Attention, astronomical year style is used: The year -6900 in astronomical counting style is the year 6901 BCE in historical counting style.

morning rise	-6900 Jan 03	j 02:20	8°♏19'44	
retrograde	-6900 Apr 06	j 22:05	11°♏26'23	
min. Earth dist.	-6900 Jun 22	j 23:29	9°♏29'46	19.14253 AU
opposition	-6900 Jun 24	j 02:34	9°♏27'02	-0°15'14
direct	-6900 Sep 07	j 02:56	7°♏31'24	
evening set	-6900 Dec 05	j 04:00	10°♏27'45	
conjunction	-6900 Dec 21	j 04:19	11°♏21'54	-0°15'39
minimum elong	-6900 Dec 21	j 04:19	11°♏21'54	0°15'55
behind sun begin	-6900 Dec 21	j 03:32	11°♏21'48	
behind sun end	-6900 Dec 21	j 05:05	11°♏22'00	
max. Earth dist.	-6900 Dec 22	j 08:25	11°♏25'53	21.14230 AU
morning rise	-6899 Jan 06	j 09:06	12°♏16'40	
	-6899 Mar 10	j 22:26	15°♏	
retrograde	-6899 Apr 11	j 04:53	15°♏23'20	
	-6899 May 12	j 23:31	15°℞♏	
min. Earth dist.	-6899 Jun 27	j 07:56	13°♏26'27	19.14146 AU
opposition	-6899 Jun 28	j 08:44	13°♏23'58	-0°19'23
direct	-6899 Sep 11	j 06:16	11°♏28'18	
evening set	-6899 Dec 09	j 08:57	14°♏24'40	
	-6899 Dec 19	j 21:07	15°♏	
conjunction	-6899 Dec 25	j 10:26	15°♏18'55	-0°19'21
minimum elong	-6899 Dec 25	j 10:25	15°♏18'54	0°19'39
max. Earth dist.	-6899 Dec 26	j 13:34	15°♏22'45	21.13829 AU
morning rise	-6898 Jan 10	j 16:11	16°♏13'46	
retrograde	-6898 Apr 15	j 14:27	19°♏20'29	
opposition	-6898 Jul 02	j 14:36	17°♏21'04	-0°23'27
min. Earth dist.	-6898 Jul 01	j 14:11	17°♏23'31	19.13430 AU
direct	-6898 Sep 15	j 11:37	15°♏25'19	
evening set	-6898 Dec 13	j 14:26	18°♏21'46	
conjunction	-6898 Dec 29	j 16:50	19°♏16'08	-0°22'59
minimum elong	-6898 Dec 29	j 16:50	19°♏16'08	0°23'17
max. Earth dist.	-6898 Dec 30	j 18:00	19°♏19'41	21.12804 AU
morning rise	-6897 Jan 14	j 23:41	20°♏11'07	
retrograde	-6897 Apr 19	j 20:51	23°♏17'53	
opposition	-6897 Jul 06	j 20:17	21°♏18'22	-0°27'24
min. Earth dist.	-6897 Jul 05	j 22:25	21°♏20'35	19.12105 AU
direct	-6897 Sep 19	j 14:35	19°♏22'30	
evening set	-6897 Dec 17	j 20:03	22°♏19'06	
conjunction	-6896 Jan 02	j 23:36	23°♏13'35	-0°26'30
minimum elong	-6896 Jan 02	j 23:36	23°♏13'35	0°26'51
max. Earth dist.	-6896 Jan 03	j 23:37	23°♏16'59	21.11201 AU
morning rise	-6896 Jan 19	j 07:24	24°♏08'42	
retrograde	-6896 Apr 23	j 06:33	27°♏15'34	
min. Earth dist.	-6896 Jul 09	j 04:26	25°♏18'06	19.10217 AU
opposition	-6896 Jul 10	j 01:48	25°♏15'56	-0°31'14
direct	-6896 Sep 22	j 20:11	23°♏19'53	
evening set	-6896 Dec 21	j 01:58	26°♏16'41	
conjunction	-6895 Jan 06	j 06:28	27°♏11'20	-0°29'53
minimum elong	-6895 Jan 06	j 06:28	27°♏11'20	0°30'14
max. Earth dist.	-6895 Jan 07	j 04:39	27°♏14'28	21.09049 AU
morning rise	-6895 Jan 22	j 15:21	28°♏06'35	
	-6895 Mar 02	j 00:06	0°♐	
retrograde	-6895 Apr 27	j 13:10	1°♐13'35	
	-6895 Jun 24	j 20:10	30°℞♏	
opposition	-6895 Jul 14	j 07:22	29°♏13'49	-0°34'54
min. Earth dist.	-6895 Jul 13	j 12:29	29°♏15'45	19.07818 AU
direct	-6895 Sep 26	j 23:02	27°♏17'33	
	-6895 Dec 20	j 21:20	0°♐	
evening set	-6895 Dec 25	j 08:21	0°♐14'40	

conjunction	-6894 Jan 10	j 14:01	1°♐09'28	-0°33'08
minimum elong	-6894 Jan 10	j 14:00	1°♐09'28	0°33'31
max. Earth dist.	-6894 Jan 11	j 10:59	1°♐12'26	21.06428 AU
morning rise	-6894 Jan 26	j 23:50	2°♐04'53	
retrograde	-6894 May 01	j 22:44	5°♐12'02	
opposition	-6894 Jul 18	j 12:33	3°♐12'08	-0°38'24
min. Earth dist.	-6894 Jul 17	j 18:16	3°♐14'00	19.04975 AU
direct	-6894 Oct 01	j 04:49	1°♐15'37	
evening set	-6894 Dec 29	j 15:19	4°♐13'08	
conjunction	-6893 Jan 14	j 21:55	5°♐08'07	-0°36'13
minimum elong	-6893 Jan 14	j 21:55	5°♐08'07	0°36'37
max. Earth dist.	-6893 Jan 15	j 16:59	5°♐10'49	21.03372 AU
morning rise	-6893 Jan 31	j 08:45	6°♐03'41	
retrograde	-6893 May 06	j 06:21	9°♐11'03	
opposition	-6893 Jul 22	j 18:00	7°♐11'01	-0°41'44
min. Earth dist.	-6893 Jul 22	j 02:10	7°♐12'39	19.01730 AU
direct	-6893 Oct 05	j 07:59	5°♐14'16	
evening set	-6892 Jan 02	j 22:32	8°♐12'14	
conjunction	-6892 Jan 19	j 06:14	9°♐07'25	-0°39'09
minimum elong	-6892 Jan 19	j 06:14	9°♐07'25	0°39'34
max. Earth dist.	-6892 Jan 19	j 23:59	9°♐09'56	20.99953 AU
morning rise	-6892 Feb 04	j 17:56	10°♐03'11	
retrograde	-6892 May 09	j 16:02	13°♐10'47	
opposition	-6892 Jul 25	j 23:23	11°♐10'39	-0°44'53
min. Earth dist.	-6892 Jul 25	j 08:03	11°♐12'13	18.98135 AU
direct	-6892 Oct 08	j 13:42	9°♐13'39	
evening set	-6891 Jan 06	j 06:31	12°♐12'10	
conjunction	-6891 Jan 22	j 15:11	13°♐07'34	-0°41'54
minimum elong	-6891 Jan 22	j 15:10	13°♐07'34	0°42'19
max. Earth dist.	-6891 Jan 23	j 07:00	13°♐09'48	20.96187 AU
morning rise	-6891 Feb 08	j 03:49	14°♐03'31	
retrograde	-6891 May 14	j 00:39	17°♐11'26	
opposition	-6891 Jul 30	j 05:00	15°♐11'11	-0°47'49
min. Earth dist.	-6891 Jul 29	j 16:09	15°♐12'30	18.94212 AU
direct	-6891 Oct 12	j 17:41	13°♐13'56	
evening set	-6890 Jan 10	j 15:04	16°♐13'06	
conjunction	-6890 Jan 27	j 00:51	17°♐08'43	-0°44'27
minimum elong	-6890 Jan 27	j 00:51	17°♐08'43	0°44'53
max. Earth dist.	-6890 Jan 27	j 15:03	17°♐10'44	20.92118 AU
morning rise	-6890 Feb 12	j 14:21	18°♐04'53	
retrograde	-6890 May 18	j 11:06	21°♐13'08	
opposition	-6890 Aug 03	j 10:44	19°♐12'48	-0°50'33
min. Earth dist.	-6890 Aug 02	j 22:38	19°♐14'03	18.89978 AU
direct	-6890 Oct 16	j 23:26	17°♐15'18	
evening set	-6889 Jan 15	j 00:29	20°♐15'12	
conjunction	-6889 Jan 31	j 11:11	21°♐11'03	-0°46'48
minimum elong	-6889 Jan 31	j 11:11	21°♐11'03	0°47'15
max. Earth dist.	-6889 Jan 31	j 23:16	21°♐12'46	20.87719 AU
morning rise	-6889 Feb 17	j 01:30	22°♐07'25	
retrograde	-6889 May 22	j 20:26	25°♐16'03	
opposition	-6889 Aug 07	j 16:47	23°♐15'40	-0°53'02
min. Earth dist.	-6889 Aug 07	j 07:20	23°♐16'39	18.85421 AU
direct	-6889 Oct 21	j 04:40	21°♐17'55	
evening set	-6888 Jan 19	j 10:34	24°♐18'37	
conjunction	-6888 Feb 04	j 22:17	25°♐14'43	-0°48'56
minimum elong	-6888 Feb 04	j 22:17	25°♐14'43	0°49'23
max. Earth dist.	-6888 Feb 05	j 08:25	25°♐16'10	20.83015 AU
morning rise	-6888 Feb 21	j 13:23	26°♐11'19	
retrograde	-6888 May 26	j 07:46	29°♐20'23	

Attention, astronomical year style is used: The year -6888 in astronomical counting style is the year 6889 BCE in historical counting style.

opposition	-6888 Aug 10 j 23:06	27°♐19'56	-0°55'16
min. Earth dist.	-6888 Aug 10 j 14:40	27°♐20'48	18.80547 AU
direct	-6888 Oct 24 j 11:12	25°♐21'55	
evening set	-6887 Jan 22 j 21:30	28°♐23'29	
conjunction	-6887 Feb 08 j 10:08	29°♐19'51	-0°50'49
minimum elong	-6887 Feb 08 j 10:07	29°♐19'51	0°51'17
max. Earth dist.	-6887 Feb 08 j 18:00	29°♐20'58	20.77960 AU
	-6887 Feb 20 j 03:25	0°♑	
morning rise	-6887 Feb 25 j 01:58	0°♑16'41	
retrograde	-6887 May 30 j 18:04	3°♑26'11	
opposition	-6887 Aug 15 j 05:59	1°♑25'41	-0°57'14
min. Earth dist.	-6887 Aug 15 j 00:29	1°♑26'16	18.75311 AU
	-6887 Sep 22 j 15:10	30°℞♐	
direct	-6887 Oct 28 j 17:21	29°♐27'23	
	-6887 Dec 03 j 08:49	0°♑	
evening set	-6886 Jan 27 j 09:27	2°♑29'54	
conjunction	-6886 Feb 12 j 23:02	3°♑26'32	-0°52'28
minimum elong	-6886 Feb 12 j 23:02	3°♑26'32	0°52'55
max. Earth dist.	-6886 Feb 13 j 04:20	3°♑27'18	20.72545 AU
morning rise	-6886 Mar 01 j 15:35	4°♑23'36	
retrograde	-6886 Jun 04 j 06:34	7°♑33'35	
opposition	-6886 Aug 19 j 13:04	5°♑32'59	-0°58'56
min. Earth dist.	-6886 Aug 19 j 09:00	5°♑33'25	18.69699 AU
direct	-6886 Nov 02 j 01:41	3°♑34'20	
evening set	-6885 Jan 31 j 22:20	6°♑37'52	
conjunction	-6885 Feb 17 j 12:46	7°♑34'47	-0°53'51
minimum elong	-6885 Feb 17 j 12:46	7°♑34'47	0°54'18
max. Earth dist.	-6885 Feb 17 j 15:33	7°♑35'11	20.66727 AU
morning rise	-6885 Mar 06 j 05:53	8°♑32'06	
retrograde	-6885 Jun 08 j 17:31	11°♑42'33	
opposition	-6885 Aug 23 j 20:53	9°♑41'52	-1°00'19
min. Earth dist.	-6885 Aug 23 j 19:49	9°♑41'59	18.63687 AU
direct	-6885 Nov 06 j 08:40	7°♑42'51	
evening set	-6884 Feb 05 j 11:51	10°♑47'25	
conjunction	-6884 Feb 22 j 03:07	11°♑44'36	-0°54'57
minimum elong	-6884 Feb 22 j 03:07	11°♑44'36	0°55'25
max. Earth dist.	-6884 Feb 22 j 03:03	11°♑44'36	20.60535 AU
morning rise	-6884 Mar 09 j 20:53	12°♑42'10	
retrograde	-6884 Jun 12 j 07:15	15°♑53'08	
opposition	-6884 Aug 27 j 05:04	13°♑52'18	-1°01'24
min. Earth dist.	-6884 Aug 27 j 05:30	13°♑52'15	18.57310 AU
direct	-6884 Nov 09 j 18:53	11°♑52'51	
evening set	-6883 Feb 09 j 02:24	14°♑58'30	
conjunction	-6883 Feb 25 j 18:30	15°♑56'00	-0°55'46
minimum elong	-6883 Feb 25 j 18:30	15°♑56'00	0°56'12
max. Earth dist.	-6883 Feb 25 j 16:04	15°♑55'39	20.53984 AU
morning rise	-6883 Mar 14 j 12:42	16°♑53'49	
retrograde	-6883 Jun 16 j 18:54	20°♑05'15	
opposition	-6883 Aug 31 j 13:42	18°♑04'17	-1°02'09
min. Earth dist.	-6883 Aug 31 j 17:04	18°♑03'55	18.50608 AU
direct	-6883 Nov 14 j 03:13	16°♑04'23	
evening set	-6882 Feb 13 j 17:49	19°♑11'10	
conjunction	-6882 Mar 02 j 10:40	20°♑08'57	-0°56'17
minimum elong	-6882 Mar 02 j 10:40	20°♑08'58	0°56'44
max. Earth dist.	-6882 Mar 02 j 05:13	20°♑08'10	20.47160 AU
morning rise	-6882 Mar 19 j 05:26	21°♑07'02	
retrograde	-6882 Jun 21 j 09:35	24°♑18'59	
opposition	-6882 Sep 04 j 22:49	22°♑17'50	-1°02'35
min. Earth dist.	-6882 Sep 05 j 03:44	22°♑17'19	18.43664 AU
direct	-6882 Nov 18 j 14:39	20°♑17'28	
evening set	-6881 Feb 18 j 10:03	23°♑25'26	

conjunction	-6881 Mar 07 j 03:36	24°♑23'32	-0°56'30
minimum elong	-6881 Mar 07 j 03:36	24°♑23'32	0°56'56
max. Earth dist.	-6881 Mar 06 j 20:14	24°♑22'27	20.40109 AU
morning rise	-6881 Mar 23 j 22:36	25°♑21'51	
retrograde	-6881 Jun 25 j 22:32	28°♑34'20	
opposition	-6881 Sep 09 j 08:33	26°♑33'01	-1°02'40
min. Earth dist.	-6881 Sep 09 j 16:02	26°♑32'13	18.36541 AU
direct	-6881 Nov 23 j 00:42	24°♑32'11	
evening set	-6880 Feb 23 j 03:09	27°♑41'23	
conjunction	-6880 Mar 10 j 21:15	28°♑39'46	-0°56'24
minimum elong	-6880 Mar 10 j 21:16	28°♑39'46	0°56'50
max. Earth dist.	-6880 Mar 10 j 10:57	28°♑38'15	20.32943 AU
morning rise	-6880 Mar 27 j 16:41	29°♑38'21	
	-6880 Apr 03 j 02:02	0°♒	
retrograde	-6880 Jun 29 j 14:00	2°♒51'23	
opposition	-6880 Sep 12 j 18:45	0°♒49'54	-1°02'25
min. Earth dist.	-6880 Sep 13 j 03:37	0°♒48'57	18.29344 AU
	-6880 Oct 02 j 20:58	30°℞♑	
direct	-6880 Nov 26 j 13:03	28°♑48'35	
	-6879 Jan 18 j 21:16	0°♒	
evening set	-6879 Feb 26 j 21:04	1°♒59'04	
conjunction	-6879 Mar 15 j 15:51	2°♒57'46	-0°55'59
minimum elong	-6879 Mar 15 j 15:51	2°♒57'46	0°56'24
max. Earth dist.	-6879 Mar 15 j 04:02	2°♒56'02	20.25715 AU
morning rise	-6879 Apr 01 j 11:23	3°♒56'37	
retrograde	-6879 Jul 04 j 04:42	7°♒10'12	
opposition	-6879 Sep 17 j 05:46	5°♒08'35	-1°01'49
min. Earth dist.	-6879 Sep 17 j 16:51	5°♒07'24	18.22114 AU
direct	-6879 Dec 01 j 00:45	3°♒06'50	
evening set	-6878 Mar 03 j 16:05	6°♒18'37	
conjunction	-6878 Mar 20 j 11:13	7°♒17'37	-0°55'16
minimum elong	-6878 Mar 20 j 11:14	7°♒17'37	0°55'39
max. Earth dist.	-6878 Mar 19 j 20:23	7°♒15'26	20.18505 AU
morning rise	-6878 Apr 06 j 07:02	8°♒16'44	
retrograde	-6878 Jul 08 j 21:27	11°♒30'55	
opposition	-6878 Sep 21 j 17:20	9°♒29'10	-1°00'51
min. Earth dist.	-6878 Sep 22 j 05:47	9°♒27'50	18.14937 AU
direct	-6878 Dec 05 j 14:26	7°♒26'58	
evening set	-6877 Mar 08 j 11:54	10°♒40'08	
conjunction	-6877 Mar 25 j 07:34	11°♒39'26	-0°54'14
minimum elong	-6877 Mar 25 j 07:34	11°♒39'26	0°54'36
max. Earth dist.	-6877 Mar 24 j 15:36	11°♒37'05	20.11358 AU
morning rise	-6877 Apr 11 j 03:15	12°♒38'48	
	-6877 May 28 j 18:03	15°♒	
retrograde	-6877 Jul 13 j 13:57	15°♒53'35	
	-6877 Aug 29 j 03:46	15°℞♒	
opposition	-6877 Sep 26 j 05:51	13°♒51'47	-0°59'33
min. Earth dist.	-6877 Sep 26 j 20:07	13°♒50'15	18.07843 AU
direct	-6877 Dec 10 j 03:32	11°♒49'12	
	-6876 Mar 11 j 06:47	15°♒	
evening set	-6876 Mar 12 j 08:35	15°♒03'44	
max. Earth dist.	-6876 Mar 28 j 09:32	16°♒00'31	20.04334 AU
conjunction	-6876 Mar 29 j 04:27	16°♒03'20	-0°52'52
minimum elong	-6876 Mar 29 j 04:27	16°♒03'20	0°53'12
morning rise	-6876 Apr 15 j 00:18	17°♒02'57	
retrograde	-6876 Jul 17 j 08:26	20°♒18'23	
opposition	-6876 Sep 29 j 19:04	18°♒16'31	-0°57'52
min. Earth dist.	-6876 Sep 30 j 10:47	18°♒14'49	18.00890 AU
direct	-6876 Dec 13 j 18:39	16°♒13'33	
evening set	-6875 Mar 17 j 06:19	19°♒29'30	
max. Earth dist.	-6875 Apr 02 j 06:49	20°♒26'27	19.97441 AU

Attention, astronomical year style is used: The year -6875 in astronomical counting style is the year 6876 BCE in historical counting style.

conjunction	-6875 Apr 03 j 02:36	20°♒29'25	-0°51'10
minimum elong	-6875 Apr 03 j 02:36	20°♒29'25	0°51'31
morning rise	-6875 Apr 19 j 22:10	21°♒29'17	
retrograde	-6875 Jul 22 j 02:48	24°♒45'19	
opposition	-6875 Oct 04 j 09:04	22°♒43'26	-0°55'50
min. Earth dist.	-6875 Oct 05 j 02:31	22°♒41'33	17.94063 AU
direct	-6875 Dec 18 j 09:21	20°♒40'08	
evening set	-6874 Mar 22 j 05:16	23°♒57'31	
max. Earth dist.	-6874 Apr 07 j 02:36	24°♒54'16	19.90688 AU
conjunction	-6874 Apr 08 j 01:30	24°♒57'43	-0°49'10
minimum elong	-6874 Apr 08 j 01:30	24°♒57'43	0°49'28
morning rise	-6874 Apr 24 j 21:01	25°♒57'49	
retrograde	-6874 Jul 26 j 22:54	29°♒14'30	
opposition	-6874 Oct 09 j 00:03	27°♒12'35	-0°53'27
min. Earth dist.	-6874 Oct 09 j 19:15	27°♒10'31	17.87383 AU
direct	-6874 Dec 23 j 02:16	25°♒08'56	
evening set	-6873 Mar 27 j 04:50	28°♒27'45	
max. Earth dist.	-6873 Apr 12 j 01:38	29°♒24'40	19.84060 AU
conjunction	-6873 Apr 13 j 01:15	29°♒28'13	-0°46'50
minimum elong	-6873 Apr 13 j 01:15	29°♒28'13	0°47'06
	-6873 Apr 21 j 20:13	0°♓	
morning rise	-6873 Apr 29 j 20:16	0°♓28'33	
retrograde	-6873 Jul 31 j 18:34	3°♓45'51	
opposition	-6873 Oct 13 j 15:58	1°♓43'56	-0°50'42
min. Earth dist.	-6873 Oct 14 j 12:36	1°♓41'41	17.80817 AU
	-6873 Nov 30 j 02:18	30°♑℞♒	
direct	-6873 Dec 27 j 19:20	29°♒39'57	
	-6872 Jan 24 j 09:49	0°♓	
evening set	-6872 Mar 31 j 05:33	3°♓00'09	
max. Earth dist.	-6872 Apr 15 j 23:01	3°♓56'49	19.77559 AU
conjunction	-6872 Apr 17 j 01:44	4°♓00'52	-0°44'11
minimum elong	-6872 Apr 17 j 01:45	4°♓00'52	0°44'27
morning rise	-6872 May 03 j 20:30	5°♓01'25	
retrograde	-6872 Aug 04 j 15:16	8°♓19'18	
opposition	-6872 Oct 17 j 08:42	6°♓17'20	-0°47'36
min. Earth dist.	-6872 Oct 18 j 07:15	6°♓14'53	17.74392 AU
direct	-6872 Dec 31 j 14:07	4°♓13'00	
evening set	-6871 Apr 05 j 06:56	7°♓34'33	
max. Earth dist.	-6871 Apr 20 j 23:43	8°♓31'22	19.71195 AU
conjunction	-6871 Apr 22 j 03:10	8°♓35'32	-0°41'15
minimum elong	-6871 Apr 22 j 03:10	8°♓35'32	0°41'27
morning rise	-6871 May 08 j 21:19	9°♓36'16	
retrograde	-6871 Aug 09 j 12:02	12°♓54'42	
opposition	-6871 Oct 22 j 02:24	10°♓52'41	-0°44'11
min. Earth dist.	-6871 Oct 23 j 01:59	10°♓50'07	17.68099 AU
direct	-6870 Jan 05 j 10:25	8°♓48'00	
evening set	-6870 Apr 10 j 09:15	12°♓10'52	
max. Earth dist.	-6870 Apr 25 j 22:53	13°♓07'27	19.64990 AU
conjunction	-6870 Apr 27 j 05:02	13°♓12'03	-0°38'01
minimum elong	-6870 Apr 27 j 05:03	13°♓12'03	0°38'12
morning rise	-6870 May 13 j 22:40	14°♓12'57	
retrograde	-6870 Aug 14 j 08:39	17°♓31'55	
opposition	-6870 Oct 26 j 20:57	15°♓29'49	-0°40'27
min. Earth dist.	-6870 Oct 27 j 22:26	15°♓27'02	17.62007 AU
direct	-6869 Jan 10 j 07:14	13°♓24'46	
evening set	-6869 Apr 15 j 12:00	16°♓48'52	
max. Earth dist.	-6869 May 01 j 01:00	17°♓45'35	19.59019 AU
conjunction	-6869 May 02 j 07:33	17°♓50'16	-0°34'31
minimum elong	-6869 May 02 j 07:34	17°♓50'16	0°34'40
morning rise	-6869 May 19 j 00:26	18°♓51'19	
retrograde	-6869 Aug 19 j 06:31	22°♓10'46	
opposition	-6869 Oct 31 j 16:16	20°♓08'35	-0°36'26
min. Earth dist.	-6869 Nov 01 j 18:10	20°♓05'45	17.56171 AU
direct	-6868 Jan 15 j 06:19	18°♓03'12	
evening set	-6868 Apr 19 j 15:18	21°♓28'27	
max. Earth dist.	-6868 May 05 j 01:56	22°♓25'03	19.53338 AU
conjunction	-6868 May 06 j 10:19	22°♓30'02	-0°30'47
minimum elong	-6868 May 06 j 10:19	22°♓30'02	0°30'53
morning rise	-6868 May 23 j 02:29	23°♓31'13	
retrograde	-6868 Aug 23 j 03:35	26°♓51'07	
opposition	-6868 Nov 04 j 12:26	24°♓48'50	-0°32'09
min. Earth dist.	-6868 Nov 05 j 16:03	24°♓45'49	17.50673 AU
direct	-6867 Jan 19 j 04:53	22°♓43'06	
evening set	-6867 Apr 24 j 19:07	26°♓09'28	
max. Earth dist.	-6867 May 10 j 05:02	27°♓06'09	19.48031 AU
conjunction	-6867 May 11 j 13:37	27°♓11'12	-0°26'50
minimum elong	-6867 May 11 j 13:37	27°♓11'12	0°26'54
morning rise	-6867 May 28 j 04:57	28°♓12'29	
	-6867 Jun 29 j 15:29	0°♈	
retrograde	-6867 Aug 28 j 02:45	1°♈32'47	
	-6867 Oct 29 j 00:40	30°♑♓	
opposition	-6867 Nov 09 j 09:14	29°♓30'26	-0°27'39
min. Earth dist.	-6867 Nov 10 j 12:40	29°♓27'26	17.45571 AU
direct	-6866 Jan 24 j 06:08	27°♓24'23	
	-6866 Apr 15 j 06:08	0°♈	
evening set	-6866 Apr 29 j 23:25	0°♈51'47	
max. Earth dist.	-6866 May 15 j 07:50	1°♈48'28	19.43155 AU
conjunction	-6866 May 16 j 17:12	1°♈53'38	-0°22'41
minimum elong	-6866 May 16 j 17:12	1°♈53'38	0°22'42
morning rise	-6866 Jun 02 j 07:32	2°♈55'01	
retrograde	-6866 Sep 02 j 00:38	6°♈15'41	
opposition	-6866 Nov 14 j 07:03	4°♈13'16	-0°22'56
min. Earth dist.	-6866 Nov 15 j 11:46	4°♈10'08	17.40955 AU
direct	-6865 Jan 29 j 05:44	2°♈06'56	
evening set	-6865 May 05 j 03:48	5°♈35'17	
max. Earth dist.	-6865 May 20 j 11:27	6°♈32'02	19.38806 AU
conjunction	-6865 May 21 j 20:46	6°♈37'13	-0°18'22
minimum elong	-6865 May 21 j 20:46	6°♈37'13	0°18'22
morning rise	-6865 Jun 07 j 10:09	7°♈38'41	
retrograde	-6865 Sep 07 j 01:08	10°♈59'42	
opposition	-6865 Nov 19 j 05:27	8°♈57'14	-0°18'02
min. Earth dist.	-6865 Nov 20 j 09:16	8°♈54'11	17.36882 AU
direct	-6864 Feb 03 j 08:11	6°♈50'40	
evening set	-6864 May 09 j 08:36	10°♈19'53	
max. Earth dist.	-6864 May 24 j 15:42	11°♈16'45	19.35020 AU
conjunction	-6864 May 26 j 00:44	11°♈21'54	-0°13'55
minimum elong	-6864 May 26 j 00:44	11°♈21'54	0°13'53
behind sun begin	-6864 May 25 j 21:22	11°♈21'23	
behind sun end	-6864 May 26 j 04:07	11°♈22'25	
morning rise	-6864 Jun 11 j 12:56	12°♈23'24	
retrograde	-6864 Sep 11 j 00:02	15°♈44'43	
opposition	-6864 Nov 23 j 04:35	13°♈42'16	-0°13'00
min. Earth dist.	-6864 Nov 24 j 09:21	13°♈39'07	17.33408 AU
direct	-6863 Feb 07 j 08:46	11°♈35'32	
evening set	-6863 May 14 j 13:41	15°♈05'32	
max. Earth dist.	-6863 May 29 j 19:40	16°♈02'24	19.31863 AU
conjunction	-6863 May 31 j 04:48	16°♈07'36	-0°09'22
minimum elong	-6863 May 31 j 04:47	16°♈07'36	0°09'17
behind sun begin	-6863 May 30 j 23:08	16°♈06'44	
behind sun end	-6863 May 31 j 10:26	16°♈08'28	
morning rise	-6863 Jun 16 j 15:58	17°♈09'07	
retrograde	-6863 Sep 16 j 01:18	20°♈30'43	

Attention, astronomical year style is used: The year -6863 in astronomical counting style is the year 6864 BCE in historical counting style.

opposition	-6863 Nov 28 j 04:25	18°♈28'18	-0°07'51	
min. Earth dist.	-6863 Nov 29 j 07:54	18°♈25'17	17.30560 AU	
direct	-6862 Feb 12 j 11:56	16°♈21'29		
evening set	-6862 May 19 j 18:46	19°♈52'10		
max. Earth dist.	-6862 Jun 04 j 01:03	20°♈49'15	19.29325 AU	
conjunction	-6862 Jun 05 j 08:54	20°♈54'15	-0°04'44	
minimum elong	-6862 Jun 05 j 08:54	20°♈54'15	0°04'37	
behind sun begin	-6862 Jun 05 j 02:19	20°♈53'15		
behind sun end	-6862 Jun 05 j 15:29	20°♈55'16		
morning rise	-6862 Jun 21 j 18:42	21°♈55'45		
retrograde	-6862 Sep 21 j 01:19	25°♈17'37		
opposition	-6862 Dec 03 j 05:06	23°♈15'17	-0°02'37	
min. Earth dist.	-6862 Dec 04 j 09:07	23°♈12'13	17.28336 AU	
direct	-6861 Feb 17 j 13:48	21°♈08'26		
evening set	-6861 May 25 j 00:03	24°♈39'43		
asc. node	-6861 Jun 07 j 00:02	25°♈28'23		
max. Earth dist.	-6861 Jun 09 j 04:56	25°♈36'44	19.27418 AU	
conjunction	-6861 Jun 10 j 12:55	25°♈41'46	0°00'03	
minimum elong	-6861 Jun 10 j 12:55	25°♈41'46	0°00'13	
behind sun begin	-6861 Jun 10 j 06:16	25°♈40'45		
behind sun end	-6861 Jun 10 j 19:34	25°♈42'48		
morning rise	-6861 Jun 26 j 21:38	26°♈43'14		
	-6861 Sep 12 j 10:55	0°♉		
retrograde	-6861 Sep 26 j 02:58	0°♉05'19		
	-6861 Oct 09 j 19:51	30°℞♈		
opposition	-6861 Dec 08 j 06:09	28°♈03'05	0°02'38	
min. Earth dist.	-6861 Dec 09 j 08:51	28°♈00'10	17.26728 AU	
direct	-6860 Feb 22 j 17:34	25°♈56'15		
evening set	-6860 May 29 j 05:09	29°♈28'01		
	-6860 Jun 06 j 18:36	0°♉		
max. Earth dist.	-6860 Jun 13 j 10:49	0°♉25'16	19.26093 AU	
conjunction	-6860 Jun 14 j 17:00	0°♉30'02	0°04'50	
minimum elong	-6860 Jun 14 j 17:00	0°♉30'02	0°05'02	
behind sun begin	-6860 Jun 14 j 10:28	0°♉29'02		
behind sun end	-6860 Jun 14 j 23:31	0°♉31'03		
morning rise	-6860 Jul 01 j 00:17	1°♉31'26		
retrograde	-6860 Sep 30 j 03:46	4°♉53'42		
opposition	-6860 Dec 12 j 08:03	2°♉51'34	0°07'54	
min. Earth dist.	-6860 Dec 13 j 10:57	2°♉48'38	17.25677 AU	
direct	-6859 Feb 26 j 20:58	0°♉44'48		
evening set	-6859 Jun 03 j 10:25	4°♉16'55		
conjunction	-6859 Jun 19 j 20:48	5°♉18'51	0°09'30	
minimum elong	-6859 Jun 19 j 20:48	5°♉18'51	0°09'44	
behind sun begin	-6859 Jun 19 j 15:19	5°♉18'00		
behind sun end	-6859 Jun 20 j 02:17	5°♉19'42		
max. Earth dist.	-6859 Jun 18 j 14:24	5°♉14'02	19.25314 AU	
morning rise	-6859 Jul 06 j 02:55	6°♉20'10		
retrograde	-6859 Oct 05 j 04:58	9°♉42'33		
opposition	-6859 Dec 17 j 10:21	7°♉40'32	0°13'07	
min. Earth dist.	-6859 Dec 18 j 11:57	7°♉37'44	17.25162 AU	
direct	-6858 Mar 04 j 01:39	5°♉33'49		
evening set	-6858 Jun 08 j 15:19	9°♉06'09		
max. Earth dist.	-6858 Jun 23 j 20:20	10°♉03'31	19.25051 AU	
conjunction	-6858 Jun 25 j 00:33	10°♉07'59	0°14'07	
minimum elong	-6858 Jun 25 j 00:33	10°♉07'59	0°14'24	
behind sun begin	-6858 Jun 24 j 21:32	10°♉07'31		
behind sun end	-6858 Jun 25 j 03:34	10°♉08'27		
morning rise	-6858 Jul 11 j 05:10	11°♉09'11		
retrograde	-6858 Oct 10 j 06:02	14°♉31'37		
opposition	-6858 Dec 22 j 13:18	12°♉29'42	0°18'15	
min. Earth dist.	-6858 Dec 23 j 14:28	12°♉26'58	17.25147 AU	
direct	-6857 Mar 09 j 07:04	10°♉23'06		
evening set	-6857 Jun 13 j 19:53	13°♉55'29		
max. Earth dist.	-6857 Jun 28 j 23:30	14°♉52'43	19.25288 AU	
conjunction	-6857 Jun 30 j 03:38	14°♉57'11	0°18'39	
minimum elong	-6857 Jun 30 j 03:37	14°♉57'10	0°18'56	
	-6857 Jun 30 j 21:28	15°♉		
morning rise	-6857 Jul 16 j 07:04	15°♉58'14		
retrograde	-6857 Oct 15 j 06:14	19°♉20'42		
opposition	-6857 Dec 27 j 16:25	17°♉18'50	0°23'14	
min. Earth dist.	-6857 Dec 28 j 16:19	17°♉16'15	17.25634 AU	
direct	-6856 Mar 13 j 12:38	15°♉12'19		
evening set	-6856 Jun 18 j 00:01	18°♉44'39		
max. Earth dist.	-6856 Jul 03 j 04:49	19°♉42'06	19.26019 AU	
conjunction	-6856 Jul 04 j 06:33	19°♉46'11	0°23'03	
minimum elong	-6856 Jul 04 j 06:33	19°♉46'11	0°23'22	
morning rise	-6856 Jul 20 j 08:33	20°♉47'05		
retrograde	-6856 Oct 19 j 06:49	24°♉09'27		
opposition	-6856 Dec 31 j 19:43	22°♉07'40	0°28'04	
min. Earth dist.	-6855 Jan 01 j 18:31	22°♉05'13	17.26601 AU	
direct	-6855 Mar 18 j 19:12	20°♉01'17		
evening set	-6855 Jun 23 j 03:47	23°♉33'23		
max. Earth dist.	-6855 Jul 08 j 07:42	24°♉30'45	19.27245 AU	
conjunction	-6855 Jul 09 j 08:48	24°♉34'44	0°27'16	
minimum elong	-6855 Jul 09 j 08:47	24°♉34'44	0°27'37	
morning rise	-6855 Jul 25 j 09:34	25°♉35'27		
retrograde	-6855 Oct 24 j 06:31	28°♉57'42		
opposition	-6854 Jan 05 j 23:19	26°♉55'58	0°32'40	
min. Earth dist.	-6854 Jan 06 j 20:51	26°♉53'39	17.28090 AU	
direct	-6854 Mar 24 j 00:28	24°♉49'41		
evening set	-6854 Jun 28 j 06:35	28°♉21'26		
max. Earth dist.	-6854 Jul 13 j 11:54	29°♉19'00	19.28999 AU	
conjunction	-6854 Jul 14 j 10:19	29°♉22'34	0°31'18	
minimum elong	-6854 Jul 14 j 10:19	29°♉22'34	0°31'40	
	-6854 Jul 24 j 06:10	0°♊		
morning rise	-6854 Jul 30 j 09:46	0°♊23'06		
retrograde	-6854 Oct 29 j 07:02	3°♊45'08		
opposition	-6853 Jan 11 j 02:56	1°♊43'27	0°37'02	
min. Earth dist.	-6853 Jan 11 j 22:23	1°♊41'22	17.30100 AU	
	-6853 Feb 27 j 06:53	30°℞♉		
direct	-6853 Mar 29 j 06:29	29°♉37'19		
	-6853 Apr 27 j 16:03	0°♊		
evening set	-6853 Jul 03 j 08:48	3°♊08'34		
conjunction	-6853 Jul 19 j 11:06	4°♊09'28	0°35'05	
minimum elong	-6853 Jul 19 j 11:06	4°♊09'28	0°35'29	
max. Earth dist.	-6853 Jul 18 j 14:13	4°♊06'09	19.31288 AU	
morning rise	-6853 Aug 04 j 09:22	5°♊09'47		
retrograde	-6853 Nov 03 j 06:21	8°♊31'35		
opposition	-6852 Jan 16 j 06:22	6°♊29'55	0°41'08	
min. Earth dist.	-6852 Jan 17 j 00:31	6°♊27'59	17.32681 AU	
direct	-6852 Apr 02 j 10:29	4°♊23'56		
evening set	-6852 Jul 07 j 10:07	7°♊54'35		
conjunction	-6852 Jul 23 j 11:09	8°♊55'15	0°38'37	
minimum elong	-6852 Jul 23 j 11:09	8°♊55'14	0°39'01	
max. Earth dist.	-6852 Jul 22 j 16:55	8°♊52'21	19.34160 AU	
morning rise	-6852 Aug 08 j 08:15	9°♊55'20		
retrograde	-6852 Nov 07 j 06:42	13°♊16'49		
opposition	-6851 Jan 20 j 09:46	11°♊15'13	0°44'55	
min. Earth dist.	-6851 Jan 21 j 01:03	11°♊13'35	17.35831 AU	
direct	-6851 Apr 07 j 15:37	9°♊09'26		
evening set	-6851 Jul 12 j 10:37	12°♊39'22		
conjunction	-6851 Jul 28 j 10:17	13°♊39'45	0°41'52	

Attention, astronomical year style is used: The year -6851 in astronomical counting style is the year 6852 BCE in historical counting style.

minimum elong	-6851 Jul 28 j 10:17	13°♊39'45	0°42'18
max. Earth dist.	-6851 Jul 27 j 18:28	13°♊37'14	19.37607 AU
morning rise	-6851 Aug 13 j 06:12	14°♊39'35	
retrograde	-6851 Nov 12 j 05:16	18°♊00'44	
opposition	-6850 Jan 25 j 13:08	15°♊59'12	0°48'23
min. Earth dist.	-6850 Jan 26 j 02:53	15°♊57'45	17.39586 AU
direct	-6850 Apr 12 j 18:37	13°♊53'42	
evening set	-6850 Jul 17 j 10:16	17°♊22'48	
conjunction	-6850 Aug 02 j 08:39	18°♊22'54	0°44'50
minimum elong	-6850 Aug 02 j 08:38	18°♊22'54	0°45'16
max. Earth dist.	-6850 Aug 01 j 19:23	18°♊20'48	19.41668 AU
morning rise	-6850 Aug 18 j 03:32	19°♊22'28	
retrograde	-6850 Nov 17 j 05:17	22°♊43'16	
opposition	-6849 Jan 30 j 16:07	20°♊41'50	0°51'31
min. Earth dist.	-6849 Jan 31 j 02:24	20°♊40'44	17.43932 AU
direct	-6849 Apr 17 j 23:09	18°♊36'38	
evening set	-6849 Jul 22 j 08:54	22°♊04'50	
conjunction	-6849 Aug 07 j 06:09	23°♊04'38	0°47'29
minimum elong	-6849 Aug 07 j 06:09	23°♊04'38	0°47'56
max. Earth dist.	-6849 Aug 06 j 19:51	23°♊03'01	19.46298 AU
morning rise	-6849 Aug 23 j 00:00	24°♊03'57	
retrograde	-6849 Nov 22 j 02:28	27°♊24'21	
opposition	-6848 Feb 04 j 18:54	25°♊23'03	0°54'17
min. Earth dist.	-6848 Feb 05 j 03:45	25°♊22'07	17.48834 AU
direct	-6848 Apr 22 j 01:32	23°♊18'14	
evening set	-6848 Jul 26 j 06:48	26°♊45'27	
conjunction	-6848 Aug 11 j 02:48	27°♊44'56	0°49'49
minimum elong	-6848 Aug 11 j 02:48	27°♊44'56	0°50'17
max. Earth dist.	-6848 Aug 10 j 18:39	27°♊43'39	19.51461 AU
morning rise	-6848 Aug 26 j 19:49	28°♊43'59	
	-6848 Sep 17 j 12:41	0°♋	
retrograde	-6848 Nov 26 j 01:28	2°♋03'57	
opposition	-6847 Feb 08 j 21:09	0°♋02'48	0°56'40
min. Earth dist.	-6847 Feb 09 j 02:30	0°♋02'14	17.54223 AU
	-6847 Feb 09 j 23:46	30°℞♊	
direct	-6847 Apr 27 j 05:17	27°♊58'23	
	-6847 Jul 06 j 17:27	0°♋	
evening set	-6847 Jul 31 j 03:44	1°♋24'34	
conjunction	-6847 Aug 15 j 22:44	2°♋23'44	0°51'48
minimum elong	-6847 Aug 15 j 22:44	2°♋23'44	0°52'15
max. Earth dist.	-6847 Aug 15 j 17:52	2°♋22'58	19.57070 AU
morning rise	-6847 Aug 31 j 14:48	3°♋22'30	
retrograde	-6847 Nov 30 j 21:32	6°♋42'02	
opposition	-6846 Feb 13 j 23:20	4°♋41'03	0°58'41
min. Earth dist.	-6846 Feb 14 j 03:18	4°♋40'38	17.60033 AU
direct	-6846 May 02 j 06:44	2°♋37'04	
evening set	-6846 Aug 04 j 23:44	6°♋02'06	
conjunction	-6846 Aug 20 j 17:36	7°♋00'57	0°53'27
minimum elong	-6846 Aug 20 j 17:36	7°♋00'57	0°53'55
max. Earth dist.	-6846 Aug 20 j 14:29	7°♋00'28	19.63064 AU
morning rise	-6846 Sep 05 j 09:04	7°♋59'26	
retrograde	-6846 Dec 05 j 19:29	11°♋18'30	
opposition	-6845 Feb 19 j 00:51	9°♋17'40	1°00'18
min. Earth dist.	-6845 Feb 19 j 01:29	9°♋17'36	17.66181 AU
direct	-6845 May 07 j 09:12	7°♋14'06	
evening set	-6845 Aug 09 j 18:49	10°♋37'57	
conjunction	-6845 Aug 25 j 11:53	11°♋36'29	0°54'44
minimum elong	-6845 Aug 25 j 11:53	11°♋36'29	0°55'11
max. Earth dist.	-6845 Aug 25 j 12:04	11°♋36'31	19.69344 AU
morning rise	-6845 Sep 10 j 02:33	12°♋34'42	
retrograde	-6845 Dec 10 j 14:10	15°♋53'14	
opposition	-6844 Feb 24 j 01:51	13°♋52'33	1°01'31
min. Earth dist.	-6844 Feb 24 j 01:13	13°♋52'37	17.72580 AU
direct	-6844 May 11 j 09:15	11°♋49'26	
evening set	-6844 Aug 13 j 13:08	15°♋12'02	
conjunction	-6844 Aug 29 j 05:11	16°♋10'14	0°55'40
minimum elong	-6844 Aug 29 j 05:11	16°♋10'14	0°56'07
max. Earth dist.	-6844 Aug 29 j 06:40	16°♋10'28	19.75846 AU
morning rise	-6844 Sep 13 j 19:25	17°♋08'10	
retrograde	-6844 Dec 14 j 10:56	20°♋26'09	
opposition	-6843 Feb 28 j 02:17	18°♋25'37	1°02'20
min. Earth dist.	-6843 Feb 27 j 22:37	18°♋25'59	17.79167 AU
direct	-6843 May 16 j 09:42	16°♋22'54	
evening set	-6843 Aug 18 j 06:12	19°♋44'12	
conjunction	-6843 Sep 02 j 21:38	20°♋42'05	0°56'14
minimum elong	-6843 Sep 02 j 21:38	20°♋42'05	0°56'41
max. Earth dist.	-6843 Sep 03 j 02:26	20°♋42'50	19.82495 AU
morning rise	-6843 Sep 18 j 11:14	21°♋39'44	
retrograde	-6843 Dec 19 j 04:25	24°♋57'10	
opposition	-6842 Mar 05 j 02:15	22°♋56'44	1°02'45
min. Earth dist.	-6842 Mar 04 j 21:08	22°♋57'16	17.85870 AU
direct	-6842 May 21 j 08:37	20°♋54'26	
evening set	-6842 Aug 22 j 22:32	24°♋14'23	
conjunction	-6842 Sep 07 j 13:08	25°♋11'57	0°56'27
minimum elong	-6842 Sep 07 j 13:08	25°♋11'57	0°56'53
max. Earth dist.	-6842 Sep 07 j 19:03	25°♋12'52	19.89249 AU
morning rise	-6842 Sep 23 j 02:33	26°♋09'20	
retrograde	-6842 Dec 23 j 23:26	29°♋26'10	
opposition	-6841 Mar 10 j 01:13	27°♋25'49	1°02'46
min. Earth dist.	-6841 Mar 09 j 17:23	27°♋26'37	17.92667 AU
direct	-6841 May 26 j 06:28	25°♋23'53	
evening set	-6841 Aug 27 j 13:36	28°♋42'27	
conjunction	-6841 Sep 12 j 03:50	29°♋39'44	0°56'19
minimum elong	-6841 Sep 12 j 03:50	29°♋39'44	0°56'46
max. Earth dist.	-6841 Sep 12 j 12:58	29°♋41'08	19.96071 AU
	-6841 Sep 17 j 15:14	0°♌	
morning rise	-6841 Sep 27 j 16:50	0°♌36'51	
retrograde	-6841 Dec 28 j 15:48	3°♌53'03	
opposition	-6840 Mar 13 j 23:30	1°♌52'46	1°02'25
min. Earth dist.	-6840 Mar 13 j 14:02	1°♌53'45	17.99508 AU
	-6840 May 11 j 11:23	30°℞♋	
direct	-6840 May 30 j 03:55	29°♋51'13	
	-6840 Jun 17 j 13:07	0°♌	
evening set	-6840 Aug 31 j 03:47	3°♌08'23	
conjunction	-6840 Sep 15 j 17:20	4°♌05'20	0°55'52
minimum elong	-6840 Sep 15 j 17:21	4°♌05'20	0°56'16
max. Earth dist.	-6840 Sep 16 j 03:37	4°♌06'55	20.02943 AU
morning rise	-6840 Oct 01 j 06:20	5°♌02'12	
retrograde	-6839 Jan 01 j 08:53	8°♌17'47	
opposition	-6839 Mar 18 j 20:55	6°♌17'33	1°01'41
min. Earth dist.	-6839 Mar 18 j 08:57	6°♌18'46	18.06415 AU
direct	-6839 Jun 03 j 23:02	4°♌16'20	
evening set	-6839 Sep 04 j 16:49	7°♌32'06	
conjunction	-6839 Sep 20 j 06:09	8°♌28'46	0°55'04
minimum elong	-6839 Sep 20 j 06:09	8°♌28'46	0°55'28
max. Earth dist.	-6839 Sep 20 j 19:48	8°♌30'51	20.09878 AU
morning rise	-6839 Oct 05 j 18:54	9°♌25'22	
retrograde	-6838 Jan 06 j 00:14	12°♌40'19	
opposition	-6838 Mar 23 j 17:31	10°♌40'07	1°00'37
min. Earth dist.	-6838 Mar 23 j 03:30	10°♌41'33	18.13382 AU
direct	-6838 Jun 08 j 18:59	8°♌39'17	
evening set	-6838 Sep 09 j 04:58	11°♌53'38	

Attention, astronomical year style is used: The year -6838 in astronomical counting style is the year 6839 BCE in historical counting style.

conjunction	-6838 Sep 24 j 17:50	12°♌50'01	0°53'59
minimum elong	-6838 Sep 24 j 17:50	12°♌50'01	0°54'20
max. Earth dist.	-6838 Sep 25 j 08:43	12°♌52'17	20.16884 AU
morning rise	-6838 Oct 10 j 06:47	13°♌46'23	
	-6838 Nov 01 j 02:00	15°♌	
retrograde	-6837 Jan 10 j 16:05	17°♌00'43	
opposition	-6837 Mar 28 j 13:12	15°♌00'34	0°59'12
min. Earth dist.	-6837 Mar 27 j 20:57	15°♌02'13	18.20435 AU
	-6837 Mar 28 j 18:43	15°℞♌	
direct	-6837 Jun 13 j 11:42	13°♌00'05	
	-6837 Aug 22 j 22:35	15°♌	
evening set	-6837 Sep 13 j 16:10	16°♌13'04	
conjunction	-6837 Sep 29 j 04:59	17°♌09'11	0°52'35
minimum elong	-6837 Sep 29 j 04:59	17°♌09'11	0°52'55
max. Earth dist.	-6837 Sep 29 j 23:03	17°♌11'55	20.23962 AU
morning rise	-6837 Oct 14 j 17:51	18°♌05'20	
retrograde	-6836 Jan 15 j 06:19	21°♌19'01	
opposition	-6836 Apr 01 j 07:49	19°♌18'58	0°57'29
min. Earth dist.	-6836 Mar 31 j 13:22	19°♌20'50	18.27538 AU
direct	-6836 Jun 17 j 05:46	17°♌18'54	
evening set	-6836 Sep 17 j 02:38	20°♌30'32	
conjunction	-6836 Oct 02 j 15:10	21°♌26'23	0°50'55
minimum elong	-6836 Oct 02 j 15:10	21°♌26'23	0°51'15
max. Earth dist.	-6836 Oct 03 j 10:20	21°♌29'17	20.31090 AU
morning rise	-6836 Oct 18 j 04:22	22°♌22'19	
retrograde	-6835 Jan 18 j 21:12	25°♌35'26	
min. Earth dist.	-6835 Apr 05 j 05:34	23°♌37'31	18.34688 AU
opposition	-6835 Apr 06 j 01:51	23°♌35'28	0°55'27
direct	-6835 Jun 21 j 20:38	21°♌35'48	
evening set	-6835 Sep 21 j 12:03	24°♌46'08	
conjunction	-6835 Oct 07 j 00:43	25°♌41'45	0°48'59
minimum elong	-6835 Oct 07 j 00:44	25°♌41'45	0°49'16
max. Earth dist.	-6835 Oct 07 j 22:51	25°♌45'05	20.38236 AU
morning rise	-6835 Oct 22 j 14:04	26°♌37'29	
retrograde	-6834 Jan 23 j 10:33	29°♌50'01	
opposition	-6834 Apr 10 j 19:01	27°♌50'10	0°53'08
min. Earth dist.	-6834 Apr 09 j 20:33	27°♌52'27	18.41808 AU
direct	-6834 Jun 26 j 13:00	25°♌50'58	
evening set	-6834 Sep 25 j 21:02	29°♌00'01	
conjunction	-6834 Oct 11 j 09:37	29°♌55'24	0°46'47
minimum elong	-6834 Oct 11 j 09:37	29°♌55'24	0°47'04
max. Earth dist.	-6834 Oct 12 j 08:35	29°♌58'50	20.45321 AU
	-6834 Oct 12 j 16:19	0°♍	
morning rise	-6834 Oct 26 j 23:29	0°♍50'57	
retrograde	-6833 Jan 28 j 00:20	4°♍02'57	
min. Earth dist.	-6833 Apr 14 j 11:42	2°♍05'36	18.48851 AU
opposition	-6833 Apr 15 j 11:18	2°♍03'13	0°50'33
direct	-6833 Jul 01 j 02:00	0°♍04'25	
evening set	-6833 Sep 30 j 05:11	3°♍12'15	
conjunction	-6833 Oct 15 j 18:04	4°♍07'26	0°44'22
minimum elong	-6833 Oct 15 j 18:05	4°♍07'26	0°44'36
max. Earth dist.	-6833 Oct 16 j 19:27	4°♍11'13	20.52288 AU
morning rise	-6833 Oct 31 j 08:13	5°♍02'48	
retrograde	-6832 Feb 01 j 12:27	8°♍14'15	
min. Earth dist.	-6832 Apr 18 j 01:19	6°♍17'14	18.55719 AU
opposition	-6832 Apr 19 j 02:50	6°♍14'40	0°47'42
direct	-6832 Jul 04 j 16:32	4°♍16'17	
evening set	-6832 Oct 03 j 12:51	7°♍22'56	
conjunction	-6832 Oct 19 j 01:46	8°♍17'54	0°41'42
minimum elong	-6832 Oct 19 j 01:46	8°♍17'54	0°41'55
max. Earth dist.	-6832 Oct 20 j 03:41	8°♍21'45	20.59044 AU
morning rise	-6832 Nov 03 j 16:31	9°♍13'07	
retrograde	-6831 Feb 05 j 00:37	12°♍24'05	
opposition	-6831 Apr 23 j 17:48	10°♍24'35	0°44'37
min. Earth dist.	-6831 Apr 22 j 15:45	10°♍27'12	18.62360 AU
direct	-6831 Jul 09 j 04:16	8°♍26'35	
evening set	-6831 Oct 07 j 19:55	11°♍32'07	
conjunction	-6831 Oct 23 j 09:17	12°♍26'54	0°38'51
minimum elong	-6831 Oct 23 j 09:17	12°♍26'54	0°39'02
max. Earth dist.	-6831 Oct 24 j 13:08	12°♍31'01	20.65536 AU
morning rise	-6831 Nov 08 j 00:27	13°♍21'57	
retrograde	-6830 Feb 09 j 12:03	16°♍32'25	
min. Earth dist.	-6830 Apr 27 j 04:09	14°♍35'48	18.68687 AU
opposition	-6830 Apr 28 j 07:49	14°♍33'01	0°41'19
direct	-6830 Jul 13 j 16:55	12°♍35'22	
evening set	-6830 Oct 12 j 02:38	15°♍39'49	
conjunction	-6830 Oct 27 j 16:13	16°♍34'25	0°35'48
minimum elong	-6830 Oct 27 j 16:13	16°♍34'25	0°35'56
max. Earth dist.	-6830 Oct 28 j 20:11	16°♍38'32	20.71679 AU
morning rise	-6830 Nov 12 j 08:11	17°♍29'21	
retrograde	-6829 Feb 13 j 22:22	20°♍39'21	
opposition	-6829 May 02 j 21:15	18°♍40'00	0°37'50
min. Earth dist.	-6829 May 01 j 17:41	18°♍42'46	18.74645 AU
direct	-6829 Jul 18 j 03:07	16°♍42'39	
evening set	-6829 Oct 16 j 08:45	19°♍46'03	
conjunction	-6829 Oct 31 j 22:54	20°♍40'31	0°32'34
minimum elong	-6829 Oct 31 j 22:54	20°♍40'31	0°32'42
max. Earth dist.	-6829 Nov 02 j 04:16	20°♍44'49	20.77425 AU
morning rise	-6829 Nov 16 j 15:22	21°♍35'19	
retrograde	-6828 Feb 18 j 09:08	24°♍44'50	
min. Earth dist.	-6828 May 05 j 04:47	22°♍48'25	18.80170 AU
opposition	-6828 May 06 j 09:42	22°♍45'32	0°34'10
direct	-6828 Jul 21 j 14:26	20°♍48'26	
evening set	-6828 Oct 19 j 14:31	23°♍50'50	
conjunction	-6828 Nov 04 j 05:02	24°♍45'10	0°29'13
minimum elong	-6828 Nov 04 j 05:02	24°♍45'10	0°29'18
max. Earth dist.	-6828 Nov 05 j 10:17	24°♍49'26	20.82735 AU
morning rise	-6828 Nov 19 j 22:23	25°♍39'52	
retrograde	-6827 Feb 21 j 17:51	28°♍48'56	
opposition	-6827 May 10 j 21:41	26°♍49'38	0°30'21
min. Earth dist.	-6827 May 09 j 17:11	26°♍52'28	18.85271 AU
direct	-6827 Jul 25 j 22:56	24°♍52'45	
evening set	-6827 Oct 23 j 19:35	27°♍54'12	
conjunction	-6827 Nov 08 j 10:50	28°♍48'24	0°25'43
minimum elong	-6827 Nov 08 j 10:50	28°♍48'24	0°25'47
max. Earth dist.	-6827 Nov 09 j 17:23	28°♍52'51	20.87624 AU
morning rise	-6827 Nov 24 j 04:53	29°♍43'01	
	-6827 Nov 29 j 05:43	0°♎	
retrograde	-6826 Feb 26 j 03:54	2°♎51'38	
min. Earth dist.	-6826 May 14 j 02:58	0°♎55'17	18.89943 AU
opposition	-6826 May 15 j 08:43	0°♎52'18	0°26'25
	-6826 Jun 06 j 23:08	30°℞♍	
direct	-6826 Jul 30 j 08:58	28°♍55'37	
	-6826 Sep 19 j 04:05	0°♎	
evening set	-6826 Oct 28 j 00:31	1°♎56'10	
conjunction	-6826 Nov 12 j 16:14	2°♎50'16	0°22'08
minimum elong	-6826 Nov 12 j 16:15	2°♎50'17	0°22'08
max. Earth dist.	-6826 Nov 13 j 22:35	2°♎54'40	20.92091 AU
morning rise	-6826 Nov 28 j 11:15	3°♎44'49	
retrograde	-6825 Mar 02 j 11:23	6°♎53'02	
opposition	-6825 May 19 j 18:59	4°♎53'40	0°22'23
min. Earth dist.	-6825 May 18 j 13:54	4°♎56'34	18.94227 AU

Attention, astronomical year style is used: The year -6825 in astronomical counting style is the year 6826 BCE in historical counting style.

direct	-6825 Aug 03 j 15:55	2°♎57'07	
evening set	-6825 Nov 01 j 04:54	5°♎56'52	
conjunction	-6825 Nov 16 j 21:26	6°♎50'54	0°18'27
minimum elong	-6825 Nov 16 j 21:26	6°♎50'54	0°18'27
max. Earth dist.	-6825 Nov 18 j 04:55	6°♎55'27	20.96190 AU
morning rise	-6825 Dec 02 j 17:11	7°♎45'23	
retrograde	-6824 Mar 05 j 20:36	10°♎53'13	
min. Earth dist.	-6824 May 21 j 22:09	8°♎56'52	18.98145 AU
opposition	-6824 May 23 j 04:33	8°♎53'50	0°18'15
direct	-6824 Aug 07 j 00:18	6°♎57'26	
evening set	-6824 Nov 04 j 09:01	9°♎56'27	
conjunction	-6824 Nov 20 j 02:07	10°♎50'25	0°14'42
minimum elong	-6824 Nov 20 j 02:07	10°♎50'25	0°14'39
behind sun begin	-6824 Nov 19 j 23:15	10°♎50'01	
behind sun end	-6824 Nov 20 j 05:00	10°♎50'49	
max. Earth dist.	-6824 Nov 21 j 09:24	10°♎54'55	20.99933 AU
morning rise	-6824 Dec 05 j 22:53	11°♎44'52	
retrograde	-6823 Mar 10 j 03:40	14°♎52'23	
min. Earth dist.	-6823 May 26 j 08:01	12°♎55'57	19.01730 AU
opposition	-6823 May 27 j 13:42	12°♎52'59	0°14'04
direct	-6823 Aug 11 j 06:01	10°♎56'44	
evening set	-6823 Nov 08 j 12:56	13°♎55'07	
conjunction	-6823 Nov 24 j 06:58	14°♎49'02	0°10'54
minimum elong	-6823 Nov 24 j 06:57	14°♎49'02	0°10'50
behind sun begin	-6823 Nov 24 j 01:55	14°♎48'20	
behind sun end	-6823 Nov 24 j 12:00	14°♎49'44	
max. Earth dist.	-6823 Nov 25 j 15:09	14°♎53'40	21.03351 AU
morning rise	-6823 Dec 10 j 04:32	15°♎43'28	
retrograde	-6822 Mar 14 j 12:24	18°♎50'42	
opposition	-6822 May 31 j 21:59	16°♎51'19	0°09'49
min. Earth dist.	-6822 May 30 j 15:12	16°♎54'23	19.04974 AU
direct	-6822 Aug 15 j 12:57	14°♎55'13	
evening set	-6822 Nov 12 j 16:52	17°♎53'03	
conjunction	-6822 Nov 28 j 11:34	18°♎46'57	0°07'04
minimum elong	-6822 Nov 28 j 11:34	18°♎46'57	0°06'58
behind sun begin	-6822 Nov 28 j 05:27	18°♎46'06	
behind sun end	-6822 Nov 28 j 17:40	18°♎47'48	
max. Earth dist.	-6822 Nov 29 j 19:13	18°♎51'29	21.06415 AU
morning rise	-6822 Dec 14 j 10:14	19°♎41'22	
retrograde	-6821 Mar 18 j 19:24	22°♎48'24	
min. Earth dist.	-6821 Jun 04 j 00:16	20°♎52'00	19.07861 AU
opposition	-6821 Jun 05 j 05:59	20°♎49'01	0°05'32
direct	-6821 Aug 19 j 17:18	18°♎53'05	
evening set	-6821 Nov 16 j 20:30	21°♎50'27	
conjunction	-6821 Dec 02 j 16:10	22°♎44'20	0°03'12
minimum elong	-6821 Dec 02 j 16:10	22°♎44'20	0°03'03
behind sun begin	-6821 Dec 02 j 09:37	22°♎43'26	
behind sun end	-6821 Dec 02 j 22:44	22°♎45'15	
max. Earth dist.	-6821 Dec 04 j 00:25	22°♎48'57	21.09114 AU
morning rise	-6821 Dec 18 j 15:41	23°♎38'46	
retrograde	-6820 Mar 22 j 03:47	26°♎45'37	
min. Earth dist.	-6820 Jun 07 j 06:52	24°♎49'21	19.10355 AU
opposition	-6820 Jun 08 j 13:22	24°♎46'18	0°01'15
direct	-6820 Aug 22 j 23:29	22°♎50'30	
desc. node	-6820 Sep 22 j 04:02	23°♎13'54	
evening set	-6820 Nov 20 j 00:25	25°♎47'30	
conjunction	-6820 Dec 05 j 20:48	26°♎41'23	-0°00'48
minimum elong	-6820 Dec 05 j 20:50	26°♎41'23	0°00'57
behind sun begin	-6820 Dec 05 j 14:14	26°♎40'29	
behind sun end	-6820 Dec 06 j 03:25	26°♎42'18	
max. Earth dist.	-6820 Dec 07 j 04:15	26°♎45'52	21.11401 AU
morning rise	-6820 Dec 21 j 21:27	27°♎35'51	
	-6819 Feb 11 j 23:07	0°♏	
retrograde	-6819 Mar 26 j 10:46	0°♏42'35	
	-6819 May 09 j 02:20	30°℞♎	
opposition	-6819 Jun 12 j 20:33	28°♎43'18	-0°03'04
min. Earth dist.	-6819 Jun 11 j 15:35	28°♎46'12	19.12430 AU
direct	-6819 Aug 27 j 02:38	26°♎47'37	
evening set	-6819 Nov 24 j 04:16	29°♎44'19	
	-6819 Nov 28 j 20:24	0°♏	
conjunction	-6819 Dec 10 j 01:46	0°♏38'15	-0°04'43
minimum elong	-6819 Dec 10 j 01:45	0°♏38'15	0°04'55
behind sun begin	-6819 Dec 09 j 19:19	0°♏37'21	
behind sun end	-6819 Dec 10 j 08:11	0°♏39'08	
max. Earth dist.	-6819 Dec 11 j 09:19	0°♏42'44	21.13250 AU
morning rise	-6819 Dec 26 j 03:18	1°♏32'45	
retrograde	-6818 Mar 30 j 19:29	4°♏39'23	
min. Earth dist.	-6818 Jun 15 j 22:00	2°♏43'04	19.14024 AU
opposition	-6818 Jun 17 j 03:14	2°♏40'09	-0°07'21
direct	-6818 Aug 31 j 08:27	0°♏44'34	
evening set	-6818 Nov 28 j 08:35	3°♏41'04	
conjunction	-6818 Dec 14 j 06:51	4°♏35'01	-0°08'34
minimum elong	-6818 Dec 14 j 06:51	4°♏35'01	0°08'47
behind sun begin	-6818 Dec 14 j 01:08	4°♏34'14	
behind sun end	-6818 Dec 14 j 12:34	4°♏35'49	
max. Earth dist.	-6818 Dec 15 j 13:03	4°♏39'19	21.14580 AU
morning rise	-6818 Dec 30 j 09:30	5°♏29'35	
retrograde	-6817 Apr 04 j 02:14	8°♏36'10	
min. Earth dist.	-6817 Jun 20 j 06:31	6°♏39'41	19.15087 AU
opposition	-6817 Jun 21 j 09:41	6°♏36'57	-0°11'36
direct	-6817 Sep 04 j 11:05	4°♏41'25	
evening set	-6817 Dec 02 j 12:55	7°♏37'47	
conjunction	-6817 Dec 18 j 12:17	8°♏31'48	-0°12'22
minimum elong	-6817 Dec 18 j 12:17	8°♏31'48	0°12'38
behind sun begin	-6817 Dec 18 j 08:04	8°♏31'13	
behind sun end	-6817 Dec 18 j 16:31	8°♏32'23	
max. Earth dist.	-6817 Dec 19 j 18:04	8°♏36'02	21.15364 AU
morning rise	-6816 Jan 03 j 15:51	9°♏26'26	
retrograde	-6816 Apr 07 j 11:07	12°♏33'00	
opposition	-6816 Jun 24 j 15:52	10°♏33'46	-0°15'48
min. Earth dist.	-6816 Jun 23 j 12:49	10°♏36'29	19.15573 AU
direct	-6816 Sep 07 j 16:35	8°♏38'15	
evening set	-6816 Dec 05 j 17:32	11°♏34'31	
conjunction	-6816 Dec 21 j 17:46	12°♏28'38	-0°16'08
minimum elong	-6816 Dec 21 j 17:46	12°♏28'38	0°16'24
max. Earth dist.	-6816 Dec 22 j 21:46	12°♏32'36	21.15544 AU
morning rise	-6815 Jan 06 j 22:29	13°♏23'21	
	-6815 Feb 07 j 17:44	15°♏	
retrograde	-6815 Apr 11 j 18:06	16°♏29'55	
	-6815 Jun 16 j 14:44	15°℞♏	
opposition	-6815 Jun 28 j 22:02	14°♏30'38	-0°19'55
min. Earth dist.	-6815 Jun 27 j 21:19	14°♏33'08	19.15448 AU
direct	-6815 Sep 11 j 19:40	12°♏35'03	
	-6815 Nov 30 j 07:23	15°♏	
evening set	-6815 Dec 09 j 22:25	15°♏31'19	
conjunction	-6815 Dec 25 j 23:49	16°♏25'31	-0°19'49
minimum elong	-6815 Dec 25 j 23:49	16°♏25'31	0°20'06
max. Earth dist.	-6815 Dec 27 j 02:58	16°♏29'22	21.15120 AU
morning rise	-6814 Jan 11 j 05:29	17°♏20'20	
retrograde	-6814 Apr 16 j 02:42	20°♏26'54	
min. Earth dist.	-6814 Jul 02 j 03:21	18°♏30'00	19.14711 AU
opposition	-6814 Jul 03 j 03:39	18°♏27'33	-0°23'56
direct	-6814 Sep 16 j 00:48	16°♏31'51	

Attention, astronomical year style is used: The year -6814 in astronomical counting style is the year 6815 BCE in historical counting style.

evening set	-6814 Dec 14 j 03:40	19°♏28'10		
conjunction	-6814 Dec 30 j 05:59	20°♏22'29	-0°23'24	
minimum elong	-6814 Dec 30 j 05:59	20°♏22'29	0°23'43	
max. Earth dist.	-6814 Dec 31 j 07:05	20°♏26'02	21.14087 AU	
morning rise	-6813 Jan 15 j 12:46	21°♏17'25		
retrograde	-6813 Apr 20 j 09:53	24°♏24'01		
min. Earth dist.	-6813 Jul 06 j 11:28	22°♏26'45	19.13394 AU	
opposition	-6813 Jul 07 j 09:19	22°♏24'33	-0°27'51	
direct	-6813 Sep 20 j 04:12	20°♏28'42		
evening set	-6813 Dec 18 j 08:55	23°♏25'07		
conjunction	-6812 Jan 03 j 12:23	24°♏19'34	-0°26'53	
minimum elong	-6812 Jan 03 j 12:23	24°♏19'34	0°27'13	
max. Earth dist.	-6812 Jan 04 j 12:38	24°♏23'00	21.12508 AU	
morning rise	-6812 Jan 19 j 20:04	25°♏14'37		
retrograde	-6812 Apr 23 j 18:19	28°♏21'18		
opposition	-6812 Jul 10 j 14:39	26°♏21'42	-0°31'37	
min. Earth dist.	-6812 Jul 09 j 17:10	26°♏23'52	19.11554 AU	
direct	-6812 Sep 23 j 09:07	24°♏25'39		
evening set	-6812 Dec 21 j 14:46	27°♏22'17		
conjunction	-6811 Jan 06 j 19:09	28°♏16'51	-0°30'13	
minimum elong	-6811 Jan 06 j 19:08	28°♏16'51	0°30'36	
max. Earth dist.	-6811 Jan 07 j 17:26	28°♏20'01	21.10425 AU	
morning rise	-6811 Jan 23 j 03:56	29°♏12'03		
	-6811 Feb 07 j 02:33	0°♐		
retrograde	-6811 Apr 28 j 01:21	2°♐18'51		
opposition	-6811 Jul 14 j 19:58	0°♐19'06	-0°35'15	
min. Earth dist.	-6811 Jul 14 j 00:54	0°♐21'02	19.09249 AU	
	-6811 Jul 22 j 16:52	30°℞♏		
direct	-6811 Sep 27 j 12:37	28°♏22'51		
	-6811 Nov 30 j 02:10	0°♐		
evening set	-6811 Dec 25 j 20:54	1°♐19'45		
conjunction	-6810 Jan 11 j 02:28	2°♐14'30	-0°33'26	
minimum elong	-6810 Jan 11 j 02:28	2°♐14'30	0°33'48	
max. Earth dist.	-6810 Jan 11 j 23:47	2°♐17'31	21.07912 AU	
morning rise	-6810 Jan 27 j 12:11	3°♐09'51		
retrograde	-6810 May 02 j 10:42	6°♐16'48		
min. Earth dist.	-6810 Jul 18 j 06:27	4°♐18'49	19.06524 AU	
opposition	-6810 Jul 19 j 01:07	4°♐16'55	-0°38'43	
direct	-6810 Oct 01 j 17:43	2°♐20'27		
evening set	-6810 Dec 30 j 03:40	5°♐17'44		
conjunction	-6809 Jan 15 j 10:07	6°♐12'39	-0°36'29	
minimum elong	-6809 Jan 15 j 10:07	6°♐12'39	0°36'53	
max. Earth dist.	-6809 Jan 16 j 05:24	6°♐15'23	21.04983 AU	
morning rise	-6809 Jan 31 j 20:50	7°♐08'10		
retrograde	-6809 May 06 j 17:37	10°♐15'19		
opposition	-6809 Jul 23 j 06:23	8°♐15'20	-0°42'00	
min. Earth dist.	-6809 Jul 22 j 14:09	8°♐16'59	19.03413 AU	
direct	-6809 Oct 05 j 21:05	6°♐18'38		
evening set	-6808 Jan 03 j 10:46	9°♐16'23		
conjunction	-6808 Jan 19 j 18:23	10°♐11'30	-0°39'22	
minimum elong	-6808 Jan 19 j 18:23	10°♐11'30	0°39'47	
max. Earth dist.	-6808 Jan 20 j 12:33	10°♐14'04	21.01703 AU	
morning rise	-6808 Feb 05 j 05:57	11°♐07'11		
retrograde	-6808 May 10 j 04:03	14°♐14'36		
opposition	-6808 Jul 26 j 11:39	12°♐14'31	-0°45'06	
min. Earth dist.	-6808 Jul 25 j 19:53	12°♐16'08	18.99953 AU	
direct	-6808 Oct 09 j 02:35	10°♐17'36		
evening set	-6807 Jan 06 j 18:33	13°♐15'54		
conjunction	-6807 Jan 23 j 03:06	14°♐11'13	-0°42'05	
minimum elong	-6807 Jan 23 j 03:06	14°♐11'13	0°42'30	
max. Earth dist.	-6807 Jan 23 j 19:11	14°♐13'30	20.98067 AU	
morning rise	-6807 Feb 08 j 15:40	15°♐07'07		
retrograde	-6807 May 14 j 11:42	18°♐14'50		
opposition	-6807 Jul 30 j 17:17	16°♐14'40	-0°48'00	
min. Earth dist.	-6807 Jul 30 j 04:06	16°♐16'02	18.96143 AU	
direct	-6807 Oct 13 j 05:55	14°♐17'32		
evening set	-6806 Jan 11 j 03:02	17°♐16'29		
conjunction	-6806 Jan 27 j 12:44	18°♐12'02	-0°44'36	
minimum elong	-6806 Jan 27 j 12:43	18°♐12'02	0°45'03	
max. Earth dist.	-6806 Jan 28 j 03:19	18°♐14'06	20.94093 AU	
morning rise	-6806 Feb 13 j 02:06	19°♐08'07		
retrograde	-6806 May 18 j 22:59	22°♐16'11		
opposition	-6806 Aug 03 j 22:49	20°♐15'58	-0°50'41	
min. Earth dist.	-6806 Aug 03 j 10:29	20°♐17'14	18.91985 AU	
direct	-6806 Oct 17 j 12:18	18°♐18'36		
evening set	-6805 Jan 15 j 12:24	21°♐18'17		
conjunction	-6805 Jan 31 j 22:58	22°♐14'04	-0°46'55	
minimum elong	-6805 Jan 31 j 22:58	22°♐14'04	0°47'21	
max. Earth dist.	-6805 Feb 01 j 11:11	22°♐15'49	20.89750 AU	
morning rise	-6805 Feb 17 j 13:12	23°♐10'23		
retrograde	-6805 May 23 j 07:46	26°♐18'50		
opposition	-6805 Aug 08 j 04:56	24°♐18'35	-0°53'08	
min. Earth dist.	-6805 Aug 07 j 19:27	24°♐19'34	18.87458 AU	
direct	-6805 Oct 21 j 16:12	22°♐20'58		
evening set	-6804 Jan 19 j 22:17	25°♐21'28		
conjunction	-6804 Feb 05 j 09:54	26°♐17'30	-0°49'01	
minimum elong	-6804 Feb 05 j 09:54	26°♐17'30	0°49'28	
max. Earth dist.	-6804 Feb 05 j 20:16	26°♐18'59	20.85041 AU	
morning rise	-6804 Feb 22 j 00:54	27°♐14'02		
	-6804 Apr 26 j 04:01	0°♑		
retrograde	-6804 May 26 j 19:51	0°♑22'56		
	-6804 Jun 26 j 14:44	30°℞♐		
opposition	-6804 Aug 11 j 11:14	28°♐22'37	-0°55'20	
min. Earth dist.	-6804 Aug 11 j 02:52	28°♐23'29	18.82544 AU	
direct	-6804 Oct 24 j 23:34	26°♐24'44		
evening set	-6803 Jan 23 j 09:19	29°♐26'08		
	-6803 Feb 02 j 09:00	0°♑		
conjunction	-6803 Feb 08 j 21:49	0°♑22'25	-0°50'52	
minimum elong	-6803 Feb 08 j 21:48	0°♑22'25	0°51'19	
max. Earth dist.	-6803 Feb 09 j 05:29	0°♑23'31	20.79913 AU	
morning rise	-6803 Feb 25 j 13:34	1°♑19'12		
retrograde	-6803 May 31 j 05:52	4°♑28'33		
opposition	-6803 Aug 15 j 17:59	2°♑28'10	-0°57'15	
min. Earth dist.	-6803 Aug 15 j 12:46	2°♑28'42	18.77207 AU	
direct	-6803 Oct 29 j 04:56	0°♑29'58		
evening set	-6802 Jan 27 j 21:11	3°♑32'18		
conjunction	-6802 Feb 13 j 10:40	4°♑28'52	-0°52'28	
minimum elong	-6802 Feb 13 j 10:40	4°♑28'52	0°52'55	
max. Earth dist.	-6802 Feb 13 j 15:50	4°♑29'37	20.74370 AU	
morning rise	-6802 Mar 02 j 03:07	5°♑25'53		
retrograde	-6802 Jun 04 j 18:37	8°♑35'42		
opposition	-6802 Aug 20 j 01:07	6°♑35'13	-0°58'54	
min. Earth dist.	-6802 Aug 19 j 21:16	6°♑35'37	18.71444 AU	
direct	-6802 Nov 02 j 13:13	4°♑36'40		
evening set	-6801 Feb 01 j 09:51	7°♑40'00		
conjunction	-6801 Feb 18 j 00:09	8°♑36'51	-0°53'48	
minimum elong	-6801 Feb 18 j 00:09	8°♑36'51	0°54'15	
max. Earth dist.	-6801 Feb 18 j 02:33	8°♑37'11	20.68389 AU	
morning rise	-6801 Mar 06 j 17:11	9°♑34'06		
retrograde	-6801 Jun 09 j 05:35	12°♑44'24		
opposition	-6801 Aug 24 j 08:47	10°♑43'47	-1°00'14	

Attention, astronomical year style is used: The year -6801 in astronomical counting style is the year 6802 BCE in historical counting style.

min. Earth dist.	-6801 Aug 24 j 08:00	10°♉43'52	18.65266 AU
direct	-6801 Nov 06 j 20:40	8°♉44'51	
evening set	-6800 Feb 05 j 23:17	11°♉49'12	
conjunction	-6800 Feb 22 j 14:29	12°♉46'21	-0°54'51
minimum elong	-6800 Feb 22 j 14:29	12°♉46'21	0°55'18
max. Earth dist.	-6800 Feb 22 j 14:15	12°♉46'19	20.62040 AU
morning rise	-6800 Mar 10 j 08:09	13°♉43'52	
retrograde	-6800 Jun 12 j 18:30	16°♉54'39	
opposition	-6800 Aug 27 j 16:42	14°♉53'52	-1°01'16
min. Earth dist.	-6800 Aug 27 j 17:16	14°♉53'49	18.58746 AU
direct	-6800 Nov 10 j 05:55	12°♉54'30	
evening set	-6799 Feb 09 j 13:35	15°♉59'57	
conjunction	-6799 Feb 26 j 05:37	16°♉57'23	-0°55'37
minimum elong	-6799 Feb 26 j 05:37	16°♉57'23	0°56'05
max. Earth dist.	-6799 Feb 26 j 02:54	16°♉56'59	20.55363 AU
morning rise	-6799 Mar 14 j 23:47	17°♉55'09	
retrograde	-6799 Jun 17 j 06:35	21°♉06'26	
opposition	-6799 Sep 01 j 01:15	19°♉05'29	-1°01'59
min. Earth dist.	-6799 Sep 01 j 04:44	19°♉05'07	18.51936 AU
direct	-6799 Nov 14 j 15:02	17°♉05'40	
evening set	-6798 Feb 14 j 04:48	20°♉12'15	
conjunction	-6798 Mar 02 j 21:33	21°♉09'59	-0°56'06
minimum elong	-6798 Mar 02 j 21:33	21°♉09'59	0°56'32
max. Earth dist.	-6798 Mar 02 j 16:09	21°♉09'12	20.48450 AU
morning rise	-6798 Mar 19 j 16:14	22°♉08'00	
retrograde	-6798 Jun 21 j 20:10	25°♉19'48	
opposition	-6798 Sep 05 j 10:05	23°♉18'41	-1°02'22
min. Earth dist.	-6798 Sep 05 j 14:51	23°♉18'11	18.44928 AU
direct	-6798 Nov 19 j 01:50	21°♉18'23	
evening set	-6797 Feb 18 j 20:49	24°♉26'10	
conjunction	-6797 Mar 07 j 14:17	25°♉24'12	-0°56'17
minimum elong	-6797 Mar 07 j 14:17	25°♉24'12	0°56'43
max. Earth dist.	-6797 Mar 07 j 06:52	25°♉23'07	20.41360 AU
morning rise	-6797 Mar 24 j 09:15	26°♉22'29	
retrograde	-6797 Jun 26 j 09:15	29°♉34'49	
opposition	-6797 Sep 09 j 19:42	27°♉33'32	-1°02'25
min. Earth dist.	-6797 Sep 10 j 03:02	27°♉32'45	18.37789 AU
direct	-6797 Nov 23 j 11:49	25°♉32'46	
evening set	-6796 Feb 23 j 13:33	28°♉41'46	
conjunction	-6796 Mar 11 j 07:37	29°♉40'07	-0°56'09
minimum elong	-6796 Mar 11 j 07:37	29°♉40'07	0°56'33
max. Earth dist.	-6796 Mar 10 j 21:35	29°♉38'39	20.34192 AU
	-6796 Mar 16 j 23:37	0°♒	
morning rise	-6796 Mar 28 j 03:01	0°♒38'39	
retrograde	-6796 Jun 30 j 00:29	3°♒51'34	
opposition	-6796 Sep 13 j 05:48	1°♒50'07	-1°02'07
min. Earth dist.	-6796 Sep 13 j 14:19	1°♒49'12	18.30599 AU
	-6796 Nov 06 j 08:22	30°℞♉	
direct	-6796 Nov 27 j 00:11	29°♉48'53	
	-6796 Dec 17 j 11:10	0°♒	
evening set	-6795 Feb 27 j 07:22	2°♒59'10	
conjunction	-6795 Mar 16 j 02:05	3°♒57'50	-0°55'43
minimum elong	-6795 Mar 16 j 02:05	3°♒57'50	0°56'06
max. Earth dist.	-6795 Mar 15 j 14:23	3°♒56'07	20.26984 AU
morning rise	-6795 Apr 01 j 21:35	4°♒56'38	
retrograde	-6795 Jul 04 j 14:58	8°♒10'06	
opposition	-6795 Sep 17 j 16:36	6°♒08'33	-1°01'29
min. Earth dist.	-6795 Sep 18 j 03:30	6°♒07'23	18.23400 AU
direct	-6795 Dec 01 j 11:25	4°♒06'52	
evening set	-6794 Mar 04 j 02:13	7°♒18'30	

conjunction	-6794 Mar 20 j 21:19	8°♒17'27	-0°54'57
minimum elong	-6794 Mar 20 j 21:19	8°♒17'27	0°55'21
max. Earth dist.	-6794 Mar 20 j 06:50	8°♒15'19	20.19810 AU
morning rise	-6794 Apr 06 j 17:07	9°♒16'31	
retrograde	-6794 Jul 09 j 07:50	12°♒30'36	
opposition	-6794 Sep 22 j 04:09	10°♒28'55	-1°00'29
min. Earth dist.	-6794 Sep 22 j 16:15	10°♒27'38	18.16256 AU
direct	-6794 Dec 06 j 01:00	8°♒26'50	
evening set	-6793 Mar 08 j 21:46	11°♒39'49	
conjunction	-6793 Mar 25 j 17:23	12°♒39'05	-0°53'53
minimum elong	-6793 Mar 25 j 17:23	12°♒39'05	0°54'15
max. Earth dist.	-6793 Mar 25 j 01:41	12°♒36'45	20.12690 AU
morning rise	-6793 Apr 11 j 13:05	13°♒38'24	
	-6793 May 06 j 13:41	15°♒	
retrograde	-6793 Jul 14 j 00:26	16°♒53'06	
	-6793 Sep 23 j 08:10	15°℞♒	
opposition	-6793 Sep 26 j 16:34	14°♒51'22	-0°59'09
min. Earth dist.	-6793 Sep 27 j 06:46	14°♒49'50	18.09177 AU
direct	-6793 Dec 10 j 14:01	12°♒48'54	
	-6792 Feb 22 j 18:35	15°♒	
evening set	-6792 Mar 12 j 18:31	16°♒03'16	
conjunction	-6792 Mar 29 j 14:21	17°♒02'49	-0°52'30
minimum elong	-6792 Mar 29 j 14:21	17°♒02'49	0°52'51
max. Earth dist.	-6792 Mar 28 j 19:43	17°♒00'03	20.05665 AU
morning rise	-6792 Apr 15 j 10:12	18°♒02'25	
retrograde	-6792 Jul 17 j 18:36	21°♒17'44	
opposition	-6792 Sep 30 j 05:35	19°♒15'57	-0°57'26
min. Earth dist.	-6792 Sep 30 j 21:14	19°♒14'16	18.02199 AU
direct	-6792 Dec 14 j 04:47	17°♒13'05	
evening set	-6791 Mar 17 j 16:13	20°♒28'53	
conjunction	-6791 Apr 03 j 12:27	21°♒28'45	-0°50'47
minimum elong	-6791 Apr 03 j 12:27	21°♒28'45	0°51'06
max. Earth dist.	-6791 Apr 02 j 16:43	21°♒25'48	19.98717 AU
morning rise	-6791 Apr 20 j 08:02	22°♒28'35	
retrograde	-6791 Jul 22 j 13:20	25°♒44'32	
opposition	-6791 Oct 04 j 19:39	23°♒42'43	-0°55'22
min. Earth dist.	-6791 Oct 05 j 13:20	23°♒40'48	17.95286 AU
direct	-6791 Dec 18 j 20:00	21°♒39'30	
evening set	-6790 Mar 22 j 15:03	24°♒56'43	
conjunction	-6790 Apr 08 j 11:15	25°♒56'52	-0°48'44
minimum elong	-6790 Apr 08 j 11:15	25°♒56'52	0°49'01
max. Earth dist.	-6790 Apr 07 j 12:18	25°♒53'25	19.91841 AU
morning rise	-6790 Apr 25 j 06:46	26°♒56'56	
	-6790 Jul 04 j 21:59	0°♓	
retrograde	-6790 Jul 27 j 08:26	0°♓13'31	
	-6790 Aug 18 j 20:59	30°℞♒	
opposition	-6790 Oct 09 j 10:33	28°♒11'39	-0°52'57
min. Earth dist.	-6790 Oct 10 j 05:53	28°♒09'33	17.88453 AU
direct	-6790 Dec 23 j 12:41	26°♒08'03	
evening set	-6789 Mar 27 j 14:37	29°♒26'41	
	-6789 Apr 05 j 22:53	0°♓	
max. Earth dist.	-6789 Apr 12 j 11:09	0°♓23'31	19.85033 AU
conjunction	-6789 Apr 13 j 11:02	0°♓27'07	-0°46'23
minimum elong	-6789 Apr 13 j 11:02	0°♓27'07	0°46'39
morning rise	-6789 Apr 30 j 06:04	1°♓27'24	
retrograde	-6789 Aug 01 j 04:43	4°♓44'35	
opposition	-6789 Oct 14 j 02:23	2°♓42'39	-0°50'10
min. Earth dist.	-6789 Oct 14 j 23:25	2°♓40'22	17.81685 AU
direct	-6789 Dec 28 j 06:14	0°♓38'42	
evening set	-6788 Mar 31 j 15:08	3°♓58'41	
max. Earth dist.	-6788 Apr 16 j 08:17	4°♓55'17	19.78312 AU

Attention, astronomical year style is used: The year -6788 in astronomical counting style is the year 6789 BCE in historical counting style.

conjunction	-6788 Apr 17 j 11:22	4°♓59'23	-0°43'43
minimum elong	-6788 Apr 17 j 11:22	4°♓59'23	0°43'56
morning rise	-6788 May 04 j 06:11	5°♓59'54	
retrograde	-6788 Aug 05 j 00:24	9°♓17'40	
opposition	-6788 Oct 17 j 19:06	7°♓15'39	-0°47'04
min. Earth dist.	-6788 Oct 18 j 17:53	7°♓13'10	17.75024 AU
direct	-6787 Jan 01 j 01:05	5°♓11'17	
evening set	-6787 Apr 05 j 16:26	8°♓32'39	
max. Earth dist.	-6787 Apr 21 j 08:56	9°♓29'22	19.71709 AU
conjunction	-6787 Apr 22 j 12:42	9°♓33'35	-0°40'45
minimum elong	-6787 Apr 22 j 12:42	9°♓33'35	0°40'58
morning rise	-6787 May 09 j 06:53	10°♓34'17	
retrograde	-6787 Aug 09 j 21:43	13°♓52'36	
opposition	-6787 Oct 22 j 12:35	11°♓50'30	-0°43'38
min. Earth dist.	-6787 Oct 23 j 12:35	11°♓47'53	17.68497 AU
direct	-6786 Jan 05 j 20:56	9°♓45'46	
evening set	-6786 Apr 10 j 18:37	13°♓08'25	
max. Earth dist.	-6786 Apr 26 j 07:58	14°♓04'56	19.65287 AU
conjunction	-6786 Apr 27 j 14:27	14°♓09'35	-0°37'31
minimum elong	-6786 Apr 27 j 14:27	14°♓09'35	0°37'41
morning rise	-6786 May 14 j 08:10	15°♓10'28	
retrograde	-6786 Aug 14 j 18:04	18°♓29'19	
opposition	-6786 Oct 27 j 07:01	16°♓27'07	-0°39'54
min. Earth dist.	-6786 Oct 28 j 08:39	16°♓24'19	17.62204 AU
direct	-6785 Jan 10 j 17:48	14°♓21'59	
evening set	-6785 Apr 15 j 21:02	17°♓45'54	
max. Earth dist.	-6785 May 01 j 10:02	18°♓42'34	19.59129 AU
conjunction	-6785 May 02 j 16:40	18°♓47'16	-0°34'02
minimum elong	-6785 May 02 j 16:40	18°♓47'16	0°34'10
morning rise	-6785 May 19 j 09:37	19°♓48'19	
retrograde	-6785 Aug 19 j 16:10	23°♓07'39	
opposition	-6785 Nov 01 j 02:10	21°♓05'22	-0°35'53
min. Earth dist.	-6785 Nov 02 j 04:17	21°♓02'30	17.56200 AU
direct	-6784 Jan 15 j 15:53	18°♓59'53	
evening set	-6784 Apr 20 j 00:19	22°♓24'59	
max. Earth dist.	-6784 May 05 j 10:48	23°♓21'32	19.53302 AU
conjunction	-6784 May 06 j 19:22	23°♓26'32	-0°30'18
minimum elong	-6784 May 06 j 19:22	23°♓26'32	0°30'24
morning rise	-6784 May 23 j 11:39	24°♓27'43	
retrograde	-6784 Aug 23 j 12:58	27°♓47'32	
opposition	-6784 Nov 04 j 22:03	25°♓45'09	-0°31'37
min. Earth dist.	-6784 Nov 06 j 01:40	25°♓42'07	17.50582 AU
direct	-6783 Jan 19 j 14:27	23°♓39'19	
evening set	-6783 Apr 25 j 04:00	27°♓05'34	
conjunction	-6783 May 11 j 22:35	28°♓07'17	-0°26'21
minimum elong	-6783 May 11 j 22:36	28°♓07'17	0°26'24
max. Earth dist.	-6783 May 10 j 14:06	28°♓02'16	19.47897 AU
morning rise	-6783 May 28 j 13:59	29°♓08'35	
	-6783 Jun 12 j 05:18	0°♈	
retrograde	-6783 Aug 28 j 12:06	2°♈28'50	
opposition	-6783 Nov 09 j 18:50	0°♈26'23	-0°27'07
min. Earth dist.	-6783 Nov 10 j 22:13	0°♈23'23	17.45406 AU
	-6783 Nov 19 j 21:26	30°℞♓	
direct	-6782 Jan 24 j 14:57	28°♓20'16	
	-6782 Mar 28 j 23:36	0°♈	
evening set	-6782 Apr 30 j 08:07	1°♈47'35	
max. Earth dist.	-6782 May 15 j 16:33	2°♈44'15	19.42968 AU
conjunction	-6782 May 17 j 01:56	2°♈49'26	-0°22'13
minimum elong	-6782 May 17 j 01:56	2°♈49'26	0°22'15
morning rise	-6782 Jun 02 j 16:22	3°♈50'49	
retrograde	-6782 Sep 02 j 09:43	7°♈11'30	
opposition	-6782 Nov 14 j 16:30	5°♈09'00	-0°22'25
min. Earth dist.	-6782 Nov 15 j 20:59	5°♈05'53	17.40759 AU
direct	-6781 Jan 29 j 15:00	3°♈02'38	
evening set	-6781 May 05 j 12:32	6°♈30'57	
max. Earth dist.	-6781 May 20 j 20:30	7°♈27'45	19.38606 AU
conjunction	-6781 May 22 j 05:36	7°♈32'54	-0°17'55
minimum elong	-6781 May 22 j 05:36	7°♈32'54	0°17'54
morning rise	-6781 Jun 07 j 19:04	8°♈34'22	
retrograde	-6781 Sep 07 j 10:07	11°♈55'25	
opposition	-6781 Nov 19 j 14:44	9°♈52'56	-0°17'32
min. Earth dist.	-6781 Nov 20 j 18:21	9°♈49'54	17.36687 AU
direct	-6780 Feb 03 j 17:03	7°♈46'22	
evening set	-6780 May 09 j 17:19	11°♈15'36	
max. Earth dist.	-6780 May 25 j 00:29	12°♈12'28	19.34833 AU
conjunction	-6780 May 26 j 09:33	12°♈17'38	-0°13'28
minimum elong	-6780 May 26 j 09:33	12°♈17'38	0°13'25
behind sun begin	-6780 May 26 j 05:50	12°♈17'04	
behind sun end	-6780 May 26 j 13:16	12°♈18'12	
morning rise	-6780 Jun 11 j 21:53	13°♈19'09	
retrograde	-6780 Sep 11 j 08:56	16°♈40'33	
opposition	-6780 Nov 23 j 13:57	14°♈38'07	-0°12'30
min. Earth dist.	-6780 Nov 24 j 18:29	14°♈34'59	17.33225 AU
direct	-6779 Feb 07 j 17:41	12°♈31'26	
evening set	-6779 May 14 j 22:25	16°♈01'29	
max. Earth dist.	-6779 May 30 j 04:41	16°♈58'25	19.31683 AU
conjunction	-6779 May 31 j 13:38	17°♈03'35	-0°08'56
minimum elong	-6779 May 31 j 13:38	17°♈03'35	0°08'51
behind sun begin	-6779 May 31 j 07:51	17°♈02'42	
behind sun end	-6779 May 31 j 19:24	17°♈04'28	
morning rise	-6779 Jun 17 j 00:54	18°♈05'07	
retrograde	-6779 Sep 16 j 11:02	21°♈26'51	
opposition	-6779 Nov 28 j 13:44	19°♈24'28	-0°07'22
min. Earth dist.	-6779 Nov 29 j 17:05	19°♈21'29	17.30373 AU
direct	-6778 Feb 12 j 21:09	17°♈17'43	
evening set	-6778 May 20 j 03:41	20°♈48'31	
max. Earth dist.	-6778 Jun 04 j 09:55	21°♈45'36	19.29130 AU
conjunction	-6778 Jun 05 j 17:55	21°♈50'38	-0°04'18
minimum elong	-6778 Jun 05 j 17:55	21°♈50'38	0°04'10
behind sun begin	-6778 Jun 05 j 11:17	21°♈49'37	
behind sun end	-6778 Jun 06 j 00:33	21°♈51'39	
morning rise	-6778 Jun 22 j 03:51	22°♈52'10	
retrograde	-6778 Sep 21 j 10:43	26°♈14'10	
opposition	-6778 Dec 03 j 14:29	24°♈11'54	-0°02'09
min. Earth dist.	-6778 Dec 04 j 18:30	24°♈08'50	17.28120 AU
direct	-6777 Feb 17 j 22:09	22°♈05'07	
asc. node	-6777 May 04 j 22:55	24°♈24'41	
evening set	-6777 May 25 j 08:59	25°♈36'31	
conjunction	-6777 Jun 10 j 21:57	26°♈38'37	0°00'29
minimum elong	-6777 Jun 10 j 21:59	26°♈38'37	0°00'38
behind sun begin	-6777 Jun 10 j 15:16	26°♈37'36	
behind sun end	-6777 Jun 11 j 04:41	26°♈39'39	
max. Earth dist.	-6777 Jun 09 j 13:56	26°♈33'34	19.27169 AU
morning rise	-6777 Jun 27 j 06:51	27°♈40'08	
	-6777 Aug 09 j 21:17	0°♉	
retrograde	-6777 Sep 26 j 13:33	1°♉02'22	
	-6777 Nov 14 j 18:58	30°℞♈	
opposition	-6777 Dec 08 j 15:41	29°♈00'11	0°03'06
min. Earth dist.	-6777 Dec 09 j 18:24	28°♈57'16	17.26432 AU
direct	-6776 Feb 23 j 02:45	26°♈53'25	
	-6776 May 22 j 15:58	0°♉	
evening set	-6776 May 29 j 14:21	0°♉25'18	
max. Earth dist.	-6776 Jun 13 j 19:46	1°♉22'32	19.25743 AU

Attention, astronomical year style is used: The year -6776 in astronomical counting style is the year 6777 BCE in historical counting style.

conjunction	-6776 Jun	15 j 02:19	1°♉27'22	0°05'14
minimum elong	-6776 Jun	15 j 02:18	1°♉27'22	0°05'26
behind sun begin	-6776 Jun	14 j 19:49	1°♉26'22	
behind sun end	-6776 Jun	15 j 08:46	1°♉28'21	
morning rise	-6776 Jul	01 j 09:42	2°♉28'48	
retrograde	-6776 Sep	30 j 13:27	5°♉51'12	
opposition	-6776 Dec	12 j 17:36	3°♉49'07	0°08'20
min. Earth dist.	-6776 Dec	13 j 20:45	3°♉46'09	17.25270 AU
direct	-6775 Feb	27 j 05:14	1°♉42'22	
evening set	-6775 Jun	03 j 19:49	5°♉14'36	
max. Earth dist.	-6775 Jun	18 j 23:36	6°♉11'43	19.24844 AU
conjunction	-6775 Jun	20 j 06:20	6°♉16'35	0°09'53
minimum elong	-6775 Jun	20 j 06:19	6°♉16'35	0°10'07
behind sun begin	-6775 Jun	20 j 00:58	6°♉15'45	
behind sun end	-6775 Jun	20 j 11:41	6°♉17'24	
morning rise	-6775 Jul	06 j 12:34	7°♉17'56	
retrograde	-6775 Oct	05 j 15:48	10°♉40'26	
opposition	-6775 Dec	17 j 20:02	8°♉38'24	0°13'32
min. Earth dist.	-6775 Dec	18 j 21:46	8°♉35'36	17.24627 AU
direct	-6774 Mar	04 j 11:27	6°♉31'42	
evening set	-6774 Jun	09 j 00:43	10°♉04'07	
max. Earth dist.	-6774 Jun	24 j 05:30	11°♉01'28	19.24449 AU
conjunction	-6774 Jun	25 j 10:04	11°♉06'00	0°14'29
minimum elong	-6774 Jun	25 j 10:04	11°♉06'00	0°14'44
behind sun begin	-6774 Jun	25 j 07:22	11°♉05'35	
behind sun end	-6774 Jun	25 j 12:45	11°♉06'25	
morning rise	-6774 Jul	11 j 14:48	12°♉07'13	
	-6774 Sep	08 j 04:06	15°♉	
retrograde	-6774 Oct	10 j 15:23	15°♉29'46	
	-6774 Nov	12 j 20:27	15°℞♉	
opposition	-6774 Dec	22 j 23:00	13°♉27'49	0°18'38
min. Earth dist.	-6774 Dec	24 j 00:30	13°♉25'02	17.24482 AU
direct	-6773 Mar	09 j 15:54	11°♉21'09	
evening set	-6773 Jun	14 j 05:31	14°♉53'37	
	-6773 Jun	15 j 22:39	15°♉	
max. Earth dist.	-6773 Jun	29 j 08:53	15°♉50'50	19.24566 AU
conjunction	-6773 Jun	30 j 13:22	15°♉55'21	0°18'59
minimum elong	-6773 Jun	30 j 13:22	15°♉55'21	0°19'16
morning rise	-6773 Jul	16 j 16:57	16°♉56'27	
retrograde	-6773 Oct	15 j 16:39	20°♉18'58	
opposition	-6773 Dec	28 j 02:00	18°♉17'02	0°23'35
min. Earth dist.	-6773 Dec	29 j 02:04	18°♉14'26	17.24860 AU
direct	-6772 Mar	13 j 22:35	16°♉10'26	
evening set	-6772 Jun	18 j 09:42	19°♉42'49	
conjunction	-6772 Jul	04 j 16:22	20°♉44'23	0°23'21
minimum elong	-6772 Jul	04 j 16:22	20°♉44'23	0°23'39
max. Earth dist.	-6772 Jul	03 j 14:23	20°♉40'16	19.25203 AU
morning rise	-6772 Jul	20 j 18:30	21°♉45'19	
retrograde	-6772 Oct	19 j 16:26	25°♉07'44	
opposition	-6771 Jan	01 j 05:27	23°♉05'51	0°28'22
min. Earth dist.	-6771 Jan	02 j 04:30	23°♉03'22	17.25752 AU
direct	-6771 Mar	19 j 04:22	20°♉59'20	
evening set	-6771 Jun	23 j 13:23	24°♉31'28	
conjunction	-6771 Jul	09 j 18:31	25°♉32'51	0°27'32
minimum elong	-6771 Jul	09 j 18:31	25°♉32'51	0°27'53
max. Earth dist.	-6771 Jul	08 j 17:14	25°♉28'50	19.26373 AU
morning rise	-6771 Jul	25 j 19:27	26°♉33'37	
retrograde	-6771 Oct	24 j 16:39	29°♉55'52	
opposition	-6770 Jan	06 j 09:01	27°♉54'01	0°32'57
min. Earth dist.	-6770 Jan	07 j 06:31	27°♉51'42	17.27205 AU
direct	-6770 Mar	24 j 10:14	25°♉47'36	
evening set	-6770 Jun	28 j 16:17	29°♉19'22	
	-6770 Jul	09 j 11:00	0°♊	
conjunction	-6770 Jul	14 j 20:10	0°♊20'32	0°31'31
minimum elong	-6770 Jul	14 j 20:10	0°♊20'32	0°31'53
max. Earth dist.	-6770 Jul	13 j 21:48	0°♊16'59	19.28114 AU
morning rise	-6770 Jul	30 j 19:44	1°♊21'05	
retrograde	-6770 Oct	29 j 16:47	4°♊43'08	
opposition	-6769 Jan	11 j 12:35	2°♊41'19	0°37'16
min. Earth dist.	-6769 Jan	12 j 08:08	2°♊39'13	17.29230 AU
direct	-6769 Mar	29 j 16:07	0°♊35'02	
evening set	-6769 Jul	03 j 18:27	4°♊06'19	
conjunction	-6769 Jul	19 j 20:53	5°♊07'14	0°35'16
minimum elong	-6769 Jul	19 j 20:53	5°♊07'14	0°35'39
max. Earth dist.	-6769 Jul	19 j 00:00	5°♊03'55	19.30440 AU
morning rise	-6769 Aug	04 j 19:19	6°♊07'35	
retrograde	-6769 Nov	03 j 16:06	9°♊29'24	
opposition	-6768 Jan	16 j 16:08	7°♊27'37	0°41'19
min. Earth dist.	-6768 Jan	17 j 10:05	7°♊25'42	17.31865 AU
direct	-6768 Apr	02 j 20:22	5°♊21'31	
evening set	-6768 Jul	07 j 19:51	8°♊52'12	
conjunction	-6768 Jul	23 j 20:59	9°♊52'53	0°38'46
minimum elong	-6768 Jul	23 j 20:59	9°♊52'53	0°39'11
max. Earth dist.	-6768 Jul	23 j 03:02	9°♊50'02	19.33382 AU
morning rise	-6768 Aug	08 j 18:09	10°♊52'59	
retrograde	-6768 Nov	07 j 16:16	14°♊14'30	
opposition	-6767 Jan	20 j 19:32	12°♊12'49	0°45'04
min. Earth dist.	-6767 Jan	21 j 10:44	12°♊11'11	17.35103 AU
direct	-6767 Apr	08 j 01:50	10°♊06'58	
evening set	-6767 Jul	12 j 20:32	13°♊36'57	
conjunction	-6767 Jul	28 j 20:18	14°♊37'22	0°42'00
minimum elong	-6767 Jul	28 j 20:18	14°♊37'22	0°42'24
max. Earth dist.	-6767 Jul	28 j 04:31	14°♊34'52	19.36932 AU
morning rise	-6767 Aug	13 j 16:19	15°♊37'14	
retrograde	-6767 Nov	12 j 14:58	18°♊58'27	
opposition	-6766 Jan	25 j 22:58	16°♊56'53	0°48'30
min. Earth dist.	-6766 Jan	26 j 12:31	16°♊55'26	17.38964 AU
direct	-6766 Apr	13 j 04:37	14°♊51'20	
evening set	-6766 Jul	17 j 20:11	18°♊20'32	
conjunction	-6766 Aug	02 j 18:42	19°♊20'40	0°44'55
minimum elong	-6766 Aug	02 j 18:42	19°♊20'40	0°45'21
max. Earth dist.	-6766 Aug	02 j 05:41	19°♊18'36	19.41094 AU
morning rise	-6766 Aug	18 j 13:42	20°♊20'17	
retrograde	-6766 Nov	17 j 15:01	23°♊41'10	
opposition	-6765 Jan	31 j 02:01	21°♊39'45	0°51'36
min. Earth dist.	-6765 Jan	31 j 12:20	21°♊38'39	17.43392 AU
direct	-6765 Apr	18 j 09:01	19°♊34'34	
evening set	-6765 Jul	22 j 19:07	23°♊02'55	
conjunction	-6765 Aug	07 j 16:27	24°♊02'45	0°47'33
minimum elong	-6765 Aug	07 j 16:27	24°♊02'45	0°47'59
max. Earth dist.	-6765 Aug	07 j 06:04	24°♊01'07	19.45790 AU
morning rise	-6765 Aug	23 j 10:24	25°♊02'07	
retrograde	-6765 Nov	22 j 13:08	28°♊22'37	
opposition	-6764 Feb	05 j 04:47	26°♊21'23	0°54'20
min. Earth dist.	-6764 Feb	05 j 13:45	26°♊20'26	17.48341 AU
direct	-6764 Apr	22 j 10:43	24°♊16'35	
evening set	-6764 Jul	26 j 17:15	27°♊44'01	
conjunction	-6764 Aug	11 j 13:22	28°♊43'33	0°49'50
minimum elong	-6764 Aug	11 j 13:22	28°♊43'33	0°50'17
max. Earth dist.	-6764 Aug	11 j 05:14	28°♊42'16	19.50976 AU
morning rise	-6764 Aug	27 j 06:27	29°♊42'38	
	-6764 Sep	01 j 00:13	0°♋	

Attention, astronomical year style is used: The year -6764 in astronomical counting style is the year 6765 BCE in historical counting style.

retrograde	-6764 Nov 26 j 12:19	3°♋02'44	
opposition	-6763 Feb 09 j 07:19	1°♋01'41	0°56'41
min. Earth dist.	-6763 Feb 09 j 12:56	1°♋01'05	17.53727 AU
	-6763 Mar 06 j 20:30	30°℞♊	
direct	-6763 Apr 27 j 14:38	28°♊57'20	
	-6763 Jun 16 j 05:47	0°♋	
evening set	-6763 Jul 31 j 14:20	2°♋23'42	
conjunction	-6763 Aug 16 j 09:24	3°♋22'56	0°51'48
minimum elong	-6763 Aug 16 j 09:24	3°♋22'56	0°52'16
max. Earth dist.	-6763 Aug 16 j 04:18	3°♋22'08	19.56552 AU
morning rise	-6763 Sep 01 j 01:33	4°♋21'45	
retrograde	-6763 Dec 01 j 09:19	7°♋41'26	
opposition	-6762 Feb 14 j 09:42	5°♋40'32	0°58'39
min. Earth dist.	-6762 Feb 14 j 14:01	5°♋40'05	17.59483 AU
direct	-6762 May 02 j 16:01	3°♋36'37	
evening set	-6762 Aug 05 j 10:41	7°♋01'53	
conjunction	-6762 Aug 21 j 04:38	8°♋00'47	0°53'24
minimum elong	-6762 Aug 21 j 04:38	8°♋00'47	0°53'51
max. Earth dist.	-6762 Aug 21 j 01:19	8°♋00'16	19.62468 AU
morning rise	-6762 Sep 05 j 20:09	8°♋59'20	
retrograde	-6762 Dec 06 j 07:03	12°♋18'33	
opposition	-6761 Feb 19 j 11:16	10°♋17'48	1°00'14
min. Earth dist.	-6761 Feb 19 j 12:20	10°♋17'42	17.65535 AU
direct	-6761 May 07 j 18:51	8°♋14'18	
evening set	-6761 Aug 10 j 05:59	11°♋38'23	
conjunction	-6761 Aug 25 j 23:07	12°♋36'59	0°54'39
minimum elong	-6761 Aug 25 j 23:07	12°♋36'59	0°55'06
max. Earth dist.	-6761 Aug 25 j 22:51	12°♋36'56	19.68633 AU
morning rise	-6761 Sep 10 j 13:51	13°♋35'14	
retrograde	-6761 Dec 11 j 02:28	16°♋53'57	
opposition	-6760 Feb 24 j 12:35	14°♋53'20	1°01'24
min. Earth dist.	-6760 Feb 24 j 12:27	14°♋53'21	17.71805 AU
direct	-6760 May 11 j 19:33	12°♋50'15	
evening set	-6760 Aug 14 j 00:26	16°♋13'05	
conjunction	-6760 Aug 29 j 16:33	17°♋11'20	0°55'33
minimum elong	-6760 Aug 29 j 16:33	17°♋11'20	0°55'59
max. Earth dist.	-6760 Aug 29 j 17:38	17°♋11'31	19.74996 AU
morning rise	-6760 Sep 14 j 06:49	18°♋09'19	
retrograde	-6760 Dec 14 j 22:20	21°♋27'29	
opposition	-6759 Feb 28 j 13:10	19°♋26'59	1°02'10
min. Earth dist.	-6759 Feb 28 j 09:50	19°♋27'20	17.78245 AU
direct	-6759 May 16 j 20:37	17°♋24'17	
evening set	-6759 Aug 18 j 17:46	20°♋45'48	
conjunction	-6759 Sep 03 j 09:16	21°♋43'45	0°56'05
minimum elong	-6759 Sep 03 j 09:16	21°♋43'45	0°56'31
max. Earth dist.	-6759 Sep 03 j 13:33	21°♋44'25	19.81503 AU
morning rise	-6759 Sep 18 j 22:55	22°♋41'27	
retrograde	-6759 Dec 19 j 16:23	25°♋59'02	
opposition	-6758 Mar 05 j 13:13	23°♋58'37	1°02'33
min. Earth dist.	-6758 Mar 05 j 08:32	23°♋59'06	17.84816 AU
direct	-6758 May 21 j 19:25	21°♋56'17	
evening set	-6758 Aug 23 j 10:06	25°♋16'27	
conjunction	-6758 Sep 08 j 00:48	26°♋14'04	0°56'15
minimum elong	-6758 Sep 08 j 00:49	26°♋14'04	0°56'42
max. Earth dist.	-6758 Sep 08 j 06:19	26°♋14'55	19.88138 AU
morning rise	-6758 Sep 23 j 14:18	27°♋11'30	
	-6758 Nov 21 j 15:34	0°♌	
retrograde	-6758 Dec 24 j 10:53	0°♌28'29	
	-6757 Jan 27 j 07:05	30°℞♋	
opposition	-6757 Mar 10 j 12:18	28°♋28'06	1°02'32
min. Earth dist.	-6757 Mar 10 j 04:40	28°♋28'53	17.91504 AU
direct	-6757 May 26 j 18:02	26°♋26'07	
evening set	-6757 Aug 28 j 01:17	29°♋44'53	
	-6757 Sep 01 j 05:06	0°♌	
conjunction	-6757 Sep 12 j 15:34	0°♌42'12	0°56'06
minimum elong	-6757 Sep 12 j 15:35	0°♌42'12	0°56'29
max. Earth dist.	-6757 Sep 13 j 00:24	0°♌43'33	19.94873 AU
morning rise	-6757 Sep 28 j 04:37	1°♌39'22	
retrograde	-6757 Dec 29 j 03:13	4°♌55'41	
opposition	-6756 Mar 14 j 10:35	2°♌55'22	1°02'08
min. Earth dist.	-6756 Mar 14 j 01:23	2°♌56'18	17.98291 AU
direct	-6756 May 30 j 14:40	0°♌53'44	
evening set	-6756 Aug 31 j 15:36	4°♌11'04	
conjunction	-6756 Sep 16 j 05:13	5°♌08'04	0°55'36
minimum elong	-6756 Sep 16 j 05:13	5°♌08'04	0°56'00
max. Earth dist.	-6756 Sep 16 j 15:20	5°♌09'38	20.01725 AU
morning rise	-6756 Oct 01 j 18:16	6°♌04'59	
retrograde	-6755 Jan 01 j 20:36	9°♌20'40	
opposition	-6755 Mar 19 j 08:08	7°♌20'22	1°01'23
min. Earth dist.	-6755 Mar 18 j 20:06	7°♌21'36	18.05211 AU
direct	-6755 Jun 04 j 11:05	5°♌19'05	
evening set	-6755 Sep 05 j 04:38	8°♌35'00	
conjunction	-6755 Sep 20 j 18:01	9°♌31'42	0°54'47
minimum elong	-6755 Sep 20 j 18:02	9°♌31'43	0°55'08
max. Earth dist.	-6755 Sep 21 j 07:39	9°♌33'48	20.08701 AU
morning rise	-6755 Oct 06 j 06:49	10°♌28'21	
retrograde	-6754 Jan 06 j 12:02	13°♌43'24	
opposition	-6754 Mar 24 j 04:52	11°♌43'09	1°00'16
min. Earth dist.	-6754 Mar 23 j 14:52	11°♌44'35	18.12247 AU
direct	-6754 Jun 09 j 05:55	9°♌42'15	
evening set	-6754 Sep 09 j 17:01	12°♌56'45	
conjunction	-6754 Sep 25 j 05:56	13°♌53'10	0°53'39
minimum elong	-6754 Sep 25 j 05:57	13°♌53'10	0°54'00
max. Earth dist.	-6754 Sep 25 j 20:47	13°♌55'26	20.15800 AU
morning rise	-6754 Oct 10 j 18:55	14°♌49'35	
	-6754 Oct 13 j 17:18	15°♌	
retrograde	-6753 Jan 11 j 03:54	18°♌04'00	
min. Earth dist.	-6753 Mar 28 j 08:05	16°♌05'29	18.19409 AU
opposition	-6753 Mar 29 j 00:32	16°♌03'49	0°58'50
	-6753 Apr 25 j 11:41	15°℞♌	
direct	-6753 Jun 13 j 23:52	14°♌03'17	
	-6753 Jul 31 j 08:39	15°♌	
evening set	-6753 Sep 14 j 04:20	17°♌16'26	
conjunction	-6753 Sep 29 j 17:13	18°♌12'35	0°52'14
minimum elong	-6753 Sep 29 j 17:13	18°♌12'35	0°52'34
max. Earth dist.	-6753 Sep 30 j 11:20	18°♌15'20	20.22999 AU
morning rise	-6753 Oct 15 j 06:07	19°♌08'46	
retrograde	-6752 Jan 15 j 18:36	22°♌22'34	
opposition	-6752 Apr 01 j 19:30	20°♌22'29	0°57'04
min. Earth dist.	-6752 Apr 01 j 01:01	20°♌24'22	18.26634 AU
direct	-6752 Jun 17 j 17:14	18°♌22'23	
evening set	-6752 Sep 17 j 14:52	21°♌34'11	
conjunction	-6752 Oct 03 j 03:27	22°♌30'04	0°50'32
minimum elong	-6752 Oct 03 j 03:27	22°♌30'04	0°50'50
max. Earth dist.	-6752 Oct 03 j 22:39	22°♌32'58	20.30246 AU
morning rise	-6752 Oct 18 j 16:41	23°♌26'02	
retrograde	-6751 Jan 19 j 09:05	26°♌39'15	
opposition	-6751 Apr 06 j 13:45	24°♌39'17	0°55'00
min. Earth dist.	-6751 Apr 05 j 17:17	24°♌41'21	18.33892 AU
direct	-6751 Jun 22 j 08:48	22°♌39'37	
evening set	-6751 Sep 22 j 00:34	25°♌50'06	

Attention, astronomical year style is used: The year -6751 in astronomical counting style is the year 6752 BCE in historical counting style.

conjunction	-6751 Oct 07 j 13:17	26°♌45'45	0°48'34
minimum elong	-6751 Oct 07 j 13:18	26°♌45'45	0°48'52
max. Earth dist.	-6751 Oct 08 j 11:29	26°♌49'05	20.37485 AU
morning rise	-6751 Oct 23 j 02:39	27°♌41'30	
	-6751 Dec 08 j 07:16	0°♍	
retrograde	-6750 Jan 23 j 23:08	0°♍54'09	
	-6750 Mar 13 j 15:40	30°℞♌	
min. Earth dist.	-6750 Apr 10 j 08:42	28°♌56'35	18.41094 AU
opposition	-6750 Apr 11 j 07:03	28°♌54'19	0°52'39
direct	-6750 Jun 27 j 00:41	26°♌55'05	
	-6750 Sep 25 j 04:11	0°♍	
evening set	-6750 Sep 26 j 09:42	0°♍04'18	
conjunction	-6750 Oct 11 j 22:18	0°♍59'43	0°46'20
minimum elong	-6750 Oct 11 j 22:19	0°♍59'43	0°46'36
max. Earth dist.	-6750 Oct 12 j 21:14	1°♍03'09	20.44636 AU
morning rise	-6750 Oct 27 j 12:12	1°♍55'17	
retrograde	-6749 Jan 28 j 12:13	5°♍07'24	
opposition	-6749 Apr 15 j 23:38	3°♍07'41	0°50'02
min. Earth dist.	-6749 Apr 15 j 00:04	3°♍10'03	18.48181 AU
direct	-6749 Jul 01 j 14:00	1°♍08'52	
evening set	-6749 Sep 30 j 18:02	4°♍16'52	
conjunction	-6749 Oct 16 j 06:55	5°♍12'03	0°43'53
minimum elong	-6749 Oct 16 j 06:55	5°♍12'03	0°44'07
max. Earth dist.	-6749 Oct 17 j 08:19	5°♍15'51	20.51622 AU
morning rise	-6749 Oct 31 j 21:01	6°♍07'27	
retrograde	-6748 Feb 02 j 01:17	9°♍19'01	
opposition	-6748 Apr 19 j 15:19	7°♍19'26	0°47'09
min. Earth dist.	-6748 Apr 18 j 14:06	7°♍21'58	18.55053 AU
direct	-6748 Jul 05 j 04:39	5°♍21'03	
evening set	-6748 Oct 04 j 01:59	8°♍27'50	
conjunction	-6748 Oct 19 j 14:53	9°♍22'50	0°41'12
minimum elong	-6748 Oct 19 j 14:54	9°♍22'50	0°41'23
max. Earth dist.	-6748 Oct 20 j 16:37	9°♍26'39	20.58368 AU
morning rise	-6748 Nov 04 j 05:38	10°♍18'04	
retrograde	-6747 Feb 05 j 13:13	13°♍29'08	
min. Earth dist.	-6747 Apr 23 j 04:35	11°♍32'14	18.61668 AU
opposition	-6747 Apr 24 j 06:26	11°♍29'38	0°44'02
direct	-6747 Jul 09 j 16:07	9°♍31'37	
evening set	-6747 Oct 08 j 09:08	12°♍37'16	
conjunction	-6747 Oct 23 j 22:30	13°♍32'05	0°38'19
minimum elong	-6747 Oct 23 j 22:30	13°♍32'05	0°38'29
max. Earth dist.	-6747 Oct 25 j 02:12	13°♍36'11	20.64818 AU
morning rise	-6747 Nov 08 j 13:39	14°♍27'10	
retrograde	-6746 Feb 10 j 01:05	17°♍37'43	
opposition	-6746 Apr 28 j 20:37	15°♍38'18	0°40'43
min. Earth dist.	-6746 Apr 27 j 17:20	15°♍41'03	18.67936 AU
direct	-6746 Jul 14 j 05:44	13°♍40'37	
evening set	-6746 Oct 12 j 16:01	16°♍45'10	
conjunction	-6746 Oct 28 j 05:35	17°♍39'48	0°35'15
minimum elong	-6746 Oct 28 j 05:36	17°♍39'49	0°35'23
max. Earth dist.	-6746 Oct 29 j 09:11	17°♍43'52	20.70895 AU
morning rise	-6746 Nov 12 j 21:31	18°♍34'46	
retrograde	-6745 Feb 14 j 11:55	21°♍44'49	
min. Earth dist.	-6745 May 02 j 06:38	19°♍48'11	18.73828 AU
opposition	-6745 May 03 j 09:58	19°♍45'27	0°37'13
direct	-6745 Jul 18 j 15:33	17°♍48'02	
evening set	-6745 Oct 16 j 22:08	20°♍51'32	
conjunction	-6745 Nov 01 j 12:19	21°♍46'01	0°32'01
minimum elong	-6745 Nov 01 j 12:19	21°♍46'02	0°32'07
max. Earth dist.	-6745 Nov 02 j 17:29	21°♍50'18	20.76585 AU
morning rise	-6745 Nov 17 j 04:46	22°♍40'51	
retrograde	-6744 Feb 18 j 22:00	25°♍50'25	
opposition	-6744 May 06 j 22:33	23°♍51'04	0°33'32
min. Earth dist.	-6744 May 05 j 17:51	23°♍53'56	18.79311 AU
direct	-6744 Jul 22 j 03:39	21°♍53'55	
evening set	-6744 Oct 20 j 03:45	24°♍56'23	
conjunction	-6744 Nov 04 j 18:15	25°♍50'44	0°28'39
minimum elong	-6744 Nov 04 j 18:15	25°♍50'44	0°28'44
max. Earth dist.	-6744 Nov 05 j 23:19	25°♍54'59	20.81874 AU
morning rise	-6744 Nov 20 j 11:37	26°♍45'28	
retrograde	-6743 Feb 22 j 07:43	29°♍54'34	
min. Earth dist.	-6743 May 10 j 05:59	27°♍58'02	18.84417 AU
opposition	-6743 May 11 j 10:31	27°♍55'11	0°29'44
direct	-6743 Jul 26 j 12:12	25°♍58'15	
evening set	-6743 Oct 24 j 08:51	28°♍59'45	
conjunction	-6743 Nov 09 j 00:05	29°♍53'59	0°25'09
minimum elong	-6743 Nov 09 j 00:05	29°♍53'59	0°25'12
max. Earth dist.	-6743 Nov 10 j 06:41	29°♍58'26	20.86795 AU
	-6743 Nov 10 j 17:24	0°♎	
morning rise	-6743 Nov 24 j 18:05	0°♎48'37	
retrograde	-6742 Feb 26 j 16:28	3°♎57'15	
opposition	-6742 May 15 j 21:21	1°♎57'52	0°25'48
min. Earth dist.	-6742 May 14 j 15:31	2°♎00'51	18.89159 AU
direct	-6742 Jul 30 j 22:12	0°♎01'06	
evening set	-6742 Oct 28 j 13:40	3°♎01'44	
conjunction	-6742 Nov 13 j 05:21	3°♎55'51	0°21'34
minimum elong	-6742 Nov 13 j 05:21	3°♎55'51	0°21'36
max. Earth dist.	-6742 Nov 14 j 11:46	4°♎00'16	20.91365 AU
morning rise	-6742 Nov 29 j 00:19	4°♎50'25	
retrograde	-6741 Mar 03 j 00:47	7°♎58'39	
min. Earth dist.	-6741 May 19 j 02:14	6°♎02'11	18.93576 AU
opposition	-6741 May 20 j 07:41	5°♎59'14	0°21'46
direct	-6741 Aug 04 j 05:04	4°♎02'39	
evening set	-6741 Nov 01 j 17:55	7°♎02'27	
conjunction	-6741 Nov 17 j 10:24	7°♎56'30	0°17'54
minimum elong	-6741 Nov 17 j 10:24	7°♎56'30	0°17'52
max. Earth dist.	-6741 Nov 18 j 18:13	8°♎01'06	20.95618 AU
morning rise	-6741 Dec 03 j 06:03	8°♎50'59	
retrograde	-6740 Mar 06 j 09:08	11°♎58'51	
min. Earth dist.	-6740 May 22 j 10:27	10°♎02'31	18.97668 AU
opposition	-6740 May 23 j 17:13	9°♎59'26	0°17'39
direct	-6740 Aug 07 j 13:31	8°♎03'01	
evening set	-6740 Nov 04 j 22:07	11°♎02'07	
conjunction	-6740 Nov 20 j 15:09	11°♎56'04	0°14'09
minimum elong	-6740 Nov 20 j 15:09	11°♎56'04	0°14'07
behind sun begin	-6740 Nov 20 j 11:50	11°♎55'36	
behind sun end	-6740 Nov 20 j 18:28	11°♎56'32	
max. Earth dist.	-6740 Nov 21 j 22:41	12°♎00'37	20.99553 AU
morning rise	-6740 Dec 06 j 11:51	12°♎50'32	
retrograde	-6739 Mar 10 j 16:33	15°♎58'05	
min. Earth dist.	-6739 May 26 j 20:10	14°♎01'41	19.01453 AU
opposition	-6739 May 28 j 02:17	13°♎58'40	0°13'28
direct	-6739 Aug 11 j 18:40	12°♎02'26	
evening set	-6739 Nov 09 j 01:56	15°♎00'52	
conjunction	-6739 Nov 24 j 19:55	15°♎54'47	0°10'22
minimum elong	-6739 Nov 24 j 19:55	15°♎54'47	0°10'17
behind sun begin	-6739 Nov 24 j 14:41	15°♎54'03	
behind sun end	-6739 Nov 25 j 01:09	15°♎55'31	
max. Earth dist.	-6739 Nov 26 j 04:33	15°♎59'28	21.03173 AU
morning rise	-6739 Dec 10 j 17:26	16°♎49'13	
retrograde	-6738 Mar 15 j 01:08	19°♎56'29	
min. Earth dist.	-6738 May 31 j 03:34	18°♎00'12	19.04890 AU

Attention, astronomical year style is used: The year -6738 in astronomical counting style is the year 6739 BCE in historical counting style.

opposition	-6738 Jun 01 j 10:39	17°♎57'06	0°09'14
direct	-6738 Aug 16 j 01:52	16°♎01'02	
evening set	-6738 Nov 13 j 05:53	18°♎58'54	
conjunction	-6738 Nov 29 j 00:30	19°♎52'48	0°06'33
minimum elong	-6738 Nov 29 j 00:30	19°♎52'48	0°06'26
behind sun begin	-6738 Nov 28 j 18:18	19°♎51'56	
behind sun end	-6738 Nov 29 j 06:42	19°♎53'39	
max. Earth dist.	-6738 Nov 30 j 08:27	19°♎57'22	21.06422 AU
morning rise	-6738 Dec 14 j 23:06	20°♎47'13	
retrograde	-6737 Mar 19 j 07:57	23°♎54'15	
opposition	-6737 Jun 05 j 18:35	21°♎54'55	0°04'58
min. Earth dist.	-6737 Jun 04 j 12:37	21°♎57'55	19.07951 AU
direct	-6737 Aug 20 j 06:02	19°♎59'00	
evening set	-6737 Nov 17 j 09:35	22°♎56'24	
conjunction	-6737 Dec 03 j 05:13	23°♎50'16	0°02'41
minimum elong	-6737 Dec 03 j 05:13	23°♎50'16	0°02'33
behind sun begin	-6737 Dec 02 j 22:38	23°♎49'22	
behind sun end	-6737 Dec 03 j 11:47	23°♎51'11	
max. Earth dist.	-6737 Dec 04 j 13:51	23°♎54'56	21.09285 AU
morning rise	-6737 Dec 19 j 04:38	24°♎44'42	
retrograde	-6736 Mar 22 j 16:39	27°♎51'32	
min. Earth dist.	-6736 Jun 07 j 19:27	25°♎55'19	19.10592 AU
opposition	-6736 Jun 09 j 02:03	25°♎52'15	0°00'41
desc. node	-6736 Aug 05 j 13:15	24°♎04'34	
direct	-6736 Aug 23 j 12:02	23°♎56'29	
evening set	-6736 Nov 20 j 13:26	26°♎53'29	
conjunction	-6736 Dec 06 j 09:47	27°♎47'22	-0°01'19
minimum elong	-6736 Dec 06 j 09:47	27°♎47'22	0°01'29
behind sun begin	-6736 Dec 06 j 03:11	27°♎46'27	
behind sun end	-6736 Dec 06 j 16:23	27°♎48'16	
max. Earth dist.	-6736 Dec 07 j 17:22	27°♎51'52	21.11695 AU
morning rise	-6736 Dec 22 j 10:22	28°♎41'49	
	-6735 Jan 16 j 09:23	0°♏	
retrograde	-6735 Mar 26 j 23:31	1°♏48'31	
	-6735 Jun 08 j 21:43	30°℞♎	
min. Earth dist.	-6735 Jun 12 j 04:19	29°♎52'10	19.12765 AU
opposition	-6735 Jun 13 j 09:20	29°♎49'16	-0°03'36
direct	-6735 Aug 27 j 15:57	27°♎53'36	
	-6735 Nov 09 j 02:09	0°♏	
evening set	-6735 Nov 24 j 17:25	0°♏50'17	
conjunction	-6735 Dec 10 j 14:50	1°♏44'11	-0°05'12
minimum elong	-6735 Dec 10 j 14:50	1°♏44'11	0°05'23
behind sun begin	-6735 Dec 10 j 08:28	1°♏43'18	
behind sun end	-6735 Dec 10 j 21:13	1°♏45'04	
max. Earth dist.	-6735 Dec 11 j 22:31	1°♏48'42	21.13614 AU
morning rise	-6735 Dec 26 j 16:17	2°♏38'40	
retrograde	-6734 Mar 31 j 08:10	5°♏45'15	
min. Earth dist.	-6734 Jun 16 j 10:48	3°♏48'57	19.14408 AU
opposition	-6734 Jun 17 j 15:55	3°♏46'02	-0°07'52
direct	-6734 Aug 31 j 21:13	1°♏50'27	
evening set	-6734 Nov 28 j 21:43	4°♏46'54	
conjunction	-6734 Dec 14 j 19:54	5°♏40'50	-0°09'01
minimum elong	-6734 Dec 14 j 19:55	5°♏40'50	0°09'15
behind sun begin	-6734 Dec 14 j 14:20	5°♏40'04	
behind sun end	-6734 Dec 15 j 01:30	5°♏41'36	
max. Earth dist.	-6734 Dec 16 j 01:55	5°♏45'06	21.14970 AU
morning rise	-6734 Dec 30 j 22:30	6°♏35'23	
retrograde	-6733 Apr 04 j 14:59	9°♏41'53	
opposition	-6733 Jun 21 j 22:31	7°♏42'39	-0°12'06
min. Earth dist.	-6733 Jun 20 j 19:24	7°♏45'22	19.15476 AU
direct	-6733 Sep 05 j 00:50	5°♏47'06	
evening set	-6733 Dec 03 j 01:53	8°♏43'22	

conjunction	-6733 Dec 19 j 01:11	9°♏37'22	-0°12'49
minimum elong	-6733 Dec 19 j 01:11	9°♏37'22	0°13'03
behind sun begin	-6733 Dec 18 j 21:12	9°♏36'49	
behind sun end	-6733 Dec 19 j 05:09	9°♏37'55	
max. Earth dist.	-6733 Dec 20 j 06:52	9°♏41'35	21.15740 AU
morning rise	-6732 Jan 04 j 04:39	10°♏31'58	
retrograde	-6732 Apr 07 j 23:34	13°♏38'25	
min. Earth dist.	-6732 Jun 24 j 01:41	11°♏41'52	19.15935 AU
opposition	-6732 Jun 25 j 04:43	11°♏39'09	-0°16'15
direct	-6732 Sep 08 j 06:15	9°♏43'35	
evening set	-6732 Dec 06 j 06:30	12°♏39'44	
conjunction	-6732 Dec 22 j 06:40	13°♏33'49	-0°16'32
minimum elong	-6732 Dec 22 j 06:39	13°♏33'49	0°16'48
max. Earth dist.	-6732 Dec 23 j 10:25	13°♏37'45	21.15897 AU
morning rise	-6731 Jan 07 j 11:18	14°♏28'30	
	-6731 Jan 17 j 03:26	15°♏	
retrograde	-6731 Apr 12 j 06:06	17°♏34'55	
min. Earth dist.	-6731 Jun 28 j 09:57	15°♏38'04	19.15795 AU
opposition	-6731 Jun 29 j 10:42	15°♏35'35	-0°20'20
	-6731 Jul 14 j 10:12	15°℞♏	
direct	-6731 Sep 12 j 09:20	13°♏39'56	
	-6731 Nov 08 j 15:41	15°♏	
evening set	-6731 Dec 10 j 11:10	16°♏36'03	
conjunction	-6731 Dec 26 j 12:31	17°♏30'13	-0°20'11
minimum elong	-6731 Dec 26 j 12:31	17°♏30'13	0°20'29
max. Earth dist.	-6731 Dec 27 j 15:44	17°♏34'04	21.15473 AU
morning rise	-6730 Jan 11 j 18:05	18°♏25'00	
retrograde	-6730 Apr 16 j 14:43	21°♏31'25	
opposition	-6730 Jul 03 j 16:17	19°♏31'59	-0°24'19
min. Earth dist.	-6730 Jul 02 j 15:49	19°♏34'27	19.15081 AU
direct	-6730 Sep 16 j 14:51	17°♏36'13	
evening set	-6730 Dec 14 j 16:12	20°♏32'22	
conjunction	-6730 Dec 30 j 18:23	21°♏26'39	-0°23'44
minimum elong	-6730 Dec 30 j 18:23	21°♏26'39	0°24'03
max. Earth dist.	-6730 Dec 31 j 19:39	21°♏30'13	21.14489 AU
morning rise	-6729 Jan 16 j 01:05	22°♏21'32	
retrograde	-6729 Apr 20 j 20:52	25°♏27'59	
opposition	-6729 Jul 07 j 21:44	23°♏28'27	-0°28'11
min. Earth dist.	-6729 Jul 06 j 23:35	23°♏30'41	19.13849 AU
direct	-6729 Sep 20 j 17:20	21°♏32'32	
evening set	-6729 Dec 18 j 21:21	24°♏28'48	
conjunction	-6728 Jan 04 j 00:43	25°♏23'12	-0°27'10
minimum elong	-6728 Jan 04 j 00:43	25°♏23'12	0°27'31
max. Earth dist.	-6728 Jan 05 j 01:28	25°♏26'42	21.13029 AU
morning rise	-6728 Jan 20 j 08:17	26°♏18'13	
retrograde	-6728 Apr 24 j 05:42	29°♏24'44	
min. Earth dist.	-6728 Jul 10 j 05:00	27°♏27'18	19.12159 AU
opposition	-6728 Jul 11 j 02:54	27°♏25'05	-0°31'55
direct	-6728 Sep 23 j 22:38	25°♏29'01	
evening set	-6728 Dec 22 j 02:57	28°♏25'30	
conjunction	-6727 Jan 07 j 07:13	29°♏20'02	-0°30'29
minimum elong	-6727 Jan 07 j 07:13	29°♏20'02	0°30'50
max. Earth dist.	-6727 Jan 08 j 06:00	29°♏23'15	21.11122 AU
	-6727 Jan 19 j 02:33	0°♐	
morning rise	-6727 Jan 23 j 15:56	0°♐15'12	
retrograde	-6727 Apr 28 j 12:25	3°♐21'51	
opposition	-6727 Jul 15 j 08:09	1°♐22'05	-0°35'30
min. Earth dist.	-6727 Jul 14 j 12:35	1°♐24'05	19.10051 AU
	-6727 Aug 21 j 17:08	30°℞♏	
direct	-6727 Sep 28 j 01:06	29°♏25'50	
	-6727 Nov 03 j 17:07	0°♐	
evening set	-6727 Dec 26 j 08:57	2°♐22'37	

Attention, astronomical year style is used: The year -6726 in astronomical counting style is the year 6727 BCE in historical counting style.

conjunction	-6726 Jan 11 j 14:24	3°♐17'19	-0°33'39
minimum elong	-6726 Jan 11 j 14:24	3°♐17'19	0°34'02
max. Earth dist.	-6726 Jan 12 j 12:25	3°♐20'26	21.08821 AU
morning rise	-6726 Jan 27 j 23:59	4°♐12'38	
retrograde	-6726 May 02 j 21:28	7°♐19'26	
opposition	-6726 Jul 19 j 13:04	5°♐19'36	-0°38'56
min. Earth dist.	-6726 Jul 18 j 17:53	5°♐21'33	19.07552 AU
direct	-6726 Oct 02 j 06:06	3°♐23'11	
evening set	-6726 Dec 30 j 15:33	6°♐20'21	
conjunction	-6725 Jan 15 j 21:53	7°♐15'14	-0°36'40
minimum elong	-6725 Jan 15 j 21:53	7°♐15'14	0°37'03
max. Earth dist.	-6725 Jan 16 j 17:43	7°♐18'02	21.06131 AU
morning rise	-6725 Feb 01 j 08:30	8°♐10'42	
retrograde	-6725 May 07 j 05:23	11°♐17'44	
opposition	-6725 Jul 23 j 18:19	9°♐17'50	-0°42'11
min. Earth dist.	-6725 Jul 23 j 01:33	9°♐19'33	19.04681 AU
direct	-6725 Oct 06 j 08:59	7°♐21'14	
evening set	-6724 Jan 03 j 22:21	10°♐18'53	
conjunction	-6724 Jan 20 j 05:53	11°♐13'57	-0°39'32
minimum elong	-6724 Jan 20 j 05:52	11°♐13'57	0°39'56
max. Earth dist.	-6724 Jan 21 j 00:46	11°♐16'37	21.03085 AU
morning rise	-6724 Feb 05 j 17:20	12°♐09'36	
retrograde	-6724 May 10 j 14:56	15°♐16'54	
opposition	-6724 Jul 26 j 23:32	13°♐16'57	-0°45'16
min. Earth dist.	-6724 Jul 26 j 07:17	13°♐18'37	19.01441 AU
direct	-6724 Oct 09 j 13:56	11°♐20'10	
evening set	-6723 Jan 07 j 06:10	14°♐18'22	
conjunction	-6723 Jan 23 j 14:36	15°♐13'39	-0°42'13
minimum elong	-6723 Jan 23 j 14:36	15°♐13'39	0°42'38
max. Earth dist.	-6723 Jan 24 j 07:05	15°♐15'59	20.99655 AU
morning rise	-6723 Feb 09 j 03:05	16°♐09'29	
retrograde	-6723 May 14 j 23:54	19°♐17'07	
opposition	-6723 Jul 31 j 04:58	17°♐17'07	-0°48'07
min. Earth dist.	-6723 Jul 30 j 15:28	17°♐18'30	18.97819 AU
direct	-6723 Oct 13 j 17:37	15°♐20'08	
evening set	-6722 Jan 11 j 14:35	18°♐18'59	
conjunction	-6722 Jan 28 j 00:10	19°♐14'29	-0°44'42
minimum elong	-6722 Jan 28 j 00:10	19°♐14'29	0°45'07
max. Earth dist.	-6722 Jan 28 j 15:12	19°♐16'37	20.95841 AU
morning rise	-6722 Feb 13 j 13:25	20°♐10'32	
retrograde	-6722 May 19 j 10:30	23°♐18'30	
opposition	-6722 Aug 04 j 10:34	21°♐18'28	-0°50'46
min. Earth dist.	-6722 Aug 03 j 21:58	21°♐19'46	18.93789 AU
direct	-6722 Oct 17 j 23:10	19°♐21'16	
evening set	-6721 Jan 15 j 23:50	22°♐20'51	
conjunction	-6721 Feb 01 j 10:15	23°♐16'35	-0°46'59
minimum elong	-6721 Feb 01 j 10:14	23°♐16'35	0°47'26
max. Earth dist.	-6721 Feb 01 j 22:35	23°♐18'20	20.91590 AU
morning rise	-6721 Feb 18 j 00:22	24°♐12'51	
retrograde	-6721 May 23 j 19:45	27°♐21'13	
opposition	-6721 Aug 08 j 16:37	25°♐21'07	-0°53'11
min. Earth dist.	-6721 Aug 08 j 07:02	25°♐22'07	18.89318 AU
direct	-6721 Oct 22 j 03:57	23°♐23'40	
evening set	-6720 Jan 20 j 09:49	26°♐24'03	
conjunction	-6720 Feb 05 j 21:19	27°♐20'02	-0°49'02
minimum elong	-6720 Feb 05 j 21:18	27°♐20'02	0°49'28
max. Earth dist.	-6720 Feb 06 j 07:45	27°♐21'31	20.86899 AU
morning rise	-6720 Feb 22 j 12:10	28°♐16'30	
	-6720 Mar 27 j 14:38	0°♑	
retrograde	-6720 May 27 j 07:31	1°♑25'18	
	-6720 Jul 28 j 16:33	30°℞♐	

opposition	-6720 Aug 11 j 22:49	29°♐25'07	-0°55'20
min. Earth dist.	-6720 Aug 11 j 14:25	29°♐25'59	18.84389 AU
direct	-6720 Oct 25 j 10:49	27°♐27'22	
	-6719 Jan 15 j 03:52	0°♑	
evening set	-6719 Jan 23 j 20:45	0°♑28'36	
conjunction	-6719 Feb 09 j 09:08	1°♑24'51	-0°50'51
minimum elong	-6719 Feb 09 j 09:07	1°♑24'50	0°51'18
max. Earth dist.	-6719 Feb 09 j 16:32	1°♑25'54	20.81726 AU
morning rise	-6719 Feb 26 j 00:48	2°♑21'34	
retrograde	-6719 May 31 j 17:15	5°♑30'46	
opposition	-6719 Aug 16 j 05:37	3°♑30'29	-0°57'13
min. Earth dist.	-6719 Aug 16 j 00:27	3°♑31'01	18.78978 AU
direct	-6719 Oct 29 j 16:34	1°♑32'23	
evening set	-6718 Jan 28 j 08:25	4°♑34'31	
conjunction	-6718 Feb 13 j 21:49	5°♑31'02	-0°52'25
minimum elong	-6718 Feb 13 j 21:49	5°♑31'02	0°52'51
max. Earth dist.	-6718 Feb 14 j 02:55	5°♑31'46	20.76092 AU
morning rise	-6718 Mar 02 j 14:08	6°♑27'59	
retrograde	-6718 Jun 05 j 05:46	9°♑37'37	
opposition	-6718 Aug 20 j 12:32	7°♑37'11	-0°58'49
min. Earth dist.	-6718 Aug 20 j 08:40	7°♑37'35	18.73116 AU
direct	-6718 Nov 03 j 01:16	5°♑38'42	
evening set	-6717 Feb 01 j 20:56	8°♑41'48	
conjunction	-6717 Feb 18 j 11:08	9°♑38'35	-0°53'43
minimum elong	-6717 Feb 18 j 11:08	9°♑38'35	0°54'10
max. Earth dist.	-6717 Feb 18 j 13:20	9°♑38'54	20.70021 AU
morning rise	-6717 Mar 07 j 04:07	10°♑35'47	
retrograde	-6717 Jun 09 j 15:51	13°♑45'52	
opposition	-6717 Aug 24 j 20:03	11°♑45'16	-1°00'07
min. Earth dist.	-6717 Aug 24 j 19:18	11°♑45'21	18.66859 AU
direct	-6717 Nov 07 j 07:45	9°♑46'22	
evening set	-6716 Feb 06 j 09:59	12°♑50'27	
conjunction	-6716 Feb 23 j 01:08	13°♑47'31	-0°54'44
minimum elong	-6716 Feb 23 j 01:08	13°♑47'31	0°55'11
max. Earth dist.	-6716 Feb 23 j 01:05	13°♑47'31	20.63606 AU
morning rise	-6716 Mar 10 j 18:44	14°♑44'58	
retrograde	-6716 Jun 13 j 05:20	17°♑55'31	
opposition	-6716 Aug 28 j 03:50	15°♑54'44	-1°01'07
min. Earth dist.	-6716 Aug 28 j 04:19	15°♑54'41	18.60286 AU
direct	-6716 Nov 10 j 18:02	13°♑55'23	
evening set	-6715 Feb 10 j 00:08	17°♑00'32	
conjunction	-6715 Feb 26 j 16:04	17°♑57'54	-0°55'28
minimum elong	-6715 Feb 26 j 16:04	17°♑57'54	0°55'54
max. Earth dist.	-6715 Feb 26 j 13:25	17°♑57'31	20.56894 AU
morning rise	-6715 Mar 15 j 10:11	18°♑55'36	
retrograde	-6715 Jun 17 j 16:12	22°♑06'38	
opposition	-6715 Sep 01 j 12:06	20°♑05'41	-1°01'47
min. Earth dist.	-6715 Sep 01 j 15:33	20°♑05'19	18.53464 AU
direct	-6715 Nov 15 j 01:45	18°♑05'51	
evening set	-6714 Feb 14 j 15:04	21°♑12'09	
conjunction	-6714 Mar 03 j 07:46	22°♑09'49	-0°55'55
minimum elong	-6714 Mar 03 j 07:46	22°♑09'49	0°56'21
max. Earth dist.	-6714 Mar 03 j 02:47	22°♑09'05	20.49986 AU
morning rise	-6714 Mar 20 j 02:23	23°♑07'46	
retrograde	-6714 Jun 22 j 06:43	26°♑19'19	
opposition	-6714 Sep 05 j 20:51	24°♑18'11	-1°02'08
min. Earth dist.	-6714 Sep 06 j 01:24	24°♑17'43	18.46479 AU
direct	-6714 Nov 19 j 12:55	22°♑17'54	
evening set	-6713 Feb 19 j 06:44	25°♑25'23	
conjunction	-6713 Mar 08 j 00:06	26°♑23'21	-0°56'04

Attention, astronomical year style is used: The year -6713 in astronomical counting style is the year 6714 BCE in historical counting style.

minimum elong	-6713 Mar 08 j 00:06	26°♉23'21	0°56'29
max. Earth dist.	-6713 Mar 07 j 16:59	26°♉22'19	20.42930 AU
morning rise	-6713 Mar 24 j 19:02	27°♉21'34	
	-6713 May 21 j 06:48	0°♒	
retrograde	-6713 Jun 26 j 19:07	0°♒33'40	
	-6713 Aug 02 j 16:35	30°℞♉	
opposition	-6713 Sep 10 j 06:21	28°♉32'23	-1°02'10
min. Earth dist.	-6713 Sep 10 j 13:31	28°♉31'38	18.39387 AU
direct	-6713 Nov 23 j 22:16	26°♉31'40	
evening set	-6712 Feb 23 j 23:22	29°♉40'23	
	-6712 Feb 29 j 16:08	0°♒	
conjunction	-6712 Mar 11 j 17:23	0°♒38'39	-0°55'55
minimum elong	-6712 Mar 11 j 17:23	0°♒38'39	0°56'19
max. Earth dist.	-6712 Mar 11 j 07:51	0°♒37'15	20.35818 AU
morning rise	-6712 Mar 28 j 12:44	1°♒37'08	
retrograde	-6712 Jun 30 j 10:36	4°♒49'49	
opposition	-6712 Sep 13 j 16:13	2°♒48'24	-1°01'50
min. Earth dist.	-6712 Sep 14 j 00:25	2°♒47'32	18.32258 AU
direct	-6712 Nov 27 j 10:17	0°♒47'14	
evening set	-6711 Feb 27 j 17:02	3°♒57'16	
conjunction	-6711 Mar 16 j 11:40	4°♒55'51	-0°55'27
minimum elong	-6711 Mar 16 j 11:40	4°♒55'51	0°55'51
max. Earth dist.	-6711 Mar 16 j 00:14	4°♒54'11	20.28673 AU
morning rise	-6711 Apr 02 j 07:10	5°♒54'36	
retrograde	-6711 Jul 05 j 00:57	9°♒07'53	
opposition	-6711 Sep 18 j 03:02	7°♒06'23	-1°01'11
min. Earth dist.	-6711 Sep 18 j 13:43	7°♒05'15	18.25116 AU
direct	-6711 Dec 01 j 21:29	5°♒04'49	
evening set	-6710 Mar 04 j 11:38	8°♒16'12	
conjunction	-6710 Mar 21 j 06:42	9°♒15'06	-0°54'41
minimum elong	-6710 Mar 21 j 06:42	9°♒15'06	0°55'03
max. Earth dist.	-6710 Mar 20 j 16:38	9°♒13'01	20.21548 AU
morning rise	-6710 Apr 07 j 02:27	10°♒14'06	
retrograde	-6710 Jul 09 j 17:42	13°♒28'02	
opposition	-6710 Sep 22 j 14:23	11°♒26'27	-1°00'10
min. Earth dist.	-6710 Sep 23 j 02:09	11°♒25'12	18.18006 AU
direct	-6710 Dec 06 j 10:57	9°♒24'31	
evening set	-6709 Mar 09 j 07:12	12°♒37'17	
max. Earth dist.	-6709 Mar 25 j 11:09	13°♒34'11	20.14445 AU
conjunction	-6709 Mar 26 j 02:45	13°♒36'29	-0°53'35
minimum elong	-6709 Mar 26 j 02:46	13°♒36'29	0°53'57
morning rise	-6709 Apr 11 j 22:27	14°♒35'46	
	-6709 Apr 19 j 00:36	15°♒	
retrograde	-6709 Jul 14 j 09:48	17°♒50'20	
opposition	-6709 Sep 27 j 02:40	15°♒48'44	-0°58'47
min. Earth dist.	-6709 Sep 27 j 16:50	15°♒47'12	18.10922 AU
	-6709 Oct 16 j 13:12	15°℞♒	
direct	-6709 Dec 10 j 23:44	13°♒46'25	
	-6708 Feb 03 j 03:19	15°♒	
evening set	-6708 Mar 13 j 03:49	17°♒00'36	
conjunction	-6708 Mar 29 j 23:38	18°♒00'07	-0°52'10
minimum elong	-6708 Mar 29 j 23:38	18°♒00'07	0°52'29
max. Earth dist.	-6708 Mar 29 j 05:05	17°♒57'22	20.07384 AU
morning rise	-6708 Apr 15 j 19:30	18°♒59'39	
retrograde	-6708 Jul 18 j 04:28	22°♒14'54	
opposition	-6708 Sep 30 j 15:42	20°♒13'14	-0°57'03
min. Earth dist.	-6708 Oct 01 j 07:16	20°♒11'33	18.03871 AU
direct	-6708 Dec 14 j 15:03	18°♒10'32	
evening set	-6707 Mar 18 j 01:32	21°♒26'11	
conjunction	-6707 Apr 03 j 21:43	22°♒26'00	-0°50'26
minimum elong	-6707 Apr 03 j 21:43	22°♒26'00	0°50'44
max. Earth dist.	-6707 Apr 03 j 01:43	22°♒23'01	20.00325 AU
morning rise	-6707 Apr 20 j 17:17	23°♒25'47	
retrograde	-6707 Jul 22 j 22:19	26°♒41'39	
opposition	-6707 Oct 05 j 05:40	24°♒39'58	-0°54'58
min. Earth dist.	-6707 Oct 05 j 23:34	24°♒38'02	17.96818 AU
direct	-6707 Dec 19 j 05:49	22°♒36'54	
evening set	-6706 Mar 23 j 00:20	25°♒53'57	
conjunction	-6706 Apr 08 j 20:31	26°♒54'04	-0°48'22
minimum elong	-6706 Apr 08 j 20:31	26°♒54'04	0°48'38
max. Earth dist.	-6706 Apr 07 j 21:16	26°♒50'35	19.93285 AU
morning rise	-6706 Apr 25 j 16:02	27°♒54'06	
	-6706 Jun 05 j 04:44	0°♓	
retrograde	-6706 Jul 27 j 18:27	1°♓10'36	
	-6706 Sep 19 j 12:03	30°℞♒	
opposition	-6706 Oct 09 j 20:33	29°♒08'50	-0°52'31
min. Earth dist.	-6706 Oct 10 j 15:58	29°♒06'44	17.89796 AU
direct	-6706 Dec 23 j 22:54	27°♒05'22	
	-6705 Mar 21 j 03:14	0°♓	
evening set	-6705 Mar 27 j 23:40	0°♓23'49	
conjunction	-6705 Apr 13 j 20:05	1°♓24'13	-0°45'59
minimum elong	-6705 Apr 13 j 20:05	1°♓24'13	0°46'14
max. Earth dist.	-6705 Apr 12 j 19:48	1°♓20'34	19.86269 AU
morning rise	-6705 Apr 30 j 15:09	2°♓24'29	
retrograde	-6705 Aug 01 j 13:45	5°♓41'36	
opposition	-6705 Oct 14 j 12:20	3°♓39'44	-0°49'44
min. Earth dist.	-6705 Oct 15 j 09:39	3°♓37'25	17.82807 AU
direct	-6705 Dec 28 j 15:56	1°♓35'51	
evening set	-6704 Apr 01 j 00:11	4°♓55'41	
conjunction	-6704 Apr 17 j 20:25	5°♓56'21	-0°43'19
minimum elong	-6704 Apr 17 j 20:25	5°♓56'21	0°43'33
max. Earth dist.	-6704 Apr 16 j 16:59	5°♓52'12	19.79328 AU
morning rise	-6704 May 04 j 15:17	6°♓56'50	
retrograde	-6704 Aug 05 j 10:26	10°♓14'31	
opposition	-6704 Oct 18 j 04:45	8°♓12'32	-0°46'36
min. Earth dist.	-6704 Oct 19 j 03:40	8°♓10'03	17.75930 AU
direct	-6703 Jan 01 j 10:39	6°♓08'14	
evening set	-6703 Apr 06 j 01:20	9°♓29'25	
conjunction	-6703 Apr 22 j 21:37	10°♓30'20	-0°40'21
minimum elong	-6703 Apr 22 j 21:37	10°♓30'20	0°40'32
max. Earth dist.	-6703 Apr 21 j 17:34	10°♓26'04	19.72520 AU
morning rise	-6703 May 09 j 15:51	11°♓31'01	
retrograde	-6703 Aug 10 j 06:49	14°♓49'14	
opposition	-6703 Oct 22 j 22:10	12°♓47'09	-0°43'10
min. Earth dist.	-6703 Oct 23 j 22:26	12°♓44'30	17.69214 AU
direct	-6702 Jan 06 j 06:23	10°♓42'26	
evening set	-6702 Apr 11 j 03:12	14°♓04'55	
conjunction	-6702 Apr 27 j 23:03	15°♓06'03	-0°37'07
minimum elong	-6702 Apr 27 j 23:03	15°♓06'03	0°37'17
max. Earth dist.	-6702 Apr 26 j 16:24	15°♓01'22	19.65922 AU
morning rise	-6702 May 14 j 16:51	16°♓06'55	
retrograde	-6702 Aug 15 j 03:24	19°♓25'40	
opposition	-6702 Oct 27 j 16:21	17°♓23'27	-0°39'26
min. Earth dist.	-6702 Oct 28 j 18:00	17°♓20'39	17.62764 AU
direct	-6701 Jan 11 j 02:38	15°♓18'19	
evening set	-6701 Apr 16 j 05:33	18°♓42'03	
max. Earth dist.	-6701 May 01 j 18:34	19°♓38'42	19.59624 AU
conjunction	-6701 May 03 j 01:14	19°♓43'24	-0°33'37
minimum elong	-6701 May 03 j 01:14	19°♓43'24	0°33'45
morning rise	-6701 May 19 j 18:15	20°♓44'25	
retrograde	-6701 Aug 20 j 00:55	24°♓03'40	
opposition	-6701 Nov 01 j 11:15	22°♓01'20	-0°35'26

Attention, astronomical year style is used: The year -6701 in astronomical counting style is the year 6702 BCE in historical counting style.

min. Earth dist.	-6701 Nov 02 j 13:32	21°♓58'27	17.56642 AU
direct	-6700 Jan 16 j 01:04	19°♓55'50	
evening set	-6700 Apr 20 j 08:39	23°♓20'46	
max. Earth dist.	-6700 May 05 j 19:07	24°♓17'17	19.53698 AU
conjunction	-6700 May 07 j 03:45	24°♓22'18	-0°29'54
minimum elong	-6700 May 07 j 03:45	24°♓22'18	0°29'58
morning rise	-6700 May 23 j 20:08	25°♓23'28	
retrograde	-6700 Aug 23 j 21:45	28°♓43'12	
opposition	-6700 Nov 05 j 07:05	26°♓40'45	-0°31'10
min. Earth dist.	-6700 Nov 06 j 10:37	26°♓37'44	17.50940 AU
direct	-6699 Jan 19 j 23:09	24°♓34'53	
evening set	-6699 Apr 25 j 12:08	28°♓00'59	
max. Earth dist.	-6699 May 10 j 22:30	28°♓57'42	19.48222 AU
conjunction	-6699 May 12 j 06:47	29°♓02'41	-0°25'57
minimum elong	-6699 May 12 j 06:47	29°♓02'41	0°26'01
	-6699 May 27 j 20:01	0°♈	
morning rise	-6699 May 28 j 22:14	0°♈03'57	
retrograde	-6699 Aug 28 j 20:33	3°♈24'08	
opposition	-6699 Nov 10 j 03:42	1°♈21'38	-0°26'41
min. Earth dist.	-6699 Nov 11 j 07:06	1°♈18'37	17.45710 AU
	-6699 Dec 13 j 22:52	30°℞♓	
direct	-6698 Jan 24 j 23:55	29°♓15'29	
	-6698 Mar 07 j 09:44	0°♈	
evening set	-6698 Apr 30 j 16:14	2°♈42'39	
max. Earth dist.	-6698 May 16 j 00:43	3°♈39'19	19.43256 AU
conjunction	-6698 May 17 j 10:06	3°♈44'29	-0°21'50
minimum elong	-6698 May 17 j 10:06	3°♈44'29	0°21'50
morning rise	-6698 Jun 03 j 00:38	4°♈45'52	
retrograde	-6698 Sep 02 j 18:19	8°♈06'28	
opposition	-6698 Nov 15 j 01:15	6°♈03'56	-0°21'59
min. Earth dist.	-6698 Nov 16 j 05:37	6°♈00'50	17.41034 AU
direct	-6697 Jan 29 j 23:13	3°♈57'32	
evening set	-6697 May 05 j 20:27	7°♈25'44	
max. Earth dist.	-6697 May 21 j 04:46	8°♈22'34	19.38866 AU
conjunction	-6697 May 22 j 13:39	8°♈27'41	-0°17'32
minimum elong	-6697 May 22 j 13:39	8°♈27'41	0°17'31
morning rise	-6697 Jun 08 j 03:14	9°♈29'08	
retrograde	-6697 Sep 07 j 18:44	12°♈50'09	
opposition	-6697 Nov 19 j 23:29	10°♈47'38	-0°17'07
min. Earth dist.	-6697 Nov 21 j 03:07	10°♈44'36	17.36924 AU
direct	-6696 Feb 04 j 01:28	8°♈41'05	
evening set	-6696 May 10 j 01:20	12°♈10'12	
max. Earth dist.	-6696 May 25 j 08:28	13°♈07'04	19.35045 AU
conjunction	-6696 May 26 j 17:38	13°♈12'15	-0°13'07
minimum elong	-6696 May 26 j 17:39	13°♈12'15	0°13'03
behind sun begin	-6696 May 26 j 13:41	13°♈11'38	
behind sun end	-6696 May 26 j 21:36	13°♈12'51	
morning rise	-6696 Jun 12 j 06:06	14°♈13'45	
retrograde	-6696 Sep 11 j 17:41	17°♈35'08	
opposition	-6696 Nov 23 j 22:32	15°♈32'41	-0°12'06
min. Earth dist.	-6696 Nov 25 j 03:11	15°♈29'32	17.33399 AU
direct	-6695 Feb 08 j 01:54	13°♈26'00	
evening set	-6695 May 15 j 06:29	16°♈56'00	
conjunction	-6695 May 31 j 21:48	17°♈58'06	-0°08'35
minimum elong	-6695 May 31 j 21:49	17°♈58'06	0°08'29
behind sun begin	-6695 May 31 j 15:56	17°♈57'12	
behind sun end	-6695 Jun 01 j 03:42	17°♈59'00	
max. Earth dist.	-6695 May 30 j 12:56	17°♈52'56	19.31811 AU
morning rise	-6695 Jun 17 j 09:13	18°♈59'38	
retrograde	-6695 Sep 16 j 19:16	22°♈21'22	
opposition	-6695 Nov 28 j 22:24	20°♈18'59	-0°06'59

min. Earth dist.	-6695 Nov 30 j 01:58	20°♈15'58	17.30438 AU
direct	-6694 Feb 13 j 05:19	18°♈12'14	
evening set	-6694 May 20 j 11:41	21°♈42'59	
max. Earth dist.	-6694 Jun 04 j 17:45	22°♈40'02	19.29118 AU
conjunction	-6694 Jun 06 j 02:02	22°♈45'07	-0°03'58
minimum elong	-6694 Jun 06 j 02:01	22°♈45'07	0°03'51
behind sun begin	-6694 Jun 05 j 19:21	22°♈44'05	
behind sun end	-6694 Jun 06 j 08:41	22°♈46'08	
morning rise	-6694 Jun 22 j 12:06	23°♈46'39	
retrograde	-6694 Sep 21 j 19:25	27°♈08'41	
opposition	-6694 Dec 03 j 23:10	25°♈06'23	-0°01'47
min. Earth dist.	-6694 Dec 05 j 03:33	25°♈03'17	17.28021 AU
direct	-6693 Feb 18 j 07:07	22°♈59'36	
asc. node	-6693 Apr 08 j 16:22	24°♈02'05	
evening set	-6693 May 25 j 17:11	26°♈30'59	
max. Earth dist.	-6693 Jun 09 j 22:01	27°♈28'00	19.26966 AU
conjunction	-6693 Jun 11 j 06:19	27°♈33'06	0°00'49
minimum elong	-6693 Jun 11 j 06:19	27°♈33'06	0°00'59
behind sun begin	-6693 Jun 10 j 23:36	27°♈32'04	
behind sun end	-6693 Jun 11 j 13:02	27°♈34'08	
morning rise	-6693 Jun 27 j 15:18	28°♈34'38	
	-6693 Jul 22 j 04:42	0°♉	
retrograde	-6693 Sep 26 j 21:26	1°♉56'54	
	-6693 Dec 06 j 23:26	30°℞♈	
opposition	-6693 Dec 09 j 00:16	29°♈54'40	0°03'27
min. Earth dist.	-6693 Dec 10 j 03:25	29°♈51'42	17.26123 AU
direct	-6692 Feb 23 j 11:33	27°♈47'52	
	-6692 May 07 j 03:49	0°♉	
evening set	-6692 May 29 j 22:41	1°♉19'45	
max. Earth dist.	-6692 Jun 14 j 03:41	2°♉16'56	19.25314 AU
conjunction	-6692 Jun 15 j 10:44	2°♉21'51	0°05'32
minimum elong	-6692 Jun 15 j 10:44	2°♉21'51	0°05'43
behind sun begin	-6692 Jun 15 j 04:18	2°♉20'51	
behind sun end	-6692 Jun 15 j 17:10	2°♉22'50	
morning rise	-6692 Jul 01 j 18:16	3°♉23'18	
retrograde	-6692 Sep 30 j 22:07	6°♉45'45	
opposition	-6692 Dec 13 j 02:20	4°♉43'37	0°08'40
min. Earth dist.	-6692 Dec 14 j 05:59	4°♉40'36	17.24724 AU
direct	-6691 Feb 27 j 14:34	2°♉36'48	
evening set	-6691 Jun 04 j 04:07	6°♉09'04	
max. Earth dist.	-6691 Jun 19 j 07:36	7°♉06'08	19.24172 AU
conjunction	-6691 Jun 20 j 14:44	7°♉11'04	0°10'10
minimum elong	-6691 Jun 20 j 14:44	7°♉11'04	0°10'23
behind sun begin	-6691 Jun 20 j 09:29	7°♉10'15	
behind sun end	-6691 Jun 20 j 20:00	7°♉11'53	
morning rise	-6691 Jul 06 j 21:06	8°♉12'28	
retrograde	-6691 Oct 06 j 00:03	11°♉35'02	
opposition	-6691 Dec 18 j 04:44	9°♉32'56	0°13'50
min. Earth dist.	-6691 Dec 19 j 06:49	9°♉30'06	17.23836 AU
direct	-6690 Mar 04 j 19:55	7°♉26'08	
evening set	-6690 Jun 09 j 09:11	10°♉58'38	
conjunction	-6690 Jun 25 j 18:40	12°♉00'33	0°14'44
minimum elong	-6690 Jun 25 j 18:40	12°♉00'33	0°15'00
behind sun begin	-6690 Jun 25 j 16:16	12°♉00'10	
behind sun end	-6690 Jun 25 j 21:04	12°♉00'55	
max. Earth dist.	-6690 Jun 24 j 13:36	11°♉55'56	19.23542 AU
morning rise	-6690 Jul 11 j 23:33	13°♉01'49	
	-6690 Aug 16 j 05:26	15°♉	
retrograde	-6690 Oct 11 j 00:45	16°♉24'26	
	-6690 Dec 08 j 15:38	15°℞♉	
opposition	-6690 Dec 23 j 07:38	14°♉22'24	0°18'54
min. Earth dist.	-6690 Dec 24 j 09:35	14°♉19'34	17.23471 AU

Attention, astronomical year style is used: The year -6689 in astronomical counting style is the year 6690 BCE in historical counting style.

direct	-6689 Mar 10 j 00:25	12°♉15'39	
	-6689 Jun 01 j 05:46	15°♉	
evening set	-6689 Jun 14 j 13:58	15°♉48'12	
conjunction	-6689 Jun 30 j 21:59	16°♉49'59	0°19'12
minimum elong	-6689 Jun 30 j 21:59	16°♉49'59	0°19'29
max. Earth dist.	-6689 Jun 29 j 17:04	16°♉45'23	19.23457 AU
morning rise	-6689 Jul 17 j 01:44	17°♉51'08	
retrograde	-6689 Oct 16 j 01:34	21°♉13'45	
opposition	-6689 Dec 28 j 10:43	19°♉11'44	0°23'49
min. Earth dist.	-6689 Dec 29 j 10:57	19°♉09'06	17.23662 AU
direct	-6688 Mar 14 j 06:31	17°♉05'01	
evening set	-6688 Jun 18 j 18:11	20°♉37'31	
max. Earth dist.	-6688 Jul 03 j 22:47	21°♉34'59	19.23930 AU
conjunction	-6688 Jul 05 j 01:01	21°♉39'09	0°23'32
minimum elong	-6688 Jul 05 j 01:00	21°♉39'09	0°23'52
morning rise	-6688 Jul 21 j 03:15	22°♉40'08	
retrograde	-6688 Oct 20 j 01:46	26°♉02'40	
opposition	-6687 Jan 01 j 14:07	24°♉00'41	0°28'34
min. Earth dist.	-6687 Jan 02 j 13:28	23°♉58'10	17.24420 AU
direct	-6687 Mar 19 j 12:35	21°♉54'04	
evening set	-6687 Jun 23 j 22:00	25°♉26'21	
max. Earth dist.	-6687 Jul 09 j 01:48	26°♉23'44	19.25000 AU
conjunction	-6687 Jul 10 j 03:16	26°♉27'47	0°27'41
minimum elong	-6687 Jul 10 j 03:16	26°♉27'47	0°28'02
morning rise	-6687 Jul 26 j 04:21	27°♉28'36	
	-6687 Sep 12 j 05:46	0°♊	
retrograde	-6687 Oct 25 j 01:46	0°♊51'01	
	-6687 Dec 08 j 12:19	30°℞♉	
opposition	-6686 Jan 06 j 17:42	28°♉49'03	0°33'06
min. Earth dist.	-6686 Jan 07 j 15:07	28°♉46'45	17.25809 AU
direct	-6686 Mar 24 j 18:38	26°♉42'32	
	-6686 Jun 25 j 02:45	0°♊	
evening set	-6686 Jun 29 j 00:48	0°♊14'29	
max. Earth dist.	-6686 Jul 14 j 06:36	1°♊12'10	19.26709 AU
conjunction	-6686 Jul 15 j 04:52	1°♊15'43	0°31'38
minimum elong	-6686 Jul 15 j 04:51	1°♊15'43	0°32'00
morning rise	-6686 Jul 31 j 04:34	2°♊16'20	
retrograde	-6686 Oct 30 j 01:40	5°♊38'33	
opposition	-6685 Jan 11 j 21:21	3°♊36'39	0°37'23
min. Earth dist.	-6685 Jan 12 j 16:54	3°♊34'33	17.27833 AU
direct	-6685 Mar 30 j 00:44	1°♊30'18	
evening set	-6685 Jul 04 j 03:14	5°♊01'47	
max. Earth dist.	-6685 Jul 19 j 08:52	5°♊59'27	19.29066 AU
conjunction	-6685 Jul 20 j 05:47	6°♊02'46	0°35'22
minimum elong	-6685 Jul 20 j 05:46	6°♊02'46	0°35'45
morning rise	-6685 Aug 05 j 04:19	7°♊03'11	
retrograde	-6685 Nov 04 j 01:07	10°♊25'10	
opposition	-6684 Jan 17 j 00:49	8°♊23'21	0°41'25
min. Earth dist.	-6684 Jan 17 j 18:29	8°♊21'27	17.30530 AU
direct	-6684 Apr 03 j 05:08	6°♊17'12	
evening set	-6684 Jul 08 j 04:49	9°♊48'07	
conjunction	-6684 Jul 24 j 06:07	10°♊48'52	0°38'50
minimum elong	-6684 Jul 24 j 06:06	10°♊48'52	0°39'14
max. Earth dist.	-6684 Jul 23 j 12:21	10°♊46'03	19.32097 AU
morning rise	-6684 Aug 09 j 03:22	11°♊49'03	
retrograde	-6684 Nov 08 j 01:28	15°♊10'45	
opposition	-6683 Jan 21 j 04:25	13°♊09'04	0°45'08
min. Earth dist.	-6683 Jan 21 j 19:27	13°♊07'28	17.33872 AU
direct	-6683 Apr 08 j 10:15	11°♊03'12	
evening set	-6683 Jul 13 j 05:36	14°♊33'26	

conjunction	-6683 Jul 29 j 05:29	15°♊33'55	0°42'02
minimum elong	-6683 Jul 29 j 05:29	15°♊33'55	0°42'28
max. Earth dist.	-6683 Jul 28 j 13:45	15°♊31'25	19.35762 AU
morning rise	-6683 Aug 14 j 01:39	16°♊33'51	
retrograde	-6683 Nov 13 j 00:37	19°♊55'16	
opposition	-6682 Jan 26 j 07:58	17°♊53'43	0°48'32
min. Earth dist.	-6682 Jan 26 j 21:13	17°♊52'18	17.37848 AU
direct	-6682 Apr 13 j 13:02	15°♊48'10	
evening set	-6682 Jul 18 j 05:35	19°♊17'39	
conjunction	-6682 Aug 03 j 04:15	20°♊17'50	0°44'57
minimum elong	-6682 Aug 03 j 04:15	20°♊17'50	0°45'22
max. Earth dist.	-6682 Aug 02 j 15:25	20°♊15'48	19.40033 AU
morning rise	-6682 Aug 18 j 23:20	21°♊17'31	
retrograde	-6682 Nov 18 j 01:11	24°♊38'35	
opposition	-6681 Jan 31 j 11:05	22°♊37'12	0°51'36
min. Earth dist.	-6681 Jan 31 j 21:22	22°♊36'07	17.42376 AU
direct	-6681 Apr 18 j 17:42	20°♊32'02	
evening set	-6681 Jul 23 j 04:47	24°♊00'38	
conjunction	-6681 Aug 08 j 02:13	25°♊00'32	0°47'32
minimum elong	-6681 Aug 08 j 02:13	25°♊00'32	0°47'59
max. Earth dist.	-6681 Aug 07 j 15:44	24°♊58'52	19.44813 AU
morning rise	-6681 Aug 23 j 20:18	25°♊59'57	
retrograde	-6681 Nov 22 j 23:01	29°♊20'38	
opposition	-6680 Feb 05 j 14:12	27°♊19'25	0°54'18
min. Earth dist.	-6680 Feb 05 j 23:07	27°♊18'29	17.47392 AU
direct	-6680 Apr 22 j 19:40	25°♊14'38	
evening set	-6680 Jul 27 j 03:05	28°♊42'16	
conjunction	-6680 Aug 11 j 23:18	29°♊41'52	0°49'48
minimum elong	-6680 Aug 11 j 23:18	29°♊41'52	0°50'15
max. Earth dist.	-6680 Aug 11 j 15:12	29°♊40'35	19.50042 AU
	-6680 Aug 16 j 18:06	0°♋	
morning rise	-6680 Aug 27 j 16:28	0°♋41'00	
retrograde	-6680 Nov 26 j 22:56	4°♋01'16	
opposition	-6679 Feb 09 j 16:55	2°♋00'13	0°56'38
min. Earth dist.	-6679 Feb 09 j 22:38	1°♋59'37	17.52803 AU
	-6679 Apr 15 j 07:05	30°℞♊	
direct	-6679 Apr 28 j 00:06	29°♊55'50	
	-6679 May 10 j 14:47	0°♋	
evening set	-6679 Aug 01 j 00:33	3°♋22'25	
conjunction	-6679 Aug 16 j 19:42	4°♋21'41	0°51'44
minimum elong	-6679 Aug 16 j 19:42	4°♋21'41	0°52'10
max. Earth dist.	-6679 Aug 16 j 14:15	4°♋20'50	19.55626 AU
morning rise	-6679 Sep 01 j 11:56	5°♋20'33	
retrograde	-6679 Dec 01 j 19:13	8°♋40'22	
opposition	-6678 Feb 14 j 19:24	6°♋39'27	0°58'33
min. Earth dist.	-6678 Feb 14 j 23:55	6°♋38'58	17.58553 AU
direct	-6678 May 03 j 01:25	4°♋35'28	
evening set	-6678 Aug 05 j 20:58	8°♋00'54	
conjunction	-6678 Aug 21 j 15:03	8°♋59'51	0°53'18
minimum elong	-6678 Aug 21 j 15:03	8°♋59'51	0°53'45
max. Earth dist.	-6678 Aug 21 j 11:27	8°♋59'17	19.61518 AU
morning rise	-6678 Sep 06 j 06:38	9°♋58'26	
retrograde	-6678 Dec 06 j 17:41	13°♋17'45	
opposition	-6677 Feb 19 j 21:11	11°♋16'57	1°00'06
min. Earth dist.	-6677 Feb 19 j 22:29	11°♋16'49	17.64558 AU
direct	-6677 May 08 j 04:53	9°♋13'22	
evening set	-6677 Aug 10 j 16:29	12°♋37'36	
conjunction	-6677 Aug 26 j 09:42	13°♋36'14	0°54'31
minimum elong	-6677 Aug 26 j 09:42	13°♋36'14	0°54'56
max. Earth dist.	-6677 Aug 26 j 08:56	13°♋36'06	19.67624 AU
morning rise	-6677 Sep 11 j 00:29	14°♋34'31	

Attention, astronomical year style is used: The year -6677 in astronomical counting style is the year 6678 BCE in historical counting style.

retrograde	-6677 Dec 11 j 12:22	17°♋53'17	
opposition	-6676 Feb 24 j 22:32	15°♋52'37	1°01'14
min. Earth dist.	-6676 Feb 24 j 22:44	15°♋52'36	17.70762 AU
direct	-6676 May 12 j 05:01	13°♋49'25	
evening set	-6676 Aug 14 j 11:05	17°♋12'22	
conjunction	-6676 Aug 30 j 03:19	18°♋10'40	0°55'22
minimum elong	-6676 Aug 30 j 03:19	18°♋10'40	0°55'48
max. Earth dist.	-6676 Aug 30 j 04:05	18°♋10'47	19.73923 AU
morning rise	-6676 Sep 14 j 17:39	19°♋08'41	
retrograde	-6676 Dec 15 j 09:24	22°♋26'53	
opposition	-6675 Feb 28 j 23:13	20°♋26'18	1°01'57
min. Earth dist.	-6675 Feb 28 j 20:10	20°♋26'37	17.77139 AU
direct	-6675 May 17 j 06:44	18°♋23'28	
evening set	-6675 Aug 19 j 04:22	21°♋45'05	
conjunction	-6675 Sep 03 j 19:58	22°♋43'04	0°55'52
minimum elong	-6675 Sep 03 j 19:58	22°♋43'04	0°56'18
max. Earth dist.	-6675 Sep 03 j 23:56	22°♋43'41	19.80373 AU
morning rise	-6675 Sep 19 j 09:44	23°♋40'48	
retrograde	-6675 Dec 20 j 02:38	26°♋58'26	
opposition	-6674 Mar 05 j 23:20	24°♋57'54	1°02'18
min. Earth dist.	-6674 Mar 05 j 19:01	24°♋58'20	17.83663 AU
direct	-6674 May 22 j 05:37	22°♋55'26	
evening set	-6674 Aug 23 j 20:49	26°♋15'41	
conjunction	-6674 Sep 08 j 11:38	27°♋13'21	0°56'01
minimum elong	-6674 Sep 08 j 11:38	27°♋13'21	0°56'25
max. Earth dist.	-6674 Sep 08 j 17:01	27°♋14'11	19.86979 AU
morning rise	-6674 Sep 24 j 01:11	28°♋10'48	
	-6674 Oct 27 j 05:31	0°♌	
retrograde	-6674 Dec 24 j 21:47	1°♌27'48	
	-6673 Feb 25 j 13:44	30°℞♋	
opposition	-6673 Mar 10 j 22:19	29°♋27'20	1°02'15
min. Earth dist.	-6673 Mar 10 j 14:53	29°♋28'06	17.90345 AU
direct	-6673 May 27 j 04:33	27°♋25'13	
	-6673 Aug 15 j 23:28	0°♌	
evening set	-6673 Aug 28 j 12:04	0°♌44'05	
conjunction	-6673 Sep 13 j 02:26	1°♌41'26	0°55'49
minimum elong	-6673 Sep 13 j 02:26	1°♌41'26	0°56'14
max. Earth dist.	-6673 Sep 13 j 11:14	1°♌42'48	19.93731 AU
morning rise	-6673 Sep 28 j 15:32	2°♌38'38	
retrograde	-6673 Dec 29 j 13:47	5°♌55'00	
opposition	-6672 Mar 14 j 20:49	3°♌54'35	1°01'50
min. Earth dist.	-6672 Mar 14 j 11:48	3°♌55'31	17.97178 AU
direct	-6672 May 31 j 01:42	1°♌52'51	
evening set	-6672 Sep 01 j 02:21	5°♌10'19	
conjunction	-6672 Sep 16 j 16:02	6°♌07'22	0°55'18
minimum elong	-6672 Sep 16 j 16:02	6°♌07'22	0°55'41
max. Earth dist.	-6672 Sep 17 j 02:18	6°♌08'56	20.00651 AU
morning rise	-6672 Oct 02 j 05:06	7°♌04'18	
retrograde	-6671 Jan 02 j 07:16	10°♌20'04	
opposition	-6671 Mar 19 j 18:27	8°♌19'43	1°01'03
min. Earth dist.	-6671 Mar 19 j 06:17	8°♌20'57	18.04187 AU
direct	-6671 Jun 04 j 21:35	6°♌18'21	
evening set	-6671 Sep 05 j 15:37	9°♌34'26	
conjunction	-6671 Sep 21 j 05:03	10°♌31'11	0°54'28
minimum elong	-6671 Sep 21 j 05:03	10°♌31'11	0°54'50
max. Earth dist.	-6671 Sep 21 j 18:49	10°♌33'18	20.07734 AU
morning rise	-6671 Oct 06 j 17:52	11°♌27'52	
retrograde	-6670 Jan 06 j 22:28	14°♌43'02	
opposition	-6670 Mar 24 j 15:12	12°♌42'46	0°59'55
min. Earth dist.	-6670 Mar 24 j 01:12	12°♌44'12	18.11344 AU
direct	-6670 Jun 09 j 16:46	10°♌41'51	
evening set	-6670 Sep 10 j 04:03	13°♌56'33	
conjunction	-6670 Sep 25 j 17:02	14°♌53'01	0°53'19
minimum elong	-6670 Sep 25 j 17:02	14°♌53'01	0°53'40
max. Earth dist.	-6670 Sep 26 j 08:00	14°♌55'18	20.14959 AU
	-6670 Sep 27 j 14:48	15°♌	
morning rise	-6670 Oct 11 j 06:02	15°♌49'28	
retrograde	-6669 Jan 11 j 14:58	19°♌04'02	
opposition	-6669 Mar 29 j 11:05	17°♌03'53	0°58'27
min. Earth dist.	-6669 Mar 28 j 18:26	17°♌05'35	18.18623 AU
direct	-6669 Jun 14 j 09:58	15°♌03'23	
evening set	-6669 Sep 14 j 15:28	18°♌16'45	
conjunction	-6669 Sep 30 j 04:23	19°♌12'57	0°51'53
minimum elong	-6669 Sep 30 j 04:23	19°♌12'57	0°52'12
max. Earth dist.	-6669 Sep 30 j 22:37	19°♌15'43	20.22264 AU
morning rise	-6669 Oct 15 j 17:17	20°♌09'10	
retrograde	-6668 Jan 16 j 05:16	23°♌23'08	
min. Earth dist.	-6668 Apr 01 j 11:47	21°♌25'01	18.25941 AU
opposition	-6668 Apr 02 j 06:13	21°♌23'09	0°56'40
direct	-6668 Jun 18 j 03:25	19°♌23'07	
evening set	-6668 Sep 18 j 02:17	22°♌35'08	
conjunction	-6668 Oct 03 j 14:54	23°♌31'04	0°50'09
minimum elong	-6668 Oct 03 j 14:54	23°♌31'04	0°50'28
max. Earth dist.	-6668 Oct 04 j 10:05	23°♌33'58	20.29591 AU
morning rise	-6668 Oct 19 j 04:09	24°♌27'05	
retrograde	-6667 Jan 19 j 21:02	27°♌40'29	
min. Earth dist.	-6667 Apr 06 j 04:07	25°♌42'42	18.33260 AU
opposition	-6667 Apr 07 j 00:38	25°♌40'37	0°54'34
direct	-6667 Jun 22 j 19:03	23°♌41'02	
evening set	-6667 Sep 22 j 12:07	26°♌51'45	
conjunction	-6667 Oct 08 j 00:52	27°♌47'27	0°48'10
minimum elong	-6667 Oct 08 j 00:52	27°♌47'27	0°48'25
max. Earth dist.	-6667 Oct 08 j 22:58	27°♌50'47	20.36865 AU
morning rise	-6667 Oct 23 j 14:13	28°♌43'15	
	-6667 Nov 15 j 16:38	0°♍	
retrograde	-6666 Jan 24 j 10:33	1°♍56'06	
	-6666 Apr 10 j 06:16	30°℞♌	
opposition	-6666 Apr 11 j 18:11	29°♌56'22	0°52'11
min. Earth dist.	-6666 Apr 10 j 20:06	29°♌58'36	18.40470 AU
direct	-6666 Jun 27 j 10:52	27°♌57'13	
	-6666 Sep 06 j 22:41	0°♍	
evening set	-6666 Sep 26 j 21:33	1°♍06'40	
conjunction	-6666 Oct 12 j 10:09	2°♍02'08	0°45'55
minimum elong	-6666 Oct 12 j 10:09	2°♍02'08	0°46'10
max. Earth dist.	-6666 Oct 13 j 08:44	2°♍05'31	20.43998 AU
morning rise	-6666 Oct 28 j 00:00	2°♍57'44	
retrograde	-6665 Jan 29 j 00:52	6°♍10'01	
min. Earth dist.	-6665 Apr 15 j 11:28	4°♍12'46	18.47517 AU
opposition	-6665 Apr 16 j 10:50	4°♍10'24	0°49'32
direct	-6665 Jul 02 j 01:01	2°♍11'40	
evening set	-6665 Oct 01 j 06:09	5°♍19'53	
conjunction	-6665 Oct 16 j 19:02	6°♍15'08	0°43'25
minimum elong	-6665 Oct 16 j 19:02	6°♍15'08	0°43'38
max. Earth dist.	-6665 Oct 17 j 20:02	6°♍18'51	20.50923 AU
morning rise	-6665 Nov 01 j 09:06	7°♍10'33	
retrograde	-6664 Feb 02 j 13:17	10°♍22'17	
min. Earth dist.	-6664 Apr 19 j 02:01	8°♍25'16	18.54307 AU
opposition	-6664 Apr 20 j 02:49	8°♍22'46	0°46'38
direct	-6664 Jul 05 j 15:30	6°♍24'25	
evening set	-6664 Oct 04 j 14:12	9°♍31'25	
conjunction	-6664 Oct 20 j 03:06	10°♍26'26	0°40'43

Attention, astronomical year style is used: The year -6664 in astronomical counting style is the year 6665 BCE in historical counting style.

minimum elong	-6664 Oct 20 j 03:06	10°♑26'27	0°40'55
max. Earth dist.	-6664 Oct 21 j 04:17	10°♑30'11	20.57566 AU
morning rise	-6664 Nov 04 j 17:50	11°♑21'43	
retrograde	-6663 Feb 06 j 01:52	14°♑32'55	
opposition	-6663 Apr 24 j 18:06	12°♑33'27	0°43'30
min. Earth dist.	-6663 Apr 23 j 16:33	12°♑36'01	18.60800 AU
direct	-6663 Jul 10 j 04:14	10°♑35'25	
evening set	-6663 Oct 08 j 21:34	13°♑41'15	
conjunction	-6663 Oct 24 j 10:56	14°♑36'06	0°37'49
minimum elong	-6663 Oct 24 j 10:57	14°♑36'06	0°37'58
max. Earth dist.	-6663 Oct 25 j 14:07	14°♑40'07	20.63881 AU
morning rise	-6663 Nov 09 j 02:04	15°♑31'12	
retrograde	-6662 Feb 10 j 13:17	18°♑41'52	
min. Earth dist.	-6662 Apr 28 j 05:30	16°♑45'07	18.66930 AU
opposition	-6662 Apr 29 j 08:17	16°♑42'26	0°40'09
direct	-6662 Jul 14 j 17:10	14°♑44'42	
evening set	-6662 Oct 13 j 04:29	17°♑49'23	
conjunction	-6662 Oct 28 j 18:04	18°♑44'03	0°34'44
minimum elong	-6662 Oct 28 j 18:04	18°♑44'03	0°34'52
max. Earth dist.	-6662 Oct 29 j 21:07	18°♑48'02	20.69828 AU
morning rise	-6662 Nov 13 j 10:00	19°♑39'02	
retrograde	-6661 Feb 14 j 23:38	22°♑49'10	
opposition	-6661 May 03 j 21:50	20°♑49'44	0°36'38
min. Earth dist.	-6661 May 02 j 18:47	20°♑52'26	18.72701 AU
direct	-6661 Jul 19 j 04:06	18°♑52'14	
evening set	-6661 Oct 17 j 10:30	21°♑55'49	
conjunction	-6661 Nov 02 j 00:40	22°♑50'20	0°31'29
minimum elong	-6661 Nov 02 j 00:40	22°♑50'20	0°31'36
max. Earth dist.	-6661 Nov 03 j 05:38	22°♑54'35	20.75413 AU
morning rise	-6661 Nov 17 j 17:06	23°♑45'11	
retrograde	-6660 Feb 19 j 10:12	26°♑54'48	
min. Earth dist.	-6660 May 06 j 06:07	24°♑58'11	18.78104 AU
opposition	-6660 May 07 j 10:28	24°♑55'21	0°32'57
direct	-6660 Jul 22 j 15:38	22°♑58'04	
evening set	-6660 Oct 20 j 16:14	26°♑00'37	
conjunction	-6660 Nov 05 j 06:44	26°♑54'59	0°28'07
minimum elong	-6660 Nov 05 j 06:44	26°♑54'59	0°28'11
max. Earth dist.	-6660 Nov 06 j 11:39	26°♑59'12	20.80653 AU
morning rise	-6660 Nov 21 j 00:03	27°♑49'44	
	-6659 Jan 04 j 03:27	0°♎	
retrograde	-6659 Feb 22 j 18:52	0°♎58'51	
	-6659 Apr 15 j 10:47	30°℞♑	
opposition	-6659 May 11 j 22:23	28°♑59'22	0°29'08
min. Earth dist.	-6659 May 10 j 17:58	29°♑02'13	18.83198 AU
direct	-6659 Jul 27 j 00:25	27°♑02'17	
	-6659 Oct 23 j 18:06	0°♎	
evening set	-6659 Oct 24 j 21:18	0°♎03'52	
conjunction	-6659 Nov 09 j 12:31	0°♎58'06	0°24'38
minimum elong	-6659 Nov 09 j 12:31	0°♎58'06	0°24'40
max. Earth dist.	-6659 Nov 10 j 19:14	1°♎02'35	20.85590 AU
morning rise	-6659 Nov 25 j 06:29	1°♎52'46	
retrograde	-6658 Feb 27 j 04:36	5°♎01'26	
min. Earth dist.	-6658 May 15 j 03:38	3°♎04'54	18.87982 AU
opposition	-6658 May 16 j 09:23	3°♎01'55	0°25'12
direct	-6658 Jul 31 j 10:24	1°♎05'02	
evening set	-6658 Oct 29 j 02:11	4°♎05'44	
conjunction	-6658 Nov 13 j 17:49	4°♎59'52	0°21'02
minimum elong	-6658 Nov 13 j 17:49	4°♎59'52	0°21'02
max. Earth dist.	-6658 Nov 15 j 00:18	5°♎04'18	20.90224 AU
morning rise	-6658 Nov 29 j 12:43	5°♎54'27	
retrograde	-6657 Mar 03 j 12:33	9°♎02'43	
opposition	-6657 May 20 j 19:43	7°♎03'12	0°21'11
min. Earth dist.	-6657 May 19 j 14:09	7°♎06'10	18.92483 AU
direct	-6657 Aug 04 j 17:13	5°♎06'31	
evening set	-6657 Nov 02 j 06:32	8°♎06'25	
conjunction	-6657 Nov 17 j 22:59	9°♎00'28	0°17'22
minimum elong	-6657 Nov 17 j 22:59	9°♎00'28	0°17'21
max. Earth dist.	-6657 Nov 19 j 07:00	9°♎05'06	20.94579 AU
morning rise	-6657 Dec 03 j 18:35	9°♎54'59	
retrograde	-6656 Mar 06 j 21:31	13°♎02'54	
min. Earth dist.	-6656 May 22 j 22:32	11°♎06'30	18.96685 AU
opposition	-6656 May 24 j 05:23	11°♎03'25	0°17'04
direct	-6656 Aug 08 j 01:41	9°♎06'56	
evening set	-6656 Nov 05 j 10:42	12°♎06'06	
conjunction	-6656 Nov 21 j 03:44	13°♎00'06	0°13'38
minimum elong	-6656 Nov 21 j 03:43	13°♎00'06	0°13'34
behind sun begin	-6656 Nov 21 j 00:02	12°♎59'34	
behind sun end	-6656 Nov 21 j 07:25	13°♎00'37	
max. Earth dist.	-6656 Nov 22 j 11:20	13°♎04'39	20.98626 AU
morning rise	-6656 Dec 07 j 00:24	13°♎54'34	
retrograde	-6655 Mar 11 j 05:32	17°♎02'12	
min. Earth dist.	-6655 May 27 j 08:19	15°♎05'46	19.00574 AU
opposition	-6655 May 28 j 14:37	15°♎02'45	0°12'53
direct	-6655 Aug 12 j 07:12	13°♎06'28	
evening set	-6655 Nov 09 j 14:41	16°♎05'00	
conjunction	-6655 Nov 25 j 08:39	16°♎58'57	0°09'51
minimum elong	-6655 Nov 25 j 08:39	16°♎58'57	0°09'46
behind sun begin	-6655 Nov 25 j 03:14	16°♎58'12	
behind sun end	-6655 Nov 25 j 14:03	16°♎59'43	
max. Earth dist.	-6655 Nov 26 j 17:22	17°♎03'40	21.02340 AU
morning rise	-6655 Dec 11 j 06:06	17°♎53'25	
retrograde	-6654 Mar 15 j 13:52	21°♎00'45	
opposition	-6654 Jun 01 j 22:59	19°♎01'23	0°08'39
min. Earth dist.	-6654 May 31 j 15:51	19°♎04'29	19.04094 AU
direct	-6654 Aug 16 j 14:21	17°♎05'18	
evening set	-6654 Nov 13 j 18:43	20°♎03'18	
conjunction	-6654 Nov 29 j 13:18	20°♎57'13	0°06'01
minimum elong	-6654 Nov 29 j 13:18	20°♎57'13	0°05'55
behind sun begin	-6654 Nov 29 j 07:01	20°♎56'20	
behind sun end	-6654 Nov 29 j 19:35	20°♎58'05	
max. Earth dist.	-6654 Nov 30 j 21:11	21°♎01'47	21.05662 AU
morning rise	-6654 Dec 15 j 11:52	21°♎51'40	
retrograde	-6653 Mar 19 j 21:39	24°♎58'48	
min. Earth dist.	-6653 Jun 05 j 01:06	23°♎02'29	19.07212 AU
opposition	-6653 Jun 06 j 07:10	22°♎59'29	0°04'23
direct	-6653 Aug 20 j 18:46	21°♎03'34	
evening set	-6653 Nov 17 j 22:26	24°♎01'06	
conjunction	-6653 Dec 03 j 18:00	24°♎55'01	0°02'09
minimum elong	-6653 Dec 03 j 18:01	24°♎55'01	0°02'00
behind sun begin	-6653 Dec 03 j 11:26	24°♎54'06	
behind sun end	-6653 Dec 04 j 00:36	24°♎55'56	
max. Earth dist.	-6653 Dec 05 j 02:39	24°♎59'41	21.08556 AU
morning rise	-6653 Dec 19 j 17:22	25°♎49'28	
retrograde	-6652 Mar 23 j 05:45	28°♎56'26	
min. Earth dist.	-6652 Jun 08 j 08:16	27°♎00'13	19.09862 AU
opposition	-6652 Jun 09 j 14:48	26°♎57'10	0°00'07
desc. node	-6652 Jun 18 j 21:05	26°♎35'05	
direct	-6652 Aug 24 j 01:14	25°♎01'25	
evening set	-6652 Nov 21 j 02:34	27°♎58'34	
conjunction	-6652 Dec 06 j 22:49	28°♎52'28	-0°01'50
minimum elong	-6652 Dec 06 j 22:50	28°♎52'28	0°02'00
behind sun begin	-6652 Dec 06 j 16:15	28°♎51'34	

Attention, astronomical year style is used: The year -6652 in astronomical counting style is the year 6653 BCE in historical counting style.

behind sun end	-6652 Dec 07 j 05:26	28°♎53'23	
max. Earth dist.	-6652 Dec 08 j 06:11	28°♎56'57	21.10953 AU
morning rise	-6652 Dec 22 j 23:21	29°♎46'57	
	-6652 Dec 26 j 21:42	0°♏	
retrograde	-6651 Mar 27 j 13:08	2°♏53'48	
opposition	-6651 Jun 13 j 22:07	0°♏54'34	-0°04'10
min. Earth dist.	-6651 Jun 12 j 17:14	0°♏57'27	19.12002 AU
	-6651 Jul 07 j 13:40	30°℞♎	
direct	-6651 Aug 28 j 04:43	28°♎58'55	
	-6651 Oct 16 j 18:08	0°♏	
evening set	-6651 Nov 25 j 06:37	1°♏55'45	
conjunction	-6651 Dec 11 j 04:00	2°♏49'41	-0°05'42
minimum elong	-6651 Dec 11 j 03:59	2°♏49'41	0°05'54
behind sun begin	-6651 Dec 10 j 21:41	2°♏48'48	
behind sun end	-6651 Dec 11 j 10:17	2°♏50'33	
max. Earth dist.	-6651 Dec 12 j 11:29	2°♏54'10	21.12814 AU
morning rise	-6651 Dec 27 j 05:21	3°♏44'12	
retrograde	-6650 Mar 31 j 21:20	6°♏50'55	
min. Earth dist.	-6650 Jun 17 j 00:03	4°♏54'35	19.13565 AU
opposition	-6650 Jun 18 j 04:57	4°♏51'41	-0°08'25
direct	-6650 Sep 01 j 10:49	2°♏56'06	
evening set	-6650 Nov 29 j 10:56	5°♏52'41	
conjunction	-6650 Dec 15 j 09:03	6°♏46'39	-0°09'30
minimum elong	-6650 Dec 15 j 09:02	6°♏46'39	0°09'43
behind sun begin	-6650 Dec 15 j 03:36	6°♏45'54	
behind sun end	-6650 Dec 15 j 14:29	6°♏47'25	
max. Earth dist.	-6650 Dec 16 j 14:45	6°♏50'53	21.14075 AU
morning rise	-6650 Dec 31 j 11:33	7°♏41'13	
retrograde	-6649 Apr 05 j 04:07	10°♏47'51	
min. Earth dist.	-6649 Jun 21 j 08:40	8°♏51'18	19.14529 AU
opposition	-6649 Jun 22 j 11:36	8°♏48'36	-0°12'37
direct	-6649 Sep 05 j 14:01	6°♏53'01	
evening set	-6649 Dec 03 j 15:11	9°♏49'24	
conjunction	-6649 Dec 19 j 14:26	10°♏43'26	-0°13'16
minimum elong	-6649 Dec 19 j 14:26	10°♏43'26	0°13'31
behind sun begin	-6649 Dec 19 j 10:45	10°♏42'55	
behind sun end	-6649 Dec 19 j 18:07	10°♏43'57	
max. Earth dist.	-6649 Dec 20 j 19:59	10°♏47'38	21.14746 AU
morning rise	-6648 Jan 04 j 17:49	11°♏38'04	
retrograde	-6648 Apr 08 j 12:17	14°♏44'37	
opposition	-6648 Jun 25 j 17:46	12°♏45'18	-0°16'45
min. Earth dist.	-6648 Jun 24 j 14:59	12°♏47'59	19.14898 AU
direct	-6648 Sep 08 j 19:36	10°♏49'40	
evening set	-6648 Dec 06 j 19:42	13°♏45'55	
conjunction	-6648 Dec 22 j 19:48	14°♏40'01	-0°16'58
minimum elong	-6648 Dec 22 j 19:48	14°♏40'01	0°17'14
max. Earth dist.	-6648 Dec 23 j 23:24	14°♏43'56	21.14832 AU
	-6648 Dec 28 j 16:40	15°♏	
morning rise	-6647 Jan 08 j 00:24	15°♏34'44	
retrograde	-6647 Apr 12 j 18:53	18°♏41'15	
opposition	-6647 Jun 29 j 23:48	16°♏41'50	-0°20'48
min. Earth dist.	-6647 Jun 28 j 23:09	16°♏44'19	19.14708 AU
	-6647 Aug 20 j 10:41	15°℞♏	
direct	-6647 Sep 12 j 22:58	14°♏46'06	
	-6647 Oct 06 j 04:24	15°♏	
evening set	-6647 Dec 11 j 00:21	17°♏42'18	
conjunction	-6647 Dec 27 j 01:37	18°♏36'29	-0°20'34
minimum elong	-6647 Dec 27 j 01:37	18°♏36'29	0°20'53
max. Earth dist.	-6647 Dec 28 j 04:55	18°♏40'21	21.14382 AU
morning rise	-6646 Jan 12 j 07:05	19°♏31'17	
retrograde	-6646 Apr 17 j 02:51	22°♏37'45	
min. Earth dist.	-6646 Jul 03 j 04:45	20°♏40'42	19.14004 AU
opposition	-6646 Jul 04 j 05:11	20°♏38'15	-0°24'44
direct	-6646 Sep 17 j 03:43	18°♏42'23	
evening set	-6646 Dec 15 j 05:19	21°♏38'37	
conjunction	-6646 Dec 31 j 07:25	22°♏32'54	-0°24'05
minimum elong	-6646 Dec 31 j 07:25	22°♏32'54	0°24'25
max. Earth dist.	-6645 Jan 01 j 08:45	22°♏36'29	21.13443 AU
morning rise	-6645 Jan 16 j 14:02	23°♏27'49	
retrograde	-6645 Apr 21 j 09:36	26°♏34'19	
opposition	-6645 Jul 08 j 10:40	24°♏34'41	-0°28'34
min. Earth dist.	-6645 Jul 07 j 12:19	24°♏36'56	19.12848 AU
direct	-6645 Sep 21 j 06:56	22°♏38'41	
evening set	-6645 Dec 19 j 10:17	25°♏35'01	
conjunction	-6644 Jan 04 j 13:35	26°♏29'26	-0°27'30
minimum elong	-6644 Jan 04 j 13:35	26°♏29'26	0°27'49
max. Earth dist.	-6644 Jan 05 j 14:39	26°♏32'58	21.12079 AU
morning rise	-6644 Jan 20 j 21:05	27°♏24'27	
	-6644 Mar 19 j 14:18	0°♐	
retrograde	-6644 Apr 24 j 18:01	0°♐31'02	
	-6644 May 31 j 10:35	30°℞♏	
opposition	-6644 Jul 11 j 15:52	28°♏31'18	-0°32'16
min. Earth dist.	-6644 Jul 10 j 17:40	28°♏33'33	19.11275 AU
direct	-6644 Sep 24 j 11:31	26°♏35'09	
evening set	-6644 Dec 22 j 15:57	29°♏31'40	
	-6644 Dec 31 j 02:49	0°♐	
conjunction	-6643 Jan 07 j 20:08	0°♐26'13	-0°30'46
minimum elong	-6643 Jan 07 j 20:08	0°♐26'13	0°31'08
max. Earth dist.	-6643 Jan 08 j 19:07	0°♐29'28	21.10308 AU
morning rise	-6643 Jan 24 j 04:47	1°♐21'23	
retrograde	-6643 Apr 29 j 01:01	4°♐28'05	
opposition	-6643 Jul 15 j 21:02	2°♐28'16	-0°35'49
min. Earth dist.	-6643 Jul 15 j 01:05	2°♐30'17	19.09317 AU
direct	-6643 Sep 28 j 14:26	0°♐31'57	
evening set	-6643 Dec 26 j 21:55	3°♐28'46	
conjunction	-6642 Jan 12 j 03:18	4°♐23'29	-0°33'55
minimum elong	-6642 Jan 12 j 03:18	4°♐23'29	0°34'17
max. Earth dist.	-6642 Jan 13 j 01:42	4°♐26'39	21.08165 AU
morning rise	-6642 Jan 28 j 12:48	5°♐18'48	
retrograde	-6642 May 03 j 10:30	8°♐25'39	
min. Earth dist.	-6642 Jul 19 j 06:29	6°♐27'46	19.06979 AU
opposition	-6642 Jul 20 j 02:07	6°♐25'46	-0°39'12
direct	-6642 Oct 02 j 19:25	4°♐29'18	
evening set	-6642 Dec 31 j 04:25	7°♐26'30	
conjunction	-6641 Jan 16 j 10:40	8°♐21'23	-0°36'54
minimum elong	-6641 Jan 16 j 10:39	8°♐21'23	0°37'18
max. Earth dist.	-6641 Jan 17 j 06:51	8°♐24'14	21.05638 AU
morning rise	-6641 Feb 01 j 21:13	9°♐16'52	
retrograde	-6641 May 07 j 17:43	12°♐23'57	
opposition	-6641 Jul 24 j 07:27	10°♐24'00	-0°42'26
min. Earth dist.	-6641 Jul 23 j 14:14	10°♐25'46	19.04267 AU
direct	-6641 Oct 06 j 22:09	8°♐27'23	
evening set	-6640 Jan 04 j 11:25	11°♐25'03	
conjunction	-6640 Jan 20 j 18:52	12°♐20'08	-0°39'44
minimum elong	-6640 Jan 20 j 18:52	12°♐20'08	0°40'08
max. Earth dist.	-6640 Jan 21 j 14:14	12°♐22'52	21.02744 AU
morning rise	-6640 Feb 06 j 06:15	13°♐15'47	
retrograde	-6640 May 11 j 04:19	16°♐23'08	
opposition	-6640 Jul 27 j 12:40	14°♐23'09	-0°45'28
min. Earth dist.	-6640 Jul 26 j 20:06	14°♐24'51	19.01169 AU
direct	-6640 Oct 10 j 03:44	12°♐26'22	
evening set	-6639 Jan 07 j 19:19	15°♐24'36	

Attention, astronomical year style is used: The year -6639 in astronomical counting style is the year 6640 BCE in historical counting style.

conjunction	-6639 Jan 24 j 03:39	16°♐19'52	-0°42'23
minimum elong	-6639 Jan 24 j 03:39	16°♐19'52	0°42'48
max. Earth dist.	-6639 Jan 24 j 20:26	16°♐22'15	20.99443 AU
morning rise	-6639 Feb 09 j 16:05	17°♐15'43	
retrograde	-6639 May 15 j 12:19	20°♐23'23	
opposition	-6639 Jul 31 j 18:17	18°♐23'23	-0°48'18
min. Earth dist.	-6639 Jul 31 j 04:34	18°♐24'47	18.97656 AU
direct	-6639 Oct 14 j 06:51	16°♐26'24	
evening set	-6638 Jan 12 j 03:49	19°♐25'17	
conjunction	-6638 Jan 28 j 13:18	20°♐20'46	-0°44'50
minimum elong	-6638 Jan 28 j 13:18	20°♐20'46	0°45'16
max. Earth dist.	-6638 Jan 29 j 04:42	20°♐22'58	20.95712 AU
morning rise	-6638 Feb 14 j 02:27	21°♐16'49	
retrograde	-6638 May 19 j 23:32	24°♐24'49	
opposition	-6638 Aug 04 j 23:53	22°♐24'47	-0°50'54
min. Earth dist.	-6638 Aug 04 j 11:11	22°♐26'05	18.93689 AU
direct	-6638 Oct 18 j 13:13	20°♐27'35	
evening set	-6637 Jan 16 j 13:13	23°♐27'11	
conjunction	-6637 Feb 01 j 23:32	24°♐22'55	-0°47'05
minimum elong	-6637 Feb 01 j 23:32	24°♐22'55	0°47'30
max. Earth dist.	-6637 Feb 02 j 11:56	24°♐24'41	20.91507 AU
morning rise	-6637 Feb 18 j 13:36	25°♐19'10	
retrograde	-6637 May 24 j 08:42	28°♐27'34	
opposition	-6637 Aug 09 j 06:03	26°♐27'28	-0°53'16
min. Earth dist.	-6637 Aug 08 j 20:26	26°♐28'27	18.89246 AU
direct	-6637 Oct 22 j 17:24	24°♐30'00	
evening set	-6636 Jan 20 j 23:07	27°♐30'22	
conjunction	-6636 Feb 06 j 10:35	28°♐26'21	-0°49'06
minimum elong	-6636 Feb 06 j 10:35	28°♐26'21	0°49'32
max. Earth dist.	-6636 Feb 06 j 21:10	28°♐27'51	20.86825 AU
morning rise	-6636 Feb 23 j 01:23	29°♐22'49	
	-6636 Mar 05 j 10:51	0°♑	
retrograde	-6636 May 27 j 20:24	2°♑31'36	
opposition	-6636 Aug 12 j 12:23	0°♑31'25	-0°55'22
min. Earth dist.	-6636 Aug 12 j 03:57	0°♑32'17	18.84309 AU
	-6636 Aug 25 j 07:52	30°℞♐	
direct	-6636 Oct 26 j 00:36	28°♐33'39	
	-6636 Dec 24 j 11:39	0°♑	
evening set	-6635 Jan 24 j 10:05	1°♑34'51	
conjunction	-6635 Feb 09 j 22:24	2°♑31'05	-0°50'52
minimum elong	-6635 Feb 09 j 22:24	2°♑31'05	0°51'18
max. Earth dist.	-6635 Feb 10 j 05:45	2°♑32'08	20.81643 AU
morning rise	-6635 Feb 26 j 14:02	3°♑27'48	
retrograde	-6635 Jun 01 j 06:36	6°♑36'59	
opposition	-6635 Aug 16 j 19:04	4°♑36'40	-0°57'13
min. Earth dist.	-6635 Aug 16 j 13:53	4°♑37'13	18.78895 AU
direct	-6635 Oct 30 j 06:14	2°♑38'33	
evening set	-6634 Jan 28 j 21:39	5°♑40'39	
conjunction	-6634 Feb 14 j 11:01	6°♑37'09	-0°52'23
minimum elong	-6634 Feb 14 j 11:01	6°♑37'09	0°52'50
max. Earth dist.	-6634 Feb 14 j 16:19	6°♑37'54	20.76019 AU
morning rise	-6634 Mar 03 j 03:18	7°♑34'05	
retrograde	-6634 Jun 05 j 18:43	10°♑43'42	
opposition	-6634 Aug 21 j 02:02	8°♑43'14	-0°58'46
min. Earth dist.	-6634 Aug 20 j 22:00	8°♑43'40	18.73060 AU
direct	-6634 Nov 03 j 14:14	6°♑44'44	
evening set	-6633 Feb 02 j 09:54	9°♑47'46	
conjunction	-6633 Feb 19 j 00:03	10°♑44'32	-0°53'39
minimum elong	-6633 Feb 19 j 00:02	10°♑44'32	0°54'05
max. Earth dist.	-6633 Feb 19 j 02:26	10°♑44'53	20.69995 AU
morning rise	-6633 Mar 07 j 17:01	11°♑41'44	
retrograde	-6633 Jun 10 j 05:34	14°♑51'47	
opposition	-6633 Aug 25 j 09:30	12°♑51'10	-1°00'01
min. Earth dist.	-6633 Aug 25 j 08:31	12°♑51'16	18.66872 AU
direct	-6633 Nov 07 j 21:25	10°♑52'15	
evening set	-6632 Feb 06 j 22:58	13°♑56'17	
conjunction	-6632 Feb 23 j 14:04	14°♑53'20	-0°54'38
minimum elong	-6632 Feb 23 j 14:04	14°♑53'20	0°55'03
max. Earth dist.	-6632 Feb 23 j 14:29	14°♑53'24	20.63668 AU
morning rise	-6632 Mar 11 j 07:38	15°♑50'46	
retrograde	-6632 Jun 13 j 18:15	19°♑01'18	
opposition	-6632 Aug 28 j 17:06	17°♑00'31	-1°00'58
min. Earth dist.	-6632 Aug 28 j 17:12	17°♑00'30	18.60410 AU
direct	-6632 Nov 11 j 06:26	15°♑01'09	
evening set	-6631 Feb 10 j 13:01	18°♑06'16	
conjunction	-6631 Feb 27 j 04:52	19°♑03'37	-0°55'20
minimum elong	-6631 Feb 27 j 04:52	19°♑03'37	0°55'46
max. Earth dist.	-6631 Feb 27 j 02:34	19°♑03'17	20.57083 AU
morning rise	-6631 Mar 15 j 22:58	20°♑01'19	
retrograde	-6631 Jun 18 j 05:59	23°♑12'20	
opposition	-6631 Sep 02 j 01:25	21°♑11'23	-1°01'36
min. Earth dist.	-6631 Sep 02 j 04:25	21°♑11'04	18.53731 AU
direct	-6631 Nov 15 j 14:54	19°♑11'35	
evening set	-6630 Feb 15 j 03:45	22°♑17'50	
conjunction	-6630 Mar 03 j 20:22	23°♑15'29	-0°55'45
minimum elong	-6630 Mar 03 j 20:22	23°♑15'29	0°56'09
max. Earth dist.	-6630 Mar 03 j 16:01	23°♑14'51	20.50326 AU
morning rise	-6630 Mar 20 j 14:55	24°♑13'26	
retrograde	-6630 Jun 22 j 19:38	27°♑24'59	
opposition	-6630 Sep 06 j 10:04	25°♑23'53	-1°01'55
min. Earth dist.	-6630 Sep 06 j 14:00	25°♑23'28	18.46906 AU
direct	-6630 Nov 20 j 01:30	23°♑23'40	
evening set	-6629 Feb 19 j 19:28	26°♑31'06	
conjunction	-6629 Mar 08 j 12:45	27°♑29'03	-0°55'52
minimum elong	-6629 Mar 08 j 12:45	27°♑29'03	0°56'17
max. Earth dist.	-6629 Mar 08 j 06:03	27°♑28'05	20.43442 AU
morning rise	-6629 Mar 25 j 07:39	28°♑27'16	
	-6629 Apr 23 j 16:56	0°♒	
retrograde	-6629 Jun 27 j 08:23	1°♒39'23	
	-6629 Sep 02 j 04:21	30°℞♑	
opposition	-6629 Sep 10 j 19:29	29°♑38'09	-1°01'55
min. Earth dist.	-6629 Sep 11 j 02:08	29°♑37'27	18.39989 AU
direct	-6629 Nov 24 j 10:43	27°♑37'31	
	-6628 Feb 10 j 13:47	0°♒	
evening set	-6628 Feb 24 j 12:00	0°♒46'12	
conjunction	-6628 Mar 12 j 05:59	1°♒44'27	-0°55'41
minimum elong	-6628 Mar 12 j 05:59	1°♒44'28	0°56'04
max. Earth dist.	-6628 Mar 11 j 21:03	1°♒43'09	20.36504 AU
morning rise	-6628 Mar 29 j 01:18	2°♒42'56	
retrograde	-6628 Jun 30 j 23:53	5°♒55'38	
opposition	-6628 Sep 14 j 05:26	3°♒54'18	-1°01'33
min. Earth dist.	-6628 Sep 14 j 13:04	3°♒53'29	18.33022 AU
direct	-6628 Nov 27 j 23:15	1°♒53'16	
evening set	-6627 Feb 28 j 05:42	5°♒03'15	
conjunction	-6627 Mar 17 j 00:16	6°♒01'49	-0°55'11
minimum elong	-6627 Mar 17 j 00:16	6°♒01'50	0°55'34
max. Earth dist.	-6627 Mar 16 j 13:13	6°♒00'12	20.29511 AU
morning rise	-6627 Apr 02 j 19:44	7°♒00'33	
retrograde	-6627 Jul 05 j 13:56	10°♒13'52	
opposition	-6627 Sep 18 j 16:10	8°♒12'28	-1°00'51
min. Earth dist.	-6627 Sep 19 j 02:31	8°♒11'22	18.26019 AU
direct	-6627 Dec 02 j 09:50	6°♒11'02	

Attention, astronomical year style is used: The year -6626 in astronomical counting style is the year 6627 BCE in historical counting style.

evening set	-6626 Mar 05 j 00:22	9°♒22'23	
conjunction	-6626 Mar 21 j 19:24	10°♒21'15	-0°54'23
minimum elong	-6626 Mar 21 j 19:24	10°♒21'16	0°54'45
max. Earth dist.	-6626 Mar 21 j 05:50	10°♒19'16	20.22508 AU
morning rise	-6626 Apr 07 j 15:08	11°♒20'15	
retrograde	-6626 Jul 10 j 07:10	14°♒34'11	
opposition	-6626 Sep 23 j 03:36	12°♒32'44	-0°59'48
min. Earth dist.	-6626 Sep 23 j 15:05	12°♒31'30	18.19003 AU
direct	-6626 Dec 06 j 23:51	10°♒30'56	
evening set	-6625 Mar 09 j 19:54	13°♒43'39	
conjunction	-6625 Mar 26 j 15:24	14°♒42'50	-0°53'15
minimum elong	-6625 Mar 26 j 15:25	14°♒42'50	0°53'35
max. Earth dist.	-6625 Mar 26 j 00:02	14°♒40'34	20.15468 AU
	-6625 Mar 31 j 11:30	15°♒	
morning rise	-6625 Apr 12 j 11:07	15°♒42'05	
retrograde	-6625 Jul 14 j 23:16	18°♒56'40	
opposition	-6625 Sep 27 j 15:59	16°♒55'09	-0°58'24
min. Earth dist.	-6625 Sep 28 j 06:10	16°♒53'38	18.11949 AU
	-6625 Nov 25 j 04:28	15°℞♒	
direct	-6625 Dec 11 j 12:30	14°♒52'58	
	-6625 Dec 27 j 19:11	15°♒	
evening set	-6624 Mar 13 j 16:41	18°♒07'05	
conjunction	-6624 Mar 30 j 12:28	19°♒06'34	-0°51'48
minimum elong	-6624 Mar 30 j 12:29	19°♒06'34	0°52'07
max. Earth dist.	-6624 Mar 29 j 18:08	19°♒03'51	20.08400 AU
morning rise	-6624 Apr 16 j 08:19	20°♒06'05	
retrograde	-6624 Jul 18 j 17:43	23°♒21'17	
opposition	-6624 Oct 01 j 04:58	21°♒19'42	-0°56'37
min. Earth dist.	-6624 Oct 01 j 20:34	21°♒18'02	18.04862 AU
direct	-6624 Dec 15 j 04:05	19°♒17'06	
evening set	-6623 Mar 18 j 14:27	22°♒32'38	
conjunction	-6623 Apr 04 j 10:36	23°♒32'26	-0°50'01
minimum elong	-6623 Apr 04 j 10:37	23°♒32'26	0°50'19
max. Earth dist.	-6623 Apr 03 j 14:32	23°♒29'26	20.01279 AU
morning rise	-6623 Apr 21 j 06:11	24°♒32'11	
retrograde	-6623 Jul 23 j 11:41	27°♒47'59	
opposition	-6623 Oct 05 j 19:05	25°♒46'20	-0°54'30
min. Earth dist.	-6623 Oct 06 j 13:10	25°♒44'23	17.97728 AU
direct	-6623 Dec 19 j 19:00	23°♒43'20	
evening set	-6622 Mar 23 j 13:04	27°♒00'14	
max. Earth dist.	-6622 Apr 08 j 10:02	27°♒56'50	19.94143 AU
conjunction	-6622 Apr 09 j 09:14	28°♒00'19	-0°47'56
minimum elong	-6622 Apr 09 j 09:14	28°♒00'19	0°48'12
morning rise	-6622 Apr 26 j 04:46	29°♒00'19	
	-6622 May 13 j 21:02	0°♓	
retrograde	-6622 Jul 28 j 07:02	2°♓16'44	
opposition	-6622 Oct 10 j 09:52	0°♓14'57	-0°52'01
min. Earth dist.	-6622 Oct 11 j 05:19	0°♓12'51	17.90601 AU
	-6622 Oct 16 j 04:26	30°℞♒	
direct	-6622 Dec 24 j 12:28	28°♒11'30	
	-6621 Mar 01 j 03:51	0°♓	
evening set	-6621 Mar 28 j 12:29	1°♓29'48	
max. Earth dist.	-6621 Apr 13 j 08:29	2°♓26'29	19.87026 AU
conjunction	-6621 Apr 14 j 08:53	2°♓30'09	-0°45'32
minimum elong	-6621 Apr 14 j 08:53	2°♓30'09	0°45'47
morning rise	-6621 May 01 j 03:58	3°♓30'23	
retrograde	-6621 Aug 02 j 02:14	6°♓47'21	
opposition	-6621 Oct 15 j 01:27	4°♓45'28	-0°49'12
min. Earth dist.	-6621 Oct 15 j 22:57	4°♓43'08	17.83521 AU
direct	-6621 Dec 29 j 05:24	2°♓41'35	
evening set	-6620 Apr 01 j 12:51	6°♓01'14	
max. Earth dist.	-6620 Apr 17 j 05:40	6°♓57'42	19.80009 AU
conjunction	-6620 Apr 18 j 09:06	7°♓01'51	-0°42'50
minimum elong	-6620 Apr 18 j 09:06	7°♓01'51	0°43'03
morning rise	-6620 May 05 j 04:01	8°♓02'18	
retrograde	-6620 Aug 05 j 22:23	11°♓19'51	
opposition	-6620 Oct 18 j 17:50	9°♓17'49	-0°46'04
min. Earth dist.	-6620 Oct 19 j 16:41	9°♓15'20	17.76582 AU
direct	-6619 Jan 02 j 00:39	7°♓13'29	
evening set	-6619 Apr 06 j 13:49	10°♓34'28	
max. Earth dist.	-6619 Apr 22 j 06:07	11°♓31'06	19.73153 AU
conjunction	-6619 Apr 23 j 10:06	11°♓35'20	-0°39'51
minimum elong	-6619 Apr 23 j 10:06	11°♓35'20	0°40'03
morning rise	-6619 May 10 j 04:21	12°♓35'59	
retrograde	-6619 Aug 10 j 18:47	15°♓54'03	
opposition	-6619 Oct 23 j 11:03	13°♓51'55	-0°42'37
min. Earth dist.	-6619 Oct 24 j 11:19	13°♓49'16	17.69840 AU
direct	-6618 Jan 06 j 19:32	11°♓47'10	
evening set	-6618 Apr 11 j 15:35	15°♓09'27	
max. Earth dist.	-6618 Apr 27 j 04:57	16°♓05'54	19.66553 AU
conjunction	-6618 Apr 28 j 11:27	16°♓10'33	-0°36'37
minimum elong	-6618 Apr 28 j 11:27	16°♓10'33	0°36'45
morning rise	-6618 May 15 j 05:18	17°♓11'23	
retrograde	-6618 Aug 15 j 15:41	20°♓29'59	
opposition	-6618 Oct 28 j 05:05	18°♓27'43	-0°38'52
min. Earth dist.	-6618 Oct 29 j 06:28	18°♓24'57	17.63410 AU
direct	-6617 Jan 11 j 16:24	16°♓22'33	
evening set	-6617 Apr 16 j 17:39	19°♓46'06	
max. Earth dist.	-6617 May 02 j 07:01	20°♓42'46	19.60291 AU
conjunction	-6617 May 03 j 13:23	20°♓47'25	-0°33'07
minimum elong	-6617 May 03 j 13:24	20°♓47'25	0°33'13
morning rise	-6617 May 20 j 06:28	21°♓48'25	
retrograde	-6617 Aug 20 j 13:05	25°♓07'32	
opposition	-6617 Nov 01 j 23:58	23°♓05'10	-0°34'52
min. Earth dist.	-6617 Nov 03 j 02:02	23°♓02'19	17.57338 AU
direct	-6616 Jan 16 j 13:09	20°♓59'40	
evening set	-6616 Apr 20 j 20:40	24°♓24'25	
max. Earth dist.	-6616 May 06 j 07:23	25°♓20'57	19.54431 AU
conjunction	-6616 May 07 j 15:47	25°♓25'56	-0°29'23
minimum elong	-6616 May 07 j 15:47	25°♓25'56	0°29'28
morning rise	-6616 May 24 j 08:14	26°♓27'04	
retrograde	-6616 Aug 24 j 10:34	29°♓46'41	
opposition	-6616 Nov 05 j 19:36	27°♓44'14	-0°30'36
min. Earth dist.	-6616 Nov 06 j 22:41	27°♓41'16	17.51717 AU
direct	-6615 Jan 20 j 11:46	25°♓38'24	
evening set	-6615 Apr 26 j 00:03	29°♓04'21	
max. Earth dist.	-6615 May 11 j 10:50	0°♈01'06	19.49048 AU
	-6615 May 11 j 03:42	0°♈	
conjunction	-6615 May 12 j 18:45	0°♈06'02	-0°25'27
minimum elong	-6615 May 12 j 18:45	0°♈06'02	0°25'29
morning rise	-6615 May 29 j 10:15	1°♈07'17	
retrograde	-6615 Aug 29 j 09:03	4°♈27'23	
opposition	-6615 Nov 10 j 16:13	2°♈24'55	-0°26'07
min. Earth dist.	-6615 Nov 11 j 19:14	2°♈21'57	17.46584 AU
direct	-6614 Jan 25 j 11:02	0°♈18'51	
evening set	-6614 May 01 j 03:54	3°♈45'54	
conjunction	-6614 May 17 j 21:49	4°♈47'43	-0°21'19
minimum elong	-6614 May 17 j 21:49	4°♈47'43	0°21'21
max. Earth dist.	-6614 May 16 j 12:41	4°♈42'34	19.44179 AU
morning rise	-6614 Jun 03 j 12:28	5°♈49'04	
retrograde	-6614 Sep 03 j 07:07	9°♈09'38	

Attention, astronomical year style is used: The year -6614 in astronomical counting style is the year 6615 BCE in historical counting style.

opposition	-6614 Nov 15 j 13:39	7°♈07'10	-0°21'25
min. Earth dist.	-6614 Nov 16 j 17:35	7°♈04'07	17.41994 AU
direct	-6613 Jan 30 j 11:07	5°♈00'54	
evening set	-6613 May 06 j 08:13	8°♈29'00	
max. Earth dist.	-6613 May 21 j 16:54	9°♈25'52	19.39860 AU
conjunction	-6613 May 23 j 01:29	9°♈30'56	-0°17'02
minimum elong	-6613 May 23 j 01:29	9°♈30'56	0°17'00
morning rise	-6613 Jun 08 j 15:07	10°♈32'22	
retrograde	-6613 Sep 08 j 06:59	13°♈53'21	
opposition	-6613 Nov 20 j 11:42	11°♈50'57	-0°16'33
min. Earth dist.	-6613 Nov 21 j 15:12	11°♈47'56	17.37933 AU
direct	-6612 Feb 04 j 12:39	9°♈44'32	
evening set	-6612 May 10 j 13:08	13°♈13'36	
max. Earth dist.	-6612 May 25 j 20:17	14°♈10'27	19.36062 AU
conjunction	-6612 May 27 j 05:29	14°♈15'38	-0°12'36
minimum elong	-6612 May 27 j 05:29	14°♈15'38	0°12'33
behind sun begin	-6612 May 27 j 01:13	14°♈14'59	
behind sun end	-6612 May 27 j 09:45	14°♈16'17	
morning rise	-6612 Jun 12 j 18:02	15°♈17'08	
retrograde	-6612 Sep 12 j 06:01	18°♈38'30	
opposition	-6612 Nov 24 j 10:49	16°♈36'09	-0°11'32
min. Earth dist.	-6612 Nov 25 j 15:23	16°♈33'02	17.34404 AU
direct	-6611 Feb 08 j 13:51	14°♈29'37	
evening set	-6611 May 15 j 18:13	17°♈59'34	
max. Earth dist.	-6611 May 31 j 00:44	18°♈56'30	19.32785 AU
conjunction	-6611 Jun 01 j 09:36	19°♈01'38	-0°08'05
minimum elong	-6611 Jun 01 j 09:35	19°♈01'38	0°07'59
behind sun begin	-6611 Jun 01 j 03:35	19°♈00'43	
behind sun end	-6611 Jun 01 j 15:36	19°♈02'34	
morning rise	-6611 Jun 17 j 21:02	20°♈03'10	
retrograde	-6611 Sep 17 j 07:43	23°♈24'53	
opposition	-6611 Nov 29 j 10:38	21°♈22'36	-0°06'26
min. Earth dist.	-6611 Nov 30 j 14:20	21°♈19'35	17.31369 AU
direct	-6610 Feb 13 j 17:20	19°♈16'00	
evening set	-6610 May 20 j 23:35	22°♈46'41	
max. Earth dist.	-6610 Jun 05 j 05:16	23°♈43'39	19.29991 AU
conjunction	-6610 Jun 06 j 13:56	23°♈48'47	-0°03'29
minimum elong	-6610 Jun 06 j 13:56	23°♈48'47	0°03'20
behind sun begin	-6610 Jun 06 j 07:14	23°♈47'45	
behind sun end	-6610 Jun 06 j 20:38	23°♈49'49	
morning rise	-6610 Jun 23 j 00:05	24°♈50'19	
retrograde	-6610 Sep 22 j 07:16	28°♈12'19	
opposition	-6610 Dec 04 j 11:15	26°♈10'06	-0°01'15
min. Earth dist.	-6610 Dec 05 j 15:53	26°♈06'58	17.28829 AU
direct	-6609 Feb 18 j 18:57	24°♈03'24	
asc. node	-6609 Mar 01 j 21:38	24°♈06'42	
evening set	-6609 May 26 j 05:00	27°♈34'42	
max. Earth dist.	-6609 Jun 10 j 09:34	28°♈31'40	19.27692 AU
conjunction	-6609 Jun 11 j 18:12	28°♈36'48	0°01'18
minimum elong	-6609 Jun 11 j 18:13	28°♈36'48	0°01'28
behind sun begin	-6609 Jun 11 j 11:29	28°♈35'46	
behind sun end	-6609 Jun 12 j 00:56	28°♈37'50	
morning rise	-6609 Jun 28 j 03:15	29°♈38'19	
	-6609 Jul 04 j 01:41	0°♉	
retrograde	-6609 Sep 27 j 10:01	3°♉00'32	
opposition	-6609 Dec 09 j 12:25	0°♉58'21	0°03'58
min. Earth dist.	-6609 Dec 10 j 15:50	0°♉55'22	17.26761 AU
	-6608 Jan 01 j 16:08	30°℞♈	
direct	-6608 Feb 23 j 23:39	28°♈51'35	
	-6608 Apr 15 j 17:45	0°♉	
evening set	-6608 May 30 j 10:28	2°♉23'23	
conjunction	-6608 Jun 15 j 22:32	3°♉25'27	0°05'58
minimum elong	-6608 Jun 15 j 22:33	3°♉25'27	0°06'11
behind sun begin	-6608 Jun 15 j 16:11	3°♉24'28	
behind sun end	-6608 Jun 16 j 04:55	3°♉26'26	
max. Earth dist.	-6608 Jun 14 j 14:56	3°♉20'27	19.25859 AU
morning rise	-6608 Jul 02 j 06:09	4°♉26'54	
retrograde	-6608 Oct 01 j 09:47	7°♉49'17	
opposition	-6608 Dec 13 j 14:18	5°♉47'08	0°09'09
min. Earth dist.	-6608 Dec 14 j 18:17	5°♉44'05	17.25179 AU
direct	-6607 Feb 28 j 02:23	3°♉40'19	
evening set	-6607 Jun 04 j 15:50	7°♉12'28	
max. Earth dist.	-6607 Jun 19 j 19:01	8°♉09'28	19.24540 AU
conjunction	-6607 Jun 21 j 02:34	8°♉14'27	0°10'34
minimum elong	-6607 Jun 21 j 02:33	8°♉14'27	0°10'48
behind sun begin	-6607 Jun 20 j 21:27	8°♉13'40	
behind sun end	-6607 Jun 21 j 07:39	8°♉15'15	
morning rise	-6607 Jul 07 j 09:00	9°♉15'50	
retrograde	-6607 Oct 06 j 12:08	12°♉38'18	
opposition	-6607 Dec 18 j 16:33	10°♉36'10	0°14'16
min. Earth dist.	-6607 Dec 19 j 18:53	10°♉33'17	17.24119 AU
direct	-6606 Mar 05 j 08:08	8°♉29'19	
evening set	-6606 Jun 09 j 20:38	12°♉01'39	
max. Earth dist.	-6606 Jun 25 j 00:45	12°♉58'53	19.23747 AU
conjunction	-6606 Jun 26 j 06:14	13°♉03'34	0°15'06
minimum elong	-6606 Jun 26 j 06:14	13°♉03'34	0°15'22
behind sun begin	-6606 Jun 26 j 04:19	13°♉03'16	
behind sun end	-6606 Jun 26 j 08:08	13°♉03'51	
morning rise	-6606 Jul 12 j 11:12	14°♉04'49	
	-6606 Jul 27 j 19:39	15°♉	
retrograde	-6606 Oct 11 j 11:35	17°♉27'20	
opposition	-6606 Dec 23 j 19:17	15°♉25'12	0°19'17
min. Earth dist.	-6606 Dec 24 j 21:36	15°♉22'20	17.23602 AU
	-6605 Jan 02 j 12:33	15°℞♉	
direct	-6605 Mar 10 j 12:09	13°♉18'21	
	-6605 May 13 j 10:30	15°♉	
evening set	-6605 Jun 15 j 01:20	16°♉50'45	
max. Earth dist.	-6605 Jun 30 j 04:16	17°♉47'53	19.23526 AU
conjunction	-6605 Jul 01 j 09:27	17°♉52'31	0°19'32
minimum elong	-6605 Jul 01 j 09:27	17°♉52'31	0°19'50
morning rise	-6605 Jul 17 j 13:17	18°♉53'39	
retrograde	-6605 Oct 16 j 12:58	22°♉16'08	
opposition	-6605 Dec 28 j 22:03	20°♉14'00	0°24'10
min. Earth dist.	-6605 Dec 29 j 22:30	20°♉11'21	17.23677 AU
direct	-6604 Mar 14 j 18:42	18°♉07'10	
evening set	-6604 Jun 19 j 05:25	21°♉39'31	
max. Earth dist.	-6604 Jul 04 j 09:57	22°♉36'57	19.23906 AU
conjunction	-6604 Jul 05 j 12:20	22°♉41'08	0°23'49
minimum elong	-6604 Jul 05 j 12:20	22°♉41'08	0°24'08
morning rise	-6604 Jul 21 j 14:40	23°♉42'06	
retrograde	-6604 Oct 20 j 12:19	27°♉04'30	
opposition	-6603 Jan 02 j 01:23	25°♉02'24	0°28'52
min. Earth dist.	-6603 Jan 03 j 00:57	24°♉59'50	17.24370 AU
direct	-6603 Mar 19 j 23:58	22°♉55'38	
evening set	-6603 Jun 24 j 08:57	26°♉27'46	
conjunction	-6603 Jul 10 j 14:18	27°♉29'12	0°27'56
minimum elong	-6603 Jul 10 j 14:18	27°♉29'12	0°28'17
max. Earth dist.	-6603 Jul 09 j 12:48	27°♉25'09	19.24933 AU
morning rise	-6603 Jul 26 j 15:29	28°♉30'00	
	-6603 Aug 21 j 11:06	0°♊	
retrograde	-6603 Oct 25 j 12:47	1°♊52'17	
	-6602 Jan 03 j 09:57	30°℞♉	
opposition	-6602 Jan 07 j 04:45	29°♉50'12	0°33'21

Attention, astronomical year style is used: The year -6602 in astronomical counting style is the year 6603 BCE in historical counting style.

min. Earth dist.	-6602 Jan 08 j 02:08	29°♉47'54	17.25737 AU	
direct	-6602 Mar 25 j 06:01	27°♉43'34		
	-6602 Jun 08 j 04:18	0°♊		
evening set	-6602 Jun 29 j 11:48	1°♊15'23		
conjunction	-6602 Jul 15 j 15:57	2°♊16'36	0°31'51	
minimum elong	-6602 Jul 15 j 15:56	2°♊16'36	0°32'12	
max. Earth dist.	-6602 Jul 14 j 17:43	2°♊13'05	19.26639 AU	
morning rise	-6602 Jul 31 j 15:42	3°♊17'13		
retrograde	-6602 Oct 30 j 12:26	6°♊39'19		
opposition	-6601 Jan 12 j 08:08	4°♊37'20	0°37'36	
min. Earth dist.	-6601 Jan 13 j 03:48	4°♊35'12	17.27778 AU	
direct	-6601 Mar 30 j 11:21	2°♊30'52		
evening set	-6601 Jul 04 j 14:10	6°♊02'17		
conjunction	-6601 Jul 20 j 16:48	7°♊03'16	0°35'32	
minimum elong	-6601 Jul 20 j 16:48	7°♊03'16	0°35'55	
max. Earth dist.	-6601 Jul 19 j 19:51	6°♊59'56	19.29028 AU	
morning rise	-6601 Aug 05 j 15:27	8°♊03'40		
retrograde	-6601 Nov 04 j 12:14	11°♊25'35		
opposition	-6600 Jan 17 j 11:38	9°♊23'42	0°41'35	
min. Earth dist.	-6600 Jan 18 j 05:12	9°♊21'49	17.30508 AU	
direct	-6600 Apr 03 j 16:02	7°♊17'30		
evening set	-6600 Jul 08 j 15:40	10°♊48'23		
conjunction	-6600 Jul 24 j 17:04	11°♊49'08	0°38'58	
minimum elong	-6600 Jul 24 j 17:04	11°♊49'08	0°39'23	
max. Earth dist.	-6600 Jul 23 j 23:26	11°♊46'20	19.32088 AU	
morning rise	-6600 Aug 09 j 14:24	12°♊49'18		
retrograde	-6600 Nov 08 j 12:13	16°♊10'58		
opposition	-6599 Jan 21 j 15:11	14°♊09'16	0°45'16	
min. Earth dist.	-6599 Jan 22 j 06:23	14°♊07'38	17.33870 AU	
direct	-6599 Apr 08 j 21:05	12°♊03'23		
evening set	-6599 Jul 13 j 16:34	15°♊33'37		
conjunction	-6599 Jul 29 j 16:33	16°♊34'07	0°42'08	
minimum elong	-6599 Jul 29 j 16:33	16°♊34'07	0°42'33	
max. Earth dist.	-6599 Jul 29 j 00:41	16°♊31'36	19.35761 AU	
morning rise	-6599 Aug 14 j 12:49	17°♊34'03		
retrograde	-6599 Nov 13 j 11:35	20°♊55'28		
opposition	-6598 Jan 26 j 18:38	18°♊53'55	0°48'38	
min. Earth dist.	-6598 Jan 27 j 08:02	18°♊52'30	17.37836 AU	
direct	-6598 Apr 14 j 00:17	16°♊48'23		
evening set	-6598 Jul 18 j 16:30	20°♊17'54		
conjunction	-6598 Aug 03 j 15:18	21°♊18'06	0°45'00	
minimum elong	-6598 Aug 03 j 15:18	21°♊18'06	0°45'27	
max. Earth dist.	-6598 Aug 03 j 02:25	21°♊16'04	19.39997 AU	
morning rise	-6598 Aug 19 j 10:29	22°♊17'48		
retrograde	-6598 Nov 18 j 11:36	25°♊38'53		
opposition	-6597 Jan 31 j 21:54	23°♊37'32	0°51'39	
min. Earth dist.	-6597 Feb 01 j 08:35	23°♊36'24	17.42304 AU	
direct	-6597 Apr 19 j 04:24	21°♊32'23		
evening set	-6597 Jul 23 j 15:51	25°♊01'03		
conjunction	-6597 Aug 08 j 13:21	26°♊00'59	0°47'34	
minimum elong	-6597 Aug 08 j 13:21	26°♊00'59	0°48'00	
max. Earth dist.	-6597 Aug 08 j 02:29	25°♊59'16	19.44692 AU	
morning rise	-6597 Aug 24 j 07:30	27°♊00'25		
	-6597 Oct 26 j 19:08	0°♋		
retrograde	-6597 Nov 23 j 10:24	0°♋21'09		
	-6597 Dec 21 j 17:59	30°℞♊		
opposition	-6596 Feb 06 j 01:00	28°♊19'58	0°54'19	
min. Earth dist.	-6596 Feb 06 j 10:15	28°♊19'00	17.47218 AU	
direct	-6596 Apr 23 j 06:45	26°♊15'12		
evening set	-6596 Jul 27 j 14:18	29°♊42'57		
	-6596 Aug 01 j 04:16	0°♋		

conjunction	-6596 Aug 12 j 10:38	0°♋42'34	0°49'47	
minimum elong	-6596 Aug 12 j 10:38	0°♋42'34	0°50'13	
max. Earth dist.	-6596 Aug 12 j 02:16	0°♋41'14	19.49804 AU	
morning rise	-6596 Aug 28 j 03:51	1°♋41'43		
retrograde	-6596 Nov 27 j 09:39	5°♋02'03		
opposition	-6595 Feb 10 j 03:51	3°♋01'02	0°56'35	
min. Earth dist.	-6595 Feb 10 j 10:00	3°♋00'23	17.52499 AU	
direct	-6595 Apr 28 j 10:23	0°♋56'40		
evening set	-6595 Aug 01 j 11:46	4°♋23'21		
conjunction	-6595 Aug 17 j 07:00	5°♋22'40	0°51'40	
minimum elong	-6595 Aug 17 j 07:00	5°♋22'40	0°52'07	
max. Earth dist.	-6595 Aug 17 j 01:04	5°♋21'44	19.55246 AU	
morning rise	-6595 Sep 01 j 23:20	6°♋21'33		
retrograde	-6595 Dec 02 j 07:18	9°♋41'27		
opposition	-6594 Feb 15 j 06:24	7°♋40'33	0°58'29	
min. Earth dist.	-6594 Feb 15 j 11:18	7°♋40'02	17.58097 AU	
direct	-6594 May 03 j 12:06	5°♋36'34		
evening set	-6594 Aug 06 j 08:24	9°♋02'08		
conjunction	-6594 Aug 22 j 02:34	10°♋01'07	0°53'12	
minimum elong	-6594 Aug 22 j 02:34	10°♋01'07	0°53'37	
max. Earth dist.	-6594 Aug 21 j 22:37	10°♋00'29	19.60983 AU	
morning rise	-6594 Sep 06 j 18:12	10°♋59'43		
retrograde	-6594 Dec 07 j 05:01	14°♋19'06		
opposition	-6593 Feb 20 j 08:05	12°♋18'20	0°59'58	
min. Earth dist.	-6593 Feb 20 j 09:49	12°♋18'09	17.63950 AU	
direct	-6593 May 08 j 15:04	10°♋14'43		
evening set	-6593 Aug 11 j 04:00	13°♋39'05		
conjunction	-6593 Aug 26 j 21:18	14°♋37'45	0°54'23	
minimum elong	-6593 Aug 26 j 21:18	14°♋37'45	0°54'49	
max. Earth dist.	-6593 Aug 26 j 20:03	14°♋37'33	19.66951 AU	
morning rise	-6593 Sep 11 j 12:10	15°♋36'04		
retrograde	-6593 Dec 12 j 00:34	18°♋54'55		
opposition	-6592 Feb 25 j 09:34	16°♋54'13	1°01'04	
min. Earth dist.	-6592 Feb 25 j 10:06	16°♋54'10	17.70032 AU	
direct	-6592 May 12 j 16:14	14°♋50'59		
evening set	-6592 Aug 14 j 22:29	18°♋14'03		
conjunction	-6592 Aug 30 j 14:50	19°♋12'23	0°55'12	
minimum elong	-6592 Aug 30 j 14:50	19°♋12'23	0°55'37	
max. Earth dist.	-6592 Aug 30 j 15:24	19°♋12'29	19.73148 AU	
morning rise	-6592 Sep 15 j 05:14	20°♋10'26		
retrograde	-6592 Dec 15 j 20:35	23°♋28'43		
opposition	-6591 Mar 01 j 10:15	21°♋28'04	1°01'45	
min. Earth dist.	-6591 Mar 01 j 07:23	21°♋28'22	17.76330 AU	
direct	-6591 May 17 j 17:47	19°♋25'10		
evening set	-6591 Aug 19 j 15:54	22°♋46'55		
conjunction	-6591 Sep 04 j 07:34	23°♋44'55	0°55'39	
minimum elong	-6591 Sep 04 j 07:34	23°♋44'55	0°56'05	
max. Earth dist.	-6591 Sep 04 j 11:18	23°♋45'30	19.79550 AU	
morning rise	-6591 Sep 19 j 21:23	24°♋42'41		
retrograde	-6591 Dec 20 j 14:17	28°♋00'21		
opposition	-6590 Mar 06 j 10:13	25°♋59'46	1°02'03	
min. Earth dist.	-6590 Mar 06 j 06:02	26°♋00'12	17.82844 AU	
direct	-6590 May 22 j 16:53	23°♋57'13		
evening set	-6590 Aug 24 j 08:16	27°♋17'34		
conjunction	-6590 Sep 08 j 23:09	28°♋15'16	0°55'46	
minimum elong	-6590 Sep 08 j 23:09	28°♋15'16	0°56'11	
max. Earth dist.	-6590 Sep 09 j 04:33	28°♋16'06	19.86177 AU	
morning rise	-6590 Sep 24 j 12:45	29°♋12'45		
	-6590 Oct 07 j 22:14	0°♌		
retrograde	-6590 Dec 25 j 08:48	2°♌29'48		
opposition	-6589 Mar 11 j 09:19	0°♌29'15	1°01'58	

Attention, astronomical year style is used: The year -6589 in astronomical counting style is the year 6590 BCE in historical counting style.

min. Earth dist.	-6589 Mar 11 j 01:43	0°♌30'02	17.89578 AU
	-6589 Mar 23 j 07:27	30°℞♋	
direct	-6589 May 27 j 16:00	28°♋27'03	
	-6589 Jul 27 j 19:18	0°♌	
evening set	-6589 Aug 28 j 23:30	1°♌46'01	
conjunction	-6589 Sep 13 j 13:52	2°♌43'24	0°55'33
minimum elong	-6589 Sep 13 j 13:53	2°♌43'24	0°55'56
max. Earth dist.	-6589 Sep 13 j 22:43	2°♌44'46	19.93012 AU
morning rise	-6589 Sep 29 j 03:00	3°♌40'37	
retrograde	-6589 Dec 30 j 00:56	6°♌57'01	
opposition	-6588 Mar 15 j 07:49	4°♌56'34	1°01'31
min. Earth dist.	-6588 Mar 14 j 22:35	4°♌57'31	17.96524 AU
direct	-6588 May 31 j 12:36	2°♌54'46	
evening set	-6588 Sep 01 j 13:54	6°♌12'19	
conjunction	-6588 Sep 17 j 03:38	7°♌09'23	0°55'00
minimum elong	-6588 Sep 17 j 03:38	7°♌09'23	0°55'23
max. Earth dist.	-6588 Sep 17 j 14:01	7°♌10'59	20.00071 AU
morning rise	-6588 Oct 02 j 16:43	8°♌06'20	
retrograde	-6587 Jan 02 j 18:42	11°♌22'08	
opposition	-6587 Mar 20 j 05:24	9°♌21'45	1°00'42
min. Earth dist.	-6587 Mar 19 j 16:54	9°♌23'02	18.03684 AU
direct	-6587 Jun 05 j 09:03	7°♌20'21	
evening set	-6587 Sep 06 j 03:08	10°♌36'32	
conjunction	-6587 Sep 21 j 16:37	11°♌33'18	0°54'09
minimum elong	-6587 Sep 21 j 16:37	11°♌33'18	0°54'29
max. Earth dist.	-6587 Sep 22 j 06:28	11°♌35'25	20.07309 AU
morning rise	-6587 Oct 07 j 05:28	12°♌30'00	
	-6587 Nov 26 j 13:10	15°♌	
retrograde	-6586 Jan 07 j 09:58	15°♌45'11	
	-6586 Feb 20 j 01:48	15°℞♌	
opposition	-6586 Mar 25 j 02:16	13°♌44'56	0°59'33
min. Earth dist.	-6586 Mar 24 j 12:09	13°♌46'22	18.10988 AU
direct	-6586 Jun 10 j 03:33	11°♌43'59	
evening set	-6586 Sep 10 j 15:42	14°♌58'46	
	-6586 Sep 10 j 23:56	15°♌	
conjunction	-6586 Sep 26 j 04:43	15°♌55'15	0°52'58
minimum elong	-6586 Sep 26 j 04:43	15°♌55'15	0°53'18
max. Earth dist.	-6586 Sep 26 j 19:45	15°♌57'33	20.14670 AU
morning rise	-6586 Oct 11 j 17:43	16°♌51'43	
retrograde	-6585 Jan 12 j 02:31	20°♌06'17	
opposition	-6585 Mar 29 j 22:07	18°♌06'10	0°58'03
min. Earth dist.	-6585 Mar 29 j 05:20	18°♌07'53	18.18386 AU
direct	-6585 Jun 14 j 21:38	16°♌05'41	
evening set	-6585 Sep 15 j 03:17	19°♌19'08	
conjunction	-6585 Sep 30 j 16:14	20°♌15'20	0°51'30
minimum elong	-6585 Sep 30 j 16:14	20°♌15'20	0°51'49
max. Earth dist.	-6585 Oct 01 j 10:27	20°♌18'06	20.22077 AU
morning rise	-6585 Oct 16 j 05:08	21°♌11'34	
retrograde	-6584 Jan 16 j 17:10	24°♌25'33	
opposition	-6584 Apr 02 j 17:26	22°♌25'35	0°56'14
min. Earth dist.	-6584 Apr 01 j 23:10	22°♌27'27	18.25786 AU
direct	-6584 Jun 18 j 14:51	20°♌25'34	
evening set	-6584 Sep 18 j 14:07	23°♌37'40	
conjunction	-6584 Oct 04 j 02:45	24°♌33'37	0°49'45
minimum elong	-6584 Oct 04 j 02:45	24°♌33'37	0°50'02
max. Earth dist.	-6584 Oct 04 j 21:52	24°♌36'30	20.29458 AU
morning rise	-6584 Oct 19 j 16:01	25°♌29'38	
retrograde	-6583 Jan 20 j 08:28	28°♌43'04	
opposition	-6583 Apr 07 j 11:57	26°♌43'13	0°54'07
min. Earth dist.	-6583 Apr 06 j 15:34	26°♌45'17	18.33130 AU
direct	-6583 Jun 23 j 06:37	24°♌43'39	
evening set	-6583 Sep 23 j 00:13	27°♌54'27	
conjunction	-6583 Oct 08 j 12:59	28°♌50'09	0°47'44
minimum elong	-6583 Oct 08 j 12:59	28°♌50'09	0°48'00
max. Earth dist.	-6583 Oct 09 j 10:53	28°♌53'27	20.36729 AU
morning rise	-6583 Oct 24 j 02:19	29°♌45'58	
	-6583 Oct 28 j 02:35	0°♍	
retrograde	-6582 Jan 24 j 22:10	2°♍58'49	
min. Earth dist.	-6582 Apr 11 j 07:54	1°♍01'18	18.40316 AU
opposition	-6582 Apr 12 j 05:30	0°♍59'07	0°51'42
	-6582 May 07 j 17:07	30°℞♌	
direct	-6582 Jun 27 j 22:42	28°♌59'59	
	-6582 Aug 15 j 18:57	0°♍	
evening set	-6582 Sep 27 j 09:46	2°♍09'31	
conjunction	-6582 Oct 12 j 22:23	3°♍04'59	0°45'28
minimum elong	-6582 Oct 12 j 22:24	3°♍04'59	0°45'41
max. Earth dist.	-6582 Oct 13 j 20:39	3°♍08'19	20.43814 AU
morning rise	-6582 Oct 28 j 12:14	4°♍00'36	
retrograde	-6581 Jan 29 j 12:10	7°♍12'54	
opposition	-6581 Apr 16 j 22:24	5°♍13'19	0°49'02
min. Earth dist.	-6581 Apr 15 j 23:21	5°♍15'38	18.47292 AU
direct	-6581 Jul 02 j 12:20	3°♍14'34	
evening set	-6581 Oct 01 j 18:24	6°♍22'52	
conjunction	-6581 Oct 17 j 07:17	7°♍18'07	0°42'57
minimum elong	-6581 Oct 17 j 07:17	7°♍18'07	0°43'10
max. Earth dist.	-6581 Oct 18 j 07:57	7°♍21'48	20.50645 AU
morning rise	-6581 Nov 01 j 21:20	8°♍13'33	
retrograde	-6580 Feb 03 j 00:45	11°♍25'19	
opposition	-6580 Apr 20 j 14:32	9°♍25'48	0°46'06
min. Earth dist.	-6580 Apr 19 j 14:16	9°♍28'15	18.53973 AU
direct	-6580 Jul 06 j 03:24	7°♍27'26	
evening set	-6580 Oct 05 j 02:38	10°♍34'30	
conjunction	-6580 Oct 20 j 15:34	11°♍29'33	0°40'14
minimum elong	-6580 Oct 20 j 15:34	11°♍29'33	0°40'25
max. Earth dist.	-6580 Oct 21 j 16:17	11°♍33'14	20.57173 AU
morning rise	-6580 Nov 05 j 06:17	12°♍24'50	
retrograde	-6579 Feb 06 j 13:34	15°♍36'04	
min. Earth dist.	-6579 Apr 24 j 04:38	13°♍39'07	18.60348 AU
opposition	-6579 Apr 25 j 05:49	13°♍36'35	0°42'57
direct	-6579 Jul 10 j 15:25	11°♍38'31	
evening set	-6579 Oct 09 j 09:59	14°♍44'26	
conjunction	-6579 Oct 24 j 23:23	15°♍39'17	0°37'19
minimum elong	-6579 Oct 24 j 23:23	15°♍39'17	0°37'28
max. Earth dist.	-6579 Oct 26 j 02:12	15°♍43'15	20.63374 AU
morning rise	-6579 Nov 09 j 14:31	16°♍34'25	
retrograde	-6578 Feb 11 j 00:46	19°♍45'06	
opposition	-6578 Apr 29 j 20:11	17°♍45'40	0°39'36
min. Earth dist.	-6578 Apr 28 j 17:51	17°♍48'18	18.66371 AU
direct	-6578 Jul 15 j 05:09	15°♍47'53	
evening set	-6578 Oct 13 j 16:52	18°♍52'38	
conjunction	-6578 Oct 29 j 06:26	19°♍47'19	0°34'13
minimum elong	-6578 Oct 29 j 06:26	19°♍47'19	0°34'21
max. Earth dist.	-6578 Oct 30 j 09:12	19°♍51'16	20.69232 AU
morning rise	-6578 Nov 13 j 22:20	20°♍42'19	
retrograde	-6577 Feb 15 j 12:15	23°♍52'29	
min. Earth dist.	-6577 May 03 j 06:47	21°♍55'43	18.72078 AU
opposition	-6577 May 04 j 09:42	21°♍53'02	0°36'05
direct	-6577 Jul 19 j 15:35	19°♍55'29	
evening set	-6577 Oct 17 j 22:58	22°♍59'10	
conjunction	-6577 Nov 02 j 13:08	23°♍53'42	0°30'59
minimum elong	-6577 Nov 02 j 13:08	23°♍53'42	0°31'04

Attention, astronomical year style is used: The year -6577 in astronomical counting style is the year 6578 BCE in historical counting style.

max. Earth dist.	-6577 Nov 03 j 17:58	23°♍57'56	20.74783 AU
morning rise	-6577 Nov 18 j 05:31	24°♍48'34	
retrograde	-6576 Feb 19 j 21:50	27°♍58'13	
opposition	-6576 May 07 j 22:24	25°♍58'45	0°32'24
min. Earth dist.	-6576 May 06 j 18:09	26°♍01'35	18.77482 AU
direct	-6576 Jul 23 j 03:33	24°♍01'27	
evening set	-6576 Oct 21 j 04:39	27°♍04'06	
conjunction	-6576 Nov 05 j 19:07	27°♍58'29	0°27'37
minimum elong	-6576 Nov 05 j 19:07	27°♍58'29	0°27'40
max. Earth dist.	-6576 Nov 06 j 23:57	28°♍02'42	20.80050 AU
morning rise	-6576 Nov 21 j 12:25	28°♍53'15	
	-6576 Dec 12 j 00:17	0°♎	
retrograde	-6575 Feb 23 j 08:15	2°♎02'27	
min. Earth dist.	-6575 May 11 j 05:47	0°♎05'50	18.82625 AU
opposition	-6575 May 12 j 10:23	0°♎02'58	0°28'35
	-6575 May 13 j 16:02	30°℞♍	
direct	-6575 Jul 27 j 12:23	28°♍05'53	
	-6575 Oct 04 j 12:46	0°♎	
evening set	-6575 Oct 25 j 09:49	1°♎07'34	
conjunction	-6575 Nov 10 j 01:01	2°♎01'51	0°24'07
minimum elong	-6575 Nov 10 j 01:01	2°♎01'51	0°24'08
max. Earth dist.	-6575 Nov 11 j 07:43	2°♎06'20	20.85054 AU
morning rise	-6575 Nov 25 j 18:54	2°♎56'31	
retrograde	-6574 Feb 27 j 16:51	6°♎05'17	
opposition	-6574 May 16 j 21:19	4°♎05'48	0°24'39
min. Earth dist.	-6574 May 15 j 15:29	4°♎08'48	18.87492 AU
direct	-6574 Jul 31 j 22:08	2°♎08'57	
evening set	-6574 Oct 29 j 14:44	5°♎09'47	
conjunction	-6574 Nov 14 j 06:21	6°♎03'56	0°20'32
minimum elong	-6574 Nov 14 j 06:21	6°♎03'56	0°20'33
max. Earth dist.	-6574 Nov 15 j 12:49	6°♎08'22	20.89786 AU
morning rise	-6574 Nov 30 j 01:13	6°♎58'32	
retrograde	-6573 Mar 04 j 01:48	10°♎06'55	
min. Earth dist.	-6573 May 20 j 02:01	8°♎10'27	18.92093 AU
opposition	-6573 May 21 j 07:51	8°♎07'28	0°20'37
direct	-6573 Aug 05 j 05:25	6°♎10'49	
evening set	-6573 Nov 02 j 19:02	9°♎10'51	
conjunction	-6573 Nov 18 j 11:28	10°♎04'56	0°16'52
minimum elong	-6573 Nov 18 j 11:28	10°♎04'56	0°16'50
max. Earth dist.	-6573 Nov 19 j 19:38	10°♎09'35	20.94237 AU
morning rise	-6573 Dec 04 j 07:01	10°♎59'28	
retrograde	-6572 Mar 07 j 10:34	14°♎07'30	
min. Earth dist.	-6572 May 23 j 10:46	12°♎11'11	18.96381 AU
opposition	-6572 May 24 j 17:41	12°♎08'06	0°16'30
direct	-6572 Aug 08 j 13:41	10°♎11'41	
evening set	-6572 Nov 05 j 23:24	13°♎10'59	
conjunction	-6572 Nov 21 j 16:23	14°♎05'00	0°13'07
minimum elong	-6572 Nov 21 j 16:23	14°♎05'00	0°13'04
behind sun begin	-6572 Nov 21 j 12:23	14°♎04'26	
behind sun end	-6572 Nov 21 j 20:23	14°♎05'34	
max. Earth dist.	-6572 Nov 23 j 00:02	14°♎09'34	20.98360 AU
morning rise	-6572 Dec 07 j 13:01	14°♎59'30	
retrograde	-6571 Mar 11 j 18:22	18°♎07'14	
min. Earth dist.	-6571 May 27 j 20:35	16°♎10'54	19.00335 AU
opposition	-6571 May 29 j 02:55	16°♎07'52	0°12'19
direct	-6571 Aug 12 j 19:25	14°♎11'39	
evening set	-6571 Nov 10 j 03:28	17°♎10'20	
conjunction	-6571 Nov 25 j 21:22	18°♎04'18	0°09'20
minimum elong	-6571 Nov 25 j 21:23	18°♎04'18	0°09'15
behind sun begin	-6571 Nov 25 j 15:49	18°♎03'31	
behind sun end	-6571 Nov 26 j 02:56	18°♎05'05	

max. Earth dist.	-6571 Nov 27 j 06:13	18°♎09'01	21.02119 AU
morning rise	-6571 Dec 11 j 18:46	18°♎58'46	
retrograde	-6570 Mar 16 j 03:12	22°♎06'14	
min. Earth dist.	-6570 Jun 01 j 04:35	20°♎10'01	19.03880 AU
opposition	-6570 Jun 02 j 11:33	20°♎06'55	0°08'06
direct	-6570 Aug 17 j 02:40	18°♎10'54	
evening set	-6570 Nov 14 j 07:34	21°♎09'01	
conjunction	-6570 Nov 30 j 02:05	22°♎02'57	0°05'31
minimum elong	-6570 Nov 30 j 02:04	22°♎02'57	0°05'23
behind sun begin	-6570 Nov 29 j 19:43	22°♎02'03	
behind sun end	-6570 Nov 30 j 08:25	22°♎03'50	
max. Earth dist.	-6570 Dec 01 j 09:54	22°♎07'31	21.05443 AU
morning rise	-6570 Dec 16 j 00:32	22°♎57'24	
retrograde	-6569 Mar 20 j 10:18	26°♎04'39	
opposition	-6569 Jun 06 j 19:50	24°♎05'23	0°03'50
min. Earth dist.	-6569 Jun 05 j 13:56	24°♎08'22	19.06980 AU
direct	-6569 Aug 21 j 07:25	22°♎09'31	
evening set	-6569 Nov 18 j 11:33	25°♎07'09	
conjunction	-6569 Dec 04 j 07:04	26°♎01'03	0°01'39
minimum elong	-6569 Dec 04 j 07:03	26°♎01'03	0°01'30
behind sun begin	-6569 Dec 04 j 00:28	26°♎00'08	
behind sun end	-6569 Dec 04 j 13:38	26°♎01'58	
max. Earth dist.	-6569 Dec 05 j 15:35	26°♎05'43	21.08296 AU
morning rise	-6569 Dec 20 j 06:19	26°♎55'31	
	-6568 Mar 13 j 11:28	0°♏	
retrograde	-6568 Mar 23 j 18:55	0°♏02'34	
	-6568 Apr 03 j 04:02	30°℞♎	
desc. node	-6568 May 05 j 01:24	29°♎22'23	
min. Earth dist.	-6568 Jun 08 j 21:24	28°♎06'20	19.09567 AU
opposition	-6568 Jun 10 j 03:33	28°♎03'19	-0°00'26
direct	-6568 Aug 24 j 13:47	26°♎07'35	
evening set	-6568 Nov 21 j 15:46	29°♎04'48	
conjunction	-6568 Dec 07 j 11:58	29°♎58'42	-0°02'19
minimum elong	-6568 Dec 07 j 11:58	29°♎58'42	0°02'31
behind sun begin	-6568 Dec 07 j 05:23	29°♎57'48	
behind sun end	-6568 Dec 07 j 18:33	29°♎59'37	
	-6568 Dec 07 j 21:09	0°♏	
max. Earth dist.	-6568 Dec 08 j 18:56	0°♏03'08	21.10609 AU
morning rise	-6568 Dec 23 j 12:24	0°♏53'12	
retrograde	-6567 Mar 28 j 02:01	4°♏00'04	
min. Earth dist.	-6567 Jun 13 j 06:26	2°♏03'41	19.11601 AU
opposition	-6567 Jun 14 j 11:01	2°♏00'49	-0°04'41
direct	-6567 Aug 28 j 18:06	0°♏05'09	
evening set	-6567 Nov 25 j 19:54	3°♏02'01	
conjunction	-6567 Dec 11 j 17:11	3°♏55'57	-0°06'09
minimum elong	-6567 Dec 11 j 17:11	3°♏55'57	0°06'21
behind sun begin	-6567 Dec 11 j 10:57	3°♏55'05	
behind sun end	-6567 Dec 11 j 23:25	3°♏56'49	
max. Earth dist.	-6567 Dec 13 j 00:16	4°♏00'23	21.12346 AU
morning rise	-6567 Dec 27 j 18:27	4°♏50'28	
retrograde	-6566 Apr 01 j 10:08	7°♏57'11	
opposition	-6566 Jun 18 j 17:47	5°♏57'55	-0°08'55
min. Earth dist.	-6566 Jun 17 j 13:15	6°♏00'46	19.13032 AU
direct	-6566 Sep 01 j 23:54	4°♏02'15	
evening set	-6566 Nov 30 j 00:14	6°♏58'51	
conjunction	-6566 Dec 15 j 22:16	7°♏52'49	-0°09'56
minimum elong	-6566 Dec 15 j 22:17	7°♏52'49	0°10'11
behind sun begin	-6566 Dec 15 j 16:59	7°♏52'05	
behind sun end	-6566 Dec 16 j 03:34	7°♏53'33	
max. Earth dist.	-6566 Dec 17 j 03:29	7°♏56'58	21.13486 AU
morning rise	-6565 Jan 01 j 00:43	8°♏47'23	
retrograde	-6565 Apr 05 j 17:01	11°♏53'59	

Attention, astronomical year style is used: The year -6565 in astronomical counting style is the year 6566 BCE in historical counting style.

min. Earth dist.	-6565 Jun 21 j 21:45	9°♏57'19	19.13885 AU
opposition	-6565 Jun 23 j 00:30	9°♏54'38	-0°13'05
direct	-6565 Sep 06 j 03:45	7°♏58'57	
evening set	-6565 Dec 04 j 04:17	10°♏55'18	
conjunction	-6565 Dec 20 j 03:30	11°♏49'20	-0°13'40
minimum elong	-6565 Dec 20 j 03:30	11°♏49'20	0°13'55
behind sun begin	-6565 Dec 20 j 00:05	11°♏48'52	
behind sun end	-6565 Dec 20 j 06:54	11°♏49'49	
max. Earth dist.	-6565 Dec 21 j 08:49	11°♏53'30	21.14062 AU
morning rise	-6564 Jan 05 j 06:50	12°♏43'58	
	-6564 Feb 22 j 13:09	15°♏	
retrograde	-6564 Apr 09 j 00:50	15°♏50'29	
	-6564 May 26 j 17:46	15°℞♏	
min. Earth dist.	-6564 Jun 25 j 04:01	13°♏53'43	19.14180 AU
opposition	-6564 Jun 26 j 06:40	13°♏51'03	-0°17'11
direct	-6564 Sep 09 j 09:26	11°♏55'17	
evening set	-6564 Dec 07 j 08:49	14°♏51'31	
	-6564 Dec 09 j 21:57	15°♏	
conjunction	-6564 Dec 23 j 08:51	15°♏45'36	-0°17'20
minimum elong	-6564 Dec 23 j 08:51	15°♏45'36	0°17'37
max. Earth dist.	-6564 Dec 24 j 12:17	15°♏49'30	21.14101 AU
morning rise	-6563 Jan 08 j 13:23	16°♏40'19	
retrograde	-6563 Apr 13 j 07:27	19°♏46'46	
min. Earth dist.	-6563 Jun 29 j 11:50	17°♏49'43	19.13978 AU
opposition	-6563 Jun 30 j 12:31	17°♏47'14	-0°21'11
direct	-6563 Sep 13 j 12:25	15°♏51'22	
evening set	-6563 Dec 11 j 13:21	18°♏47'33	
conjunction	-6563 Dec 27 j 14:33	19°♏41'44	-0°20'55
minimum elong	-6563 Dec 27 j 14:33	19°♏41'44	0°21'13
max. Earth dist.	-6563 Dec 28 j 17:59	19°♏45'37	21.13665 AU
morning rise	-6562 Jan 12 j 19:57	20°♏36'32	
retrograde	-6562 Apr 17 j 15:16	23°♏42'58	
opposition	-6562 Jul 04 j 18:01	21°♏43'21	-0°25'06
min. Earth dist.	-6562 Jul 03 j 17:27	21°♏45'49	19.13315 AU
direct	-6562 Sep 17 j 17:46	19°♏47'23	
evening set	-6562 Dec 15 j 18:08	22°♏43'35	
conjunction	-6562 Dec 31 j 20:09	23°♏37'53	-0°24'24
minimum elong	-6562 Dec 31 j 20:09	23°♏37'53	0°24'43
max. Earth dist.	-6561 Jan 01 j 21:42	23°♏41'30	21.12789 AU
morning rise	-6561 Jan 17 j 02:42	24°♏32'47	
retrograde	-6561 Apr 21 j 21:53	27°♏39'17	
opposition	-6561 Jul 08 j 23:31	25°♏39'34	-0°28'53
min. Earth dist.	-6561 Jul 08 j 00:54	25°♏41'51	19.12241 AU
direct	-6561 Sep 21 j 20:09	23°♏43'29	
evening set	-6561 Dec 19 j 23:11	26°♏39'49	
conjunction	-6560 Jan 05 j 02:24	27°♏34'14	-0°27'46
minimum elong	-6560 Jan 05 j 02:24	27°♏34'14	0°28'06
max. Earth dist.	-6560 Jan 06 j 03:50	27°♏37'50	21.11521 AU
morning rise	-6560 Jan 21 j 09:49	28°♏29'16	
	-6560 Feb 20 j 01:21	0°♐	
retrograde	-6560 Apr 25 j 06:14	1°♐35'51	
	-6560 Jul 02 j 06:54	30°℞♏	
min. Earth dist.	-6560 Jul 11 j 06:15	29°♏38'20	19.10775 AU
opposition	-6560 Jul 12 j 04:39	29°♏36'04	-0°32'33
direct	-6560 Sep 25 j 01:08	27°♏39'53	
	-6560 Dec 11 j 22:26	0°♐	
evening set	-6560 Dec 23 j 04:47	0°♐36'26	
conjunction	-6559 Jan 08 j 08:55	1°♐31'00	-0°31'01
minimum elong	-6559 Jan 08 j 08:54	1°♐31'00	0°31'21
max. Earth dist.	-6559 Jan 09 j 08:09	1°♐34'17	21.09863 AU
morning rise	-6559 Jan 24 j 17:29	2°♐26'10	
retrograde	-6559 Apr 29 j 13:31	5°♐32'54	
opposition	-6559 Jul 16 j 09:57	3°♐33'04	-0°36'04
min. Earth dist.	-6559 Jul 15 j 13:44	3°♐35'07	19.08927 AU
direct	-6559 Sep 29 j 03:40	1°♐36'45	
evening set	-6559 Dec 27 j 10:42	4°♐33'38	
conjunction	-6558 Jan 12 j 16:00	5°♐28'21	-0°34'07
minimum elong	-6558 Jan 12 j 16:00	5°♐28'21	0°34'30
max. Earth dist.	-6558 Jan 13 j 14:47	5°♐31'34	21.07824 AU
morning rise	-6558 Jan 29 j 01:24	6°♐23'40	
retrograde	-6558 May 03 j 22:28	9°♐30'35	
opposition	-6558 Jul 20 j 15:00	7°♐30'44	-0°39'25
min. Earth dist.	-6558 Jul 19 j 19:12	7°♐32'45	19.06684 AU
direct	-6558 Oct 03 j 08:13	5°♐34'18	
evening set	-6558 Dec 31 j 17:18	8°♐31'35	
conjunction	-6557 Jan 16 j 23:28	9°♐26'28	-0°37'05
minimum elong	-6557 Jan 16 j 23:28	9°♐26'28	0°37'28
max. Earth dist.	-6557 Jan 17 j 19:48	9°♐29'21	21.05387 AU
morning rise	-6557 Feb 02 j 09:58	10°♐21'57	
retrograde	-6557 May 08 j 06:51	13°♐29'08	
opposition	-6557 Jul 24 j 20:22	11°♐29'14	-0°42'36
min. Earth dist.	-6557 Jul 24 j 03:03	11°♐31'00	19.04046 AU
direct	-6557 Oct 07 j 11:21	9°♐32'40	
evening set	-6556 Jan 05 j 00:17	12°♐30'25	
conjunction	-6556 Jan 21 j 07:40	13°♐25'31	-0°39'52
minimum elong	-6556 Jan 21 j 07:40	13°♐25'30	0°40'16
max. Earth dist.	-6556 Jan 22 j 03:12	13°♐28'17	21.02543 AU
morning rise	-6556 Feb 06 j 18:59	14°♐21'10	
retrograde	-6556 May 11 j 16:38	17°♐28'38	
min. Earth dist.	-6556 Jul 27 j 09:10	15°♐30'25	19.00971 AU
opposition	-6556 Jul 28 j 01:43	15°♐28'43	-0°45'36
direct	-6556 Oct 10 j 16:05	13°♐31'59	
evening set	-6555 Jan 08 j 08:19	16°♐30'19	
conjunction	-6555 Jan 24 j 16:34	17°♐25'36	-0°42'29
minimum elong	-6555 Jan 24 j 16:33	17°♐25'36	0°42'54
max. Earth dist.	-6555 Jan 25 j 09:09	17°♐27'57	20.99235 AU
morning rise	-6555 Feb 10 j 04:54	18°♐21'27	
retrograde	-6555 May 16 j 01:49	21°♐29'13	
opposition	-6555 Aug 01 j 07:17	19°♐29'17	-0°48'23
min. Earth dist.	-6555 Jul 31 j 17:40	19°♐30'40	18.97428 AU
direct	-6555 Oct 14 j 19:57	17°♐32'20	
evening set	-6554 Jan 12 j 16:51	20°♐31'18	
conjunction	-6554 Jan 29 j 02:16	21°♐26'49	-0°44'54
minimum elong	-6554 Jan 29 j 02:16	21°♐26'49	0°45'18
max. Earth dist.	-6554 Jan 29 j 17:30	21°♐28'59	20.95448 AU
morning rise	-6554 Feb 14 j 15:20	22°♐22'52	
retrograde	-6554 May 20 j 12:37	25°♐30'58	
opposition	-6554 Aug 05 j 13:04	23°♐30'58	-0°50'56
min. Earth dist.	-6554 Aug 05 j 00:28	23°♐32'16	18.93380 AU
direct	-6554 Oct 19 j 01:51	21°♐33'47	
evening set	-6553 Jan 17 j 02:06	24°♐33'26	
conjunction	-6553 Feb 02 j 12:21	25°♐29'10	-0°47'06
minimum elong	-6553 Feb 02 j 12:21	25°♐29'10	0°47'31
max. Earth dist.	-6553 Feb 03 j 00:26	25°♐30'53	20.91144 AU
morning rise	-6553 Feb 19 j 02:23	26°♐25'27	
retrograde	-6553 May 24 j 21:49	29°♐33'55	
opposition	-6553 Aug 09 j 19:19	27°♐33'48	-0°53'16
min. Earth dist.	-6553 Aug 09 j 09:47	27°♐34'47	18.88824 AU
direct	-6553 Oct 23 j 06:31	25°♐36'19	
evening set	-6552 Jan 21 j 12:03	28°♐36'43	
conjunction	-6552 Feb 06 j 23:28	29°♐32'42	-0°49'04

Attention, astronomical year style is used: The year -6552 in astronomical counting style is the year 6553 BCE in historical counting style.

minimum elong	-6552 Feb 06 j 23:28	29°♐32'42	0°49'29
max. Earth dist.	-6552 Feb 07 j 09:54	29°♐34'11	20.86345 AU
	-6552 Feb 14 j 22:48	0°♑	
morning rise	-6552 Feb 23 j 14:12	0°♑29'11	
retrograde	-6552 May 28 j 09:44	3°♑38'01	
opposition	-6552 Aug 13 j 01:30	1°♑37'46	-0°55'19
min. Earth dist.	-6552 Aug 12 j 17:09	1°♑38'38	18.83777 AU
	-6552 Sep 28 j 11:51	30°℞♐	
direct	-6552 Oct 26 j 13:53	29°♐39'57	
	-6552 Nov 23 j 09:17	0°♑	
evening set	-6551 Jan 24 j 22:56	2°♑41'09	
conjunction	-6551 Feb 10 j 11:10	3°♑37'23	-0°50'48
minimum elong	-6551 Feb 10 j 11:10	3°♑37'23	0°51'14
max. Earth dist.	-6551 Feb 10 j 18:22	3°♑38'25	20.81072 AU
morning rise	-6551 Feb 27 j 02:47	4°♑34'06	
retrograde	-6551 Jun 01 j 18:57	7°♑43'18	
opposition	-6551 Aug 17 j 08:13	5°♑42'54	-0°57'07
min. Earth dist.	-6551 Aug 17 j 03:00	5°♑43'27	18.78292 AU
direct	-6551 Oct 30 j 19:18	3°♑44'42	
evening set	-6550 Jan 29 j 10:18	6°♑46'46	
conjunction	-6550 Feb 14 j 23:35	7°♑43'16	-0°52'17
minimum elong	-6550 Feb 14 j 23:35	7°♑43'16	0°52'43
max. Earth dist.	-6550 Feb 15 j 05:09	7°♑44'03	20.75400 AU
morning rise	-6550 Mar 03 j 15:47	8°♑40'12	
retrograde	-6550 Jun 06 j 07:30	11°♑49'49	
opposition	-6550 Aug 21 j 15:02	9°♑49'14	-0°58'37
min. Earth dist.	-6550 Aug 21 j 10:52	9°♑49'41	18.72441 AU
direct	-6550 Nov 04 j 04:03	7°♑50'38	
evening set	-6549 Feb 02 j 22:34	10°♑53'38	
conjunction	-6549 Feb 19 j 12:38	11°♑50'24	-0°53'30
minimum elong	-6549 Feb 19 j 12:38	11°♑50'24	0°53'56
max. Earth dist.	-6549 Feb 19 j 15:14	11°♑50'46	20.69393 AU
morning rise	-6549 Mar 08 j 05:34	12°♑47'35	
retrograde	-6549 Jun 10 j 17:19	15°♑57'37	
opposition	-6549 Aug 25 j 22:22	13°♑56'53	-0°59'50
min. Earth dist.	-6549 Aug 25 j 21:10	13°♑57'00	18.66302 AU
direct	-6549 Nov 08 j 10:17	11°♑57'51	
evening set	-6548 Feb 07 j 11:30	15°♑01'50	
conjunction	-6548 Feb 24 j 02:34	15°♑58'53	-0°54'26
minimum elong	-6548 Feb 24 j 02:34	15°♑58'53	0°54'52
max. Earth dist.	-6548 Feb 24 j 03:28	15°♑59'01	20.63139 AU
morning rise	-6548 Mar 11 j 20:04	16°♑56'19	
retrograde	-6548 Jun 14 j 06:46	20°♑06'49	
opposition	-6548 Aug 29 j 06:00	18°♑05'55	-1°00'45
min. Earth dist.	-6548 Aug 29 j 05:46	18°♑05'57	18.59936 AU
direct	-6548 Nov 11 j 20:12	16°♑06'28	
evening set	-6547 Feb 11 j 01:31	19°♑11'32	
conjunction	-6547 Feb 27 j 17:16	20°♑08'52	-0°55'07
minimum elong	-6547 Feb 27 j 17:16	20°♑08'52	0°55'31
max. Earth dist.	-6547 Feb 27 j 15:22	20°♑08'36	20.56671 AU
morning rise	-6547 Mar 16 j 11:19	21°♑06'33	
retrograde	-6547 Jun 18 j 17:46	24°♑17'33	
opposition	-6547 Sep 02 j 14:14	22°♑16'31	-1°01'21
min. Earth dist.	-6547 Sep 02 j 16:52	22°♑16'14	18.53395 AU
direct	-6547 Nov 16 j 03:40	20°♑16'39	
evening set	-6546 Feb 15 j 16:12	23°♑22'50	
conjunction	-6546 Mar 04 j 08:48	24°♑20'29	-0°55'30
minimum elong	-6546 Mar 04 j 08:49	24°♑20'29	0°55'54
max. Earth dist.	-6546 Mar 04 j 05:04	24°♑19'56	20.50072 AU
morning rise	-6546 Mar 21 j 03:19	25°♑18'25	
retrograde	-6546 Jun 23 j 08:23	28°♑29'57	
opposition	-6546 Sep 06 j 22:57	26°♑28'48	-1°01'38
min. Earth dist.	-6546 Sep 07 j 02:25	26°♑28'26	18.46738 AU
direct	-6546 Nov 20 j 14:21	24°♑28'32	
evening set	-6545 Feb 20 j 07:46	27°♑35'55	
conjunction	-6545 Mar 09 j 01:02	28°♑33'52	-0°55'35
minimum elong	-6545 Mar 09 j 01:02	28°♑33'52	0°55'58
max. Earth dist.	-6545 Mar 08 j 18:48	28°♑32'58	20.43361 AU
morning rise	-6545 Mar 25 j 19:58	29°♑32'04	
	-6545 Apr 03 j 03:51	0°♒	
retrograde	-6545 Jun 27 j 21:06	2°♒44'11	
opposition	-6545 Sep 11 j 08:27	0°♒42'56	-1°01'35
min. Earth dist.	-6545 Sep 11 j 14:42	0°♒42'16	18.39987 AU
	-6545 Sep 28 j 14:09	30°℞♑	
direct	-6545 Nov 24 j 23:29	28°♑42'18	
	-6544 Jan 19 j 22:04	0°♒	
evening set	-6544 Feb 25 j 00:25	1°♒50'57	
conjunction	-6544 Mar 12 j 18:24	2°♒49'12	-0°55'22
minimum elong	-6544 Mar 12 j 18:24	2°♒49'12	0°55'45
max. Earth dist.	-6544 Mar 12 j 10:04	2°♒47'59	20.36581 AU
morning rise	-6544 Mar 29 j 13:42	3°♒47'40	
retrograde	-6544 Jul 01 j 12:52	7°♒00'23	
opposition	-6544 Sep 14 j 18:20	4°♒59'04	-1°01'12
min. Earth dist.	-6544 Sep 15 j 01:37	4°♒58'18	18.33165 AU
direct	-6544 Nov 28 j 11:16	2°♒58'04	
evening set	-6543 Feb 28 j 18:13	6°♒08'03	
conjunction	-6543 Mar 17 j 12:44	7°♒06'37	-0°54'51
minimum elong	-6543 Mar 17 j 12:44	7°♒06'37	0°55'13
max. Earth dist.	-6543 Mar 17 j 01:59	7°♒05'02	20.29714 AU
morning rise	-6543 Apr 03 j 08:14	8°♒05'21	
retrograde	-6543 Jul 06 j 03:28	11°♒18'41	
opposition	-6543 Sep 19 j 05:14	9°♒17'20	-1°00'28
min. Earth dist.	-6543 Sep 19 j 15:24	9°♒16'14	18.26262 AU
direct	-6543 Dec 02 j 22:28	7°♒15'58	
evening set	-6542 Mar 05 j 12:50	10°♒27'18	
conjunction	-6542 Mar 22 j 07:50	11°♒26'11	-0°54'00
minimum elong	-6542 Mar 22 j 07:50	11°♒26'11	0°54'21
max. Earth dist.	-6542 Mar 21 j 18:38	11°♒24'14	20.22774 AU
morning rise	-6542 Apr 08 j 03:33	12°♒25'11	
	-6542 Jun 01 j 17:07	15°♒	
retrograde	-6542 Jul 10 j 20:22	15°♒39'10	
	-6542 Aug 19 j 09:54	15°℞♒	
opposition	-6542 Sep 23 j 16:44	13°♒37'45	-0°59'22
min. Earth dist.	-6542 Sep 24 j 04:03	13°♒36'33	18.19275 AU
direct	-6542 Dec 07 j 12:05	11°♒36'02	
evening set	-6541 Mar 10 j 08:37	14°♒48'45	
	-6541 Mar 13 j 14:15	15°♒	
conjunction	-6541 Mar 27 j 04:05	15°♒47'57	-0°52'51
minimum elong	-6541 Mar 27 j 04:05	15°♒47'57	0°53'11
max. Earth dist.	-6541 Mar 26 j 12:36	15°♒45'39	20.15727 AU
morning rise	-6541 Apr 12 j 23:48	16°♒47'12	
retrograde	-6541 Jul 15 j 12:27	20°♒01'50	
opposition	-6541 Sep 28 j 05:07	18°♒00'23	-0°57'56
min. Earth dist.	-6541 Sep 28 j 19:21	17°♒58'51	18.12184 AU
direct	-6541 Dec 12 j 01:11	15°♒58'15	
evening set	-6540 Mar 14 j 05:28	19°♒12'23	
max. Earth dist.	-6540 Mar 30 j 06:47	20°♒09'08	20.08591 AU
conjunction	-6540 Mar 31 j 01:15	20°♒11'53	-0°51'22
minimum elong	-6540 Mar 31 j 01:16	20°♒11'53	0°51'40
morning rise	-6540 Apr 16 j 21:05	21°♒11'24	
retrograde	-6540 Jul 19 j 06:58	24°♒26'40	
opposition	-6540 Oct 01 j 18:17	22°♒25'07	-0°56'08

Attention, astronomical year style is used: The year -6540 in astronomical counting style is the year 6541 BCE in historical counting style.

min. Earth dist.	-6540 Oct 02 j 09:50	22°♒23'26	18.05001 AU
direct	-6540 Dec 15 j 17:07	20°♒22'35	
evening set	-6539 Mar 19 j 03:13	23°♒38'07	
conjunction	-6539 Apr 04 j 23:19	24°♒37'54	-0°49'34
minimum elong	-6539 Apr 04 j 23:20	24°♒37'54	0°49'51
max. Earth dist.	-6539 Apr 04 j 02:55	24°♒34'52	20.01358 AU
morning rise	-6539 Apr 21 j 18:54	25°♒37'40	
retrograde	-6539 Jul 24 j 00:19	28°♒53'32	
opposition	-6539 Oct 06 j 08:20	26°♒51'54	-0°53'58
min. Earth dist.	-6539 Oct 07 j 02:32	26°♒49'56	17.97746 AU
direct	-6539 Dec 20 j 08:08	24°♒48'56	
evening set	-6538 Mar 24 j 01:51	28°♒05'51	
conjunction	-6538 Apr 09 j 22:03	29°♒05'56	-0°47'27
minimum elong	-6538 Apr 09 j 22:03	29°♒05'56	0°47'43
max. Earth dist.	-6538 Apr 08 j 22:41	29°♒02'26	19.94106 AU
	-6538 Apr 25 j 01:04	0°♓	
morning rise	-6538 Apr 26 j 17:36	0°♓05'56	
retrograde	-6538 Jul 28 j 20:06	3°♓22'25	
opposition	-6538 Oct 10 j 23:04	1°♓20'38	-0°51'29
min. Earth dist.	-6538 Oct 11 j 18:29	1°♓18'32	17.90510 AU
	-6538 Nov 13 j 20:14	30°♓℞	
direct	-6538 Dec 25 j 01:38	29°♒17'13	
	-6537 Feb 03 j 17:00	0°♓	
evening set	-6537 Mar 29 j 01:08	2°♓35'30	
conjunction	-6537 Apr 14 j 21:34	3°♓35'52	-0°45'02
minimum elong	-6537 Apr 14 j 21:34	3°♓35'52	0°45'16
max. Earth dist.	-6537 Apr 13 j 21:00	3°♓32'11	19.86892 AU
morning rise	-6537 May 01 j 16:43	4°♓36'07	
retrograde	-6537 Aug 02 j 15:04	7°♓53'09	
opposition	-6537 Oct 15 j 14:41	5°♓51'15	-0°48'39
min. Earth dist.	-6537 Oct 16 j 12:16	5°♓48'55	17.83345 AU
direct	-6537 Dec 29 j 18:38	3°♓47'23	
evening set	-6536 Apr 02 j 01:28	7°♓07'01	
conjunction	-6536 Apr 18 j 21:45	8°♓07'39	-0°42'20
minimum elong	-6536 Apr 18 j 21:45	8°♓07'39	0°42'32
max. Earth dist.	-6536 Apr 17 j 18:23	8°♓03'31	19.79806 AU
morning rise	-6536 May 05 j 16:42	9°♓08'07	
retrograde	-6536 Aug 06 j 11:35	12°♓25'42	
opposition	-6536 Oct 19 j 06:58	10°♓23'40	-0°45'30
min. Earth dist.	-6536 Oct 20 j 05:41	10°♓21'12	17.76357 AU
direct	-6535 Jan 02 j 13:26	8°♓19'20	
evening set	-6535 Apr 07 j 02:23	11°♓40'19	
conjunction	-6535 Apr 23 j 22:42	12°♓41'12	-0°39'20
minimum elong	-6535 Apr 23 j 22:42	12°♓41'12	0°39'30
max. Earth dist.	-6535 Apr 22 j 18:52	12°♓36'59	19.72922 AU
morning rise	-6535 May 10 j 17:00	13°♓41'52	
retrograde	-6535 Aug 11 j 07:57	17°♓00'00	
opposition	-6535 Oct 24 j 00:15	14°♓57'50	-0°42'02
min. Earth dist.	-6535 Oct 25 j 00:25	14°♓55'12	17.69611 AU
direct	-6534 Jan 07 j 08:35	12°♓53'05	
evening set	-6534 Apr 12 j 03:56	16°♓15'21	
conjunction	-6534 Apr 28 j 23:50	17°♓16'28	-0°36'05
minimum elong	-6534 Apr 28 j 23:51	17°♓16'28	0°36'14
max. Earth dist.	-6534 Apr 27 j 17:41	17°♓11'52	19.66335 AU
morning rise	-6534 May 15 j 17:46	18°♓17'19	
retrograde	-6534 Aug 16 j 04:47	21°♓35'59	
opposition	-6534 Oct 28 j 18:16	19°♓33'41	-0°38'17
min. Earth dist.	-6534 Oct 29 j 19:20	19°♓30'57	17.63209 AU
direct	-6533 Jan 12 j 04:39	17°♓28'32	
evening set	-6533 Apr 17 j 06:09	20°♓52'05	
max. Earth dist.	-6533 May 02 j 19:54	21°♓48'49	19.60117 AU
conjunction	-6533 May 04 j 01:54	21°♓53'25	-0°32'35
minimum elong	-6533 May 04 j 01:55	21°♓53'25	0°32'41
morning rise	-6533 May 20 j 19:02	22°♓54'25	
retrograde	-6533 Aug 21 j 02:27	26°♓13'36	
opposition	-6533 Nov 02 j 13:04	24°♓11'13	-0°34'16
min. Earth dist.	-6533 Nov 03 j 14:58	24°♓08'23	17.57198 AU
direct	-6532 Jan 17 j 02:21	22°♓05'44	
evening set	-6532 Apr 21 j 09:14	25°♓30'30	
max. Earth dist.	-6532 May 06 j 20:21	26°♓27'06	19.54332 AU
conjunction	-6532 May 08 j 04:23	26°♓32'01	-0°28'52
minimum elong	-6532 May 08 j 04:23	26°♓32'01	0°28'56
morning rise	-6532 May 24 j 20:53	27°♓33'11	
	-6532 Jul 11 j 16:49	0°♈	
retrograde	-6532 Aug 24 j 23:32	0°♈52'52	
	-6532 Oct 09 j 04:20	30°♓℞	
opposition	-6532 Nov 06 j 08:51	28°♓50'26	-0°30'00
min. Earth dist.	-6532 Nov 07 j 11:34	28°♓47'30	17.51658 AU
direct	-6531 Jan 21 j 00:09	26°♓44'38	
	-6531 Apr 23 j 13:52	0°♈	
evening set	-6531 Apr 26 j 12:38	0°♈10'36	
max. Earth dist.	-6531 May 11 j 23:54	1°♈07'25	19.49028 AU
conjunction	-6531 May 13 j 07:22	1°♈12'17	-0°24'55
minimum elong	-6531 May 13 j 07:22	1°♈12'17	0°24'58
morning rise	-6531 May 29 j 22:54	2°♈13'33	
retrograde	-6531 Aug 29 j 22:33	5°♈33'43	
opposition	-6531 Nov 11 j 05:29	3°♈31'17	-0°25'31
min. Earth dist.	-6531 Nov 12 j 08:22	3°♈28'20	17.46598 AU
direct	-6530 Jan 26 j 00:15	1°♈25'16	
evening set	-6530 May 01 j 16:45	4°♈52'20	
max. Earth dist.	-6530 May 17 j 01:48	5°♈49'04	19.44225 AU
conjunction	-6530 May 18 j 10:42	5°♈54'10	-0°20'47
minimum elong	-6530 May 18 j 10:42	5°♈54'10	0°20'47
morning rise	-6530 Jun 04 j 01:25	6°♈55'33	
retrograde	-6530 Sep 03 j 20:30	10°♈16'10	
opposition	-6530 Nov 16 j 02:53	8°♈13'45	-0°20'49
min. Earth dist.	-6530 Nov 17 j 06:43	8°♈10'42	17.42058 AU
direct	-6529 Jan 30 j 23:39	6°♈07'32	
evening set	-6529 May 06 j 21:13	9°♈35'41	
max. Earth dist.	-6529 May 22 j 06:11	10°♈32'35	19.39930 AU
conjunction	-6529 May 23 j 14:33	10°♈37'38	-0°16'30
minimum elong	-6529 May 23 j 14:33	10°♈37'38	0°16'28
morning rise	-6529 Jun 09 j 04:14	11°♈39'05	
retrograde	-6529 Sep 08 j 20:58	15°♈00'08	
opposition	-6529 Nov 21 j 01:11	12°♈57'46	-0°15'57
min. Earth dist.	-6529 Nov 22 j 04:48	12°♈54'44	17.37993 AU
direct	-6528 Feb 05 j 01:49	10°♈51'24	
evening set	-6528 May 11 j 02:18	14°♈20'31	
max. Earth dist.	-6528 May 26 j 09:24	15°♈17'21	19.36098 AU
conjunction	-6528 May 27 j 18:40	15°♈22'32	-0°12'04
minimum elong	-6528 May 27 j 18:40	15°♈22'32	0°11'59
behind sun begin	-6528 May 27 j 14:06	15°♈21'51	
behind sun end	-6528 May 27 j 23:15	15°♈23'14	
morning rise	-6528 Jun 13 j 07:17	16°♈24'03	
retrograde	-6528 Sep 12 j 19:56	19°♈45'29	
opposition	-6528 Nov 25 j 00:24	17°♈43'10	-0°10'56
min. Earth dist.	-6528 Nov 26 j 05:04	17°♈40'02	17.34405 AU
direct	-6527 Feb 09 j 02:46	15°♈36'40	
evening set	-6527 May 16 j 07:36	19°♈06'39	
conjunction	-6527 Jun 01 j 23:03	20°♈08'44	-0°07'33
minimum elong	-6527 Jun 01 j 23:03	20°♈08'44	0°07'26
behind sun begin	-6527 Jun 01 j 16:54	20°♈07'48	

Attention, astronomical year style is used: The year -6527 in astronomical counting style is the year 6528 BCE in historical counting style.

behind sun end	-6527 Jun 02 j 05:11	20°♈09'40	
max. Earth dist.	-6527 May 31 j 14:08	20°♈03'34	19.32739 AU
morning rise	-6527 Jun 18 j 10:32	21°♈10'16	
retrograde	-6527 Sep 17 j 21:27	24°♈32'02	
opposition	-6527 Nov 30 j 00:21	22°♈29'46	-0°05'50
min. Earth dist.	-6527 Dec 01 j 04:15	22°♈26'43	17.31270 AU
direct	-6526 Feb 14 j 06:35	20°♈23'10	
evening set	-6526 May 21 j 12:58	23°♈53'51	
max. Earth dist.	-6526 Jun 05 j 18:24	24°♈50'48	19.29827 AU
conjunction	-6526 Jun 07 j 03:25	24°♈55'59	-0°02'57
minimum elong	-6526 Jun 07 j 03:24	24°♈55'58	0°02'49
behind sun begin	-6526 Jun 06 j 20:40	24°♈54'57	
behind sun end	-6526 Jun 07 j 10:07	24°♈57'00	
morning rise	-6526 Jun 23 j 13:39	25°♈57'31	
retrograde	-6526 Sep 22 j 21:12	29°♈19'34	
opposition	-6526 Dec 05 j 01:05	27°♈17'19	-0°00'40
min. Earth dist.	-6526 Dec 06 j 05:55	27°♈14'10	17.28596 AU
asc. node	-6525 Jan 20 j 20:21	25°♈33'05	
direct	-6525 Feb 19 j 08:47	25°♈10'36	
evening set	-6525 May 26 j 18:35	28°♈41'56	
max. Earth dist.	-6525 Jun 10 j 23:02	29°♈38'52	19.27389 AU
conjunction	-6525 Jun 12 j 07:52	29°♈44'02	0°01'49
minimum elong	-6525 Jun 12 j 07:51	29°♈44'02	0°02'00
behind sun begin	-6525 Jun 12 j 01:08	29°♈43'00	
behind sun end	-6525 Jun 12 j 14:35	29°♈45'04	
	-6525 Jun 16 j 13:00	0°♉	
morning rise	-6525 Jun 28 j 16:57	0°♉45'34	
retrograde	-6525 Sep 27 j 23:06	4°♉07'49	
opposition	-6525 Dec 10 j 02:11	2°♉05'36	0°04'31
min. Earth dist.	-6525 Dec 11 j 05:50	2°♉02'35	17.26389 AU
	-6524 Feb 17 j 19:22	30°℞♈	
direct	-6524 Feb 24 j 13:47	29°♈58'48	
	-6524 Mar 02 j 06:11	0°♉	
evening set	-6524 May 31 j 00:07	3°♉30'36	
max. Earth dist.	-6524 Jun 15 j 04:22	4°♉27'39	19.25427 AU
conjunction	-6524 Jun 16 j 12:17	4°♉32'41	0°06'27
minimum elong	-6524 Jun 16 j 12:17	4°♉32'41	0°06'39
behind sun begin	-6524 Jun 16 j 06:00	4°♉31'43	
behind sun end	-6524 Jun 16 j 18:34	4°♉33'40	
morning rise	-6524 Jul 02 j 19:58	5°♉34'10	
retrograde	-6524 Oct 01 j 23:16	8°♉56'34	
opposition	-6524 Dec 14 j 04:08	6°♉54'22	0°09'40
min. Earth dist.	-6524 Dec 15 j 08:19	6°♉51'17	17.24690 AU
direct	-6523 Feb 28 j 16:39	4°♉47'30	
evening set	-6523 Jun 05 j 05:22	8°♉19'39	
max. Earth dist.	-6523 Jun 20 j 08:35	9°♉16'40	19.24003 AU
conjunction	-6523 Jun 21 j 16:10	9°♉21'40	0°11'01
minimum elong	-6523 Jun 21 j 16:10	9°♉21'40	0°11'15
behind sun begin	-6523 Jun 21 j 11:15	9°♉20'54	
behind sun end	-6523 Jun 21 j 21:05	9°♉22'25	
morning rise	-6523 Jul 07 j 22:42	10°♉23'04	
retrograde	-6523 Oct 07 j 01:24	13°♉45'34	
opposition	-6523 Dec 19 j 06:20	11°♉43'22	0°14'45
min. Earth dist.	-6523 Dec 20 j 08:45	11°♉40'29	17.23540 AU
direct	-6522 Mar 05 j 22:19	9°♉36'27	
evening set	-6522 Jun 10 j 10:16	13°♉08'49	
conjunction	-6522 Jun 26 j 19:56	14°♉10'45	0°15'31
minimum elong	-6522 Jun 26 j 19:56	14°♉10'45	0°15'47
behind sun begin	-6522 Jun 26 j 18:52	14°♉10'35	
behind sun end	-6522 Jun 26 j 20:59	14°♉10'54	
max. Earth dist.	-6522 Jun 25 j 14:20	14°♉06'03	19.23140 AU
	-6522 Jul 09 j 19:42	15°♉	
morning rise	-6522 Jul 13 j 01:00	15°♉12'02	
retrograde	-6522 Oct 12 j 01:22	18°♉34'34	
opposition	-6522 Dec 24 j 08:53	16°♉32'22	0°19'44
min. Earth dist.	-6522 Dec 25 j 11:18	16°♉29'30	17.22978 AU
	-6521 Feb 02 j 01:56	15°℞♉	
direct	-6521 Mar 11 j 01:52	14°♉25'27	
	-6521 Apr 16 j 12:26	15°♉	
evening set	-6521 Jun 15 j 14:56	17°♉57'54	
conjunction	-6521 Jul 01 j 23:08	18°♉59'42	0°19'54
minimum elong	-6521 Jul 01 j 23:08	18°♉59'42	0°20'12
max. Earth dist.	-6521 Jun 30 j 18:01	18°♉55'04	19.22895 AU
morning rise	-6521 Jul 18 j 03:04	20°♉00'51	
retrograde	-6521 Oct 17 j 02:46	23°♉23'23	
opposition	-6521 Dec 29 j 11:45	21°♉21'11	0°24'34
min. Earth dist.	-6521 Dec 30 j 12:02	21°♉18'33	17.23053 AU
direct	-6520 Mar 15 j 08:01	19°♉14'17	
evening set	-6520 Jun 19 j 18:55	22°♉46'42	
max. Earth dist.	-6520 Jul 04 j 23:38	23°♉44'10	19.23295 AU
conjunction	-6520 Jul 06 j 01:53	23°♉48'20	0°24'09
minimum elong	-6520 Jul 06 j 01:53	23°♉48'20	0°24'29
morning rise	-6520 Jul 22 j 04:17	24°♉49'20	
retrograde	-6520 Oct 21 j 02:27	28°♉11'47	
opposition	-6519 Jan 02 j 15:03	26°♉09'38	0°29'13
min. Earth dist.	-6519 Jan 03 j 14:27	26°♉07'06	17.23791 AU
direct	-6519 Mar 20 j 12:53	24°♉02'51	
evening set	-6519 Jun 24 j 22:33	27°♉35'04	
max. Earth dist.	-6519 Jul 10 j 02:37	28°♉32'29	19.24390 AU
conjunction	-6519 Jul 11 j 03:58	28°♉36'31	0°28'14
minimum elong	-6519 Jul 11 j 03:58	28°♉36'31	0°28'34
morning rise	-6519 Jul 27 j 05:13	29°♉37'20	
	-6519 Aug 02 j 08:43	0°♊	
retrograde	-6519 Oct 26 j 03:01	2°♊59'42	
opposition	-6518 Jan 07 j 18:21	0°♊57'36	0°33'40
min. Earth dist.	-6518 Jan 08 j 15:22	0°♊55'20	17.25242 AU
	-6518 Jan 30 j 20:11	30°℞♉	
direct	-6518 Mar 25 j 19:12	28°♉50'57	
	-6518 May 16 j 20:04	0°♊	
evening set	-6518 Jun 30 j 01:20	2°♊22'53	
max. Earth dist.	-6518 Jul 15 j 07:32	3°♊20'37	19.26190 AU
conjunction	-6518 Jul 16 j 05:35	3°♊24'08	0°32'06
minimum elong	-6518 Jul 16 j 05:35	3°♊24'08	0°32'28
morning rise	-6518 Aug 01 j 05:26	4°♊24'46	
retrograde	-6518 Oct 31 j 02:22	7°♊46'58	
opposition	-6517 Jan 12 j 21:51	5°♊44'59	0°37'52
min. Earth dist.	-6517 Jan 13 j 17:20	5°♊42'53	17.27375 AU
direct	-6517 Mar 31 j 00:36	3°♊38'33	
evening set	-6517 Jul 05 j 03:47	7°♊10'04	
max. Earth dist.	-6517 Jul 20 j 09:36	8°♊07'47	19.28668 AU
conjunction	-6517 Jul 21 j 06:29	8°♊11'06	0°35'45
minimum elong	-6517 Jul 21 j 06:29	8°♊11'05	0°36'08
morning rise	-6517 Aug 06 j 05:12	9°♊11'31	
retrograde	-6517 Nov 05 j 02:24	12°♊33'32	
opposition	-6516 Jan 18 j 01:20	10°♊31'42	0°41'48
min. Earth dist.	-6516 Jan 18 j 18:38	10°♊29'50	17.30181 AU
direct	-6516 Apr 04 j 05:35	8°♊25'32	
evening set	-6516 Jul 09 j 05:24	11°♊56'32	
conjunction	-6516 Jul 25 j 06:54	12°♊57'19	0°39'08
minimum elong	-6516 Jul 25 j 06:54	12°♊57'19	0°39'32
max. Earth dist.	-6516 Jul 24 j 13:21	12°♊54'32	19.31791 AU
morning rise	-6516 Aug 10 j 04:18	13°♊57'31	
retrograde	-6516 Nov 09 j 02:19	17°♊19'17	

Attention, astronomical year style is used: The year -6515 in astronomical counting style is the year 6516 BCE in historical counting style.

opposition	-6515 Jan 22 j 04:59	15°♊17'37	0°45'26
min. Earth dist.	-6515 Jan 22 j 20:11	15°♊16'00	17.33588 AU
direct	-6515 Apr 09 j 10:33	13°♊11'46	
evening set	-6515 Jul 14 j 06:19	16°♊42'08	
conjunction	-6515 Jul 30 j 06:22	17°♊42'38	0°42'16
minimum elong	-6515 Jul 30 j 06:22	17°♊42'38	0°42'41
max. Earth dist.	-6515 Jul 29 j 14:21	17°♊40'06	19.35483 AU
morning rise	-6515 Aug 15 j 02:44	18°♊42'37	
retrograde	-6515 Nov 14 j 01:48	22°♊04'07	
opposition	-6514 Jan 27 j 08:32	20°♊02'36	0°48'45
min. Earth dist.	-6514 Jan 27 j 21:54	20°♊01'10	17.37548 AU
direct	-6514 Apr 14 j 13:40	17°♊57'05	
evening set	-6514 Jul 19 j 06:29	21°♊26'41	
conjunction	-6514 Aug 04 j 05:21	22°♊26'56	0°45'05
minimum elong	-6514 Aug 04 j 05:21	22°♊26'56	0°45'30
max. Earth dist.	-6514 Aug 03 j 16:19	22°♊24'52	19.39686 AU
morning rise	-6514 Aug 20 j 00:33	23°♊26'38	
retrograde	-6514 Nov 19 j 02:03	26°♊47'48	
opposition	-6513 Feb 01 j 11:44	24°♊46'27	0°51'43
min. Earth dist.	-6513 Feb 01 j 22:40	24°♊45'17	17.41964 AU
direct	-6513 Apr 19 j 18:26	22°♊41'17	
evening set	-6513 Jul 24 j 05:59	26°♊10'02	
conjunction	-6513 Aug 09 j 03:32	27°♊09'59	0°47'35
minimum elong	-6513 Aug 09 j 03:32	27°♊09'58	0°48'01
max. Earth dist.	-6513 Aug 08 j 16:16	27°♊08'12	19.44314 AU
morning rise	-6513 Aug 24 j 21:44	28°♊09'26	
	-6513 Sep 26 j 16:44	0°♋	
retrograde	-6513 Nov 24 j 00:16	1°♋30'12	
	-6512 Jan 25 j 06:30	30°℞♊	
opposition	-6512 Feb 06 j 14:59	29°♊29'00	0°54'19
min. Earth dist.	-6512 Feb 07 j 00:26	29°♊28'00	17.46796 AU
direct	-6512 Apr 23 j 20:24	27°♊24'11	
	-6512 Jul 13 j 16:20	0°♋	
evening set	-6512 Jul 28 j 04:25	0°♋51'58	
conjunction	-6512 Aug 13 j 00:49	1°♋51'36	0°49'46
minimum elong	-6512 Aug 13 j 00:48	1°♋51'36	0°50'11
max. Earth dist.	-6512 Aug 12 j 16:10	1°♋50'14	19.49329 AU
morning rise	-6512 Aug 28 j 18:03	2°♋50'46	
retrograde	-6512 Nov 28 j 00:10	6°♋11'08	
opposition	-6511 Feb 10 j 17:51	4°♋10'03	0°56'32
min. Earth dist.	-6511 Feb 11 j 00:21	4°♋09'22	17.51968 AU
direct	-6511 Apr 29 j 01:04	2°♋05'36	
evening set	-6511 Aug 02 j 02:03	5°♋32'18	
conjunction	-6511 Aug 17 j 21:19	6°♋31'38	0°51'36
minimum elong	-6511 Aug 17 j 21:19	6°♋31'38	0°52'00
max. Earth dist.	-6511 Aug 17 j 14:53	6°♋30'37	19.54658 AU
morning rise	-6511 Sep 02 j 13:42	7°♋30'32	
retrograde	-6511 Dec 02 j 20:31	10°♋50'24	
opposition	-6510 Feb 15 j 20:13	8°♋49'25	0°58'22
min. Earth dist.	-6510 Feb 16 j 01:28	8°♋48'52	17.57456 AU
direct	-6510 May 04 j 02:10	6°♋45'19	
evening set	-6510 Aug 06 j 22:37	10°♋10'53	
conjunction	-6510 Aug 22 j 16:53	11°♋09'53	0°53'04
minimum elong	-6510 Aug 22 j 16:53	11°♋09'53	0°53'30
max. Earth dist.	-6510 Aug 22 j 12:38	11°♋09'13	19.60290 AU
morning rise	-6510 Sep 07 j 08:34	12°♋08'30	
retrograde	-6510 Dec 07 j 18:56	15°♋27'51	
opposition	-6509 Feb 20 j 22:00	13°♋26'57	0°59'48
min. Earth dist.	-6509 Feb 21 j 00:04	13°♋26'44	17.63209 AU
direct	-6509 May 09 j 05:57	11°♋23'11	
evening set	-6509 Aug 11 j 18:08	14°♋47'32	

conjunction	-6509 Aug 27 j 11:28	15°♋46'13	0°54'12
minimum elong	-6509 Aug 27 j 11:28	15°♋46'13	0°54'37
max. Earth dist.	-6509 Aug 27 j 09:53	15°♋45'58	19.66174 AU
morning rise	-6509 Sep 12 j 02:24	16°♋44'33	
retrograde	-6509 Dec 12 j 13:40	20°♋03'21	
opposition	-6508 Feb 25 j 23:24	18°♋02'31	1°00'50
min. Earth dist.	-6508 Feb 26 j 00:09	18°♋02'26	17.69229 AU
direct	-6508 May 13 j 05:52	15°♋59'06	
evening set	-6508 Aug 15 j 12:37	19°♋22'10	
conjunction	-6508 Aug 31 j 05:02	20°♋20'30	0°54'58
minimum elong	-6508 Aug 31 j 05:02	20°♋20'30	0°55'23
max. Earth dist.	-6508 Aug 31 j 05:33	20°♋20'35	19.72336 AU
morning rise	-6508 Sep 15 j 19:28	21°♋18'33	
retrograde	-6508 Dec 16 j 10:27	24°♋36'46	
opposition	-6507 Mar 01 j 23:57	22°♋36'00	1°01'28
min. Earth dist.	-6507 Mar 01 j 21:12	22°♋36'17	17.75521 AU
direct	-6507 May 18 j 08:00	20°♋32'56	
evening set	-6507 Aug 20 j 05:51	23°♋54'39	
conjunction	-6507 Sep 04 j 21:34	24°♋52'41	0°55'23
minimum elong	-6507 Sep 04 j 21:34	24°♋52'41	0°55'48
max. Earth dist.	-6507 Sep 05 j 01:19	24°♋53'16	19.78759 AU
morning rise	-6507 Sep 20 j 11:28	25°♋50'28	
retrograde	-6507 Dec 21 j 03:42	29°♋08'05	
opposition	-6506 Mar 06 j 23:56	27°♋07'22	1°01'44
min. Earth dist.	-6506 Mar 06 j 19:44	27°♋07'48	17.82086 AU
direct	-6506 May 23 j 06:22	25°♋04'41	
evening set	-6506 Aug 24 j 22:14	28°♋25'03	
conjunction	-6506 Sep 09 j 13:10	29°♋22'45	0°55'28
minimum elong	-6506 Sep 09 j 13:10	29°♋22'45	0°55'51
max. Earth dist.	-6506 Sep 09 j 18:48	29°♋23'37	19.85463 AU
	-6506 Sep 19 j 13:58	0°♌	
morning rise	-6506 Sep 25 j 02:45	0°♌20'15	
retrograde	-6506 Dec 25 j 22:49	3°♌37'16	
opposition	-6505 Mar 11 j 22:52	1°♌36'38	1°01'36
min. Earth dist.	-6505 Mar 11 j 15:06	1°♌37'26	17.88923 AU
	-6505 Apr 25 j 21:01	30°℞♋	
direct	-6505 May 28 j 05:51	29°♋34'21	
	-6505 Jun 28 j 16:46	0°♌	
evening set	-6505 Aug 29 j 13:31	2°♌53'22	
conjunction	-6505 Sep 14 j 03:56	3°♌50'45	0°55'13
minimum elong	-6505 Sep 14 j 03:56	3°♌50'45	0°55'36
max. Earth dist.	-6505 Sep 14 j 12:59	3°♌52'09	19.92427 AU
morning rise	-6505 Sep 29 j 17:06	4°♌47'59	
retrograde	-6505 Dec 30 j 14:58	8°♌04'24	
opposition	-6504 Mar 15 j 21:23	6°♌03'53	1°01'07
min. Earth dist.	-6504 Mar 15 j 12:01	6°♌04'51	17.96012 AU
direct	-6504 Jun 01 j 02:25	4°♌02'03	
evening set	-6504 Sep 02 j 03:50	7°♌19'41	
conjunction	-6504 Sep 17 j 17:38	8°♌16'46	0°54'38
minimum elong	-6504 Sep 17 j 17:38	8°♌16'46	0°54'59
max. Earth dist.	-6504 Sep 18 j 04:20	8°♌18'25	19.99635 AU
morning rise	-6504 Oct 03 j 06:45	9°♌13'44	
retrograde	-6503 Jan 03 j 08:44	12°♌29'35	
opposition	-6503 Mar 20 j 19:00	10°♌29'12	1°00'16
min. Earth dist.	-6503 Mar 20 j 06:16	10°♌30'30	18.03315 AU
direct	-6503 Jun 05 j 22:55	8°♌27'49	
evening set	-6503 Sep 06 j 17:12	11°♌44'06	
conjunction	-6503 Sep 22 j 06:44	12°♌40'53	0°53'44
minimum elong	-6503 Sep 22 j 06:44	12°♌40'53	0°54'05
max. Earth dist.	-6503 Sep 22 j 20:46	12°♌43'02	20.07010 AU
morning rise	-6503 Oct 07 j 19:37	13°♌37'36	

Attention, astronomical year style is used: The year -6503 in astronomical counting style is the year 6504 BCE in historical counting style.

	-6503 Nov 01 j 07:12	15°♌	
retrograde	-6502 Jan 08 j 00:04	16°♌52'51	
	-6502 Mar 22 j 15:43	15°℞♌	
opposition	-6502 Mar 25 j 15:46	14°♌52'38	0°59'04
min. Earth dist.	-6502 Mar 25 j 01:39	14°♌54'05	18.10749 AU
direct	-6502 Jun 10 j 17:25	12°♌51'44	
	-6502 Aug 22 j 16:18	15°♌	
evening set	-6502 Sep 11 j 05:50	16°♌06'39	
conjunction	-6502 Sep 26 j 18:55	17°♌03'10	0°52'32
minimum elong	-6502 Sep 26 j 18:55	17°♌03'10	0°52'51
max. Earth dist.	-6502 Sep 27 j 10:07	17°♌05'29	20.14489 AU
morning rise	-6502 Oct 12 j 07:56	17°♌59'38	
retrograde	-6501 Jan 12 j 16:44	21°♌14'18	
opposition	-6501 Mar 30 j 11:51	19°♌14'15	0°57'33
min. Earth dist.	-6501 Mar 29 j 18:55	19°♌15'59	18.18249 AU
direct	-6501 Jun 15 j 11:24	17°♌13'49	
evening set	-6501 Sep 15 j 17:26	20°♌27'24	
conjunction	-6501 Oct 01 j 06:24	21°♌23'38	0°51'02
minimum elong	-6501 Oct 01 j 06:24	21°♌23'38	0°51'20
max. Earth dist.	-6501 Oct 02 j 00:42	21°♌26'24	20.21978 AU
morning rise	-6501 Oct 16 j 19:20	22°♌19'53	
retrograde	-6500 Jan 17 j 07:06	25°♌33'57	
opposition	-6500 Apr 03 j 07:18	23°♌34'04	0°55'41
min. Earth dist.	-6500 Apr 02 j 13:05	23°♌35'56	18.25716 AU
direct	-6500 Jun 19 j 04:18	21°♌34'07	
evening set	-6500 Sep 19 j 04:30	24°♌46'21	
conjunction	-6500 Oct 04 j 17:10	25°♌42'19	0°49'15
minimum elong	-6500 Oct 04 j 17:10	25°♌42'19	0°49'32
max. Earth dist.	-6500 Oct 05 j 12:14	25°♌45'12	20.29409 AU
morning rise	-6500 Oct 20 j 06:25	26°♌38'21	
retrograde	-6499 Jan 20 j 22:58	29°♌51'51	
min. Earth dist.	-6499 Apr 07 j 05:26	27°♌54'10	18.33096 AU
opposition	-6499 Apr 08 j 01:49	27°♌52'06	0°53'32
direct	-6499 Jun 23 j 20:38	25°♌52'34	
evening set	-6499 Sep 23 j 14:38	29°♌03'30	
conjunction	-6499 Oct 09 j 03:25	29°♌59'13	0°47'12
minimum elong	-6499 Oct 09 j 03:25	29°♌59'13	0°47'26
	-6499 Oct 09 j 08:40	0°♍	
max. Earth dist.	-6499 Oct 10 j 01:09	0°♍02'29	20.36695 AU
morning rise	-6499 Oct 24 j 16:46	0°♍55'02	
retrograde	-6498 Jan 25 j 12:21	4°♍07'57	
opposition	-6498 Apr 12 j 19:34	2°♍08'19	0°51'06
min. Earth dist.	-6498 Apr 11 j 22:07	2°♍10'29	18.40279 AU
direct	-6498 Jun 28 j 11:52	0°♍09'13	
evening set	-6498 Sep 28 j 00:14	3°♍18'50	
conjunction	-6498 Oct 13 j 12:51	4°♍14'18	0°44'54
minimum elong	-6498 Oct 13 j 12:51	4°♍14'18	0°45'08
max. Earth dist.	-6498 Oct 14 j 10:52	4°♍17'36	20.43762 AU
morning rise	-6498 Oct 29 j 02:40	5°♍09'56	
retrograde	-6497 Jan 30 j 02:40	8°♍22'16	
opposition	-6497 Apr 17 j 12:27	6°♍22'43	0°48'24
min. Earth dist.	-6497 Apr 16 j 13:26	6°♍25'02	18.47223 AU
direct	-6497 Jul 03 j 02:56	4°♍23'58	
evening set	-6497 Oct 02 j 08:58	7°♍32'19	
conjunction	-6497 Oct 17 j 21:52	8°♍27'35	0°42'22
minimum elong	-6497 Oct 17 j 21:52	8°♍27'35	0°42'34
max. Earth dist.	-6497 Oct 18 j 22:15	8°♍31'13	20.50559 AU
morning rise	-6497 Nov 02 j 11:55	9°♍23'01	
retrograde	-6496 Feb 03 j 15:03	12°♍34'46	
min. Earth dist.	-6496 Apr 20 j 04:31	10°♍37'41	18.53869 AU
opposition	-6496 Apr 21 j 04:35	10°♍35'16	0°45'27
direct	-6496 Jul 06 j 17:03	8°♍36'52	
evening set	-6496 Oct 05 j 17:02	11°♍43'57	
conjunction	-6496 Oct 21 j 06:00	12°♍38'59	0°39'38
minimum elong	-6496 Oct 21 j 06:00	12°♍38'59	0°39'49
max. Earth dist.	-6496 Oct 22 j 06:30	12°♍42'38	20.57057 AU
morning rise	-6496 Nov 05 j 20:44	13°♍34'16	
retrograde	-6495 Feb 07 j 03:33	16°♍45'27	
opposition	-6495 Apr 25 j 19:51	14°♍45'57	0°42'17
min. Earth dist.	-6495 Apr 24 j 18:41	14°♍48'29	18.60218 AU
direct	-6495 Jul 11 j 06:20	12°♍47'50	
evening set	-6495 Oct 10 j 00:21	15°♍53'42	
conjunction	-6495 Oct 25 j 13:46	16°♍48'34	0°36'43
minimum elong	-6495 Oct 25 j 13:46	16°♍48'34	0°36'51
max. Earth dist.	-6495 Oct 26 j 16:29	16°♍52'31	20.63246 AU
morning rise	-6495 Nov 10 j 04:52	17°♍43'41	
retrograde	-6494 Feb 11 j 14:40	20°♍54'17	
min. Earth dist.	-6494 Apr 29 j 07:48	18°♍57'25	18.66253 AU
opposition	-6494 Apr 30 j 09:59	18°♍54'47	0°38'56
direct	-6494 Jul 15 j 19:09	16°♍56'55	
evening set	-6494 Oct 14 j 07:09	20°♍01'38	
conjunction	-6494 Oct 29 j 20:43	20°♍56'18	0°33'37
minimum elong	-6494 Oct 29 j 20:43	20°♍56'18	0°33'43
max. Earth dist.	-6494 Oct 30 j 23:31	21°♍00'15	20.69142 AU
morning rise	-6494 Nov 14 j 12:36	21°♍51'18	
retrograde	-6493 Feb 16 j 01:13	25°♍01'21	
opposition	-6493 May 04 j 23:30	23°♍01'50	0°35'24
min. Earth dist.	-6493 May 03 j 20:27	23°♍04'33	18.72025 AU
direct	-6493 Jul 20 j 06:12	21°♍04'13	
evening set	-6493 Oct 18 j 13:04	24°♍07'50	
conjunction	-6493 Nov 03 j 03:12	25°♍02'21	0°30'22
minimum elong	-6493 Nov 03 j 03:12	25°♍02'21	0°30'27
max. Earth dist.	-6493 Nov 04 j 08:17	25°♍06'37	20.74776 AU
morning rise	-6493 Nov 18 j 19:34	25°♍57'12	
retrograde	-6492 Feb 20 j 11:33	29°♍06'46	
min. Earth dist.	-6492 May 07 j 07:53	27°♍10'05	18.77530 AU
opposition	-6492 May 08 j 12:10	27°♍07'15	0°31'43
direct	-6492 Jul 23 j 17:30	25°♍09'53	
evening set	-6492 Oct 21 j 18:48	28°♍12'28	
conjunction	-6492 Nov 06 j 09:14	29°♍06'50	0°27'00
minimum elong	-6492 Nov 06 j 09:14	29°♍06'50	0°27'03
max. Earth dist.	-6492 Nov 07 j 14:17	29°♍11'05	20.80158 AU
	-6492 Nov 21 j 15:22	0°♎	
morning rise	-6492 Nov 22 j 02:30	0°♎01'35	
retrograde	-6491 Feb 23 j 20:53	3°♎10'42	
opposition	-6491 May 12 j 23:59	1°♎11'11	0°27'54
min. Earth dist.	-6491 May 11 j 19:11	1°♎14'04	18.82799 AU
	-6491 Jun 13 j 19:19	30°℞♍	
direct	-6491 Jul 28 j 02:07	29°♍14'03	
	-6491 Sep 08 j 17:56	0°♎	
evening set	-6491 Oct 25 j 23:54	2°♎15'43	
conjunction	-6491 Nov 10 j 15:03	3°♎09'58	0°23'31
minimum elong	-6491 Nov 10 j 15:04	3°♎09'58	0°23'33
max. Earth dist.	-6491 Nov 11 j 22:01	3°♎14'29	20.85289 AU
morning rise	-6491 Nov 26 j 08:55	4°♎04'37	
retrograde	-6490 Feb 28 j 06:26	7°♎13'18	
min. Earth dist.	-6490 May 16 j 05:09	5°♎16'50	18.87787 AU
opposition	-6490 May 17 j 11:03	5°♎13'50	0°23'59
direct	-6490 Aug 01 j 11:54	3°♎16'58	
evening set	-6490 Oct 30 j 04:42	6°♎17'46	
conjunction	-6490 Nov 14 j 20:16	7°♎11'55	0°19'56

Attention, astronomical year style is used: The year -6490 in astronomical counting style is the year 6491 BCE in historical counting style.

minimum elong	-6490 Nov 14 j 20:16	7°♎11'55	0°19'54
max. Earth dist.	-6490 Nov 16 j 02:55	7°♎16'22	20.90133 AU
morning rise	-6490 Nov 30 j 15:05	8°♎06'30	
retrograde	-6489 Mar 04 j 15:26	11°♎14'50	
opposition	-6489 May 21 j 21:36	9°♎15'24	0°19'57
min. Earth dist.	-6489 May 20 j 15:36	9°♎18'24	18.92486 AU
direct	-6489 Aug 05 j 18:46	7°♎18'48	
evening set	-6489 Nov 03 j 09:10	10°♎18'49	
conjunction	-6489 Nov 19 j 01:34	11°♎12'53	0°16'15
minimum elong	-6489 Nov 19 j 01:34	11°♎12'53	0°16'14
max. Earth dist.	-6489 Nov 20 j 09:49	11°♎17'33	20.94667 AU
morning rise	-6489 Dec 04 j 21:04	12°♎07'25	
retrograde	-6488 Mar 08 j 00:15	15°♎15'24	
min. Earth dist.	-6488 May 24 j 00:36	13°♎19'08	18.96838 AU
opposition	-6488 May 25 j 07:25	13°♎16'03	0°15'50
direct	-6488 Aug 09 j 03:21	11°♎19'42	
evening set	-6488 Nov 06 j 13:33	14°♎19'01	
conjunction	-6488 Nov 22 j 06:30	15°♎13'01	0°12'31
minimum elong	-6488 Nov 22 j 06:30	15°♎13'01	0°12'27
behind sun begin	-6488 Nov 22 j 02:10	15°♎12'24	
behind sun end	-6488 Nov 22 j 10:51	15°♎13'37	
max. Earth dist.	-6488 Nov 23 j 14:01	15°♎17'34	20.98832 AU
morning rise	-6488 Dec 08 j 03:05	16°♎07'31	
retrograde	-6487 Mar 12 j 09:19	19°♎15'14	
min. Earth dist.	-6487 May 28 j 10:29	17°♎18'58	19.00804 AU
opposition	-6487 May 29 j 16:49	17°♎15'57	0°11'39
direct	-6487 Aug 13 j 09:03	15°♎19'48	
evening set	-6487 Nov 10 j 17:46	18°♎18'30	
conjunction	-6487 Nov 26 j 11:36	19°♎12'28	0°08'44
minimum elong	-6487 Nov 26 j 11:36	19°♎12'28	0°08'38
behind sun begin	-6487 Nov 26 j 05:52	19°♎11'40	
behind sun end	-6487 Nov 26 j 17:20	19°♎13'16	
max. Earth dist.	-6487 Nov 27 j 20:13	19°♎17'09	21.02572 AU
morning rise	-6487 Dec 12 j 08:54	20°♎06'56	
retrograde	-6486 Mar 16 j 17:16	23°♎14'24	
min. Earth dist.	-6486 Jun 01 j 18:44	21°♎18'15	19.04304 AU
opposition	-6486 Jun 03 j 01:26	21°♎15'11	0°07'25
direct	-6486 Aug 17 j 16:30	19°♎19'14	
evening set	-6486 Nov 14 j 22:03	22°♎17'24	
conjunction	-6486 Nov 30 j 16:29	23°♎11'19	0°04'55
minimum elong	-6486 Nov 30 j 16:29	23°♎11'19	0°04'47
behind sun begin	-6486 Nov 30 j 10:04	23°♎10'25	
behind sun end	-6486 Nov 30 j 22:55	23°♎12'13	
max. Earth dist.	-6486 Dec 01 j 23:53	23°♎15'49	21.05828 AU
morning rise	-6486 Dec 16 j 14:53	24°♎05'47	
retrograde	-6485 Mar 21 j 01:47	27°♎13'03	
min. Earth dist.	-6485 Jun 06 j 04:11	25°♎16'49	19.07309 AU
opposition	-6485 Jun 07 j 09:52	25°♎13'52	0°03'10
direct	-6485 Aug 21 j 21:28	23°♎18'04	
evening set	-6485 Nov 19 j 02:02	26°♎15'45	
conjunction	-6485 Dec 04 j 21:29	27°♎09'40	0°01'02
minimum elong	-6485 Dec 04 j 21:30	27°♎09'40	0°00'52
behind sun begin	-6485 Dec 04 j 14:55	27°♎08'45	
behind sun end	-6485 Dec 05 j 04:04	27°♎10'35	
max. Earth dist.	-6485 Dec 06 j 05:34	27°♎14'15	21.08555 AU
morning rise	-6485 Dec 20 j 20:43	28°♎04'08	
	-6484 Jan 28 j 21:20	0°♏	
desc. node	-6484 Mar 11 j 04:19	1°♏07'00	
retrograde	-6484 Mar 24 j 09:34	1°♏11'12	
	-6484 May 21 j 03:22	30°℞♎	
min. Earth dist.	-6484 Jun 09 j 12:00	29°♎15'00	19.09745 AU
opposition	-6484 Jun 10 j 17:45	29°♎12'02	-0°01'05
direct	-6484 Aug 25 j 04:11	27°♎16'21	
	-6484 Nov 18 j 03:56	0°♏	
evening set	-6484 Nov 22 j 06:22	0°♏13'37	
conjunction	-6484 Dec 08 j 02:33	1°♏07'32	-0°02'55
minimum elong	-6484 Dec 08 j 02:32	1°♏07'32	0°03'05
behind sun begin	-6484 Dec 07 j 19:58	1°♏06'37	
behind sun end	-6484 Dec 08 j 09:06	1°♏08'26	
max. Earth dist.	-6484 Dec 09 j 08:55	1°♏11'52	21.10702 AU
morning rise	-6484 Dec 24 j 02:55	2°♏02'01	
retrograde	-6483 Mar 28 j 17:01	5°♏08'55	
min. Earth dist.	-6483 Jun 13 j 20:56	3°♏12'32	19.11602 AU
opposition	-6483 Jun 15 j 01:09	3°♏09'43	-0°05'19
direct	-6483 Aug 29 j 08:27	1°♏14'04	
evening set	-6483 Nov 26 j 10:27	4°♏10'59	
conjunction	-6483 Dec 12 j 07:44	5°♏04'56	-0°06'43
minimum elong	-6483 Dec 12 j 07:43	5°♏04'56	0°06'56
behind sun begin	-6483 Dec 12 j 01:35	5°♏04'05	
behind sun end	-6483 Dec 12 j 13:51	5°♏05'47	
max. Earth dist.	-6483 Dec 13 j 14:24	5°♏09'18	21.12263 AU
morning rise	-6483 Dec 28 j 08:56	5°♏59'27	
retrograde	-6482 Apr 02 j 00:43	9°♏06'12	
min. Earth dist.	-6482 Jun 18 j 03:58	7°♏09'45	19.12865 AU
opposition	-6482 Jun 19 j 08:05	7°♏06'56	-0°09'31
direct	-6482 Sep 02 j 14:40	5°♏11'18	
evening set	-6482 Nov 30 j 14:34	8°♏07'54	
conjunction	-6482 Dec 16 j 12:35	9°♏01'53	-0°10'28
minimum elong	-6482 Dec 16 j 12:35	9°♏01'53	0°10'42
behind sun begin	-6482 Dec 16 j 07:29	9°♏01'11	
behind sun end	-6482 Dec 16 j 17:41	9°♏02'36	
max. Earth dist.	-6482 Dec 17 j 17:31	9°♏06'00	21.13251 AU
morning rise	-6481 Jan 01 j 15:00	9°♏56'28	
retrograde	-6481 Apr 06 j 07:16	13°♏03'06	
opposition	-6481 Jun 23 j 14:46	11°♏03'45	-0°13'39
min. Earth dist.	-6481 Jun 22 j 12:17	11°♏06'24	19.13589 AU
direct	-6481 Sep 06 j 18:24	9°♏08'02	
evening set	-6481 Dec 04 j 18:42	12°♏04'26	
conjunction	-6481 Dec 20 j 17:51	12°♏58'28	-0°14'11
minimum elong	-6481 Dec 20 j 17:52	12°♏58'28	0°14'26
behind sun begin	-6481 Dec 20 j 14:52	12°♏58'03	
behind sun end	-6481 Dec 20 j 20:51	12°♏58'53	
max. Earth dist.	-6481 Dec 21 j 23:06	13°♏02'37	21.13722 AU
morning rise	-6480 Jan 05 j 21:08	13°♏53'06	
	-6480 Jan 27 j 01:07	15°♏	
retrograde	-6480 Apr 09 j 14:54	16°♏59'38	
opposition	-6480 Jun 26 j 20:49	15°♏00'11	-0°17'43
min. Earth dist.	-6480 Jun 25 j 18:26	15°♏02'50	19.13813 AU
	-6480 Jun 26 j 22:38	15°℞♏	
direct	-6480 Sep 09 j 23:48	13°♏04'24	
	-6480 Nov 18 j 19:56	15°♏	
evening set	-6480 Dec 07 j 23:09	16°♏00'40	
conjunction	-6480 Dec 23 j 23:07	16°♏54'46	-0°17'48
minimum elong	-6480 Dec 23 j 23:07	16°♏54'46	0°18'06
max. Earth dist.	-6480 Dec 25 j 02:30	16°♏58'39	21.13717 AU
morning rise	-6479 Jan 09 j 03:36	17°♏49'29	
retrograde	-6479 Apr 13 j 21:20	20°♏55'59	
min. Earth dist.	-6479 Jun 30 j 02:05	18°♏58'54	19.13592 AU
opposition	-6479 Jul 01 j 02:45	18°♏56'25	-0°21'42
direct	-6479 Sep 14 j 03:10	17°♏00'32	
evening set	-6479 Dec 12 j 03:35	19°♏56'45	
conjunction	-6479 Dec 28 j 04:42	20°♏50'56	-0°21'21
minimum elong	-6479 Dec 28 j 04:42	20°♏50'56	0°21'40

Attention, astronomical year style is used: The year -6479 in astronomical counting style is the year 6480 BCE in historical counting style.

max. Earth dist.	-6479 Dec 29 j 08:14	20°♑54'50	21.13281 AU	
morning rise	-6478 Jan 13 j 10:00	21°♑45'44		
retrograde	-6478 Apr 18 j 05:03	24°♑52'14		
min. Earth dist.	-6478 Jul 04 j 07:36	22°♑55'04	19.12948 AU	
opposition	-6478 Jul 05 j 08:12	22°♑52'35	-0°25'34	
direct	-6478 Sep 18 j 07:40	20°♑56'36		
evening set	-6478 Dec 16 j 08:26	23°♑52'52		
conjunction	-6477 Jan 01 j 10:24	24°♑47'09	-0°24'48	
minimum elong	-6477 Jan 01 j 10:23	24°♑47'09	0°25'08	
max. Earth dist.	-6477 Jan 02 j 11:55	24°♑50'46	21.12444 AU	
morning rise	-6477 Jan 17 j 16:52	25°♑42'04		
retrograde	-6477 Apr 22 j 11:57	28°♑48'37		
opposition	-6477 Jul 09 j 13:42	26°♑48'53	-0°29'19	
min. Earth dist.	-6477 Jul 08 j 14:55	26°♑51'11	19.11924 AU	
direct	-6477 Sep 22 j 10:44	24°♑52'48		
evening set	-6477 Dec 20 j 13:24	27°♑49'11		
conjunction	-6476 Jan 05 j 16:35	28°♑43'36	-0°28'09	
minimum elong	-6476 Jan 05 j 16:35	28°♑43'36	0°28'28	
max. Earth dist.	-6476 Jan 06 j 18:05	28°♑47'13	21.11228 AU	
morning rise	-6476 Jan 21 j 23:56	29°♑38'38		
	-6476 Jan 28 j 12:29	0°♐		
retrograde	-6476 Apr 25 j 20:25	2°♐45'17		
opposition	-6476 Jul 12 j 18:58	0°♐45'30	-0°32'57	
min. Earth dist.	-6476 Jul 11 j 20:25	0°♐47'47	19.10503 AU	
	-6476 Aug 01 j 00:10	30°℞♑		
direct	-6476 Sep 25 j 15:12	28°♑49'19		
	-6476 Nov 18 j 03:02	0°♐		
evening set	-6476 Dec 23 j 19:05	1°♐45'55		
conjunction	-6475 Jan 08 j 23:08	2°♐40'29	-0°31'21	
minimum elong	-6475 Jan 08 j 23:08	2°♐40'29	0°31'43	
max. Earth dist.	-6475 Jan 09 j 22:19	2°♐43'45	21.09613 AU	
morning rise	-6475 Jan 25 j 07:39	3°♐35'39		
retrograde	-6475 Apr 30 j 03:48	6°♐42'26		
min. Earth dist.	-6475 Jul 16 j 03:50	4°♐44'41	19.08690 AU	
opposition	-6475 Jul 17 j 00:11	4°♐42'37	-0°36'25	
direct	-6475 Sep 29 j 17:52	2°♐46'18		
evening set	-6475 Dec 28 j 01:02	5°♐43'14		
conjunction	-6474 Jan 13 j 06:17	6°♐37'57	-0°34'26	
minimum elong	-6474 Jan 13 j 06:17	6°♐37'57	0°34'48	
max. Earth dist.	-6474 Jan 14 j 05:07	6°♐41'11	21.07597 AU	
morning rise	-6474 Jan 29 j 15:37	7°♐33'16		
retrograde	-6474 May 04 j 13:13	10°♐40'15		
min. Earth dist.	-6474 Jul 20 j 09:36	8°♐42'25	19.06455 AU	
opposition	-6474 Jul 21 j 05:25	8°♐40'24	-0°39'44	
direct	-6474 Oct 03 j 22:54	6°♐43'59		
evening set	-6473 Jan 01 j 07:36	9°♐41'18		
conjunction	-6473 Jan 17 j 13:42	10°♐36'11	-0°37'21	
minimum elong	-6473 Jan 17 j 13:42	10°♐36'11	0°37'45	
max. Earth dist.	-6473 Jan 18 j 09:59	10°♐39'04	21.05146 AU	
morning rise	-6473 Feb 03 j 00:09	11°♐31'41		
retrograde	-6473 May 08 j 21:04	14°♐38'55		
opposition	-6473 Jul 25 j 10:54	12°♐39'01	-0°42'53	
min. Earth dist.	-6473 Jul 24 j 17:38	12°♐40'47	19.03779 AU	
direct	-6473 Oct 08 j 01:35	10°♐42'27		
evening set	-6472 Jan 05 j 14:49	13°♐40'15		
conjunction	-6472 Jan 21 j 22:07	14°♐35'20	-0°40'06	
minimum elong	-6472 Jan 21 j 22:07	14°♐35'20	0°40'30	
max. Earth dist.	-6472 Jan 22 j 17:34	14°♐38'06	21.02235 AU	
morning rise	-6472 Feb 07 j 09:22	15°♐31'00		
retrograde	-6472 May 12 j 07:25	18°♐38'30		
opposition	-6472 Jul 28 j 16:13	16°♐38'35	-0°45'50	
min. Earth dist.	-6472 Jul 27 j 23:58	16°♐40'15	19.00612 AU	
direct	-6472 Oct 11 j 07:23	14°♐41'49		
evening set	-6471 Jan 08 j 22:57	17°♐40'11		
conjunction	-6471 Jan 25 j 07:07	18°♐35'29	-0°42'40	
minimum elong	-6471 Jan 25 j 07:07	18°♐35'29	0°43'04	
max. Earth dist.	-6471 Jan 25 j 23:25	18°♐37'48	20.98812 AU	
morning rise	-6471 Feb 10 j 19:24	19°♐31'21		
retrograde	-6471 May 16 j 15:53	22°♐39'09		
opposition	-6471 Aug 01 j 22:01	20°♐39'10	-0°48'34	
min. Earth dist.	-6471 Aug 01 j 08:41	20°♐40'32	18.96929 AU	
direct	-6471 Oct 15 j 10:53	18°♐42'10		
evening set	-6470 Jan 13 j 07:26	21°♐41'10		
conjunction	-6470 Jan 29 j 16:47	22°♐36'41	-0°45'02	
minimum elong	-6470 Jan 29 j 16:46	22°♐36'41	0°45'27	
max. Earth dist.	-6470 Jan 30 j 07:47	22°♐38'48	20.94864 AU	
morning rise	-6470 Feb 15 j 05:46	23°♐32'44		
retrograde	-6470 May 21 j 02:37	26°♐40'52		
opposition	-6470 Aug 06 j 03:51	24°♐40'47	-0°51'04	
min. Earth dist.	-6470 Aug 05 j 15:36	24°♐42'03	18.92710 AU	
direct	-6470 Oct 19 j 17:20	22°♐43'32		
evening set	-6469 Jan 17 j 16:50	25°♐43'12		
conjunction	-6469 Feb 03 j 03:02	26°♐38'57	-0°47'11	
minimum elong	-6469 Feb 03 j 03:02	26°♐38'57	0°47'36	
max. Earth dist.	-6469 Feb 03 j 14:43	26°♐40'37	20.90392 AU	
morning rise	-6469 Feb 19 j 17:01	27°♐35'13		
	-6469 Apr 12 j 18:52	0°♑		
retrograde	-6469 May 25 j 11:59	0°♑43'43		
	-6469 Jul 07 j 19:59	30°℞♐		
opposition	-6469 Aug 10 j 10:01	28°♐43'30	-0°53'20	
min. Earth dist.	-6469 Aug 10 j 00:49	28°♐44'27	18.87993 AU	
direct	-6469 Oct 23 j 22:05	26°♐45'55		
evening set	-6468 Jan 22 j 02:43	29°♐46'20		
	-6468 Jan 26 j 04:26	0°♑		
conjunction	-6468 Feb 07 j 14:06	0°♑42'19	-0°49'06	
minimum elong	-6468 Feb 07 j 14:06	0°♑42'19	0°49'33	
max. Earth dist.	-6468 Feb 08 j 00:19	0°♑43'47	20.85447 AU	
morning rise	-6468 Feb 24 j 04:48	1°♑38'49		
retrograde	-6468 May 28 j 23:08	4°♑47'39		
opposition	-6468 Aug 13 j 16:17	2°♑47'18	-0°55'20	
min. Earth dist.	-6468 Aug 13 j 08:10	2°♑48'09	18.82817 AU	
direct	-6468 Oct 27 j 04:58	0°♑49'22		
evening set	-6467 Jan 25 j 13:33	3°♑50'36		
conjunction	-6467 Feb 11 j 01:43	4°♑46'50	-0°50'47	
minimum elong	-6467 Feb 11 j 01:43	4°♑46'50	0°51'13	
max. Earth dist.	-6467 Feb 11 j 08:41	4°♑47'50	20.80069 AU	
morning rise	-6467 Feb 27 j 17:17	5°♑43'34		
retrograde	-6467 Jun 02 j 09:28	8°♑52'48		
opposition	-6467 Aug 17 j 22:52	6°♑52'17	-0°57'04	
min. Earth dist.	-6467 Aug 17 j 17:44	6°♑52'49	18.77259 AU	
direct	-6467 Oct 31 j 10:45	4°♑53'58		
evening set	-6466 Jan 30 j 00:51	7°♑56'05		
conjunction	-6466 Feb 15 j 14:07	8°♑52'35	-0°52'13	
minimum elong	-6466 Feb 15 j 14:07	8°♑52'35	0°52'39	
max. Earth dist.	-6466 Feb 15 j 19:41	8°♑53'23	20.74353 AU	
morning rise	-6466 Mar 04 j 06:17	9°♑49'33		
retrograde	-6466 Jun 06 j 21:15	12°♑59'12		
opposition	-6466 Aug 22 j 05:41	10°♑58'32	-0°58'32	
min. Earth dist.	-6466 Aug 22 j 01:28	10°♑58'59	18.71392 AU	
direct	-6466 Nov 04 j 18:20	8°♑59'50		
evening set	-6465 Feb 03 j 12:58	12°♑02'53		

Attention, astronomical year style is used: The year -6465 in astronomical counting style is the year 6466 BCE in historical counting style.

conjunction	-6465 Feb 20 j 03:00	12°♉59'40	-0°53'23
minimum elong	-6465 Feb 20 j 03:00	12°♉59'40	0°53'48
max. Earth dist.	-6465 Feb 20 j 05:37	13°♉00'02	20.68352 AU
morning rise	-6465 Mar 08 j 19:57	13°♉56'52	
retrograde	-6465 Jun 11 j 08:21	17°♉07'00	
opposition	-6465 Aug 26 j 13:05	15°♉06'10	-0°59'41
min. Earth dist.	-6465 Aug 26 j 11:42	15°♉06'19	18.65280 AU
direct	-6465 Nov 09 j 01:08	13°♉07'04	
evening set	-6464 Feb 08 j 01:56	16°♉11'08	
conjunction	-6464 Feb 24 j 16:58	17°♉08'13	-0°54'17
minimum elong	-6464 Feb 24 j 16:58	17°♉08'13	0°54'42
max. Earth dist.	-6464 Feb 24 j 18:06	17°♉08'23	20.62142 AU
morning rise	-6464 Mar 12 j 10:26	18°♉05'40	
retrograde	-6464 Jun 14 j 21:20	21°♉16'17	
opposition	-6464 Aug 29 j 20:39	19°♉15'19	-1°00'33
min. Earth dist.	-6464 Aug 29 j 20:09	19°♉15'23	18.58974 AU
direct	-6464 Nov 12 j 10:03	17°♉15'50	
evening set	-6463 Feb 11 j 15:55	20°♉20'59	
conjunction	-6463 Feb 28 j 07:38	21°♉18'22	-0°54'55
minimum elong	-6463 Feb 28 j 07:38	21°♉18'22	0°55'20
max. Earth dist.	-6463 Feb 28 j 05:55	21°♉18'07	20.55752 AU
morning rise	-6463 Mar 17 j 01:42	22°♉16'05	
retrograde	-6463 Jun 19 j 09:09	25°♉27'13	
opposition	-6463 Sep 03 j 05:02	23°♉26'09	-1°01'07
min. Earth dist.	-6463 Sep 03 j 07:20	23°♉25'54	18.52521 AU
direct	-6463 Nov 16 j 17:51	21°♉26'17	
evening set	-6462 Feb 16 j 06:29	24°♉32'35	
conjunction	-6462 Mar 04 j 23:04	25°♉30'15	-0°55'15
minimum elong	-6462 Mar 04 j 23:04	25°♉30'15	0°55'39
max. Earth dist.	-6462 Mar 04 j 19:47	25°♉29'46	20.49244 AU
morning rise	-6462 Mar 21 j 17:33	26°♉28'13	
retrograde	-6462 Jun 23 j 23:32	29°♉39'56	
opposition	-6462 Sep 07 j 13:49	27°♉38'46	-1°01'21
min. Earth dist.	-6462 Sep 07 j 16:55	27°♉38'26	18.45954 AU
direct	-6462 Nov 21 j 04:28	25°♉38'32	
evening set	-6461 Feb 20 j 22:17	28°♉46'03	
conjunction	-6461 Mar 09 j 15:30	29°♉44'02	-0°55'18
minimum elong	-6461 Mar 09 j 15:30	29°♉44'02	0°55'42
max. Earth dist.	-6461 Mar 09 j 09:31	29°♉43'09	20.42623 AU
	-6461 Mar 14 j 05:10	0°♒	
morning rise	-6461 Mar 26 j 10:26	0°♒42'16	
retrograde	-6461 Jun 28 j 12:24	3°♒54'33	
opposition	-6461 Sep 11 j 23:18	1°♒53'20	-1°01'15
min. Earth dist.	-6461 Sep 12 j 05:20	1°♒52'41	18.39288 AU
	-6461 Nov 08 j 23:18	30°℞♉	
direct	-6461 Nov 25 j 13:19	29°♉52'44	
	-6461 Dec 12 j 04:19	0°♒	
evening set	-6460 Feb 25 j 15:03	3°♒01'32	
conjunction	-6460 Mar 13 j 09:01	3°♒59'49	-0°55'03
minimum elong	-6460 Mar 13 j 09:01	3°♒59'49	0°55'26
max. Earth dist.	-6460 Mar 13 j 01:03	3°♒58'39	20.35914 AU
morning rise	-6460 Mar 30 j 04:18	4°♒58'19	
retrograde	-6460 Jul 02 j 04:30	8°♒11'13	
opposition	-6460 Sep 15 j 09:24	6°♒09'56	-1°00'49
min. Earth dist.	-6460 Sep 15 j 16:30	6°♒09'11	18.32518 AU
direct	-6460 Nov 29 j 02:09	4°♒08'59	
evening set	-6459 Mar 01 j 08:57	7°♒19'06	
conjunction	-6459 Mar 18 j 03:25	8°♒17'42	-0°54'29
minimum elong	-6459 Mar 18 j 03:25	8°♒17'42	0°54'51
max. Earth dist.	-6459 Mar 17 j 16:46	8°♒16'08	20.29076 AU
morning rise	-6459 Apr 03 j 22:54	9°♒16'28	
retrograde	-6459 Jul 06 j 18:30	12°♒29'59	
opposition	-6459 Sep 19 j 20:22	10°♒28'39	-1°00'02
min. Earth dist.	-6459 Sep 20 j 06:31	10°♒27'34	18.25626 AU
direct	-6459 Dec 03 j 12:41	8°♒27'19	
evening set	-6458 Mar 06 j 03:46	11°♒38'47	
conjunction	-6458 Mar 22 j 22:46	12°♒37'41	-0°53'36
minimum elong	-6458 Mar 22 j 22:47	12°♒37'41	0°53'57
max. Earth dist.	-6458 Mar 22 j 09:42	12°♒35'46	20.22126 AU
morning rise	-6458 Apr 08 j 18:28	13°♒36'43	
	-6458 May 04 j 11:49	15°♒	
retrograde	-6458 Jul 11 j 12:06	16°♒50'52	
	-6458 Sep 20 j 05:15	15°℞♒	
opposition	-6458 Sep 24 j 07:58	14°♒49'27	-0°58'54
min. Earth dist.	-6458 Sep 24 j 19:19	14°♒48'14	18.18611 AU
direct	-6458 Dec 08 j 03:21	12°♒47'43	
	-6457 Feb 20 j 18:03	15°♒	
evening set	-6457 Mar 10 j 23:36	16°♒00'33	
conjunction	-6457 Mar 27 j 19:04	16°♒59'46	-0°52'24
minimum elong	-6457 Mar 27 j 19:05	16°♒59'46	0°52'42
max. Earth dist.	-6457 Mar 27 j 03:29	16°♒57'28	20.15036 AU
morning rise	-6457 Apr 13 j 14:49	17°♒59'03	
retrograde	-6457 Jul 16 j 03:46	21°♒13'48	
opposition	-6457 Sep 28 j 20:34	19°♒12'18	-0°57'24
min. Earth dist.	-6457 Sep 29 j 10:55	19°♒10'46	18.11462 AU
direct	-6457 Dec 12 j 16:14	17°♒10'09	
evening set	-6456 Mar 14 j 20:31	20°♒24'20	
conjunction	-6456 Mar 31 j 16:20	21°♒23'51	-0°50'53
minimum elong	-6456 Mar 31 j 16:20	21°♒23'51	0°51'11
max. Earth dist.	-6456 Mar 30 j 21:56	21°♒21'07	20.07839 AU
morning rise	-6456 Apr 17 j 12:10	22°♒23'24	
retrograde	-6456 Jul 19 j 22:20	25°♒38'44	
opposition	-6456 Oct 02 j 09:42	23°♒37'07	-0°55'34
min. Earth dist.	-6456 Oct 03 j 01:16	23°♒35'27	18.04222 AU
direct	-6456 Dec 16 j 08:32	21°♒34'31	
evening set	-6455 Mar 19 j 18:18	24°♒50'05	
conjunction	-6455 Apr 05 j 14:26	25°♒49'53	-0°49'03
minimum elong	-6455 Apr 05 j 14:26	25°♒49'53	0°49'18
max. Earth dist.	-6455 Apr 04 j 18:02	25°♒46'51	20.00565 AU
morning rise	-6455 Apr 22 j 10:03	26°♒49'41	
	-6455 Jul 10 j 05:59	0°♓	
retrograde	-6455 Jul 24 j 15:35	0°♓05'36	
	-6455 Aug 08 j 04:10	30°℞♒	
opposition	-6455 Oct 06 j 23:50	28°♒03'51	-0°53'22
min. Earth dist.	-6455 Oct 07 j 18:02	28°♒01'53	17.96944 AU
direct	-6455 Dec 20 j 23:28	26°♒00'48	
evening set	-6454 Mar 24 j 16:47	29°♒17'42	
	-6454 Apr 05 j 14:17	0°♓	
conjunction	-6454 Apr 10 j 13:02	0°♓17'48	-0°46'54
minimum elong	-6454 Apr 10 j 13:02	0°♓17'48	0°47'09
max. Earth dist.	-6454 Apr 09 j 13:58	0°♓14'21	19.93309 AU
morning rise	-6454 Apr 27 j 08:38	1°♓17'50	
retrograde	-6454 Jul 29 j 11:09	4°♓34'20	
opposition	-6454 Oct 11 j 14:35	2°♓32'26	-0°50'51
min. Earth dist.	-6454 Oct 12 j 09:49	2°♓30'21	17.89720 AU
direct	-6454 Dec 25 j 17:24	0°♓28'54	
evening set	-6453 Mar 29 j 16:12	3°♓47'11	
conjunction	-6453 Apr 15 j 12:39	4°♓47'33	-0°44'27
minimum elong	-6453 Apr 15 j 12:39	4°♓47'33	0°44'41
max. Earth dist.	-6453 Apr 14 j 12:18	4°♓43'53	19.86126 AU
morning rise	-6453 May 02 j 07:50	5°♓47'48	
retrograde	-6453 Aug 03 j 05:40	9°♓04'51	

Attention, astronomical year style is used: The year -6453 in astronomical counting style is the year 6454 BCE in historical counting style.

opposition	-6453 Oct 16 j 06:06	7°♓02'50	-0°47'59
min. Earth dist.	-6453 Oct 17 j 03:33	7°♓00'30	17.82611 AU
direct	-6453 Dec 30 j 10:07	4°♓58'51	
evening set	-6452 Apr 02 j 16:33	8°♓18'28	
max. Earth dist.	-6452 Apr 18 j 09:52	9°♓15'02	19.79115 AU
conjunction	-6452 Apr 19 j 12:51	9°♓19'06	-0°41'44
minimum elong	-6452 Apr 19 j 12:51	9°♓19'07	0°41'54
morning rise	-6452 May 06 j 07:50	10°♓19'35	
retrograde	-6452 Aug 07 j 02:23	13°♓37'11	
opposition	-6452 Oct 19 j 22:28	11°♓35'02	-0°44'49
min. Earth dist.	-6452 Oct 20 j 20:47	11°♓32'36	17.75716 AU
direct	-6451 Jan 03 j 05:39	9°♓30'36	
evening set	-6451 Apr 07 j 17:21	12°♓51'34	
max. Earth dist.	-6451 Apr 23 j 10:14	13°♓48'17	19.72337 AU
conjunction	-6451 Apr 24 j 13:40	13°♓52'27	-0°38'43
minimum elong	-6451 Apr 24 j 13:40	13°♓52'27	0°38'53
morning rise	-6451 May 11 j 08:00	14°♓53'07	
retrograde	-6451 Aug 11 j 22:21	18°♓11'17	
opposition	-6451 Oct 24 j 15:44	16°♓09'01	-0°41'20
min. Earth dist.	-6451 Oct 25 j 15:34	16°♓06'25	17.69093 AU
direct	-6450 Jan 08 j 00:03	14°♓04'13	
evening set	-6450 Apr 12 j 19:04	17°♓26'29	
max. Earth dist.	-6450 Apr 28 j 09:14	18°♓23'04	19.65887 AU
conjunction	-6450 Apr 29 j 14:59	18°♓27'36	-0°35'27
minimum elong	-6450 Apr 29 j 14:59	18°♓27'36	0°35'35
morning rise	-6450 May 16 j 08:56	19°♓28'27	
retrograde	-6450 Aug 16 j 20:06	22°♓47'10	
opposition	-6450 Oct 29 j 09:41	20°♓44'49	-0°37'35
min. Earth dist.	-6450 Oct 30 j 10:15	20°♓42'08	17.62837 AU
direct	-6449 Jan 12 j 20:55	18°♓39'38	
evening set	-6449 Apr 17 j 21:19	22°♓03'13	
max. Earth dist.	-6449 May 03 j 11:27	23°♓00'00	19.59820 AU
conjunction	-6449 May 04 j 17:06	23°♓04'33	-0°31'57
minimum elong	-6449 May 04 j 17:07	23°♓04'33	0°32'02
morning rise	-6449 May 21 j 10:16	24°♓05'35	
retrograde	-6449 Aug 21 j 17:30	27°♓24'49	
opposition	-6449 Nov 03 j 04:40	25°♓22'26	-0°33'33
min. Earth dist.	-6449 Nov 04 j 06:11	25°♓19'39	17.56975 AU
direct	-6448 Jan 17 j 17:04	23°♓16'58	
evening set	-6448 Apr 22 j 00:28	26°♓41'48	
max. Earth dist.	-6448 May 07 j 11:55	27°♓38'27	19.54180 AU
conjunction	-6448 May 08 j 19:37	27°♓43'20	-0°28'12
minimum elong	-6448 May 08 j 19:37	27°♓43'20	0°28'16
morning rise	-6448 May 25 j 12:10	28°♓44'30	
	-6448 Jun 16 j 13:43	0°♈	
retrograde	-6448 Aug 25 j 16:09	2°♈04'17	
opposition	-6448 Nov 07 j 00:27	0°♈01'54	-0°29'16
	-6448 Nov 07 j 17:44	30°℞♓	
min. Earth dist.	-6448 Nov 08 j 02:44	29°♓59'01	17.51567 AU
direct	-6447 Jan 21 j 15:43	27°♓56'10	
	-6447 Apr 03 j 00:54	0°♈	
evening set	-6447 Apr 27 j 04:01	1°♈22'13	
conjunction	-6447 May 13 j 22:48	2°♈23'56	-0°24'15
minimum elong	-6447 May 13 j 22:48	2°♈23'56	0°24'16
max. Earth dist.	-6447 May 12 j 15:36	2°♈19'07	19.48997 AU
morning rise	-6447 May 30 j 14:23	3°♈25'13	
retrograde	-6447 Aug 30 j 14:37	6°♈45'30	
opposition	-6447 Nov 11 j 21:12	4°♈43'09	-0°24'46
min. Earth dist.	-6447 Nov 12 j 23:53	4°♈40'14	17.46608 AU
direct	-6446 Jan 26 j 14:21	2°♈37'15	
evening set	-6446 May 02 j 08:12	6°♈04'26	
max. Earth dist.	-6446 May 17 j 17:22	7°♈01'11	19.44265 AU
conjunction	-6446 May 19 j 02:12	7°♈06'17	-0°20'06
minimum elong	-6446 May 19 j 02:12	7°♈06'17	0°20'06
morning rise	-6446 Jun 04 j 17:00	8°♈07'41	
retrograde	-6446 Sep 04 j 13:36	11°♈28'27	
opposition	-6446 Nov 16 j 18:48	9°♈26'08	-0°20'03
min. Earth dist.	-6446 Nov 17 j 22:27	9°♈23'06	17.42106 AU
direct	-6445 Jan 31 j 14:46	7°♈20'02	
evening set	-6445 May 07 j 12:54	10°♈48'18	
max. Earth dist.	-6445 May 22 j 21:54	11°♈45'14	19.39973 AU
conjunction	-6445 May 24 j 06:17	11°♈50'16	-0°15'49
minimum elong	-6445 May 24 j 06:16	11°♈50'16	0°15'45
behind sun begin	-6445 May 24 j 05:40	11°♈50'11	
behind sun end	-6445 May 24 j 06:53	11°♈50'22	
morning rise	-6445 Jun 09 j 19:59	12°♈51'45	
retrograde	-6445 Sep 09 j 13:19	16°♈12'56	
opposition	-6445 Nov 21 j 17:11	14°♈10'40	-0°15'11
min. Earth dist.	-6445 Nov 22 j 20:52	14°♈07'38	17.38021 AU
direct	-6444 Feb 05 j 16:30	12°♈04'26	
evening set	-6444 May 11 j 18:12	15°♈33'39	
max. Earth dist.	-6444 May 27 j 01:05	16°♈30'28	19.36098 AU
conjunction	-6444 May 28 j 10:36	16°♈35'42	-0°11'23
minimum elong	-6444 May 28 j 10:35	16°♈35'42	0°11'18
behind sun begin	-6444 May 28 j 05:41	16°♈34'57	
behind sun end	-6444 May 28 j 15:30	16°♈36'27	
morning rise	-6444 Jun 13 j 23:15	17°♈37'15	
retrograde	-6444 Sep 13 j 12:40	20°♈58'49	
opposition	-6444 Nov 25 j 16:35	18°♈56'34	-0°10'10
min. Earth dist.	-6444 Nov 26 j 21:16	18°♈53'26	17.34370 AU
direct	-6443 Feb 09 j 18:31	16°♈50'10	
evening set	-6443 May 16 j 23:27	20°♈20'14	
max. Earth dist.	-6443 Jun 01 j 05:55	21°♈17'10	19.32659 AU
conjunction	-6443 Jun 02 j 14:57	21°♈22'20	-0°06'52
minimum elong	-6443 Jun 02 j 14:57	21°♈22'21	0°06'45
behind sun begin	-6443 Jun 02 j 08:40	21°♈21'23	
behind sun end	-6443 Jun 02 j 21:14	21°♈23'18	
morning rise	-6443 Jun 19 j 02:28	22°♈23'54	
retrograde	-6443 Sep 18 j 13:52	25°♈45'48	
opposition	-6443 Nov 30 j 16:36	23°♈43'34	-0°05'05
min. Earth dist.	-6443 Dec 01 j 20:40	23°♈40'30	17.31144 AU
direct	-6442 Feb 14 j 22:22	21°♈37'02	
evening set	-6442 May 22 j 05:04	25°♈07'49	
max. Earth dist.	-6442 Jun 06 j 10:12	26°♈04'43	19.29655 AU
conjunction	-6442 Jun 07 j 19:30	26°♈09'57	-0°02'16
minimum elong	-6442 Jun 07 j 19:30	26°♈09'57	0°02'07
behind sun begin	-6442 Jun 07 j 12:46	26°♈08'55	
behind sun end	-6442 Jun 08 j 02:15	26°♈10'59	
morning rise	-6442 Jun 24 j 05:48	27°♈11'31	
	-6442 Aug 19 j 23:10	0°♉	
retrograde	-6442 Sep 23 j 13:25	0°♉33'39	
	-6442 Oct 28 j 22:50	30°℞♈	
asc. node	-6442 Nov 30 j 20:40	28°♈44'09	
opposition	-6442 Dec 05 j 17:15	28°♈31'26	0°00'04
min. Earth dist.	-6442 Dec 06 j 22:13	28°♈28'16	17.28381 AU
direct	-6441 Feb 20 j 00:49	26°♈24'44	
evening set	-6441 May 27 j 10:42	29°♈56'08	
	-6441 May 28 j 11:52	0°♉	
max. Earth dist.	-6441 Jun 11 j 15:06	0°♉53'04	19.27136 AU
conjunction	-6441 Jun 13 j 00:02	0°♉58'16	0°02'29
minimum elong	-6441 Jun 13 j 00:02	0°♉58'16	0°02'38
behind sun begin	-6441 Jun 12 j 17:19	0°♉57'14	

Attention, astronomical year style is used: The year -6441 in astronomical counting style is the year 6442 BCE in historical counting style.

behind sun end	-6441 Jun	13 j 06:45	0°♉59'18	
morning rise	-6441 Jun	29 j 09:10	1°♉59'48	
retrograde	-6441 Sep	28 j 15:46	5°♉22'07	
opposition	-6441 Dec	10 j 18:28	3°♉19'54	0°05'13
min. Earth dist.	-6441 Dec	11 j 22:13	3°♉16'52	17.26105 AU
direct	-6440 Feb	25 j 05:46	1°♉13'05	
evening set	-6440 May	31 j 16:09	4°♉44'56	
max. Earth dist.	-6440 Jun	15 j 20:17	5°♉41'58	19.25120 AU
conjunction	-6440 Jun	17 j 04:21	5°♉47'02	0°07'04
minimum elong	-6440 Jun	17 j 04:20	5°♉47'02	0°07'17
behind sun begin	-6440 Jun	16 j 22:11	5°♉46'05	
behind sun end	-6440 Jun	17 j 10:30	5°♉47'59	
morning rise	-6440 Jul	03 j 12:05	6°♉48'31	
retrograde	-6440 Oct	02 j 15:31	10°♉10'58	
opposition	-6440 Dec	14 j 20:23	8°♉08'44	0°10'21
min. Earth dist.	-6440 Dec	16 j 00:35	8°♉05'39	17.24371 AU
direct	-6439 Mar	01 j 08:53	6°♉01'49	
evening set	-6439 Jun	05 j 21:28	9°♉34'00	
max. Earth dist.	-6439 Jun	21 j 00:50	10°♉31'02	19.23684 AU
conjunction	-6439 Jun	22 j 08:20	10°♉36'01	0°11'37
minimum elong	-6439 Jun	22 j 08:19	10°♉36'01	0°11'51
behind sun begin	-6439 Jun	22 j 03:40	10°♉35'18	
behind sun end	-6439 Jun	22 j 12:58	10°♉36'44	
morning rise	-6439 Jul	08 j 14:54	11°♉37'26	
retrograde	-6439 Oct	07 j 17:40	14°♉59'57	
opposition	-6439 Dec	19 j 22:29	12°♉57'41	0°15'24
min. Earth dist.	-6439 Dec	21 j 00:51	12°♉54'49	17.23232 AU
direct	-6438 Mar	06 j 14:21	10°♉50'43	
evening set	-6438 Jun	11 j 02:17	14°♉23'04	
	-6438 Jun	20 j 22:12	15°♉	
max. Earth dist.	-6438 Jun	26 j 06:30	15°♉20'20	19.22853 AU
conjunction	-6438 Jun	27 j 12:00	15°♉25'01	0°16'04
minimum elong	-6438 Jun	27 j 12:00	15°♉25'01	0°16'21
morning rise	-6438 Jul	13 j 17:08	16°♉26'18	
retrograde	-6438 Oct	12 j 17:19	19°♉48'50	
opposition	-6438 Dec	25 j 01:10	17°♉46'35	0°20'20
min. Earth dist.	-6438 Dec	26 j 03:27	17°♉43'43	17.22725 AU
direct	-6437 Mar	11 j 18:16	15°♉39'36	
evening set	-6437 Jun	16 j 06:57	19°♉12'01	
max. Earth dist.	-6437 Jul	01 j 10:23	20°♉09'15	19.22685 AU
conjunction	-6437 Jul	02 j 15:10	20°♉13'49	0°20'25
minimum elong	-6437 Jul	02 j 15:10	20°♉13'49	0°20'44
morning rise	-6437 Jul	18 j 19:07	21°♉14'59	
retrograde	-6437 Oct	17 j 18:51	24°♉37'29	
opposition	-6437 Dec	30 j 04:00	22°♉35'14	0°25'07
min. Earth dist.	-6437 Dec	31 j 03:59	22°♉32'38	17.22898 AU
direct	-6436 Mar	16 j 00:31	20°♉28'18	
evening set	-6436 Jun	20 j 11:01	24°♉00'40	
conjunction	-6436 Jul	06 j 18:01	25°♉02'19	0°24'38
minimum elong	-6436 Jul	06 j 18:01	25°♉02'19	0°24'57
max. Earth dist.	-6436 Jul	05 j 16:07	24°♉58'12	19.23207 AU
morning rise	-6436 Jul	22 j 20:28	26°♉03'19	
retrograde	-6436 Oct	21 j 18:24	29°♉25'45	
opposition	-6435 Jan	03 j 07:21	27°♉23'34	0°29'44
min. Earth dist.	-6435 Jan	04 j 06:29	27°♉21'04	17.23775 AU
direct	-6435 Mar	21 j 05:16	25°♉16'45	
evening set	-6435 Jun	25 j 14:34	28°♉48'56	
conjunction	-6435 Jul	11 j 20:03	29°♉50'23	0°28'40
minimum elong	-6435 Jul	11 j 20:03	29°♉50'23	0°29'00
max. Earth dist.	-6435 Jul	10 j 19:06	29°♉46'26	19.24448 AU
	-6435 Jul	14 j 08:28	0°♊	

morning rise	-6435 Jul	27 j 21:21	0°♊51'13	
retrograde	-6435 Oct	26 j 19:18	4°♊13'34	
opposition	-6434 Jan	08 j 10:40	2°♊11'28	0°34'07
min. Earth dist.	-6434 Jan	09 j 07:21	2°♊09'14	17.25365 AU
direct	-6434 Mar	26 j 11:10	0°♊04'50	
evening set	-6434 Jun	30 j 17:33	3°♊36'45	
conjunction	-6434 Jul	16 j 21:50	4°♊38'00	0°32'30
minimum elong	-6434 Jul	16 j 21:49	4°♊38'00	0°32'51
max. Earth dist.	-6434 Jul	16 j 00:06	4°♊34'33	19.26381 AU
morning rise	-6434 Aug	01 j 21:42	5°♊38'38	
retrograde	-6434 Oct	31 j 19:03	9°♊00'49	
opposition	-6433 Jan	13 j 14:06	6°♊58'52	0°38'17
min. Earth dist.	-6433 Jan	14 j 09:29	6°♊56'47	17.27619 AU
direct	-6433 Mar	31 j 16:21	4°♊52'29	
evening set	-6433 Jul	05 j 20:07	8°♊24'00	
conjunction	-6433 Jul	21 j 22:51	9°♊25'01	0°36'06
minimum elong	-6433 Jul	21 j 22:51	9°♊25'01	0°36'28
max. Earth dist.	-6433 Jul	21 j 02:12	9°♊21'44	19.28962 AU
morning rise	-6433 Aug	06 j 21:37	10°♊25'27	
retrograde	-6433 Nov	05 j 19:14	13°♊47'27	
opposition	-6432 Jan	18 j 17:43	11°♊45'40	0°42'09
min. Earth dist.	-6432 Jan	19 j 10:54	11°♊43'49	17.30506 AU
direct	-6432 Apr	04 j 21:32	9°♊39'33	
evening set	-6432 Jul	09 j 21:45	13°♊10'33	
conjunction	-6432 Jul	25 j 23:16	14°♊11'20	0°39'26
minimum elong	-6432 Jul	25 j 23:16	14°♊11'20	0°39'51
max. Earth dist.	-6432 Jul	25 j 05:56	14°♊08'35	19.32135 AU
morning rise	-6432 Aug	10 j 20:41	15°♊11'32	
retrograde	-6432 Nov	09 j 19:07	18°♊33'18	
opposition	-6431 Jan	22 j 21:27	16°♊31'41	0°45'44
min. Earth dist.	-6431 Jan	23 j 12:47	16°♊30'03	17.33938 AU
direct	-6431 Apr	10 j 02:43	14°♊25'54	
evening set	-6431 Jul	14 j 22:54	17°♊56'15	
conjunction	-6431 Jul	30 j 22:57	18°♊56'46	0°42'30
minimum elong	-6431 Jul	30 j 22:57	18°♊56'46	0°42'54
max. Earth dist.	-6431 Jul	30 j 06:54	18°♊54'13	19.35825 AU
morning rise	-6431 Aug	15 j 19:20	19°♊56'44	
retrograde	-6431 Nov	14 j 18:32	23°♊18'13	
opposition	-6430 Jan	28 j 00:53	21°♊16'45	0°48'59
min. Earth dist.	-6430 Jan	28 j 14:24	21°♊15'19	17.37875 AU
direct	-6430 Apr	15 j 06:36	19°♊11'17	
evening set	-6430 Jul	19 j 23:08	22°♊40'54	
conjunction	-6430 Aug	04 j 22:02	23°♊41'08	0°45'16
minimum elong	-6430 Aug	04 j 22:02	23°♊41'08	0°45'41
max. Earth dist.	-6430 Aug	04 j 08:55	23°♊39'03	19.39983 AU
morning rise	-6430 Aug	20 j 17:14	24°♊40'51	
retrograde	-6430 Nov	19 j 18:09	28°♊01'59	
opposition	-6429 Feb	02 j 04:17	26°♊00'41	0°51'53
min. Earth dist.	-6429 Feb	02 j 15:31	25°♊59'29	17.42227 AU
direct	-6429 Apr	20 j 10:52	23°♊55'33	
evening set	-6429 Jul	24 j 22:37	27°♊24'18	
conjunction	-6429 Aug	09 j 20:10	28°♊24'14	0°47'43
minimum elong	-6429 Aug	09 j 20:10	28°♊24'14	0°48'08
max. Earth dist.	-6429 Aug	09 j 08:38	28°♊22'24	19.44529 AU
morning rise	-6429 Aug	25 j 14:23	29°♊23'41	
	-6429 Sep	04 j 14:13	0°♋	
retrograde	-6429 Nov	24 j 16:56	2°♋44'27	
opposition	-6428 Feb	07 j 07:30	0°♋43'15	0°54'25
min. Earth dist.	-6428 Feb	07 j 17:07	0°♋42'14	17.46965 AU
	-6428 Feb	24 j 17:05	30°℞♊	
direct	-6428 Apr	24 j 13:46	28°♊38'27	

Attention, astronomical year style is used: The year -6428 in astronomical counting style is the year 6429 BCE in historical counting style.

	-6428 Jun 20 j 12:08	0°♋	
evening set	-6428 Jul 28 j 21:07	2°♋06'14	
conjunction	-6428 Aug 13 j 17:33	3°♋05'52	0°49'49
minimum elong	-6428 Aug 13 j 17:33	3°♋05'52	0°50'14
max. Earth dist.	-6428 Aug 13 j 08:42	3°♋04'28	19.49447 AU
morning rise	-6428 Aug 29 j 10:48	4°♋05'02	
retrograde	-6428 Nov 28 j 15:48	7°♋25'21	
opposition	-6427 Feb 11 j 10:14	5°♋24'17	0°56'33
min. Earth dist.	-6427 Feb 11 j 17:01	5°♋23'34	17.52039 AU
direct	-6427 Apr 29 j 17:06	3°♋19'49	
evening set	-6427 Aug 02 j 18:35	6°♋46'30	
conjunction	-6427 Aug 18 j 13:55	7°♋45'50	0°51'35
minimum elong	-6427 Aug 18 j 13:54	7°♋45'50	0°52'01
max. Earth dist.	-6427 Aug 18 j 07:08	7°♋44'46	19.54683 AU
morning rise	-6427 Sep 03 j 06:21	8°♋44'44	
retrograde	-6427 Dec 03 j 13:22	12°♋04'34	
opposition	-6426 Feb 16 j 12:34	10°♋03'34	0°58'19
min. Earth dist.	-6426 Feb 16 j 17:56	10°♋03'00	17.57437 AU
direct	-6426 May 04 j 18:52	7°♋59'25	
evening set	-6426 Aug 07 j 15:02	11°♋24'58	
conjunction	-6426 Aug 23 j 09:21	12°♋23'58	0°53'00
minimum elong	-6426 Aug 23 j 09:21	12°♋23'58	0°53'24
max. Earth dist.	-6426 Aug 23 j 04:59	12°♋23'17	19.60238 AU
morning rise	-6426 Sep 08 j 01:02	13°♋22'35	
retrograde	-6426 Dec 08 j 10:46	16°♋41'52	
opposition	-6425 Feb 21 j 14:08	14°♋40'57	0°59'41
min. Earth dist.	-6425 Feb 21 j 16:18	14°♋40'43	17.63134 AU
direct	-6425 May 09 j 21:38	12°♋37'08	
evening set	-6425 Aug 12 j 10:26	16°♋01'27	
conjunction	-6425 Aug 28 j 03:48	17°♋00'07	0°54'03
minimum elong	-6425 Aug 28 j 03:48	17°♋00'07	0°54'29
max. Earth dist.	-6425 Aug 28 j 02:07	16°♋59'51	19.66093 AU
morning rise	-6425 Sep 12 j 18:47	17°♋58'27	
retrograde	-6425 Dec 13 j 06:08	21°♋17'11	
opposition	-6424 Feb 26 j 15:25	19°♋16'18	1°00'39
min. Earth dist.	-6424 Feb 26 j 16:07	19°♋16'14	17.69155 AU
direct	-6424 May 13 j 22:31	17°♋12'50	
evening set	-6424 Aug 16 j 04:37	20°♋35'50	
conjunction	-6424 Aug 31 j 21:05	21°♋34'11	0°54'46
minimum elong	-6424 Aug 31 j 21:05	21°♋34'11	0°55'10
max. Earth dist.	-6424 Aug 31 j 21:48	21°♋34'18	19.72279 AU
morning rise	-6424 Sep 16 j 11:34	22°♋32'14	
retrograde	-6424 Dec 17 j 02:11	25°♋50'24	
opposition	-6423 Mar 02 j 15:50	23°♋49'34	1°01'14
min. Earth dist.	-6423 Mar 02 j 12:55	23°♋49'52	17.75495 AU
direct	-6423 May 18 j 23:47	21°♋46'27	
evening set	-6423 Aug 20 j 21:52	25°♋08'08	
conjunction	-6423 Sep 05 j 13:36	26°♋06'09	0°55'08
minimum elong	-6423 Sep 05 j 13:36	26°♋06'09	0°55'32
max. Earth dist.	-6423 Sep 05 j 17:24	26°♋06'45	19.78776 AU
morning rise	-6423 Sep 21 j 03:31	27°♋03'55	
	-6423 Nov 23 j 11:33	0°♌	
retrograde	-6423 Dec 21 j 19:35	0°♌21'28	
	-6422 Jan 19 j 21:06	30°℞♋	
opposition	-6422 Mar 07 j 15:32	28°♋20'44	1°01'25
min. Earth dist.	-6422 Mar 07 j 11:07	28°♋21'11	17.82158 AU
direct	-6422 May 23 j 22:36	26°♋18'01	
evening set	-6422 Aug 25 j 14:09	29°♋38'21	
	-6422 Aug 31 j 12:12	0°♌	
conjunction	-6422 Sep 10 j 05:08	0°♌36'03	0°55'10
minimum elong	-6422 Sep 10 j 05:08	0°♌36'03	0°55'33
max. Earth dist.	-6422 Sep 10 j 10:56	0°♌36'57	19.85596 AU
morning rise	-6422 Sep 25 j 18:45	1°♌33'32	
retrograde	-6422 Dec 26 j 14:23	4°♌50'29	
opposition	-6421 Mar 12 j 14:31	2°♌49'51	1°01'15
min. Earth dist.	-6421 Mar 12 j 06:27	2°♌50'41	17.89117 AU
direct	-6421 May 28 j 21:40	0°♌47'33	
evening set	-6421 Aug 30 j 05:17	4°♌06'32	
conjunction	-6421 Sep 14 j 19:44	5°♌03'55	0°54'52
minimum elong	-6421 Sep 14 j 19:44	5°♌03'55	0°55'14
max. Earth dist.	-6421 Sep 15 j 04:52	5°♌05'19	19.92683 AU
morning rise	-6421 Sep 30 j 08:56	6°♌01'08	
retrograde	-6421 Dec 31 j 06:32	9°♌17'30	
opposition	-6420 Mar 16 j 13:00	7°♌17'00	1°00'43
min. Earth dist.	-6420 Mar 16 j 03:26	7°♌17'59	17.96323 AU
direct	-6420 Jun 01 j 18:01	5°♌15'10	
evening set	-6420 Sep 02 j 19:39	8°♌32'46	
conjunction	-6420 Sep 18 j 09:30	9°♌29'51	0°54'15
minimum elong	-6420 Sep 18 j 09:31	9°♌29'51	0°54'37
max. Earth dist.	-6420 Sep 18 j 20:19	9°♌31'30	19.99998 AU
morning rise	-6420 Oct 03 j 22:39	10°♌26'48	
retrograde	-6419 Jan 04 j 00:38	13°♌42'34	
opposition	-6419 Mar 21 j 10:28	11°♌42'13	0°59'49
min. Earth dist.	-6419 Mar 20 j 21:37	11°♌43'32	18.03718 AU
direct	-6419 Jun 06 j 14:29	9°♌40'51	
evening set	-6419 Sep 07 j 08:59	12°♌57'06	
conjunction	-6419 Sep 22 j 22:33	13°♌53'53	0°53'18
minimum elong	-6419 Sep 22 j 22:33	13°♌53'53	0°53'38
max. Earth dist.	-6419 Sep 23 j 12:32	13°♌56'01	20.07445 AU
morning rise	-6419 Oct 08 j 11:28	14°♌50'35	
	-6419 Oct 11 j 02:45	15°♌	
retrograde	-6418 Jan 08 j 15:41	18°♌05'45	
opposition	-6418 Mar 26 j 07:23	16°♌05'35	0°58'34
min. Earth dist.	-6418 Mar 25 j 17:19	16°♌07'01	18.11202 AU
	-6418 Apr 23 j 12:57	15°℞♌	
direct	-6418 Jun 11 j 08:54	14°♌04'41	
	-6418 Jul 28 j 01:51	15°♌	
evening set	-6418 Sep 11 j 21:35	17°♌19'34	
conjunction	-6418 Sep 27 j 10:40	18°♌16'03	0°52'04
minimum elong	-6418 Sep 27 j 10:40	18°♌16'03	0°52'22
max. Earth dist.	-6418 Sep 28 j 01:52	18°♌18'22	20.14949 AU
morning rise	-6418 Oct 12 j 23:41	19°♌12'31	
retrograde	-6417 Jan 13 j 08:38	22°♌27'06	
min. Earth dist.	-6417 Mar 30 j 10:34	20°♌28'47	18.18706 AU
opposition	-6417 Mar 31 j 03:25	20°♌27'04	0°57'00
direct	-6417 Jun 16 j 03:16	18°♌26'39	
evening set	-6417 Sep 16 j 09:19	21°♌40'10	
conjunction	-6417 Oct 01 j 22:17	22°♌36'23	0°50'31
minimum elong	-6417 Oct 01 j 22:17	22°♌36'23	0°50'49
max. Earth dist.	-6417 Oct 02 j 16:25	22°♌39'08	20.22423 AU
morning rise	-6417 Oct 17 j 11:13	23°♌32'37	
retrograde	-6416 Jan 17 j 22:53	26°♌46'37	
opposition	-6416 Apr 03 j 22:51	24°♌46'44	0°55'06
min. Earth dist.	-6416 Apr 03 j 04:57	24°♌48'33	18.26141 AU
direct	-6416 Jun 19 j 20:25	22°♌46'46	
evening set	-6416 Sep 19 j 20:18	25°♌58'56	
conjunction	-6416 Oct 05 j 09:00	26°♌54'53	0°48'42
minimum elong	-6416 Oct 05 j 09:00	26°♌54'53	0°48'57
max. Earth dist.	-6416 Oct 06 j 03:52	26°♌57'44	20.29801 AU
morning rise	-6416 Oct 20 j 22:16	27°♌50'54	
	-6416 Dec 01 j 19:26	0°♍	

Attention, astronomical year style is used: The year -6415 in astronomical counting style is the year 6416 BCE in historical counting style.

retrograde	-6415 Jan 21 j 14:26	1°♍04'19	
	-6415 Mar 16 j 00:19	30°℞♌	
opposition	-6415 Apr 08 j 17:22	29°♌04'32	0°52'54
min. Earth dist.	-6415 Apr 07 j 21:14	29°♌06'35	18.33445 AU
direct	-6415 Jun 24 j 12:31	27°♌04'59	
	-6415 Sep 19 j 17:46	0°♍	
evening set	-6415 Sep 24 j 06:31	0°♍15'50	
conjunction	-6415 Oct 09 j 19:18	1°♍11'33	0°46'37
minimum elong	-6415 Oct 09 j 19:18	1°♍11'33	0°46'52
max. Earth dist.	-6415 Oct 10 j 16:42	1°♍14'46	20.36997 AU
morning rise	-6415 Oct 25 j 08:38	2°♍07'21	
retrograde	-6414 Jan 26 j 03:26	5°♍20'09	
opposition	-6414 Apr 13 j 10:58	3°♍20'29	0°50'26
min. Earth dist.	-6414 Apr 12 j 13:58	3°♍22'37	18.40531 AU
direct	-6414 Jun 29 j 04:34	1°♍21'20	
evening set	-6414 Sep 28 j 16:05	4°♍30'53	
conjunction	-6414 Oct 14 j 04:44	5°♍26'20	0°44'18
minimum elong	-6414 Oct 14 j 04:44	5°♍26'21	0°44'30
max. Earth dist.	-6414 Oct 15 j 02:28	5°♍29'36	20.43969 AU
morning rise	-6414 Oct 29 j 18:33	6°♍21'57	
retrograde	-6413 Jan 30 j 17:36	9°♍34'11	
min. Earth dist.	-6413 Apr 17 j 05:04	7°♍36'52	18.47383 AU
opposition	-6413 Apr 18 j 03:52	7°♍34'35	0°47'43
direct	-6413 Jul 03 j 18:29	5°♍35'46	
evening set	-6413 Oct 03 j 00:36	8°♍44'02	
conjunction	-6413 Oct 18 j 13:32	9°♍39'16	0°41'45
minimum elong	-6413 Oct 18 j 13:32	9°♍39'16	0°41'57
max. Earth dist.	-6413 Oct 19 j 13:44	9°♍42'53	20.50684 AU
morning rise	-6413 Nov 03 j 03:36	10°♍34'42	
retrograde	-6412 Feb 04 j 05:18	13°♍46'20	
opposition	-6412 Apr 21 j 19:55	11°♍46'47	0°44'45
min. Earth dist.	-6412 Apr 20 j 20:09	11°♍49'10	18.53964 AU
direct	-6412 Jul 07 j 09:18	9°♍48'18	
evening set	-6412 Oct 06 j 08:39	12°♍55'18	
conjunction	-6412 Oct 21 j 21:37	13°♍50'20	0°39'00
minimum elong	-6412 Oct 21 j 21:38	13°♍50'20	0°39'09
max. Earth dist.	-6412 Oct 22 j 22:03	13°♍53'58	20.57143 AU
morning rise	-6412 Nov 06 j 12:21	14°♍45'35	
retrograde	-6411 Feb 07 j 18:12	17°♍56'40	
min. Earth dist.	-6411 Apr 25 j 09:44	15°♍59'38	18.60308 AU
opposition	-6411 Apr 26 j 10:52	15°♍57'06	0°41'34
direct	-6411 Jul 11 j 21:27	13°♍58'54	
evening set	-6411 Oct 10 j 15:47	17°♍04'43	
conjunction	-6411 Oct 26 j 05:12	17°♍59'33	0°36'04
minimum elong	-6411 Oct 26 j 05:12	17°♍59'33	0°36'12
max. Earth dist.	-6411 Oct 27 j 08:00	18°♍03'31	20.63359 AU
morning rise	-6411 Nov 10 j 20:18	18°♍54'40	
retrograde	-6410 Feb 12 j 04:35	22°♍05'10	
min. Earth dist.	-6410 Apr 29 j 22:47	20°♍08'16	18.66408 AU
opposition	-6410 May 01 j 01:01	20°♍05'38	0°38'13
direct	-6410 Jul 16 j 10:23	18°♍07'44	
evening set	-6410 Oct 14 j 22:24	21°♍12'23	
conjunction	-6410 Oct 30 j 11:56	22°♍07'03	0°32'58
minimum elong	-6410 Oct 30 j 11:56	22°♍07'03	0°33'04
max. Earth dist.	-6410 Oct 31 j 14:57	22°♍11'02	20.69351 AU
morning rise	-6410 Nov 15 j 03:47	23°♍02'00	
retrograde	-6409 Feb 16 j 16:23	26°♍12'00	
min. Earth dist.	-6409 May 04 j 10:59	24°♍15'14	18.72307 AU
opposition	-6409 May 05 j 14:25	24°♍12'28	0°34'41
direct	-6409 Jul 20 j 20:58	22°♍14'51	
evening set	-6409 Oct 19 j 04:20	25°♍18'26	
conjunction	-6409 Nov 03 j 18:27	26°♍12'56	0°29'43
minimum elong	-6409 Nov 03 j 18:27	26°♍12'56	0°29'47
max. Earth dist.	-6409 Nov 04 j 23:46	26°♍17'15	20.75139 AU
morning rise	-6409 Nov 19 j 10:47	27°♍07'47	
	-6408 Jan 25 j 13:23	0°♎	
retrograde	-6408 Feb 21 j 01:50	0°♎17'17	
	-6408 Mar 19 j 01:30	30°℞♍	
min. Earth dist.	-6408 May 07 j 22:21	28°♍20'40	18.77986 AU
opposition	-6408 May 09 j 02:56	28°♍17'48	0°31'00
direct	-6408 Jul 24 j 07:55	26°♍20'28	
evening set	-6408 Oct 22 j 09:55	29°♍23'02	
	-6408 Nov 02 j 01:27	0°♎	
conjunction	-6408 Nov 07 j 00:22	0°♎17'24	0°26'21
minimum elong	-6408 Nov 07 j 00:22	0°♎17'24	0°26'24
max. Earth dist.	-6408 Nov 08 j 05:38	0°♎21'41	20.80709 AU
morning rise	-6408 Nov 22 j 17:36	1°♎12'08	
retrograde	-6407 Feb 24 j 12:38	4°♎21'12	
min. Earth dist.	-6407 May 12 j 09:29	2°♎24'42	18.83441 AU
opposition	-6407 May 13 j 14:47	2°♎21'46	0°27'11
direct	-6407 Jul 28 j 16:52	0°♎24'43	
evening set	-6407 Oct 26 j 14:59	3°♎26'22	
conjunction	-6407 Nov 11 j 06:06	4°♎20'37	0°22'52
minimum elong	-6407 Nov 11 j 06:07	4°♎20'37	0°22'51
max. Earth dist.	-6407 Nov 12 j 13:20	4°♎25'10	20.86022 AU
morning rise	-6407 Nov 26 j 23:54	5°♎15'15	
retrograde	-6406 Feb 28 j 21:27	8°♎23'54	
min. Earth dist.	-6406 May 16 j 19:35	6°♎27'33	18.88605 AU
opposition	-6406 May 18 j 01:45	6°♎24'32	0°23'15
direct	-6406 Aug 02 j 02:05	4°♎27'47	
evening set	-6406 Oct 30 j 19:50	7°♎28'35	
conjunction	-6406 Nov 15 j 11:23	8°♎22'42	0°19'16
minimum elong	-6406 Nov 15 j 11:23	8°♎22'42	0°19'16
max. Earth dist.	-6406 Nov 16 j 18:15	8°♎27'11	20.91037 AU
morning rise	-6406 Dec 01 j 06:10	9°♎17'17	
retrograde	-6405 Mar 05 j 06:55	12°♎25'35	
min. Earth dist.	-6405 May 21 j 06:01	10°♎29'19	18.93459 AU
opposition	-6405 May 22 j 12:21	10°♎26'17	0°19'13
direct	-6405 Aug 06 j 09:43	8°♎29'48	
evening set	-6405 Nov 04 j 00:13	11°♎29'48	
conjunction	-6405 Nov 19 j 16:35	12°♎23'51	0°15'36
minimum elong	-6405 Nov 19 j 16:35	12°♎23'51	0°15'33
behind sun begin	-6405 Nov 19 j 14:41	12°♎23'35	
behind sun end	-6405 Nov 19 j 18:30	12°♎24'07	
max. Earth dist.	-6405 Nov 21 j 01:04	12°♎28'33	20.95701 AU
morning rise	-6405 Dec 05 j 12:04	13°♎18'22	
retrograde	-6404 Mar 08 j 15:57	16°♎26'20	
opposition	-6404 May 25 j 22:14	14°♎27'07	0°15'07
min. Earth dist.	-6404 May 24 j 15:23	14°♎30'11	18.97916 AU
direct	-6404 Aug 09 j 17:46	12°♎30'53	
evening set	-6404 Nov 07 j 04:44	15°♎30'10	
conjunction	-6404 Nov 22 j 21:37	16°♎24'09	0°11'52
minimum elong	-6404 Nov 22 j 21:38	16°♎24'09	0°11'48
behind sun begin	-6404 Nov 22 j 16:59	16°♎23'30	
behind sun end	-6404 Nov 23 j 02:17	16°♎24'48	
max. Earth dist.	-6404 Nov 24 j 05:13	16°♎28'42	20.99944 AU
morning rise	-6404 Dec 08 j 18:09	17°♎18'37	
retrograde	-6403 Mar 12 j 23:59	20°♎26'17	
min. Earth dist.	-6403 May 29 j 01:12	18°♎30'09	19.01935 AU
opposition	-6403 May 30 j 07:30	18°♎27'08	0°10'56
direct	-6403 Aug 13 j 23:59	16°♎31'06	
evening set	-6403 Nov 11 j 08:57	19°♎29'46	

Attention, astronomical year style is used: The year -6403 in astronomical counting style is the year 6404 BCE in historical counting style.

conjunction	-6403 Nov 27 j 02:45	20°♎23'42	0°08'06
minimum elong	-6403 Nov 27 j 02:45	20°♎23'42	0°07'59
behind sun begin	-6403 Nov 26 j 20:52	20°♎22'53	
behind sun end	-6403 Nov 27 j 08:38	20°♎24'31	
max. Earth dist.	-6403 Nov 28 j 11:21	20°♎28'23	21.03708 AU
morning rise	-6403 Dec 12 j 24:00	21°♎18'08	
retrograde	-6402 Mar 17 j 08:48	24°♎25'32	
min. Earth dist.	-6402 Jun 02 j 09:50	22°♎29'27	19.05433 AU
opposition	-6402 Jun 03 j 16:16	22°♎26'25	0°06'43
direct	-6402 Aug 18 j 07:17	20°♎30'34	
evening set	-6402 Nov 15 j 13:07	23°♎28'39	
conjunction	-6402 Dec 01 j 07:31	24°♎22'33	0°04'18
minimum elong	-6402 Dec 01 j 07:31	24°♎22'33	0°04'09
behind sun begin	-6402 Dec 01 j 01:02	24°♎21'39	
behind sun end	-6402 Dec 01 j 14:00	24°♎23'27	
max. Earth dist.	-6402 Dec 02 j 14:45	24°♎27'02	21.06934 AU
morning rise	-6402 Dec 17 j 05:52	25°♎16'59	
retrograde	-6401 Mar 21 j 16:10	28°♎24'09	
min. Earth dist.	-6401 Jun 06 j 19:15	26°♎27'59	19.08383 AU
opposition	-6401 Jun 08 j 00:44	26°♎25'02	0°02'29
direct	-6401 Aug 22 j 12:31	24°♎29'18	
evening set	-6401 Nov 19 j 17:11	27°♎26'53	
conjunction	-6401 Dec 05 j 12:36	28°♎20'46	0°00'24
minimum elong	-6401 Dec 05 j 12:36	28°♎20'46	0°00'16
behind sun begin	-6401 Dec 05 j 06:04	28°♎19'51	
behind sun end	-6401 Dec 05 j 19:08	28°♎21'40	
max. Earth dist.	-6401 Dec 06 j 20:25	28°♎25'19	21.09588 AU
morning rise	-6401 Dec 21 j 11:45	29°♎15'11	
	-6400 Jan 04 j 06:40	0°♏	
desc. node	-6400 Jan 13 j 15:24	0°♏28'22	
retrograde	-6400 Mar 25 j 00:14	2°♏22'08	
min. Earth dist.	-6400 Jun 10 j 03:04	0°♏25'56	19.10735 AU
opposition	-6400 Jun 11 j 08:28	0°♏23'00	-0°01'44
	-6400 Jun 21 j 00:12	30°℞♎	
direct	-6400 Aug 25 j 19:10	28°♎27'19	
	-6400 Oct 26 j 15:03	0°♏	
evening set	-6400 Nov 22 j 21:21	1°♏24'28	
conjunction	-6400 Dec 08 j 17:29	2°♏18'20	-0°03'30
minimum elong	-6400 Dec 08 j 17:29	2°♏18'20	0°03'41
behind sun begin	-6400 Dec 08 j 10:58	2°♏17'26	
behind sun end	-6400 Dec 09 j 00:01	2°♏19'15	
max. Earth dist.	-6400 Dec 09 j 23:33	2°♏22'38	21.11650 AU
morning rise	-6400 Dec 24 j 17:50	3°♏12'47	
retrograde	-6399 Mar 29 j 07:28	6°♏19'32	
min. Earth dist.	-6399 Jun 14 j 11:49	4°♏23'08	19.12509 AU
opposition	-6399 Jun 15 j 15:54	4°♏20'20	-0°05'57
direct	-6399 Aug 29 j 23:42	2°♏24'40	
evening set	-6399 Nov 27 j 01:14	5°♏21'25	
conjunction	-6399 Dec 12 j 22:25	6°♏15'20	-0°07'16
minimum elong	-6399 Dec 12 j 22:26	6°♏15'20	0°07'28
behind sun begin	-6399 Dec 12 j 16:24	6°♏14'30	
behind sun end	-6399 Dec 13 j 04:27	6°♏16'10	
max. Earth dist.	-6399 Dec 14 j 04:58	6°♏19'41	21.13139 AU
morning rise	-6399 Dec 28 j 23:34	7°♏09'48	