 04 j 05:18	11°♑27'49		
retrograde	-10576 Jul 15 j 20:21	19°♑22'06		
opposition	-10576 Sep 20 j 12:55	15°♑55'48	-2°57'08	
min. Earth dist.	-10576 Sep 19 j 16:36	15°♑59'56	8.26045 AU	
direct	-10576 Nov 27 j 15:53	12°♑26'37		
evening set	-10575 Mar 13 j 20:25	20°♑28'12		
conjunction	-10575 Mar 31 j 17:35	22°♑41'52	-2°17'41	
minimum elong	-10575 Mar 31 j 17:37	22°♑41'53	2°18'15	
max. Earth dist.	-10575 Apr 01 j 18:09	22°♑49'34	10.34574 AU	
morning rise	-10575 Apr 18 j 11:13	24°♑54'18		
	-10575 Jun 04 j 10:44	0°♒		
retrograde	-10575 Jul 28 j 20:30	2°♒32'57		
	-10575 Sep 23 j 01:36	30°℞♑		
opposition	-10575 Oct 03 j 18:53	29°♑08'54	-2°42'33	
min. Earth dist.	-10575 Oct 03 j 00:50	29°♑12'31	8.43420 AU	
direct	-10575 Dec 11 j 16:19	25°♑40'48		
	-10574 Feb 24 j 15:54	0°♒		
evening set	-10574 Mar 27 j 17:49	3°♒30'47		
conjunction	-10574 Apr 14 j 12:07	5°♒40'59	-2°03'07	
minimum elong	-10574 Apr 14 j 12:10	5°♒41'00	2°03'38	
max. Earth dist.	-10574 Apr 15 j 08:41	5°♒47'18	10.52246 AU	
morning rise	-10574 May 02 j 01:55	7°♒49'44		
	-10574 Jul 25 j 12:39	15°♒		
retrograde	-10574 Aug 10 j 08:39	15°♒13'38		
	-10574 Aug 26 j 06:00	15°℞♒		
opposition	-10574 Oct 16 j 14:54	11°♒51'48	-2°20'29	
min. Earth dist.	-10574 Oct 16 j 00:14	11°♒54'41	8.61056 AU	
direct	-10574 Dec 25 j 06:12	8°♒24'58		
	-10573 Mar 31 j 23:51	15°♒		
evening set	-10573 Apr 10 j 00:53	16°♒03'16		
conjunction	-10573 Apr 27 j 16:02	18°♒10'06	-1°43'07	
minimum elong	-10573 Apr 27 j 16:06	18°♒10'07	1°43'33	
max. Earth dist.	-10573 Apr 28 j 07:57	18°♒14'55	10.69735 AU	
morning rise	-10573 May 15 j 02:03	20°♒15'24		
retrograde	-10573 Aug 22 j 10:16	27°♒26'02		
opposition	-10573 Oct 29 j 01:42	24°♒06'17	-1°52'49	
min. Earth dist.	-10573 Oct 28 j 15:44	24°♒08'13	8.78107 AU	
direct	-10572 Jan 07 j 09:32	20°♒40'48		
evening set	-10572 Apr 21 j 18:32	28°♒07'59		
	-10572 May 07 j 14:47	0°♓		
conjunction	-10572 May 09 j 06:16	0°♓11'43	-1°19'09	
minimum elong	-10572 May 09 j 06:19	0°♓11'44	1°19'29	
max. Earth dist.	-10572 May 09 j 15:59	0°♓14'36	10.86226 AU	
morning rise	-10572 May 26 j 12:39	2°♓13'52		
retrograde	-10572 Sep 02 j 03:06	9°♓13'09		
opposition	-10572 Nov 09 j 04:36	5°♓55'13	-1°21'20	
min. Earth dist.	-10572 Nov 08 j 23:40	5°♓56'10	8.93812 AU	
direct	-10571 Jan 19 j 02:21	2°♓31'06		
evening set	-10571 May 04 j 00:13	9°♓48'13		
conjunction	-10571 May 21 j 08:16	11°♓49'08	-0°52'33	
minimum elong	-10571 May 21 j 08:18	11°♓49'08	0°52'47	
max. Earth dist.	-10571 May 21 j 11:13	11°♓50'00	11.01010 AU	
morning rise	-10571 Jun 07 j 11:07	13°♓48'30		
retrograde	-10571 Sep 13 j 11:17	20°♓38'38		

Attention, astronomical year style is used: The year -10571 in astronomical counting style is the year 10572 BCE in historical counting style.

opposition	-10571 Nov 21 j 00:50	17°♓22'11	-0°47'38
min. Earth dist.	-10571 Nov 21 j 00:17	17°♓22'17	9.07513 AU
direct	-10570 Jan 31 j 11:52	13°♓59'23	
evening set	-10570 May 15 j 19:33	21°♓07'49	
conjunction	-10570 Jun 01 j 23:58	23°♓06'15	-0°24'34
minimum elong	-10570 Jun 01 j 23:59	23°♓06'16	0°24'43
max. Earth dist.	-10570 Jun 01 j 21:10	23°♓05'27	11.13491 AU
morning rise	-10570 Jun 18 j 23:16	25°♓03'15	
	-10570 Aug 08 j 23:40	0°♈	
retrograde	-10570 Sep 24 j 17:21	1°♈46'35	
	-10570 Nov 11 j 23:37	30°℞♓	
opposition	-10570 Dec 02 j 15:51	28°♓31'16	-0°13'03
min. Earth dist.	-10570 Dec 02 j 19:37	28°♓30'34	9.18668 AU
direct	-10569 Feb 12 j 12:45	25°♓09'41	
asc. node	-10569 Apr 23 j 08:03	28°♓40'07	
	-10569 May 07 j 00:16	0°♈	
evening set	-10569 May 27 j 06:25	2°♈11'03	
conjunction	-10569 Jun 13 j 07:14	4°♈07'29	0°03'51
minimum elong	-10569 Jun 13 j 07:14	4°♈07'29	0°03'50
behind sun begin	-10569 Jun 13 j 00:17	4°♈05'31	
behind sun end	-10569 Jun 13 j 14:10	4°♈09'27	
max. Earth dist.	-10569 Jun 12 j 23:33	4°♈05'18	11.23193 AU
morning rise	-10569 Jun 30 j 03:01	6°♈02'33	
retrograde	-10569 Oct 05 j 18:34	12°♈41'25	
opposition	-10569 Dec 14 j 03:24	9°♈26'54	0°21'16
min. Earth dist.	-10569 Dec 14 j 12:07	9°♈25'18	9.26893 AU
direct	-10568 Feb 24 j 04:50	6°♈06'24	
evening set	-10568 Jun 06 j 11:05	13°♈02'30	
conjunction	-10568 Jun 23 j 08:07	14°♈57'17	0°31'35
minimum elong	-10568 Jun 23 j 08:06	14°♈57'17	0°31'41
max. Earth dist.	-10568 Jun 22 j 18:57	14°♈53'32	11.29837 AU
morning rise	-10568 Jul 10 j 00:41	16°♈50'54	
retrograde	-10568 Oct 15 j 18:42	23°♈27'37	
opposition	-10568 Dec 24 j 13:03	20°♈13'31	0°54'21
min. Earth dist.	-10568 Dec 25 j 02:42	20°♈11'02	9.32001 AU
direct	-10567 Mar 06 j 18:15	16°♈53'51	
evening set	-10567 Jun 17 j 11:12	23°♈46'25	
max. Earth dist.	-10567 Jul 03 j 10:16	25°♈34'47	11.33309 AU
conjunction	-10567 Jul 04 j 04:36	25°♈40'00	0°57'58
minimum elong	-10567 Jul 04 j 04:33	25°♈40'00	0°58'11
morning rise	-10567 Jul 20 j 18:22	27°♈32'38	
	-10567 Aug 12 j 21:00	0°♉	
retrograde	-10567 Oct 26 j 18:36	4°♉09'25	
opposition	-10566 Jan 04 j 22:18	0°♉55'18	1°25'18
min. Earth dist.	-10566 Jan 05 j 15:14	0°♉52'14	9.33901 AU
	-10566 Jan 17 j 19:05	30°℞♈	
direct	-10566 Mar 18 j 03:42	27°♈36'17	
	-10566 May 14 j 02:45	0°♉	
evening set	-10566 Jun 28 j 08:16	4°♉26'57	
conjunction	-10566 Jul 14 j 22:33	6°♉19'49	1°22'15
minimum elong	-10566 Jul 14 j 22:30	6°♉19'48	1°22'34
max. Earth dist.	-10566 Jul 14 j 01:19	6°♉13'45	11.33547 AU
morning rise	-10566 Jul 31 j 09:47	8°♉11'55	
retrograde	-10566 Nov 06 j 22:52	14°♉50'55	
opposition	-10565 Jan 16 j 08:32	11°♉36'24	1°53'18
min. Earth dist.	-10565 Jan 17 j 03:52	11°♉32'54	9.32557 AU
direct	-10565 Mar 29 j 12:22	8°♉17'46	
	-10565 Jul 07 j 22:59	15°♉	
evening set	-10565 Jul 09 j 04:28	15°♉08'15	
conjunction	-10565 Jul 25 j 16:02	17°♉00'52	1°43'42
minimum elong	-10565 Jul 25 j 15:59	17°♉00'51	1°44'06

max. Earth dist.	-10565 Jul 24 j 16:22	16°♉54'05	11.30555 AU
morning rise	-10565 Aug 11 j 01:10	18°♉52'57	
retrograde	-10565 Nov 18 j 05:42	25°♉36'11	
opposition	-10564 Jan 27 j 21:10	22°♉20'56	2°17'33
min. Earth dist.	-10564 Jan 28 j 19:10	22°♉16'56	9.28019 AU
direct	-10564 Apr 08 j 18:05	19°♉02'28	
evening set	-10564 Jul 19 j 01:25	25°♉54'26	
max. Earth dist.	-10564 Aug 03 j 08:03	27°♉39'36	11.24444 AU
conjunction	-10564 Aug 04 j 10:41	27°♉47'18	2°01'40
minimum elong	-10564 Aug 04 j 10:38	27°♉47'17	2°02'08
morning rise	-10564 Aug 20 j 18:38	29°♉39'55	
	-10564 Aug 23 j 17:49	0°♊	
retrograde	-10564 Nov 28 j 17:40	6°♊29'25	
opposition	-10563 Feb 07 j 13:59	3°♊13'06	2°37'15
min. Earth dist.	-10563 Feb 08 j 14:10	3°♊08'42	9.20438 AU
	-10563 Apr 09 j 09:58	30°℞♉	
direct	-10563 Apr 20 j 02:27	29°♉54'33	
	-10563 Apr 30 j 18:01	0°♊	
evening set	-10563 Jul 30 j 00:40	6°♊49'38	
max. Earth dist.	-10563 Aug 14 j 04:38	8°♊35'10	11.15407 AU
conjunction	-10563 Aug 15 j 08:31	8°♊43'19	2°15'28
minimum elong	-10563 Aug 15 j 08:29	8°♊43'18	2°15'59
morning rise	-10563 Aug 31 j 16:08	10°♊37'02	
retrograde	-10563 Dec 10 j 13:07	17°♊34'46	
opposition	-10562 Feb 19 j 12:03	14°♊17'04	2°51'36
min. Earth dist.	-10562 Feb 20 j 12:43	14°♊12'33	9.10042 AU
direct	-10562 May 01 j 14:02	10°♊58'14	
evening set	-10562 Aug 10 j 04:11	17°♊58'01	
max. Earth dist.	-10562 Aug 25 j 08:34	19°♊45'03	11.03716 AU
conjunction	-10562 Aug 26 j 11:48	19°♊53'07	2°24'26
minimum elong	-10562 Aug 26 j 11:47	19°♊53'06	2°25'00
morning rise	-10562 Sep 11 j 19:55	21°♊48'31	
retrograde	-10562 Dec 22 j 17:57	28°♊56'19	
opposition	-10561 Mar 03 j 16:32	25°♊36'59	2°59'46
min. Earth dist.	-10561 Mar 04 j 16:11	25°♊32'37	8.97152 AU
direct	-10561 May 13 j 05:32	22°♊17'42	
evening set	-10561 Aug 21 j 13:53	29°♊23'43	
	-10561 Aug 26 j 16:29	0°♋	
conjunction	-10561 Sep 06 j 22:16	1°♋20'51	2°27'55
minimum elong	-10561 Sep 06 j 22:16	1°♋20'51	2°28'30
max. Earth dist.	-10561 Sep 05 j 19:39	1°♋12'51	10.89750 AU
morning rise	-10561 Sep 23 j 08:07	3°♋18'35	
retrograde	-10560 Jan 04 j 10:26	10°♋38'04	
opposition	-10560 Mar 15 j 05:10	7°♋16'58	3°00'55
min. Earth dist.	-10560 Mar 16 j 03:32	7°♋12'47	8.82199 AU
direct	-10560 May 24 j 02:15	3°♋57'04	
evening set	-10560 Sep 01 j 07:27	11°♋10'42	
conjunction	-10560 Sep 17 j 17:43	13°♋10'28	2°25'17
minimum elong	-10560 Sep 17 j 17:44	13°♋10'29	2°25'53
max. Earth dist.	-10560 Sep 16 j 16:15	13°♋02'41	10.74009 AU
morning rise	-10560 Oct 04 j 06:42	15°♋11'10	
retrograde	-10559 Jan 16 j 11:59	22°♋43'45	
opposition	-10559 Mar 28 j 02:54	19°♋20'45	2°54'16
min. Earth dist.	-10559 Mar 28 j 23:24	19°♋16'51	8.65747 AU
direct	-10559 Jun 05 j 05:43	16°♋00'03	
evening set	-10559 Sep 13 j 10:55	23°♋22'37	
max. Earth dist.	-10559 Sep 29 j 01:53	25°♋18'34	10.57107 AU
conjunction	-10559 Sep 30 j 00:30	25°♋25'36	2°16'05
minimum elong	-10559 Sep 30 j 00:33	25°♋25'37	2°16'38
morning rise	-10559 Oct 16 j 17:52	27°♋29'50	
	-10559 Nov 07 j 01:57	0°♌	

Attention, astronomical year style is used: The year -10558 in astronomical counting style is the year 10559 BCE in historical counting style.

retrograde	-10558 Jan 30 j 01:43	5°♌16'31	
opposition	-10558 Apr 10 j 10:13	1°♌51'31	2°39'13
min. Earth dist.	-10558 Apr 11 j 03:43	1°♌48'09	8.48480 AU
	-10558 May 05 j 23:11	30°℞♋	
direct	-10558 Jun 17 j 20:25	28°♋29'55	
	-10558 Jul 29 j 06:39	0°♌	
evening set	-10558 Sep 26 j 01:56	6°♌02'26	
conjunction	-10558 Oct 12 j 20:13	8°♌09'11	2°00'00
minimum elong	-10558 Oct 12 j 20:16	8°♌09'12	2°00'30
max. Earth dist.	-10558 Oct 12 j 02:32	8°♌03'34	10.39773 AU
morning rise	-10558 Oct 29 j 18:58	10°♌17'25	
	-10558 Dec 10 j 17:04	15°♌	
retrograde	-10557 Feb 13 j 05:00	18°♌18'37	
	-10557 Apr 22 j 08:59	15°℞♌	
opposition	-10557 Apr 24 j 03:37	14°♌51'39	2°15'30
min. Earth dist.	-10557 Apr 24 j 16:24	14°♌49'09	8.31196 AU
direct	-10557 Jun 30 j 20:12	11°♌29'03	
	-10557 Sep 02 j 23:30	15°♌	
evening set	-10557 Oct 09 j 06:07	19°♌12'12	
conjunction	-10557 Oct 26 j 06:00	21°♌23'01	1°37'08
minimum elong	-10557 Oct 26 j 06:04	21°♌23'03	1°37'33
max. Earth dist.	-10557 Oct 25 j 18:14	21°♌19'13	10.22860 AU
morning rise	-10557 Nov 12 j 10:57	23°♌35'35	
	-10556 Jan 11 j 20:13	0°♍	
retrograde	-10556 Feb 27 j 20:57	1°♍50'57	
	-10556 Apr 15 j 22:39	30°℞♌	
opposition	-10556 May 07 j 06:57	28°♌22'09	1°43'24
min. Earth dist.	-10556 May 07 j 13:58	28°♌20'45	8.14814 AU
direct	-10556 Jul 13 j 05:23	24°♌58'27	
	-10556 Sep 28 j 14:18	0°♍	
evening set	-10556 Oct 22 j 00:47	2°♍52'33	
conjunction	-10556 Nov 08 j 06:51	5°♍07'32	1°08'04
minimum elong	-10556 Nov 08 j 06:55	5°♍07'34	1°08'22
max. Earth dist.	-10556 Nov 08 j 01:35	5°♍05'49	10.07324 AU
morning rise	-10556 Nov 25 j 18:30	7°♍24'25	
retrograde	-10555 Mar 13 j 22:34	15°♍52'38	
opposition	-10555 May 21 j 19:18	12°♍22'13	1°03'58
min. Earth dist.	-10555 May 21 j 20:19	12°♍22'01	8.00319 AU
direct	-10555 Jul 27 j 02:31	8°♍57'23	
evening set	-10555 Nov 05 j 10:17	17°♍02'10	
conjunction	-10555 Nov 22 j 22:38	19°♍21'04	0°34'03
minimum elong	-10555 Nov 22 j 22:40	19°♍21'05	0°34'12
max. Earth dist.	-10555 Nov 23 j 00:11	19°♍21'35	9.94138 AU
morning rise	-10555 Dec 10 j 16:48	21°♍41'54	
	-10554 Mar 09 j 19:04	0°♎	
retrograde	-10554 Mar 29 j 07:52	0°♎20'33	
	-10554 Apr 17 j 20:44	30°℞♍	
opposition	-10554 Jun 05 j 15:08	26°♍48'53	0°19'11
min. Earth dist.	-10554 Jun 05 j 10:21	26°♍49'52	7.88665 AU
direct	-10554 Aug 10 j 10:28	23°♍22'54	
desc. node	-10554 Nov 07 j 15:06	29°♍58'31	
	-10554 Nov 07 j 19:50	0°♎	
evening set	-10554 Nov 20 j 09:54	1°♎37'21	
conjunction	-10554 Dec 08 j 04:00	3°♎59'32	-0°03'04
minimum elong	-10554 Dec 08 j 03:59	3°♎59'32	0°03'03
behind sun begin	-10554 Dec 07 j 20:42	3°♎57'06	
behind sun end	-10554 Dec 08 j 11:16	4°♎01'57	
max. Earth dist.	-10554 Dec 08 j 12:42	4°♎02'26	9.84202 AU
morning rise	-10554 Dec 26 j 03:43	6°♎23'32	
retrograde	-10553 Apr 13 j 21:49	15°♎09'12	
opposition	-10553 Jun 20 j 16:03	11°♎36'42	-0°27'59
min. Earth dist.	-10553 Jun 20 j 06:00	11°♎38'47	7.80686 AU
direct	-10553 Aug 25 j 03:41	8°♎09'36	
evening set	-10553 Dec 05 j 21:35	16°♎31'54	
conjunction	-10553 Dec 23 j 20:23	18°♎56'22	-0°40'29
minimum elong	-10553 Dec 23 j 20:20	18°♎56'21	0°40'37
max. Earth dist.	-10553 Dec 24 j 12:17	19°♎01'44	9.78253 AU
morning rise	-10552 Jan 11 j 00:09	21°♎22'24	
	-10552 Apr 14 j 15:29	0°♏	
retrograde	-10552 Apr 28 j 12:33	0°♏10'46	
	-10552 May 12 j 09:29	30°℞♎	
opposition	-10552 Jul 04 j 19:11	26°♎37'56	-1°13'58
min. Earth dist.	-10552 Jul 04 j 04:26	26°♎41'02	7.76972 AU
direct	-10552 Sep 08 j 04:06	23°♎09'48	
	-10552 Dec 08 j 05:40	0°♏	
evening set	-10552 Dec 20 j 17:54	1°♏37'20	
conjunction	-10551 Jan 07 j 20:00	4°♏02'52	-1°15'30
minimum elong	-10551 Jan 07 j 19:55	4°♏02'50	1°15'47
max. Earth dist.	-10551 Jan 08 j 18:03	4°♏10'19	9.76714 AU
morning rise	-10551 Jan 26 j 01:55	6°♏29'33	
	-10551 Apr 27 j 04:58	15°♏	
retrograde	-10551 May 14 j 00:07	15°♏15'55	
	-10551 May 30 j 19:21	15°℞♏	
opposition	-10551 Jul 19 j 21:22	11°♏43'17	-1°55'00
min. Earth dist.	-10551 Jul 19 j 02:54	11°♏47'10	7.77726 AU
direct	-10551 Sep 23 j 09:23	8°♏14'17	
	-10551 Dec 23 j 07:45	15°♏	
evening set	-10550 Jan 05 j 18:24	16°♏43'56	
conjunction	-10550 Jan 23 j 22:08	19°♏09'13	-1°45'20
minimum elong	-10550 Jan 23 j 22:03	19°♏09'11	1°45'44
max. Earth dist.	-10550 Jan 25 j 00:30	19°♏18'04	9.79594 AU
morning rise	-10550 Feb 11 j 04:13	21°♏35'09	
	-10550 May 12 j 21:59	0°♐	
retrograde	-10550 May 29 j 04:55	0°♐15'05	
	-10550 Jun 14 j 12:14	30°℞♏	
opposition	-10550 Aug 03 j 19:28	26°♏43'12	-2°27'49
min. Earth dist.	-10550 Aug 02 j 22:33	26°♏47'36	7.82750 AU
direct	-10550 Oct 08 j 15:49	23°♏13'38	
	-10549 Jan 08 j 09:59	0°♐	
evening set	-10549 Jan 21 j 17:56	1°♐42'07	
conjunction	-10549 Feb 08 j 21:49	4°♐06'00	-2°07'46
minimum elong	-10549 Feb 08 j 21:45	4°♐05'59	2°08'16
max. Earth dist.	-10549 Feb 10 j 02:41	4°♐15'36	9.86565 AU
morning rise	-10549 Feb 27 j 02:27	6°♐30'03	
retrograde	-10549 Jun 13 j 00:10	14°♐59'51	
opposition	-10549 Aug 18 j 11:12	11°♐29'14	-2°50'11
min. Earth dist.	-10549 Aug 17 j 12:51	11°♐33'55	7.91616 AU
direct	-10549 Oct 23 j 19:37	7°♐59'27	
evening set	-10548 Feb 06 j 11:39	16°♐23'30	
conjunction	-10548 Feb 24 j 14:35	18°♐45'06	-2°21'29
minimum elong	-10548 Feb 24 j 14:32	18°♐45'05	2°22'03
max. Earth dist.	-10548 Feb 25 j 20:25	18°♐54'53	9.97156 AU
morning rise	-10548 Mar 13 j 16:40	21°♐06'22	
retrograde	-10548 Jun 26 j 08:00	29°♐23'09	
opposition	-10548 Aug 31 j 18:34	25°♐54'11	-3°01'06
min. Earth dist.	-10548 Aug 30 j 20:18	25°♐58'49	8.03773 AU
direct	-10548 Nov 06 j 18:13	22°♐24'30	
	-10547 Feb 15 j 08:36	0°♑	
evening set	-10547 Feb 20 j 19:49	0°♑41'10	
conjunction	-10547 Mar 10 j 20:52	2°♑59'51	-2°26'07
minimum elong	-10547 Mar 10 j 20:52	2°♑59'50	2°26'42
max. Earth dist.	-10547 Mar 12 j 01:42	3°♑09'08	10.10716 AU
morning rise	-10547 Mar 28 j 19:41	5°♑17'44	

Attention, astronomical year style is used: The year -10547 in astronomical counting style is the year 10548 BCE in historical counting style.

retrograde	-10547 Jul 10 j 03:25	13°♒19'38	
opposition	-10547 Sep 14 j 16:13	9°♒52'35	-3°00'46
min. Earth dist.	-10547 Sep 13 j 19:37	9°♒56'49	8.18474 AU
direct	-10547 Nov 21 j 08:46	6°♒23'18	
evening set	-10546 Mar 07 j 15:14	14°♒30'19	
conjunction	-10546 Mar 25 j 13:47	16°♒45'41	-2°22'08
minimum elong	-10546 Mar 25 j 13:49	16°♒45'42	2°22'43
max. Earth dist.	-10546 Mar 26 j 15:41	16°♒53'53	10.26404 AU
morning rise	-10546 Apr 12 j 09:02	18°♒59'56	
retrograde	-10546 Jul 23 j 10:21	26°♒46'17	
min. Earth dist.	-10546 Sep 27 j 09:54	23°♒24'54	8.34832 AU
opposition	-10546 Sep 28 j 03:42	23°♒21'17	-2°50'21
direct	-10546 Dec 05 j 14:49	19°♒52'42	
evening set	-10545 Mar 21 j 20:03	27°♒48'37	
conjunction	-10545 Apr 08 j 15:46	0°♓00'34	-2°10'37
minimum elong	-10545 Apr 08 j 15:49	0°♓00'35	2°11'09
	-10545 Apr 08 j 13:57	0°♓	
max. Earth dist.	-10545 Apr 09 j 13:08	0°♓07'12	10.43291 AU
morning rise	-10545 Apr 26 j 07:25	2°♓11'10	
retrograde	-10545 Aug 05 j 02:49	9°♓42'21	
opposition	-10545 Oct 11 j 04:48	6°♓19'25	-2°31'32
min. Earth dist.	-10545 Oct 10 j 14:24	6°♓22'17	8.51918 AU
direct	-10545 Dec 19 j 11:37	2°♓51'46	
evening set	-10544 Apr 03 j 10:20	10°♓36'07	
conjunction	-10544 Apr 21 j 02:59	12°♓44'40	-1°52'57
minimum elong	-10544 Apr 21 j 03:02	12°♓44'41	1°53'24
max. Earth dist.	-10544 Apr 21 j 18:48	12°♓49'29	10.60453 AU
morning rise	-10544 May 08 j 15:02	14°♓51'44	
	-10544 May 09 j 18:47	15°♓	
retrograde	-10544 Aug 16 j 08:27	22°♓08'58	
opposition	-10544 Oct 22 j 20:07	18°♓47'59	-2°06'12
min. Earth dist.	-10544 Oct 22 j 09:01	18°♓50'09	8.68847 AU
direct	-10544 Dec 31 j 21:26	15°♓21'29	
evening set	-10543 Apr 16 j 10:33	22°♓54'28	
conjunction	-10543 May 04 j 00:00	24°♓59'49	-1°30'37
minimum elong	-10543 May 04 j 00:04	24°♓59'50	1°30'59
max. Earth dist.	-10543 May 04 j 10:48	25°♓03'03	10.77045 AU
morning rise	-10543 May 21 j 08:20	27°♓03'37	
	-10543 Jun 16 j 21:14	0°♈	
retrograde	-10543 Aug 28 j 06:26	4°♈08'38	
opposition	-10543 Nov 04 j 02:59	0°♈49'25	-1°36'15
min. Earth dist.	-10543 Nov 03 j 19:40	0°♈50'50	8.84840 AU
	-10543 Nov 14 j 22:13	30°♓℞	
direct	-10542 Jan 13 j 19:09	27°♓24'11	
	-10542 Mar 13 j 04:17	0°♈	
evening set	-10542 Apr 28 j 21:49	4°♈46'34	
conjunction	-10542 May 16 j 07:52	6°♈49'00	-1°05'02
minimum elong	-10542 May 16 j 07:55	6°♈49'01	1°05'19
max. Earth dist.	-10542 May 16 j 13:54	6°♈50'47	10.92341 AU
morning rise	-10542 Jun 02 j 12:27	8°♈49'51	
retrograde	-10542 Sep 08 j 19:06	15°♈44'44	
opposition	-10542 Nov 16 j 02:36	12°♈27'04	-1°03'20
min. Earth dist.	-10542 Nov 15 j 23:57	12°♈27'34	8.99249 AU
direct	-10541 Jan 26 j 07:59	9°♈03'06	
evening set	-10541 May 10 j 22:08	16°♈16'09	
conjunction	-10541 May 28 j 04:30	18°♈15'57	-0°37'31
minimum elong	-10541 May 28 j 04:32	18°♈15'58	0°37'42
max. Earth dist.	-10541 May 28 j 04:57	18°♈16'05	11.05752 AU
morning rise	-10541 Jun 14 j 05:30	20°♈14'15	
retrograde	-10541 Sep 20 j 02:19	27°♈01'12	
opposition	-10541 Nov 27 j 20:09	23°♈44'49	-0°28'56
min. Earth dist.	-10541 Nov 27 j 22:37	23°♈44'22	9.11551 AU
direct	-10540 Feb 07 j 12:00	20°♈22'05	
evening set	-10540 May 21 j 13:12	27°♈27'19	
conjunction	-10540 Jun 07 j 15:43	29°♈24'52	-0°09'12
minimum elong	-10540 Jun 07 j 15:44	29°♈24'52	0°09'17
behind sun begin	-10540 Jun 07 j 09:47	29°♈23'10	
behind sun end	-10540 Jun 07 j 21:40	29°♈26'33	
max. Earth dist.	-10540 Jun 07 j 09:54	29°♈23'12	11.16819 AU
	-10540 Jun 12 j 17:37	0°♈	
morning rise	-10540 Jun 24 j 13:20	1°♈21'01	
retrograde	-10540 Sep 30 j 03:41	8°♈02'20	
asc. node	-10540 Oct 07 j 17:16	7°♈59'29	
opposition	-10540 Dec 08 j 09:26	4°♈46'55	0°05'42
min. Earth dist.	-10540 Dec 08 j 15:53	4°♈45'43	9.21329 AU
direct	-10539 Feb 18 j 08:48	1°♈25'21	
evening set	-10539 Jun 01 j 20:41	8°♈24'22	
conjunction	-10539 Jun 18 j 19:29	10°♈20'03	0°19'03
minimum elong	-10539 Jun 18 j 19:29	10°♈20'03	0°19'05
max. Earth dist.	-10539 Jun 18 j 09:09	10°♈17'06	11.25186 AU
morning rise	-10539 Jul 05 j 13:44	12°♈14'29	
retrograde	-10539 Oct 11 j 05:48	18°♈52'29	
opposition	-10539 Dec 19 j 19:58	15°♈37'43	0°39'31
min. Earth dist.	-10539 Dec 20 j 05:43	15°♈35'56	9.28277 AU
direct	-10538 Mar 02 j 01:27	12°♈17'13	
evening set	-10538 Jun 12 j 22:42	19°♈11'42	
conjunction	-10538 Jun 29 j 17:59	21°♈05'57	0°46'12
minimum elong	-10538 Jun 29 j 17:57	21°♈05'57	0°46'21
max. Earth dist.	-10538 Jun 29 j 04:08	21°♈02'00	11.30601 AU
morning rise	-10538 Jul 16 j 09:00	22°♈59'06	
retrograde	-10538 Oct 22 j 06:21	29°♈35'59	
opposition	-10538 Dec 31 j 05:14	26°♈21'32	1°11'35
min. Earth dist.	-10538 Dec 31 j 18:56	26°♈19'03	9.32194 AU
direct	-10537 Mar 13 j 10:34	23°♈01'58	
evening set	-10537 Jun 23 j 21:07	29°♈53'38	
	-10537 Jun 24 j 19:54	0°♉	
conjunction	-10537 Jul 10 j 12:55	1°♉46'53	1°11'33
minimum elong	-10537 Jul 10 j 12:52	1°♉46'52	1°11'49
max. Earth dist.	-10537 Jul 09 j 18:39	1°♉41'40	11.32908 AU
morning rise	-10537 Jul 27 j 01:15	3°♉39'16	
retrograde	-10537 Nov 02 j 08:07	10°♉17'11	
opposition	-10536 Jan 11 j 14:55	7°♉02'45	1°41'02
min. Earth dist.	-10536 Jan 12 j 08:30	6°♉59'33	9.32959 AU
direct	-10536 Mar 23 j 18:53	3°♉43'51	
evening set	-10536 Jul 03 j 17:41	10°♉34'27	
max. Earth dist.	-10536 Jul 19 j 08:18	12°♉20'52	11.32038 AU
conjunction	-10536 Jul 20 j 06:18	12°♉27'09	1°34'23
minimum elong	-10536 Jul 20 j 06:15	12°♉27'09	1°34'44
morning rise	-10536 Aug 05 j 16:28	14°♉19'14	
	-10536 Aug 11 j 19:20	15°♉	
retrograde	-10536 Nov 12 j 12:15	21°♉00'20	
opposition	-10535 Jan 22 j 02:25	17°♉45'31	2°07'04
min. Earth dist.	-10535 Jan 22 j 22:29	17°♉41'53	9.30541 AU
	-10535 Mar 08 j 05:43	15°℞♉	
direct	-10535 Apr 04 j 02:11	14°♉27'06	
	-10535 Apr 30 j 14:09	15°♉	
evening set	-10535 Jul 14 j 14:06	21°♉18'17	
max. Earth dist.	-10535 Jul 30 j 00:42	23°♉04'09	11.28012 AU
conjunction	-10535 Jul 31 j 00:19	23°♉10'57	1°54'00
minimum elong	-10535 Jul 31 j 00:16	23°♉10'56	1°54'26
morning rise	-10535 Aug 16 j 08:45	25°♉03'14	
	-10535 Oct 06 j 14:17	0°♊	

Attention, astronomical year style is used: The year -10535 in astronomical counting style is the year 10536 BCE in historical counting style.

retrograde	-10535 Nov 23 j 23:02	1°♊49'34	
	-10534 Jan 13 j 06:06	30°℞♉	
opposition	-10534 Feb 02 j 17:10	28°♉34'00	2°28'54
min. Earth dist.	-10534 Feb 03 j 14:25	28°♉30'09	9.25000 AU
direct	-10534 Apr 15 j 10:22	25°♉15'51	
	-10534 Jul 05 j 18:42	0°♊	
evening set	-10534 Jul 25 j 12:07	2°♊09'12	
conjunction	-10534 Aug 10 j 20:37	4°♊02'23	2°09'45
minimum elong	-10534 Aug 10 j 20:35	4°♊02'22	2°10'15
max. Earth dist.	-10534 Aug 09 j 19:35	3°♊55'06	11.20933 AU
morning rise	-10534 Aug 27 j 04:08	5°♊55'25	
retrograde	-10534 Dec 05 j 16:20	12°♊48'53	
opposition	-10533 Feb 14 j 12:38	9°♊32'17	2°45'44
min. Earth dist.	-10533 Feb 15 j 11:17	9°♊28'10	9.16479 AU
direct	-10533 Apr 26 j 19:01	6°♊14'08	
evening set	-10533 Aug 05 j 13:41	13°♊11'13	
conjunction	-10533 Aug 21 j 21:09	15°♊05'28	2°20'58
minimum elong	-10533 Aug 21 j 21:07	15°♊05'27	2°21'31
max. Earth dist.	-10533 Aug 20 j 18:22	14°♊57'35	11.11000 AU
morning rise	-10533 Sep 07 j 04:49	16°♊59'52	
retrograde	-10533 Dec 17 j 15:14	24°♊02'19	
opposition	-10532 Feb 26 j 14:01	20°♊44'21	2°56'44
min. Earth dist.	-10532 Feb 27 j 13:46	20°♊39'59	9.05220 AU
direct	-10532 May 07 j 07:54	17°♊25'53	
evening set	-10532 Aug 15 j 20:16	24°♊28'18	
max. Earth dist.	-10532 Aug 31 j 00:55	26°♊16'09	10.98503 AU
conjunction	-10532 Sep 01 j 03:54	26°♊24'12	2°26'58
minimum elong	-10532 Sep 01 j 03:53	26°♊24'12	2°27'34
morning rise	-10532 Sep 17 j 12:49	28°♊20'34	
	-10532 Oct 02 j 02:02	0°♋	
retrograde	-10532 Dec 29 j 01:12	5°♋33'44	
opposition	-10531 Mar 09 j 22:42	2°♋14'07	3°01'07
min. Earth dist.	-10531 Mar 10 j 22:02	2°♋09'47	8.91547 AU
	-10531 Apr 11 j 23:44	30°℞♊	
direct	-10531 May 19 j 03:19	28°♊55'08	
	-10531 Jun 24 j 06:06	0°♋	
evening set	-10531 Aug 27 j 09:37	6°♋04'17	
conjunction	-10531 Sep 12 j 18:47	8°♋02'29	2°27'10
minimum elong	-10531 Sep 12 j 18:48	8°♋02'30	2°27'45
max. Earth dist.	-10531 Sep 11 j 17:25	7°♋54'48	10.83794 AU
morning rise	-10531 Sep 29 j 06:03	10°♋01'28	
retrograde	-10530 Jan 10 j 21:57	17°♋26'56	
opposition	-10530 Mar 22 j 15:36	14°♋05'26	2°58'04
min. Earth dist.	-10530 Mar 23 j 13:00	14°♋01'25	8.75867 AU
direct	-10530 May 31 j 03:45	10°♋45'44	
evening set	-10530 Sep 08 j 07:57	18°♋03'05	
conjunction	-10530 Sep 24 j 19:51	20°♋04'14	2°21'00
minimum elong	-10530 Sep 24 j 19:53	20°♋04'15	2°21'34
max. Earth dist.	-10530 Sep 23 j 20:28	19°♋57'01	10.67363 AU
morning rise	-10530 Oct 11 j 10:45	22°♋06'27	
retrograde	-10529 Jan 24 j 06:40	29°♋45'29	
opposition	-10529 Apr 04 j 17:40	26°♋22'00	2°46'55
min. Earth dist.	-10529 Apr 05 j 12:18	26°♋18'27	8.58785 AU
direct	-10529 Jun 12 j 12:28	23°♋01'24	
	-10529 Sep 16 j 20:39	0°♌	
evening set	-10529 Sep 20 j 17:00	0°♌28'13	
max. Earth dist.	-10529 Oct 06 j 11:53	2°♌26'18	10.49939 AU
conjunction	-10529 Oct 07 j 08:48	2°♌32'52	2°08'06
minimum elong	-10529 Oct 07 j 08:52	2°♌32'53	2°08'37
morning rise	-10529 Oct 24 j 04:42	4°♌38'54	
retrograde	-10528 Feb 07 j 03:51	12°♌32'18	
opposition	-10528 Apr 17 j 05:55	9°♌06'45	2°27'14
min. Earth dist.	-10528 Apr 17 j 21:10	9°♌03'47	8.41132 AU
direct	-10528 Jun 24 j 06:01	5°♌45'03	
evening set	-10528 Oct 02 j 14:16	13°♌22'12	
	-10528 Oct 15 j 10:49	15°♌	
conjunction	-10528 Oct 19 j 11:09	15°♌30'49	1°48'21
minimum elong	-10528 Oct 19 j 11:13	15°♌30'50	1°48'48
max. Earth dist.	-10528 Oct 18 j 18:33	15°♌25'30	10.32406 AU
morning rise	-10528 Nov 05 j 13:06	17°♌41'05	
retrograde	-10527 Feb 20 j 12:29	25°♌48'54	
opposition	-10527 May 01 j 04:10	22°♌21'17	1°59'01
min. Earth dist.	-10527 May 01 j 15:16	22°♌19'05	8.23848 AU
direct	-10527 Jul 07 j 10:30	18°♌58'19	
evening set	-10527 Oct 16 j 01:25	26°♌46'24	
conjunction	-10527 Nov 02 j 04:21	28°♌59'11	1°22'08
minimum elong	-10527 Nov 02 j 04:24	28°♌59'12	1°22'28
max. Earth dist.	-10527 Nov 01 j 17:51	28°♌55'46	10.15710 AU
	-10527 Nov 09 j 23:23	0°♍	
morning rise	-10527 Nov 19 j 12:53	1°♍13'50	
retrograde	-10526 Mar 07 j 07:09	9°♍35'14	
opposition	-10526 May 15 j 11:37	6°♍05'42	1°22'57
min. Earth dist.	-10526 May 15 j 17:26	6°♍04'32	8.07915 AU
direct	-10526 Jul 21 j 03:18	2°♍41'24	
evening set	-10526 Oct 30 j 03:06	10°♍40'26	
conjunction	-10526 Nov 16 j 12:27	12°♍57'21	0°50'19
minimum elong	-10526 Nov 16 j 12:30	12°♍57'22	0°50'32
max. Earth dist.	-10526 Nov 16 j 09:17	12°♍56'18	10.00834 AU
morning rise	-10526 Dec 04 j 03:34	15°♍16'11	
retrograde	-10525 Mar 22 j 11:37	23°♍49'26	
opposition	-10525 May 30 j 03:23	20°♍18'14	0°40'31
min. Earth dist.	-10525 May 30 j 03:04	20°♍18'17	7.94317 AU
direct	-10525 Aug 04 j 05:50	16°♍52'36	
evening set	-10525 Nov 13 j 19:08	25°♍01'56	
conjunction	-10525 Dec 01 j 10:40	27°♍22'33	0°14'32
minimum elong	-10525 Dec 01 j 10:41	27°♍22'33	0°14'37
behind sun begin	-10525 Dec 01 j 07:41	27°♍21'34	
behind sun end	-10525 Dec 01 j 13:41	27°♍23'33	
max. Earth dist.	-10525 Dec 01 j 15:26	27°♍24'08	9.88736 AU
morning rise	-10525 Dec 19 j 07:46	29°♍45'02	
	-10525 Dec 21 j 05:38	0°♎	
retrograde	-10524 Apr 05 j 23:17	8°♎27'18	
desc. node	-10524 Apr 27 j 15:52	8°♎01'54	
opposition	-10524 Jun 13 j 01:29	4°♎54'49	-0°05'49
min. Earth dist.	-10524 Jun 12 j 18:47	4°♎56'13	7.83967 AU
direct	-10524 Aug 17 j 17:36	1°♎27'53	
evening set	-10524 Nov 28 j 00:39	9°♎46'15	
conjunction	-10524 Dec 15 j 21:31	12°♎09'45	-0°23'01
minimum elong	-10524 Dec 15 j 21:30	12°♎09'45	0°23'05
max. Earth dist.	-10524 Dec 16 j 09:49	12°♎13'53	9.80258 AU
morning rise	-10523 Jan 02 j 23:26	14°♎34'56	
retrograde	-10523 Apr 21 j 14:11	23°♎22'21	
opposition	-10523 Jun 28 j 03:15	19°♎49'08	-0°52'44
min. Earth dist.	-10523 Jun 27 j 14:56	19°♎51'43	7.77602 AU
direct	-10523 Sep 01 j 13:27	16°♎20'59	
evening set	-10523 Dec 13 j 16:53	24°♎46'18	
conjunction	-10523 Dec 31 j 17:44	27°♎11'33	-0°59'29
minimum elong	-10523 Dec 31 j 17:41	27°♎11'32	0°59'41
max. Earth dist.	-10522 Jan 01 j 12:41	27°♎17'57	9.76020 AU
morning rise	-10522 Jan 18 j 22:45	29°♎38'10	
	-10522 Jan 21 j 17:05	0°♏	
retrograde	-10522 May 07 j 04:29	8°♏26'15	

Attention, astronomical year style is used: The year -10522 in astronomical counting style is the year 10523 BCE in historical counting style.

opposition	-10522 Jul 13 j 05:58	4°♏52'53	-1°36'31
min. Earth dist.	-10522 Jul 12 j 13:15	4°♏56'24	7.75684 AU
direct	-10522 Sep 16 j 15:54	1°♏23'43	
evening set	-10522 Dec 29 j 15:40	9°♏53'05	
conjunction	-10521 Jan 16 j 18:51	12°♏18'47	-1°32'03
minimum elong	-10521 Jan 16 j 18:46	12°♏18'45	1°32'24
max. Earth dist.	-10521 Jan 17 j 19:14	12°♏27'00	9.76337 AU
morning rise	-10521 Feb 04 j 01:01	14°♏45'24	
	-10521 Feb 05 j 21:25	15°♏	
retrograde	-10521 May 22 j 13:46	23°♏29'30	
min. Earth dist.	-10521 Jul 27 j 10:36	20°♏00'46	7.78346 AU
opposition	-10521 Jul 28 j 06:27	19°♏56'35	-2°13'34
direct	-10521 Oct 01 j 22:04	16°♏26'40	
evening set	-10520 Jan 14 j 16:16	24°♏56'41	
conjunction	-10520 Feb 01 j 20:15	27°♏21'34	-1°58'12
minimum elong	-10520 Feb 01 j 20:10	27°♏21'33	1°58'39
max. Earth dist.	-10520 Feb 03 j 00:15	27°♏30'56	9.81184 AU
morning rise	-10520 Feb 20 j 01:50	29°♏46'52	
	-10520 Feb 21 j 18:03	0°♐	
retrograde	-10520 Jun 05 j 13:44	8°♐22'35	
min. Earth dist.	-10520 Aug 10 j 04:09	4°♐55'14	7.85366 AU
opposition	-10520 Aug 11 j 01:38	4°♐50'42	-2°41'06
direct	-10520 Oct 16 j 03:42	1°♐20'22	
evening set	-10519 Jan 29 j 13:33	9°♐47'31	
conjunction	-10519 Feb 16 j 17:01	12°♐10'30	-2°16'08
minimum elong	-10519 Feb 16 j 16:57	12°♐10'29	2°16'41
max. Earth dist.	-10519 Feb 17 j 22:29	12°♐20'14	9.90176 AU
morning rise	-10519 Mar 06 j 20:38	14°♐33'22	
retrograde	-10519 Jun 20 j 02:32	22°♐57'10	
opposition	-10519 Aug 25 j 13:22	19°♐26'50	-2°57'27
min. Earth dist.	-10519 Aug 24 j 15:20	19°♐31'26	7.96198 AU
direct	-10519 Oct 31 j 05:39	15°♐56'28	
evening set	-10518 Feb 14 j 02:44	24°♐17'26	
conjunction	-10518 Mar 04 j 04:39	26°♐37'43	-2°25'03
minimum elong	-10518 Mar 04 j 04:37	26°♐37'42	2°25'38
max. Earth dist.	-10518 Mar 05 j 09:48	26°♐47'12	10.02645 AU
morning rise	-10518 Mar 22 j 05:18	28°♐57'25	
	-10518 Mar 30 j 12:17	0°♑	
retrograde	-10518 Jul 04 j 03:17	7°♑06'56	
opposition	-10518 Sep 08 j 15:47	3°♑38'28	-3°02'19
min. Earth dist.	-10518 Sep 07 j 17:59	3°♑42'59	8.10067 AU
direct	-10518 Nov 15 j 00:46	0°♑08'30	
evening set	-10517 Mar 01 j 04:18	8°♑20'39	
conjunction	-10517 Mar 19 j 04:05	10°♑37'44	-2°25'00
minimum elong	-10517 Mar 19 j 04:05	10°♑37'44	2°25'36
max. Earth dist.	-10517 Mar 20 j 07:35	10°♑46'31	10.17741 AU
morning rise	-10517 Apr 06 j 01:15	12°♑53'51	
retrograde	-10517 Jul 17 j 16:03	20°♑47'55	
min. Earth dist.	-10517 Sep 21 j 11:33	17°♑25'44	8.26076 AU
opposition	-10517 Sep 22 j 07:58	17°♑21'35	-2°56'25
direct	-10517 Nov 29 j 11:01	13°♑52'21	
evening set	-10516 Mar 14 j 16:08	21°♑53'54	
conjunction	-10516 Apr 01 j 13:24	24°♑07'34	-2°16'51
minimum elong	-10516 Apr 01 j 13:27	24°♑07'35	2°17'25
max. Earth dist.	-10516 Apr 02 j 14:01	24°♑15'17	10.34517 AU
morning rise	-10516 Apr 19 j 06:54	26°♑19'59	
	-10516 May 21 j 07:57	0°♒	
retrograde	-10516 Jul 29 j 15:44	3°♒58'32	
opposition	-10516 Oct 04 j 13:55	0°♒34'27	-2°41'15
min. Earth dist.	-10516 Oct 03 j 20:11	0°♒38'01	8.43269 AU
	-10516 Oct 11 j 18:26	30°℞♑	

direct	-10516 Dec 12 j 11:49	27°♑06'16	
	-10515 Feb 10 j 16:29	0°♒	
evening set	-10515 Mar 28 j 13:34	4°♒56'20	
conjunction	-10515 Apr 15 j 07:53	7°♒06'34	-2°01'51
minimum elong	-10515 Apr 15 j 07:57	7°♒06'35	2°02'21
max. Earth dist.	-10515 Apr 16 j 04:26	7°♒12'53	10.52008 AU
morning rise	-10515 May 02 j 21:34	9°♒15'20	
	-10515 Jun 28 j 13:06	15°♒	
retrograde	-10515 Aug 11 j 04:04	16°♒39'15	
	-10515 Sep 24 j 16:11	15°℞♒	
opposition	-10515 Oct 17 j 10:04	13°♒17'23	-2°18'41
min. Earth dist.	-10515 Oct 16 j 20:25	13°♒20'05	8.60730 AU
direct	-10515 Dec 26 j 01:29	9°♒50'27	
	-10514 Mar 20 j 00:03	15°♒	
evening set	-10514 Apr 10 j 20:41	17°♒28'57	
conjunction	-10514 Apr 28 j 11:46	19°♒35'51	-1°41'28
minimum elong	-10514 Apr 28 j 11:49	19°♒35'52	1°41'53
max. Earth dist.	-10514 Apr 29 j 02:48	19°♒40'23	10.69329 AU
morning rise	-10514 May 15 j 21:47	21°♒41'12	
retrograde	-10514 Aug 23 j 06:09	28°♒51'58	
opposition	-10514 Oct 29 j 21:13	25°♒32'10	-1°50'35
min. Earth dist.	-10514 Oct 29 j 12:01	25°♒33'57	8.77633 AU
direct	-10513 Jan 08 j 04:26	22°♒06'36	
evening set	-10513 Apr 23 j 14:19	29°♒34'04	
	-10513 Apr 27 j 07:10	0°♓	
conjunction	-10513 May 11 j 01:56	1°♓37'52	-1°17'11
minimum elong	-10513 May 11 j 02:00	1°♓37'53	1°17'30
max. Earth dist.	-10513 May 11 j 10:34	1°♓40'25	10.85687 AU
morning rise	-10513 May 28 j 08:25	3°♓40'06	
retrograde	-10513 Sep 03 j 21:30	10°♓39'39	
opposition	-10513 Nov 11 j 00:22	7°♓21'39	-1°18'47
min. Earth dist.	-10513 Nov 10 j 19:16	7°♓22'37	8.93221 AU
direct	-10512 Jan 20 j 23:24	3°♓57'28	
evening set	-10512 May 04 j 20:10	11°♓14'56	
conjunction	-10512 May 22 j 04:14	13°♓15'55	-0°50'21
minimum elong	-10512 May 22 j 04:16	13°♓15'56	0°50'34
max. Earth dist.	-10512 May 22 j 07:07	13°♓16'46	11.00380 AU
morning rise	-10512 Jun 08 j 07:03	15°♓15'22	
retrograde	-10512 Sep 14 j 08:29	22°♓05'53	
opposition	-10512 Nov 21 j 20:54	18°♓49'22	-0°44'51
min. Earth dist.	-10512 Nov 21 j 19:50	18°♓49'34	9.06850 AU
direct	-10511 Feb 01 j 08:16	15°♓26'32	
evening set	-10511 May 16 j 15:49	22°♓35'19	
conjunction	-10511 Jun 02 j 20:16	24°♓33'52	-0°22'14
minimum elong	-10511 Jun 02 j 20:17	24°♓33'52	0°22'21
max. Earth dist.	-10511 Jun 02 j 18:17	24°♓33'18	11.12819 AU
morning rise	-10511 Jun 19 j 19:23	26°♓30'56	
	-10511 Jul 23 j 03:32	0°♈	
retrograde	-10511 Sep 25 j 13:51	3°♈14'39	
opposition	-10511 Dec 03 j 12:33	29°♓59'17	-0°10'09
	-10511 Dec 03 j 08:41	30°℞♓	
min. Earth dist.	-10511 Dec 03 j 16:29	29°♓58'33	9.17990 AU
direct	-10510 Feb 13 j 07:49	26°♓37'41	
asc. node	-10510 Mar 23 j 02:54	27°♓43'18	
	-10510 Apr 22 j 16:26	0°♈	
evening set	-10510 May 28 j 03:01	3°♈39'24	
conjunction	-10510 Jun 14 j 03:41	5°♈35'53	0°06'15
minimum elong	-10510 Jun 14 j 03:40	5°♈35'53	0°06'14
behind sun begin	-10510 Jun 13 j 21:01	5°♈34'00	
behind sun end	-10510 Jun 14 j 10:19	5°♈37'46	
max. Earth dist.	-10510 Jun 13 j 19:55	5°♈33'41	11.22522 AU

Attention, astronomical year style is used: The year -10510 in astronomical counting style is the year 10511 BCE in historical counting style.

morning rise	-10510 Jun 30 j 23:21	7°♈31'02	
retrograde	-10510 Oct 06 j 15:48	14°♈10'20	
opposition	-10510 Dec 15 j 00:38	10°♈55'46	0°24'12
min. Earth dist.	-10510 Dec 15 j 09:48	10°♈54'05	9.26234 AU
direct	-10509 Feb 25 j 02:10	7°♈35'13	
evening set	-10509 Jun 08 j 08:00	14°♈31'41	
conjunction	-10509 Jun 25 j 04:49	16°♈26'32	0°33'57
minimum elong	-10509 Jun 25 j 04:48	16°♈26'31	0°34'04
max. Earth dist.	-10509 Jun 24 j 15:07	16°♈22'37	11.29181 AU
morning rise	-10509 Jul 11 j 21:24	18°♈20'13	
retrograde	-10509 Oct 17 j 15:17	24°♈57'23	
opposition	-10509 Dec 26 j 10:32	21°♈43'14	0°57'11
min. Earth dist.	-10509 Dec 26 j 23:50	21°♈40'49	9.31349 AU
direct	-10508 Mar 07 j 15:22	18°♈23'34	
evening set	-10508 Jun 18 j 08:22	25°♈16'31	
max. Earth dist.	-10508 Jul 04 j 08:00	27°♈05'07	11.32651 AU
conjunction	-10508 Jul 05 j 01:41	27°♈10'10	1°00'14
minimum elong	-10508 Jul 05 j 01:39	27°♈10'10	1°00'27
morning rise	-10508 Jul 21 j 15:18	29°♈02'51	
	-10508 Jul 30 j 06:54	0°♉	
retrograde	-10508 Oct 27 j 17:41	5°♉40'10	
opposition	-10507 Jan 05 j 20:13	2°♉26'01	1°27'57
min. Earth dist.	-10507 Jan 06 j 12:22	2°♉23'05	9.33240 AU
	-10507 Feb 12 j 13:51	30°℞♈	
direct	-10507 Mar 19 j 02:16	29°♈07'01	
	-10507 Apr 21 j 23:55	0°♉	
evening set	-10507 Jun 29 j 05:49	5°♉58'06	
conjunction	-10507 Jul 15 j 20:00	7°♉51'01	1°24'19
minimum elong	-10507 Jul 15 j 19:57	7°♉51'00	1°24'37
max. Earth dist.	-10507 Jul 14 j 23:29	7°♉45'09	11.32881 AU
morning rise	-10507 Aug 01 j 06:59	9°♉43'11	
	-10507 Sep 27 j 04:00	15°♉	
retrograde	-10507 Nov 07 j 21:19	16°♉22'44	
	-10507 Dec 20 j 21:04	15°℞♉	
opposition	-10506 Jan 17 j 07:05	13°♉08'13	1°55'40
min. Earth dist.	-10506 Jan 18 j 02:21	13°♉04'43	9.31897 AU
direct	-10506 Mar 30 j 08:40	9°♉49'38	
	-10506 Jun 24 j 17:40	15°♉	
evening set	-10506 Jul 10 j 02:26	16°♉40'30	
conjunction	-10506 Jul 26 j 13:46	18°♉33'11	1°45'29
minimum elong	-10506 Jul 26 j 13:43	18°♉33'10	1°45'53
max. Earth dist.	-10506 Jul 25 j 13:47	18°♉26'18	11.29903 AU
morning rise	-10506 Aug 11 j 22:53	20°♉25'21	
retrograde	-10506 Nov 19 j 04:08	27°♉09'10	
opposition	-10505 Jan 28 j 20:15	23°♉53'54	2°19'32
min. Earth dist.	-10505 Jan 29 j 18:37	23°♉49'51	9.27385 AU
direct	-10505 Apr 10 j 16:30	20°♉35'27	
evening set	-10505 Jul 20 j 23:41	27°♉27'50	
max. Earth dist.	-10505 Aug 05 j 06:19	29°♉13'06	11.23823 AU
conjunction	-10505 Aug 06 j 08:49	29°♉20'46	2°03'06
minimum elong	-10505 Aug 06 j 08:46	29°♉20'46	2°03'34
	-10505 Aug 12 j 00:26	0°♊	
morning rise	-10505 Aug 22 j 16:48	1°♊13'28	
retrograde	-10505 Nov 30 j 17:02	8°♊03'33	
opposition	-10504 Feb 09 j 13:24	4°♊47'12	2°38'45
min. Earth dist.	-10504 Feb 10 j 13:07	4°♊42'53	9.19837 AU
direct	-10504 Apr 21 j 01:45	1°♊28'42	
evening set	-10504 Jul 30 j 23:12	8°♊24'08	
max. Earth dist.	-10504 Aug 15 j 04:20	10°♊10'04	11.14821 AU
conjunction	-10504 Aug 16 j 07:06	10°♊17'53	2°16'28
minimum elong	-10504 Aug 16 j 07:04	10°♊17'53	2°17'00

morning rise	-10504 Sep 01 j 14:37	12°♊11'41	
retrograde	-10504 Dec 11 j 13:23	19°♊10'00	
opposition	-10503 Feb 20 j 11:53	15°♊52'15	2°52'33
min. Earth dist.	-10503 Feb 21 j 11:30	15°♊47'55	9.09481 AU
direct	-10503 May 02 j 13:29	12°♊33'28	
evening set	-10503 Aug 11 j 03:05	19°♊33'32	
max. Earth dist.	-10503 Aug 26 j 08:03	21°♊20'49	11.03181 AU
conjunction	-10503 Aug 27 j 10:42	21°♊28'43	2°24'56
minimum elong	-10503 Aug 27 j 10:41	21°♊28'43	2°25'31
morning rise	-10503 Sep 12 j 18:49	23°♊24'12	
	-10503 Nov 27 j 21:37	0°♋	
retrograde	-10503 Dec 23 j 19:35	0°♋32'30	
	-10502 Jan 19 j 00:14	30°℞♊	
opposition	-10502 Mar 04 j 16:55	27°♊13'09	3°00'05
min. Earth dist.	-10502 Mar 05 j 16:03	27°♊08'51	8.96653 AU
direct	-10502 May 14 j 04:44	23°♊53'53	
	-10502 Aug 13 j 21:47	0°♋	
evening set	-10502 Aug 22 j 13:03	1°♋00'05	
conjunction	-10502 Sep 07 j 21:24	2°♋57'17	2°27'53
minimum elong	-10502 Sep 07 j 21:24	2°♋57'17	2°28'29
max. Earth dist.	-10502 Sep 06 j 18:36	2°♋49'13	10.89295 AU
morning rise	-10502 Sep 24 j 07:29	4°♋55'08	
retrograde	-10501 Jan 05 j 09:58	12°♋15'02	
opposition	-10501 Mar 17 j 05:50	8°♋53'52	3°00'33
min. Earth dist.	-10501 Mar 18 j 04:21	8°♋49'39	8.81786 AU
direct	-10501 May 26 j 01:02	5°♋33'58	
evening set	-10501 Sep 03 j 06:51	12°♋47'45	
conjunction	-10501 Sep 19 j 17:14	14°♋47'35	2°24'43
minimum elong	-10501 Sep 19 j 17:15	14°♋47'35	2°25'17
max. Earth dist.	-10501 Sep 18 j 16:10	14°♋39'54	10.73647 AU
morning rise	-10501 Oct 06 j 06:27	16°♋48'21	
retrograde	-10500 Jan 18 j 11:44	24°♋21'17	
opposition	-10500 Mar 29 j 03:36	20°♋58'11	2°53'12
min. Earth dist.	-10500 Mar 29 j 23:59	20°♋54'18	8.65434 AU
direct	-10500 Jun 06 j 07:16	17°♋37'28	
evening set	-10500 Sep 14 j 10:24	25°♋00'03	
max. Earth dist.	-10500 Sep 30 j 02:56	26°♋56'29	10.56848 AU
conjunction	-10500 Oct 01 j 00:16	27°♋03'08	2°14'57
minimum elong	-10500 Oct 01 j 00:19	27°♋03'09	2°15'30
morning rise	-10500 Oct 17 j 17:47	29°♋07'26	
	-10500 Oct 24 j 23:53	0°♌	
retrograde	-10499 Jan 31 j 03:02	6°♌54'21	
opposition	-10499 Apr 11 j 10:57	3°♌29'15	2°37'28
min. Earth dist.	-10499 Apr 12 j 03:34	3°♌26'02	8.48278 AU
direct	-10499 Jun 18 j 20:48	0°♌07'37	
evening set	-10499 Sep 27 j 01:32	7°♌40'02	
conjunction	-10499 Oct 13 j 20:06	9°♌46'51	1°58'21
minimum elong	-10499 Oct 13 j 20:10	9°♌46'52	1°58'50
max. Earth dist.	-10499 Oct 13 j 03:25	9°♌41'33	10.39627 AU
morning rise	-10499 Oct 30 j 19:03	11°♌55'10	
	-10499 Nov 25 j 21:06	15°♌	
retrograde	-10498 Feb 14 j 06:23	19°♌56'26	
opposition	-10498 Apr 25 j 04:14	16°♌29'22	2°13'08
min. Earth dist.	-10498 Apr 25 j 15:55	16°♌27'04	8.31108 AU
	-10498 May 14 j 20:15	15°℞♌	
direct	-10498 Jul 01 j 19:39	13°♌06'43	
	-10498 Aug 16 j 22:24	15°♌	
evening set	-10498 Oct 10 j 05:56	20°♌49'44	
conjunction	-10498 Oct 27 j 06:02	23°♌00'36	1°35'02
minimum elong	-10498 Oct 27 j 06:06	23°♌00'37	1°35'25
max. Earth dist.	-10498 Oct 26 j 18:18	22°♌56'49	10.22829 AU

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

morning rise	-10498 Nov 13 j 11:16	25°♌13'12	
	-10498 Dec 25 j 03:59	0°♍	
retrograde	-10497 Feb 28 j 21:09	3°♍28'28	
opposition	-10497 May 09 j 07:14	29°♌59'34	1°40'32
	-10497 May 09 j 05:04	30°℞♌	
min. Earth dist.	-10497 May 09 j 13:48	29°♌58'16	8.14835 AU
direct	-10497 Jul 15 j 05:34	26°♌35'49	
	-10497 Sep 15 j 14:41	0°♍	
evening set	-10497 Oct 24 j 00:38	4°♍29'44	
conjunction	-10497 Nov 10 j 06:51	6°♍44'45	1°05'37
minimum elong	-10497 Nov 10 j 06:54	6°♍44'46	1°05'54
max. Earth dist.	-10497 Nov 10 j 01:03	6°♍42'51	10.07402 AU
morning rise	-10497 Nov 27 j 18:50	9°♍01'39	
retrograde	-10496 Mar 14 j 22:19	17°♍29'38	
opposition	-10496 May 22 j 19:20	13°♍59'09	1°00'45
min. Earth dist.	-10496 May 22 j 20:32	13°♍58'54	8.00443 AU
direct	-10496 Jul 28 j 02:16	10°♍34'14	
evening set	-10496 Nov 06 j 09:57	18°♍38'46	
conjunction	-10496 Nov 23 j 22:28	20°♍57'40	0°31'24
minimum elong	-10496 Nov 23 j 22:30	20°♍57'41	0°31'33
max. Earth dist.	-10496 Nov 23 j 23:35	20°♍58'03	9.94314 AU
morning rise	-10496 Dec 11 j 16:57	23°♍18'31	
	-10495 Feb 10 j 19:20	0°♎	
retrograde	-10495 Mar 30 j 07:29	1°♎56'51	
	-10495 May 17 j 15:10	30°℞♍	
opposition	-10495 Jun 06 j 14:48	28°♍25'07	0°15'50
min. Earth dist.	-10495 Jun 06 j 10:33	28°♍26'00	7.88880 AU
direct	-10495 Aug 11 j 09:59	24°♍59'02	
desc. node	-10495 Oct 12 j 08:54	28°♍26'02	
	-10495 Oct 26 j 15:22	0°♎	
evening set	-10495 Nov 21 j 09:33	3°♎13'15	
conjunction	-10495 Dec 09 j 03:51	5°♎35'25	-0°05'44
minimum elong	-10495 Dec 09 j 03:50	5°♎35'24	0°05'44
behind sun begin	-10495 Dec 08 j 20:50	5°♎33'05	
behind sun end	-10495 Dec 09 j 10:50	5°♎37'44	
max. Earth dist.	-10495 Dec 09 j 12:28	5°♎38'17	9.84459 AU
morning rise	-10495 Dec 27 j 03:47	7°♎59'23	
retrograde	-10494 Apr 14 j 20:58	16°♎44'38	
opposition	-10494 Jun 21 j 15:12	13°♎12'07	-0°31'16
min. Earth dist.	-10494 Jun 21 j 05:32	13°♎14'07	7.80976 AU
direct	-10494 Aug 26 j 03:19	9°♎44'56	
evening set	-10494 Dec 06 j 21:09	18°♎07'01	
conjunction	-10494 Dec 24 j 20:09	20°♎31'26	-0°43'00
minimum elong	-10494 Dec 24 j 20:06	20°♎31'25	0°43'09
max. Earth dist.	-10494 Dec 25 j 12:19	20°♎36'53	9.78574 AU
morning rise	-10493 Jan 11 j 23:57	22°♎57'24	
	-10493 Mar 17 j 03:37	0°♏	
retrograde	-10493 Apr 30 j 11:15	1°♏45'19	
	-10493 Jun 14 j 07:42	30°℞♎	
opposition	-10493 Jul 06 j 17:55	28°♎12'30	-1°16'57
min. Earth dist.	-10493 Jul 06 j 03:02	28°♎15'37	7.77327 AU
direct	-10493 Sep 10 j 03:59	24°♎44'20	
	-10493 Nov 27 j 09:04	0°♏	
evening set	-10493 Dec 22 j 17:14	3°♏11'40	
conjunction	-10492 Jan 09 j 19:28	5°♏37'07	-1°17'41
minimum elong	-10492 Jan 09 j 19:23	5°♏37'05	1°17'59
max. Earth dist.	-10492 Jan 10 j 18:11	5°♏44'47	9.77104 AU
morning rise	-10492 Jan 28 j 01:16	8°♏03'41	
	-10492 Mar 30 j 21:43	15°♏	
retrograde	-10492 May 14 j 22:18	16°♏49'37	
	-10492 Jun 29 j 12:35	15°℞♏	
opposition	-10492 Jul 20 j 19:41	13°♏17'00	-1°57'28
min. Earth dist.	-10492 Jul 20 j 00:39	13°♏21'01	7.78169 AU
direct	-10492 Sep 24 j 08:53	9°♏48'02	
	-10492 Dec 11 j 10:45	15°♏	
evening set	-10491 Jan 06 j 17:34	18°♏17'25	
conjunction	-10491 Jan 24 j 21:22	20°♏42'36	-1°47'03
minimum elong	-10491 Jan 24 j 21:17	20°♏42'34	1°47'28
max. Earth dist.	-10491 Jan 26 j 00:38	20°♏51'44	9.80098 AU
morning rise	-10491 Feb 12 j 03:16	23°♏08'23	
	-10491 Apr 15 j 14:32	0°♐	
retrograde	-10491 May 30 j 02:21	1°♐47'45	
	-10491 Jul 14 j 03:58	30°℞♏	
opposition	-10491 Aug 04 j 17:18	28°♏15'55	-2°29'37
min. Earth dist.	-10491 Aug 03 j 19:49	28°♏20'27	7.83324 AU
direct	-10491 Oct 09 j 14:00	24°♏46'22	
	-10491 Dec 27 j 13:47	0°♐	
evening set	-10490 Jan 22 j 16:48	3°♐14'27	
conjunction	-10490 Feb 09 j 20:40	5°♐38'13	-2°08'55
minimum elong	-10490 Feb 09 j 20:36	5°♐38'12	2°09'25
max. Earth dist.	-10490 Feb 11 j 02:10	5°♐48'01	9.87195 AU
morning rise	-10490 Feb 28 j 01:05	8°♐02'04	
retrograde	-10490 Jun 13 j 21:32	16°♐31'11	
min. Earth dist.	-10490 Aug 18 j 10:17	13°♐05'18	7.92275 AU
opposition	-10490 Aug 19 j 08:34	13°♐00'38	-2°51'13
direct	-10490 Oct 24 j 16:43	9°♐30'51	
evening set	-10489 Feb 07 j 09:58	17°♐54'27	
conjunction	-10489 Feb 25 j 12:44	20°♐15'56	-2°22'01
minimum elong	-10489 Feb 25 j 12:42	20°♐15'55	2°22'35
max. Earth dist.	-10489 Feb 26 j 18:31	20°♐25'41	9.97812 AU
morning rise	-10489 Mar 15 j 14:37	22°♐37'00	
	-10489 May 28 j 07:12	0°♑	
retrograde	-10489 Jun 28 j 05:41	0°♑53'09	
	-10489 Jul 29 j 06:51	30°℞♐	
opposition	-10489 Sep 02 j 15:32	27°♐24'18	-3°01'21
min. Earth dist.	-10489 Sep 01 j 18:03	27°♐28'45	8.04404 AU
direct	-10489 Nov 08 j 14:42	23°♐54'37	
	-10488 Feb 04 j 22:30	0°♑	
evening set	-10488 Feb 22 j 17:34	2°♑10'55	
conjunction	-10488 Mar 11 j 18:25	4°♑29'29	-2°26'02
minimum elong	-10488 Mar 11 j 18:25	4°♑29'29	2°26'37
max. Earth dist.	-10488 Mar 12 j 22:22	4°♑38'29	10.11297 AU
morning rise	-10488 Mar 29 j 17:09	6°♑47'15	
retrograde	-10488 Jul 11 j 00:48	14°♑48'38	
opposition	-10488 Sep 15 j 12:48	11°♑21'43	-3°00'17
min. Earth dist.	-10488 Sep 14 j 17:16	11°♑25'43	8.18995 AU
direct	-10488 Nov 22 j 05:54	7°♑52'27	
evening set	-10487 Mar 08 j 12:34	15°♑59'15	
conjunction	-10487 Mar 26 j 10:58	18°♑14'32	-2°21'29
minimum elong	-10487 Mar 26 j 11:00	18°♑14'33	2°22'03
max. Earth dist.	-10487 Mar 27 j 11:23	18°♑22'16	10.26847 AU
morning rise	-10487 Apr 13 j 06:14	20°♑28'44	
retrograde	-10487 Jul 24 j 05:31	28°♑14'43	
min. Earth dist.	-10487 Sep 28 j 06:55	24°♑53'19	8.35191 AU
opposition	-10487 Sep 29 j 00:03	24°♑49'52	-2°49'12
direct	-10487 Dec 06 j 13:03	21°♑21'20	
evening set	-10486 Mar 22 j 17:10	29°♑17'10	
	-10486 Mar 28 j 13:13	0°♒	
conjunction	-10486 Apr 09 j 12:47	1°♒29'03	-2°09'27
minimum elong	-10486 Apr 09 j 12:50	1°♒29'04	2°09'58
max. Earth dist.	-10486 Apr 10 j 08:54	1°♒35'18	10.43558 AU
morning rise	-10486 Apr 27 j 04:25	3°♒39'37	
retrograde	-10486 Aug 05 j 22:49	11°♒10'39	

Attention, astronomical year style is used: The year -10486 in astronomical counting style is the year 10487 BCE in historical counting style.

min. Earth dist.	-10486 Oct 11 j 10:39	7°♒50'42	8.52090 AU
opposition	-10486 Oct 12 j 01:08	7°♒47'49	-2°29'48
direct	-10486 Dec 20 j 08:45	4°♒20'15	
evening set	-10485 Apr 05 j 07:14	12°♒04'36	
conjunction	-10485 Apr 22 j 23:54	14°♒13'09	-1°51'20
minimum elong	-10485 Apr 22 j 23:58	14°♒13'11	1°51'48
max. Earth dist.	-10485 Apr 23 j 15:28	14°♒17'54	10.60534 AU
	-10485 Apr 29 j 09:42	15°♒	
morning rise	-10485 May 10 j 11:50	16°♒20'13	
retrograde	-10485 Aug 18 j 05:55	23°♒37'26	
opposition	-10485 Oct 24 j 16:31	20°♒16'32	-2°04'00
min. Earth dist.	-10485 Oct 24 j 05:26	20°♒18'42	8.68829 AU
direct	-10484 Jan 02 j 17:10	16°♒50'07	
evening set	-10484 Apr 17 j 07:27	24°♒23'12	
conjunction	-10484 May 04 j 20:57	26°♒28'36	-1°28'38
minimum elong	-10484 May 04 j 21:00	26°♒28'37	1°29'01
max. Earth dist.	-10484 May 05 j 07:59	26°♒31'54	10.76937 AU
morning rise	-10484 May 22 j 05:07	28°♒32'25	
	-10484 Jun 03 j 22:38	0°♓	
retrograde	-10484 Aug 29 j 02:56	5°♓37'32	
opposition	-10484 Nov 04 j 23:38	2°♓18'24	-1°33'40
min. Earth dist.	-10484 Nov 04 j 17:06	2°♓19'40	8.84638 AU
	-10484 Dec 07 j 23:27	30°♓℞	
direct	-10483 Jan 14 j 15:46	28°♒53'12	
	-10483 Feb 21 j 02:40	0°♓	
evening set	-10483 Apr 29 j 18:58	6°♓15'50	
conjunction	-10483 May 17 j 04:54	8°♓18'18	-1°02'48
minimum elong	-10483 May 17 j 04:57	8°♓18'18	1°03'04
max. Earth dist.	-10483 May 17 j 10:20	8°♓19'54	10.92048 AU
morning rise	-10483 Jun 03 j 09:23	10°♓19'11	
retrograde	-10483 Sep 09 j 16:40	17°♓14'17	
opposition	-10483 Nov 16 j 23:34	13°♓56'41	-1°00'29
min. Earth dist.	-10483 Nov 16 j 21:55	13°♓57'00	8.98874 AU
direct	-10482 Jan 27 j 04:28	10°♓32'43	
evening set	-10482 May 11 j 19:27	17°♓46'05	
conjunction	-10482 May 29 j 01:37	19°♓45'57	-0°35'06
minimum elong	-10482 May 29 j 01:39	19°♓45'57	0°35'16
max. Earth dist.	-10482 May 29 j 00:51	19°♓45'44	11.05294 AU
morning rise	-10482 Jun 15 j 02:37	21°♓44'18	
retrograde	-10482 Sep 20 j 22:28	28°♓31'35	
opposition	-10482 Nov 28 j 17:32	25°♓15'11	-0°25'55
min. Earth dist.	-10482 Nov 28 j 20:04	25°♓14'43	9.11020 AU
direct	-10481 Feb 08 j 09:23	21°♓52'26	
evening set	-10481 May 23 j 10:33	28°♓58'01	
	-10481 Jun 01 j 12:04	0°♈	
conjunction	-10481 Jun 09 j 13:01	0°♈55'38	-0°06'42
minimum elong	-10481 Jun 09 j 13:01	0°♈55'38	0°06'45
behind sun begin	-10481 Jun 09 j 06:27	0°♈53'45	
behind sun end	-10481 Jun 09 j 19:35	0°♈57'30	
max. Earth dist.	-10481 Jun 09 j 07:03	0°♈53'56	11.16211 AU
morning rise	-10481 Jun 26 j 10:33	2°♈51'52	
asc. node	-10481 Sep 06 j 04:44	8°♈59'56	
retrograde	-10481 Oct 02 j 02:42	9°♈33'36	
opposition	-10481 Dec 10 j 07:10	6°♈18'08	0°08'47
min. Earth dist.	-10481 Dec 10 j 13:13	6°♈17'01	9.20649 AU
direct	-10480 Feb 20 j 07:56	2°♈56'32	
evening set	-10480 Jun 02 j 18:20	9°♈55'55	
conjunction	-10480 Jun 19 j 17:07	11°♈51'41	0°21'34
minimum elong	-10480 Jun 19 j 17:06	11°♈51'41	0°21'37
max. Earth dist.	-10480 Jun 19 j 07:17	11°♈48'52	11.24436 AU
morning rise	-10480 Jul 06 j 11:08	13°♈46'11	
retrograde	-10480 Oct 12 j 03:57	20°♈24'39	
opposition	-10480 Dec 20 j 18:11	17°♈09'48	0°42'33
min. Earth dist.	-10480 Dec 21 j 04:13	17°♈07'58	9.27466 AU
direct	-10479 Mar 02 j 21:42	13°♈49'15	
evening set	-10479 Jun 13 j 20:45	20°♈44'08	
conjunction	-10479 Jun 30 j 15:49	22°♈38'28	0°48'37
minimum elong	-10479 Jun 30 j 15:47	22°♈38'27	0°48'48
max. Earth dist.	-10479 Jun 30 j 01:35	22°♈34'24	11.29733 AU
morning rise	-10479 Jul 17 j 06:44	24°♈31'42	
	-10479 Sep 15 j 09:10	0°♉	
retrograde	-10479 Oct 23 j 04:35	1°♉09'07	
	-10479 Nov 30 j 23:30	30°℞♈	
opposition	-10478 Jan 01 j 04:06	27°♈54'34	1°14'27
min. Earth dist.	-10478 Jan 01 j 18:27	27°♈51'57	9.31286 AU
direct	-10478 Mar 14 j 09:14	24°♈34'53	
	-10478 Jun 11 j 12:05	0°♉	
evening set	-10478 Jun 24 j 19:25	1°♉27'00	
conjunction	-10478 Jul 11 j 10:58	3°♉20'19	1°13'48
minimum elong	-10478 Jul 11 j 10:55	3°♉20'18	1°14'05
max. Earth dist.	-10478 Jul 10 j 16:10	3°♉14'57	11.31958 AU
morning rise	-10478 Jul 27 j 23:17	5°♉12'47	
retrograde	-10478 Nov 03 j 06:28	11°♉51'19	
opposition	-10477 Jan 12 j 14:13	8°♉36'43	1°43'39
min. Earth dist.	-10477 Jan 13 j 07:33	8°♉33'34	9.31982 AU
direct	-10477 Mar 25 j 17:58	5°♉17'44	
evening set	-10477 Jul 05 j 16:17	12°♉08'46	
max. Earth dist.	-10477 Jul 21 j 07:32	13°♉55'26	11.31030 AU
conjunction	-10477 Jul 22 j 04:51	14°♉01'33	1°36'23
minimum elong	-10477 Jul 22 j 04:48	14°♉01'32	1°36'45
	-10477 Jul 30 j 17:02	15°♉	
morning rise	-10477 Aug 07 j 14:52	15°♉53'44	
retrograde	-10477 Nov 14 j 12:30	22°♉35'29	
opposition	-10476 Jan 24 j 02:04	19°♉20'29	2°09'21
min. Earth dist.	-10476 Jan 24 j 21:17	19°♉17'00	9.29516 AU
direct	-10476 Apr 05 j 02:10	16°♉01'59	
evening set	-10476 Jul 15 j 13:06	22°♉53'36	
conjunction	-10476 Jul 31 j 23:16	24°♉46'23	1°55'40
minimum elong	-10476 Jul 31 j 23:12	24°♉46'22	1°56'07
max. Earth dist.	-10476 Jul 31 j 00:17	24°♉39'45	11.26969 AU
morning rise	-10476 Aug 17 j 07:32	26°♉38'45	
	-10476 Sep 18 j 08:44	0°♊	
retrograde	-10476 Nov 25 j 00:01	3°♊25'45	
opposition	-10475 Feb 03 j 17:29	0°♊10'02	2°30'44
min. Earth dist.	-10475 Feb 04 j 14:31	0°♊06'13	9.23956 AU
	-10475 Feb 06 j 00:47	30°℞♉	
direct	-10475 Apr 16 j 09:26	26°♉51'48	
	-10475 Jun 20 j 05:46	0°♊	
evening set	-10475 Jul 26 j 11:32	3°♊45'35	
conjunction	-10475 Aug 11 j 19:52	5°♊38'52	2°11'01
minimum elong	-10475 Aug 11 j 19:49	5°♊38'51	2°11'31
max. Earth dist.	-10475 Aug 10 j 18:33	5°♊31'30	11.19896 AU
morning rise	-10475 Aug 28 j 03:25	7°♊32'03	
retrograde	-10475 Dec 06 j 15:48	14°♊26'12	
opposition	-10474 Feb 15 j 13:34	11°♊09'27	2°47'01
min. Earth dist.	-10474 Feb 16 j 12:26	11°♊05'16	9.15464 AU
direct	-10474 Apr 27 j 18:32	7°♊51'12	
evening set	-10474 Aug 06 j 13:29	14°♊48'45	
conjunction	-10474 Aug 22 j 20:56	16°♊43'06	2°21'44
minimum elong	-10474 Aug 22 j 20:54	16°♊43'06	2°22'18
max. Earth dist.	-10474 Aug 21 j 18:27	16°♊35'19	11.10016 AU
morning rise	-10474 Sep 08 j 04:43	18°♊37'39	

Attention, astronomical year style is used: The year -10474 in astronomical counting style is the year 10475 BCE in historical counting style.

retrograde	-10474 Dec 18 j 16:46	25°♊40'47	
opposition	-10473 Feb 27 j 15:21	22°♊22'41	2°57'24
min. Earth dist.	-10473 Feb 28 j 14:41	22°♊18'24	9.04279 AU
direct	-10473 May 09 j 09:21	19°♊04'09	
evening set	-10473 Aug 17 j 20:28	26°♊06'59	
max. Earth dist.	-10473 Sep 02 j 02:40	27°♊55'23	10.97613 AU
conjunction	-10473 Sep 03 j 04:15	28°♊03'01	2°27'12
minimum elong	-10473 Sep 03 j 04:15	28°♊03'01	2°27'47
morning rise	-10473 Sep 19 j 13:13	29°♊59'32	
	-10473 Sep 19 j 14:48	0°♋	
retrograde	-10473 Dec 31 j 03:02	7°♋13'22	
opposition	-10472 Mar 11 j 00:25	3°♋53'36	3°01'04
min. Earth dist.	-10472 Mar 11 j 22:28	3°♋49'31	8.90729 AU
direct	-10472 May 20 j 04:01	0°♋34'37	
evening set	-10472 Aug 28 j 10:15	7°♋44'06	
conjunction	-10472 Sep 13 j 19:34	9°♋42'27	2°26'49
minimum elong	-10472 Sep 13 j 19:35	9°♋42'27	2°27'24
max. Earth dist.	-10472 Sep 12 j 19:10	9°♋35'03	10.83060 AU
morning rise	-10472 Sep 30 j 06:56	11°♋41'34	
retrograde	-10471 Jan 12 j 00:51	19°♋07'36	
opposition	-10471 Mar 23 j 17:49	15°♋45'59	2°57'16
min. Earth dist.	-10471 Mar 24 j 14:11	15°♋42'09	8.75232 AU
direct	-10471 Jun 01 j 05:15	12°♋26'17	
evening set	-10471 Sep 09 j 09:00	19°♋43'50	
conjunction	-10471 Sep 25 j 21:00	21°♋45'07	2°20'03
minimum elong	-10471 Sep 25 j 21:02	21°♋45'08	2°20'36
max. Earth dist.	-10471 Sep 24 j 21:46	21°♋37'57	10.66835 AU
morning rise	-10471 Oct 12 j 12:14	23°♋47'29	
	-10471 Dec 14 j 02:45	0°♌	
retrograde	-10470 Jan 25 j 10:00	1°♌26'56	
	-10470 Mar 09 j 15:38	30°℞♋	
opposition	-10470 Apr 05 j 20:14	28°♋03'22	2°45'22
min. Earth dist.	-10470 Apr 06 j 14:39	27°♋59'51	8.58351 AU
direct	-10470 Jun 13 j 13:01	24°♋42'45	
	-10470 Sep 03 j 13:17	0°♌	
evening set	-10470 Sep 21 j 18:21	2°♌09'42	
conjunction	-10470 Oct 08 j 10:22	4°♌14'29	2°06'33
minimum elong	-10470 Oct 08 j 10:25	4°♌14'30	2°07'04
max. Earth dist.	-10470 Oct 07 j 13:42	4°♌07'59	10.49600 AU
morning rise	-10470 Oct 25 j 06:41	6°♌20'39	
retrograde	-10469 Feb 08 j 05:48	14°♌14'21	
opposition	-10469 Apr 19 j 08:35	10°♌48'45	2°24'58
min. Earth dist.	-10469 Apr 19 j 23:58	10°♌45'46	8.40870 AU
direct	-10469 Jun 26 j 08:06	7°♌27'03	
evening set	-10469 Oct 04 j 15:53	15°♌04'20	
	-10469 Oct 04 j 02:00	15°♌	
conjunction	-10469 Oct 21 j 13:08	17°♌13'03	1°46'16
minimum elong	-10469 Oct 21 j 13:12	17°♌13'05	1°46'42
max. Earth dist.	-10469 Oct 20 j 21:31	17°♌08'04	10.32222 AU
morning rise	-10469 Nov 07 j 15:23	19°♌23'26	
retrograde	-10468 Feb 22 j 13:57	27°♌31'28	
opposition	-10468 May 02 j 06:50	24°♌03'50	1°56'06
min. Earth dist.	-10468 May 02 j 17:34	24°♌01'43	8.23738 AU
direct	-10468 Jul 08 j 13:58	20°♌40'56	
evening set	-10468 Oct 17 j 03:17	28°♌29'02	
	-10468 Oct 28 j 21:43	0°♍	
conjunction	-10468 Nov 03 j 06:37	0°♍41'56	1°19'34
minimum elong	-10468 Nov 03 j 06:41	0°♍41'58	1°19'55
max. Earth dist.	-10468 Nov 02 j 21:22	0°♍38'56	10.15671 AU
morning rise	-10468 Nov 20 j 15:23	2°♍56'40	
retrograde	-10467 Mar 08 j 09:53	11°♍18'13	
opposition	-10467 May 16 j 14:16	7°♍48'40	1°19'32
min. Earth dist.	-10467 May 16 j 19:13	7°♍47'41	8.07952 AU
direct	-10467 Jul 22 j 05:20	4°♍24'28	
evening set	-10467 Oct 31 j 05:18	12°♍23'26	
conjunction	-10467 Nov 17 j 15:00	14°♍40'26	0°47'27
minimum elong	-10467 Nov 17 j 15:03	14°♍40'27	0°47'39
max. Earth dist.	-10467 Nov 17 j 12:40	14°♍39'40	10.00941 AU
morning rise	-10467 Dec 05 j 06:20	16°♍59'20	
retrograde	-10466 Mar 23 j 15:43	25°♍32'33	
opposition	-10466 May 31 j 05:51	22°♍01'23	0°36'48
min. Earth dist.	-10466 May 31 j 04:40	22°♍01'37	7.94498 AU
direct	-10466 Aug 05 j 06:51	18°♍35'48	
evening set	-10466 Nov 14 j 21:41	26°♍45'05	
conjunction	-10466 Dec 02 j 13:24	29°♍05'43	0°11'32
minimum elong	-10466 Dec 02 j 13:25	29°♍05'43	0°11'36
behind sun begin	-10466 Dec 02 j 08:15	29°♍04'00	
behind sun end	-10466 Dec 02 j 18:35	29°♍07'25	
max. Earth dist.	-10466 Dec 02 j 18:18	29°♍07'20	9.88982 AU
	-10466 Dec 09 j 07:57	0°♎	
morning rise	-10466 Dec 20 j 10:42	1°♎28'13	
desc. node	-10465 Mar 30 j 09:22	10°♎06'04	
retrograde	-10465 Apr 08 j 03:14	10°♎10'15	
opposition	-10465 Jun 15 j 03:39	6°♎37'51	-0°09'35
min. Earth dist.	-10465 Jun 14 j 20:34	6°♎39'19	7.84284 AU
direct	-10465 Aug 19 j 19:07	3°♎10'57	
evening set	-10465 Nov 30 j 03:18	11°♎29'13	
conjunction	-10465 Dec 18 j 00:12	13°♎52'40	-0°25'57
minimum elong	-10465 Dec 18 j 00:11	13°♎52'39	0°26'02
max. Earth dist.	-10465 Dec 18 j 12:03	13°♎56'39	9.80641 AU
morning rise	-10464 Jan 05 j 02:17	16°♎17'48	
retrograde	-10464 Apr 22 j 17:19	25°♎04'51	
opposition	-10464 Jun 29 j 05:08	21°♎31'42	-0°56'17
min. Earth dist.	-10464 Jun 28 j 17:03	21°♎34'14	7.78051 AU
direct	-10464 Sep 02 j 15:44	18°♎03'36	
evening set	-10464 Dec 14 j 19:25	26°♎28'43	
conjunction	-10463 Jan 01 j 20:15	28°♎53'52	-1°02'09
minimum elong	-10463 Jan 01 j 20:11	28°♎53'51	1°02'23
max. Earth dist.	-10463 Jan 02 j 14:24	29°♎00'00	9.76526 AU
	-10463 Jan 10 j 00:26	0°♏	
morning rise	-10463 Jan 20 j 01:23	1°♏20'23	
retrograde	-10463 May 08 j 06:16	10°♏07'56	
opposition	-10463 Jul 14 j 07:25	6°♏34'40	-1°39'35
min. Earth dist.	-10463 Jul 13 j 15:21	6°♏38'03	7.76243 AU
direct	-10463 Sep 17 j 18:27	3°♏05'31	
evening set	-10463 Dec 30 j 18:06	11°♏34'37	
conjunction	-10462 Jan 17 j 21:14	14°♏00'12	-1°34'15
minimum elong	-10462 Jan 17 j 21:09	14°♏00'10	1°34'37
max. Earth dist.	-10462 Jan 18 j 20:39	14°♏08'05	9.76933 AU
	-10462 Jan 25 j 07:06	15°♏	
morning rise	-10462 Feb 05 j 03:25	16°♏26'40	
retrograde	-10462 May 23 j 13:49	25°♏10'05	
opposition	-10462 Jul 29 j 07:18	21°♏37'17	-2°15'58
min. Earth dist.	-10462 Jul 28 j 12:09	21°♏41'20	7.78975 AU
direct	-10462 Oct 02 j 23:47	18°♏07'22	
evening set	-10461 Jan 15 j 18:19	26°♏37'03	
conjunction	-10461 Feb 02 j 22:13	29°♏01'48	-1°59'49
minimum elong	-10461 Feb 02 j 22:08	29°♏01'46	2°00'17
max. Earth dist.	-10461 Feb 04 j 01:22	29°♏10'52	9.81827 AU
	-10461 Feb 10 j 04:38	0°♐	
morning rise	-10461 Feb 21 j 03:43	1°♐26'55	
retrograde	-10461 Jun 07 j 13:08	10°♐01'55	

Attention, astronomical year style is used: The year -10461 in astronomical counting style is the year 10462 BCE in historical counting style.

min. Earth dist.	-10461 Aug 12 j 04:47	6°♐34'35	7.86021 AU
opposition	-10461 Aug 13 j 01:59	6°♐30'07	-2°42'40
direct	-10461 Oct 18 j 04:42	2°♐59'46	
evening set	-10460 Jan 31 j 14:55	11°♐26'30	
conjunction	-10460 Feb 18 j 18:21	13°♐49'21	-2°17'04
minimum elong	-10460 Feb 18 j 18:18	13°♐49'20	2°17'37
max. Earth dist.	-10460 Feb 19 j 23:21	13°♐58'55	9.90822 AU
morning rise	-10460 Mar 07 j 21:49	16°♐12'03	
retrograde	-10460 Jun 21 j 02:11	24°♐35'09	
opposition	-10460 Aug 26 j 13:07	21°♐04'51	-2°58'10
min. Earth dist.	-10460 Aug 25 j 14:56	21°♐09'29	7.96825 AU
direct	-10460 Nov 01 j 06:12	17°♐34'28	
evening set	-10459 Feb 15 j 03:35	25°♐55'00	
conjunction	-10459 Mar 05 j 05:32	28°♐15'09	-2°25'17
minimum elong	-10459 Mar 05 j 05:30	28°♐15'09	2°25'52
max. Earth dist.	-10459 Mar 06 j 10:36	28°♐24'37	10.03239 AU
	-10459 Mar 18 j 17:20	0°♑	
morning rise	-10459 Mar 23 j 05:58	0°♑34'42	
retrograde	-10459 Jul 05 j 02:49	8°♑43'33	
opposition	-10459 Sep 09 j 14:59	5°♑15'06	-3°02'10
min. Earth dist.	-10459 Sep 08 j 17:07	5°♑19'38	8.10612 AU
direct	-10459 Nov 16 j 00:59	1°♑45'06	
evening set	-10458 Mar 02 j 04:38	9°♑56'52	
conjunction	-10458 Mar 20 j 04:25	12°♑13'50	-2°24'35
minimum elong	-10458 Mar 20 j 04:26	12°♑13'50	2°25'10
max. Earth dist.	-10458 Mar 21 j 08:05	12°♑22'40	10.18232 AU
morning rise	-10458 Apr 07 j 01:21	14°♑29'49	
retrograde	-10458 Jul 18 j 14:46	22°♑23'18	
min. Earth dist.	-10458 Sep 22 j 10:58	19°♑01'04	8.26496 AU
opposition	-10458 Sep 23 j 06:56	18°♑56'59	-2°55'30
direct	-10458 Nov 30 j 10:56	15°♑27'42	
evening set	-10457 Mar 16 j 15:51	23°♑28'54	
conjunction	-10457 Apr 03 j 13:02	25°♑42'29	-2°15'50
minimum elong	-10457 Apr 03 j 13:05	25°♑42'30	2°16'23
max. Earth dist.	-10457 Apr 04 j 13:29	25°♑50'09	10.34864 AU
morning rise	-10457 Apr 21 j 06:20	27°♑54'48	
	-10457 May 08 j 19:42	0°♒	
retrograde	-10457 Jul 31 j 14:48	5°♒32'55	
opposition	-10457 Oct 06 j 12:40	2°♒08'50	-2°39'40
min. Earth dist.	-10457 Oct 05 j 19:57	2°♒12'11	8.43537 AU
	-10457 Nov 04 j 11:25	30°℞♑	
direct	-10457 Dec 14 j 10:16	28°♑40'34	
	-10456 Jan 23 j 06:45	0°♒	
evening set	-10456 Mar 29 j 12:52	6°♒30'24	
conjunction	-10456 Apr 16 j 07:04	8°♒40'34	-2°00'19
minimum elong	-10456 Apr 16 j 07:07	8°♒40'35	2°00'49
max. Earth dist.	-10456 Apr 17 j 02:34	8°♒46'34	10.52192 AU
morning rise	-10456 May 03 j 20:43	10°♒49'17	
	-10456 Jun 10 j 22:13	15°♒	
retrograde	-10456 Aug 12 j 02:23	18°♒12'52	
	-10456 Oct 16 j 10:56	15°℞♒	
opposition	-10456 Oct 18 j 08:34	14°♒51'00	-2°16'31
min. Earth dist.	-10456 Oct 17 j 19:50	14°♒53'31	8.60830 AU
direct	-10456 Dec 27 j 00:20	11°♒23'59	
	-10455 Mar 05 j 16:06	15°♒	
evening set	-10455 Apr 11 j 19:43	19°♒02'23	
conjunction	-10455 Apr 29 j 10:38	21°♒09'15	-1°39'31
minimum elong	-10455 Apr 29 j 10:42	21°♒09'16	1°39'55
max. Earth dist.	-10455 Apr 30 j 00:13	21°♒13'21	10.69338 AU
morning rise	-10455 May 16 j 20:41	23°♒14'35	
	-10455 Aug 02 j 09:01	0°♓	

retrograde	-10455 Aug 24 j 02:55	0°♓25'12	
	-10455 Sep 15 j 02:26	30°℞♒	
opposition	-10455 Oct 30 j 19:41	27°♒05'23	-1°47'59
min. Earth dist.	-10455 Oct 30 j 10:33	27°♒07'09	8.77549 AU
direct	-10454 Jan 09 j 04:50	23°♒39'45	
	-10454 Apr 14 j 18:15	0°♓	
evening set	-10454 Apr 24 j 13:07	1°♓07'14	
conjunction	-10454 May 12 j 00:41	3°♓11'01	-1°14'54
minimum elong	-10454 May 12 j 00:44	3°♓11'02	1°15'13
max. Earth dist.	-10454 May 12 j 08:52	3°♓13'27	10.85519 AU
morning rise	-10454 May 29 j 07:04	5°♓13'15	
retrograde	-10454 Sep 04 j 20:59	12°♓12'52	
opposition	-10454 Nov 11 j 22:57	8°♓54'49	-1°15'51
min. Earth dist.	-10454 Nov 11 j 17:37	8°♓55'50	8.92962 AU
direct	-10453 Jan 21 j 22:25	5°♓30'37	
evening set	-10453 May 06 j 18:53	12°♓48'11	
conjunction	-10453 May 24 j 02:58	14°♓49'12	-0°47'51
minimum elong	-10453 May 24 j 03:00	14°♓49'13	0°48'04
max. Earth dist.	-10453 May 24 j 06:16	14°♓50'10	11.00049 AU
morning rise	-10453 Jun 10 j 05:36	16°♓48'41	
retrograde	-10453 Sep 16 j 07:18	23°♓39'21	
opposition	-10453 Nov 23 j 19:42	20°♓22'49	-0°41'42
min. Earth dist.	-10453 Nov 23 j 19:03	20°♓22'57	9.06445 AU
direct	-10452 Feb 03 j 06:06	16°♓59'58	
evening set	-10452 May 17 j 14:44	24°♓09'00	
conjunction	-10452 Jun 03 j 19:02	26°♓07'35	-0°19'35
minimum elong	-10452 Jun 03 j 19:03	26°♓07'35	0°19'42
max. Earth dist.	-10452 Jun 03 j 16:52	26°♓06'57	11.12357 AU
morning rise	-10452 Jun 20 j 18:01	28°♓04'42	
	-10452 Jul 08 j 06:48	0°♈	
retrograde	-10452 Sep 26 j 12:52	4°♈48'42	
opposition	-10452 Dec 04 j 11:41	1°♈33'20	-0°06'53
min. Earth dist.	-10452 Dec 04 j 16:25	1°♈32'27	9.17486 AU
	-10452 Dec 26 j 06:54	30°℞♓	
direct	-10451 Feb 14 j 07:08	28°♓11'42	
asc. node	-10451 Feb 16 j 14:26	28°♓11'57	
	-10451 Apr 04 j 06:32	0°♈	
evening set	-10451 May 29 j 02:11	5°♈13'45	
conjunction	-10451 Jun 15 j 02:33	7°♈10'15	0°08'55
minimum elong	-10451 Jun 15 j 02:32	7°♈10'15	0°08'55
behind sun begin	-10451 Jun 14 j 20:30	7°♈08'32	
behind sun end	-10451 Jun 15 j 08:34	7°♈11'58	
max. Earth dist.	-10451 Jun 14 j 17:59	7°♈07'49	11.21980 AU
morning rise	-10451 Jul 01 j 22:10	9°♈05'27	
retrograde	-10451 Oct 07 j 13:59	15°♈45'08	
opposition	-10451 Dec 16 j 00:08	12°♈30'31	0°27'27
min. Earth dist.	-10451 Dec 16 j 09:16	12°♈28'51	9.25663 AU
direct	-10450 Feb 26 j 01:09	9°♈09'59	
evening set	-10450 Jun 09 j 07:15	16°♈06'46	
conjunction	-10450 Jun 26 j 03:54	18°♈01'39	0°36'35
minimum elong	-10450 Jun 26 j 03:53	18°♈01'39	0°36'42
max. Earth dist.	-10450 Jun 25 j 14:25	17°♈57'48	11.28572 AU
morning rise	-10450 Jul 12 j 20:20	19°♈55'24	
retrograde	-10450 Oct 18 j 15:53	26°♈33'04	
opposition	-10450 Dec 27 j 10:26	23°♈18'51	1°00'19
min. Earth dist.	-10450 Dec 27 j 23:04	23°♈16'33	9.30700 AU
direct	-10449 Mar 09 j 16:06	19°♈59'12	
evening set	-10449 Jun 20 j 07:48	26°♈52'31	
max. Earth dist.	-10449 Jul 06 j 08:05	28°♈41'23	11.31952 AU
conjunction	-10449 Jul 07 j 01:03	28°♈46'14	1°02'43
minimum elong	-10449 Jul 07 j 01:00	28°♈46'14	1°02'57

Attention, astronomical year style is used: The year -10449 in astronomical counting style is the year 10450 BCE in historical counting style.

	-10449 Jul 17 j 19:53	0°♉		
morning rise	-10449 Jul 23 j 14:25	0°♉38'59		
retrograde	-10449 Oct 29 j 18:28	7°♉16'51		
opposition	-10448 Jan 07 j 20:36	4°♉02'40	1°30'51	
min. Earth dist.	-10448 Jan 08 j 12:51	3°♉59'43	9.32495 AU	
direct	-10448 Mar 20 j 01:01	0°♉43'42		
evening set	-10448 Jun 30 j 05:43	7°♉35'13		
conjunction	-10448 Jul 16 j 19:39	9°♉28'13	1°26'34	
minimum elong	-10448 Jul 16 j 19:36	9°♉28'12	1°26'53	
max. Earth dist.	-10448 Jul 15 j 22:43	9°♉22'13	11.32083 AU	
morning rise	-10448 Aug 02 j 06:31	11°♉20'28		
	-10448 Sep 07 j 00:14	15°♉		
retrograde	-10448 Nov 08 j 21:58	18°♉00'40		
	-10447 Jan 15 j 03:29	15°℞♉		
opposition	-10447 Jan 18 j 08:04	14°♉46'08	1°58'15	
min. Earth dist.	-10447 Jan 19 j 03:54	14°♉42'32	9.31061 AU	
direct	-10447 Mar 31 j 08:54	11°♉27'33		
	-10447 Jun 09 j 06:47	15°♉		
evening set	-10447 Jul 11 j 02:44	18°♉18'58		
conjunction	-10447 Jul 27 j 13:49	20°♉11'43	1°47'25	
minimum elong	-10447 Jul 27 j 13:46	20°♉11'42	1°47'50	
max. Earth dist.	-10447 Jul 26 j 13:27	20°♉04'43	11.29022 AU	
morning rise	-10447 Aug 12 j 22:55	22°♉03'59		
retrograde	-10447 Nov 20 j 05:37	28°♉48'34		
opposition	-10446 Jan 29 j 21:54	25°♉33'15	2°21'41	
min. Earth dist.	-10446 Jan 30 j 20:05	25°♉29'14	9.26472 AU	
direct	-10446 Apr 11 j 17:37	22°♉14'50		
evening set	-10446 Jul 22 j 00:19	29°♉07'44		
	-10446 Jul 29 j 15:15	0°♊		
max. Earth dist.	-10446 Aug 06 j 07:47	0°♊53'21	11.22872 AU	
conjunction	-10446 Aug 07 j 09:26	1°♊00'47	2°04'38	
minimum elong	-10446 Aug 07 j 09:23	1°♊00'46	2°05'07	
morning rise	-10446 Aug 23 j 17:19	2°♊53'37		
retrograde	-10446 Dec 01 j 19:16	9°♊44'32		
opposition	-10445 Feb 10 j 15:38	6°♊28'06	2°40'23	
min. Earth dist.	-10445 Feb 11 j 14:28	6°♊23'57	9.18858 AU	
direct	-10445 Apr 23 j 03:10	3°♊09'37		
evening set	-10445 Aug 02 j 00:26	10°♊05'36		
max. Earth dist.	-10445 Aug 17 j 06:07	11°♊51'49	11.13813 AU	
conjunction	-10445 Aug 18 j 08:20	11°♊59'30	2°17'31	
minimum elong	-10445 Aug 18 j 08:18	11°♊59'29	2°18'04	
morning rise	-10445 Sep 03 j 15:48	13°♊53'26		
retrograde	-10445 Dec 13 j 17:51	20°♊52'34		
opposition	-10444 Feb 22 j 14:45	17°♊34'46	2°53'33	
min. Earth dist.	-10444 Feb 23 j 14:01	17°♊30'30	9.08458 AU	
direct	-10444 May 03 j 15:13	14°♊15'59		
evening set	-10444 Aug 12 j 04:55	21°♊16'35		
max. Earth dist.	-10444 Aug 27 j 09:26	23°♊03'54	11.02152 AU	
conjunction	-10444 Aug 28 j 12:28	23°♊11'55	2°25'27	
minimum elong	-10444 Aug 28 j 12:27	23°♊11'55	2°26'02	
morning rise	-10444 Sep 13 j 20:45	25°♊07'35		
	-10444 Oct 31 j 20:26	0°♋		
retrograde	-10444 Dec 24 j 22:13	2°♋16'43		
	-10443 Feb 19 j 11:33	30°℞♊		
opposition	-10443 Mar 05 j 20:35	28°♊57'16	3°00'23	
min. Earth dist.	-10443 Mar 06 j 19:59	28°♊52'55	8.95625 AU	
direct	-10443 May 15 j 06:08	25°♊37'58		
	-10443 Jul 30 j 01:52	0°♋		
evening set	-10443 Aug 23 j 15:22	2°♋44'43		
conjunction	-10443 Sep 08 j 23:47	4°♋42'04	2°27'47	
minimum elong	-10443 Sep 08 j 23:47	4°♋42'04	2°28'23	

max. Earth dist.	-10443 Sep 07 j 21:16	4°♋34'05	10.88283 AU	
morning rise	-10443 Sep 25 j 10:07	6°♋40'05		
retrograde	-10442 Jan 06 j 13:37	14°♋00'50		
opposition	-10442 Mar 18 j 10:05	10°♋39'32	3°00'04	
min. Earth dist.	-10442 Mar 19 j 08:27	10°♋35'21	8.80794 AU	
direct	-10442 May 27 j 05:34	7°♋19'34		
evening set	-10442 Sep 04 j 09:46	14°♋33'49		
conjunction	-10442 Sep 20 j 20:27	16°♋33'51	2°23'58	
minimum elong	-10442 Sep 20 j 20:28	16°♋33'52	2°24'32	
max. Earth dist.	-10442 Sep 19 j 20:33	16°♋26'32	10.72686 AU	
morning rise	-10442 Oct 07 j 09:53	18°♋34'50		
retrograde	-10441 Jan 19 j 17:28	26°♋08'30		
opposition	-10441 Mar 31 j 08:11	22°♋45'14	2°51'55	
min. Earth dist.	-10441 Apr 01 j 03:40	22°♋41'32	8.64513 AU	
direct	-10441 Jun 08 j 10:57	19°♋24'28		
evening set	-10441 Sep 16 j 13:54	26°♋47'28		
max. Earth dist.	-10441 Oct 02 j 07:45	28°♋44'23	10.55974 AU	
conjunction	-10441 Oct 03 j 04:07	28°♋50'44	2°13'33	
minimum elong	-10441 Oct 03 j 04:10	28°♋50'45	2°14'05	
	-10441 Oct 12 j 10:30	0°♌		
morning rise	-10441 Oct 19 j 21:53	0°♌55'15		
retrograde	-10440 Feb 02 j 08:30	8°♌42'47		
opposition	-10440 Apr 12 j 15:59	5°♌17'31	2°35'22	
min. Earth dist.	-10440 Apr 13 j 07:30	5°♌14'32	8.47463 AU	
direct	-10440 Jun 20 j 00:35	1°♌55'50		
evening set	-10440 Sep 28 j 05:34	9°♌28'35		
max. Earth dist.	-10440 Oct 14 j 07:54	11°♌30'20	10.38885 AU	
conjunction	-10440 Oct 15 j 00:25	11°♌35'35	1°56'19	
minimum elong	-10440 Oct 15 j 00:29	11°♌35'36	1°56'47	
morning rise	-10440 Oct 31 j 23:47	13°♌44'06		
	-10440 Nov 11 j 07:48	15°♌		
retrograde	-10439 Feb 15 j 12:10	21°♌45'53		
opposition	-10439 Apr 26 j 09:40	18°♌18'39	2°10'16	
min. Earth dist.	-10439 Apr 26 j 20:49	18°♌16'28	8.30443 AU	
	-10439 Jun 24 j 08:15	15°℞♌		
direct	-10439 Jul 03 j 00:18	14°♌55'54		
	-10439 Jul 11 j 15:01	15°♌		
evening set	-10439 Oct 11 j 10:32	22°♌39'10		
conjunction	-10439 Oct 28 j 10:56	24°♌50'12	1°32'27	
minimum elong	-10439 Oct 28 j 11:00	24°♌50'14	1°32'50	
max. Earth dist.	-10439 Oct 27 j 23:05	24°♌46'22	10.22262 AU	
morning rise	-10439 Nov 14 j 16:44	27°♌03'01		
	-10439 Dec 09 j 02:33	0°♍		
retrograde	-10438 Mar 02 j 03:20	5°♍18'35		
opposition	-10438 May 10 j 12:50	1°♍49'33	1°37'01	
min. Earth dist.	-10438 May 10 j 19:28	1°♍48'14	8.14358 AU	
	-10438 Jun 03 j 16:28	30°℞♌		
direct	-10438 Jul 16 j 10:09	28°♌25'40		
	-10438 Aug 26 j 21:36	0°♍		
evening set	-10438 Oct 25 j 05:40	6°♍19'46		
conjunction	-10438 Nov 11 j 12:16	8°♍34'55	1°02'36	
minimum elong	-10438 Nov 11 j 12:19	8°♍34'56	1°02'53	
max. Earth dist.	-10438 Nov 11 j 06:43	8°♍33'05	10.07030 AU	
morning rise	-10438 Nov 29 j 00:45	10°♍51'59		
retrograde	-10437 Mar 17 j 04:31	19°♍20'04		
opposition	-10437 May 25 j 00:55	15°♍49'28	0°56'47	
min. Earth dist.	-10437 May 25 j 02:14	15°♍49'12	8.00170 AU	
direct	-10437 Jul 30 j 07:30	12°♍24'26		
evening set	-10437 Nov 08 j 15:14	20°♍29'03		
conjunction	-10437 Nov 26 j 04:09	22°♍48'03	0°28'08	
minimum elong	-10437 Nov 26 j 04:11	22°♍48'03	0°28'16	

Attention, astronomical year style is used: The year -10437 in astronomical counting style is the year 10438 BCE in historical counting style.

max. Earth dist.	-10437 Nov 26 j 06:04	22°♍48'41	9.94147 AU
morning rise	-10437 Dec 13 j 22:57	25°♍08'59	
	-10436 Jan 23 j 19:23	0°♎	
retrograde	-10436 Mar 31 j 12:39	3°♎47'14	
opposition	-10436 Jun 07 j 20:12	0°♎15'25	0°11'40
min. Earth dist.	-10436 Jun 07 j 15:42	0°♎16'21	7.88822 AU
	-10436 Jun 10 j 23:14	30°℞♍	
direct	-10436 Aug 12 j 16:16	26°♍49'14	
desc. node	-10436 Sep 09 j 20:45	27°♍35'11	
	-10436 Oct 10 j 21:51	0°♎	
evening set	-10436 Nov 22 j 15:00	5°♎03'25	
conjunction	-10436 Dec 10 j 09:41	7°♎25'37	-0°09'01
minimum elong	-10436 Dec 10 j 09:40	7°♎25'37	0°09'02
behind sun begin	-10436 Dec 10 j 03:28	7°♎23'33	
behind sun end	-10436 Dec 10 j 15:53	7°♎27'41	
max. Earth dist.	-10436 Dec 10 j 19:29	7°♎28'54	9.84505 AU
morning rise	-10436 Dec 28 j 09:47	9°♎49'37	
retrograde	-10435 Apr 16 j 01:25	18°♎34'37	
opposition	-10435 Jun 22 j 20:15	15°♎02'01	-0°35'20
min. Earth dist.	-10435 Jun 22 j 09:56	15°♎04'10	7.81131 AU
direct	-10435 Aug 27 j 09:13	11°♎34'47	
evening set	-10435 Dec 08 j 02:47	19°♎56'44	
conjunction	-10435 Dec 26 j 02:03	22°♎21'09	-0°46'07
minimum elong	-10435 Dec 26 j 02:00	22°♎21'08	0°46'17
max. Earth dist.	-10435 Dec 26 j 19:18	22°♎26'58	9.78825 AU
morning rise	-10434 Jan 13 j 05:52	24°♎47'03	
	-10434 Feb 25 j 22:18	0°♏	
retrograde	-10434 May 01 j 15:24	3°♏34'33	
opposition	-10434 Jul 07 j 22:29	0°♏01'42	-1°20'38
min. Earth dist.	-10434 Jul 07 j 06:51	0°♏04'59	7.77682 AU
	-10434 Jul 08 j 06:37	30°℞♎	
direct	-10434 Sep 11 j 08:46	26°♎33'32	
	-10434 Nov 12 j 03:34	0°♏	
evening set	-10434 Dec 23 j 22:50	5°♏00'39	
conjunction	-10433 Jan 11 j 01:07	7°♏26'01	-1°20'24
minimum elong	-10433 Jan 11 j 01:03	7°♏25'59	1°20'42
max. Earth dist.	-10433 Jan 12 j 00:37	7°♏33'56	9.77551 AU
morning rise	-10433 Jan 29 j 06:48	9°♏52'27	
	-10433 Mar 13 j 02:48	15°♏	
retrograde	-10433 May 17 j 02:19	18°♏37'49	
opposition	-10433 Jul 22 j 23:43	15°♏05'15	-2°00'30
min. Earth dist.	-10433 Jul 22 j 04:12	15°♏09'22	7.78724 AU
	-10433 Jul 24 j 00:39	15°℞♏	
direct	-10433 Sep 26 j 12:08	11°♏36'17	
	-10433 Nov 27 j 04:18	15°♏	
evening set	-10432 Jan 08 j 22:51	20°♏05'22	
conjunction	-10432 Jan 27 j 02:34	22°♏30'24	-1°49'10
minimum elong	-10432 Jan 27 j 02:29	22°♏30'23	1°49'35
max. Earth dist.	-10432 Jan 28 j 06:19	22°♏39'42	9.80759 AU
morning rise	-10432 Feb 14 j 08:19	24°♏56'02	
	-10432 Mar 27 j 21:59	0°♐	
retrograde	-10432 May 31 j 06:47	3°♐34'39	
opposition	-10432 Aug 05 j 20:47	0°♐02'54	-2°31'47
min. Earth dist.	-10432 Aug 04 j 23:16	0°♐07'26	7.84107 AU
	-10432 Aug 06 j 10:35	30°℞♏	
direct	-10432 Oct 10 j 16:59	26°♏33'22	
	-10432 Dec 12 j 09:19	0°♐	
evening set	-10431 Jan 23 j 21:35	5°♐00'59	
conjunction	-10431 Feb 11 j 01:16	7°♐24'32	-2°10'18
minimum elong	-10431 Feb 11 j 01:13	7°♐24'31	2°10'49
max. Earth dist.	-10431 Feb 12 j 06:45	7°♐34'19	9.88096 AU
morning rise	-10431 Mar 01 j 05:33	9°♐48'11	
retrograde	-10431 Jun 15 j 01:28	18°♐16'18	
opposition	-10431 Aug 20 j 11:20	14°♐45'52	-2°52'26
min. Earth dist.	-10431 Aug 19 j 13:37	14°♐50'25	7.93284 AU
direct	-10431 Oct 25 j 20:29	11°♐16'05	
evening set	-10430 Feb 08 j 14:03	19°♐39'02	
conjunction	-10430 Feb 26 j 16:33	22°♐00'14	-2°22'38
minimum elong	-10430 Feb 26 j 16:31	22°♐00'14	2°23'12
max. Earth dist.	-10430 Feb 27 j 21:27	22°♐09'42	9.98890 AU
morning rise	-10430 Mar 16 j 18:17	24°♐21'05	
	-10430 May 05 j 23:24	0°♑	
retrograde	-10430 Jun 29 j 07:19	2°♑36'06	
	-10430 Aug 24 j 01:04	30°℞♐	
opposition	-10430 Sep 03 j 17:28	29°♐07'24	-3°01'36
min. Earth dist.	-10430 Sep 02 j 20:47	29°♐11'42	8.05519 AU
direct	-10430 Nov 09 j 18:43	25°♐37'45	
	-10429 Jan 21 j 21:27	0°♑	
evening set	-10429 Feb 23 j 20:35	3°♑53'21	
conjunction	-10429 Mar 13 j 21:12	6°♑11'39	-2°25'54
minimum elong	-10429 Mar 13 j 21:12	6°♑11'39	2°26'29
max. Earth dist.	-10429 Mar 14 j 23:49	6°♑20'13	10.12407 AU
morning rise	-10429 Mar 31 j 19:48	8°♑29'11	
retrograde	-10429 Jul 13 j 00:18	16°♑29'33	
opposition	-10429 Sep 17 j 13:57	13°♑02'49	-2°59'38
min. Earth dist.	-10429 Sep 16 j 18:48	13°♑06'44	8.20076 AU
direct	-10429 Nov 24 j 09:20	9°♑33'38	
evening set	-10428 Mar 09 j 14:33	17°♑39'45	
conjunction	-10428 Mar 27 j 12:51	19°♑54'50	-2°20'40
minimum elong	-10428 Mar 27 j 12:52	19°♑54'51	2°21'14
max. Earth dist.	-10428 Mar 28 j 12:14	20°♑02'14	10.27869 AU
morning rise	-10428 Apr 14 j 07:59	22°♑08'49	
retrograde	-10428 Jul 25 j 05:31	29°♑54'00	
min. Earth dist.	-10428 Sep 29 j 07:24	26°♑32'45	8.36131 AU
opposition	-10428 Sep 30 j 00:31	26°♑29'17	-2°47'46
direct	-10428 Dec 07 j 14:09	23°♑00'51	
	-10427 Mar 15 j 23:32	0°♒	
evening set	-10427 Mar 23 j 18:27	0°♒56'08	
conjunction	-10427 Apr 10 j 14:03	3°♒07'54	-2°08'02
minimum elong	-10427 Apr 10 j 14:06	3°♒07'55	2°08'33
max. Earth dist.	-10427 Apr 11 j 09:48	3°♒14'01	10.44405 AU
morning rise	-10427 Apr 28 j 05:29	5°♒18'17	
retrograde	-10427 Aug 06 j 23:26	12°♒48'42	
min. Earth dist.	-10427 Oct 12 j 10:55	9°♒28'51	8.52821 AU
opposition	-10427 Oct 13 j 01:11	9°♒26'01	-2°27'43
direct	-10427 Dec 21 j 09:04	5°♒58'33	
evening set	-10426 Apr 06 j 08:00	13°♒42'30	
	-10426 Apr 17 j 01:11	15°♒	
conjunction	-10426 Apr 24 j 00:38	15°♒50'58	-1°49'26
minimum elong	-10426 Apr 24 j 00:42	15°♒50'59	1°49'53
max. Earth dist.	-10426 Apr 24 j 16:09	15°♒55'42	10.61151 AU
morning rise	-10426 May 11 j 12:19	17°♒57'55	
retrograde	-10426 Aug 19 j 05:40	25°♒14'45	
opposition	-10426 Oct 25 j 16:32	21°♒53'59	-2°01'24
min. Earth dist.	-10426 Oct 25 j 06:22	21°♒55'58	8.69320 AU
direct	-10425 Jan 03 j 17:42	18°♒27'38	
evening set	-10425 Apr 19 j 07:46	26°♒00'29	
conjunction	-10425 May 06 j 21:08	28°♒05'49	-1°26'21
minimum elong	-10425 May 06 j 21:11	28°♒05'50	1°26'42
max. Earth dist.	-10425 May 07 j 07:24	28°♒08'54	10.77301 AU
	-10425 May 22 j 20:33	0°♓	
morning rise	-10425 May 24 j 05:10	0°♓09'34	
retrograde	-10425 Aug 31 j 03:20	7°♓14'31	

Attention, astronomical year style is used: The year -10425 in astronomical counting style is the year 10426 BCE in historical counting style.

opposition	-10425 Nov 06 j 23:37	3°♓55'29	-1°30'40
min. Earth dist.	-10425 Nov 06 j 18:13	3°♓56'31	8.84875 AU
direct	-10424 Jan 16 j 15:41	0°♓30'20	
evening set	-10424 Apr 30 j 19:11	7°♓52'53	
conjunction	-10424 May 18 j 04:55	9°♓55'20	-1°00'14
minimum elong	-10424 May 18 j 04:57	9°♓55'21	1°00'29
max. Earth dist.	-10424 May 18 j 08:50	9°♓56'30	10.92150 AU
morning rise	-10424 Jun 04 j 09:23	11°♓56'13	
retrograde	-10424 Sep 10 j 15:04	18°♓51'18	
opposition	-10424 Nov 17 j 23:33	15°♓33'45	-0°57'13
min. Earth dist.	-10424 Nov 17 j 22:22	15°♓33'59	8.98845 AU
direct	-10423 Jan 28 j 04:53	12°♓09'49	
evening set	-10423 May 12 j 19:36	19°♓23'16	
conjunction	-10423 May 30 j 01:39	21°♓23'08	-0°32'21
minimum elong	-10423 May 30 j 01:40	21°♓23'08	0°32'30
max. Earth dist.	-10423 May 30 j 00:07	21°♓22'41	11.05129 AU
morning rise	-10423 Jun 16 j 02:33	23°♓21'30	
	-10423 Sep 08 j 18:25	0°♈	
retrograde	-10423 Sep 21 j 23:11	0°♈08'59	
	-10423 Oct 05 j 06:15	30°℞♓	
opposition	-10423 Nov 29 j 17:51	26°♓52'35	-0°22'30
min. Earth dist.	-10423 Nov 29 j 20:10	26°♓52'09	9.10718 AU
direct	-10422 Feb 09 j 11:00	23°♓29'51	
	-10422 May 19 j 03:35	0°♈	
evening set	-10422 May 24 j 10:43	0°♈35'37	
conjunction	-10422 Jun 10 j 13:07	2°♈33'15	-0°03'53
minimum elong	-10422 Jun 10 j 13:07	2°♈33'15	0°03'55
behind sun begin	-10422 Jun 10 j 06:10	2°♈31'16	
behind sun end	-10422 Jun 10 j 20:04	2°♈35'14	
max. Earth dist.	-10422 Jun 10 j 07:29	2°♈31'39	11.15780 AU
morning rise	-10422 Jun 27 j 10:24	4°♈29'30	
asc. node	-10422 Jul 31 j 12:07	8°♈02'01	
retrograde	-10422 Oct 03 j 03:43	11°♈11'35	
opposition	-10422 Dec 11 j 07:56	7°♈56'05	0°12'14
min. Earth dist.	-10422 Dec 11 j 14:24	7°♈54'53	9.20090 AU
direct	-10421 Feb 21 j 07:16	4°♈34'29	
evening set	-10421 Jun 04 j 18:48	11°♈34'09	
conjunction	-10421 Jun 21 j 17:24	13°♈29'58	0°24'22
minimum elong	-10421 Jun 21 j 17:23	13°♈29'57	0°24'27
max. Earth dist.	-10421 Jun 21 j 07:05	13°♈27'01	11.23753 AU
morning rise	-10421 Jul 08 j 11:15	15°♈24'32	
retrograde	-10421 Oct 14 j 04:46	22°♈03'27	
opposition	-10421 Dec 22 j 19:19	18°♈48'32	0°45'56
min. Earth dist.	-10421 Dec 23 j 06:20	18°♈46'31	9.26674 AU
direct	-10420 Mar 03 j 22:48	15°♈27'54	
evening set	-10420 Jun 14 j 21:35	22°♈23'14	
conjunction	-10420 Jul 01 j 16:21	24°♈17'36	0°51'20
minimum elong	-10420 Jul 01 j 16:19	24°♈17'36	0°51'31
max. Earth dist.	-10420 Jul 01 j 01:03	24°♈13'14	11.28826 AU
morning rise	-10420 Jul 18 j 07:12	26°♈10'56	
	-10420 Aug 24 j 21:08	0°♉	
retrograde	-10420 Oct 24 j 05:36	2°♉48'56	
	-10420 Dec 27 j 08:06	30°℞♈	
opposition	-10419 Jan 02 j 05:44	29°♈34'16	1°17'40
min. Earth dist.	-10419 Jan 02 j 20:19	29°♈31'37	9.30282 AU
direct	-10419 Mar 15 j 10:43	26°♈14'30	
	-10419 May 26 j 23:39	0°♉	
evening set	-10419 Jun 25 j 20:32	3°♉07'06	
conjunction	-10419 Jul 12 j 11:54	5°♉00'30	1°16'18
minimum elong	-10419 Jul 12 j 11:51	5°♉00'30	1°16'36
max. Earth dist.	-10419 Jul 11 j 17:15	4°♉55'10	11.30854 AU
morning rise	-10419 Jul 29 j 00:03	6°♉53'05	
retrograde	-10419 Nov 04 j 08:43	13°♉32'21	
opposition	-10418 Jan 13 j 16:28	10°♉17'35	1°46'34
min. Earth dist.	-10418 Jan 14 j 09:14	10°♉14'32	9.30794 AU
direct	-10418 Mar 26 j 20:17	6°♉58'29	
evening set	-10418 Jul 06 j 17:48	13°♉50'06	
	-10418 Jul 17 j 00:20	15°♉	
max. Earth dist.	-10418 Jul 22 j 09:34	15°♉37'03	11.29762 AU
conjunction	-10418 Jul 23 j 06:18	15°♉43'00	1°38'36
minimum elong	-10418 Jul 23 j 06:15	15°♉42'59	1°38'58
morning rise	-10418 Aug 08 j 16:07	17°♉35'17	
retrograde	-10418 Nov 15 j 16:10	24°♉17'52	
opposition	-10417 Jan 25 j 04:58	21°♉02'42	2°11'52
min. Earth dist.	-10417 Jan 26 j 00:07	20°♉59'14	9.28185 AU
direct	-10417 Apr 07 j 03:45	17°♉44'06	
evening set	-10417 Jul 17 j 15:12	24°♉36'20	
max. Earth dist.	-10417 Aug 02 j 01:45	26°♉22'29	11.25579 AU
conjunction	-10417 Aug 03 j 01:10	26°♉29'15	1°57'31
minimum elong	-10417 Aug 03 j 01:07	26°♉29'14	1°57'57
morning rise	-10417 Aug 19 j 09:26	28°♉21'48	
	-10417 Sep 03 j 06:21	0°♊	
retrograde	-10417 Nov 27 j 02:30	5°♊09'42	
opposition	-10416 Feb 05 j 21:06	1°♊53'49	2°32'45
min. Earth dist.	-10416 Feb 06 j 18:42	1°♊49'53	9.22526 AU
	-10416 Mar 04 j 16:18	30°℞♉	
direct	-10416 Apr 17 j 11:23	28°♉35'27	
	-10416 May 30 j 01:11	0°♊	
evening set	-10416 Jul 27 j 14:11	5°♊29'58	
conjunction	-10416 Aug 12 j 22:22	7°♊23'23	2°12'23
minimum elong	-10416 Aug 12 j 22:19	7°♊23'23	2°12'54
max. Earth dist.	-10416 Aug 11 j 20:53	7°♊15'58	11.18432 AU
morning rise	-10416 Aug 29 j 05:59	9°♊16'45	
retrograde	-10416 Dec 07 j 20:28	16°♊11'56	
opposition	-10415 Feb 16 j 17:57	12°♊54'59	2°48'25
min. Earth dist.	-10415 Feb 17 j 16:38	12°♊50'51	9.13982 AU
direct	-10415 Apr 28 j 23:03	9°♊36'38	
evening set	-10415 Aug 07 j 16:40	16°♊34'55	
max. Earth dist.	-10415 Aug 22 j 22:48	18°♊21'59	11.08528 AU
conjunction	-10415 Aug 24 j 00:11	18°♊29'28	2°22'33
minimum elong	-10415 Aug 24 j 00:10	18°♊29'28	2°23'08
morning rise	-10415 Sep 09 j 08:00	20°♊24'14	
retrograde	-10415 Dec 19 j 22:01	27°♊28'28	
opposition	-10414 Feb 28 j 20:33	24°♊10'09	2°58'05
min. Earth dist.	-10414 Mar 01 j 18:48	24°♊06'04	9.02803 AU
direct	-10414 May 10 j 13:08	20°♊51'34	
evening set	-10414 Aug 19 j 00:20	27°♊55'08	
max. Earth dist.	-10414 Sep 03 j 07:39	29°♊44'02	10.96162 AU
conjunction	-10414 Sep 04 j 08:18	29°♊51'24	2°27'24
minimum elong	-10414 Sep 04 j 08:17	29°♊51'24	2°28'00
	-10414 Sep 05 j 13:04	0°♋	
morning rise	-10414 Sep 20 j 17:22	1°♋48'08	
retrograde	-10413 Jan 01 j 10:19	9°♋03'04	
opposition	-10413 Mar 13 j 06:25	5°♋43'09	3°00'57
min. Earth dist.	-10413 Mar 14 j 03:32	5°♋39'14	8.89328 AU
direct	-10413 May 22 j 08:47	2°♋24'07	
evening set	-10413 Aug 30 j 14:58	9°♋34'19	
max. Earth dist.	-10413 Sep 15 j 00:09	11°♋25'32	10.81732 AU
conjunction	-10413 Sep 16 j 00:23	11°♋32'54	2°26'20
minimum elong	-10413 Sep 16 j 00:24	11°♋32'54	2°26'55
morning rise	-10413 Oct 02 j 12:05	13°♋32'16	
retrograde	-10412 Jan 14 j 08:30	20°♋59'19	

Attention, astronomical year style is used: The year -10412 in astronomical counting style is the year 10413 BCE in historical counting style.

opposition	-10412 Mar 25 j 00:36	17°♋37'35	2°56'17
min. Earth dist.	-10412 Mar 25 j 20:37	17°♋33'49	8.73999 AU
direct	-10412 Jun 02 j 09:39	14°♋17'50	
evening set	-10412 Sep 10 j 14:24	21°♋36'02	
max. Earth dist.	-10412 Sep 26 j 03:56	23°♋30'31	10.65724 AU
conjunction	-10412 Sep 27 j 02:37	23°♋37'31	2°18'51
minimum elong	-10412 Sep 27 j 02:39	23°♋37'32	2°19'24
morning rise	-10412 Oct 13 j 18:17	25°♋40'08	
	-10412 Nov 22 j 02:56	0°♌	
retrograde	-10411 Jan 26 j 16:14	3°♌20'28	
	-10411 Apr 06 j 10:52	30°℞♋	
opposition	-10411 Apr 07 j 03:44	29°♋56'47	2°43'29
min. Earth dist.	-10411 Apr 07 j 21:49	29°♋53'19	8.57362 AU
direct	-10411 Jun 14 j 19:42	26°♋36'07	
	-10411 Aug 17 j 23:04	0°♌	
evening set	-10411 Sep 23 j 00:20	4°♌03'34	
conjunction	-10411 Oct 09 j 16:47	6°♌08'34	2°04'39
minimum elong	-10411 Oct 09 j 16:50	6°♌08'35	2°05'09
max. Earth dist.	-10411 Oct 08 j 21:33	6°♌02'31	10.48739 AU
morning rise	-10411 Oct 26 j 13:30	8°♌14'58	
	-10410 Jan 03 j 05:45	15°♌	
retrograde	-10410 Feb 09 j 13:37	16°♌09'24	
	-10410 Mar 19 j 13:54	15°℞♌	
opposition	-10410 Apr 20 j 16:27	12°♌43'41	2°22'12
min. Earth dist.	-10410 Apr 21 j 07:02	12°♌40'51	8.40130 AU
direct	-10410 Jun 27 j 15:55	9°♌21'59	
	-10410 Sep 19 j 13:05	15°♌	
evening set	-10410 Oct 05 j 22:39	16°♌59'38	
conjunction	-10410 Oct 22 j 20:23	19°♌08'35	1°43'43
minimum elong	-10410 Oct 22 j 20:27	19°♌08'36	1°44'08
max. Earth dist.	-10410 Oct 22 j 06:17	19°♌04'03	10.31597 AU
morning rise	-10410 Nov 08 j 23:00	21°♌19'10	
retrograde	-10409 Feb 23 j 23:20	29°♌27'45	
opposition	-10409 May 04 j 14:52	26°♌00'03	1°52'34
min. Earth dist.	-10409 May 05 j 00:21	25°♌58'11	8.23235 AU
direct	-10409 Jul 10 j 20:38	22°♌37'10	
	-10409 Oct 16 j 02:04	0°♍	
evening set	-10409 Oct 19 j 10:42	0°♍25'34	
conjunction	-10409 Nov 05 j 14:28	2°♍38'38	1°16'28
minimum elong	-10409 Nov 05 j 14:31	2°♍38'39	1°16'48
max. Earth dist.	-10409 Nov 05 j 06:03	2°♍35'54	10.15288 AU
morning rise	-10409 Nov 22 j 23:37	4°♍53'33	
retrograde	-10408 Mar 09 j 19:59	13°♍15'26	
opposition	-10408 May 17 j 22:32	9°♍45'52	1°15'23
min. Earth dist.	-10408 May 18 j 02:22	9°♍45'06	8.07697 AU
direct	-10408 Jul 23 j 11:54	6°♍21'41	
evening set	-10408 Nov 01 j 13:15	14°♍20'51	
conjunction	-10408 Nov 18 j 23:17	16°♍37'58	0°43'57
minimum elong	-10408 Nov 18 j 23:19	16°♍37'59	0°44'09
max. Earth dist.	-10408 Nov 18 j 21:10	16°♍37'16	10.00817 AU
morning rise	-10408 Dec 06 j 15:04	18°♍57'00	
retrograde	-10407 Mar 25 j 01:01	27°♍30'19	
opposition	-10407 Jun 01 j 14:11	23°♍59'09	0°32'16
min. Earth dist.	-10407 Jun 01 j 12:30	23°♍59'30	7.94507 AU
direct	-10407 Aug 06 j 14:49	20°♍33'37	
evening set	-10407 Nov 16 j 06:13	28°♍42'58	
	-10407 Nov 25 j 23:28	0°♎	
conjunction	-10407 Dec 03 j 22:11	1°♎03'39	0°07'54
minimum elong	-10407 Dec 03 j 22:12	1°♎03'39	0°07'56
behind sun begin	-10407 Dec 03 j 15:41	1°♎01'30	
behind sun end	-10407 Dec 04 j 04:43	1°♎05'49	

max. Earth dist.	-10407 Dec 04 j 02:48	1°♎05'10	9.89129 AU
morning rise	-10407 Dec 21 j 19:54	3°♎26'13	
desc. node	-10406 Feb 22 j 12:53	10°♎17'29	
retrograde	-10406 Apr 09 j 11:33	12°♎08'01	
opposition	-10406 Jun 16 j 11:43	8°♎35'41	-0°14'09
min. Earth dist.	-10406 Jun 16 j 04:48	8°♎37'07	7.84565 AU
direct	-10406 Aug 21 j 03:10	5°♎08'48	
evening set	-10406 Dec 01 j 12:04	13°♎27'00	
conjunction	-10406 Dec 19 j 09:09	15°♎50'26	-0°29'32
minimum elong	-10406 Dec 19 j 09:07	15°♎50'25	0°29'38
max. Earth dist.	-10406 Dec 19 j 20:39	15°♎54'18	9.81053 AU
morning rise	-10405 Jan 06 j 11:29	18°♎15'32	
retrograde	-10405 Apr 25 j 00:52	27°♎02'03	
opposition	-10405 Jul 01 j 12:52	23°♎29'02	-1°00'35
min. Earth dist.	-10405 Jul 01 j 01:09	23°♎31'29	7.78592 AU
direct	-10405 Sep 04 j 23:45	20°♎00'55	
evening set	-10405 Dec 17 j 04:02	28°♎25'46	
	-10405 Dec 28 j 22:15	0°♏	
conjunction	-10404 Jan 04 j 04:58	0°♏50'49	-1°05'22
minimum elong	-10404 Jan 04 j 04:54	0°♏50'48	1°05'37
max. Earth dist.	-10404 Jan 04 j 23:03	0°♏56'55	9.77185 AU
morning rise	-10404 Jan 22 j 10:11	3°♏17'13	
retrograde	-10404 May 09 j 12:55	12°♏04'01	
opposition	-10404 Jul 15 j 14:32	8°♏30'51	-1°43'17
min. Earth dist.	-10404 Jul 14 j 22:37	8°♏34'12	7.77017 AU
direct	-10404 Sep 19 j 02:06	5°♏01'42	
evening set	-10403 Jan 01 j 02:25	13°♏30'21	
	-10403 Jan 12 j 07:45	15°♏	
conjunction	-10403 Jan 19 j 05:38	15°♏55'46	-1°36'54
minimum elong	-10403 Jan 19 j 05:33	15°♏55'44	1°37'17
max. Earth dist.	-10403 Jan 20 j 05:10	16°♏03'41	9.77802 AU
morning rise	-10403 Feb 06 j 11:46	18°♏22'03	
retrograde	-10403 May 24 j 19:55	27°♏04'29	
opposition	-10403 Jul 30 j 13:35	23°♏31'47	-2°18'48
min. Earth dist.	-10403 Jul 29 j 18:18	23°♏35'52	7.79928 AU
direct	-10403 Oct 04 j 07:14	20°♏01'53	
evening set	-10402 Jan 17 j 02:06	28°♏30'59	
	-10402 Jan 28 j 07:37	0°♐	
conjunction	-10402 Feb 04 j 06:02	0°♐55'30	-2°01'43
minimum elong	-10402 Feb 04 j 05:58	0°♐55'29	2°02'11
max. Earth dist.	-10402 Feb 05 j 09:25	1°♐04'39	9.82839 AU
morning rise	-10402 Feb 22 j 11:19	3°♐20'22	
retrograde	-10402 Jun 08 j 18:45	11°♐54'16	
min. Earth dist.	-10402 Aug 13 j 09:57	8°♐27'06	7.87077 AU
opposition	-10402 Aug 14 j 07:28	8°♐22'34	-2°44'30
direct	-10402 Oct 19 j 11:52	4°♐52'15	
evening set	-10401 Feb 01 j 21:49	13°♐18'16	
conjunction	-10401 Feb 20 j 01:12	15°♐40'52	-2°18'09
minimum elong	-10401 Feb 20 j 01:09	15°♐40'51	2°18'42
max. Earth dist.	-10401 Feb 21 j 06:34	15°♐50'33	9.91902 AU
morning rise	-10401 Mar 10 j 04:20	18°♐03'17	
retrograde	-10401 Jun 23 j 06:30	26°♐25'15	
opposition	-10401 Aug 28 j 17:45	22°♐55'03	-2°58'56
min. Earth dist.	-10401 Aug 27 j 19:29	22°♐59'42	7.97909 AU
direct	-10401 Nov 03 j 12:08	19°♐24'41	
evening set	-10400 Feb 17 j 09:31	27°♐44'27	
	-10400 Mar 05 j 21:56	0°♑	
conjunction	-10400 Mar 06 j 11:23	0°♑04'22	-2°25'32
minimum elong	-10400 Mar 06 j 11:22	0°♑04'22	2°26'06
max. Earth dist.	-10400 Mar 07 j 16:38	0°♑13'52	10.04312 AU
morning rise	-10400 Mar 24 j 11:32	2°♑23'39	

Attention, astronomical year style is used: The year -10400 in astronomical counting style is the year 10401 BCE in historical counting style.

retrograde	-10400 Jul 06 j 06:26	10°♑31'24		
opposition	-10400 Sep 10 j 18:49	7°♑03'03	-3°01'56	
min. Earth dist.	-10400 Sep 09 j 21:33	7°♑07'27	8.11650 AU	
direct	-10400 Nov 17 j 05:31	3°♑33'02		
evening set	-10399 Mar 03 j 09:40	11°♑44'03		
conjunction	-10399 Mar 21 j 09:18	14°♑00'49	-2°24'03	
minimum elong	-10399 Mar 21 j 09:19	14°♑00'49	2°24'37	
max. Earth dist.	-10399 Mar 22 j 12:26	14°♑09'28	10.19219 AU	
morning rise	-10399 Apr 08 j 06:01	16°♑16'34		
retrograde	-10399 Jul 19 j 18:13	24°♑09'03		
opposition	-10399 Sep 24 j 10:07	20°♑42'50	-2°54'21	
min. Earth dist.	-10399 Sep 23 j 15:19	20°♑46'40	8.27414 AU	
direct	-10399 Dec 01 j 14:21	17°♑13'31		