Attention, astronomical year style is used: The year -1900 in astronomical counting style is the year 1901 BCE in historical counting style.

retrograde	-1900 Mar 04 j 00:13	9°♏01'40	
opposition	-1900 May 13 j 22:04	5°♏43'59	2°00'25
min. Earth dist.	-1900 May 14 j 06:50	5°♏42'23	9.12138 AU
direct	-1900 Jul 23 j 22:42	2°♏25'37	
evening set	-1900 Nov 01 j 13:17	9°♏22'29	
conjunction	-1900 Nov 18 j 01:02	11°♏17'51	1°28'16
minimum elong	-1900 Nov 18 j 01:05	11°♏17'52	1°28'15
max. Earth dist.	-1900 Nov 17 j 15:17	11°♏14'59	11.09767 AU
morning rise	-1900 Dec 04 j 13:10	13°♏13'25	
	-1900 Dec 20 j 10:57	15°♏	
retrograde	-1899 Mar 15 j 22:47	20°♏14'40	
opposition	-1899 May 25 j 22:39	16°♏56'07	1°33'44
min. Earth dist.	-1899 May 26 j 07:05	16°♏54'34	9.06937 AU
	-1899 Jun 23 j 01:33	15°℞♏	
direct	-1899 Aug 04 j 15:11	13°♏37'58	
	-1899 Sep 14 j 20:46	15°♏	
evening set	-1899 Nov 12 j 17:58	20°♏35'57	
conjunction	-1899 Nov 29 j 07:03	22°♏32'29	1°04'38
minimum elong	-1899 Nov 29 j 07:05	22°♏32'30	1°04'36
max. Earth dist.	-1899 Nov 28 j 20:56	22°♏29'30	11.03440 AU
morning rise	-1899 Dec 15 j 21:23	24°♏29'30	
	-1898 Feb 10 j 18:14	0°♐	
retrograde	-1898 Mar 28 j 02:08	1°♐36'47	
	-1898 May 13 j 17:40	30°℞♏	
opposition	-1898 Jun 07 j 02:30	28°♏17'11	1°03'01
min. Earth dist.	-1898 Jun 07 j 11:17	28°♏15'33	8.99438 AU
direct	-1898 Aug 16 j 06:31	24°♏58'59	
	-1898 Nov 06 j 09:48	0°♐	
evening set	-1898 Nov 24 j 02:53	1°♐59'44	
conjunction	-1898 Dec 10 j 17:42	3°♐57'49	0°38'07
minimum elong	-1898 Dec 10 j 17:43	3°♐57'50	0°38'04
max. Earth dist.	-1898 Dec 10 j 06:51	3°♐54'36	10.94935 AU
morning rise	-1898 Dec 27 j 10:52	5°♐56'40	
retrograde	-1897 Apr 09 j 10:36	13°♐11'31	
opposition	-1897 Jun 19 j 10:55	9°♐50'40	0°29'11
min. Earth dist.	-1897 Jun 19 j 19:56	9°♐48'59	8.89908 AU
direct	-1897 Aug 28 j 03:01	6°♐32'10	
evening set	-1897 Dec 05 j 17:39	13°♐37'16	
conjunction	-1897 Dec 22 j 10:43	15°♐37'18	0°09'35
minimum elong	-1897 Dec 22 j 10:43	15°♐37'18	0°09'32
behind sun begin	-1897 Dec 22 j 04:52	15°♐35'33	
behind sun end	-1897 Dec 22 j 16:34	15°♐39'03	
max. Earth dist.	-1897 Dec 22 j 00:26	15°♐34'13	10.84551 AU
morning rise	-1896 Jan 08 j 06:59	17°♐38'19	
retrograde	-1896 Apr 21 j 04:11	25°♐02'08	
desc. node	-1896 Apr 22 j 12:26	25°♐02'02	
opposition	-1896 Jul 01 j 00:43	21°♐39'53	0°-6'-41
min. Earth dist.	-1896 Jul 01 j 08:59	21°♐38'19	8.78703 AU
direct	-1896 Sep 08 j 04:04	18°♐20'51	
evening set	-1896 Dec 16 j 16:20	25°♐31'49	
conjunction	-1895 Jan 02 j 12:07	27°♐34'07	0°-20'-4
minimum elong	-1895 Jan 02 j 12:06	27°♐34'06	0°20'07
max. Earth dist.	-1895 Jan 02 j 03:39	27°♐31'32	10.72678 AU
morning rise	-1895 Jan 19 j 11:36	29°♐37'37	
	-1895 Jan 22 j 14:55	0°♑	
retrograde	-1895 May 04 j 06:24	7°♑11'29	
opposition	-1895 Jul 13 j 20:30	3°♑47'43	0°-43'-16
min. Earth dist.	-1895 Jul 14 j 03:01	3°♑46'29	8.66261 AU
direct	-1895 Sep 20 j 09:41	0°♑27'56	
evening set	-1895 Dec 29 j 00:28	7°♑46'16	

conjunction	-1894 Jan 14 j 23:09	9°♑51'04	0°-49'-28
minimum elong	-1894 Jan 14 j 23:07	9°♑51'04	0°49'31
max. Earth dist.	-1894 Jan 14 j 16:07	9°♑48'54	10.59786 AU
morning rise	-1894 Feb 01 j 02:04	11°♑57'16	
retrograde	-1894 May 17 j 18:04	19°♑41'59	
opposition	-1894 Jul 26 j 23:05	16°♑16'40	-1°-18'-57
min. Earth dist.	-1894 Jul 27 j 03:57	16°♑15'44	8.53080 AU
direct	-1894 Oct 02 j 22:14	12°♑55'54	
evening set	-1893 Jan 10 j 19:24	20°♑22'51	
conjunction	-1893 Jan 27 j 21:05	22°♑30'20	-1°-17'-16
minimum elong	-1893 Jan 27 j 21:02	22°♑30'19	1°17'19
max. Earth dist.	-1893 Jan 27 j 15:00	22°♑28'26	10.46408 AU
morning rise	-1893 Feb 14 j 03:35	24°♑39'22	
	-1893 Apr 04 j 18:56	0°♒	
retrograde	-1893 May 31 j 14:54	2°♒35'15	
	-1893 Jul 29 j 07:16	30°℞♑	
opposition	-1893 Aug 09 j 08:46	29°♑08'26	-1°-51'-53
min. Earth dist.	-1893 Aug 09 j 12:23	29°♑07'43	8.39715 AU
direct	-1893 Oct 15 j 17:37	25°♑46'28	
	-1893 Dec 26 j 02:47	0°♒	
evening set	-1892 Jan 24 j 02:02	3°♒23'02	
conjunction	-1892 Feb 10 j 07:02	5°♒33'20	-1°-41'-54
minimum elong	-1892 Feb 10 j 06:59	5°♒33'19	1°41'56
max. Earth dist.	-1892 Feb 10 j 02:12	5°♒31'48	10.33124 AU
morning rise	-1892 Feb 27 j 17:14	7°♒45'16	
	-1892 May 12 j 20:45	15°♒	
retrograde	-1892 Jun 13 j 19:46	15°♒52'05	
	-1892 Jul 15 j 23:04	15°℞♒	
opposition	-1892 Aug 22 j 01:33	12°♒23'53	-2°-20'00
min. Earth dist.	-1892 Aug 22 j 04:07	12°♒23'22	8.26765 AU
direct	-1892 Oct 27 j 22:18	9°♒00'35	
	-1891 Jan 22 j 07:07	15°♒	
evening set	-1891 Feb 05 j 20:48	16°♒47'25	
conjunction	-1891 Feb 23 j 05:33	19°♒00'35	-2°-1'-42
minimum elong	-1891 Feb 23 j 05:31	19°♒00'34	2°01'44
max. Earth dist.	-1891 Feb 23 j 03:04	18°♒59'47	10.20576 AU
morning rise	-1891 Mar 12 j 19:26	21°♒15'23	
retrograde	-1891 Jun 28 j 07:50	29°♒32'09	
opposition	-1891 Sep 05 j 01:02	26°♒02'47	-2°-41'-10
min. Earth dist.	-1891 Sep 05 j 01:45	26°♒02'38	8.14932 AU
direct	-1891 Nov 10 j 12:54	22°♒38'08	
	-1890 Feb 15 j 12:34	0°♓	
evening set	-1890 Feb 20 j 03:40	0°♓35'09	
conjunction	-1890 Mar 09 j 16:26	2°♓51'06	-2°-15'-3
minimum elong	-1890 Mar 09 j 16:24	2°♓51'05	2°15'05
max. Earth dist.	-1890 Mar 09 j 17:01	2°♓51'17	10.09542 AU
morning rise	-1890 Mar 27 j 09:51	5°♓08'33	
retrograde	-1890 Jul 13 j 02:04	13°♓33'18	
opposition	-1890 Sep 19 j 06:13	10°♓03'02	-2°-53'-26
min. Earth dist.	-1890 Sep 19 j 04:29	10°♓03'24	8.05012 AU
direct	-1890 Nov 24 j 10:55	6°♓37'03	
evening set	-1889 Mar 06 j 21:22	14°♓43'19	
conjunction	-1889 Mar 24 j 14:16	17°♓01'46	-2°-20'-38
minimum elong	-1889 Mar 24 j 14:17	17°♓01'46	2°20'39
max. Earth dist.	-1889 Mar 24 j 18:17	17°♓03'05	10.00817 AU
morning rise	-1889 Apr 11 j 11:08	19°♓21'32	
retrograde	-1889 Jul 28 j 01:00	27°♓51'21	
opposition	-1889 Oct 03 j 15:50	24°♓20'32	-2°-55'-20
min. Earth dist.	-1889 Oct 03 j 11:28	24°♓21'26	7.97720 AU
direct	-1889 Dec 08 j 16:27	20°♓53'16	

Attention, astronomical year style is used: The year -1888 in astronomical counting style is the year 1889 BCE in historical counting style.

evening set	-1888 Mar 20 j 23:47	29°♓07'02	
	-1888 Mar 27 j 18:37	0°♈	
conjunction	-1888 Apr 07 j 20:46	1°♈27'32	-2°-17'-36
minimum elong	-1888 Apr 07 j 20:48	1°♈27'32	2°17'37
max. Earth dist.	-1888 Apr 08 j 03:52	1°♈29'52	9.95035 AU
morning rise	-1888 Apr 25 j 20:48	3°♈49'03	
retrograde	-1888 Aug 11 j 00:50	12°♈20'23	
opposition	-1888 Oct 17 j 03:55	8°♈49'27	-2°-46'-9
min. Earth dist.	-1888 Oct 16 j 21:27	8°♈50'48	7.93570 AU
direct	-1888 Dec 22 j 04:46	5°♈21'03	
evening set	-1887 Apr 05 j 08:17	13°♈39'57	
conjunction	-1887 Apr 23 j 08:52	16°♈01'49	-2°-5'-50
minimum elong	-1887 Apr 23 j 08:56	16°♈01'50	2°05'50
max. Earth dist.	-1887 Apr 23 j 18:11	16°♈04'54	9.92604 AU
morning rise	-1887 May 11 j 11:25	18°♈24'20	
retrograde	-1887 Aug 25 j 22:23	26°♈53'24	
opposition	-1887 Oct 31 j 16:14	23°♈22'49	-2°-26'-15
min. Earth dist.	-1887 Oct 31 j 08:33	23°♈24'25	7.92854 AU
direct	-1886 Jan 05 j 22:01	19°♈53'32	
evening set	-1886 Apr 20 j 19:13	28°♈14'45	
	-1886 May 04 j 05:40	0°♉	
conjunction	-1886 May 08 j 22:32	0°♉37'09	-1°-46'-2
minimum elong	-1886 May 08 j 22:36	0°♉37'11	1°46'01
max. Earth dist.	-1886 May 09 j 09:21	0°♉40'43	9.93690 AU
morning rise	-1886 May 27 j 02:34	2°♉59'47	
retrograde	-1886 Sep 09 j 14:37	11°♉23'08	
opposition	-1886 Nov 15 j 02:51	7°♉53'18	-1°-57'-3
min. Earth dist.	-1886 Nov 14 j 18:27	7°♉55'04	7.95617 AU
direct	-1885 Jan 20 j 17:30	4°♉23'26	
evening set	-1885 May 06 j 04:53	12°♉44'00	
	-1885 May 23 j 15:16	15°♉	
conjunction	-1885 May 24 j 09:41	15°♉06'02	-1°-19'-39
minimum elong	-1885 May 24 j 09:45	15°♉06'03	1°19'38
max. Earth dist.	-1885 May 24 j 21:15	15°♉09'49	9.98191 AU
morning rise	-1885 Jun 11 j 13:54	17°♉27'48	
retrograde	-1885 Sep 23 j 23:11	25°♉42'40	
opposition	-1885 Nov 29 j 09:38	22°♉13'58	-1°-20'-50
min. Earth dist.	-1885 Nov 29 j 00:59	22°♉15'45	8.01644 AU
direct	-1884 Feb 04 j 12:10	18°♉43'49	
evening set	-1884 May 20 j 10:21	27°♉01'06	
conjunction	-1884 Jun 07 j 15:04	29°♉21'48	0°-48'-42
minimum elong	-1884 Jun 07 j 15:06	29°♉21'49	0°48'41
max. Earth dist.	-1884 Jun 08 j 02:30	29°♉25'31	10.05760 AU
	-1884 Jun 12 j 12:54	0°♊	
morning rise	-1884 Jun 25 j 17:51	1°♊41'48	
retrograde	-1884 Oct 06 j 23:48	9°♊46'16	
opposition	-1884 Dec 12 j 10:55	6°♊18'57	0°-40'-22
min. Earth dist.	-1884 Dec 12 j 02:10	6°♊20'45	8.10499 AU
direct	-1883 Feb 18 j 03:47	2°♊48'55	
evening set	-1883 Jun 04 j 08:36	11°♊00'42	
conjunction	-1883 Jun 22 j 11:33	13°♊19'13	0°-15'-26
minimum elong	-1883 Jun 22 j 11:33	13°♊19'13	0°15'25
behind sun begin	-1883 Jun 22 j 09:58	13°♊18'43	
behind sun end	-1883 Jun 22 j 13:09	13°♊19'44	
max. Earth dist.	-1883 Jun 22 j 22:30	13°♊22'43	10.15861 AU
morning rise	-1883 Jul 10 j 11:20	15°♊36'41	
retrograde	-1883 Oct 20 j 15:24	23°♊29'50	
asc. node	-1883 Dec 13 j 11:07	21°♊05'34	
opposition	-1883 Dec 26 j 05:56	20°♊04'05	0°01'24
min. Earth dist.	-1883 Dec 25 j 21:05	20°♊05'53	8.21593 AU
direct	-1882 Mar 04 j 14:12	16°♊34'31	
evening set	-1882 Jun 18 j 21:13	24°♊39'06	
conjunction	-1882 Jul 06 j 20:55	26°♊54'47	0°18'00
minimum elong	-1882 Jul 06 j 20:54	26°♊54'47	0°18'02
max. Earth dist.	-1882 Jul 07 j 07:21	26°♊58'05	10.27842 AU
morning rise	-1882 Jul 24 j 16:24	29°♊09'09	
	-1882 Jul 31 j 14:22	0°♋	
retrograde	-1882 Nov 02 j 21:16	6°♋50'57	
opposition	-1881 Jan 08 j 17:56	3°♋26'51	0°41'55
min. Earth dist.	-1881 Jan 08 j 09:45	3°♋28'29	8.34246 AU
	-1881 Mar 12 j 14:30	30°℞♊	
direct	-1881 Mar 18 j 17:59	29°♊58'02	
	-1881 Mar 24 j 20:37	0°♋	
evening set	-1881 Jul 02 j 23:17	7°♋54'24	
conjunction	-1881 Jul 20 j 18:33	10°♋06'53	0°49'36
minimum elong	-1881 Jul 20 j 18:31	10°♋06'52	0°49'37
max. Earth dist.	-1881 Jul 21 j 03:43	10°♋09'44	10.40997 AU
morning rise	-1881 Aug 07 j 08:51	12°♋17'50	
retrograde	-1881 Nov 15 j 19:01	19°♋48'47	
opposition	-1880 Jan 21 j 22:45	16°♋26'22	1°18'59
min. Earth dist.	-1880 Jan 21 j 16:11	16°♋27'40	8.47742 AU
direct	-1880 Mar 31 j 12:50	12°♋58'33	
evening set	-1880 Jul 15 j 14:05	20°♋46'14	
conjunction	-1880 Aug 02 j 04:05	22°♋55'20	1°17'52
minimum elong	-1880 Aug 02 j 04:02	22°♋55'19	1°17'53
max. Earth dist.	-1880 Aug 02 j 11:06	22°♋57'29	10.54617 AU
morning rise	-1880 Aug 19 j 12:50	25°♋02'50	
	-1880 Oct 05 j 04:32	0°♌	
retrograde	-1880 Nov 27 j 07:59	2°♌23'55	
	-1879 Jan 21 j 13:15	30°℞♋	
opposition	-1879 Feb 02 j 20:56	29°♋03'06	1°51'02
min. Earth dist.	-1879 Feb 02 j 16:34	29°♋03'57	8.61387 AU
direct	-1879 Apr 13 j 23:56	25°♋36'31	
	-1879 Jun 29 j 15:55	0°♌	
evening set	-1879 Jul 28 j 17:24	3°♌15'26	
conjunction	-1879 Aug 15 j 01:47	5°♌21'11	1°41'42
minimum elong	-1879 Aug 15 j 01:44	5°♌21'10	1°41'43
max. Earth dist.	-1879 Aug 15 j 05:49	5°♌22'25	10.68035 AU
morning rise	-1879 Sep 01 j 05:07	7°♌25'25	
retrograde	-1879 Dec 09 j 12:09	14°♌37'57	
opposition	-1878 Feb 15 j 12:50	11°♌18'35	2°16'58
min. Earth dist.	-1878 Feb 15 j 10:08	11°♌19'06	8.74531 AU
direct	-1878 Apr 27 j 04:11	7°♌53'20	
	-1878 Aug 07 j 00:40	15°♌	
evening set	-1878 Aug 10 j 09:54	15°♌23'46	
conjunction	-1878 Aug 27 j 12:58	17°♌26'28	2°00'21
minimum elong	-1878 Aug 27 j 12:55	17°♌26'27	2°00'23
max. Earth dist.	-1878 Aug 27 j 14:31	17°♌26'56	10.80653 AU
morning rise	-1878 Sep 13 j 11:16	19°♌27'44	
retrograde	-1878 Dec 21 j 11:57	26°♌33'08	
opposition	-1877 Feb 27 j 22:59	23°♌14'59	2°36'12
min. Earth dist.	-1877 Feb 27 j 21:38	23°♌15'14	8.86595 AU
direct	-1877 May 10 j 00:38	19°♌51'07	
evening set	-1877 Aug 22 j 16:29	27°♌13'37	
conjunction	-1877 Sep 08 j 14:51	29°♌13'40	2°13'27
minimum elong	-1877 Sep 08 j 14:49	29°♌13'39	2°13'29
max. Earth dist.	-1877 Sep 08 j 14:45	29°♌13'38	10.91936 AU
	-1877 Sep 15 j 02:41	0°♍	
morning rise	-1877 Sep 25 j 08:39	1°♍12'23	
retrograde	-1876 Jan 02 j 07:07	8°♍12'09	
opposition	-1876 Mar 11 j 04:40	4°♍54'57	2°48'28
min. Earth dist.	-1876 Mar 11 j 04:56	4°♍54'54	8.97081 AU

Attention, astronomical year style is used: The year -1876 in astronomical counting style is the year 1877 BCE in historical counting style.

direct	-1876 May 21 j 12:20	1°♍32'28	
evening set	-1876 Sep 02 j 14:24	8°♍47'48	
conjunction	-1876 Sep 19 j 08:41	10°♍45'39	2°20'49
minimum elong	-1876 Sep 19 j 08:40	10°♍45'38	2°20'50
max. Earth dist.	-1876 Sep 19 j 06:58	10°♍45'08	11.01440 AU
morning rise	-1876 Oct 05 j 22:50	12°♍42'21	
retrograde	-1875 Jan 12 j 22:32	19°♍38'01	
opposition	-1875 Mar 23 j 06:47	16°♍21'31	2°53'47
min. Earth dist.	-1875 Mar 23 j 09:31	16°♍21'01	9.05599 AU
direct	-1875 Jun 02 j 18:29	13°♍00'17	
evening set	-1875 Sep 14 j 05:08	20°♍09'25	
conjunction	-1875 Sep 30 j 20:04	22°♍05'34	2°22'31
minimum elong	-1875 Sep 30 j 20:04	22°♍05'34	2°22'31
max. Earth dist.	-1875 Sep 30 j 15:34	22°♍04'15	11.08831 AU
morning rise	-1875 Oct 17 j 07:47	24°♍00'49	
	-1875 Dec 22 j 10:15	0°♎	
retrograde	-1874 Jan 24 j 11:15	0°♎53'54	
	-1874 Feb 27 j 05:39	30°℞♍	
opposition	-1874 Apr 04 j 06:08	27°♍37'47	2°52'18
min. Earth dist.	-1874 Apr 04 j 11:04	27°♍36'52	9.11846 AU
direct	-1874 Jun 14 j 19:05	24°♍17'38	
	-1874 Sep 13 j 09:56	0°♎	
evening set	-1874 Sep 25 j 14:01	1°♎21'40	
conjunction	-1874 Oct 12 j 02:39	3°♎16'41	2°18'44
minimum elong	-1874 Oct 12 j 02:40	3°♎16'42	2°18'43
max. Earth dist.	-1874 Oct 11 j 19:48	3°♎14'41	11.13840 AU
morning rise	-1874 Oct 28 j 12:57	5°♎11'03	
retrograde	-1873 Feb 04 j 23:03	12°♎03'08	
opposition	-1873 Apr 16 j 03:45	8°♎47'03	2°44'21
min. Earth dist.	-1873 Apr 16 j 09:57	8°♎45'55	9.15567 AU
direct	-1873 Jun 26 j 16:59	5°♎27'48	
evening set	-1873 Oct 06 j 18:50	12°♎28'00	
conjunction	-1873 Oct 23 j 06:13	14°♎22'26	2°09'44
minimum elong	-1873 Oct 23 j 06:15	14°♎22'27	2°09'42
max. Earth dist.	-1873 Oct 22 j 22:23	14°♎20'09	11.16240 AU
morning rise	-1873 Nov 08 j 15:52	16°♎16'27	
retrograde	-1872 Feb 16 j 13:46	23°♎09'09	
opposition	-1872 Apr 27 j 00:49	19°♎52'48	2°30'21
min. Earth dist.	-1872 Apr 27 j 08:02	19°♎51'29	9.16576 AU
direct	-1872 Jul 07 j 11:09	16°♎34'16	
evening set	-1872 Oct 16 j 21:26	23°♎31'58	
conjunction	-1872 Nov 02 j 08:24	25°♎26'24	1°55'53
minimum elong	-1872 Nov 02 j 08:26	25°♎26'25	1°55'53
max. Earth dist.	-1872 Nov 01 j 23:07	25°♎23'42	11.15893 AU
morning rise	-1872 Nov 18 j 18:23	27°♎20'39	
	-1872 Dec 13 j 05:48	0°♏	
retrograde	-1871 Feb 27 j 04:58	4°♏15'37	
opposition	-1871 May 08 j 22:42	0°♏58'44	2°10'46
min. Earth dist.	-1871 May 09 j 07:34	0°♏57'07	9.14805 AU
	-1871 May 22 j 13:02	30°℞♎	
direct	-1871 Jul 19 j 01:22	27°♎40'40	
	-1871 Sep 11 j 23:32	0°♏	
evening set	-1871 Oct 27 j 23:37	4°♏37'26	
conjunction	-1871 Nov 13 j 10:51	6°♏32'22	1°37'39
minimum elong	-1871 Nov 13 j 10:53	6°♏32'22	1°37'39
max. Earth dist.	-1871 Nov 12 j 23:31	6°♏29'03	11.12802 AU
morning rise	-1871 Nov 29 j 22:14	8°♏27'23	
	-1870 Feb 15 j 16:47	15°♏	
retrograde	-1870 Mar 11 j 00:15	15°♏26'18	
	-1870 Apr 03 j 14:49	15°℞♏	
opposition	-1870 May 20 j 22:24	12°♏08'36	1°46'08
min. Earth dist.	-1870 May 21 j 08:46	12°♏06'42	9.10336 AU
direct	-1870 Jul 30 j 17:54	8°♏50'42	
	-1870 Nov 01 j 02:26	15°♏	
evening set	-1870 Nov 08 j 03:19	15°♏48'04	
conjunction	-1870 Nov 24 j 15:36	17°♏44'00	1°15'34
minimum elong	-1870 Nov 24 j 15:38	17°♏44'01	1°15'32
max. Earth dist.	-1870 Nov 24 j 03:23	17°♏40'24	11.07112 AU
morning rise	-1870 Dec 11 j 04:59	19°♏40'18	
retrograde	-1869 Mar 22 j 23:59	26°♏44'43	
opposition	-1869 Jun 02 j 00:50	23°♏25'54	1°17'10
min. Earth dist.	-1869 Jun 02 j 11:21	23°♏23'58	9.03375 AU
direct	-1869 Aug 11 j 10:36	20°♏07'55	
evening set	-1869 Nov 19 j 10:17	27°♏07'26	
conjunction	-1869 Dec 06 j 00:19	29°♏04'48	0°50'16
minimum elong	-1869 Dec 06 j 00:21	29°♏04'48	0°50'13
max. Earth dist.	-1869 Dec 05 j 12:47	29°♏01'23	10.99058 AU
	-1869 Dec 13 j 18:15	0°♐	
morning rise	-1869 Dec 22 j 16:06	1°♐02'47	
retrograde	-1868 Apr 03 j 07:07	8°♐14'15	
opposition	-1868 Jun 13 j 07:24	4°♐54'04	0°44'37
min. Earth dist.	-1868 Jun 13 j 17:05	4°♐52'16	8.94205 AU
direct	-1868 Aug 22 j 06:22	1°♐35'44	
evening set	-1868 Nov 29 j 22:20	8°♐38'55	
conjunction	-1868 Dec 16 j 14:29	10°♐38'08	0°22'31
minimum elong	-1868 Dec 16 j 14:30	10°♐38'08	0°22'28
max. Earth dist.	-1868 Dec 16 j 03:27	10°♐34'50	10.88951 AU
morning rise	-1867 Jan 02 j 09:12	12°♐38'11	
retrograde	-1867 Apr 15 j 22:03	19°♐58'06	
opposition	-1867 Jun 25 j 18:54	16°♐36'23	0°09'31
min. Earth dist.	-1867 Jun 26 j 03:52	16°♐34'42	8.83180 AU
direct	-1867 Sep 03 j 04:01	13°♐17'26	
desc. node	-1867 Oct 03 j 05:43	14°♐03'27	
evening set	-1867 Dec 11 j 17:33	20°♐25'55	
conjunction	-1867 Dec 28 j 12:04	22°♐27'16	0°-6'-48
minimum elong	-1867 Dec 28 j 12:03	22°♐27'16	0°06'52
behind sun begin	-1867 Dec 28 j 05:30	22°♐25'18	
behind sun end	-1867 Dec 28 j 18:36	22°♐29'14	
max. Earth dist.	-1867 Dec 28 j 00:55	22°♐23'54	10.77181 AU
morning rise	-1866 Jan 14 j 10:07	24°♐29'45	
	-1866 Mar 09 j 15:44	0°♑	
retrograde	-1866 Apr 28 j 19:16	1°♑59'20	
	-1866 Jun 19 j 11:32	30°℞♐	
opposition	-1866 Jul 08 j 12:02	28°♐35'58	0°-26'-55
min. Earth dist.	-1866 Jul 08 j 20:40	28°♐34'20	8.70735 AU
direct	-1866 Sep 15 j 06:55	25°♐16'09	
	-1866 Dec 01 j 22:48	0°♑	
evening set	-1866 Dec 23 j 21:21	2°♑31'32	
conjunction	-1865 Jan 09 j 18:36	4°♑35'19	0°-36'-25
minimum elong	-1865 Jan 09 j 18:35	4°♑35'19	0°36'28
max. Earth dist.	-1865 Jan 09 j 08:41	4°♑32'16	10.64213 AU
morning rise	-1865 Jan 26 j 20:08	6°♑40'27	
retrograde	-1865 May 12 j 01:33	14°♑20'45	
opposition	-1865 Jul 21 j 11:49	10°♑55'41	-1°-3'-15
min. Earth dist.	-1865 Jul 21 j 19:11	10°♑54'16	8.57382 AU
direct	-1865 Sep 27 j 17:54	7°♑34'49	
evening set	-1864 Jan 05 j 11:09	14°♑58'25	
conjunction	-1864 Jan 22 j 11:31	17°♑04'53	-1°-5'-9
minimum elong	-1864 Jan 22 j 11:29	17°♑04'53	1°05'11
max. Earth dist.	-1864 Jan 22 j 04:03	17°♑02'33	10.50593 AU
morning rise	-1864 Feb 08 j 16:32	19°♑12'51	
retrograde	-1864 May 24 j 18:32	27°♑04'28	

Attention, astronomical year style is used: The year -1864 in astronomical counting style is the year 1865 BCE in historical counting style.

opposition	-1864 Aug 02 j 18:35	23°♑37'44	-1°-37'-42
min. Earth dist.	-1864 Aug 02 j 23:46	23°♑36'43	8.43703 AU
direct	-1864 Oct 09 j 10:34	20°♑15'42	
evening set	-1863 Jan 17 j 12:36	27°♑48'39	
conjunction	-1863 Feb 03 j 16:20	29°♑57'57	-1°-31'-25
minimum elong	-1863 Feb 03 j 16:17	29°♑57'56	1°31'27
max. Earth dist.	-1863 Feb 03 j 11:35	29°♑56'27	10.36941 AU
	-1863 Feb 03 j 22:50	0°♒	
morning rise	-1863 Feb 21 j 00:52	2°♒08'50	
retrograde	-1863 Jun 07 j 20:09	10°♒11'43	
opposition	-1863 Aug 16 j 08:21	6°♒43'27	-2°-8'-17
min. Earth dist.	-1863 Aug 16 j 10:57	6°♒42'56	8.30348 AU
direct	-1863 Oct 22 j 11:21	3°♒20'08	
evening set	-1862 Jan 31 j 02:15	11°♒03'12	
conjunction	-1862 Feb 17 j 09:29	13°♒15'21	-1°-53'-37
minimum elong	-1862 Feb 17 j 09:26	13°♒15'20	1°53'38
max. Earth dist.	-1862 Feb 17 j 07:00	13°♒14'33	10.23945 AU
	-1862 Mar 03 j 01:13	15°♒	
morning rise	-1862 Mar 06 j 21:39	15°♒29'08	
retrograde	-1862 Jun 22 j 06:06	23°♒42'31	
opposition	-1862 Aug 30 j 05:14	20°♒12'57	-2°-32'-51
min. Earth dist.	-1862 Aug 30 j 05:31	20°♒12'53	8.18014 AU
direct	-1862 Nov 04 j 20:57	16°♒48'19	
evening set	-1861 Feb 14 j 03:59	24°♒41'35	
conjunction	-1861 Mar 03 j 14:55	26°♒56'33	-2°-10'-2
minimum elong	-1861 Mar 03 j 14:53	26°♒56'32	2°10'04
max. Earth dist.	-1861 Mar 03 j 14:51	26°♒56'31	10.12333 AU
morning rise	-1861 Mar 21 j 06:47	29°♒13'05	
	-1861 Mar 27 j 11:48	0°♓	
retrograde	-1861 Jul 06 j 22:57	7°♓35'21	
opposition	-1861 Sep 13 j 08:28	4°♓04'48	-2°-49'-19
min. Earth dist.	-1861 Sep 13 j 06:47	4°♓05'08	8.07420 AU
direct	-1861 Nov 18 j 15:00	0°♓38'50	
evening set	-1860 Feb 28 j 17:15	8°♓41'45	
conjunction	-1860 Mar 17 j 08:12	10°♓59'18	-2°-19'-13
minimum elong	-1860 Mar 17 j 08:11	10°♓59'18	2°19'14
max. Earth dist.	-1860 Mar 17 j 10:51	11°♓00'11	10.02820 AU
morning rise	-1860 Apr 04 j 03:43	13°♓18'19	
retrograde	-1860 Jul 20 j 20:42	21°♓46'52	
opposition	-1860 Sep 26 j 16:37	18°♓15'44	-2°-55'-56
min. Earth dist.	-1860 Sep 26 j 13:04	18°♓16'28	7.99239 AU
direct	-1860 Dec 01 j 17:58	14°♓48'32	
evening set	-1859 Mar 14 j 16:21	22°♓59'45	
conjunction	-1859 Apr 01 j 11:27	25°♓19'32	-2°-20'-2
minimum elong	-1859 Apr 01 j 11:28	25°♓19'33	2°20'04
max. Earth dist.	-1859 Apr 01 j 17:01	25°♓21'22	9.96039 AU
morning rise	-1859 Apr 19 j 10:21	27°♓40'31	
	-1859 May 08 j 00:14	0°♈	
retrograde	-1859 Aug 04 j 20:00	6°♈12'06	
opposition	-1859 Oct 11 j 04:10	2°♈40'50	-2°-51'-37
min. Earth dist.	-1859 Oct 10 j 22:41	2°♈41'58	7.94023 AU
	-1859 Nov 17 j 02:11	30°℞♓	
direct	-1859 Dec 16 j 04:52	29°♓12'36	
	-1858 Jan 14 j 02:25	0°♈	
evening set	-1858 Mar 29 j 22:40	7°♈29'58	
conjunction	-1858 Apr 16 j 21:40	9°♈51'24	-2°-12'-4
minimum elong	-1858 Apr 16 j 21:43	9°♈51'25	2°12'05
max. Earth dist.	-1858 Apr 17 j 06:22	9°♈54'17	9.92469 AU
morning rise	-1858 May 04 j 23:21	12°♈13'42	
retrograde	-1858 Aug 19 j 18:15	20°♈44'38	
opposition	-1858 Oct 25 j 16:59	17°♈13'41	-2°-36'-16
min. Earth dist.	-1858 Oct 25 j 09:20	17°♈15'17	7.92156 AU
direct	-1858 Dec 30 j 20:54	13°♈44'41	
evening set	-1857 Apr 14 j 09:09	22°♈05'32	
conjunction	-1857 May 02 j 11:27	24°♈27'53	-1°-55'-37
minimum elong	-1857 May 02 j 11:31	24°♈27'54	1°55'38
max. Earth dist.	-1857 May 02 j 22:54	24°♈31'40	9.92395 AU
morning rise	-1857 May 20 j 15:03	26°♈50'39	
	-1857 Jun 15 j 05:31	0°♉	
retrograde	-1857 Sep 03 j 13:10	5°♉17'18	
opposition	-1857 Nov 09 j 04:52	1°♉47'06	-2°-10'-51
min. Earth dist.	-1857 Nov 08 j 19:27	1°♉49'04	7.93797 AU
	-1857 Dec 01 j 16:17	30°℞♈	
direct	-1856 Jan 14 j 15:26	28°♈17'36	
	-1856 Feb 27 j 01:00	0°♉	
evening set	-1856 Apr 28 j 20:18	6°♉39'00	
conjunction	-1856 May 17 j 00:47	9°♉01'23	-1°-31'-52
minimum elong	-1856 May 17 j 00:51	9°♉01'24	1°31'51
max. Earth dist.	-1856 May 17 j 14:02	9°♉05'44	9.95829 AU
morning rise	-1856 Jun 04 j 05:05	11°♉23'40	
	-1856 Jul 03 j 22:52	15°♉	
retrograde	-1856 Sep 17 j 02:39	19°♉42'52	
opposition	-1856 Nov 22 j 13:55	16°♉13'49	-1°-37'-19
min. Earth dist.	-1856 Nov 22 j 03:34	16°♉15'58	7.98835 AU
	-1856 Dec 07 j 17:10	15°℞♉	
direct	-1855 Jan 28 j 09:46	12°♉44'05	
	-1855 Mar 20 j 05:55	15°♉	
evening set	-1855 May 14 j 04:37	21°♉03'14	
conjunction	-1855 Jun 01 j 09:41	23°♉24'38	-1°-2'-36
minimum elong	-1855 Jun 01 j 09:45	23°♉24'39	1°02'35
max. Earth dist.	-1855 Jun 01 j 23:40	23°♉29'11	10.02511 AU
morning rise	-1855 Jun 19 j 13:08	25°♉45'30	
	-1855 Jul 25 j 12:51	0°♊	
retrograde	-1855 Oct 01 j 09:01	3°♊54'52	
opposition	-1855 Dec 06 j 18:14	0°♊27'16	0°-58'-18
min. Earth dist.	-1855 Dec 06 j 07:54	0°♊29'24	8.06913 AU
	-1855 Dec 12 j 06:44	30°℞♉	
direct	-1854 Feb 12 j 02:53	26°♉57'37	
	-1854 Apr 13 j 05:10	0°♊	
evening set	-1854 May 29 j 06:49	5°♊12'00	
conjunction	-1854 Jun 16 j 10:46	7°♊31'32	0°-30'-2
minimum elong	-1854 Jun 16 j 10:47	7°♊31'32	0°30'01
max. Earth dist.	-1854 Jun 17 j 00:13	7°♊35'51	10.11963 AU
morning rise	-1854 Jul 04 j 11:52	9°♊50'07	
retrograde	-1854 Oct 15 j 05:11	17°♊48'17	
opposition	-1854 Dec 20 j 16:30	14°♊22'17	0°-16'-43
min. Earth dist.	-1854 Dec 20 j 07:12	14°♊24'11	8.17463 AU
direct	-1853 Feb 26 j 16:18	10°♊53'00	
asc. node	-1853 May 21 j 12:45	16°♊19'24	
evening set	-1853 Jun 13 j 00:16	19°♊00'43	
conjunction	-1853 Jul 01 j 01:31	21°♊17'37	0°03'39
minimum elong	-1853 Jul 01 j 01:29	21°♊17'36	0°03'41
behind sun begin	-1853 Jun 30 j 18:15	21°♊15'20	
behind sun end	-1853 Jul 01 j 08:44	21°♊19'53	
max. Earth dist.	-1853 Jul 01 j 12:55	21°♊21'13	10.23500 AU
morning rise	-1853 Jul 18 j 22:57	23°♊33'17	
	-1853 Sep 20 j 04:37	0°♋	
retrograde	-1853 Oct 28 j 14:48	1°♋19'50	
	-1853 Dec 06 j 15:19	30°℞♊	
opposition	-1852 Jan 03 j 07:49	27°♊55'32	0°24'37
min. Earth dist.	-1852 Jan 02 j 23:56	27°♊57'07	8.29725 AU
direct	-1852 Mar 12 j 00:02	24°♊26'52	
	-1852 Jun 05 j 16:01	0°♋	

Attention, astronomical year style is used: The year -1852 in astronomical counting style is the year 1853 BCE in historical counting style.

evening set	-1852 Jun 26 j 07:30	2°♋26'43		
conjunction	-1852 Jul 14 j 04:38	4°♋40'30	0°36'11	
minimum elong	-1852 Jul 14 j 04:37	4°♋40'30	0°36'13	
max. Earth dist.	-1852 Jul 14 j 13:17	4°♋43'13	10.36303 AU	
morning rise	-1852 Jul 31 j 21:22	6°♋52'53		
retrograde	-1852 Nov 09 j 15:33	14°♋28'18		
opposition	-1851 Jan 15 j 15:54	11°♋05'41	1°03'24	
min. Earth dist.	-1851 Jan 15 j 09:28	11°♋06'57	8.42877 AU	
direct	-1851 Mar 25 j 23:33	7°♋37'55		
evening set	-1851 Jul 10 j 03:31	15°♋29'20		
conjunction	-1851 Jul 27 j 19:45	17°♋39'50	1°06'04	
minimum elong	-1851 Jul 27 j 19:42	17°♋39'49	1°06'06	
max. Earth dist.	-1851 Jul 28 j 02:00	17°♋41'46	10.49607 AU	
morning rise	-1851 Aug 14 j 07:05	19°♋48'47		
retrograde	-1851 Nov 22 j 08:34	27°♋14'05		
opposition	-1850 Jan 28 j 17:11	23°♋53'02	1°37'48	
min. Earth dist.	-1850 Jan 28 j 12:01	23°♋54'03	8.56233 AU	
direct	-1850 Apr 08 j 14:48	20°♋26'22		
evening set	-1850 Jul 23 j 12:01	28°♋09'11		
	-1850 Aug 07 j 17:25	0°♌		
conjunction	-1850 Aug 09 j 22:58	0°♌16'23	1°31'57	
minimum elong	-1850 Aug 09 j 22:55	0°♌16'22	1°31'58	
max. Earth dist.	-1850 Aug 10 j 03:27	0°♌17'46	10.62805 AU	
morning rise	-1850 Aug 27 j 04:41	2°♌22'01		
retrograde	-1850 Dec 04 j 17:34	9°♌38'23		
opposition	-1849 Feb 10 j 12:03	6°♌18'45	2°06'30	
min. Earth dist.	-1849 Feb 10 j 08:47	6°♌19'23	8.69221 AU	
direct	-1849 Apr 21 j 22:13	2°♌53'15		
evening set	-1849 Aug 05 j 09:45	10°♌27'37		
conjunction	-1849 Aug 22 j 15:18	12°♌31'41	1°52'56	
minimum elong	-1849 Aug 22 j 15:15	12°♌31'40	1°52'57	
max. Earth dist.	-1849 Aug 22 j 17:40	12°♌32'24	10.75354 AU	
morning rise	-1849 Sep 08 j 15:38	14°♌34'15		
	-1849 Sep 12 j 07:14	15°♌		
retrograde	-1849 Dec 16 j 20:50	21°♌42'58		
opposition	-1848 Feb 23 j 01:05	18°♌24'31	2°28'44	
min. Earth dist.	-1848 Feb 23 j 00:23	18°♌24'39	8.81315 AU	
direct	-1848 May 03 j 21:12	15°♌00'13		
evening set	-1848 Aug 16 j 21:11	22°♌26'32		
conjunction	-1848 Sep 02 j 21:33	24°♌27'47	2°08'29	
minimum elong	-1848 Sep 02 j 21:31	24°♌27'47	2°08'30	
max. Earth dist.	-1848 Sep 02 j 20:55	24°♌27'36	10.86761 AU	
morning rise	-1848 Sep 19 j 17:13	26°♌27'40		
	-1848 Oct 22 j 08:27	0°♍		
retrograde	-1848 Dec 27 j 16:29	3°♍30'09		
opposition	-1847 Mar 06 j 09:12	0°♍12'38	2°44'03	
min. Earth dist.	-1847 Mar 06 j 10:45	0°♍12'20	8.92036 AU	
	-1847 Mar 09 j 04:13	30°℞♌		
direct	-1847 May 16 j 12:59	26°♌49'29		
	-1847 Jul 20 j 15:35	0°♍		
evening set	-1847 Aug 28 j 23:04	4°♍08'23		
conjunction	-1847 Sep 14 j 18:58	6°♍07'15	2°18'20	
minimum elong	-1847 Sep 14 j 18:57	6°♍07'14	2°18'22	
max. Earth dist.	-1847 Sep 14 j 15:41	6°♍06'16	10.96592 AU	
morning rise	-1847 Oct 01 j 10:49	8°♍04'55		
retrograde	-1846 Jan 08 j 08:45	15°♍02'44		
opposition	-1846 Mar 18 j 13:04	11°♍45'47	2°52'23	
min. Earth dist.	-1846 Mar 18 j 15:55	11°♍45'16	9.00974 AU	
direct	-1846 May 29 j 00:11	8°♍23'45		
evening set	-1846 Sep 09 j 17:00	15°♍36'04		
conjunction	-1846 Sep 26 j 09:25	17°♍33'04	2°22'28	
minimum elong	-1846 Sep 26 j 09:24	17°♍33'04	2°22'29	
max. Earth dist.	-1846 Sep 26 j 04:48	17°♍31'42	11.04482 AU	
morning rise	-1846 Oct 12 j 22:14	19°♍29'03		
retrograde	-1845 Jan 20 j 00:11	26°♍23'39		
opposition	-1845 Mar 30 j 13:33	23°♍07'02	2°53'49	
min. Earth dist.	-1845 Mar 30 j 17:39	23°♍06'16	9.07800 AU	
direct	-1845 Jun 10 j 03:37	19°♍46'01		
evening set	-1845 Sep 21 j 04:30	26°♍52'47		
conjunction	-1845 Oct 07 j 18:17	28°♍48'26	2°21'01	
minimum elong	-1845 Oct 07 j 18:18	28°♍48'26	2°21'00	
max. Earth dist.	-1845 Oct 07 j 12:27	28°♍46'44	11.10153 AU	
	-1845 Oct 17 j 23:08	0°♎		
morning rise	-1845 Oct 24 j 05:03	0°♎43'18		
retrograde	-1844 Jan 31 j 12:18	7°♎36'15		
opposition	-1844 Apr 10 j 12:10	4°♎19'42	2°48'36	
min. Earth dist.	-1844 Apr 10 j 18:07	4°♎18'37	9.12292 AU	
direct	-1844 Jun 21 j 01:17	0°♎59'33		
evening set	-1844 Oct 01 j 11:08	8°♎01'57		
conjunction	-1844 Oct 17 j 23:04	9°♎56'48	2°14'12	
minimum elong	-1844 Oct 17 j 23:05	9°♎56'49	2°14'11	
max. Earth dist.	-1844 Oct 17 j 15:09	9°♎54'30	11.13430 AU	
morning rise	-1844 Nov 03 j 08:57	11°♎51'07		
retrograde	-1843 Feb 11 j 01:16	18°♎44'01		
opposition	-1843 Apr 22 j 09:50	15°♎27'16	2°37'07	
min. Earth dist.	-1843 Apr 22 j 17:36	15°♎25'51	9.14317 AU	
direct	-1843 Jul 02 j 21:11	12°♎07'51		
evening set	-1843 Oct 12 j 14:45	19°♎07'10		
conjunction	-1843 Oct 29 j 01:48	21°♎01'45	2°02'22	
minimum elong	-1843 Oct 29 j 01:50	21°♎01'46	2°02'21	
max. Earth dist.	-1843 Oct 28 j 16:14	20°♎58'58	11.14221 AU	
morning rise	-1843 Nov 14 j 11:48	22°♎56'04		
retrograde	-1842 Feb 22 j 14:45	29°♎50'29		
opposition	-1842 May 04 j 07:19	26°♎33'17	2°19'49	
min. Earth dist.	-1842 May 04 j 15:43	26°♎31'44	9.13808 AU	
direct	-1842 Jul 14 j 13:52	23°♎14'25		
	-1842 Oct 21 j 22:41	0°♏		
evening set	-1842 Oct 23 j 17:00	0°♏12'04		
conjunction	-1842 Nov 09 j 04:12	2°♏06'56	1°45'55	
minimum elong	-1842 Nov 09 j 04:15	2°♏06'57	1°45'54	
max. Earth dist.	-1842 Nov 08 j 18:29	2°♏04'05	11.12482 AU	
morning rise	-1842 Nov 25 j 15:01	4°♏01'45		
retrograde	-1841 Mar 06 j 09:45	10°♏59'18		
opposition	-1841 May 16 j 06:08	7°♏41'25	1°57'13	
min. Earth dist.	-1841 May 16 j 14:34	7°♏39'52	9.10765 AU	
direct	-1841 Jul 26 j 06:47	4°♏22'57		
evening set	-1841 Nov 03 j 19:52	11°♏20'22		
conjunction	-1841 Nov 20 j 07:50	13°♏15'59	1°25'22	
minimum elong	-1841 Nov 20 j 07:52	13°♏16'00	1°25'21	
max. Earth dist.	-1841 Nov 19 j 21:57	13°♏13'05	11.08253 AU	
	-1841 Dec 05 j 03:14	15°♏		
morning rise	-1841 Dec 06 j 20:12	15°♏11'49		
retrograde	-1840 Mar 17 j 08:07	22°♏14'03		
opposition	-1840 May 27 j 07:30	18°♏55'17	1°29'57	
min. Earth dist.	-1840 May 27 j 16:14	18°♏53'41	9.05288 AU	
direct	-1840 Aug 05 j 21:33	15°♏37'00		
evening set	-1840 Nov 14 j 01:21	22°♏35'44		
conjunction	-1840 Nov 30 j 14:34	24°♏32'32	1°01'19	
minimum elong	-1840 Nov 30 j 14:36	24°♏32'33	1°01'17	
max. Earth dist.	-1840 Nov 30 j 03:38	24°♏29'18	11.01683 AU	
morning rise	-1840 Dec 17 j 05:20	26°♏29'51		

Attention, astronomical year style is used: The year -1839 in astronomical counting style is the year 1840 BCE in historical counting style.

	-1839 Jan 18 j 19:23	0°♐	
retrograde	-1839 Mar 29 j 11:11	3°♐38'20	
opposition	-1839 Jun 08 j 12:22	0°♐18'29	0°58'46
min. Earth dist.	-1839 Jun 08 j 21:44	0°♐16'44	8.97575 AU
	-1839 Jun 12 j 16:10	30°℞♏	
direct	-1839 Aug 17 j 15:08	27°♏00'06	
	-1839 Oct 18 j 10:01	0°♐	
evening set	-1839 Nov 25 j 11:07	4°♐01'45	
conjunction	-1839 Dec 12 j 02:14	6°♐00'10	0°34'29
minimum elong	-1839 Dec 12 j 02:15	6°♐00'10	0°34'26
max. Earth dist.	-1839 Dec 11 j 15:24	5°♐56'56	10.92992 AU
morning rise	-1839 Dec 28 j 19:49	7°♐59'21	
retrograde	-1838 Apr 10 j 22:05	15°♐15'33	
opposition	-1838 Jun 20 j 21:42	11°♐54'26	0°24'35
min. Earth dist.	-1838 Jun 21 j 06:38	11°♐52'46	8.87891 AU
direct	-1838 Aug 29 j 12:46	8°♐35'44	
evening set	-1838 Dec 07 j 03:05	15°♐41'53	
conjunction	-1838 Dec 23 j 20:33	17°♐42'16	0°05'46
minimum elong	-1838 Dec 23 j 20:34	17°♐42'16	0°05'43
behind sun begin	-1838 Dec 23 j 13:50	17°♐40'15	
behind sun end	-1838 Dec 24 j 03:18	17°♐44'17	
max. Earth dist.	-1838 Dec 23 j 11:10	17°♐39'27	10.82480 AU
morning rise	-1837 Jan 09 j 17:07	19°♐43'40	
desc. node	-1837 Mar 06 j 16:17	25°♐19'26	
retrograde	-1837 Apr 23 j 16:36	27°♐08'56	
opposition	-1837 Jul 03 j 12:24	23°♐46'24	0°-11'-28
min. Earth dist.	-1837 Jul 03 j 19:51	23°♐45'00	8.76598 AU
direct	-1837 Sep 10 j 14:13	20°♐27'12	
evening set	-1837 Dec 19 j 03:06	27°♐39'22	
conjunction	-1836 Jan 04 j 23:13	29°♐42'02	0°-23'-57
minimum elong	-1836 Jan 04 j 23:12	29°♐42'01	0°24'00
max. Earth dist.	-1836 Jan 04 j 15:14	29°♐39'36	10.70556 AU
	-1836 Jan 07 j 09:59	0°♑	
morning rise	-1836 Jan 21 j 23:02	1°♑45'54	
retrograde	-1836 May 05 j 20:50	9°♑21'21	
opposition	-1836 Jul 15 j 09:26	5°♑57'20	0°-48'-1
min. Earth dist.	-1836 Jul 15 j 15:14	5°♑56'13	8.64155 AU
direct	-1836 Sep 21 j 21:02	2°♑37'22	
evening set	-1836 Dec 30 j 12:41	9°♑56'59	
conjunction	-1835 Jan 16 j 11:36	12°♑02'10	0°-53'-13
minimum elong	-1835 Jan 16 j 11:34	12°♑02'09	0°53'16
max. Earth dist.	-1835 Jan 16 j 04:29	11°♑59'57	10.57718 AU
morning rise	-1835 Feb 02 j 14:58	14°♑08'46	
retrograde	-1835 May 19 j 10:23	21°♑55'03	
opposition	-1835 Jul 28 j 13:14	18°♑29'32	-1°-23'-27
min. Earth dist.	-1835 Jul 28 j 17:55	18°♑28'38	8.51087 AU
direct	-1835 Oct 04 j 09:27	15°♑08'35	
evening set	-1834 Jan 12 j 09:12	22°♑36'54	
conjunction	-1834 Jan 29 j 11:11	24°♑44'45	-1°-20'-41
minimum elong	-1834 Jan 29 j 11:08	24°♑44'44	1°20'43
max. Earth dist.	-1834 Jan 29 j 05:19	24°♑42'54	10.44516 AU
morning rise	-1834 Feb 15 j 18:09	26°♑54'10	
	-1834 Mar 14 j 07:20	0°♒	
retrograde	-1834 Jun 02 j 06:42	4°♒51'31	
opposition	-1834 Aug 10 j 23:53	1°♒24'32	-1°-55'-50
min. Earth dist.	-1834 Aug 11 j 03:24	1°♒23'51	8.37969 AU
	-1834 Aug 29 j 11:10	30°℞♑	
direct	-1834 Oct 17 j 07:37	28°♑02'24	
	-1834 Dec 03 j 11:23	0°♒	
evening set	-1833 Jan 25 j 17:18	5°♒40'19	
conjunction	-1833 Feb 11 j 22:41	7°♒50'57	-1°-44'-45
minimum elong	-1833 Feb 11 j 22:38	7°♒50'56	1°44'47
max. Earth dist.	-1833 Feb 11 j 19:02	7°♒49'47	10.31543 AU
morning rise	-1833 Mar 01 j 09:13	10°♒03'12	
	-1833 Apr 14 j 13:27	15°♒	
retrograde	-1833 Jun 16 j 11:47	18°♒11'15	
	-1833 Aug 21 j 03:43	15°℞♒	
opposition	-1833 Aug 24 j 17:30	14°♒42'54	-2°-23'-7
min. Earth dist.	-1833 Aug 24 j 19:23	14°♒42'31	8.25395 AU
direct	-1833 Oct 30 j 14:18	11°♒19'29	
	-1832 Jan 04 j 02:04	15°♒	
evening set	-1832 Feb 08 j 13:16	19°♒07'24	
conjunction	-1832 Feb 25 j 22:27	21°♒20'51	-2°-3'-46
minimum elong	-1832 Feb 25 j 22:24	21°♒20'50	2°03'47
max. Earth dist.	-1832 Feb 25 j 21:36	21°♒20'35	10.19405 AU
morning rise	-1832 Mar 14 j 12:33	23°♒35'54	
	-1832 May 13 j 18:12	0°♓	
retrograde	-1832 Jun 30 j 01:12	1°♓53'33	
	-1832 Aug 17 j 04:23	30°℞♒	
opposition	-1832 Sep 06 j 17:33	28°♒24'04	-2°-43'-11
min. Earth dist.	-1832 Sep 06 j 17:10	28°♒24'09	8.13988 AU
direct	-1832 Nov 12 j 04:27	24°♒59'20	
	-1831 Jan 28 j 14:44	0°♓	
evening set	-1831 Feb 21 j 21:14	2°♓57'12	
conjunction	-1831 Mar 11 j 10:25	5°♓13'22	-2°-16'-9
minimum elong	-1831 Mar 11 j 10:24	5°♓13'22	2°16'10
max. Earth dist.	-1831 Mar 11 j 12:18	5°♓13'59	10.08799 AU
morning rise	-1831 Mar 29 j 04:05	7°♓31'02	
retrograde	-1831 Jul 14 j 21:13	15°♓56'14	
opposition	-1831 Sep 20 j 23:03	12°♓25'57	-2°-54'-9
min. Earth dist.	-1831 Sep 20 j 20:18	12°♓26'31	8.04487 AU
direct	-1831 Nov 26 j 02:23	8°♓59'54	
evening set	-1830 Mar 08 j 15:47	17°♓06'47	
conjunction	-1830 Mar 26 j 09:03	19°♓25'23	-2°-20'-38
minimum elong	-1830 Mar 26 j 09:03	19°♓25'23	2°20'39
max. Earth dist.	-1830 Mar 26 j 13:41	19°♓26'55	10.00494 AU
morning rise	-1830 Apr 13 j 06:10	21°♓45'17	
	-1830 Jul 13 j 05:26	0°♈	
retrograde	-1830 Jul 29 j 20:10	0°♈15'07	
	-1830 Aug 15 j 09:44	30°℞♓	
opposition	-1830 Oct 05 j 08:50	26°♓44'22	-2°-54'-37
min. Earth dist.	-1830 Oct 05 j 03:55	26°♓45'23	7.97607 AU
direct	-1830 Dec 10 j 09:16	23°♓17'04	
	-1829 Mar 11 j 18:55	0°♈	
evening set	-1829 Mar 23 j 18:36	1°♈31'10	
conjunction	-1829 Apr 10 j 15:51	3°♈51'44	-2°-16'-28
minimum elong	-1829 Apr 10 j 15:53	3°♈51'45	2°16'29
max. Earth dist.	-1829 Apr 10 j 22:59	3°♈54'05	9.95131 AU
morning rise	-1829 Apr 28 j 16:09	6°♈13'17	
retrograde	-1829 Aug 13 j 18:47	14°♈44'13	
opposition	-1829 Oct 19 j 20:52	11°♈13'24	-2°-44'-2
min. Earth dist.	-1829 Oct 19 j 14:25	11°♈14'45	7.93871 AU
direct	-1829 Dec 24 j 22:25	7°♈45'01	
evening set	-1828 Apr 07 j 03:07	16°♈03'54	
conjunction	-1828 Apr 25 j 03:55	18°♈25'45	-2°-3'-38
minimum elong	-1828 Apr 25 j 03:59	18°♈25'46	2°03'38
max. Earth dist.	-1828 Apr 25 j 12:54	18°♈28'43	9.93115 AU
morning rise	-1828 May 13 j 06:44	20°♈48'14	
retrograde	-1828 Aug 27 j 14:52	29°♈16'28	
opposition	-1828 Nov 02 j 08:48	25°♈46'04	-2°-22'-53
min. Earth dist.	-1828 Nov 02 j 01:27	25°♈47'36	7.93554 AU
direct	-1827 Jan 07 j 15:39	22°♈16'48	
	-1827 Apr 17 j 16:03	0°♉	

Attention, astronomical year style is used: The year -1827 in astronomical counting style is the year 1828 BCE in historical counting style.

evening set	-1827 Apr 22 j 13:46	0°♉37'39	
conjunction	-1827 May 10 j 17:14	2°♉59'58	-1°-42'-56
minimum elong	-1827 May 10 j 17:19	3°♉00'00	1°42'56
max. Earth dist.	-1827 May 11 j 03:36	3°♉03'23	9.94583 AU
morning rise	-1827 May 28 j 21:26	5°♉22'27	
retrograde	-1827 Sep 11 j 05:57	13°♉44'39	
opposition	-1827 Nov 16 j 18:47	10°♉15'02	-1°-52'-42
min. Earth dist.	-1827 Nov 16 j 10:33	10°♉16'45	7.96673 AU
direct	-1826 Jan 22 j 10:26	6°♉45'13	
evening set	-1826 May 07 j 22:47	15°♉05'08	
	-1826 May 07 j 06:44	15°♉	
conjunction	-1826 May 26 j 03:36	17°♉26'57	-1°-15'-54
minimum elong	-1826 May 26 j 03:40	17°♉26'59	1°15'53
max. Earth dist.	-1826 May 26 j 14:59	17°♉30'41	9.99409 AU
morning rise	-1826 Jun 13 j 07:44	19°♉48'30	
retrograde	-1826 Sep 25 j 14:13	28°♉01'59	
opposition	-1826 Dec 01 j 00:44	24°♉33'30	-1°-15'-51
min. Earth dist.	-1826 Nov 30 j 15:46	24°♉35'21	8.02992 AU
direct	-1825 Feb 06 j 05:00	21°♉03'27	
evening set	-1825 May 23 j 03:12	29°♉19'49	
	-1825 May 28 j 09:18	0°♊	
conjunction	-1825 Jun 10 j 07:49	1°♊40'14	0°-44'-34
minimum elong	-1825 Jun 10 j 07:51	1°♊40'15	0°44'33
max. Earth dist.	-1825 Jun 10 j 19:32	1°♊44'01	10.07234 AU
morning rise	-1825 Jun 28 j 10:20	3°♊59'55	
retrograde	-1825 Oct 09 j 13:19	12°♊02'55	
opposition	-1825 Dec 15 j 01:02	8°♊35'48	0°-35'-7
min. Earth dist.	-1825 Dec 14 j 15:44	8°♊37'43	8.12062 AU
direct	-1824 Feb 20 j 20:05	5°♊05'53	
evening set	-1824 Jun 06 j 00:14	13°♊16'35	
conjunction	-1824 Jun 24 j 03:00	15°♊34'45	0°-11'-14
minimum elong	-1824 Jun 24 j 03:00	15°♊34'45	0°11'13
behind sun begin	-1824 Jun 23 j 21:40	15°♊33'04	
behind sun end	-1824 Jun 24 j 08:20	15°♊36'26	
max. Earth dist.	-1824 Jun 24 j 14:31	15°♊38'25	10.17502 AU
morning rise	-1824 Jul 12 j 02:19	17°♊51'49	
retrograde	-1824 Oct 22 j 03:32	25°♊43'31	
asc. node	-1824 Oct 28 j 16:38	25°♊41'06	
opposition	-1824 Dec 27 j 19:02	22°♊17'58	0°06'35
min. Earth dist.	-1824 Dec 27 j 10:08	22°♊19'46	8.23278 AU
direct	-1823 Mar 06 j 05:16	18°♊48'30	
evening set	-1823 Jun 20 j 11:41	26°♊51'56	
conjunction	-1823 Jul 08 j 10:59	29°♊07'14	0°22'03
minimum elong	-1823 Jul 08 j 10:58	29°♊07'13	0°22'05
max. Earth dist.	-1823 Jul 08 j 21:40	29°♊10'35	10.29551 AU
	-1823 Jul 15 j 10:05	0°♋	
morning rise	-1823 Jul 26 j 05:52	1°♋21'10	
retrograde	-1823 Nov 04 j 09:07	9°♋01'34	
opposition	-1822 Jan 10 j 06:06	5°♋37'39	0°46'44
min. Earth dist.	-1822 Jan 09 j 22:34	5°♋39'09	8.35957 AU
direct	-1822 Mar 20 j 06:49	2°♋08'56	
evening set	-1822 Jul 04 j 12:24	10°♋04'07	
conjunction	-1822 Jul 22 j 07:03	12°♋16'11	0°53'17
minimum elong	-1822 Jul 22 j 07:01	12°♋16'10	0°53'18
max. Earth dist.	-1822 Jul 22 j 15:41	12°♋18'52	10.42683 AU
morning rise	-1822 Aug 08 j 20:47	14°♋26'43	
retrograde	-1822 Nov 17 j 05:34	21°♋56'23	
opposition	-1821 Jan 23 j 10:02	18°♋34'07	1°23'13
min. Earth dist.	-1821 Jan 23 j 04:22	18°♋35'15	8.49397 AU
direct	-1821 Apr 03 j 01:07	15°♋06'24	
evening set	-1821 Jul 18 j 01:47	22°♋52'56	
conjunction	-1821 Aug 04 j 15:08	25°♋01'38	1°21'02
minimum elong	-1821 Aug 04 j 15:05	25°♋01'37	1°21'03
max. Earth dist.	-1821 Aug 04 j 20:57	25°♋03'25	10.56200 AU
morning rise	-1821 Aug 21 j 23:25	27°♋08'46	
	-1821 Sep 15 j 22:18	0°♌	
retrograde	-1821 Nov 29 j 15:51	4°♌28'45	
opposition	-1820 Feb 05 j 07:15	1°♌08'03	1°54'32
min. Earth dist.	-1820 Feb 05 j 03:19	1°♌08'49	8.62900 AU
	-1820 Feb 20 j 03:10	30°℞♋	
direct	-1820 Apr 15 j 12:53	27°♋41'31	
	-1820 Jun 08 j 15:06	0°♌	
evening set	-1820 Jul 30 j 03:52	5°♌19'24	
conjunction	-1820 Aug 16 j 11:42	7°♌24'48	1°44'14
minimum elong	-1820 Aug 16 j 11:39	7°♌24'47	1°44'16
max. Earth dist.	-1820 Aug 16 j 14:51	7°♌25'45	10.69439 AU
morning rise	-1820 Sep 02 j 14:34	9°♌28'41	
	-1820 Oct 27 j 14:30	15°♌	
retrograde	-1820 Dec 10 j 20:39	16°♌40'20	
	-1819 Jan 25 j 11:09	15°℞♌	
opposition	-1819 Feb 16 j 22:18	13°♌21'01	2°19'39
min. Earth dist.	-1819 Feb 16 j 19:30	13°♌21'34	8.75825 AU
direct	-1819 Apr 28 j 15:48	9°♌55'51	
	-1819 Jul 21 j 07:48	15°♌	
evening set	-1819 Aug 11 j 19:13	17°♌25'21	
conjunction	-1819 Aug 28 j 21:52	19°♌27'46	2°02'12
minimum elong	-1819 Aug 28 j 21:49	19°♌27'45	2°02'14
max. Earth dist.	-1819 Aug 28 j 23:26	19°♌28'14	10.81812 AU
morning rise	-1819 Sep 14 j 19:38	21°♌28'44	
retrograde	-1819 Dec 22 j 20:13	28°♌33'29	
opposition	-1818 Mar 01 j 07:58	25°♌15'21	2°38'01
min. Earth dist.	-1818 Mar 01 j 06:46	25°♌15'35	8.87618 AU
direct	-1818 May 11 j 09:32	21°♌51'34	
evening set	-1818 Aug 24 j 00:44	29°♌13'18	
	-1818 Aug 30 j 16:08	0°♍	
conjunction	-1818 Sep 09 j 22:44	1°♍13'07	2°14'35
minimum elong	-1818 Sep 09 j 22:43	1°♍13'06	2°14'37
max. Earth dist.	-1818 Sep 09 j 22:36	1°♍13'04	10.92804 AU
morning rise	-1818 Sep 26 j 16:07	3°♍11'38	
retrograde	-1817 Jan 03 j 14:47	10°♍10'58	
opposition	-1817 Mar 13 j 13:12	6°♍53'48	2°49'24
min. Earth dist.	-1817 Mar 13 j 14:24	6°♍53'34	8.97799 AU
direct	-1817 May 23 j 21:16	3°♍31'21	
evening set	-1817 Sep 04 j 22:00	10°♍46'08	
conjunction	-1817 Sep 21 j 15:53	12°♍43'49	2°21'14
minimum elong	-1817 Sep 21 j 15:52	12°♍43'49	2°21'15
max. Earth dist.	-1817 Sep 21 j 13:04	12°♍42'59	11.01990 AU
morning rise	-1817 Oct 08 j 05:53	14°♍40'23	
retrograde	-1816 Jan 15 j 05:35	21°♍35'50	
opposition	-1816 Mar 24 j 14:56	18°♍19'20	2°53'50
min. Earth dist.	-1816 Mar 24 j 18:34	18°♍18'40	9.05989 AU
direct	-1816 Jun 04 j 02:30	14°♍58'08	
evening set	-1816 Sep 15 j 12:10	22°♍06'56	
conjunction	-1816 Oct 02 j 02:51	24°♍03'00	2°22'13
minimum elong	-1816 Oct 02 j 02:51	24°♍03'00	2°22'13
max. Earth dist.	-1816 Oct 01 j 21:23	24°♍01'24	11.09050 AU
morning rise	-1816 Oct 18 j 14:30	25°♍58'12	
	-1816 Nov 26 j 09:58	0°♎	
retrograde	-1815 Jan 25 j 17:45	2°♎51'20	
	-1815 Mar 30 j 22:59	30°℞♍	
opposition	-1815 Apr 05 j 14:12	29°♍35'10	2°51'31
min. Earth dist.	-1815 Apr 05 j 19:07	29°♍34'16	9.11898 AU
direct	-1815 Jun 16 j 03:42	26°♍15'04	

Attention, astronomical year style is used: The year -1815 in astronomical counting style is the year 1816 BCE in historical counting style.

	-1815 Aug 26 j 16:42	0°♎	
evening set	-1815 Sep 26 j 20:36	3°♎18'57	
conjunction	-1815 Oct 13 j 09:14	5°♎13'58	2°17'45
minimum elong	-1815 Oct 13 j 09:15	5°♎13'58	2°17'44
max. Earth dist.	-1815 Oct 13 j 02:37	5°♎12'02	11.13730 AU
morning rise	-1815 Oct 29 j 19:27	7°♎08'20	
retrograde	-1814 Feb 06 j 08:02	14°♎00'42	
opposition	-1814 Apr 17 j 11:56	10°♎44'34	2°42'46
min. Earth dist.	-1814 Apr 17 j 17:50	10°♎43'29	9.15297 AU
direct	-1814 Jun 28 j 01:03	7°♎25'23	
evening set	-1814 Oct 08 j 01:25	14°♎25'33	
conjunction	-1814 Oct 24 j 12:52	16°♎20'05	2°08'06
minimum elong	-1814 Oct 24 j 12:55	16°♎20'06	2°08'05
max. Earth dist.	-1814 Oct 24 j 05:10	16°♎17'50	11.15832 AU
morning rise	-1814 Nov 09 j 22:33	18°♎14'11	
retrograde	-1813 Feb 17 j 21:27	25°♎07'18	
opposition	-1813 Apr 29 j 09:14	21°♎50'54	2°28'01
min. Earth dist.	-1813 Apr 29 j 16:52	21°♎49'31	9.16032 AU
direct	-1813 Jul 09 j 17:28	18°♎32'25	
evening set	-1813 Oct 19 j 04:15	25°♎30'17	
conjunction	-1813 Nov 04 j 15:13	27°♎24'49	1°53'40
minimum elong	-1813 Nov 04 j 15:15	27°♎24'50	1°53'39
max. Earth dist.	-1813 Nov 04 j 05:11	27°♎21'53	11.15236 AU
morning rise	-1813 Nov 21 j 01:27	29°♎19'12	
	-1813 Nov 27 j 01:26	0°♏	
retrograde	-1812 Feb 29 j 13:50	6°♏14'45	
opposition	-1812 May 10 j 07:33	2°♏57'48	2°07'44
min. Earth dist.	-1812 May 10 j 17:05	2°♏56'03	9.14028 AU
	-1812 Jun 29 j 17:39	30°℞♎	
direct	-1812 Jul 20 j 10:02	29°♎39'43	
	-1812 Aug 09 j 21:35	0°♏	
evening set	-1812 Oct 29 j 06:42	6°♏36'47	
conjunction	-1812 Nov 14 j 18:03	8°♏31'53	1°34'54
minimum elong	-1812 Nov 14 j 18:05	8°♏31'53	1°34'54
max. Earth dist.	-1812 Nov 14 j 06:26	8°♏28'28	11.11917 AU
morning rise	-1812 Dec 01 j 05:42	10°♏27'06	
	-1811 Jan 15 j 01:55	15°♏	
retrograde	-1811 Mar 12 j 08:51	17°♏26'44	
	-1811 May 10 j 13:54	15°℞♏	
opposition	-1811 May 22 j 07:44	14°♏08'57	1°42'30
min. Earth dist.	-1811 May 22 j 18:04	14°♏07'03	9.09328 AU
direct	-1811 Aug 01 j 01:53	10°♏51'03	
	-1811 Oct 14 j 15:15	15°♏	
evening set	-1811 Nov 09 j 10:54	17°♏48'52	
conjunction	-1811 Nov 25 j 23:29	19°♏45'01	1°12'22
minimum elong	-1811 Nov 25 j 23:32	19°♏45'01	1°12'20
max. Earth dist.	-1811 Nov 25 j 11:56	19°♏41'36	11.05990 AU
morning rise	-1811 Dec 12 j 13:05	21°♏41'32	
retrograde	-1810 Mar 24 j 10:27	28°♏46'54	
opposition	-1810 Jun 03 j 10:45	25°♏27'58	1°13'01
min. Earth dist.	-1810 Jun 03 j 20:41	25°♏26'07	9.02133 AU
direct	-1810 Aug 12 j 19:53	22°♏09'58	
evening set	-1810 Nov 20 j 18:41	29°♏10'08	
	-1810 Nov 27 j 20:43	0°♐	
conjunction	-1810 Dec 07 j 09:00	1°♐07'46	0°46'41
minimum elong	-1810 Dec 07 j 09:02	1°♐07'46	0°46'39
max. Earth dist.	-1810 Dec 06 j 21:29	1°♐04'20	10.97707 AU
morning rise	-1810 Dec 24 j 01:04	3°♐06'01	
retrograde	-1809 Apr 05 j 19:46	10°♐18'34	
opposition	-1809 Jun 15 j 18:06	6°♐58'17	0°40'05
min. Earth dist.	-1809 Jun 16 j 03:48	6°♐56'29	8.92747 AU
direct	-1809 Aug 24 j 14:52	3°♐39'56	
evening set	-1809 Dec 02 j 07:46	10°♐43'57	
conjunction	-1809 Dec 19 j 00:05	12°♐43'26	0°18'42
minimum elong	-1809 Dec 19 j 00:06	12°♐43'26	0°18'39
max. Earth dist.	-1809 Dec 18 j 12:19	12°♐39'54	10.87405 AU
morning rise	-1808 Jan 04 j 19:14	14°♐43'49	
retrograde	-1808 Apr 17 j 09:28	22°♐04'59	
opposition	-1808 Jun 27 j 06:37	18°♐43'09	0°04'44
min. Earth dist.	-1808 Jun 27 j 16:08	18°♐41'22	8.81553 AU
desc. node	-1808 Aug 15 j 16:17	15°♐44'06	
direct	-1808 Sep 04 j 13:26	15°♐24'07	
evening set	-1808 Dec 13 j 04:05	22°♐33'38	
conjunction	-1808 Dec 29 j 22:51	24°♐35'18	0°-10'-43
minimum elong	-1808 Dec 29 j 22:51	24°♐35'18	0°10'47
behind sun begin	-1808 Dec 29 j 17:25	24°♐33'40	
behind sun end	-1808 Dec 30 j 04:16	24°♐36'56	
max. Earth dist.	-1808 Dec 29 j 11:38	24°♐31'54	10.75496 AU
morning rise	-1807 Jan 15 j 21:21	26°♐38'07	
	-1807 Feb 15 j 01:19	0°♑	
retrograde	-1807 Apr 30 j 08:21	4°♑09'07	
opposition	-1807 Jul 10 j 00:49	0°♑45'35	0°-31'-46
min. Earth dist.	-1807 Jul 10 j 09:37	0°♑43'55	8.69004 AU
	-1807 Jul 20 j 02:19	30°℞♐	
direct	-1807 Sep 16 j 19:13	27°♐25'40	
	-1807 Nov 11 j 09:30	0°♑	
evening set	-1807 Dec 25 j 09:10	4°♑42'10	
conjunction	-1806 Jan 11 j 06:51	6°♑46'19	0°-40'-18
minimum elong	-1806 Jan 11 j 06:49	6°♑46'18	0°40'21
max. Earth dist.	-1806 Jan 10 j 21:43	6°♑43'30	10.62451 AU
morning rise	-1806 Jan 28 j 08:42	8°♑51'48	
retrograde	-1806 May 13 j 17:12	16°♑33'34	
opposition	-1806 Jul 23 j 01:34	13°♑08'19	-1°-7'-56
min. Earth dist.	-1806 Jul 23 j 08:23	13°♑07'00	8.55614 AU
direct	-1806 Sep 29 j 05:56	9°♑47'21	
evening set	-1805 Jan 07 j 00:31	17°♑12'10	
conjunction	-1805 Jan 24 j 01:16	19°♑18'59	-1°-8'-46
minimum elong	-1805 Jan 24 j 01:13	19°♑18'58	1°08'48
max. Earth dist.	-1805 Jan 23 j 18:31	19°♑16'53	10.48825 AU
morning rise	-1805 Feb 10 j 06:32	21°♑27'18	
retrograde	-1805 May 27 j 10:48	29°♑20'22	
opposition	-1805 Aug 05 j 09:22	25°♑53'27	-1°-41'-58
min. Earth dist.	-1805 Aug 05 j 13:44	25°♑52'35	8.41977 AU
direct	-1805 Oct 11 j 23:44	22°♑31'17	
	-1804 Jan 19 j 09:43	0°♒	
evening set	-1804 Jan 20 j 03:30	0°♒05'31	
conjunction	-1804 Feb 06 j 07:29	2°♒15'08	-1°-34'-34
minimum elong	-1804 Feb 06 j 07:26	2°♒15'07	1°34'37
max. Earth dist.	-1804 Feb 06 j 02:51	2°♒13'40	10.35263 AU
morning rise	-1804 Feb 23 j 16:22	4°♒26'21	
retrograde	-1804 Jun 09 j 13:38	12°♒30'36	
opposition	-1804 Aug 18 j 00:16	9°♒02'09	-2°-11'-50
min. Earth dist.	-1804 Aug 18 j 02:26	9°♒01'43	8.28761 AU
direct	-1804 Oct 24 j 01:46	5°♒38'41	
evening set	-1803 Feb 01 j 18:35	13°♒22'58	
	-1803 Feb 14 j 11:40	15°♒	
conjunction	-1803 Feb 19 j 02:05	15°♒35'27	-1°-56'-4
minimum elong	-1803 Feb 19 j 02:02	15°♒35'26	1°56'06
max. Earth dist.	-1803 Feb 18 j 23:23	15°♒34'34	10.22456 AU
morning rise	-1803 Mar 08 j 14:43	17°♒49'33	
retrograde	-1803 Jun 24 j 00:42	26°♒04'04	
opposition	-1803 Aug 31 j 22:04	22°♒34'21	-2°-35'-25

Attention, astronomical year style is used: The year -1803 in astronomical counting style is the year 1804 BCE in historical counting style.

min. Earth dist.	-1803 Aug 31 j 22:26	22°♒34'17	8.16657 AU
direct	-1803 Nov 06 j 12:11	19°♒09'31	
evening set	-1802 Feb 15 j 21:44	27°♒03'56	
conjunction	-1802 Mar 05 j 09:01	29°♒19'10	-2°-11'-36
minimum elong	-1802 Mar 05 j 08:59	29°♒19'09	2°11'38
max. Earth dist.	-1802 Mar 05 j 08:59	29°♒19'10	10.11114 AU
	-1802 Mar 10 j 14:48	0°♓	
morning rise	-1802 Mar 23 j 01:18	1°♓36'00	
retrograde	-1802 Jul 08 j 17:58	9°♓59'02	
opposition	-1802 Sep 15 j 01:51	6°♓28'22	-2°-50'-39
min. Earth dist.	-1802 Sep 15 j 00:18	6°♓28'42	8.06369 AU
direct	-1802 Nov 20 j 07:53	3°♓02'13	
evening set	-1801 Mar 02 j 12:00	11°♓06'05	
conjunction	-1801 Mar 20 j 03:23	13°♓23'52	-2°-19'-43
minimum elong	-1801 Mar 20 j 03:23	13°♓23'52	2°19'45
max. Earth dist.	-1801 Mar 20 j 06:40	13°♓24'57	10.01940 AU
morning rise	-1801 Apr 06 j 23:14	15°♓43'05	
retrograde	-1801 Jul 23 j 14:59	24°♓12'03	
opposition	-1801 Sep 29 j 10:24	20°♓40'49	-2°-55'-52
min. Earth dist.	-1801 Sep 29 j 06:31	20°♓41'37	7.98554 AU
direct	-1801 Dec 04 j 12:45	17°♓13'28	
evening set	-1800 Mar 16 j 11:42	25°♓25'17	
conjunction	-1800 Apr 03 j 07:17	27°♓45'15	-2°-19'-24
minimum elong	-1800 Apr 03 j 07:19	27°♓45'16	2°19'25
max. Earth dist.	-1800 Apr 03 j 13:59	27°♓47'28	9.95549 AU
	-1800 Apr 20 j 10:42	0°♈	
morning rise	-1800 Apr 21 j 06:26	0°♈06'22	
retrograde	-1800 Aug 06 j 13:36	8°♈37'56	
opposition	-1800 Oct 12 j 22:00	5°♈06'35	-2°-50'-7
min. Earth dist.	-1800 Oct 12 j 15:43	5°♈07'53	7.93737 AU
direct	-1800 Dec 17 j 23:29	1°♈38'14	
evening set	-1799 Mar 31 j 18:29	9°♈55'52	
conjunction	-1799 Apr 18 j 17:57	12°♈17'25	-2°-10'-18
minimum elong	-1799 Apr 18 j 18:00	12°♈17'26	2°10'18
max. Earth dist.	-1799 Apr 19 j 03:45	12°♈20'40	9.92390 AU
morning rise	-1799 May 06 j 19:47	14°♈39'45	
retrograde	-1799 Aug 21 j 11:59	23°♈10'13	
opposition	-1799 Oct 27 j 10:31	19°♈39'14	-2°-33'-24
min. Earth dist.	-1799 Oct 27 j 02:04	19°♈41'00	7.92274 AU
direct	-1798 Jan 01 j 14:39	16°♈10'07	
evening set	-1798 Apr 16 j 04:55	24°♈30'54	
conjunction	-1798 May 04 j 07:32	26°♈53'16	-1°-52'-51
minimum elong	-1798 May 04 j 07:36	26°♈53'17	1°52'51
max. Earth dist.	-1798 May 04 j 19:47	26°♈57'19	9.92716 AU
morning rise	-1798 May 22 j 11:11	29°♈15'59	
	-1798 May 28 j 04:40	0°♉	
retrograde	-1798 Sep 05 j 07:08	7°♉41'47	
opposition	-1798 Nov 10 j 22:02	4°♉11'37	-2°-6'-51
min. Earth dist.	-1798 Nov 10 j 12:14	4°♉13'39	7.94300 AU
direct	-1797 Jan 16 j 08:25	0°♉42'01	
evening set	-1797 May 01 j 15:32	9°♉03'03	
conjunction	-1797 May 19 j 20:07	11°♉25'20	-1°-28'-18
minimum elong	-1797 May 19 j 20:11	11°♉25'21	1°28'18
max. Earth dist.	-1797 May 20 j 09:40	11°♉29'47	9.96521 AU
morning rise	-1797 Jun 07 j 00:23	13°♉47'29	
	-1797 Jun 16 j 13:29	15°♉	
retrograde	-1797 Sep 19 j 20:23	22°♉05'33	
opposition	-1797 Nov 25 j 06:28	18°♉36'36	-1°-32'-29
min. Earth dist.	-1797 Nov 24 j 20:18	18°♉38'42	7.99687 AU
direct	-1796 Jan 31 j 03:21	15°♉06'50	
evening set	-1796 May 15 j 23:08	23°♉25'22	

conjunction	-1796 Jun 03 j 04:07	25°♉46'34	0°-58'-31
minimum elong	-1796 Jun 03 j 04:09	25°♉46'35	0°58'30
max. Earth dist.	-1796 Jun 03 j 17:45	25°♉51'00	10.03527 AU
morning rise	-1796 Jun 21 j 07:27	28°♉07'13	
	-1796 Jul 06 j 10:42	0°♊	
retrograde	-1796 Oct 03 j 00:30	6°♊15'17	
opposition	-1796 Dec 08 j 09:58	2°♊47'51	0°-53'00
min. Earth dist.	-1796 Dec 08 j 00:08	2°♊49'52	8.08063 AU
	-1795 Jan 16 j 23:52	30°℞♉	
direct	-1795 Feb 13 j 20:50	29°♉18'12	
	-1795 Mar 13 j 17:13	0°♊	
evening set	-1795 May 31 j 00:24	7°♊31'50	
conjunction	-1795 Jun 18 j 04:03	9°♊51'04	0°-25'-43
minimum elong	-1795 Jun 18 j 04:04	9°♊51'04	0°25'42
max. Earth dist.	-1795 Jun 18 j 16:46	9°♊55'09	10.13245 AU
morning rise	-1795 Jul 06 j 04:56	12°♊09'22	
retrograde	-1795 Oct 16 j 18:33	20°♊06'12	
opposition	-1795 Dec 22 j 07:25	16°♊40'25	0°-11'-20
min. Earth dist.	-1795 Dec 21 j 22:17	16°♊42'17	8.18858 AU
direct	-1794 Feb 28 j 09:35	13°♊11'12	
asc. node	-1794 Apr 04 j 08:58	14°♊15'08	
evening set	-1794 Jun 14 j 16:35	21°♊18'00	
conjunction	-1794 Jul 02 j 17:23	23°♊34'32	0°07'55
minimum elong	-1794 Jul 02 j 17:22	23°♊34'32	0°07'56
behind sun begin	-1794 Jul 02 j 10:52	23°♊32'29	
behind sun end	-1794 Jul 02 j 23:53	23°♊36'35	
max. Earth dist.	-1794 Jul 03 j 04:25	23°♊38'02	10.25006 AU
morning rise	-1794 Jul 20 j 14:28	25°♊49'51	
	-1794 Aug 26 j 01:29	0°♋	
retrograde	-1794 Oct 30 j 03:37	3°♋35'07	
opposition	-1793 Jan 04 j 21:47	0°♋11'01	0°29'47
min. Earth dist.	-1793 Jan 04 j 13:24	0°♋12'42	8.31336 AU
	-1793 Jan 07 j 04:33	30°℞♊	
direct	-1793 Mar 14 j 15:41	26°♊42'29	
	-1793 May 17 j 17:23	0°♋	
evening set	-1793 Jun 28 j 22:27	4°♋41'14	
conjunction	-1793 Jul 16 j 19:09	6°♋54'38	0°40'11
minimum elong	-1793 Jul 16 j 19:08	6°♋54'38	0°40'12
max. Earth dist.	-1793 Jul 17 j 04:11	6°♋57'28	10.38014 AU
morning rise	-1793 Aug 03 j 11:21	9°♋06'36	
retrograde	-1793 Nov 12 j 03:55	16°♋40'42	
opposition	-1792 Jan 18 j 04:48	13°♋18'15	1°08'03
min. Earth dist.	-1792 Jan 17 j 21:44	13°♋19'39	8.44666 AU
direct	-1792 Mar 27 j 13:52	9°♋50'38	
evening set	-1792 Jul 11 j 17:03	17°♋40'49	
conjunction	-1792 Jul 29 j 08:48	19°♋50'54	1°09'35
minimum elong	-1792 Jul 29 j 08:46	19°♋50'53	1°09'36
max. Earth dist.	-1792 Jul 29 j 15:44	19°♋53'03	10.51442 AU
morning rise	-1792 Aug 15 j 19:27	21°♋59'26	
retrograde	-1792 Nov 23 j 19:14	29°♋23'26	
opposition	-1791 Jan 30 j 05:06	26°♋02'34	1°41'44
min. Earth dist.	-1791 Jan 30 j 00:03	26°♋03'34	8.58077 AU
direct	-1791 Apr 10 j 04:25	22°♋36'04	
	-1791 Jul 22 j 12:55	0°♌	
evening set	-1791 Jul 25 j 00:10	0°♌17'38	
conjunction	-1791 Aug 11 j 10:31	2°♌24'25	1°34'51
minimum elong	-1791 Aug 11 j 10:28	2°♌24'24	1°34'52
max. Earth dist.	-1791 Aug 11 j 15:07	2°♌25'49	10.64614 AU
morning rise	-1791 Aug 28 j 15:34	4°♌29'38	
retrograde	-1791 Dec 06 j 04:07	11°♌44'52	
opposition	-1790 Feb 11 j 23:07	8°♌25'26	2°09'36
min. Earth dist.	-1790 Feb 11 j 20:42	8°♌25'54	8.70978 AU

Attention, astronomical year style is used: The year -1790 in astronomical counting style is the year 1791 BCE in historical counting style.

direct	-1790 Apr 23 j 09:52	5°♌00'06	
evening set	-1790 Aug 06 j 20:33	12°♌33'19	
conjunction	-1790 Aug 24 j 01:27	14°♌37'01	1°55'08
minimum elong	-1790 Aug 24 j 01:24	14°♌37'00	1°55'09
max. Earth dist.	-1790 Aug 24 j 02:52	14°♌37'27	10.77014 AU
	-1790 Aug 27 j 05:40	15°♌	
morning rise	-1790 Sep 10 j 01:19	16°♌39'13	
retrograde	-1790 Dec 18 j 05:04	23°♌47'00	
opposition	-1789 Feb 24 j 11:18	20°♌28'44	2°30'56
min. Earth dist.	-1789 Feb 24 j 11:19	20°♌28'43	8.82876 AU
direct	-1789 May 06 j 07:50	17°♌04'35	
evening set	-1789 Aug 19 j 06:50	24°♌29'56	
conjunction	-1789 Sep 05 j 06:40	26°♌30'52	2°09'56
minimum elong	-1789 Sep 05 j 06:38	26°♌30'52	2°09'58
max. Earth dist.	-1789 Sep 05 j 04:57	26°♌30'22	10.88180 AU
morning rise	-1789 Sep 22 j 02:00	28°♌30'29	
	-1789 Oct 05 j 03:22	0°♍	
retrograde	-1789 Dec 30 j 00:27	5°♍32'18	
opposition	-1788 Mar 07 j 18:42	2°♍14'53	2°45'21
min. Earth dist.	-1788 Mar 07 j 20:19	2°♍14'35	8.93310 AU
	-1788 Apr 09 j 12:30	30°℞♌	
direct	-1788 May 18 j 00:52	28°♌51'54	
	-1788 Jun 24 j 22:32	0°♍	
evening set	-1788 Aug 30 j 07:48	6°♍10'00	
conjunction	-1788 Sep 16 j 03:23	8°♍08'38	2°19'03
minimum elong	-1788 Sep 16 j 03:22	8°♍08'38	2°19'04
max. Earth dist.	-1788 Sep 15 j 23:56	8°♍07'37	10.97692 AU
morning rise	-1788 Oct 02 j 18:51	10°♍06'05	
retrograde	-1787 Jan 09 j 18:02	17°♍03'28	
opposition	-1787 Mar 19 j 22:11	13°♍46'37	2°52'46
min. Earth dist.	-1787 Mar 20 j 01:03	13°♍46'05	9.01894 AU
direct	-1787 May 30 j 09:24	10°♍24'44	
evening set	-1787 Sep 11 j 01:04	17°♍36'25	
conjunction	-1787 Sep 27 j 17:16	19°♍33'16	2°22'27
minimum elong	-1787 Sep 27 j 17:16	19°♍33'16	2°22'28
max. Earth dist.	-1787 Sep 27 j 12:37	19°♍31'54	11.05210 AU
morning rise	-1787 Oct 14 j 05:47	21°♍29'07	
retrograde	-1786 Jan 21 j 07:49	28°♍23'31	
opposition	-1786 Mar 31 j 22:34	25°♍06'57	2°53'20
min. Earth dist.	-1786 Apr 01 j 03:30	25°♍06'02	9.08335 AU
direct	-1786 Jun 11 j 11:34	21°♍46'03	
evening set	-1786 Sep 22 j 12:06	28°♍52'24	
	-1786 Oct 02 j 05:38	0°♎	
conjunction	-1786 Oct 09 j 01:40	0°♎47'58	2°20'17
minimum elong	-1786 Oct 09 j 01:41	0°♎47'58	2°20'16
max. Earth dist.	-1786 Oct 08 j 18:44	0°♎45'56	11.10484 AU
morning rise	-1786 Oct 25 j 12:24	2°♎42'47	
retrograde	-1785 Feb 01 j 20:53	9°♎35'45	
opposition	-1785 Apr 12 j 21:05	6°♎19'13	2°47'18
min. Earth dist.	-1785 Apr 13 j 04:08	6°♎17'55	9.12418 AU
direct	-1785 Jun 23 j 10:25	2°♎59'07	
evening set	-1785 Oct 03 j 18:32	10°♎01'19	
conjunction	-1785 Oct 20 j 06:21	11°♎56'10	2°12'48
minimum elong	-1785 Oct 20 j 06:23	11°♎56'11	2°12'46
max. Earth dist.	-1785 Oct 19 j 21:20	11°♎53'32	11.13346 AU
morning rise	-1785 Nov 05 j 16:21	13°♎50'31	
retrograde	-1784 Feb 13 j 08:42	20°♎43'39	
opposition	-1784 Apr 23 j 18:45	17°♎26'50	2°35'02
min. Earth dist.	-1784 Apr 24 j 02:54	17°♎25'20	9.14016 AU
direct	-1784 Jul 04 j 05:38	14°♎07'25	
evening set	-1784 Oct 13 j 22:03	21°♎06'45	

conjunction	-1784 Oct 30 j 09:14	23°♎01'25	2°00'20
minimum elong	-1784 Oct 30 j 09:16	23°♎01'26	2°00'19
max. Earth dist.	-1784 Oct 29 j 23:42	22°♎58'38	11.13711 AU
morning rise	-1784 Nov 15 j 19:18	24°♎55'49	
	-1783 Jan 06 j 15:16	0°♏	
retrograde	-1783 Feb 24 j 00:38	1°♏50'44	
	-1783 Apr 15 j 07:23	30°℞♎	
opposition	-1783 May 05 j 16:38	28°♎33'24	2°17'00
min. Earth dist.	-1783 May 06 j 00:51	28°♎31'54	9.13084 AU
direct	-1783 Jul 15 j 23:32	25°♎14'31	
	-1783 Oct 04 j 23:37	0°♏	
evening set	-1783 Oct 25 j 00:30	2°♏12'22	
conjunction	-1783 Nov 10 j 11:53	4°♏07'23	1°43'19
minimum elong	-1783 Nov 10 j 11:55	4°♏07'24	1°43'18
max. Earth dist.	-1783 Nov 10 j 02:05	4°♏04'30	11.11559 AU
morning rise	-1783 Nov 26 j 22:51	6°♏02'23	
retrograde	-1782 Mar 07 j 19:42	13°♏00'37	
opposition	-1782 May 17 j 15:59	9°♏42'35	1°53'45
min. Earth dist.	-1782 May 18 j 00:49	9°♏40'57	9.09640 AU
direct	-1782 Jul 27 j 14:18	6°♏24'02	
evening set	-1782 Nov 05 j 03:59	13°♏21'53	
	-1782 Nov 19 j 03:55	15°♏	
conjunction	-1782 Nov 21 j 16:03	15°♏17'42	1°22'17
minimum elong	-1782 Nov 21 j 16:06	15°♏17'43	1°22'15
max. Earth dist.	-1782 Nov 21 j 05:06	15°♏14'29	11.06949 AU
morning rise	-1782 Dec 08 j 04:47	17°♏13'47	
retrograde	-1781 Mar 19 j 17:52	24°♏16'57	
opposition	-1781 May 29 j 17:55	20°♏58'00	1°25'55
min. Earth dist.	-1781 May 30 j 03:38	20°♏56'12	9.03800 AU
direct	-1781 Aug 08 j 06:45	17°♏39'33	
evening set	-1781 Nov 16 j 10:09	24°♏39'00	
conjunction	-1781 Dec 02 j 23:35	26°♏36'04	0°57'49
minimum elong	-1781 Dec 02 j 23:37	26°♏36'05	0°57'47
max. Earth dist.	-1781 Dec 02 j 12:04	26°♏32'39	11.00038 AU
morning rise	-1781 Dec 19 j 14:44	28°♏33'41	
	-1780 Jan 01 j 06:32	0°♐	
retrograde	-1780 Mar 30 j 22:51	5°♐43'20	
opposition	-1780 Jun 09 j 23:37	2°♐23'15	0°54'17
min. Earth dist.	-1780 Jun 10 j 09:17	2°♐21'27	8.95771 AU
	-1780 Jul 15 j 22:11	30°℞♏	
direct	-1780 Aug 19 j 01:44	29°♏04'42	
	-1780 Sep 21 j 10:39	0°♐	
evening set	-1780 Nov 26 j 20:46	6°♐07'15	
conjunction	-1780 Dec 13 j 12:15	8°♐06'00	0°30'40
minimum elong	-1780 Dec 13 j 12:16	8°♐06'00	0°30'37
max. Earth dist.	-1780 Dec 13 j 01:53	8°♐02'54	10.91055 AU
morning rise	-1780 Dec 30 j 06:08	10°♐05'32	
retrograde	-1779 Apr 12 j 10:36	17°♐23'09	
opposition	-1779 Jun 22 j 09:55	14°♐01'45	0°19'46
min. Earth dist.	-1779 Jun 22 j 18:22	14°♐00'11	8.85829 AU
direct	-1779 Aug 30 j 23:28	10°♐42'54	
evening set	-1779 Dec 08 j 14:02	17°♐50'10	
conjunction	-1779 Dec 25 j 07:53	19°♐50'56	0°01'45
minimum elong	-1779 Dec 25 j 07:53	19°♐50'56	0°01'42
behind sun begin	-1779 Dec 25 j 00:52	19°♐48'50	
behind sun end	-1779 Dec 25 j 14:54	19°♐53'02	
max. Earth dist.	-1779 Dec 24 j 22:42	19°♐48'10	10.80315 AU
morning rise	-1778 Jan 11 j 04:47	21°♐52'43	
desc. node	-1778 Jan 15 j 23:55	22°♐26'35	
retrograde	-1778 Apr 25 j 07:55	29°♐19'35	
opposition	-1778 Jul 05 j 01:38	25°♐56'47	0°-16'-25
min. Earth dist.	-1778 Jul 05 j 08:43	25°♐55'26	8.74350 AU

Attention, astronomical year style is used: The year -1778 in astronomical counting style is the year 1779 BCE in historical counting style.

direct	-1778 Sep 12 j 01:44	22°♐37'23	
evening set	-1778 Dec 20 j 15:31	29°♐50'53	
	-1778 Dec 21 j 21:52	0°♑	
conjunction	-1777 Jan 06 j 11:54	1°♑53'58	0°-27'-58
minimum elong	-1777 Jan 06 j 11:53	1°♑53'57	0°28'01
max. Earth dist.	-1777 Jan 06 j 03:21	1°♑51'21	10.68250 AU
morning rise	-1777 Jan 23 j 12:11	3°♑58'17	
retrograde	-1777 May 08 j 13:21	11°♑35'26	
opposition	-1777 Jul 17 j 23:56	8°♑11'10	0°-52'-56
min. Earth dist.	-1777 Jul 18 j 05:57	8°♑10'01	8.61814 AU
direct	-1777 Sep 24 j 08:35	4°♑51'00	
evening set	-1776 Jan 02 j 02:36	12°♑12'08	
conjunction	-1776 Jan 19 j 01:48	14°♑17'44	0°-57'-5
minimum elong	-1776 Jan 19 j 01:46	14°♑17'43	0°57'07
max. Earth dist.	-1776 Jan 18 j 18:28	14°♑15'27	10.55376 AU
morning rise	-1776 Feb 05 j 05:40	16°♑24'47	
retrograde	-1776 May 21 j 02:27	24°♑12'53	
opposition	-1776 Jul 30 j 05:05	20°♑47'08	-1°-28'-4
min. Earth dist.	-1776 Jul 30 j 09:57	20°♑46'11	8.48775 AU
direct	-1776 Oct 05 j 23:51	17°♑25'59	
evening set	-1775 Jan 14 j 00:47	24°♑55'56	
conjunction	-1775 Jan 31 j 03:12	27°♑04'14	-1°-24'-10
minimum elong	-1775 Jan 31 j 03:09	27°♑04'13	1°24'12
max. Earth dist.	-1775 Jan 30 j 22:10	27°♑02'39	10.42264 AU
morning rise	-1775 Feb 17 j 10:35	29°♑14'05	
	-1775 Feb 23 j 16:55	0°♒	
retrograde	-1775 Jun 04 j 00:38	7°♒13'15	
opposition	-1775 Aug 12 j 16:57	3°♒46'03	-1°-59'-52
min. Earth dist.	-1775 Aug 12 j 20:00	3°♒45'27	8.35826 AU
direct	-1775 Oct 18 j 23:53	0°♒23'45	
evening set	-1774 Jan 27 j 10:42	8°♒03'17	
conjunction	-1774 Feb 13 j 16:36	10°♒14'21	-1°-47'-38
minimum elong	-1774 Feb 13 j 16:33	10°♒14'20	1°47'40
max. Earth dist.	-1774 Feb 13 j 14:28	10°♒13'40	10.29530 AU
morning rise	-1774 Mar 03 j 03:28	12°♒27'01	
	-1774 Mar 24 j 08:30	15°♒	
retrograde	-1774 Jun 18 j 08:16	20°♒36'40	
opposition	-1774 Aug 26 j 11:43	17°♒08'08	-2°-26'-16
min. Earth dist.	-1774 Aug 26 j 12:24	17°♒08'00	8.23577 AU
	-1774 Sep 24 j 08:59	15°℞♒	
direct	-1774 Nov 01 j 06:38	13°♒44'35	
	-1774 Dec 08 j 09:08	15°♒	
evening set	-1773 Feb 10 j 08:23	21°♒33'58	
conjunction	-1773 Feb 27 j 18:00	23°♒47'46	-2°-5'-48
minimum elong	-1773 Feb 27 j 17:58	23°♒47'45	2°05'50
max. Earth dist.	-1773 Feb 27 j 18:32	23°♒47'57	10.17789 AU
morning rise	-1773 Mar 17 j 08:25	26°♒03'11	
	-1773 Apr 19 j 20:11	0°♓	
retrograde	-1773 Jul 02 j 22:57	4°♓22'01	
opposition	-1773 Sep 09 j 12:44	0°♓52'24	-2°-45'-9
min. Earth dist.	-1773 Sep 09 j 11:06	0°♓52'43	8.12620 AU
	-1773 Sep 20 j 10:09	30°℞♒	
direct	-1773 Nov 14 j 21:56	27°♒27'31	
	-1772 Jan 07 j 06:29	0°♓	
evening set	-1772 Feb 24 j 17:44	5°♓26'34	
conjunction	-1772 Mar 13 j 07:17	7°♓43'02	-2°-17'-9
minimum elong	-1772 Mar 13 j 07:16	7°♓43'01	2°17'10
max. Earth dist.	-1772 Mar 13 j 09:54	7°♓43'52	10.07663 AU
morning rise	-1772 Mar 31 j 01:20	10°♓00'58	
retrograde	-1772 Jul 16 j 18:54	18°♓26'53	
opposition	-1772 Sep 22 j 18:56	14°♓56'31	-2°-54'-41
min. Earth dist.	-1772 Sep 22 j 15:33	14°♓57'13	8.03602 AU
direct	-1772 Nov 27 j 21:53	11°♓30'21	
evening set	-1771 Mar 10 j 13:23	19°♓38'08	
conjunction	-1771 Mar 28 j 07:00	21°♓56'57	-2°-20'-27
minimum elong	-1771 Mar 28 j 07:01	21°♓56'58	2°20'28
max. Earth dist.	-1771 Mar 28 j 11:44	21°♓58'31	9.99848 AU
morning rise	-1771 Apr 15 j 04:34	24°♓17'03	
	-1771 Jun 04 j 14:20	0°♈	
retrograde	-1771 Jul 31 j 17:17	2°♈47'06	
	-1771 Sep 28 j 08:46	30°℞♓	
opposition	-1771 Oct 07 j 05:04	29°♓16'22	-2°-53'-38
min. Earth dist.	-1771 Oct 07 j 00:09	29°♓17'23	7.97204 AU
direct	-1771 Dec 12 j 05:16	25°♓48'59	
	-1770 Feb 19 j 22:43	0°♈	
evening set	-1770 Mar 25 j 16:54	4°♈03'37	
conjunction	-1770 Apr 12 j 14:29	6°♈24'20	-2°-15'-4
minimum elong	-1770 Apr 12 j 14:31	6°♈24'20	2°15'05
max. Earth dist.	-1770 Apr 12 j 21:31	6°♈26'39	9.94972 AU
morning rise	-1770 Apr 30 j 15:10	8°♈46'00	
retrograde	-1770 Aug 15 j 15:41	17°♈16'37	
opposition	-1770 Oct 21 j 17:08	13°♈45'55	-2°-41'-33
min. Earth dist.	-1770 Oct 21 j 10:48	13°♈47'14	7.93952 AU
direct	-1770 Dec 26 j 18:55	10°♈17'29	
evening set	-1769 Apr 10 j 01:34	18°♈36'30	
conjunction	-1769 Apr 28 j 02:40	20°♈58'24	-2°-1'-6
minimum elong	-1769 Apr 28 j 02:44	20°♈58'25	2°01'06
max. Earth dist.	-1769 Apr 28 j 11:47	21°♈01'24	9.93442 AU
morning rise	-1769 May 16 j 05:44	23°♈20'52	
	-1769 Jul 16 j 13:46	0°♉	
retrograde	-1769 Aug 30 j 11:18	1°♉48'22	
	-1769 Oct 14 j 22:03	30°℞♈	
opposition	-1769 Nov 05 j 04:47	28°♈18'06	-2°-19'-4
min. Earth dist.	-1769 Nov 04 j 21:13	28°♈19'40	7.94113 AU
direct	-1768 Jan 10 j 12:37	24°♈48'50	
	-1768 Mar 29 j 18:33	0°♉	
evening set	-1768 Apr 24 j 11:56	3°♉09'25	
conjunction	-1768 May 12 j 15:40	5°♉31'40	-1°-39'-26
minimum elong	-1768 May 12 j 15:44	5°♉31'41	1°39'26
max. Earth dist.	-1768 May 13 j 02:30	5°♉35'13	9.95376 AU
morning rise	-1768 May 30 j 19:57	7°♉54'02	
	-1768 Aug 07 j 02:01	15°♉	
retrograde	-1768 Sep 13 j 01:30	16°♉15'05	
	-1768 Oct 20 j 07:44	15°℞♉	
opposition	-1768 Nov 18 j 14:08	12°♉45'38	-1°-47'-51
min. Earth dist.	-1768 Nov 18 j 05:19	12°♉47'28	7.97669 AU
direct	-1767 Jan 24 j 07:53	9°♉15'53	
	-1767 Apr 18 j 20:53	15°♉	
evening set	-1767 May 09 j 20:27	17°♉35'10	
conjunction	-1767 May 28 j 01:24	19°♉56'48	-1°-11'-43
minimum elong	-1767 May 28 j 01:28	19°♉56'49	1°11'43
max. Earth dist.	-1767 May 28 j 13:29	20°♉00'45	10.00611 AU
morning rise	-1767 Jun 15 j 05:22	22°♉18'06	
	-1767 Sep 04 j 04:25	0°♊	
retrograde	-1767 Sep 27 j 08:11	0°♊30'10	
	-1767 Oct 20 j 14:25	30°℞♉	
opposition	-1767 Dec 02 j 19:15	27°♉01'52	-1°-10'-20
min. Earth dist.	-1767 Dec 02 j 09:39	27°♉03'52	8.04362 AU
direct	-1766 Feb 08 j 01:45	23°♉31'57	
	-1766 May 10 j 12:42	0°♊	
evening set	-1766 May 24 j 23:53	1°♊47'22	
conjunction	-1766 Jun 12 j 04:25	4°♊07'29	0°-40'-1

Attention, astronomical year style is used: The year -1766 in astronomical counting style is the year 1767 BCE in historical counting style.

minimum elong	-1766 Jun	12 j 04:27	4°♊07'29	0°40'01
max. Earth dist.	-1766 Jun	12 j 16:55	4°♊11'31	10.08770 AU
morning rise	-1766 Jun	30 j 06:32	6°♊26'48	
retrograde	-1766 Oct	11 j 06:23	14°♊28'15	
opposition	-1766 Dec	16 j 18:42	11°♊01'22	0°-29'-22
min. Earth dist.	-1766 Dec	16 j 09:09	11°♊03'19	8.13727 AU
direct	-1765 Feb	22 j 14:53	7°♊31'34	
evening set	-1765 Jun	08 j 19:37	15°♊41'05	
conjunction	-1765 Jun	26 j 22:03	17°♊58'53	0°-6'-38
minimum elong	-1765 Jun	26 j 22:04	17°♊58'53	0°06'37
behind sun begin	-1765 Jun	26 j 15:13	17°♊56'43	
behind sun end	-1765 Jun	27 j 04:54	18°♊01'03	
max. Earth dist.	-1765 Jun	27 j 09:58	18°♊02'41	10.19283 AU
morning rise	-1765 Jul	14 j 20:52	20°♊15'32	
asc. node	-1765 Sep	09 j 13:44	26°♊16'01	
retrograde	-1765 Oct	24 j 20:18	28°♊05'37	
opposition	-1765 Dec	30 j 11:40	24°♊40'18	0°12'13
min. Earth dist.	-1765 Dec	30 j 03:12	24°♊42'01	8.25140 AU
direct	-1764 Mar	07 j 22:37	21°♊10'58	
evening set	-1764 Jun	22 j 05:45	29°♊13'07	
	-1764 Jun	28 j 12:38	0°♋	
conjunction	-1764 Jul	10 j 04:31	1°♋27'59	0°26'27
minimum elong	-1764 Jul	10 j 04:29	1°♋27'59	0°26'29
max. Earth dist.	-1764 Jul	10 j 14:44	1°♋31'12	10.31470 AU
morning rise	-1764 Jul	27 j 22:51	3°♋41'28	
retrograde	-1764 Nov	05 j 23:59	11°♋20'17	
opposition	-1763 Jan	11 j 21:37	7°♋56'36	0°51'55
min. Earth dist.	-1763 Jan	11 j 14:51	7°♋57'57	8.37910 AU
direct	-1763 Mar	22 j 00:02	4°♋28'01	
evening set	-1763 Jul	06 j 04:58	12°♋21'54	
conjunction	-1763 Jul	23 j 22:56	14°♋33'30	0°57'15
minimum elong	-1763 Jul	23 j 22:54	14°♋33'29	0°57'16
max. Earth dist.	-1763 Jul	24 j 06:30	14°♋35'51	10.44633 AU
morning rise	-1763 Aug	10 j 12:07	16°♋43'35	
retrograde	-1763 Nov	18 j 17:24	24°♋11'49	
opposition	-1762 Jan	25 j 00:33	20°♋49'45	1°27'44
min. Earth dist.	-1762 Jan	24 j 19:10	20°♋50'48	8.51334 AU
direct	-1762 Apr	04 j 18:38	17°♋22'09	
evening set	-1762 Jul	19 j 16:37	25°♋07'23	
conjunction	-1762 Aug	06 j 05:19	27°♋15'37	1°24'24
minimum elong	-1762 Aug	06 j 05:15	27°♋15'36	1°24'25
max. Earth dist.	-1762 Aug	06 j 10:25	27°♋17'11	10.58083 AU
morning rise	-1762 Aug	23 j 13:03	29°♋22'19	
	-1762 Aug	28 j 19:31	0°♌	
retrograde	-1762 Dec	01 j 04:13	6°♌41'04	
opposition	-1761 Feb	06 j 20:41	3°♌20'30	1°58'13
min. Earth dist.	-1761 Feb	06 j 16:29	3°♌21'19	8.64721 AU
	-1761 Apr	07 j 07:39	30°℞♋	
direct	-1761 Apr	18 j 04:03	29°♋54'07	
	-1761 Apr	28 j 23:30	0°♌	
evening set	-1761 Aug	01 j 17:11	7°♌30'44	
conjunction	-1761 Aug	19 j 00:31	9°♌35'45	1°46'54
minimum elong	-1761 Aug	19 j 00:28	9°♌35'44	1°46'55
max. Earth dist.	-1761 Aug	19 j 03:43	9°♌36'43	10.71162 AU
morning rise	-1761 Sep	05 j 02:45	11°♌39'14	
	-1761 Oct	05 j 06:47	15°♌	
retrograde	-1761 Dec	13 j 08:13	18°♌49'50	
opposition	-1760 Feb	19 j 10:43	15°♌30'38	2°22'25
min. Earth dist.	-1760 Feb	19 j 08:00	15°♌31'09	8.77443 AU
	-1760 Feb	26 j 03:03	15°℞♌	
direct	-1760 Apr	30 j 04:51	12°♌05'35	
	-1760 Jun	30 j 20:50	15°♌	
evening set	-1760 Aug	13 j 07:13	19°♌33'58	
conjunction	-1760 Aug	30 j 09:24	21°♌36'03	2°04'06
minimum elong	-1760 Aug	30 j 09:22	21°♌36'02	2°04'08
max. Earth dist.	-1760 Aug	30 j 11:01	21°♌36'32	10.83296 AU
morning rise	-1760 Sep	16 j 06:35	23°♌36'41	
	-1760 Nov	26 j 05:08	0°♍	
retrograde	-1760 Dec	24 j 06:46	0°♍40'36	
	-1759 Jan	21 j 17:57	30°℞♌	
opposition	-1759 Mar	02 j 19:44	27°♌22'34	2°39'50
min. Earth dist.	-1759 Mar	02 j 19:22	27°♌22'38	8.88969 AU
direct	-1759 May	12 j 22:19	23°♌58'54	
	-1759 Aug	13 j 19:58	0°♍	
evening set	-1759 Aug	25 j 11:37	1°♍19'40	
conjunction	-1759 Sep	11 j 09:05	3°♍19'12	2°15'42
minimum elong	-1759 Sep	11 j 09:03	3°♍19'11	2°15'43
max. Earth dist.	-1759 Sep	11 j 08:03	3°♍18'54	10.93996 AU
morning rise	-1759 Sep	28 j 02:05	5°♍17'28	
retrograde	-1758 Jan	05 j 00:36	12°♍16'12	
opposition	-1758 Mar	15 j 00:23	8°♍59'05	2°50'15
min. Earth dist.	-1758 Mar	15 j 02:29	8°♍58'42	8.98840 AU
direct	-1758 May	25 j 08:16	5°♍36'44	
evening set	-1758 Sep	06 j 07:53	12°♍50'45	
conjunction	-1758 Sep	23 j 01:22	14°♍48'14	2°21'34
minimum elong	-1758 Sep	23 j 01:21	14°♍48'14	2°21'34
max. Earth dist.	-1758 Sep	22 j 21:25	14°♍47'04	11.02857 AU
morning rise	-1758 Oct	09 j 15:12	16°♍44'39	
retrograde	-1757 Jan	16 j 13:55	23°♍39'44	
opposition	-1757 Mar	27 j 01:29	20°♍23'15	2°53'46
min. Earth dist.	-1757 Mar	27 j 05:18	20°♍22'32	9.06684 AU
direct	-1757 Jun	06 j 14:04	17°♍02'07	
evening set	-1757 Sep	17 j 21:18	24°♍10'22	
conjunction	-1757 Oct	04 j 11:51	26°♍06'19	2°21'48
minimum elong	-1757 Oct	04 j 11:51	26°♍06'20	2°21'47
max. Earth dist.	-1757 Oct	04 j 06:16	26°♍04'41	11.09562 AU
morning rise	-1757 Oct	20 j 23:19	28°♍01'25	
	-1757 Nov	07 j 18:56	0°♎	
retrograde	-1756 Jan	28 j 04:38	4°♎54'26	
opposition	-1756 Apr	07 j 00:28	1°♎38'16	2°50'33
min. Earth dist.	-1756 Apr	07 j 05:15	1°♎37'23	9.12219 AU
	-1756 Apr	30 j 06:55	30°℞♍	
direct	-1756 Jun	17 j 15:02	28°♍18'15	
	-1756 Aug	03 j 11:47	0°♎	
evening set	-1756 Sep	28 j 05:20	5°♎21'46	
conjunction	-1756 Oct	14 j 17:54	7°♎16'45	2°16'36
minimum elong	-1756 Oct	14 j 17:56	7°♎16'46	2°16'35
max. Earth dist.	-1756 Oct	14 j 11:25	7°♎14'51	11.13870 AU
morning rise	-1756 Oct	31 j 03:58	9°♎11'06	
retrograde	-1755 Feb	07 j 17:22	16°♎03'34	
opposition	-1755 Apr	18 j 22:17	12°♎47'25	2°40'58
min. Earth dist.	-1755 Apr	19 j 04:39	12°♎46'15	9.15255 AU
direct	-1755 Jun	29 j 09:25	9°♎28'18	
evening set	-1755 Oct	09 j 10:01	16°♎28'20	
conjunction	-1755 Oct	25 j 21:23	18°♎22'52	2°06'17
minimum elong	-1755 Oct	25 j 21:25	18°♎22'53	2°06'16
max. Earth dist.	-1755 Oct	25 j 12:55	18°♎20'24	11.15627 AU
morning rise	-1755 Nov	11 j 07:11	20°♎17'02	
retrograde	-1754 Feb	19 j 07:20	27°♎10'29	
opposition	-1754 Apr	30 j 19:44	23°♎54'03	2°25'25
min. Earth dist.	-1754 May	01 j 04:14	23°♎52'30	9.15669 AU
direct	-1754 Jul	11 j 03:37	20°♎35'34	
evening set	-1754 Oct	20 j 12:51	27°♎33'29	

Attention, astronomical year style is used: The year -1754 in astronomical counting style is the year 1755 BCE in historical counting style.

conjunction	-1754 Nov 05 j 23:51	29°♎28'07	1°51'14
minimum elong	-1754 Nov 05 j 23:53	29°♎28'08	1°51'13
max. Earth dist.	-1754 Nov 05 j 13:12	29°♎25'00	11.14736 AU
	-1754 Nov 10 j 12:58	0°♏	
morning rise	-1754 Nov 22 j 10:21	1°♏22'38	
retrograde	-1753 Mar 02 j 23:29	8°♏18'39	
opposition	-1753 May 12 j 18:12	5°♏01'37	2°04'26
min. Earth dist.	-1753 May 13 j 03:52	4°♏59'51	9.13388 AU
direct	-1753 Jul 22 j 19:51	1°♏43'34	
evening set	-1753 Oct 31 j 15:30	8°♏40'49	
conjunction	-1753 Nov 17 j 03:04	10°♏36'02	1°31'56
minimum elong	-1753 Nov 17 j 03:07	10°♏36'03	1°31'55
max. Earth dist.	-1753 Nov 16 j 15:55	10°♏32'46	11.11152 AU
morning rise	-1753 Dec 03 j 14:54	12°♏31'25	
	-1753 Dec 26 j 04:35	15°♏	
retrograde	-1752 Mar 13 j 20:13	19°♏31'45	
opposition	-1752 May 23 j 18:46	16°♏13'49	1°38'36
min. Earth dist.	-1752 May 24 j 04:36	16°♏12'01	9.08426 AU
	-1752 Jun 09 j 23:04	15°℞♏	
direct	-1752 Aug 02 j 12:50	12°♏55'55	
	-1752 Sep 22 j 18:11	15°♏	
evening set	-1752 Nov 10 j 20:09	19°♏54'06	
conjunction	-1752 Nov 27 j 08:59	21°♏50'26	1°08'55
minimum elong	-1752 Nov 27 j 09:01	21°♏50'27	1°08'54
max. Earth dist.	-1752 Nov 26 j 21:40	21°♏47'06	11.04963 AU
morning rise	-1752 Dec 13 j 22:47	23°♏47'09	
	-1751 Feb 20 j 14:20	0°♐	
retrograde	-1751 Mar 25 j 23:41	0°♐53'22	
	-1751 Apr 28 j 22:40	30°℞♏	
opposition	-1751 Jun 04 j 22:29	27°♏34'20	1°08'36
min. Earth dist.	-1751 Jun 05 j 08:22	27°♏32'30	9.00974 AU
direct	-1751 Aug 14 j 05:45	24°♏16'20	
	-1751 Nov 10 j 22:55	0°♐	
evening set	-1751 Nov 22 j 04:40	1°♐17'01	
conjunction	-1751 Dec 08 j 19:09	3°♐14'53	0°42'54
minimum elong	-1751 Dec 08 j 19:11	3°♐14'53	0°42'52
max. Earth dist.	-1751 Dec 08 j 06:55	3°♐11'15	10.96430 AU
morning rise	-1751 Dec 25 j 11:38	5°♐13'25	
retrograde	-1750 Apr 07 j 07:37	12°♐27'01	
opposition	-1750 Jun 17 j 06:37	9°♐06'37	0°35'17
min. Earth dist.	-1750 Jun 17 j 16:54	9°♐04'42	8.91349 AU
direct	-1750 Aug 26 j 00:48	5°♐48'12	
evening set	-1750 Dec 03 j 18:45	12°♐53'02	
conjunction	-1750 Dec 20 j 11:18	14°♐52'47	0°14'41
minimum elong	-1750 Dec 20 j 11:19	14°♐52'47	0°14'38
behind sun begin	-1750 Dec 20 j 08:11	14°♐51'51	
behind sun end	-1750 Dec 20 j 14:27	14°♐53'43	
max. Earth dist.	-1750 Dec 19 j 23:05	14°♐49'07	10.85907 AU
morning rise	-1749 Jan 06 j 06:52	16°♐53'28	
retrograde	-1749 Apr 19 j 23:21	24°♐15'53	
desc. node	-1749 Jun 26 j 22:47	21°♐06'55	
opposition	-1749 Jun 29 j 19:57	20°♐53'55	0°00'-16
min. Earth dist.	-1749 Jun 30 j 05:50	20°♐52'03	8.79957 AU
direct	-1749 Sep 07 j 02:18	17°♐34'49	
evening set	-1749 Dec 15 j 16:11	24°♐45'18	
conjunction	-1748 Jan 01 j 11:20	26°♐47'18	0°-14'-49
minimum elong	-1748 Jan 01 j 11:20	26°♐47'17	0°14'52
behind sun begin	-1748 Jan 01 j 08:26	26°♐46'25	
behind sun end	-1748 Jan 01 j 14:13	26°♐48'10	
max. Earth dist.	-1748 Jan 01 j 00:41	26°♐44'03	10.73821 AU
morning rise	-1748 Jan 18 j 10:07	28°♐50'26	
	-1748 Jan 28 j 07:02	0°♑	
retrograde	-1748 May 02 j 00:08	6°♑22'51	
opposition	-1748 Jul 11 j 15:13	2°♑59'10	0°-36'-48
min. Earth dist.	-1748 Jul 11 j 23:32	2°♑57'35	8.67269 AU
	-1748 Aug 29 j 04:19	30°℞♐	
direct	-1748 Sep 18 j 07:48	29°♐39'10	
	-1748 Oct 08 j 04:53	0°♑	
evening set	-1748 Dec 26 j 22:38	6°♑56'48	
conjunction	-1747 Jan 12 j 20:42	9°♑01'17	0°-44'-18
minimum elong	-1747 Jan 12 j 20:40	9°♑01'16	0°44'21
max. Earth dist.	-1747 Jan 12 j 12:14	8°♑58'40	10.60670 AU
morning rise	-1747 Jan 29 j 22:50	11°♑07'07	
retrograde	-1747 May 15 j 09:54	18°♑50'23	
opposition	-1747 Jul 24 j 17:04	15°♑24'58	-1°-12'-45
min. Earth dist.	-1747 Jul 24 j 23:07	15°♑23'48	8.53817 AU
direct	-1747 Sep 30 j 19:38	12°♑03'54	
evening set	-1746 Jan 08 j 15:42	19°♑29'59	
conjunction	-1746 Jan 25 j 16:43	21°♑37'10	-1°-12'-28
minimum elong	-1746 Jan 25 j 16:41	21°♑37'09	1°12'31
max. Earth dist.	-1746 Jan 25 j 09:51	21°♑35'01	10.47024 AU
morning rise	-1746 Feb 11 j 22:23	23°♑45'50	
	-1746 Apr 14 j 00:46	0°♒	
retrograde	-1746 May 29 j 05:13	1°♒40'23	
	-1746 Jul 14 j 05:24	30°℞♑	
opposition	-1746 Aug 07 j 01:53	28°♑13'18	-1°-46'-18
min. Earth dist.	-1746 Aug 07 j 06:03	28°♑12'29	8.40208 AU
direct	-1746 Oct 13 j 14:28	24°♑51'00	
	-1745 Jan 01 j 09:32	0°♒	
evening set	-1745 Jan 21 j 20:15	2°♒26'35	
conjunction	-1745 Feb 08 j 00:30	4°♒36'33	-1°-37'-46
minimum elong	-1745 Feb 08 j 00:27	4°♒36'32	1°37'48
max. Earth dist.	-1745 Feb 07 j 19:28	4°♒34'57	10.33542 AU
morning rise	-1745 Feb 25 j 09:50	6°♒48'09	
retrograde	-1745 Jun 12 j 09:33	14°♒53'46	
opposition	-1745 Aug 20 j 17:56	11°♒25'11	-2°-15'-24
min. Earth dist.	-1745 Aug 20 j 20:17	11°♒24'43	8.27123 AU
direct	-1745 Oct 26 j 17:16	8°♒01'32	
	-1744 Jan 29 j 05:24	15°♒	
evening set	-1744 Feb 04 j 12:47	15°♒47'11	
conjunction	-1744 Feb 21 j 20:38	17°♒59'59	-1°-58'-30
minimum elong	-1744 Feb 21 j 20:35	17°♒59'58	1°58'32
max. Earth dist.	-1744 Feb 21 j 18:06	17°♒59'10	10.20917 AU
morning rise	-1744 Mar 10 j 09:41	20°♒14'26	
retrograde	-1744 Jun 25 j 20:31	28°♒30'08	
opposition	-1744 Sep 02 j 16:39	25°♒00'18	-2°-37'-55
min. Earth dist.	-1744 Sep 02 j 17:06	25°♒00'13	8.15251 AU
direct	-1744 Nov 08 j 06:15	21°♒35'17	
evening set	-1743 Feb 17 j 17:21	29°♒30'57	
	-1743 Feb 21 j 12:17	0°♓	
conjunction	-1743 Mar 07 j 05:08	1°♓46'30	-2°-13'-4
minimum elong	-1743 Mar 07 j 05:07	1°♓46'29	2°13'06
max. Earth dist.	-1743 Mar 07 j 05:56	1°♓46'45	10.09850 AU
morning rise	-1743 Mar 24 j 21:47	4°♓03'37	
retrograde	-1743 Jul 10 j 13:31	12°♓27'31	
opposition	-1743 Sep 16 j 21:01	8°♓56'45	-2°-51'-50
min. Earth dist.	-1743 Sep 16 j 19:03	8°♓57'09	8.05278 AU
direct	-1743 Nov 22 j 03:41	5°♓30'26	
evening set	-1742 Mar 04 j 08:50	13°♓35'19	
conjunction	-1742 Mar 22 j 00:45	15°♓53'23	-2°-20'-4
minimum elong	-1742 Mar 22 j 00:45	15°♓53'23	2°20'05
max. Earth dist.	-1742 Mar 22 j 05:11	15°♓54'50	10.01024 AU
morning rise	-1742 Apr 08 j 20:53	18°♓12'50	

Attention, astronomical year style is used: The year -1742 in astronomical counting style is the year 1743 BCE in historical counting style.

retrograde	-1742 Jul 25 j 11:00	26°♓42'15	
opposition	-1742 Oct 01 j 06:01	23°♓10'56	-2°-55'-35
min. Earth dist.	-1742 Oct 01 j 01:17	23°♓11'55	7.97838 AU
direct	-1742 Dec 06 j 08:02	19°♓43'28	
evening set	-1741 Mar 19 j 09:17	27°♓55'58	
	-1741 Apr 04 j 04:24	0°♈	
conjunction	-1741 Apr 06 j 05:21	0°♈16'09	-2°-18'-33
minimum elong	-1741 Apr 06 j 05:23	0°♈16'09	2°18'34
max. Earth dist.	-1741 Apr 06 j 13:09	0°♈18'43	9.95036 AU
morning rise	-1741 Apr 24 j 04:44	2°♈37'25	
retrograde	-1741 Aug 09 j 10:50	11°♈08'58	
opposition	-1741 Oct 15 j 17:46	7°♈37'35	-2°-48'-19
min. Earth dist.	-1741 Oct 15 j 10:41	7°♈39'04	7.93438 AU
direct	-1741 Dec 20 j 18:27	4°♈09'06	
evening set	-1740 Apr 02 j 16:28	12°♈27'04	
conjunction	-1740 Apr 20 j 16:20	14°♈48'45	-2°-8'-17
minimum elong	-1740 Apr 20 j 16:23	14°♈48'46	2°08'17
max. Earth dist.	-1740 Apr 21 j 02:48	14°♈52'13	9.92310 AU
morning rise	-1740 May 08 j 18:24	17°♈11'10	
retrograde	-1740 Aug 23 j 09:35	25°♈41'07	
opposition	-1740 Oct 29 j 06:08	22°♈10'09	-2°-30'-12
min. Earth dist.	-1740 Oct 28 j 21:23	22°♈11'59	7.92402 AU
direct	-1739 Jan 03 j 10:23	18°♈40'55	
evening set	-1739 Apr 18 j 02:56	27°♈01'42	
conjunction	-1739 May 06 j 05:47	29°♈24'04	-1°-49'-48
minimum elong	-1739 May 06 j 05:51	29°♈24'06	1°49'49
max. Earth dist.	-1739 May 06 j 18:04	29°♈28'07	9.93058 AU
	-1739 May 10 j 18:47	0°♉	
morning rise	-1739 May 24 j 09:37	1°♉46'45	
retrograde	-1739 Sep 07 j 03:31	10°♉11'38	
opposition	-1739 Nov 12 j 17:16	6°♉41'33	-2°-2'-29
min. Earth dist.	-1739 Nov 12 j 07:43	6°♉43'32	7.94832 AU
direct	-1738 Jan 18 j 05:08	3°♉11'52	
evening set	-1738 May 03 j 13:00	11°♉32'33	
conjunction	-1738 May 21 j 17:37	13°♉54'42	-1°-24'-27
minimum elong	-1738 May 21 j 17:41	13°♉54'44	1°24'27
max. Earth dist.	-1738 May 22 j 06:44	13°♉59'00	9.97247 AU
	-1738 May 30 j 01:04	15°♉	
morning rise	-1738 Jun 08 j 21:56	16°♉16'44	
retrograde	-1738 Sep 21 j 14:31	24°♉33'36	
opposition	-1738 Nov 27 j 01:03	21°♉04'46	-1°-27'-18
min. Earth dist.	-1738 Nov 26 j 15:17	21°♉06'48	8.00581 AU
direct	-1737 Feb 02 j 00:08	17°♉34'58	
evening set	-1737 May 18 j 19:42	25°♉52'52	
conjunction	-1737 Jun 06 j 00:33	28°♉13'51	0°-54'-9
minimum elong	-1737 Jun 06 j 00:36	28°♉13'52	0°54'09
max. Earth dist.	-1737 Jun 06 j 13:36	28°♉18'05	10.04588 AU
	-1737 Jun 19 j 16:35	0°♊	
morning rise	-1737 Jun 24 j 03:49	0°♊34'16	
retrograde	-1737 Oct 05 j 16:49	8°♊41'00	
opposition	-1737 Dec 11 j 03:38	5°♊13'43	0°-47'-23
min. Earth dist.	-1737 Dec 10 j 17:56	5°♊15'42	8.09259 AU
direct	-1736 Feb 16 j 16:12	1°♊44'05	
evening set	-1736 Jun 01 j 19:52	9°♊56'52	
conjunction	-1736 Jun 19 j 23:17	12°♊15'49	0°-21'-9
minimum elong	-1736 Jun 19 j 23:18	12°♊15'49	0°21'09
max. Earth dist.	-1736 Jun 20 j 11:38	12°♊19'46	10.14570 AU
morning rise	-1736 Jul 07 j 23:54	14°♊33'47	
retrograde	-1736 Oct 18 j 10:48	22°♊29'16	
opposition	-1736 Dec 24 j 00:06	19°♊03'38	0°-5'-40
min. Earth dist.	-1736 Dec 23 j 14:36	19°♊05'34	8.20285 AU
asc. node	-1735 Feb 13 j 16:49	15°♊48'59	
direct	-1735 Mar 02 j 03:52	15°♊34'31	
evening set	-1735 Jun 16 j 10:53	23°♊40'20	
conjunction	-1735 Jul 04 j 11:20	25°♊56'32	0°12'23
minimum elong	-1735 Jul 04 j 11:19	25°♊56'32	0°12'24
behind sun begin	-1735 Jul 04 j 06:38	25°♊55'04	
behind sun end	-1735 Jul 04 j 16:00	25°♊58'00	
max. Earth dist.	-1735 Jul 04 j 22:38	26°♊00'07	10.26531 AU
morning rise	-1735 Jul 22 j 07:53	28°♊11'28	
	-1735 Aug 06 j 06:39	0°♋	
retrograde	-1735 Oct 31 j 18:46	5°♋55'24	
opposition	-1734 Jan 06 j 13:34	2°♋31'29	0°35'09
min. Earth dist.	-1734 Jan 06 j 04:35	2°♋33'17	8.32943 AU
	-1734 Feb 10 j 21:52	30°℞♊	
direct	-1734 Mar 16 j 09:16	29°♊03'06	
	-1734 Apr 18 j 17:13	0°♋	
evening set	-1734 Jun 30 j 15:23	7°♋00'45	
conjunction	-1734 Jul 18 j 11:39	9°♋13'46	0°44'21
minimum elong	-1734 Jul 18 j 11:36	9°♋13'45	0°44'22
max. Earth dist.	-1734 Jul 18 j 21:34	9°♋16'52	10.39706 AU
morning rise	-1734 Aug 05 j 03:09	11°♋25'19	
retrograde	-1734 Nov 13 j 17:30	18°♋58'07	
opposition	-1733 Jan 19 j 19:41	15°♋35'52	1°12'52
min. Earth dist.	-1733 Jan 19 j 12:30	15°♋37'17	8.46437 AU
direct	-1733 Mar 30 j 06:39	12°♋08'24	
evening set	-1733 Jul 14 j 08:36	19°♋57'23	
conjunction	-1733 Jul 31 j 23:47	22°♋07'01	1°13'13
minimum elong	-1733 Jul 31 j 23:44	22°♋07'00	1°13'14
max. Earth dist.	-1733 Aug 01 j 07:12	22°♋09'18	10.53275 AU
morning rise	-1733 Aug 18 j 09:45	24°♋15'06	
	-1733 Oct 14 j 00:38	0°♌	
retrograde	-1733 Nov 26 j 08:54	1°♌37'49	
	-1732 Jan 09 j 17:52	30°℞♋	
opposition	-1732 Feb 01 j 19:02	28°♋17'08	1°45'47
min. Earth dist.	-1732 Feb 01 j 14:30	28°♋18'01	8.59955 AU
direct	-1732 Apr 11 j 18:46	24°♋50'45	
	-1732 Jul 04 j 14:08	0°♌	
evening set	-1732 Jul 26 j 14:23	2°♌31'04	
conjunction	-1732 Aug 13 j 00:01	4°♌37'25	1°37'49
minimum elong	-1732 Aug 12 j 23:58	4°♌37'24	1°37'50
max. Earth dist.	-1732 Aug 13 j 04:00	4°♌38'37	10.66488 AU
morning rise	-1732 Aug 30 j 04:29	6°♌42'12	
retrograde	-1732 Dec 07 j 15:03	13°♌56'13	
opposition	-1731 Feb 13 j 12:04	10°♌36'56	2°12'46
min. Earth dist.	-1731 Feb 13 j 10:12	10°♌37'18	8.72834 AU
direct	-1731 Apr 25 j 00:02	7°♌11'45	
evening set	-1731 Aug 08 j 09:19	14°♌43'46	
	-1731 Aug 10 j 16:17	15°♌	
conjunction	-1731 Aug 25 j 13:32	16°♌47'03	1°57'21
minimum elong	-1731 Aug 25 j 13:29	16°♌47'02	1°57'22
max. Earth dist.	-1731 Aug 25 j 14:03	16°♌47'12	10.78799 AU
morning rise	-1731 Sep 11 j 12:56	18°♌48'53	
retrograde	-1731 Dec 19 j 14:45	25°♌55'40	
opposition	-1730 Feb 25 j 23:24	22°♌37'32	2°33'08
min. Earth dist.	-1730 Feb 25 j 23:19	22°♌37'33	8.84584 AU
direct	-1730 May 07 j 22:34	19°♌13'33	
evening set	-1730 Aug 20 j 18:09	26°♌37'46	
conjunction	-1730 Sep 06 j 17:34	28°♌38'22	2°11'22
minimum elong	-1730 Sep 06 j 17:32	28°♌38'22	2°11'24
max. Earth dist.	-1730 Sep 06 j 15:48	28°♌37'51	10.89771 AU
	-1730 Sep 18 j 04:10	0°♍	

Attention, astronomical year style is used: The year -1730 in astronomical counting style is the year 1731 BCE in historical counting style.

morning rise	-1730 Sep 23 j 12:26	0°♍37'39	
retrograde	-1730 Dec 31 j 11:50	7°♍38'41	
opposition	-1729 Mar 10 j 06:04	4°♍21'23	2°46'35
min. Earth dist.	-1729 Mar 10 j 07:30	4°♍21'07	8.94774 AU
direct	-1729 May 20 j 12:52	0°♍58'36	
evening set	-1729 Sep 01 j 18:09	8°♍15'43	
conjunction	-1729 Sep 18 j 13:26	10°♍14'06	2°19'41
minimum elong	-1729 Sep 18 j 13:24	10°♍14'06	2°19'42
max. Earth dist.	-1729 Sep 18 j 10:08	10°♍13'08	10.99004 AU
morning rise	-1729 Oct 05 j 04:27	12°♍11'18	
retrograde	-1728 Jan 12 j 03:36	19°♍08'05	
opposition	-1728 Mar 21 j 09:00	15°♍51'20	2°53'03
min. Earth dist.	-1728 Mar 21 j 12:29	15°♍50'42	9.03048 AU
direct	-1728 May 31 j 19:50	12°♍29'38	
evening set	-1728 Sep 12 j 10:41	19°♍40'33	
conjunction	-1728 Sep 29 j 02:32	21°♍37'12	2°22'19
minimum elong	-1728 Sep 29 j 02:32	21°♍37'12	2°22'19
max. Earth dist.	-1728 Sep 28 j 21:06	21°♍35'36	11.06191 AU
morning rise	-1728 Oct 15 j 14:51	23°♍32'53	
	-1728 Dec 30 j 12:32	0°♎	
retrograde	-1727 Jan 22 j 17:31	0°♎26'56	
	-1727 Feb 15 j 05:08	30°℞♍	
opposition	-1727 Apr 02 j 09:13	27°♍10'27	2°52'41
min. Earth dist.	-1727 Apr 02 j 15:10	27°♍09'21	9.09139 AU
direct	-1727 Jun 12 j 22:30	23°♍49'40	
	-1727 Sep 15 j 16:46	0°♎	
evening set	-1727 Sep 23 j 21:03	0°♎55'26	
conjunction	-1727 Oct 10 j 10:22	2°♎50'54	2°19'24
minimum elong	-1727 Oct 10 j 10:23	2°♎50'54	2°19'23
max. Earth dist.	-1727 Oct 10 j 02:18	2°♎48'32	11.11101 AU
morning rise	-1727 Oct 26 j 21:07	4°♎45'38	
retrograde	-1726 Feb 03 j 05:12	11°♎38'29	
opposition	-1726 Apr 14 j 07:30	8°♎21'58	2°45'47
min. Earth dist.	-1726 Apr 14 j 14:55	8°♎20'36	9.12840 AU
direct	-1726 Jun 24 j 20:25	5°♎01'59	
evening set	-1726 Oct 05 j 03:05	12°♎03'47	
conjunction	-1726 Oct 21 j 14:55	13°♎58'36	2°11'13
minimum elong	-1726 Oct 21 j 14:56	13°♎58'36	2°11'12
max. Earth dist.	-1726 Oct 21 j 05:45	13°♎55'55	11.13570 AU
morning rise	-1726 Nov 07 j 00:55	15°♎52'56	
retrograde	-1725 Feb 14 j 19:08	22°♎46'11	
opposition	-1725 Apr 26 j 05:00	19°♎29'20	2°32'43
min. Earth dist.	-1725 Apr 26 j 12:59	19°♎27'52	9.14029 AU
direct	-1725 Jul 06 j 16:41	16°♎10'00	
evening set	-1725 Oct 16 j 06:30	23°♎09'09	
conjunction	-1725 Nov 01 j 17:48	25°♎03'52	1°58'08
minimum elong	-1725 Nov 01 j 17:50	25°♎03'53	1°58'06
max. Earth dist.	-1725 Nov 01 j 08:20	25°♎01'06	11.13522 AU
morning rise	-1725 Nov 18 j 03:53	26°♎58'20	
	-1725 Dec 16 j 07:55	0°♏	
retrograde	-1724 Feb 26 j 11:20	3°♏53'33	
opposition	-1724 May 07 j 03:09	0°♏36'10	2°13'58
min. Earth dist.	-1724 May 07 j 11:44	0°♏34'36	9.12681 AU
	-1724 May 15 j 09:31	30°℞♎	
direct	-1724 Jul 17 j 08:30	27°♎17'20	
	-1724 Sep 14 j 22:22	0°♏	
evening set	-1724 Oct 26 j 09:06	4°♏15'11	
conjunction	-1724 Nov 11 j 20:30	6°♏10'18	1°40'33
minimum elong	-1724 Nov 11 j 20:33	6°♏10'19	1°40'32
max. Earth dist.	-1724 Nov 11 j 09:49	6°♏07'10	11.10964 AU
morning rise	-1724 Nov 28 j 07:42	8°♏05'26	

	-1723 Feb 27 j 21:47	15°♏	
retrograde	-1723 Mar 09 j 05:39	15°♏04'14	
	-1723 Mar 18 j 14:50	15°℞♏	
opposition	-1723 May 19 j 02:55	11°♏46'06	1°50'05
min. Earth dist.	-1723 May 19 j 12:41	11°♏44'18	9.08844 AU
direct	-1723 Jul 28 j 23:58	8°♏27'31	
	-1723 Nov 02 j 19:26	15°♏	
evening set	-1723 Nov 06 j 12:56	15°♏25'39	
conjunction	-1723 Nov 23 j 01:08	17°♏21'38	1°19'01
minimum elong	-1723 Nov 23 j 01:10	17°♏21'39	1°19'00
max. Earth dist.	-1723 Nov 22 j 13:19	17°♏18'09	11.05975 AU
morning rise	-1723 Dec 09 j 14:14	19°♏17'55	
retrograde	-1722 Mar 21 j 05:04	26°♏21'51	
opposition	-1722 May 31 j 05:09	23°♏02'45	1°21'42
min. Earth dist.	-1722 May 31 j 15:26	23°♏00'51	9.02638 AU
direct	-1722 Aug 09 j 17:16	19°♏44'14	
evening set	-1722 Nov 17 j 19:36	26°♏44'10	
conjunction	-1722 Dec 04 j 09:21	28°♏41'29	0°54'10
minimum elong	-1722 Dec 04 j 09:23	28°♏41'29	0°54'08
max. Earth dist.	-1722 Dec 03 j 22:01	28°♏38'07	10.98707 AU
	-1722 Dec 15 j 10:19	0°♐	
morning rise	-1722 Dec 21 j 00:45	0°♐39'21	
retrograde	-1721 Apr 02 j 10:29	7°♐50'01	
opposition	-1721 Jun 12 j 11:23	4°♐29'43	0°49'39
min. Earth dist.	-1721 Jun 12 j 20:47	4°♐27'59	8.94268 AU
direct	-1721 Aug 21 j 12:23	1°♐11'05	
evening set	-1721 Nov 29 j 07:01	8°♐14'23	
conjunction	-1721 Dec 15 j 22:49	10°♐13'25	0°26'45
minimum elong	-1721 Dec 15 j 22:50	10°♐13'25	0°26'42
max. Earth dist.	-1721 Dec 15 j 12:36	10°♐10'22	10.89400 AU
morning rise	-1720 Jan 01 j 16:56	12°♐13'15	
retrograde	-1720 Apr 14 j 01:01	19°♐32'07	
opposition	-1720 Jun 23 j 22:31	16°♐10'30	0°14'52
min. Earth dist.	-1720 Jun 24 j 06:44	16°♐08'57	8.84031 AU
direct	-1720 Sep 01 j 11:00	12°♐51'30	
desc. node	-1720 Nov 26 j 15:08	18°♐26'27	
evening set	-1720 Dec 10 j 01:21	19°♐59'44	
conjunction	-1720 Dec 26 j 19:25	22°♐00'49	0°-2'-25
minimum elong	-1720 Dec 26 j 19:25	22°♐00'50	0°02'27
behind sun begin	-1720 Dec 26 j 12:24	21°♐58'43	
behind sun end	-1720 Dec 27 j 02:26	22°♐02'56	
max. Earth dist.	-1720 Dec 26 j 09:36	21°♐57'52	10.78399 AU
morning rise	-1719 Jan 12 j 16:45	24°♐02'59	
	-1719 Mar 14 j 07:04	0°♑	
retrograde	-1719 Apr 26 j 22:50	1°♑31'15	
	-1719 Jun 10 j 13:34	30°℞♐	
opposition	-1719 Jul 06 j 15:15	28°♐08'14	0°-21'-27
min. Earth dist.	-1719 Jul 06 j 22:45	28°♐06'49	8.72327 AU
direct	-1719 Sep 13 j 12:06	24°♐48'38	
	-1719 Dec 04 j 11:17	0°♑	
evening set	-1719 Dec 22 j 04:05	2°♑03'22	
conjunction	-1718 Jan 08 j 00:44	4°♑06'48	0°-32'-1
minimum elong	-1718 Jan 08 j 00:43	4°♑06'48	0°32'03
max. Earth dist.	-1718 Jan 07 j 15:32	4°♑03'59	10.66145 AU
morning rise	-1718 Jan 25 j 01:31	6°♑11'31	
retrograde	-1718 May 10 j 03:51	13°♑50'16	
opposition	-1718 Jul 19 j 14:35	10°♑25'45	0°-57'-51
min. Earth dist.	-1718 Jul 19 j 21:12	10°♑24'29	8.59642 AU
direct	-1718 Sep 25 j 22:02	7°♑05'21	
evening set	-1717 Jan 03 j 16:36	14°♑27'56	
conjunction	-1717 Jan 20 j 16:12	16°♑33'57	-1°00'-55

Attention, astronomical year style is used: The year -1717 in astronomical counting style is the year 1718 BCE in historical counting style.

minimum elong	-1717 Jan 20 j 16:10	16°♑33'56	1°00'57
max. Earth dist.	-1717 Jan 20 j 09:11	16°♑31'46	10.53158 AU
morning rise	-1717 Feb 06 j 20:26	18°♑41'24	
retrograde	-1717 May 23 j 18:58	26°♑31'15	
opposition	-1717 Aug 01 j 20:51	23°♑05'14	-1°-32'-38
min. Earth dist.	-1717 Aug 02 j 01:36	23°♑04'19	8.46545 AU
direct	-1717 Oct 08 j 15:09	19°♑43'52	
evening set	-1716 Jan 16 j 16:23	27°♑15'22	
conjunction	-1716 Feb 02 j 19:16	29°♑24'06	-1°-27'-35
minimum elong	-1716 Feb 02 j 19:13	29°♑24'05	1°27'37
max. Earth dist.	-1716 Feb 02 j 15:11	29°♑22'49	10.40040 AU
	-1716 Feb 07 j 13:00	0°♒	
morning rise	-1716 Feb 20 j 02:57	1°♒34'24	
retrograde	-1716 Jun 05 j 20:12	9°♒35'20	
opposition	-1716 Aug 14 j 10:00	6°♒07'53	-2°-3'-48
min. Earth dist.	-1716 Aug 14 j 12:14	6°♒07'27	8.33659 AU
direct	-1716 Oct 20 j 14:36	2°♒45'23	
evening set	-1715 Jan 29 j 04:07	10°♒26'33	
conjunction	-1715 Feb 15 j 10:28	12°♒38'02	-1°-50'-24
minimum elong	-1715 Feb 15 j 10:25	12°♒38'02	1°50'26
max. Earth dist.	-1715 Feb 15 j 09:07	12°♒37'37	10.27437 AU
morning rise	-1715 Mar 04 j 21:42	14°♒51'09	
	-1715 Mar 06 j 02:02	15°♒	
retrograde	-1715 Jun 20 j 04:53	23°♒02'26	
opposition	-1715 Aug 28 j 05:59	19°♒33'43	-2°-29'-15
min. Earth dist.	-1715 Aug 28 j 05:45	19°♒33'46	8.21620 AU
direct	-1715 Nov 02 j 23:13	16°♒09'58	
evening set	-1714 Feb 12 j 03:43	24°♒00'57	
conjunction	-1714 Mar 01 j 13:42	26°♒15'10	-2°-7'-42
minimum elong	-1714 Mar 01 j 13:39	26°♒15'09	2°07'44
max. Earth dist.	-1714 Mar 01 j 14:35	26°♒15'27	10.15989 AU
morning rise	-1714 Mar 19 j 04:31	28°♒30'57	
	-1714 Mar 31 j 03:04	0°♓	
retrograde	-1714 Jul 04 j 19:57	6°♓51'07	
opposition	-1714 Sep 11 j 08:03	3°♓21'20	-2°-46'-55
min. Earth dist.	-1714 Sep 11 j 05:54	3°♓21'47	8.11034 AU
	-1714 Nov 08 j 13:42	30°℞♒	
direct	-1714 Nov 16 j 16:21	29°♒56'16	
	-1714 Nov 24 j 18:09	0°♓	
evening set	-1713 Feb 26 j 14:35	7°♓56'41	
conjunction	-1713 Mar 16 j 04:29	10°♓13'28	-2°-17'-58
minimum elong	-1713 Mar 16 j 04:28	10°♓13'28	2°18'00
max. Earth dist.	-1713 Mar 16 j 07:10	10°♓14'21	10.06299 AU
morning rise	-1713 Apr 02 j 22:59	12°♓31'44	
retrograde	-1713 Jul 19 j 16:16	20°♓58'30	
opposition	-1713 Sep 25 j 15:08	17°♓28'02	-2°-55'-1
min. Earth dist.	-1713 Sep 25 j 11:42	17°♓28'44	8.02475 AU
direct	-1713 Nov 30 j 17:14	14°♓01'41	
evening set	-1712 Mar 12 j 11:20	22°♓10'30	
conjunction	-1712 Mar 30 j 05:22	24°♓29'36	-2°-20'-5
minimum elong	-1712 Mar 30 j 05:23	24°♓29'36	2°20'06
max. Earth dist.	-1712 Mar 30 j 10:14	24°♓31'12	9.98951 AU
morning rise	-1712 Apr 17 j 03:24	26°♓49'57	
	-1712 May 12 j 22:44	0°♈	
retrograde	-1712 Aug 02 j 15:17	5°♈20'22	
opposition	-1712 Oct 09 j 01:46	1°♈49'36	-2°-52'-25
min. Earth dist.	-1712 Oct 08 j 20:52	1°♈50'37	7.96538 AU
	-1712 Nov 01 j 07:36	30°℞♓	
direct	-1712 Dec 14 j 01:38	28°♓22'05	
	-1711 Jan 25 j 03:43	0°♈	
evening set	-1711 Mar 27 j 15:49	6°♈37'28	

conjunction	-1711 Apr 14 j 13:51	8°♈58'22	-2°-13'-28
minimum elong	-1711 Apr 14 j 13:54	8°♈58'23	2°13'28
max. Earth dist.	-1711 Apr 14 j 21:14	9°♈00'48	9.94536 AU
morning rise	-1711 May 02 j 14:53	11°♈20'12	
retrograde	-1711 Aug 17 j 13:44	19°♈50'43	
opposition	-1711 Oct 23 j 13:56	16°♈20'04	-2°-38'-48
min. Earth dist.	-1711 Oct 23 j 07:21	16°♈21'26	7.93741 AU
direct	-1711 Dec 28 j 16:50	12°♈51'33	
evening set	-1710 Apr 12 j 00:56	21°♈10'57	
conjunction	-1710 Apr 30 j 02:28	23°♈32'57	-1°-58'-20
minimum elong	-1710 Apr 30 j 02:32	23°♈32'59	1°58'21
max. Earth dist.	-1710 Apr 30 j 12:18	23°♈36'12	9.93465 AU
morning rise	-1710 May 18 j 05:43	25°♈55'29	
	-1710 Jun 21 j 01:46	0°♉	
retrograde	-1710 Sep 01 j 08:24	4°♉22'28	
opposition	-1710 Nov 07 j 01:37	0°♉52'17	-2°-14'-58
min. Earth dist.	-1710 Nov 06 j 17:19	0°♉54'01	7.94356 AU
	-1710 Nov 17 j 15:06	30°℞♈	
direct	-1709 Jan 12 j 11:02	27°♈23'02	
	-1709 Mar 07 j 19:43	0°♉	
evening set	-1709 Apr 27 j 11:16	5°♉43'36	
conjunction	-1709 May 15 j 15:20	8°♉05'51	-1°-35'-43
minimum elong	-1709 May 15 j 15:24	8°♉05'52	1°35'43
max. Earth dist.	-1709 May 16 j 03:12	8°♉09'44	9.95850 AU
morning rise	-1709 Jun 02 j 19:36	10°♉28'08	
	-1709 Jul 11 j 03:53	15°♉	
retrograde	-1709 Sep 15 j 21:51	18°♉48'20	
opposition	-1709 Nov 21 j 10:40	15°♉19'02	-1°-42'-43
min. Earth dist.	-1709 Nov 21 j 01:03	15°♉21'02	7.98350 AU
	-1709 Nov 25 j 06:18	15°℞♉	
direct	-1708 Jan 27 j 05:42	11°♉49'19	
	-1708 Mar 28 j 01:58	15°♉	
evening set	-1708 May 11 j 19:33	20°♉08'15	
conjunction	-1708 May 30 j 00:37	22°♉29'46	-1°-7'-19
minimum elong	-1708 May 30 j 00:41	22°♉29'47	1°07'18
max. Earth dist.	-1708 May 30 j 13:35	22°♉33'59	10.01509 AU
morning rise	-1708 Jun 17 j 04:24	24°♉50'51	
	-1708 Aug 01 j 05:43	0°♊	
retrograde	-1708 Sep 29 j 04:17	3°♊01'46	
	-1708 Nov 29 j 07:40	30°℞♉	
opposition	-1708 Dec 04 j 15:15	29°♉33'41	-1°-4'-33
min. Earth dist.	-1708 Dec 04 j 05:22	29°♉35'43	8.05442 AU
direct	-1707 Feb 09 j 22:04	26°♉03'49	
	-1707 Apr 19 j 23:51	0°♊	
evening set	-1707 May 26 j 22:21	4°♊18'36	
conjunction	-1707 Jun 14 j 02:43	6°♊38'28	0°-35'-15
minimum elong	-1707 Jun 14 j 02:45	6°♊38'29	0°35'14
max. Earth dist.	-1707 Jun 14 j 15:36	6°♊42'38	10.10036 AU
morning rise	-1707 Jul 02 j 04:28	8°♊57'30	
retrograde	-1707 Oct 13 j 02:39	16°♊57'36	
opposition	-1707 Dec 18 j 14:06	13°♊30'57	0°-23'-20
min. Earth dist.	-1707 Dec 18 j 04:49	13°♊32'52	8.15147 AU
direct	-1706 Feb 24 j 10:55	10°♊01'16	
evening set	-1706 Jun 10 j 16:56	18°♊09'53	
conjunction	-1706 Jun 28 j 18:55	20°♊27'20	0°-1'-48
minimum elong	-1706 Jun 28 j 18:56	20°♊27'20	0°01'47
behind sun begin	-1706 Jun 28 j 11:36	20°♊25'01	
behind sun end	-1706 Jun 29 j 02:15	20°♊29'39	
max. Earth dist.	-1706 Jun 29 j 06:37	20°♊31'03	10.20849 AU
morning rise	-1706 Jul 16 j 17:18	22°♊43'37	
asc. node	-1706 Jul 18 j 20:19	22°♊59'29	
	-1706 Oct 02 j 10:14	0°♋	

Attention, astronomical year style is used: The year -1706 in astronomical counting style is the year 1707 BCE in historical counting style.

retrograde	-1706 Oct 26 j 14:09	0°♋32'16	
	-1706 Nov 19 j 20:12	30°℞♊	
opposition	-1705 Jan 01 j 06:14	27°♊07'13	0°18'05
min. Earth dist.	-1706 Dec 31 j 22:13	27°♊08'51	8.26828 AU
direct	-1705 Mar 10 j 19:20	23°♊38'01	
	-1705 Jun 11 j 08:43	0°♋	
evening set	-1705 Jun 25 j 01:46	1°♋39'06	

conjunction	-1705 Jul 12 j 23:57	3°♋53'32	0°31'02
minimum elong	-1705 Jul 12 j 23:55	3°♋53'32	0°31'04
max. Earth dist.	-1705 Jul 13 j 09:25	3°♋56'31	10.33255 AU
morning rise	-1705 Jul 30 j 17:49	6°♋06'36	
retrograde	-1705 Nov 08 j 15:22	13°♋43'59	
opposition	-1704 Jan 14 j 15:06	10°♋20'34	0°57'19
min. Earth dist.	-1704 Jan 14 j 08:23	10°♋21'54	8.39771 AU
direct	-1704 Mar 23 j 20:28	6°♋52'07	
evening set	-1704 Jul 07 j 23:31	14°♋44'50	

conjunction	-1704 Jul 25 j 16:52	16°♋55'58	1°01'22
minimum elong	-1704 Jul 25 j 16:50	16°♋55'57	1°01'23
max. Earth dist.	-1704 Jul 26 j 00:00	16°♋58'11	10.46539 AU
morning rise	-1704 Aug 12 j 05:29	19°♋05'36	
retrograde	-1704 Nov 20 j 08:53	26°♋32'29	
opposition	-1703 Jan 26 j 17:01	23°♋10'38	1°32'25
min. Earth dist.	-1703 Jan 26 j 11:14	23°♋11'46	8.53263 AU
direct	-1703 Apr 06 j 12:55	19°♋43'14	
evening set	-1703 Jul 21 j 09:34	27°♋27'11	

conjunction	-1703 Aug 07 j 21:41	29°♋34'58	1°27'52
minimum elong	-1703 Aug 07 j 21:38	29°♋34'57	1°27'53
max. Earth dist.	-1703 Aug 08 j 03:07	29°♋36'38	10.60007 AU
	-1703 Aug 11 j 07:22	0°♌	
morning rise	-1703 Aug 25 j 04:42	1°♌41'12	
retrograde	-1703 Dec 02 j 18:40	8°♌58'44	
opposition	-1702 Feb 08 j 12:11	5°♌38'20	2°02'00
min. Earth dist.	-1702 Feb 08 j 07:46	5°♌39'11	8.66624 AU
direct	-1702 Apr 19 j 20:38	2°♌12'08	
evening set	-1702 Aug 03 j 08:35	9°♌47'28	

conjunction	-1702 Aug 20 j 15:21	11°♌52'03	1°49'37
minimum elong	-1702 Aug 20 j 15:18	11°♌52'02	1°49'38
max. Earth dist.	-1702 Aug 20 j 18:59	11°♌53'09	10.73017 AU
morning rise	-1702 Sep 06 j 16:53	13°♌55'07	
	-1702 Sep 15 j 23:27	15°♌	
retrograde	-1702 Dec 14 j 21:35	21°♌04'36	
opposition	-1701 Feb 21 j 01:14	17°♌45'33	2°25'13
min. Earth dist.	-1701 Feb 20 j 23:05	17°♌45'58	8.79241 AU
	-1701 Apr 04 j 05:00	15°℞♌	
direct	-1701 May 02 j 20:39	14°♌20'39	
	-1701 May 31 j 07:55	15°♌	
evening set	-1701 Aug 15 j 21:14	21°♌47'49	

conjunction	-1701 Sep 01 j 22:48	23°♌49'31	2°06'00
minimum elong	-1701 Sep 01 j 22:46	23°♌49'30	2°06'01
max. Earth dist.	-1701 Sep 01 j 23:55	23°♌49'50	10.85002 AU
morning rise	-1701 Sep 18 j 19:28	25°♌49'47	
	-1701 Oct 28 j 04:36	0°♍	
retrograde	-1701 Dec 26 j 19:15	2°♍52'43	
	-1700 Feb 27 j 19:45	30°℞♌	
opposition	-1700 Mar 04 j 09:21	29°♌34'48	2°41'36
min. Earth dist.	-1700 Mar 04 j 09:49	29°♌34'43	8.90585 AU
direct	-1700 May 14 j 12:25	26°♌11'16	
	-1700 Jul 25 j 09:49	0°♍	
evening set	-1700 Aug 27 j 00:20	3°♍30'55	

conjunction	-1700 Sep 12 j 21:13	5°♍30'07	2°16'45
minimum elong	-1700 Sep 12 j 21:11	5°♍30'06	2°16'47

max. Earth dist.	-1700 Sep 12 j 19:09	5°♍29'30	10.95489 AU
morning rise	-1700 Sep 29 j 13:53	7°♍28'05	
retrograde	-1699 Jan 06 j 10:31	14°♍26'02	
opposition	-1699 Mar 16 j 13:11	11°♍08'59	2°51'01
min. Earth dist.	-1699 Mar 16 j 15:27	11°♍08'34	9.00211 AU
direct	-1699 May 26 j 22:24	7°♍46'45	
evening set	-1699 Sep 07 j 19:21	14°♍59'46	

conjunction	-1699 Sep 24 j 12:30	16°♍56'59	2°21'48
minimum elong	-1699 Sep 24 j 12:29	16°♍56'59	2°21'49
max. Earth dist.	-1699 Sep 24 j 08:23	16°♍55'47	11.04085 AU
morning rise	-1699 Oct 11 j 02:02	18°♍53'10	
retrograde	-1698 Jan 18 j 01:48	25°♍47'41	
opposition	-1698 Mar 28 j 13:36	22°♍31'13	2°53'32
min. Earth dist.	-1698 Mar 28 j 17:06	22°♍30'34	9.07760 AU
direct	-1698 Jun 08 j 03:36	19°♍10'12	
evening set	-1698 Sep 19 j 07:45	26°♍17'35	

conjunction	-1698 Oct 05 j 22:10	28°♍13'22	2°21'15
minimum elong	-1698 Oct 05 j 22:10	28°♍13'23	2°21'15
max. Earth dist.	-1698 Oct 05 j 16:55	28°♍11'50	11.10475 AU
	-1698 Oct 21 j 04:25	0°♎	
morning rise	-1698 Oct 22 j 09:24	0°♎08'19	
retrograde	-1697 Jan 29 j 15:05	7°♎00'55	
opposition	-1697 Apr 09 j 12:05	3°♎44'45	2°49'24
min. Earth dist.	-1697 Apr 09 j 17:16	3°♎43'48	9.12961 AU
direct	-1697 Jun 20 j 01:29	0°♎24'50	
evening set	-1697 Sep 30 j 15:12	7°♎27'40	

conjunction	-1697 Oct 17 j 03:36	9°♎22'33	2°15'19
minimum elong	-1697 Oct 17 j 03:37	9°♎22'34	2°15'18
max. Earth dist.	-1697 Oct 16 j 20:27	9°♎20'28	11.14439 AU
morning rise	-1697 Nov 02 j 13:38	11°♎16'50	
retrograde	-1696 Feb 10 j 03:51	18°♎09'06	
opposition	-1696 Apr 20 j 09:38	14°♎52'57	2°38'57
min. Earth dist.	-1696 Apr 20 j 16:56	14°♎51'36	9.15647 AU
direct	-1696 Jun 30 j 21:05	11°♎33'53	
evening set	-1696 Oct 10 j 19:25	18°♎33'27	

conjunction	-1696 Oct 27 j 06:40	20°♎27'58	2°04'19
minimum elong	-1696 Oct 27 j 06:42	20°♎27'58	2°04'18
max. Earth dist.	-1696 Oct 26 j 21:15	20°♎25'13	11.15852 AU
morning rise	-1696 Nov 12 j 16:38	22°♎22'07	
retrograde	-1695 Feb 20 j 17:17	29°♎15'36	
opposition	-1695 May 02 j 07:03	25°♎59'07	2°22'38
min. Earth dist.	-1695 May 02 j 15:53	25°♎57'30	9.15723 AU
direct	-1695 Jul 12 j 14:20	22°♎40'41	
evening set	-1695 Oct 21 j 21:55	29°♎38'20	
	-1695 Oct 25 j 01:27	0°♏	

conjunction	-1695 Nov 07 j 09:03	1°♏33'00	1°48'39
minimum elong	-1695 Nov 07 j 09:06	1°♏33'00	1°48'39
max. Earth dist.	-1695 Nov 06 j 22:36	1°♏29'56	11.14637 AU
morning rise	-1695 Nov 23 j 19:42	3°♏27'34	
retrograde	-1694 Mar 04 j 09:53	10°♏23'52	
opposition	-1694 May 14 j 05:29	7°♏06'44	2°00'58
min. Earth dist.	-1694 May 14 j 14:41	7°♏05'03	9.13130 AU
direct	-1694 Jul 24 j 07:05	3°♏48'41	
evening set	-1694 Nov 02 j 00:40	10°♏45'51	

conjunction	-1694 Nov 18 j 12:27	12°♏41'11	1°28'50
minimum elong	-1694 Nov 18 j 12:30	12°♏41'11	1°28'48
max. Earth dist.	-1694 Nov 18 j 01:42	12°♏38'01	11.10755 AU
morning rise	-1694 Dec 05 j 00:25	14°♏36'39	
	-1694 Dec 08 j 10:07	15°♏	
retrograde	-1693 Mar 16 j 08:50	21°♏37'23	
opposition	-1693 May 26 j 06:12	18°♏19'22	1°34'32

Attention, astronomical year style is used: The year -1693 in astronomical counting style is the year 1694 BCE in historical counting style.

min. Earth dist.	-1693 May 26 j 15:55	18°♏17'35	9.07884 AU
direct	-1693 Aug 04 j 23:22	15°♏01'28	
evening set	-1693 Nov 13 j 05:41	21°♏59'44	
conjunction	-1693 Nov 29 j 18:37	23°♏56'11	1°05'24
minimum elong	-1693 Nov 29 j 18:39	23°♏56'12	1°05'23
max. Earth dist.	-1693 Nov 29 j 06:39	23°♏52'39	11.04287 AU
morning rise	-1693 Dec 16 j 08:42	25°♏53'05	
	-1692 Jan 24 j 16:11	0°♐	
retrograde	-1692 Mar 27 j 10:36	2°♐59'53	
	-1692 Jun 02 j 02:00	30°℞♏	
opposition	-1692 Jun 06 j 10:25	29°♏40'44	1°04'05
min. Earth dist.	-1692 Jun 06 j 20:57	29°♏38'47	9.00149 AU
direct	-1692 Aug 15 j 15:24	26°♏22'42	
	-1692 Oct 23 j 05:52	0°♐	
evening set	-1692 Nov 23 j 14:39	3°♐23'44	
conjunction	-1692 Dec 10 j 05:16	5°♐21'46	0°39'04
minimum elong	-1692 Dec 10 j 05:18	5°♐21'46	0°39'01
max. Earth dist.	-1692 Dec 09 j 16:21	5°♐17'55	10.95473 AU
morning rise	-1692 Dec 26 j 22:09	7°♐20'30	
retrograde	-1691 Apr 08 j 19:45	14°♐34'58	
opposition	-1691 Jun 18 j 19:05	11°♐14'26	0°30'27
min. Earth dist.	-1691 Jun 19 j 05:56	11°♐12'25	8.90246 AU
direct	-1691 Aug 27 j 12:57	7°♐55'58	
evening set	-1691 Dec 05 j 05:33	15°♐01'23	
conjunction	-1691 Dec 21 j 22:26	17°♐01'23	0°10'40
minimum elong	-1691 Dec 21 j 22:27	17°♐01'23	0°10'37
behind sun begin	-1691 Dec 21 j 16:59	16°♐59'45	
behind sun end	-1691 Dec 22 j 03:55	17°♐03'01	
max. Earth dist.	-1691 Dec 21 j 10:25	16°♐57'46	10.84671 AU
morning rise	-1690 Jan 07 j 18:17	19°♐02'20	
retrograde	-1690 Apr 21 j 13:12	26°♐25'49	
desc. node	-1690 May 07 j 10:11	26°♐13'35	
opposition	-1690 Jul 01 j 08:56	23°♐03'42	0°-5'-16
min. Earth dist.	-1690 Jul 01 j 18:40	23°♐01'53	8.78590 AU
direct	-1690 Sep 08 j 13:49	19°♐44'34	
evening set	-1690 Dec 17 j 04:03	26°♐55'54	
conjunction	-1689 Jan 02 j 23:33	28°♐58'11	0°-18'-53
minimum elong	-1689 Jan 02 j 23:33	28°♐58'10	0°18'56
max. Earth dist.	-1689 Jan 02 j 13:15	28°♐55'02	10.72335 AU
	-1689 Jan 11 j 10:15	0°♑	
morning rise	-1689 Jan 19 j 22:34	1°♑01'37	
retrograde	-1689 May 04 j 15:06	8°♑35'19	
opposition	-1689 Jul 14 j 05:07	5°♑11'30	0°-41'-47
min. Earth dist.	-1689 Jul 14 j 12:58	5°♑10'00	8.65682 AU
direct	-1689 Sep 20 j 20:16	1°♑51'27	
evening set	-1689 Dec 29 j 11:48	9°♑10'09	
conjunction	-1688 Jan 15 j 10:06	11°♑14'58	0°-48'-15
minimum elong	-1688 Jan 15 j 10:04	11°♑14'57	0°48'17
max. Earth dist.	-1688 Jan 15 j 01:15	11°♑12'14	10.58998 AU
morning rise	-1688 Feb 01 j 12:36	13°♑21'08	
retrograde	-1688 May 17 j 02:58	21°♑05'52	
opposition	-1688 Jul 26 j 08:06	17°♑40'19	-1°-17'-29
min. Earth dist.	-1688 Jul 26 j 14:09	17°♑39'09	8.52085 AU
direct	-1688 Oct 02 j 08:34	14°♑19'09	
evening set	-1687 Jan 10 j 06:23	21°♑46'31	
conjunction	-1687 Jan 27 j 07:40	23°♑54'02	-1°-16'-5
minimum elong	-1687 Jan 27 j 07:37	23°♑54'01	1°16'07
max. Earth dist.	-1687 Jan 27 j 00:06	23°♑51'40	10.45256 AU
morning rise	-1687 Feb 13 j 13:48	26°♑03'06	
	-1687 Mar 20 j 06:32	0°♒	
retrograde	-1687 May 30 j 23:30	3°♒59'09	
opposition	-1687 Aug 08 j 18:01	0°♒31'58	-1°-50'-31
min. Earth dist.	-1687 Aug 08 j 22:39	0°♒31'03	8.38429 AU
	-1687 Aug 15 j 13:07	30°℞♑	
direct	-1687 Oct 15 j 04:11	27°♑09'31	
	-1687 Dec 11 j 15:35	0°♒	
evening set	-1686 Jan 23 j 12:32	4°♒46'33	
conjunction	-1686 Feb 09 j 17:08	6°♒56'53	-1°-40'-49
minimum elong	-1686 Feb 09 j 17:05	6°♒56'52	1°40'51
max. Earth dist.	-1686 Feb 09 j 11:59	6°♒55'15	10.31772 AU
morning rise	-1686 Feb 27 j 02:55	9°♒08'51	
	-1686 Apr 22 j 15:42	15°♒	
retrograde	-1686 Jun 14 j 03:26	17°♒15'58	
	-1686 Aug 06 j 22:30	15°℞♒	
opposition	-1686 Aug 22 j 11:09	13°♒47'17	-2°-18'-48
min. Earth dist.	-1686 Aug 22 j 13:47	13°♒46'45	8.25395 AU
direct	-1686 Oct 28 j 09:57	10°♒23'30	
	-1685 Jan 10 j 16:27	15°♒	
evening set	-1685 Feb 06 j 06:36	18°♒10'36	
conjunction	-1685 Feb 23 j 14:55	20°♒23'47	-2°00'-48
minimum elong	-1685 Feb 23 j 14:52	20°♒23'47	2°00'49
max. Earth dist.	-1685 Feb 23 j 13:08	20°♒23'13	10.19248 AU
morning rise	-1685 Mar 13 j 04:17	22°♒38'36	
	-1685 May 26 j 22:15	0°♓	
retrograde	-1685 Jun 28 j 15:22	0°♓55'42	
	-1685 Jul 31 j 14:38	30°℞♒	
opposition	-1685 Sep 05 j 10:53	27°♒25'44	-2°-40'-14
min. Earth dist.	-1685 Sep 05 j 10:58	27°♒25'44	8.13683 AU
direct	-1685 Nov 11 j 00:02	24°♒00'36	
	-1684 Feb 04 j 17:47	0°♓	
evening set	-1684 Feb 20 j 12:43	1°♓57'38	
conjunction	-1684 Mar 09 j 01:02	4°♓13'34	-2°-14'-23
minimum elong	-1684 Mar 09 j 01:00	4°♓13'34	2°14'24
max. Earth dist.	-1684 Mar 09 j 02:59	4°♓14'12	10.08393 AU
morning rise	-1684 Mar 26 j 17:59	6°♓31'02	
retrograde	-1684 Jul 12 j 10:15	14°♓56'03	
opposition	-1684 Sep 18 j 16:07	11°♓25'10	-2°-52'-49
min. Earth dist.	-1684 Sep 18 j 13:18	11°♓25'45	8.03972 AU
direct	-1684 Nov 23 j 21:27	7°♓58'44	
evening set	-1683 Mar 06 j 05:39	16°♓04'49	
conjunction	-1683 Mar 23 j 22:05	18°♓23'13	-2°-20'-14
minimum elong	-1683 Mar 23 j 22:05	18°♓23'13	2°20'15
max. Earth dist.	-1683 Mar 24 j 03:22	18°♓24'57	9.99875 AU
morning rise	-1683 Apr 10 j 18:32	20°♓42'58	
retrograde	-1683 Jul 27 j 09:15	29°♓13'05	
opposition	-1683 Oct 03 j 01:45	25°♓41'42	-2°-55'-4
min. Earth dist.	-1683 Oct 02 j 20:20	25°♓42'49	7.96873 AU
direct	-1683 Dec 08 j 02:25	22°♓14'05	
	-1682 Mar 17 j 17:32	0°♈	
evening set	-1682 Mar 21 j 07:11	0°♈27'33	
conjunction	-1682 Apr 08 j 03:39	2°♈47'58	-2°-17'-31
minimum elong	-1682 Apr 08 j 03:41	2°♈47'59	2°17'32
max. Earth dist.	-1682 Apr 08 j 11:49	2°♈50'40	9.94266 AU
morning rise	-1682 Apr 26 j 03:21	5°♈09'28	
retrograde	-1682 Aug 11 j 09:20	13°♈41'15	
opposition	-1682 Oct 17 j 13:55	10°♈09'49	-2°-46'-17
min. Earth dist.	-1682 Oct 17 j 06:35	10°♈11'21	7.92878 AU
direct	-1682 Dec 22 j 14:45	6°♈41'12	
evening set	-1681 Apr 05 j 14:57	14°♈59'47	
conjunction	-1681 Apr 23 j 15:07	17°♈21'37	-2°-6'-4
minimum elong	-1681 Apr 23 j 15:11	17°♈21'38	2°06'05
max. Earth dist.	-1681 Apr 24 j 01:32	17°♈25'03	9.91973 AU

Attention, astronomical year style is used: The year -1681 in astronomical counting style is the year 1682 BCE in historical counting style.

morning rise	-1681 May 11 j 17:30	19°♈44'09	
retrograde	-1681 Aug 26 j 06:41	28°♈13'50	
opposition	-1681 Nov 01 j 02:23	24°♈42'53	-2°-26'-45
min. Earth dist.	-1681 Oct 31 j 17:49	24°♈44'41	7.92283 AU
direct	-1680 Jan 06 j 07:36	21°♈13'31	
evening set	-1680 Apr 20 j 01:35	29°♈34'30	
	-1680 Apr 23 j 08:18	0°♉	
conjunction	-1680 May 08 j 04:40	1°♉56'56	-1°-46'-33
minimum elong	-1680 May 08 j 04:44	1°♉56'57	1°46'34
max. Earth dist.	-1680 May 08 j 16:33	2°♉00'51	9.93168 AU
morning rise	-1680 May 26 j 08:44	4°♉19'38	
retrograde	-1680 Sep 08 j 23:14	12°♉43'47	
opposition	-1680 Nov 14 j 13:15	9°♉13'46	-1°-57'-52
min. Earth dist.	-1680 Nov 14 j 03:59	9°♉15'42	7.95149 AU
direct	-1679 Jan 20 j 02:33	5°♉43'58	
evening set	-1679 May 05 j 11:28	14°♉04'29	
	-1679 May 12 j 15:19	15°♉	
conjunction	-1679 May 23 j 16:09	16°♉26'35	-1°-20'-24
minimum elong	-1679 May 23 j 16:13	16°♉26'36	1°20'24
max. Earth dist.	-1679 May 24 j 04:53	16°♉30'45	9.97777 AU
morning rise	-1679 Jun 10 j 20:31	18°♉48'28	
retrograde	-1679 Sep 23 j 09:14	27°♉04'18	
opposition	-1679 Nov 28 j 20:26	23°♉35'33	-1°-21'-53
min. Earth dist.	-1679 Nov 28 j 10:34	23°♉37'36	8.01298 AU
direct	-1678 Feb 03 j 21:03	20°♉05'41	
evening set	-1678 May 20 j 17:23	28°♉23'03	
	-1678 Jun 02 j 07:03	0°♊	
conjunction	-1678 Jun 07 j 22:12	0°♊43'52	0°-49'-37
minimum elong	-1678 Jun 07 j 22:14	0°♊43'53	0°49'37
max. Earth dist.	-1678 Jun 08 j 11:16	0°♊48'07	10.05494 AU
morning rise	-1678 Jun 26 j 01:16	3°♊04'03	
retrograde	-1678 Oct 07 j 11:14	11°♊09'33	
opposition	-1678 Dec 12 j 22:17	7°♊42'21	0°-41'-34
min. Earth dist.	-1678 Dec 12 j 12:01	7°♊44'27	8.10324 AU
direct	-1677 Feb 18 j 12:43	4°♊12'43	
evening set	-1677 Jun 04 j 16:29	12°♊24'42	
conjunction	-1677 Jun 22 j 19:45	14°♊43'23	0°-16'-26
minimum elong	-1677 Jun 22 j 19:46	14°♊43'23	0°16'25
max. Earth dist.	-1677 Jun 23 j 08:37	14°♊47'30	10.15790 AU
morning rise	-1677 Jul 10 j 19:58	17°♊01'03	
retrograde	-1677 Oct 21 j 03:51	24°♊55'11	
asc. node	-1677 Dec 25 j 07:22	21°♊36'42	
opposition	-1677 Dec 26 j 17:51	21°♊29'41	0°00'09
min. Earth dist.	-1677 Dec 26 j 07:47	21°♊31'44	8.21627 AU
direct	-1676 Mar 03 j 23:56	18°♊00'36	
evening set	-1676 Jun 18 j 06:26	26°♊05'28	
conjunction	-1676 Jul 06 j 06:33	28°♊21'20	0°16'59
minimum elong	-1676 Jul 06 j 06:32	28°♊21'19	0°17'01
max. Earth dist.	-1676 Jul 06 j 18:35	28°♊25'08	10.27990 AU
	-1676 Jul 19 j 07:17	0°♋	
morning rise	-1676 Jul 24 j 02:29	0°♋35'52	
retrograde	-1676 Nov 02 j 10:52	8°♋18'28	
opposition	-1675 Jan 08 j 06:28	4°♋54'43	0°40'40
min. Earth dist.	-1675 Jan 07 j 21:25	4°♋56'32	8.34497 AU
direct	-1675 Mar 18 j 03:45	1°♋26'25	
evening set	-1675 Jul 02 j 09:40	9°♋23'01	
conjunction	-1675 Jul 20 j 05:22	11°♋35'38	0°48'35
minimum elong	-1675 Jul 20 j 05:20	11°♋35'37	0°48'37
max. Earth dist.	-1675 Jul 20 j 15:43	11°♋38'51	10.41350 AU
morning rise	-1675 Aug 06 j 20:12	13°♋46'44	
retrograde	-1675 Nov 15 j 09:22	21°♋18'15	

opposition	-1674 Jan 21 j 11:49	17°♋56'11	1°17'46
min. Earth dist.	-1674 Jan 21 j 04:59	17°♋57'32	8.48169 AU
direct	-1674 Mar 31 j 23:23	14°♋28'51	
evening set	-1674 Jul 16 j 01:23	22°♋16'38	
conjunction	-1674 Aug 02 j 15:52	24°♋25'51	1°16'54
minimum elong	-1674 Aug 02 j 15:49	24°♋25'50	1°16'56
max. Earth dist.	-1674 Aug 02 j 23:04	24°♋28'04	10.55079 AU
morning rise	-1674 Aug 20 j 01:16	26°♋33'30	
	-1674 Sep 19 j 14:19	0°♌	
retrograde	-1674 Nov 27 j 22:19	3°♌54'55	
opposition	-1673 Feb 03 j 10:12	0°♌34'25	1°49'52
min. Earth dist.	-1673 Feb 03 j 05:53	0°♌35'15	8.61835 AU
	-1673 Feb 10 j 19:27	30°℞♋	
direct	-1673 Apr 14 j 11:27	27°♋08'10	
	-1673 Jun 14 j 04:05	0°♌	
evening set	-1673 Jul 29 j 05:44	4°♌47'12	
conjunction	-1673 Aug 15 j 14:40	6°♌53'05	1°40'48
minimum elong	-1673 Aug 15 j 14:36	6°♌53'04	1°40'49
max. Earth dist.	-1673 Aug 15 j 18:05	6°♌54'07	10.68401 AU
morning rise	-1673 Sep 01 j 18:37	8°♌57'27	
	-1673 Nov 03 j 08:56	15°♌	
retrograde	-1673 Dec 10 j 02:45	16°♌10'13	
	-1672 Jan 16 j 16:30	15°℞♌	
opposition	-1672 Feb 16 j 02:07	12°♌51'05	2°15'55
min. Earth dist.	-1672 Feb 15 j 23:58	12°♌51'30	8.74762 AU
direct	-1672 Apr 26 j 16:58	9°♌26'03	
	-1672 Jul 23 j 21:54	15°♌	
evening set	-1672 Aug 09 j 23:07	16°♌56'45	
conjunction	-1672 Aug 27 j 02:47	18°♌59'37	1°59'33
minimum elong	-1672 Aug 27 j 02:44	18°♌59'36	1°59'34
max. Earth dist.	-1672 Aug 27 j 03:19	18°♌59'46	10.80695 AU
morning rise	-1672 Sep 13 j 01:37	21°♌01'01	
retrograde	-1672 Dec 21 j 03:22	28°♌06'44	
opposition	-1671 Feb 27 j 12:36	24°♌48'43	2°35'17
min. Earth dist.	-1671 Feb 27 j 12:03	24°♌48'49	8.86422 AU
direct	-1671 May 09 j 12:52	21°♌24'56	
evening set	-1671 Aug 22 j 06:29	28°♌47'53	
	-1671 Sep 01 j 11:36	0°♍	
conjunction	-1671 Sep 08 j 05:28	0°♍48'08	2°12'45
minimum elong	-1671 Sep 08 j 05:26	0°♍48'08	2°12'46
max. Earth dist.	-1671 Sep 08 j 04:14	0°♍47'47	10.91519 AU
morning rise	-1671 Sep 24 j 23:46	2°♍47'04	
retrograde	-1670 Jan 01 j 22:38	9°♍47'12	
opposition	-1670 Mar 11 j 18:30	6°♍30'02	2°47'43
min. Earth dist.	-1670 Mar 11 j 20:16	6°♍29'42	8.96418 AU
direct	-1670 May 22 j 01:11	3°♍07'27	
evening set	-1670 Sep 03 j 05:24	10°♍23'28	
conjunction	-1670 Sep 20 j 00:15	12°♍21'33	2°20'15
minimum elong	-1670 Sep 20 j 00:14	12°♍21'32	2°20'15
max. Earth dist.	-1670 Sep 19 j 20:33	12°♍20'27	11.00517 AU
morning rise	-1670 Oct 06 j 14:55	14°♍18'29	
retrograde	-1669 Jan 13 j 14:28	21°♍14'33	
opposition	-1669 Mar 23 j 20:43	17°♍57'58	2°53'12
min. Earth dist.	-1669 Mar 24 j 01:09	17°♍57'08	9.04425 AU
direct	-1669 Jun 03 j 08:04	14°♍36'26	
evening set	-1669 Sep 14 j 21:02	21°♍46'27	
conjunction	-1669 Oct 01 j 12:30	23°♍42'53	2°22'04
minimum elong	-1669 Oct 01 j 12:30	23°♍42'53	2°22'04
max. Earth dist.	-1669 Oct 01 j 05:54	23°♍40'57	11.07408 AU
morning rise	-1669 Oct 18 j 00:41	25°♍38'23	
	-1669 Nov 29 j 14:43	0°♎	

Attention, astronomical year style is used: The year -1668 in astronomical counting style is the year 1669 BCE in historical counting style.

retrograde	-1668 Jan 25 j 02:40	2°♎31'56	
	-1668 Mar 24 j 17:36	30°℞♍	
opposition	-1668 Apr 03 j 20:26	29°♍15'34	2°51'54
min. Earth dist.	-1668 Apr 04 j 02:51	29°♍14'23	9.10189 AU
direct	-1668 Jun 14 j 09:45	25°♍54'58	
	-1668 Aug 28 j 09:38	0°♎	
evening set	-1668 Sep 25 j 06:37	3°♎00'01	
conjunction	-1668 Oct 11 j 19:46	4°♎55'20	2°18'25
minimum elong	-1668 Oct 11 j 19:47	4°♎55'20	2°18'24
max. Earth dist.	-1668 Oct 11 j 11:23	4°♎52'53	11.11973 AU
morning rise	-1668 Oct 28 j 06:25	6°♎49'58	
retrograde	-1667 Feb 04 j 15:34	13°♎42'36	
opposition	-1667 Apr 15 j 18:26	10°♎26'08	2°44'07
min. Earth dist.	-1667 Apr 16 j 01:39	10°♎24'48	9.13519 AU
direct	-1667 Jun 26 j 08:30	7°♎06'19	
evening set	-1667 Oct 06 j 12:08	14°♎07'35	
conjunction	-1667 Oct 23 j 00:01	16°♎02'21	2°09'32
minimum elong	-1667 Oct 23 j 00:03	16°♎02'22	2°09'31
max. Earth dist.	-1667 Oct 22 j 15:03	15°♎59'44	11.14061 AU
morning rise	-1667 Nov 08 j 09:57	17°♎56'39	
retrograde	-1666 Feb 16 j 05:57	24°♎49'51	
opposition	-1666 Apr 27 j 15:44	21°♎33'04	2°30'15
min. Earth dist.	-1666 Apr 27 j 23:57	21°♎31'33	9.14314 AU
direct	-1666 Jul 08 j 02:06	18°♎13'52	
evening set	-1666 Oct 17 j 15:23	25°♎12'41	
conjunction	-1666 Nov 03 j 02:41	27°♎07'25	1°55'48
minimum elong	-1666 Nov 03 j 02:44	27°♎07'25	1°55'47
max. Earth dist.	-1666 Nov 02 j 16:31	27°♎04'26	11.13611 AU
morning rise	-1666 Nov 19 j 12:56	29°♎01'55	
	-1666 Nov 28 j 02:48	0°♏	
retrograde	-1665 Feb 27 j 21:02	5°♏57'19	
opposition	-1665 May 09 j 13:57	2°♏39'56	2°10'47
min. Earth dist.	-1665 May 09 j 23:35	2°♏38'10	9.12561 AU
	-1665 Jun 20 j 21:32	30°℞♎	
direct	-1665 Jul 19 j 18:09	29°♎21'09	
	-1665 Aug 17 j 04:42	0°♏	
evening set	-1665 Oct 28 j 17:59	6°♏18'57	
conjunction	-1665 Nov 14 j 05:25	8°♏14'08	1°37'40
minimum elong	-1665 Nov 14 j 05:27	8°♏14'09	1°37'40
max. Earth dist.	-1665 Nov 13 j 17:36	8°♏10'40	11.10653 AU
morning rise	-1665 Nov 30 j 16:55	10°♏09'22	
	-1664 Jan 18 j 05:23	15°♏	
retrograde	-1664 Mar 10 j 16:25	17°♏08'36	
	-1664 May 04 j 10:35	15°℞♏	
opposition	-1664 May 20 j 13:56	13°♏50'23	1°46'16
min. Earth dist.	-1664 May 21 j 00:25	13°♏48'28	9.08328 AU
direct	-1664 Jul 30 j 10:50	10°♏31'49	
	-1664 Oct 16 j 04:12	15°♏	
evening set	-1664 Nov 07 j 21:56	17°♏30'05	
conjunction	-1664 Nov 24 j 10:22	19°♏26'13	1°15'41
minimum elong	-1664 Nov 24 j 10:24	19°♏26'13	1°15'40
max. Earth dist.	-1664 Nov 23 j 22:32	19°♏22'43	11.05275 AU
morning rise	-1664 Dec 10 j 23:42	21°♏22'40	
retrograde	-1663 Mar 22 j 15:48	28°♏27'16	
opposition	-1663 Jun 01 j 16:31	25°♏08'01	1°17'23
min. Earth dist.	-1663 Jun 02 j 02:39	25°♏06'09	9.01745 AU
direct	-1663 Aug 11 j 03:33	21°♏49'29	
evening set	-1663 Nov 19 j 05:02	28°♏49'47	
	-1663 Nov 29 j 03:59	0°♐	
conjunction	-1663 Dec 05 j 19:07	0°♐47'17	0°50'28
minimum elong	-1663 Dec 05 j 19:09	0°♐47'18	0°50'26
max. Earth dist.	-1663 Dec 05 j 08:02	0°♐44'00	10.97636 AU
morning rise	-1663 Dec 22 j 10:45	2°♐45'22	
retrograde	-1662 Apr 03 j 23:47	9°♐56'56	
opposition	-1662 Jun 13 j 23:12	6°♐36'28	0°44'57
min. Earth dist.	-1662 Jun 14 j 08:27	6°♐34'45	8.93020 AU
direct	-1662 Aug 22 j 23:25	3°♐17'45	
evening set	-1662 Nov 30 j 17:15	10°♐21'38	
conjunction	-1662 Dec 17 j 09:15	12°♐20'55	0°22'48
minimum elong	-1662 Dec 17 j 09:15	12°♐20'55	0°22'46
max. Earth dist.	-1662 Dec 16 j 22:20	12°♐17'38	10.87994 AU
morning rise	-1661 Jan 03 j 03:43	14°♐21'01	
retrograde	-1661 Apr 16 j 14:34	21°♐40'58	
opposition	-1661 Jun 26 j 11:03	18°♐19'09	0°09'55
min. Earth dist.	-1661 Jun 26 j 19:48	18°♐17'31	8.82474 AU
direct	-1661 Sep 03 j 20:47	15°♐00'02	
desc. node	-1661 Oct 08 j 07:33	16°♐00'03	
evening set	-1661 Dec 12 j 12:29	22°♐09'06	
conjunction	-1661 Dec 29 j 06:46	24°♐10'29	0°-6'-28
minimum elong	-1661 Dec 29 j 06:45	24°♐10'28	0°06'31
behind sun begin	-1661 Dec 29 j 00:08	24°♐08'29	
behind sun end	-1661 Dec 29 j 13:22	24°♐12'28	
max. Earth dist.	-1661 Dec 28 j 20:05	24°♐07'15	10.76716 AU
morning rise	-1660 Jan 15 j 04:31	26°♐12'57	
	-1660 Feb 18 j 14:56	0°♑	
retrograde	-1660 Apr 28 j 11:34	3°♑42'32	
opposition	-1660 Jul 08 j 04:42	0°♑19'17	0°-26'-26
min. Earth dist.	-1660 Jul 08 j 12:52	0°♑17'44	8.70526 AU
	-1660 Jul 12 j 10:18	30°℞♐	
direct	-1660 Sep 15 j 00:32	26°♐59'30	
	-1660 Nov 14 j 14:23	0°♑	
evening set	-1660 Dec 23 j 16:17	4°♑15'17	
conjunction	-1659 Jan 09 j 13:17	6°♑19'04	0°-36'-1
minimum elong	-1659 Jan 09 j 13:16	6°♑19'04	0°36'03
max. Earth dist.	-1659 Jan 09 j 04:11	6°♑16'16	10.64248 AU
morning rise	-1659 Jan 26 j 14:26	8°♑24'08	
retrograde	-1659 May 11 j 19:13	16°♑04'23	
opposition	-1659 Jul 21 j 04:56	12°♑39'36	-1°-2'-41
min. Earth dist.	-1659 Jul 21 j 11:36	12°♑38'19	8.57668 AU
direct	-1659 Sep 27 j 11:35	9°♑19'00	
evening set	-1658 Jan 05 j 06:16	16°♑42'50	
conjunction	-1658 Jan 22 j 06:17	18°♑49'13	-1°-4'-40
minimum elong	-1658 Jan 22 j 06:15	18°♑49'12	1°04'43
max. Earth dist.	-1658 Jan 21 j 23:58	18°♑47'14	10.51118 AU
morning rise	-1658 Feb 08 j 10:47	20°♑57'03	
retrograde	-1658 May 25 j 12:17	28°♑48'29	
opposition	-1658 Aug 03 j 12:07	25°♑22'13	-1°-37'-4
min. Earth dist.	-1658 Aug 03 j 16:16	25°♑21'24	8.44479 AU
direct	-1658 Oct 10 j 04:26	22°♑00'38	
evening set	-1657 Jan 18 j 07:38	29°♑33'35	
	-1657 Jan 21 j 20:40	0°♒	
conjunction	-1657 Feb 04 j 10:51	1°♒42'42	-1°-30'-54
minimum elong	-1657 Feb 04 j 10:48	1°♒42'41	1°30'56
max. Earth dist.	-1657 Feb 04 j 07:06	1°♒41'30	10.37958 AU
morning rise	-1657 Feb 21 j 18:51	3°♒53'23	
retrograde	-1657 Jun 08 j 14:15	11°♒55'57	
opposition	-1657 Aug 17 j 02:29	8°♒28'15	-2°-7'-33
min. Earth dist.	-1657 Aug 17 j 04:04	8°♒27'56	8.31613 AU
direct	-1657 Oct 23 j 05:30	5°♒05'33	
evening set	-1656 Jan 31 j 21:01	12°♒48'14	
conjunction	-1656 Feb 18 j 03:40	15°♒00'08	-1°-53'-2
minimum elong	-1656 Feb 18 j 03:37	15°♒00'08	1°53'04

Attention, astronomical year style is used: The year -1656 in astronomical counting style is the year 1657 BCE in historical counting style.

max. Earth dist.	-1656 Feb 18 j 02:11	14°♒59'40	10.25445 AU	
	-1656 Feb 18 j 03:14	15°♒		
morning rise	-1656 Mar 06 j 15:19	17°♒13'39		
retrograde	-1656 Jun 22 j 00:12	25°♒26'30		
opposition	-1656 Aug 29 j 23:41	21°♒57'34	-2°-32'-3	
min. Earth dist.	-1656 Aug 29 j 23:13	21°♒57'40	8.19733 AU	
direct	-1656 Nov 04 j 15:13	18°♒33'37		
evening set	-1655 Feb 13 j 22:25	26°♒26'08		
conjunction	-1655 Mar 03 j 08:44	28°♒40'45	-2°-9'-26	
minimum elong	-1655 Mar 03 j 08:42	28°♒40'44	2°09'27	
max. Earth dist.	-1655 Mar 03 j 09:28	28°♒40'59	10.14239 AU	
	-1655 Mar 13 j 13:59	0°♓		
morning rise	-1655 Mar 21 j 00:04	0°♓56'56		
retrograde	-1655 Jul 06 j 16:42	9°♓18'21		
opposition	-1655 Sep 13 j 02:44	5°♓48'27	-2°-48'-29	
min. Earth dist.	-1655 Sep 13 j 00:38	5°♓48'52	8.09473 AU	
direct	-1655 Nov 18 j 09:32	2°♓23'10		
evening set	-1654 Feb 28 j 10:48	10°♓24'57		
conjunction	-1654 Mar 18 j 01:07	12°♓42'04	-2°-18'-38	
minimum elong	-1654 Mar 18 j 01:06	12°♓42'04	2°18'39	
max. Earth dist.	-1654 Mar 18 j 04:15	12°♓43'05	10.04954 AU	
morning rise	-1654 Apr 04 j 20:04	15°♓00'40		
retrograde	-1654 Jul 21 j 13:20	23°♓28'13		
opposition	-1654 Sep 27 j 10:37	19°♓57'40	-2°-55'-9	
min. Earth dist.	-1654 Sep 27 j 07:01	19°♓58'24	8.01375 AU	
direct	-1654 Dec 02 j 12:30	16°♓31'07		
evening set	-1653 Mar 15 j 08:34	24°♓40'56		
conjunction	-1653 Apr 02 j 03:07	27°♓00'17	-2°-19'-33	
minimum elong	-1653 Apr 02 j 03:08	27°♓00'18	2°19'33	
max. Earth dist.	-1653 Apr 02 j 08:54	27°♓02'12	9.98093 AU	
morning rise	-1653 Apr 20 j 01:30	29°♓20'53		
	-1653 Apr 25 j 03:48	0°♈		
retrograde	-1653 Aug 05 j 11:59	7°♈51'36		
opposition	-1653 Oct 11 j 21:40	4°♈20'48	-2°-51'00	
min. Earth dist.	-1653 Oct 11 j 16:15	4°♈21'56	7.95920 AU	
direct	-1653 Dec 16 j 22:43	0°♈53'09		
evening set	-1652 Mar 29 j 13:51	9°♈09'11		
conjunction	-1652 Apr 16 j 12:26	11°♈30'17	-2°-11'-43	
minimum elong	-1652 Apr 16 j 12:29	11°♈30'18	2°11'43	
max. Earth dist.	-1652 Apr 16 j 20:53	11°♈33'04	9.94151 AU	
morning rise	-1652 May 04 j 13:44	13°♈52'15		
retrograde	-1652 Aug 19 j 09:50	22°♈22'38		
opposition	-1652 Oct 25 j 09:57	18°♈52'00	-2°-35'-54	
min. Earth dist.	-1652 Oct 25 j 02:36	18°♈53'32	7.93575 AU	
direct	-1652 Dec 30 j 13:40	15°♈23'26		
evening set	-1651 Apr 13 j 23:27	23°♈43'10		
conjunction	-1651 May 02 j 01:26	26°♈05'16	-1°-55'-29	
minimum elong	-1651 May 02 j 01:30	26°♈05'18	1°55'29	
max. Earth dist.	-1651 May 02 j 12:18	26°♈08'51	9.93522 AU	
morning rise	-1651 May 20 j 04:48	28°♈27'50		
	-1651 Jun 01 j 07:42	0°♉		
retrograde	-1651 Sep 03 j 04:49	6°♉54'17		
opposition	-1651 Nov 08 j 21:37	3°♉24'14	-2°-10'-47	
min. Earth dist.	-1651 Nov 08 j 12:37	3°♉26'06	7.94616 AU	
	-1650 Jan 04 j 21:16	30°℞♈		
direct	-1650 Jan 14 j 07:01	29°♈54'59		
	-1650 Jan 23 j 16:56	0°♉		
evening set	-1650 Apr 29 j 09:46	8°♉15'31		
conjunction	-1650 May 17 j 14:03	10°♉37'46	-1°-31'-57	
minimum elong	-1650 May 17 j 14:07	10°♉37'47	1°31'56	
max. Earth dist.	-1650 May 18 j 02:42	10°♉41'55	9.96325 AU	
morning rise	-1650 Jun 04 j 18:18	12°♉59'59		
	-1650 Jun 20 j 17:46	15°♉		
retrograde	-1650 Sep 17 j 18:48	21°♉19'21		
opposition	-1650 Nov 23 j 06:27	17°♉50'13	-1°-37'-32	
min. Earth dist.	-1650 Nov 22 j 20:36	17°♉52'16	7.99014 AU	
	-1649 Jan 02 j 07:16	15°℞♉		
direct	-1649 Jan 29 j 01:25	14°♉20'32		
	-1649 Feb 24 j 19:52	15°♉		
evening set	-1649 May 14 j 17:43	22°♉39'09		
conjunction	-1649 Jun 01 j 22:48	25°♉00'33	-1°-2'-53	
minimum elong	-1649 Jun 01 j 22:51	25°♉00'34	1°02'53	
max. Earth dist.	-1649 Jun 02 j 12:00	25°♉04'51	10.02371 AU	
morning rise	-1649 Jun 20 j 02:27	27°♉21'29		
	-1649 Jul 11 j 15:23	0°♊		
retrograde	-1649 Oct 02 j 00:43	5°♊31'18		
opposition	-1649 Dec 07 j 10:33	2°♊03'26	0°-58'-46	
min. Earth dist.	-1649 Dec 07 j 00:59	2°♊05'25	8.06472 AU	
	-1648 Jan 03 j 03:27	30°℞♉		
direct	-1648 Feb 12 j 18:23	28°♉33'39		
	-1648 Mar 24 j 04:22	0°♊		
evening set	-1648 May 28 j 19:56	6°♊47'53		
conjunction	-1648 Jun 16 j 00:04	9°♊07'31	0°-30'-30	
minimum elong	-1648 Jun 16 j 00:05	9°♊07'32	0°30'29	
max. Earth dist.	-1648 Jun 16 j 12:32	9°♊11'32	10.11233 AU	
morning rise	-1648 Jul 04 j 01:34	11°♊26'18		
retrograde	-1648 Oct 14 j 20:54	19°♊25'08		
opposition	-1648 Dec 20 j 08:49	15°♊58'46	0°-17'-22	
min. Earth dist.	-1648 Dec 19 j 23:58	16°♊00'35	8.16483 AU	
direct	-1647 Feb 26 j 08:02	12°♊29'12		
asc. node	-1647 May 27 j 10:24	18°♊39'36		
evening set	-1647 Jun 12 j 13:35	20°♊37'04		
conjunction	-1647 Jun 30 j 15:06	22°♊54'10	0°03'04	
minimum elong	-1647 Jun 30 j 15:06	22°♊54'10	0°03'06	
behind sun begin	-1647 Jun 30 j 07:49	22°♊51'52		
behind sun end	-1647 Jun 30 j 22:23	22°♊56'28		
max. Earth dist.	-1647 Jul 01 j 02:08	22°♊57'40	10.22313 AU	
morning rise	-1647 Jul 18 j 13:05	25°♊10'06		
	-1647 Aug 30 j 17:12	0°♋		
retrograde	-1647 Oct 28 j 06:27	2°♋57'30		
	-1647 Dec 28 j 08:39	30°℞♊		
opposition	-1646 Jan 03 j 00:10	29°♊32'43	0°23'53	
min. Earth dist.	-1646 Jan 02 j 16:08	29°♊34'20	8.28398 AU	
direct	-1646 Mar 12 j 15:29	26°♊03'40		
	-1646 May 22 j 04:07	0°♋		
evening set	-1646 Jun 26 j 21:09	4°♋03'48		
conjunction	-1646 Jul 14 j 18:48	6°♋17'52	0°35'33	
minimum elong	-1646 Jul 14 j 18:46	6°♋17'51	0°35'34	
max. Earth dist.	-1646 Jul 15 j 03:59	6°♋20'44	10.34913 AU	
morning rise	-1646 Aug 01 j 12:09	8°♋30'31		
retrograde	-1646 Nov 10 j 07:45	16°♋06'39		
opposition	-1645 Jan 16 j 08:06	12°♋43'28	1°02'37	
min. Earth dist.	-1645 Jan 16 j 00:53	12°♋44'54	8.41495 AU	
direct	-1645 Mar 26 j 14:55	9°♋15'14		
evening set	-1645 Jul 10 j 17:33	17°♋06'51		
conjunction	-1645 Jul 28 j 10:24	19°♋17'36	1°05'23	
minimum elong	-1645 Jul 28 j 10:21	19°♋17'35	1°05'25	
max. Earth dist.	-1645 Jul 28 j 17:52	19°♋19'55	10.48305 AU	
morning rise	-1645 Aug 14 j 22:20	21°♋26'48		
retrograde	-1645 Nov 23 j 00:14	28°♋52'29		
opposition	-1644 Jan 29 j 09:05	25°♋30'50	1°36'58	
min. Earth dist.	-1644 Jan 29 j 03:02	25°♋32'01	8.55050 AU	
direct	-1644 Apr 08 j 06:17	22°♋03'38		

Attention, astronomical year style is used: The year -1644 in astronomical counting style is the year 1645 BCE in historical counting style.

evening set	-1644 Jul 23 j 02:19	29°♋46'27		
	-1644 Jul 24 j 23:30	0°♌		
conjunction	-1644 Aug 09 j 13:50	1°♌53'50	1°31'15	
minimum elong	-1644 Aug 09 j 13:47	1°♌53'49	1°31'16	
max. Earth dist.	-1644 Aug 09 j 19:48	1°♌55'39	10.61790 AU	
morning rise	-1644 Aug 26 j 20:06	3°♌59'38		
retrograde	-1644 Dec 04 j 08:56	11°♌16'03		
opposition	-1643 Feb 10 j 03:28	7°♌55'50	2°05'39	
min. Earth dist.	-1643 Feb 09 j 23:29	7°♌56'37	8.68394 AU	
direct	-1643 Apr 21 j 13:27	4°♌29'49		
evening set	-1643 Aug 04 j 23:57	12°♌04'00		
conjunction	-1643 Aug 22 j 06:02	14°♌08'11	1°52'14	
minimum elong	-1643 Aug 22 j 05:59	14°♌08'10	1°52'15	
max. Earth dist.	-1643 Aug 22 j 09:27	14°♌09'13	10.74744 AU	
	-1643 Aug 29 j 09:45	15°♌		
morning rise	-1643 Sep 08 j 06:56	16°♌10'51		
retrograde	-1643 Dec 16 j 11:07	23°♌19'19		
opposition	-1642 Feb 22 j 15:42	20°♌00'25	2°27'53	
min. Earth dist.	-1642 Feb 22 j 14:17	20°♌00'41	8.80931 AU	
direct	-1642 May 04 j 11:17	16°♌35'40		
evening set	-1642 Aug 17 j 11:11	24°♌01'42		
conjunction	-1642 Sep 03 j 12:06	26°♌03'01	2°07'48	
minimum elong	-1642 Sep 03 j 12:04	26°♌03'01	2°07'49	
max. Earth dist.	-1642 Sep 03 j 12:16	26°♌03'04	10.86617 AU	
morning rise	-1642 Sep 20 j 08:21	28°♌02'58		
	-1642 Oct 07 j 13:48	0°♍		
retrograde	-1642 Dec 28 j 05:55	5°♍05'00		
opposition	-1641 Mar 06 j 22:54	1°♍47'10	2°43'15	
min. Earth dist.	-1641 Mar 06 j 23:30	1°♍47'03	8.92129 AU	
	-1641 Mar 31 j 21:34	30°℞♌		
direct	-1641 May 17 j 03:27	28°♌23'44		
	-1641 Jul 01 j 12:04	0°♍		
evening set	-1641 Aug 29 j 13:02	5°♍42'20		
conjunction	-1641 Sep 15 j 09:27	7°♍41'13	2°17'43	
minimum elong	-1641 Sep 15 j 09:26	7°♍41'13	2°17'44	
max. Earth dist.	-1641 Sep 15 j 07:06	7°♍40'31	10.96932 AU	
morning rise	-1641 Oct 02 j 01:45	9°♍38'54		
retrograde	-1640 Jan 08 j 22:46	16°♍36'06		
opposition	-1640 Mar 18 j 01:56	13°♍19'05	2°51'38	
min. Earth dist.	-1640 Mar 18 j 03:50	13°♍18'44	9.01549 AU	
direct	-1640 May 28 j 13:31	9°♍56'58		
evening set	-1640 Sep 09 j 06:53	17°♍08'59		
conjunction	-1640 Sep 25 j 23:46	19°♍05'58	2°21'56	
minimum elong	-1640 Sep 25 j 23:46	19°♍05'58	2°21'57	
max. Earth dist.	-1640 Sep 25 j 20:05	19°♍04'53	11.05304 AU	
morning rise	-1640 Oct 12 j 12:55	21°♍01'54		
retrograde	-1639 Jan 19 j 12:59	27°♍55'48		
opposition	-1639 Mar 30 j 01:53	24°♍39'21	2°53'11	
min. Earth dist.	-1639 Mar 30 j 05:25	24°♍38'42	9.08854 AU	
direct	-1639 Jun 09 j 15:01	21°♍18'27		
evening set	-1639 Sep 20 j 18:18	28°♍24'55		
	-1639 Oct 04 j 10:19	0°♎		
conjunction	-1639 Oct 07 j 08:29	0°♎20'31	2°20'35	
minimum elong	-1639 Oct 07 j 08:29	0°♎20'31	2°20'35	
max. Earth dist.	-1639 Oct 07 j 03:03	0°♎18'56	11.11437 AU	
morning rise	-1639 Oct 23 j 19:32	2°♎15'18		
retrograde	-1638 Jan 31 j 01:15	9°♎07'28		
opposition	-1638 Apr 10 j 23:52	5°♎51'17	2°48'07	
min. Earth dist.	-1638 Apr 11 j 05:49	5°♎50'12	9.13787 AU	
direct	-1638 Jun 21 j 13:25	2°♎31'26		
evening set	-1638 Oct 02 j 01:04	9°♎33'32		
conjunction	-1638 Oct 18 j 13:16	11°♎28'17	2°13'55	
minimum elong	-1638 Oct 18 j 13:17	11°♎28'18	2°13'53	
max. Earth dist.	-1638 Oct 18 j 05:08	11°♎25'55	11.15124 AU	
morning rise	-1638 Nov 03 j 23:22	13°♎22'28		
retrograde	-1637 Feb 11 j 13:38	20°♎14'27		
opposition	-1637 Apr 22 j 20:54	16°♎58'15	2°36'49	
min. Earth dist.	-1637 Apr 23 j 04:39	16°♎56'50	9.16185 AU	
direct	-1637 Jul 03 j 08:29	13°♎39'15		
evening set	-1637 Oct 13 j 04:41	20°♎38'15		
conjunction	-1637 Oct 29 j 15:57	22°♎32'42	2°02'14	
minimum elong	-1637 Oct 29 j 15:59	22°♎32'43	2°02'14	
max. Earth dist.	-1637 Oct 29 j 06:25	22°♎29'55	11.16248 AU	
morning rise	-1637 Nov 15 j 01:59	24°♎26'50		
	-1636 Jan 13 j 04:48	0°♏		
retrograde	-1636 Feb 23 j 03:08	1°♏20'14		
	-1636 Apr 05 j 08:13	30°℞♎		
opposition	-1636 May 03 j 18:07	28°♎03'40	2°19'44	
min. Earth dist.	-1636 May 04 j 02:33	28°♎02'08	9.15967 AU	
direct	-1636 Jul 14 j 01:45	24°♎45'18		
	-1636 Oct 07 j 21:35	0°♏		
evening set	-1636 Oct 23 j 06:48	1°♏42'32		
conjunction	-1636 Nov 08 j 18:07	3°♏37'12	1°46'00	
minimum elong	-1636 Nov 08 j 18:09	3°♏37'13	1°45'59	
max. Earth dist.	-1636 Nov 08 j 08:17	3°♏34'19	11.14746 AU	
morning rise	-1636 Nov 25 j 04:49	5°♏31'47		
retrograde	-1635 Mar 05 j 21:40	12°♏28'11		
opposition	-1635 May 15 j 16:32	9°♏10'59	1°57'24	
min. Earth dist.	-1635 May 16 j 01:26	9°♏09'22	9.13101 AU	
direct	-1635 Jul 25 j 17:46	5°♏53'00		
evening set	-1635 Nov 03 j 09:38	12°♏49'54		
conjunction	-1635 Nov 19 j 21:31	14°♏45'17	1°25'40	
minimum elong	-1635 Nov 19 j 21:34	14°♏45'17	1°25'39	
max. Earth dist.	-1635 Nov 19 j 10:27	14°♏42'02	11.10616 AU	
	-1635 Nov 21 j 23:39	15°♏		
morning rise	-1635 Dec 06 j 09:43	16°♏40'50		
retrograde	-1634 Mar 17 j 18:39	23°♏41'47		
opposition	-1634 May 27 j 17:15	20°♏23'42	1°30'25	
min. Earth dist.	-1634 May 28 j 03:27	20°♏21'49	9.07628 AU	
direct	-1634 Aug 06 j 08:13	17°♏05'49		
evening set	-1634 Nov 14 j 14:48	24°♏04'01		
conjunction	-1634 Dec 01 j 03:49	26°♏00'33	1°01'51	
minimum elong	-1634 Dec 01 j 03:51	26°♏00'34	1°01'49	
max. Earth dist.	-1634 Nov 30 j 15:12	25°♏56'49	11.03936 AU	
morning rise	-1634 Dec 17 j 18:17	27°♏57'33		
	-1633 Jan 05 j 00:21	0°♐		
retrograde	-1633 Mar 29 j 21:25	5°♐04'45		
opposition	-1633 Jun 08 j 21:40	1°♐45'30	0°59'32	
min. Earth dist.	-1633 Jun 09 j 08:44	1°♐43'28	8.99683 AU	
	-1633 Jul 03 j 23:53	30°℞♏		
direct	-1633 Aug 18 j 02:37	28°♏27'27		
	-1633 Sep 30 j 17:12	0°♐		
evening set	-1633 Nov 26 j 00:00	5°♐28'37		
conjunction	-1633 Dec 12 j 14:51	7°♐26'46	0°35'14	
minimum elong	-1633 Dec 12 j 14:53	7°♐26'47	0°35'12	
max. Earth dist.	-1633 Dec 12 j 02:10	7°♐22'59	10.94900 AU	
morning rise	-1633 Dec 29 j 08:00	9°♐25'39		
retrograde	-1632 Apr 10 j 07:23	16°♐40'43		
opposition	-1632 Jun 20 j 06:37	13°♐20'05	0°25'38	
min. Earth dist.	-1632 Jun 20 j 17:17	13°♐18'06	8.89552 AU	
direct	-1632 Aug 28 j 23:31	10°♐01'37		
evening set	-1632 Dec 06 j 15:27	17°♐07'22		

Attention, astronomical year style is used: The year -1632 in astronomical counting style is the year 1633 BCE in historical counting style.

conjunction	-1632 Dec 23 j 08:41	19°♐07'32	0°06'42
minimum elong	-1632 Dec 23 j 08:41	19°♐07'32	0°06'40
behind sun begin	-1632 Dec 23 j 02:07	19°♐05'35	
behind sun end	-1632 Dec 23 j 15:14	19°♐09'30	
max. Earth dist.	-1632 Dec 22 j 21:11	19°♐04'05	10.83863 AU
morning rise	-1631 Jan 09 j 04:44	21°♐08'39	
desc. node	-1631 Mar 18 j 18:47	27°♐32'41	
retrograde	-1631 Apr 23 j 01:37	28°♐32'58	
opposition	-1631 Jul 02 j 20:53	25°♐10'45	0°-10'-10
min. Earth dist.	-1631 Jul 03 j 06:09	25°♐09'00	8.77669 AU
direct	-1631 Sep 10 j 00:42	21°♐51'36	
evening set	-1631 Dec 18 j 14:51	29°♐03'32	
	-1631 Dec 26 j 10:07	0°♑	
conjunction	-1630 Jan 04 j 10:35	1°♑06'01	0°-22'-51
minimum elong	-1630 Jan 04 j 10:34	1°♑06'01	0°22'54
max. Earth dist.	-1630 Jan 03 j 23:53	1°♑02'46	10.71306 AU
morning rise	-1630 Jan 21 j 09:55	3°♑09'41	
retrograde	-1630 May 06 j 05:50	10°♑44'22	
opposition	-1630 Jul 15 j 17:42	7°♑20'29	0°-46'-35
min. Earth dist.	-1630 Jul 16 j 01:40	7°♑18'58	8.64554 AU
direct	-1630 Sep 22 j 06:40	4°♑00'25	
evening set	-1630 Dec 30 j 23:36	11°♑19'56	
conjunction	-1629 Jan 16 j 22:04	13°♑24'59	0°-52'-2
minimum elong	-1629 Jan 16 j 22:02	13°♑24'58	0°52'04
max. Earth dist.	-1629 Jan 16 j 12:18	13°♑21'57	10.57786 AU
morning rise	-1629 Feb 03 j 00:57	15°♑31'26	
retrograde	-1629 May 19 j 17:27	23°♑17'17	
opposition	-1629 Jul 28 j 21:31	19°♑51'41	-1°-21'-59
min. Earth dist.	-1629 Jul 29 j 04:13	19°♑50'23	8.50803 AU
direct	-1629 Oct 04 j 19:47	16°♑30'27	
evening set	-1628 Jan 12 j 19:17	23°♑58'51	
conjunction	-1628 Jan 29 j 20:51	26°♑06'39	-1°-19'-30
minimum elong	-1628 Jan 29 j 20:48	26°♑06'38	1°19'32
max. Earth dist.	-1628 Jan 29 j 13:05	26°♑04'13	10.43923 AU
morning rise	-1628 Feb 16 j 03:21	28°♑16'00	
	-1628 Mar 01 j 13:36	0°♒	
retrograde	-1628 Jun 01 j 13:41	6°♒13'18	
opposition	-1628 Aug 10 j 08:17	2°♒46'02	-1°-54'-27
min. Earth dist.	-1628 Aug 10 j 13:20	2°♒45'03	8.37065 AU
	-1628 Sep 20 j 13:20	30°℞♑	
direct	-1628 Oct 16 j 18:04	29°♑23'31	
	-1628 Nov 11 j 13:43	0°♒	
evening set	-1627 Jan 25 j 02:43	7°♒01'42	
conjunction	-1627 Feb 11 j 07:45	9°♒12'22	-1°-43'-40
minimum elong	-1627 Feb 11 j 07:42	9°♒12'21	1°43'42
max. Earth dist.	-1627 Feb 11 j 03:09	9°♒10'53	10.30387 AU
morning rise	-1627 Feb 28 j 17:49	11°♒24'38	
	-1627 Mar 31 j 09:05	15°♒	
retrograde	-1627 Jun 15 j 19:17	19°♒33'01	
opposition	-1627 Aug 24 j 02:11	16°♒04'14	-2°-21'-55
min. Earth dist.	-1627 Aug 24 j 04:38	16°♒03'45	8.24021 AU
	-1627 Sep 06 j 16:59	15°℞♒	
direct	-1627 Oct 30 j 00:17	12°♒40'22	
	-1627 Dec 20 j 04:15	15°♒	
evening set	-1626 Feb 07 j 22:15	20°♒28'42	
conjunction	-1626 Feb 25 j 06:59	22°♒42'13	-2°-2'-51
minimum elong	-1626 Feb 25 j 06:56	22°♒42'12	2°02'53
max. Earth dist.	-1626 Feb 25 j 05:54	22°♒41'52	10.17888 AU
morning rise	-1626 Mar 14 j 20:35	24°♒57'20	
	-1626 Apr 28 j 05:38	0°♓	
retrograde	-1626 Jun 30 j 09:40	3°♓15'36	
	-1626 Sep 04 j 03:24	30°℞♒	
opposition	-1626 Sep 07 j 02:43	29°♒45'34	-2°-42'-16
min. Earth dist.	-1626 Sep 07 j 02:11	29°♒45'40	8.12379 AU
direct	-1626 Nov 12 j 14:01	26°♒20'19	
	-1625 Jan 16 j 13:05	0°♓	
evening set	-1625 Feb 22 j 05:43	4°♓18'34	
conjunction	-1625 Mar 11 j 18:24	6°♓34'48	-2°-15'-29
minimum elong	-1625 Mar 11 j 18:22	6°♓34'48	2°15'30
max. Earth dist.	-1625 Mar 11 j 20:42	6°♓35'34	10.07152 AU
morning rise	-1625 Mar 29 j 11:38	8°♓52'34	
retrograde	-1625 Jul 15 j 05:28	17°♓18'33	
opposition	-1625 Sep 21 j 08:47	13°♓47'36	-2°-53'-33
min. Earth dist.	-1625 Sep 21 j 05:30	13°♓48'17	8.02830 AU
direct	-1625 Nov 26 j 12:54	10°♓21'03	
evening set	-1624 Mar 07 j 23:52	18°♓28'15	
conjunction	-1624 Mar 25 j 16:39	20°♓46'56	-2°-20'-15
minimum elong	-1624 Mar 25 j 16:40	20°♓46'56	2°20'16
max. Earth dist.	-1624 Mar 25 j 21:48	20°♓48'37	9.98843 AU
morning rise	-1624 Apr 12 j 13:31	23°♓06'57	
	-1624 Jun 16 j 03:37	0°♈	
retrograde	-1624 Jul 29 j 04:23	1°♈37'42	
	-1624 Sep 10 j 14:31	30°℞♓	
opposition	-1624 Oct 04 j 19:04	28°♓06'17	-2°-54'-23
min. Earth dist.	-1624 Oct 04 j 13:41	28°♓07'24	7.95971 AU
direct	-1624 Dec 09 j 19:42	24°♓38'31	
	-1623 Feb 27 j 20:35	0°♈	
evening set	-1623 Mar 23 j 02:31	2°♈52'56	
conjunction	-1623 Apr 09 j 23:19	5°♈13'36	-2°-16'-22
minimum elong	-1623 Apr 09 j 23:21	5°♈13'36	2°16'23
max. Earth dist.	-1623 Apr 10 j 06:57	5°♈16'07	9.93509 AU
morning rise	-1623 Apr 27 j 23:25	7°♈35'19	
retrograde	-1623 Aug 13 j 03:43	16°♈07'19	
opposition	-1623 Oct 19 j 07:35	12°♈35'54	-2°-44'-9
min. Earth dist.	-1623 Oct 19 j 00:39	12°♈37'21	7.92274 AU
direct	-1623 Dec 24 j 08:42	9°♈07'08	
evening set	-1622 Apr 07 j 10:52	17°♈26'21	
conjunction	-1622 Apr 25 j 11:21	19°♈48'22	-2°-3'-48
minimum elong	-1622 Apr 25 j 11:24	19°♈48'23	2°03'49
max. Earth dist.	-1622 Apr 25 j 21:16	19°♈51'39	9.91540 AU
morning rise	-1622 May 13 j 14:04	22°♈11'02	
	-1622 Jul 31 j 23:57	0°♉	
retrograde	-1622 Aug 28 j 00:48	0°♉40'35	
	-1622 Sep 24 j 02:43	30°℞♈	
opposition	-1622 Nov 02 j 20:15	27°♈09'39	-2°-23'-17
min. Earth dist.	-1622 Nov 02 j 11:58	27°♈11'23	7.92018 AU
direct	-1621 Jan 08 j 01:45	23°♈40'08	
	-1621 Apr 06 j 19:27	0°♉	
evening set	-1621 Apr 22 j 21:40	2°♉01'25	
conjunction	-1621 May 11 j 01:01	4°♉23'57	-1°-43'-19
minimum elong	-1621 May 11 j 01:05	4°♉23'58	1°43'19
max. Earth dist.	-1621 May 11 j 12:44	4°♉27'48	9.93085 AU
morning rise	-1621 May 29 j 05:19	6°♉46'41	
	-1621 Aug 29 j 04:49	15°♉	
retrograde	-1621 Sep 11 j 17:29	15°♉10'21	
	-1621 Sep 25 j 06:01	15°℞♉	
opposition	-1621 Nov 17 j 06:59	11°♉40'20	-1°-53'-19
min. Earth dist.	-1621 Nov 16 j 21:34	11°♉42'18	7.95233 AU
direct	-1620 Jan 22 j 21:26	8°♉10'25	
	-1620 Apr 25 j 06:36	15°♉	
evening set	-1620 May 07 j 07:32	16°♉30'56	
conjunction	-1620 May 25 j 12:26	18°♉53'01	-1°-16'-26
minimum elong	-1620 May 25 j 12:29	18°♉53'02	1°16'25

Attention, astronomical year style is used: The year -1620 in astronomical counting style is the year 1621 BCE in historical counting style.

max. Earth dist.	-1620 May 26 j 01:22	18°♉57'15	9.98038 AU
morning rise	-1620 Jun 12 j 16:47	21°♉14'52	
retrograde	-1620 Sep 25 j 02:44	29°♉29'53	
opposition	-1620 Nov 30 j 13:47	26°♉01'10	-1°-16'-35
min. Earth dist.	-1620 Nov 30 j 03:21	26°♉03'20	8.01711 AU
direct	-1619 Feb 05 j 16:18	22°♉31'13	
	-1619 May 16 j 03:29	0°♊	
evening set	-1619 May 22 j 13:03	0°♊48'19	
conjunction	-1619 Jun 09 j 17:53	3°♊09'00	0°-45'-10
minimum elong	-1619 Jun 09 j 17:56	3°♊09'01	0°45'10
max. Earth dist.	-1619 Jun 10 j 07:37	3°♊13'27	10.06068 AU
morning rise	-1619 Jun 27 j 20:42	5°♊29'01	
retrograde	-1619 Oct 09 j 03:40	13°♊33'34	
opposition	-1619 Dec 14 j 15:15	10°♊06'25	0°-35'-53
min. Earth dist.	-1619 Dec 14 j 04:23	10°♊08'39	8.11032 AU
direct	-1618 Feb 20 j 07:40	6°♊36'46	
evening set	-1618 Jun 06 j 11:20	14°♊48'12	
conjunction	-1618 Jun 24 j 14:26	17°♊06'40	0°-11'-51
minimum elong	-1618 Jun 24 j 14:27	17°♊06'40	0°11'50
behind sun begin	-1618 Jun 24 j 09:26	17°♊05'05	
behind sun end	-1618 Jun 24 j 19:27	17°♊08'16	
max. Earth dist.	-1618 Jun 25 j 04:07	17°♊11'03	10.16638 AU
morning rise	-1618 Jul 12 j 14:12	19°♊24'04	
retrograde	-1618 Oct 22 j 19:45	27°♊17'11	
asc. node	-1618 Nov 05 j 03:57	27°♊07'14	
opposition	-1618 Dec 28 j 10:17	23°♊51'46	0°05'50
min. Earth dist.	-1618 Dec 28 j 00:06	23°♊53'51	8.22589 AU
direct	-1617 Mar 06 j 17:06	20°♊22'42	
evening set	-1617 Jun 21 j 00:29	28°♊26'52	
	-1617 Jul 03 j 09:55	0°♋	
conjunction	-1617 Jul 09 j 00:12	0°♋42'26	0°21'27
minimum elong	-1617 Jul 09 j 00:11	0°♋42'26	0°21'29
max. Earth dist.	-1617 Jul 09 j 12:34	0°♋46'21	10.29065 AU
morning rise	-1617 Jul 26 j 19:37	2°♋56'40	
retrograde	-1617 Nov 05 j 02:59	10°♋38'12	
opposition	-1616 Jan 10 j 22:14	7°♋14'34	0°46'01
min. Earth dist.	-1616 Jan 10 j 13:39	7°♋16'18	8.35670 AU
direct	-1616 Mar 19 j 19:54	3°♋46'19	
evening set	-1616 Jul 04 j 02:48	11°♋42'08	
conjunction	-1616 Jul 21 j 21:53	13°♋54'25	0°52'42
minimum elong	-1616 Jul 21 j 21:51	13°♋54'24	0°52'44
max. Earth dist.	-1616 Jul 22 j 07:52	13°♋57'32	10.42609 AU
morning rise	-1616 Aug 08 j 12:11	16°♋05'11	
retrograde	-1616 Nov 16 j 23:12	23°♋35'39	
opposition	-1615 Jan 23 j 03:03	20°♋13'45	1°22'31
min. Earth dist.	-1615 Jan 22 j 20:26	20°♋15'03	8.49517 AU
direct	-1615 Apr 02 j 16:19	16°♋46'30	
evening set	-1615 Jul 17 j 17:18	24°♋33'25	
conjunction	-1615 Aug 04 j 07:06	26°♋42'14	1°20'28
minimum elong	-1615 Aug 04 j 07:03	26°♋42'14	1°20'29
max. Earth dist.	-1615 Aug 04 j 13:52	26°♋44'20	10.56505 AU
morning rise	-1615 Aug 21 j 15:58	28°♋49'32	
	-1615 Aug 31 j 13:55	0°♌	
retrograde	-1615 Nov 29 j 10:25	6°♌09'59	
opposition	-1614 Feb 05 j 00:41	2°♌49'37	1°53'49
min. Earth dist.	-1614 Feb 04 j 19:49	2°♌50'34	8.63346 AU
	-1614 Mar 19 j 22:08	30°℞♋	
direct	-1614 Apr 16 j 04:47	29°♋23'31	
	-1614 May 13 j 07:40	0°♌	
evening set	-1614 Jul 30 j 20:22	7°♌01'31	
conjunction	-1614 Aug 17 j 04:44	9°♌07'01	1°43'40
minimum elong	-1614 Aug 17 j 04:41	9°♌07'00	1°43'41
max. Earth dist.	-1614 Aug 17 j 08:34	9°♌08'11	10.69985 AU
morning rise	-1614 Sep 03 j 08:07	11°♌11'00	
	-1614 Oct 08 j 05:42	15°♌	
retrograde	-1614 Dec 11 j 15:56	18°♌22'47	
opposition	-1613 Feb 17 j 15:43	15°♌03'46	2°18'56
min. Earth dist.	-1613 Feb 17 j 12:46	15°♌04'20	8.76405 AU
	-1613 Feb 18 j 11:22	15°℞♌	
direct	-1613 Apr 29 j 07:29	11°♌38'55	
	-1613 Jul 04 j 20:44	15°♌	
evening set	-1613 Aug 12 j 12:29	19°♌08'28	
conjunction	-1613 Aug 29 j 15:40	21°♌10'58	2°01'38
minimum elong	-1613 Aug 29 j 15:38	21°♌10'57	2°01'39
max. Earth dist.	-1613 Aug 29 j 17:06	21°♌11'24	10.82366 AU
morning rise	-1613 Sep 15 j 13:52	23°♌12'01	
	-1613 Dec 05 j 16:54	0°♍	
retrograde	-1613 Dec 23 j 14:55	0°♍16'44	
	-1612 Jan 10 j 16:12	30°℞♌	
opposition	-1612 Mar 01 j 01:26	26°♌58'52	2°37'18
min. Earth dist.	-1612 Mar 01 j 00:49	26°♌58'59	8.88096 AU
direct	-1612 May 11 j 02:14	23°♌35'17	
	-1612 Aug 15 j 11:41	0°♍	
evening set	-1612 Aug 23 j 18:38	0°♍57'06	
conjunction	-1612 Sep 09 j 17:06	2°♍57'00	2°14'01
minimum elong	-1612 Sep 09 j 17:04	2°♍56'59	2°14'02
max. Earth dist.	-1612 Sep 09 j 16:04	2°♍56'42	10.93163 AU
morning rise	-1612 Sep 26 j 10:53	4°♍55'35	
retrograde	-1611 Jan 03 j 09:42	11°♍54'53	
opposition	-1611 Mar 13 j 06:40	8°♍37'52	2°48'44
min. Earth dist.	-1611 Mar 13 j 09:02	8°♍37'26	8.98021 AU
direct	-1611 May 23 j 14:09	5°♍15'29	
evening set	-1611 Sep 04 j 16:23	12°♍30'26	
conjunction	-1611 Sep 21 j 10:44	14°♍28'14	2°20'42
minimum elong	-1611 Sep 21 j 10:43	14°♍28'13	2°20'43
max. Earth dist.	-1611 Sep 21 j 06:19	14°♍26'55	11.02048 AU
morning rise	-1611 Oct 08 j 01:10	16°♍24'54	
retrograde	-1610 Jan 14 j 23:30	23°♍20'15	
opposition	-1610 Mar 25 j 08:06	20°♍03'48	2°53'13
min. Earth dist.	-1610 Mar 25 j 12:50	20°♍02'55	9.05877 AU
direct	-1610 Jun 04 j 19:23	16°♍42'29	
evening set	-1610 Sep 16 j 06:58	23°♍51'33	
conjunction	-1610 Oct 02 j 22:09	25°♍47'45	2°21'44
minimum elong	-1610 Oct 02 j 22:09	25°♍47'45	2°21'44
max. Earth dist.	-1610 Oct 02 j 15:13	25°♍45'43	11.08754 AU
morning rise	-1610 Oct 19 j 10:11	27°♍43'03	
	-1610 Nov 09 j 03:35	0°♎	
retrograde	-1609 Jan 26 j 12:25	4°♎36'04	
opposition	-1609 Apr 06 j 07:09	1°♎19'49	2°50'59
min. Earth dist.	-1609 Apr 06 j 13:12	1°♎18'42	9.11414 AU
	-1609 Apr 24 j 20:28	30°℞♍	
direct	-1609 Jun 16 j 22:03	27°♍59'26	
	-1609 Aug 07 j 03:31	0°♎	
evening set	-1609 Sep 27 j 15:45	5°♎03'41	
conjunction	-1609 Oct 14 j 04:49	6°♎58'50	2°17'20
minimum elong	-1609 Oct 14 j 04:51	6°♎58'50	2°17'19
max. Earth dist.	-1609 Oct 13 j 20:56	6°♎56'32	11.13068 AU
morning rise	-1609 Oct 30 j 15:16	8°♎53'18	
retrograde	-1608 Feb 07 j 02:02	15°♎45'33	
opposition	-1608 Apr 17 j 04:46	12°♎29'11	2°42'21
min. Earth dist.	-1608 Apr 17 j 11:55	12°♎27'53	9.14465 AU
direct	-1608 Jun 27 j 18:29	9°♎09'36	
evening set	-1608 Oct 07 j 20:42	16°♎10'10	

Attention, astronomical year style is used: The year -1608 in astronomical counting style is the year 1609 BCE in historical counting style.

conjunction	-1608 Oct 24 j 08:30	18°♎04'50	2°07'46
minimum elong	-1608 Oct 24 j 08:32	18°♎04'50	2°07'46
max. Earth dist.	-1608 Oct 23 j 23:18	18°♎02'09	11.14861 AU
morning rise	-1608 Nov 09 j 18:25	19°♎59'03	
retrograde	-1607 Feb 17 j 14:45	26°♎52'02	
opposition	-1607 Apr 29 j 01:54	23°♎35'19	2°27'43
min. Earth dist.	-1607 Apr 29 j 10:52	23°♎33'41	9.14954 AU
direct	-1607 Jul 09 j 11:01	20°♎16'16	
evening set	-1607 Oct 18 j 23:31	27°♎14'35	
conjunction	-1607 Nov 04 j 10:45	29°♎09'15	1°53'26
minimum elong	-1607 Nov 04 j 10:48	29°♎09'16	1°53'26
max. Earth dist.	-1607 Nov 03 j 23:33	29°♎05'59	11.14096 AU
	-1607 Nov 11 j 16:36	0°♏	
morning rise	-1607 Nov 20 j 21:13	1°♏03'45	
retrograde	-1606 Mar 01 j 06:20	7°♏59'06	
opposition	-1606 May 10 j 23:50	4°♏41'45	2°07'34
min. Earth dist.	-1606 May 11 j 10:13	4°♏39'51	9.12872 AU
direct	-1606 Jul 21 j 04:01	1°♏23'03	
evening set	-1606 Oct 30 j 01:52	8°♏20'31	
conjunction	-1606 Nov 15 j 13:24	10°♏15'43	1°34'48
minimum elong	-1606 Nov 15 j 13:27	10°♏15'43	1°34'47
max. Earth dist.	-1606 Nov 15 j 01:21	10°♏12'10	11.10796 AU
morning rise	-1606 Dec 02 j 01:06	12°♏10'59	
	-1606 Dec 27 j 23:33	15°♏	
retrograde	-1605 Mar 13 j 00:50	19°♏10'20	
opposition	-1605 May 22 j 23:38	15°♏52'05	1°42'29
min. Earth dist.	-1605 May 23 j 10:04	15°♏50'10	9.08288 AU
	-1605 Jun 03 j 22:24	15°℞♏	
direct	-1605 Aug 01 j 19:59	12°♏33'35	
	-1605 Sep 26 j 19:14	15°♏	
evening set	-1605 Nov 10 j 05:45	19°♏31'42	
conjunction	-1605 Nov 26 j 18:25	21°♏27'53	1°12'23
minimum elong	-1605 Nov 26 j 18:27	21°♏27'54	1°12'21
max. Earth dist.	-1605 Nov 26 j 06:54	21°♏24'29	11.05064 AU
morning rise	-1605 Dec 13 j 07:53	23°♏24'24	
	-1604 Feb 28 j 11:30	0°♐	
retrograde	-1604 Mar 24 j 02:57	0°♐29'22	
	-1604 Apr 18 j 00:36	30°℞♏	
opposition	-1604 Jun 03 j 02:24	27°♏10'01	1°13'09
min. Earth dist.	-1604 Jun 03 j 12:18	27°♏08'11	9.01354 AU
direct	-1604 Aug 12 j 13:32	23°♏51'29	
	-1604 Nov 13 j 00:46	0°♐	
evening set	-1604 Nov 20 j 13:04	0°♐51'48	
conjunction	-1604 Dec 07 j 03:19	2°♐49'26	0°46'51
minimum elong	-1604 Dec 07 j 03:20	2°♐49'27	0°46'49
max. Earth dist.	-1604 Dec 06 j 15:43	2°♐45'59	10.97081 AU
morning rise	-1604 Dec 23 j 19:13	4°♐47'39	
retrograde	-1603 Apr 05 j 10:11	11°♐59'43	
opposition	-1603 Jun 15 j 09:21	8°♐39'08	0°40'23
min. Earth dist.	-1603 Jun 15 j 19:06	8°♐37'19	8.92295 AU
direct	-1603 Aug 24 j 07:00	5°♐20'21	
evening set	-1603 Dec 02 j 01:47	12°♐24'31	
conjunction	-1603 Dec 18 j 17:55	14°♐23'56	0°19'00
minimum elong	-1603 Dec 18 j 17:56	14°♐23'57	0°18'57
max. Earth dist.	-1603 Dec 18 j 05:53	14°♐20'20	10.87117 AU
morning rise	-1602 Jan 04 j 12:47	16°♐24'14	
retrograde	-1602 Apr 17 j 23:44	23°♐44'53	
opposition	-1602 Jun 27 j 21:27	20°♐22'55	0°05'12
min. Earth dist.	-1602 Jun 28 j 07:09	20°♐21'06	8.81440 AU
desc. node	-1602 Aug 21 j 06:25	17°♐15'06	
direct	-1602 Sep 05 j 06:22	17°♐03'39	
evening set	-1602 Dec 13 j 21:37	24°♐13'16	

conjunction	-1602 Dec 30 j 16:08	26°♐14'51	0°-10'-18
minimum elong	-1602 Dec 30 j 16:08	26°♐14'51	0°10'21
behind sun begin	-1602 Dec 30 j 10:33	26°♐13'10	
behind sun end	-1602 Dec 30 j 21:43	26°♐16'32	
max. Earth dist.	-1602 Dec 30 j 05:14	26°♐11'33	10.75543 AU
morning rise	-1601 Jan 16 j 14:12	28°♐17'32	
	-1601 Jan 31 j 07:11	0°♑	
retrograde	-1601 Apr 30 j 23:13	5°♑48'04	
opposition	-1601 Jul 10 j 15:41	2°♑24'35	0°-31'-10
min. Earth dist.	-1601 Jul 11 j 00:07	2°♑22'59	8.69218 AU
	-1601 Aug 15 j 01:21	30°℞♐	
direct	-1601 Sep 17 j 11:30	29°♐04'39	
	-1601 Oct 20 j 03:14	0°♑	
evening set	-1601 Dec 26 j 02:12	6°♑21'10	
conjunction	-1600 Jan 11 j 23:34	8°♑25'12	0°-39'-46
minimum elong	-1600 Jan 11 j 23:32	8°♑25'12	0°39'49
max. Earth dist.	-1600 Jan 11 j 14:54	8°♑22'32	10.62816 AU
morning rise	-1600 Jan 29 j 00:56	10°♑30'33	
retrograde	-1600 May 13 j 08:01	18°♑11'55	
opposition	-1600 Jul 22 j 16:35	14°♑46'54	-1°-7'-12
min. Earth dist.	-1600 Jul 22 j 22:52	14°♑45'41	8.56132 AU
direct	-1600 Sep 28 j 21:35	11°♑26'07	
evening set	-1599 Jan 06 j 17:24	18°♑50'55	
conjunction	-1599 Jan 23 j 17:44	20°♑57'35	-1°-8'-9
minimum elong	-1599 Jan 23 j 17:41	20°♑57'34	1°08'11
max. Earth dist.	-1599 Jan 23 j 11:20	20°♑55'35	10.49487 AU
morning rise	-1599 Feb 09 j 22:30	23°♑05'43	
	-1599 Apr 22 j 20:54	0°♒	
retrograde	-1599 May 27 j 01:51	0°♒58'26	
	-1599 Jun 30 j 16:02	30°℞♑	
opposition	-1599 Aug 05 j 00:31	27°♑31'54	-1°-41'-9
min. Earth dist.	-1599 Aug 05 j 04:26	27°♑31'08	8.42781 AU
direct	-1599 Oct 11 j 15:35	24°♑10'07	
	-1598 Jan 05 j 11:13	0°♒	
evening set	-1598 Jan 19 j 20:06	1°♒44'15	
conjunction	-1598 Feb 05 j 23:34	3°♒53'42	-1°-33'-55
minimum elong	-1598 Feb 05 j 23:31	3°♒53'41	1°33'56
max. Earth dist.	-1598 Feb 05 j 19:03	3°♒52'16	10.36207 AU
morning rise	-1598 Feb 23 j 07:57	6°♒04'43	
retrograde	-1598 Jun 10 j 05:15	14°♒08'38	
opposition	-1598 Aug 18 j 15:54	10°♒40'44	-2°-10'-58
min. Earth dist.	-1598 Aug 18 j 17:46	10°♒40'22	8.29839 AU
direct	-1598 Oct 24 j 17:20	7°♒17'48	
evening set	-1597 Feb 02 j 10:48	15°♒01'50	
	-1597 Feb 02 j 04:58	15°♒	
conjunction	-1597 Feb 19 j 17:43	17°♒14'05	-1°-55'-23
minimum elong	-1597 Feb 19 j 17:40	17°♒14'04	1°55'24
max. Earth dist.	-1597 Feb 19 j 15:37	17°♒13'24	10.23674 AU
morning rise	-1597 Mar 09 j 05:49	19°♒27'58	
retrograde	-1597 Jun 24 j 16:45	27°♒42'11	
opposition	-1597 Sep 01 j 14:10	24°♒13'05	-2°-34'-31
min. Earth dist.	-1597 Sep 01 j 14:09	24°♒13'05	8.18002 AU
direct	-1597 Nov 07 j 03:58	20°♒48'54	
evening set	-1596 Feb 16 j 13:40	28°♒42'51	
	-1596 Feb 26 j 14:06	0°♓	
conjunction	-1596 Mar 05 j 00:24	0°♓57'49	-2°-10'-55
minimum elong	-1596 Mar 05 j 00:22	0°♓57'48	2°10'56
max. Earth dist.	-1596 Mar 05 j 01:16	0°♓58'06	10.12580 AU
morning rise	-1596 Mar 22 j 16:11	3°♓14'23	
retrograde	-1596 Jul 08 j 09:26	11°♓37'02	
opposition	-1596 Sep 14 j 18:10	8°♓07'01	-2°-49'-46
min. Earth dist.	-1596 Sep 14 j 16:07	8°♓07'26	8.07929 AU

Attention, astronomical year style is used: The year -1596 in astronomical counting style is the year 1597 BCE in historical counting style.

direct	-1596 Nov 20 j 00:48	4°♓41'33	
evening set	-1595 Mar 02 j 03:32	12°♓44'42	
conjunction	-1595 Mar 19 j 18:23	15°♓02'11	-2°-19'-6
minimum elong	-1595 Mar 19 j 18:23	15°♓02'11	2°19'06
max. Earth dist.	-1595 Mar 19 j 22:29	15°♓03'32	10.03557 AU
morning rise	-1595 Apr 06 j 13:42	17°♓21'06	
retrograde	-1595 Jul 23 j 06:01	25°♓49'37	
opposition	-1595 Sep 29 j 02:51	22°♓18'58	-2°-55'-4
min. Earth dist.	-1595 Sep 28 j 22:37	22°♓19'50	8.00172 AU
direct	-1595 Dec 04 j 05:08	18°♓52'17	
evening set	-1594 Mar 17 j 02:32	27°♓03'11	
conjunction	-1594 Apr 03 j 21:35	29°♓22'51	-2°-18'-53
minimum elong	-1594 Apr 03 j 21:37	29°♓22'51	2°18'54
max. Earth dist.	-1594 Apr 04 j 04:47	29°♓25'13	9.97099 AU
	-1594 Apr 08 j 14:26	0°♈	
morning rise	-1594 Apr 21 j 20:14	1°♈43'40	
retrograde	-1594 Aug 07 j 05:12	10°♈14'54	
opposition	-1594 Oct 13 j 14:29	6°♈44'02	-2°-49'-29
min. Earth dist.	-1594 Oct 13 j 08:05	6°♈45'22	7.95144 AU
direct	-1594 Dec 18 j 15:17	3°♈16'17	
evening set	-1593 Apr 01 j 08:39	11°♈33'03	
conjunction	-1593 Apr 19 j 07:42	13°♈54'22	-2°-9'-56
minimum elong	-1593 Apr 19 j 07:45	13°♈54'23	2°09'56
max. Earth dist.	-1593 Apr 19 j 17:17	13°♈57'32	9.93587 AU
morning rise	-1593 May 07 j 09:13	16°♈16'31	
retrograde	-1593 Aug 22 j 04:10	24°♈46'59	
opposition	-1593 Oct 28 j 03:04	21°♈16'21	-2°-33'00
min. Earth dist.	-1593 Oct 27 j 19:02	21°♈18'02	7.93210 AU
direct	-1592 Jan 02 j 05:42	17°♈47'43	
evening set	-1592 Apr 15 j 18:52	26°♈07'55	
conjunction	-1592 May 03 j 21:11	28°♈30'10	-1°-52'-39
minimum elong	-1592 May 03 j 21:15	28°♈30'12	1°52'39
max. Earth dist.	-1592 May 04 j 08:34	28°♈33'56	9.93357 AU
	-1592 May 15 j 06:13	0°♉	
morning rise	-1592 May 22 j 00:43	0°♉52'50	
retrograde	-1592 Sep 05 j 00:16	9°♉19'00	
opposition	-1592 Nov 10 j 14:52	5°♉49'02	-2°-6'-40
min. Earth dist.	-1592 Nov 10 j 05:47	5°♉50'56	7.94629 AU
direct	-1591 Jan 16 j 00:10	2°♉19'45	
evening set	-1591 May 01 j 05:27	10°♉40'32	
conjunction	-1591 May 19 j 09:51	13°♉02'48	-1°-28'-15
minimum elong	-1591 May 19 j 09:55	13°♉02'49	1°28'15
max. Earth dist.	-1591 May 19 j 22:26	13°♉06'56	9.96527 AU
	-1591 Jun 03 j 08:33	15°♉	
morning rise	-1591 Jun 06 j 14:09	15°♉25'01	
retrograde	-1591 Sep 19 j 13:11	23°♉43'48	
opposition	-1591 Nov 24 j 23:40	20°♉14'51	-1°-32'-31
min. Earth dist.	-1591 Nov 24 j 14:10	20°♉16'49	7.99387 AU
direct	-1590 Jan 30 j 19:49	16°♉45'12	
evening set	-1590 May 16 j 13:12	25°♉03'46	
conjunction	-1590 Jun 03 j 18:11	27°♉25'05	0°-58'-36
minimum elong	-1590 Jun 03 j 18:14	27°♉25'06	0°58'37
max. Earth dist.	-1590 Jun 04 j 06:55	27°♉29'14	10.02922 AU
morning rise	-1590 Jun 21 j 21:48	29°♉45'55	
	-1590 Jun 23 j 18:06	0°♊	
retrograde	-1590 Oct 03 j 17:13	7°♊54'57	
opposition	-1590 Dec 09 j 03:31	4°♊27'19	0°-53'-11
min. Earth dist.	-1590 Dec 08 j 18:16	4°♊29'14	8.07183 AU
direct	-1589 Feb 14 j 13:16	0°♊57'36	
evening set	-1589 May 31 j 14:56	9°♊11'32	
conjunction	-1589 Jun 18 j 18:50	11°♊31'00	0°-25'-55
minimum elong	-1589 Jun 18 j 18:52	11°♊31'00	0°25'55
max. Earth dist.	-1589 Jun 19 j 06:45	11°♊34'49	10.12102 AU
morning rise	-1589 Jul 06 j 20:10	13°♊49'34	
retrograde	-1589 Oct 17 j 12:12	21°♊47'30	
opposition	-1589 Dec 23 j 01:18	18°♊21'22	0°-11'-37
min. Earth dist.	-1589 Dec 22 j 16:18	18°♊23'12	8.17489 AU
direct	-1588 Feb 29 j 02:10	14°♊51'55	
asc. node	-1588 Apr 06 j 21:10	16°♊06'21	
evening set	-1588 Jun 14 j 07:58	22°♊59'15	
conjunction	-1588 Jul 02 j 09:09	25°♊16'07	0°07'39
minimum elong	-1588 Jul 02 j 09:09	25°♊16'07	0°07'40
behind sun begin	-1588 Jul 02 j 02:33	25°♊14'02	
behind sun end	-1588 Jul 02 j 15:44	25°♊18'11	
max. Earth dist.	-1588 Jul 02 j 20:03	25°♊19'34	10.23446 AU
morning rise	-1588 Jul 20 j 06:43	27°♊31'45	
	-1588 Aug 09 j 21:29	0°♋	
retrograde	-1588 Oct 29 j 22:17	5°♋18'10	
opposition	-1587 Jan 04 j 16:04	1°♋53'36	0°29'26
min. Earth dist.	-1587 Jan 04 j 07:27	1°♋55'20	8.29639 AU
	-1587 Jan 29 j 12:46	30°℞♊	
direct	-1587 Mar 14 j 08:30	28°♊24'43	
	-1587 Apr 26 j 18:44	0°♋	
evening set	-1587 Jun 28 j 14:34	6°♋24'08	
conjunction	-1587 Jul 16 j 11:48	8°♋37'53	0°39'53
minimum elong	-1587 Jul 16 j 11:46	8°♋37'52	0°39'54
max. Earth dist.	-1587 Jul 16 j 21:32	8°♋40'56	10.36251 AU
morning rise	-1587 Aug 03 j 04:31	10°♋50'12	
retrograde	-1587 Nov 11 j 22:26	18°♋25'19	
opposition	-1586 Jan 17 j 23:27	15°♋02'21	1°07'41
min. Earth dist.	-1586 Jan 17 j 15:44	15°♋03'53	8.42912 AU
direct	-1586 Mar 28 j 07:47	11°♋34'17	
evening set	-1586 Jul 12 j 09:50	19°♋25'02	
conjunction	-1586 Jul 30 j 02:11	21°♋35'25	1°09'14
minimum elong	-1586 Jul 30 j 02:09	21°♋35'24	1°09'16
max. Earth dist.	-1586 Jul 30 j 10:26	21°♋37'58	10.49783 AU
morning rise	-1586 Aug 16 j 13:26	23°♋44'16	
	-1586 Oct 19 j 12:49	0°♌	
retrograde	-1586 Nov 24 j 14:09	1°♌08'57	
	-1586 Dec 31 j 06:31	30°℞♋	
opposition	-1585 Jan 30 j 23:48	27°♋47'30	1°41'19
min. Earth dist.	-1585 Jan 30 j 17:57	27°♋48'39	8.56574 AU
direct	-1585 Apr 10 j 22:20	24°♋20'27	
	-1585 Jul 08 j 03:18	0°♌	
evening set	-1585 Jul 25 j 17:34	2°♌02'19	
conjunction	-1585 Aug 12 j 04:27	4°♌09'19	1°34'27
minimum elong	-1585 Aug 12 j 04:24	4°♌09'18	1°34'28
max. Earth dist.	-1585 Aug 12 j 10:25	4°♌11'08	10.63334 AU
morning rise	-1585 Aug 29 j 10:05	6°♌14'45	
retrograde	-1585 Dec 06 j 22:34	13°♌30'10	
opposition	-1584 Feb 12 j 17:28	10°♌10'09	2°09'07
min. Earth dist.	-1584 Feb 12 j 14:04	10°♌10'48	8.69954 AU
direct	-1584 Apr 23 j 03:46	6°♌44'16	
evening set	-1584 Aug 06 j 14:03	14°♌17'26	
	-1584 Aug 12 j 13:17	15°♌	
conjunction	-1584 Aug 23 j 19:25	16°♌21'15	1°54'41
minimum elong	-1584 Aug 23 j 19:22	16°♌21'14	1°54'43
max. Earth dist.	-1584 Aug 23 j 22:07	16°♌22'04	10.76287 AU
morning rise	-1584 Sep 09 j 19:50	18°♌23'34	
retrograde	-1584 Dec 17 j 21:39	25°♌31'07	
opposition	-1583 Feb 24 j 05:04	22°♌12'19	2°30'23
min. Earth dist.	-1583 Feb 24 j 03:42	22°♌12'35	8.82460 AU

Attention, astronomical year style is used: The year -1583 in astronomical counting style is the year 1584 BCE in historical counting style.

direct	-1583 May 06 j 02:17	18°♌47'42	
evening set	-1583 Aug 18 j 23:53	26°♌12'41	
conjunction	-1583 Sep 05 j 00:15	28°♌13'39	2°09'27
minimum elong	-1583 Sep 05 j 00:13	28°♌13'38	2°09'29
max. Earth dist.	-1583 Sep 05 j 00:08	28°♌13'37	10.88099 AU
	-1583 Sep 19 j 22:44	0°♍	
morning rise	-1583 Sep 21 j 20:04	0°♍13'16	
retrograde	-1583 Dec 29 j 17:20	7°♍14'30	
opposition	-1582 Mar 08 j 11:26	3°♍56'44	2°44'44
min. Earth dist.	-1582 Mar 08 j 11:29	3°♍56'43	8.93560 AU
direct	-1582 May 18 j 18:12	0°♍33'25	
evening set	-1582 Aug 31 j 00:34	7°♍50'57	
conjunction	-1582 Sep 16 j 20:39	9°♍49'33	2°18'33
minimum elong	-1582 Sep 16 j 20:38	9°♍49'33	2°18'34
max. Earth dist.	-1582 Sep 16 j 18:51	9°♍49'01	10.98290 AU
morning rise	-1582 Oct 03 j 12:29	11°♍46'56	
retrograde	-1581 Jan 10 j 09:47	18°♍43'23	
opposition	-1581 Mar 20 j 13:41	15°♍26'25	2°52'08
min. Earth dist.	-1581 Mar 20 j 15:28	15°♍26'05	9.02826 AU
direct	-1581 May 31 j 01:06	12°♍04'25	
evening set	-1581 Sep 11 j 17:24	19°♍15'25	
conjunction	-1581 Sep 28 j 09:59	21°♍12'09	2°21'58
minimum elong	-1581 Sep 28 j 09:59	21°♍12'09	2°21'58
max. Earth dist.	-1581 Sep 28 j 06:24	21°♍11'06	11.06486 AU
morning rise	-1581 Oct 14 j 22:47	23°♍07'52	
	-1580 Jan 17 j 04:55	0°♎	
retrograde	-1580 Jan 21 j 22:42	0°♎01'08	
	-1580 Jan 26 j 16:52	30°℞♍	
opposition	-1580 Mar 31 j 13:07	26°♍44'42	2°52'43
min. Earth dist.	-1580 Mar 31 j 17:17	26°♍43'56	9.09936 AU
direct	-1580 Jun 11 j 02:41	23°♍23'53	
	-1580 Sep 17 j 20:12	0°♎	
evening set	-1580 Sep 22 j 03:53	0°♎29'26	
conjunction	-1580 Oct 08 j 17:44	2°♎24'51	2°19'51
minimum elong	-1580 Oct 08 j 17:45	2°♎24'51	2°19'51
max. Earth dist.	-1580 Oct 08 j 11:30	2°♎23'01	11.12412 AU
morning rise	-1580 Oct 25 j 04:44	4°♎19'28	
retrograde	-1579 Feb 01 j 10:23	11°♎11'08	
opposition	-1579 Apr 12 j 10:35	7°♎54'57	2°46'45
min. Earth dist.	-1579 Apr 12 j 17:00	7°♎53'46	9.14648 AU
direct	-1579 Jun 23 j 00:22	4°♎35'09	
evening set	-1579 Oct 03 j 09:51	11°♎36'28	
conjunction	-1579 Oct 19 j 21:56	13°♎31'06	2°12'28
minimum elong	-1579 Oct 19 j 21:58	13°♎31'06	2°12'27
max. Earth dist.	-1579 Oct 19 j 13:30	13°♎28'38	11.15868 AU
morning rise	-1579 Nov 05 j 08:04	15°♎25'11	
retrograde	-1578 Feb 12 j 21:45	22°♎16'50	
opposition	-1578 Apr 24 j 06:58	19°♎00'35	2°34'38
min. Earth dist.	-1578 Apr 24 j 14:26	18°♎59'13	9.16797 AU
direct	-1578 Jul 04 j 19:03	15°♎41'37	
evening set	-1578 Oct 14 j 12:52	22°♎40'01	
conjunction	-1578 Oct 31 j 00:14	24°♎34'23	2°00'10
minimum elong	-1578 Oct 31 j 00:16	24°♎34'24	2°00'09
max. Earth dist.	-1578 Oct 30 j 15:12	24°♎31'45	11.16733 AU
morning rise	-1578 Nov 16 j 10:15	26°♎28'28	
	-1578 Dec 19 j 22:06	0°♏	
retrograde	-1577 Feb 24 j 13:36	3°♏21'42	
opposition	-1577 May 06 j 03:55	0°♏05'06	2°16'50
min. Earth dist.	-1577 May 06 j 12:02	0°♏03'37	9.16310 AU
	-1577 May 07 j 07:49	30°℞♎	
direct	-1577 Jul 16 j 11:54	26°♎46'48	
	-1577 Sep 19 j 23:28	0°♏	
evening set	-1577 Oct 25 j 14:43	3°♏43'33	
conjunction	-1577 Nov 11 j 02:04	5°♏38'12	1°43'21
minimum elong	-1577 Nov 11 j 02:06	5°♏38'13	1°43'20
max. Earth dist.	-1577 Nov 10 j 16:09	5°♏35'18	11.14968 AU
morning rise	-1577 Nov 27 j 12:52	7°♏32'48	
retrograde	-1576 Mar 07 j 06:18	14°♏29'12	
opposition	-1576 May 17 j 02:19	11°♏11'58	1°53'52
min. Earth dist.	-1576 May 17 j 11:38	11°♏10'15	9.13194 AU
direct	-1576 Jul 27 j 01:41	7°♏54'02	
evening set	-1576 Nov 04 j 17:25	14°♏50'40	
	-1576 Nov 06 j 01:53	15°♏	
conjunction	-1576 Nov 21 j 05:20	16°♏46'04	1°22'33
minimum elong	-1576 Nov 21 j 05:23	16°♏46'04	1°22'32
max. Earth dist.	-1576 Nov 20 j 17:33	16°♏42'36	11.10608 AU
morning rise	-1576 Dec 07 j 17:51	18°♏41'41	
retrograde	-1575 Mar 19 j 03:35	25°♏42'48	
opposition	-1575 May 29 j 03:00	22°♏24'40	1°26'23
min. Earth dist.	-1575 May 29 j 13:44	22°♏22'42	9.07515 AU
direct	-1575 Aug 07 j 17:54	19°♏06'48	
evening set	-1575 Nov 15 j 22:35	26°♏04'55	
conjunction	-1575 Dec 02 j 11:48	28°♏01'31	0°58'22
minimum elong	-1575 Dec 02 j 11:50	28°♏01'32	0°58'21
max. Earth dist.	-1575 Dec 01 j 23:19	27°♏57'49	11.03739 AU
morning rise	-1575 Dec 19 j 02:32	29°♏58'37	
	-1575 Dec 19 j 07:19	0°♐	
retrograde	-1574 Mar 31 j 06:37	7°♐06'07	
opposition	-1574 Jun 10 j 07:21	3°♐46'48	0°55'07
min. Earth dist.	-1574 Jun 10 j 18:15	3°♐44'47	8.99391 AU
direct	-1574 Aug 19 j 11:27	0°♐28'47	
evening set	-1574 Nov 27 j 07:59	7°♐29'58	
conjunction	-1574 Dec 13 j 23:07	9°♐28'14	0°31'31
minimum elong	-1574 Dec 13 j 23:08	9°♐28'14	0°31'29
max. Earth dist.	-1574 Dec 13 j 11:08	9°♐24'39	10.94516 AU
morning rise	-1574 Dec 30 j 16:24	11°♐27'13	
retrograde	-1573 Apr 12 j 17:32	18°♐42'46	
opposition	-1573 Jun 22 j 16:27	15°♐22'03	0°21'00
min. Earth dist.	-1573 Jun 23 j 02:33	15°♐20'10	8.89069 AU
direct	-1573 Aug 31 j 08:51	12°♐03'37	
evening set	-1573 Dec 08 j 23:53	19°♐09'36	
conjunction	-1573 Dec 25 j 17:16	21°♐09'54	0°02'53
minimum elong	-1573 Dec 25 j 17:17	21°♐09'54	0°02'52
behind sun begin	-1573 Dec 25 j 10:17	21°♐07'49	
behind sun end	-1573 Dec 26 j 00:16	21°♐12'00	
max. Earth dist.	-1573 Dec 25 j 05:36	21°♐06'24	10.83281 AU
morning rise	-1572 Jan 11 j 13:35	23°♐11'11	
desc. node	-1572 Jan 31 j 00:37	25°♐24'13	
	-1572 Mar 28 j 07:45	0°♑	
retrograde	-1572 Apr 24 j 13:34	0°♑36'08	
	-1572 May 22 j 00:57	30°℞♐	
opposition	-1572 Jul 04 j 07:10	27°♐13'53	0°-14'-52
min. Earth dist.	-1572 Jul 04 j 16:29	27°♐12'07	8.76989 AU
direct	-1572 Sep 11 j 09:16	23°♐54'45	
	-1572 Dec 10 j 11:51	0°♑	
evening set	-1572 Dec 19 j 23:57	1°♑07'07	
conjunction	-1571 Jan 05 j 19:49	3°♑09'46	0°-26'-38
minimum elong	-1571 Jan 05 j 19:48	3°♑09'46	0°26'40
max. Earth dist.	-1571 Jan 05 j 08:15	3°♑06'15	10.70534 AU
morning rise	-1571 Jan 22 j 19:32	5°♑13'39	
retrograde	-1571 May 07 j 16:56	12°♑49'08	
opposition	-1571 Jul 17 j 04:28	9°♑25'13	0°-51'-10

Attention, astronomical year style is used: The year -1571 in astronomical counting style is the year 1572 BCE in historical counting style.

min. Earth dist.	-1571 Jul 17 j 13:07	9°♑23'34	8.63693 AU	
direct	-1571 Sep 23 j 15:16	6°♑05'07		
evening set	-1570 Jan 01 j 09:34	13°♑25'21		
conjunction	-1570 Jan 18 j 08:14	15°♑30'35	0°-55'-37	
minimum elong	-1570 Jan 18 j 08:12	15°♑30'35	0°55'39	
max. Earth dist.	-1570 Jan 17 j 22:06	15°♑27'27	10.56845 AU	
morning rise	-1570 Feb 04 j 11:27	17°♑37'15		
retrograde	-1570 May 21 j 04:30	25°♑24'04		
opposition	-1570 Jul 30 j 08:48	21°♑58'26	-1°-26'-12	
min. Earth dist.	-1570 Jul 30 j 16:00	21°♑57'02	8.49795 AU	
direct	-1570 Oct 06 j 06:59	18°♑37'10		
evening set	-1569 Jan 14 j 06:13	26°♑06'26		
conjunction	-1569 Jan 31 j 08:06	28°♑14'28	-1°-22'-42	
minimum elong	-1569 Jan 31 j 08:04	28°♑14'27	1°22'44	
max. Earth dist.	-1569 Jan 31 j 00:50	28°♑12'11	10.42856 AU	
	-1569 Feb 14 j 08:59	0°♒		
morning rise	-1569 Feb 17 j 14:48	0°♒24'03		
retrograde	-1569 Jun 04 j 02:55	8°♒22'26		
opposition	-1569 Aug 12 j 20:18	4°♒55'07	-1°-58'-6	
min. Earth dist.	-1569 Aug 13 j 01:08	4°♒54'10	8.35967 AU	
direct	-1569 Oct 19 j 05:10	1°♒32'33		
evening set	-1568 Jan 27 j 14:48	9°♒11'42		
conjunction	-1568 Feb 13 j 20:12	11°♒22'37	-1°-46'-17	
minimum elong	-1568 Feb 13 j 20:09	11°♒22'36	1°46'19	
max. Earth dist.	-1568 Feb 13 j 16:09	11°♒21'19	10.29260 AU	
morning rise	-1568 Mar 02 j 06:27	13°♒35'09		
	-1568 Mar 13 j 19:07	15°♒		
retrograde	-1568 Jun 17 j 10:28	21°♒44'37		
opposition	-1568 Aug 25 j 14:56	18°♒15'46	-2°-24'-45	
min. Earth dist.	-1568 Aug 25 j 16:48	18°♒15'23	8.22901 AU	
	-1568 Oct 19 j 08:21	15°℞♒		
direct	-1568 Oct 31 j 11:06	14°♒51'50		
	-1568 Nov 12 j 12:49	15°♒		
evening set	-1567 Feb 09 j 11:42	22°♒41'13		
conjunction	-1567 Feb 26 j 20:45	24°♒54'59	-2°-4'-43	
minimum elong	-1567 Feb 26 j 20:42	24°♒54'59	2°04'44	
max. Earth dist.	-1567 Feb 26 j 19:37	24°♒54'38	10.16778 AU	
morning rise	-1567 Mar 16 j 10:38	27°♒10'23		
	-1567 Apr 08 j 18:11	0°♓		
retrograde	-1567 Jul 02 j 01:02	5°♓29'35		
opposition	-1567 Sep 08 j 16:07	1°♓59'29	-2°-44'-3	
min. Earth dist.	-1567 Sep 08 j 15:20	1°♓59'39	8.11314 AU	
	-1567 Oct 04 j 20:36	30°℞♒		
direct	-1567 Nov 14 j 02:31	28°♒34'10		
	-1567 Dec 23 j 12:43	0°♓		
evening set	-1566 Feb 23 j 20:21	6°♓33'29		
conjunction	-1566 Mar 13 j 09:18	8°♓49'58	-2°-16'-24	
minimum elong	-1566 Mar 13 j 09:17	8°♓49'58	2°16'26	
max. Earth dist.	-1566 Mar 13 j 11:03	8°♓50'33	10.06143 AU	
morning rise	-1566 Mar 31 j 02:55	11°♓07'59		
retrograde	-1566 Jul 16 j 20:49	19°♓34'43		
opposition	-1566 Sep 22 j 22:55	16°♓03'44	-2°-54'-6	
min. Earth dist.	-1566 Sep 22 j 19:51	16°♓04'22	8.01904 AU	
direct	-1566 Nov 28 j 02:19	12°♓37'04		
evening set	-1565 Mar 10 j 15:25	20°♓45'12		
conjunction	-1565 Mar 28 j 08:31	23°♓04'08	-2°-20'-7	
minimum elong	-1565 Mar 28 j 08:31	23°♓04'08	2°20'08	
max. Earth dist.	-1565 Mar 28 j 13:01	23°♓05'37	9.98017 AU	
morning rise	-1565 Apr 15 j 05:48	25°♓24'24		
	-1565 May 24 j 00:45	0°♈		
retrograde	-1565 Jul 31 j 20:01	3°♈55'36		

opposition	-1565 Oct 07 j 09:43	0°♈24'10	-2°-53'-34	
min. Earth dist.	-1565 Oct 07 j 04:51	0°♈25'11	7.95259 AU	
	-1565 Oct 12 j 06:21	30°℞♓		
direct	-1565 Dec 12 j 09:54	26°♓56'16		
	-1564 Feb 09 j 02:04	0°♈		
evening set	-1564 Mar 24 j 18:56	5°♈11'26		
conjunction	-1564 Apr 11 j 16:07	7°♈32'18	-2°-15'-9	
minimum elong	-1564 Apr 11 j 16:09	7°♈32'19	2°15'09	
max. Earth dist.	-1564 Apr 11 j 23:24	7°♈34'43	9.92930 AU	
morning rise	-1564 Apr 29 j 16:37	9°♈54'13		
retrograde	-1564 Aug 14 j 19:27	18°♈26'18		
opposition	-1564 Oct 20 j 22:27	14°♈54'54	-2°-41'-58	
min. Earth dist.	-1564 Oct 20 j 15:49	14°♈56'17	7.91830 AU	
direct	-1564 Dec 25 j 23:45	11°♈25'59		
evening set	-1563 Apr 09 j 03:48	19°♈45'43		
conjunction	-1563 Apr 27 j 04:40	22°♈07'52	-2°-1'-33	
minimum elong	-1563 Apr 27 j 04:44	22°♈07'53	2°01'33	
max. Earth dist.	-1563 Apr 27 j 14:43	22°♈11'11	9.91246 AU	
morning rise	-1563 May 15 j 07:40	24°♈30'40		
	-1563 Jul 01 j 22:06	0°♉		
retrograde	-1563 Aug 29 j 16:31	2°♉59'58		
	-1563 Oct 29 j 06:35	30°℞♈		
opposition	-1563 Nov 04 j 11:14	29°♈29'02	-2°-19'-54	
min. Earth dist.	-1563 Nov 04 j 02:42	29°♈30'49	7.91867 AU	
direct	-1562 Jan 09 j 18:11	25°♈59'25		
	-1562 Mar 19 j 04:27	0°♉		
evening set	-1562 Apr 24 j 14:40	4°♉20'54		
conjunction	-1562 May 12 j 18:22	6°♉43'29	-1°-40'-11	
minimum elong	-1562 May 12 j 18:26	6°♉43'30	1°40'11	
max. Earth dist.	-1562 May 13 j 06:41	6°♉47'32	9.93092 AU	
morning rise	-1562 May 30 j 22:45	9°♉06'15		
	-1562 Jul 22 j 07:46	15°♉		
retrograde	-1562 Sep 13 j 08:14	17°♉29'23		
	-1562 Nov 06 j 15:06	15°℞♉		
opposition	-1562 Nov 18 j 21:50	13°♉59'23	-1°-48'-56	
min. Earth dist.	-1562 Nov 18 j 11:47	14°♉01'29	7.95381 AU	
direct	-1561 Jan 24 j 13:57	10°♉29'23		
	-1561 Apr 08 j 03:39	15°♉		
evening set	-1561 May 10 j 00:26	18°♉49'48		
conjunction	-1561 May 28 j 05:33	21°♉11'52	-1°-12'-37	
minimum elong	-1561 May 28 j 05:37	21°♉11'53	1°12'37	
max. Earth dist.	-1561 May 28 j 19:18	21°♉16'21	9.98340 AU	
morning rise	-1561 Jun 15 j 09:49	23°♉33'37		
	-1561 Aug 14 j 02:42	0°♊		
retrograde	-1561 Sep 27 j 16:54	1°♊47'54		
	-1561 Nov 12 j 00:42	30°℞♉		
opposition	-1561 Dec 03 j 04:18	28°♉19'12	-1°-11'-32	
min. Earth dist.	-1561 Dec 02 j 17:23	28°♉21'28	8.02140 AU	
direct	-1560 Feb 08 j 07:49	24°♉49'11		
	-1560 Apr 28 j 14:50	0°♊		
evening set	-1560 May 24 j 05:37	3°♊05'57		
conjunction	-1560 Jun 11 j 10:28	5°♊26'32	0°-40'-58	
minimum elong	-1560 Jun 11 j 10:30	5°♊26'32	0°40'58	
max. Earth dist.	-1560 Jun 12 j 00:49	5°♊31'11	10.06632 AU	
morning rise	-1560 Jun 29 j 13:01	7°♊46'22		
retrograde	-1560 Oct 10 j 18:01	15°♊50'01		
opposition	-1560 Dec 16 j 05:25	12°♊22'56	0°-30'-32	
min. Earth dist.	-1560 Dec 15 j 18:37	12°♊25'09	8.11705 AU	
direct	-1559 Feb 21 j 22:09	8°♊53'13		
evening set	-1559 Jun 08 j 03:13	17°♊04'09		
conjunction	-1559 Jun 26 j 06:02	19°♊22'25	0°-7'-32	

Attention, astronomical year style is used: The year -1559 in astronomical counting style is the year 1560 BCE in historical counting style.

minimum elong	-1559 Jun 26 j 06:02	19°♊22'25	0°07'32	
behind sun begin	-1559 Jun 25 j 23:24	19°♊20'19		
behind sun end	-1559 Jun 26 j 12:40	19°♊24'31		
max. Earth dist.	-1559 Jun 26 j 19:50	19°♊26'50	10.17421 AU	
morning rise	-1559 Jul 14 j 05:25	21°♊39'35		
asc. node	-1559 Sep 19 j 01:50	28°♊23'40		
retrograde	-1559 Oct 24 j 09:52	29°♊31'45		
opposition	-1559 Dec 29 j 23:58	26°♊06'25	0°11'09	
min. Earth dist.	-1559 Dec 29 j 14:16	26°♊08'23	8.23468 AU	
direct	-1558 Mar 08 j 07:23	22°♊37'19		
	-1558 Jun 17 j 02:13	0°♋		
evening set	-1558 Jun 22 j 15:29	0°♋40'52		
conjunction	-1558 Jul 10 j 14:43	2°♋56'11	0°25'38	
minimum elong	-1558 Jul 10 j 14:42	2°♋56'10	0°25'39	
max. Earth dist.	-1558 Jul 11 j 02:36	2°♋59'55	10.30028 AU	
morning rise	-1558 Jul 28 j 09:46	5°♋10'08		
retrograde	-1558 Nov 06 j 14:42	12°♋50'43		
opposition	-1557 Jan 12 j 11:16	9°♋27'13	0°50'59	
min. Earth dist.	-1557 Jan 12 j 03:01	9°♋28'52	8.36710 AU	
direct	-1557 Mar 22 j 11:08	5°♋58'59		
evening set	-1557 Jul 06 j 16:50	13°♋54'08		
conjunction	-1557 Jul 24 j 11:22	16°♋06'06	0°56'31	
minimum elong	-1557 Jul 24 j 11:20	16°♋06'05	0°56'32	
max. Earth dist.	-1557 Jul 24 j 20:43	16°♋09'00	10.43707 AU	
morning rise	-1557 Aug 11 j 01:16	18°♋16'35		
retrograde	-1557 Nov 19 j 09:56	25°♋46'11		
opposition	-1556 Jan 25 j 15:25	22°♋24'24	1°26'54	
min. Earth dist.	-1556 Jan 25 j 08:32	22°♋25'46	8.50671 AU	
direct	-1556 Apr 04 j 06:55	18°♋57'15		
evening set	-1556 Jul 19 j 06:21	26°♋43'26		
conjunction	-1556 Aug 05 j 19:36	28°♋51'57	1°23'45	
minimum elong	-1556 Aug 05 j 19:33	28°♋51'56	1°23'46	
max. Earth dist.	-1556 Aug 06 j 02:30	28°♋54'04	10.57704 AU	
	-1556 Aug 15 j 01:32	0°♌		
morning rise	-1556 Aug 23 j 03:56	0°♌58'55		
retrograde	-1556 Nov 30 j 21:54	8°♌18'36		
opposition	-1555 Feb 06 j 12:30	4°♌58'21	1°57'27	
min. Earth dist.	-1555 Feb 06 j 06:52	4°♌59'27	8.64594 AU	
direct	-1555 Apr 17 j 17:26	1°♌32'25		
evening set	-1555 Aug 01 j 08:20	9°♌09'36		
conjunction	-1555 Aug 18 j 16:14	11°♌14'48	1°46'18	
minimum elong	-1555 Aug 18 j 16:11	11°♌14'47	1°46'18	
max. Earth dist.	-1555 Aug 18 j 21:06	11°♌16'17	10.71282 AU	
morning rise	-1555 Sep 04 j 18:59	13°♌18'28		
	-1555 Sep 19 j 10:11	15°♌		
retrograde	-1555 Dec 13 j 02:07	20°♌29'30		
opposition	-1554 Feb 19 j 02:59	17°♌10'38	2°21'41	
min. Earth dist.	-1554 Feb 18 j 23:43	17°♌11'15	8.77753 AU	
	-1554 Mar 22 j 00:07	15°℞♌		
direct	-1554 Apr 30 j 19:14	13°♌45'56		
	-1554 Jun 09 j 03:24	15°♌		
evening set	-1554 Aug 13 j 23:26	21°♌14'36		
conjunction	-1554 Aug 31 j 02:09	23°♌16'47	2°03'32	
minimum elong	-1554 Aug 31 j 02:06	23°♌16'46	2°03'33	
max. Earth dist.	-1554 Aug 31 j 04:11	23°♌17'24	10.83749 AU	
morning rise	-1554 Sep 16 j 23:49	25°♌17'31		
	-1554 Nov 01 j 12:13	0°♍		
retrograde	-1554 Dec 25 j 00:59	2°♍21'29		
	-1553 Feb 18 j 22:49	30°℞♌		
opposition	-1553 Mar 03 j 12:06	29°♌03'46	2°39'07	
min. Earth dist.	-1553 Mar 03 j 11:55	29°♌03'48	8.89504 AU	
direct	-1553 May 13 j 13:23	25°♌40'20		
	-1553 Jul 29 j 15:14	0°♍		
evening set	-1553 Aug 26 j 04:39	3°♍01'14		
conjunction	-1553 Sep 12 j 02:33	5°♍00'51	2°15'08	
minimum elong	-1553 Sep 12 j 02:31	5°♍00'50	2°15'10	
max. Earth dist.	-1553 Sep 12 j 01:01	5°♍00'24	10.94561 AU	
morning rise	-1553 Sep 28 j 20:00	6°♍59'10		
retrograde	-1552 Jan 05 j 17:46	13°♍57'44		
opposition	-1552 Mar 14 j 16:42	10°♍40'52	2°49'35	
min. Earth dist.	-1552 Mar 14 j 19:17	10°♍40'23	8.99400 AU	
direct	-1552 May 25 j 00:19	7°♍18'40		
evening set	-1552 Sep 06 j 01:23	14°♍32'44		
conjunction	-1552 Sep 22 j 19:18	16°♍30'16	2°21'03	
minimum elong	-1552 Sep 22 j 19:17	16°♍30'15	2°21'03	
max. Earth dist.	-1552 Sep 22 j 14:35	16°♍28'52	11.03379 AU	
morning rise	-1552 Oct 09 j 09:30	18°♍26'43		
retrograde	-1551 Jan 16 j 07:25	25°♍21'30		
opposition	-1551 Mar 26 j 17:35	22°♍05'09	2°53'08	
min. Earth dist.	-1551 Mar 26 j 21:49	22°♍04'22	9.07149 AU	
direct	-1551 Jun 06 j 06:39	18°♍44'02		
evening set	-1551 Sep 17 j 14:58	25°♍52'17		
conjunction	-1551 Oct 04 j 05:59	27°♍48'17	2°21'20	
minimum elong	-1551 Oct 04 j 05:59	27°♍48'17	2°21'20	
max. Earth dist.	-1551 Oct 03 j 23:40	27°♍46'26	11.09950 AU	
morning rise	-1551 Oct 20 j 17:46	29°♍43'23		
	-1551 Oct 23 j 03:57	0°♎		
retrograde	-1550 Jan 27 j 21:33	6°♎35'56		
opposition	-1550 Apr 07 j 16:06	3°♎19'49	2°50'01	
min. Earth dist.	-1550 Apr 07 j 21:46	3°♎18'46	9.12520 AU	
	-1550 Jun 15 j 13:19	30°℞♍		
direct	-1550 Jun 18 j 06:42	29°♍59'39		
	-1550 Jun 20 j 23:59	0°♎		
evening set	-1550 Sep 28 j 23:09	7°♎03'07		
conjunction	-1550 Oct 15 j 12:06	8°♎58'08	2°16'13	
minimum elong	-1550 Oct 15 j 12:07	8°♎58'09	2°16'12	
max. Earth dist.	-1550 Oct 15 j 04:23	8°♎55'53	11.14076 AU	
morning rise	-1550 Oct 31 j 22:24	10°♎52'29		
retrograde	-1549 Feb 08 j 09:06	17°♎44'21		
opposition	-1549 Apr 19 j 13:19	14°♎28'07	2°40'34	
min. Earth dist.	-1549 Apr 19 j 20:59	14°♎26'42	9.15366 AU	
direct	-1549 Jun 30 j 01:57	11°♎08'42		
evening set	-1549 Oct 10 j 03:35	18°♎08'39		
conjunction	-1549 Oct 26 j 15:13	20°♎03'12	2°06'01	
minimum elong	-1549 Oct 26 j 15:15	20°♎03'13	2°06'00	
max. Earth dist.	-1549 Oct 26 j 05:10	20°♎00'16	11.15654 AU	
morning rise	-1549 Nov 12 j 01:14	21°♎57'20		
retrograde	-1548 Feb 19 j 22:34	28°♎50'06		
opposition	-1548 Apr 30 j 10:16	25°♎33'28	2°25'11	
min. Earth dist.	-1548 Apr 30 j 19:49	25°♎31'43	9.15627 AU	
direct	-1548 Jul 10 j 19:52	22°♎14'33		
evening set	-1548 Oct 20 j 05:53	29°♎12'20		
	-1548 Oct 27 j 03:25	0°♏		
conjunction	-1548 Nov 05 j 17:08	1°♏06'57	1°51'07	
minimum elong	-1548 Nov 05 j 17:10	1°♏06'58	1°51'06	
max. Earth dist.	-1548 Nov 05 j 05:38	1°♏03'36	11.14653 AU	
morning rise	-1548 Nov 22 j 03:45	3°♏01'26		
retrograde	-1547 Mar 02 j 12:46	9°♏56'41		
opposition	-1547 May 12 j 07:54	6°♏39'20	2°04'24	
min. Earth dist.	-1547 May 12 j 18:07	6°♏37'28	9.13295 AU	
direct	-1547 Jul 22 j 11:26	3°♏20'45		
evening set	-1547 Oct 31 j 07:59	10°♏17'49		

Attention, astronomical year style is used: The year -1547 in astronomical counting style is the year 1548 BCE in historical counting style.

conjunction	-1547 Nov 16 j 19:44	12°♏13'00	1°31'59
minimum elong	-1547 Nov 16 j 19:46	12°♏13'00	1°31'58
max. Earth dist.	-1547 Nov 16 j 08:13	12°♏09'37	11.11092 AU
morning rise	-1547 Dec 03 j 07:29	14°♏08'16	
	-1547 Dec 10 j 21:56	15°♏	
retrograde	-1546 Mar 14 j 09:10	21°♏07'39	
opposition	-1546 May 24 j 07:25	17°♏49'23	1°38'48
min. Earth dist.	-1546 May 24 j 17:26	17°♏47'32	9.08443 AU
	-1546 Jul 09 j 09:26	15°℞♏	
direct	-1546 Aug 03 j 04:13	14°♏30'56	
	-1546 Aug 27 j 12:40	15°♏	
evening set	-1546 Nov 11 j 11:51	21°♏28'46	
conjunction	-1546 Nov 28 j 00:39	23°♏25'00	1°09'11
minimum elong	-1546 Nov 28 j 00:41	23°♏25'00	1°09'09
max. Earth dist.	-1546 Nov 27 j 12:56	23°♏21'32	11.05090 AU
morning rise	-1546 Dec 14 j 14:17	25°♏21'34	
	-1545 Jan 29 j 03:31	0°♐	
retrograde	-1545 Mar 26 j 10:56	2°♐26'38	
	-1545 May 24 j 09:24	30°℞♏	
opposition	-1545 Jun 05 j 10:17	29°♏07'15	1°09'03
min. Earth dist.	-1545 Jun 05 j 20:32	29°♏05'21	9.01242 AU
direct	-1545 Aug 14 j 19:37	25°♏48'44	
	-1545 Oct 28 j 05:08	0°♐	
evening set	-1545 Nov 22 j 19:17	2°♐48'56	
conjunction	-1545 Dec 09 j 09:34	4°♐46'37	0°43'23
minimum elong	-1545 Dec 09 j 09:35	4°♐46'37	0°43'21
max. Earth dist.	-1545 Dec 08 j 21:04	4°♐42'54	10.96851 AU
morning rise	-1545 Dec 26 j 01:47	6°♐44'55	
retrograde	-1544 Apr 06 j 16:53	13°♐57'16	
opposition	-1544 Jun 16 j 17:22	10°♐36'35	0°36'01
min. Earth dist.	-1544 Jun 17 j 03:54	10°♐34'38	8.91935 AU
direct	-1544 Aug 25 j 14:32	7°♐17'45	
evening set	-1544 Dec 03 j 08:14	14°♐21'59	
conjunction	-1544 Dec 20 j 00:34	16°♐21'30	0°15'23
minimum elong	-1544 Dec 20 j 00:34	16°♐21'31	0°15'21
behind sun begin	-1544 Dec 19 j 22:11	16°♐20'48	
behind sun end	-1544 Dec 20 j 02:57	16°♐22'13	
max. Earth dist.	-1544 Dec 19 j 12:17	16°♐17'49	10.86644 AU
morning rise	-1543 Jan 05 j 19:43	18°♐21'55	
retrograde	-1543 Apr 19 j 07:59	25°♐42'59	
opposition	-1543 Jun 29 j 05:29	22°♐20'53	0°00'43
min. Earth dist.	-1543 Jun 29 j 15:28	22°♐19'00	8.80847 AU
desc. node	-1543 Jul 06 j 17:28	21°♐47'09	
direct	-1543 Sep 06 j 14:31	19°♐01'31	
evening set	-1543 Dec 15 j 04:27	26°♐11'22	
conjunction	-1543 Dec 31 j 23:17	28°♐13'05	0°-13'-56
minimum elong	-1543 Dec 31 j 23:17	28°♐13'05	0°13'58
behind sun begin	-1543 Dec 31 j 19:35	28°♐11'58	
behind sun end	-1542 Jan 01 j 02:58	28°♐14'12	
max. Earth dist.	-1543 Dec 31 j 12:50	28°♐09'55	10.74836 AU
	-1542 Jan 15 j 16:12	0°♑	
morning rise	-1542 Jan 17 j 21:30	0°♑15'55	
retrograde	-1542 May 02 j 07:55	7°♑47'01	
opposition	-1542 Jul 11 j 23:53	4°♑23'22	0°-35'-35
min. Earth dist.	-1542 Jul 12 j 07:58	4°♑21'50	8.68404 AU
direct	-1542 Sep 18 j 18:39	1°♑03'20	
evening set	-1542 Dec 27 j 09:38	8°♑20'17	
conjunction	-1541 Jan 13 j 07:12	10°♑24'28	0°-43'-16
minimum elong	-1541 Jan 13 j 07:10	10°♑24'28	0°43'18
max. Earth dist.	-1541 Jan 12 j 22:30	10°♑21'47	10.61899 AU
morning rise	-1541 Jan 30 j 08:44	12°♑29'58	
retrograde	-1541 May 15 j 17:23	20°♑12'04	
opposition	-1541 Jul 25 j 01:12	16°♑46'52	-1°-11'-23
min. Earth dist.	-1541 Jul 25 j 07:17	16°♑45'41	8.55129 AU
direct	-1541 Oct 01 j 05:30	13°♑25'56	
evening set	-1540 Jan 09 j 01:35	20°♑51'21	
conjunction	-1540 Jan 26 j 02:03	22°♑58'14	-1°-11'-21
minimum elong	-1540 Jan 26 j 02:00	22°♑58'13	1°11'23
max. Earth dist.	-1540 Jan 25 j 18:49	22°♑55'58	10.48407 AU
morning rise	-1540 Feb 12 j 07:09	25°♑06'35	
	-1540 Mar 27 j 22:51	0°♒	
retrograde	-1540 May 28 j 12:42	3°♒00'06	
	-1540 Jul 31 j 17:35	30°℞♑	
opposition	-1540 Aug 06 j 09:40	29°♑33'25	-1°-44'-52
min. Earth dist.	-1540 Aug 06 j 14:03	29°♑32'34	8.41638 AU
direct	-1540 Oct 12 j 22:54	26°♑11'26	
	-1540 Dec 19 j 11:03	0°♒	
evening set	-1539 Jan 21 j 05:11	3°♒46'23	
conjunction	-1539 Feb 07 j 08:50	5°♒56'03	-1°-36'-38
minimum elong	-1539 Feb 07 j 08:47	5°♒56'02	1°36'40
max. Earth dist.	-1539 Feb 07 j 03:28	5°♒54'21	10.35013 AU
morning rise	-1539 Feb 24 j 17:36	8°♒07'20	
	-1539 May 04 j 20:08	15°♒	
retrograde	-1539 Jun 11 j 16:08	16°♒12'09	
	-1539 Jul 19 j 21:12	15°℞♒	
opposition	-1539 Aug 20 j 01:37	12°♒44'06	-2°-14'00
min. Earth dist.	-1539 Aug 20 j 04:17	12°♒43'34	8.28610 AU
direct	-1539 Oct 26 j 01:54	9°♒20'58	
	-1538 Jan 17 j 15:46	15°♒	
evening set	-1538 Feb 03 j 20:49	17°♒05'59	
conjunction	-1538 Feb 21 j 04:03	19°♒18'29	-1°-57'-27
minimum elong	-1538 Feb 21 j 04:00	19°♒18'28	1°57'29
max. Earth dist.	-1538 Feb 21 j 01:53	19°♒17'47	10.22424 AU
morning rise	-1538 Mar 10 j 16:27	21°♒32'38	
retrograde	-1538 Jun 26 j 03:08	29°♒47'48	
opposition	-1538 Sep 03 j 00:31	26°♒18'34	-2°-36'-39
min. Earth dist.	-1538 Sep 03 j 00:47	26°♒18'30	8.16759 AU
direct	-1538 Nov 08 j 14:47	22°♒54'13	
	-1537 Feb 11 j 12:29	0°♓	
evening set	-1537 Feb 18 j 00:43	0°♓49'13	
conjunction	-1537 Mar 07 j 11:53	3°♓04'29	-2°-12'-11
minimum elong	-1537 Mar 07 j 11:52	3°♓04'29	2°12'12
max. Earth dist.	-1537 Mar 07 j 13:25	3°♓04'59	10.11360 AU
morning rise	-1537 Mar 25 j 03:54	5°♓21'19	
retrograde	-1537 Jul 10 j 20:36	13°♓44'55	
opposition	-1537 Sep 17 j 05:13	10°♓14'47	-2°-50'-48
min. Earth dist.	-1537 Sep 17 j 02:46	10°♓15'17	8.06768 AU
direct	-1537 Nov 22 j 11:28	6°♓49'12	
evening set	-1536 Mar 03 j 15:46	14°♓53'24	
conjunction	-1536 Mar 21 j 07:05	17°♓11'12	-2°-19'-24
minimum elong	-1536 Mar 21 j 07:05	17°♓11'12	2°19'26
max. Earth dist.	-1536 Mar 21 j 12:07	17°♓12'51	10.02477 AU
morning rise	-1536 Apr 08 j 02:39	19°♓30'23	
retrograde	-1536 Jul 24 j 19:18	27°♓59'40	
opposition	-1536 Sep 30 j 14:32	24°♓28'57	-2°-54'-52
min. Earth dist.	-1536 Sep 30 j 09:31	24°♓29'59	7.99214 AU
direct	-1536 Dec 05 j 15:28	21°♓02'10	
evening set	-1535 Mar 18 j 15:54	29°♓14'00	
	-1535 Mar 24 j 13:30	0°♈	
conjunction	-1535 Apr 05 j 11:21	1°♈33'55	-2°-18'-11
minimum elong	-1535 Apr 05 j 11:22	1°♈33'56	2°18'12
max. Earth dist.	-1535 Apr 05 j 19:17	1°♈36'32	9.96288 AU
morning rise	-1535 Apr 23 j 10:13	3°♈54'59	

Attention, astronomical year style is used: The year -1535 in astronomical counting style is the year 1536 BCE in historical counting style.

retrograde	-1535 Aug 08 j 19:34	12°♈26'37	
opposition	-1535 Oct 15 j 02:39	8°♈55'43	-2°-47'-59
min. Earth dist.	-1535 Oct 14 j 19:41	8°♈57'10	7.94505 AU
direct	-1535 Dec 20 j 02:26	5°♈27'52	
evening set	-1534 Apr 02 j 22:42	13°♈45'18	
conjunction	-1534 Apr 20 j 22:01	16°♈06'48	-2°-8'-13
minimum elong	-1534 Apr 20 j 22:04	16°♈06'49	2°08'13
max. Earth dist.	-1534 Apr 21 j 07:47	16°♈10'01	9.93123 AU
morning rise	-1534 May 08 j 23:47	18°♈29'06	
retrograde	-1534 Aug 23 j 18:36	26°♈59'35	
opposition	-1534 Oct 29 j 15:33	23°♈28'59	-2°-30'-16
min. Earth dist.	-1534 Oct 29 j 07:34	23°♈30'39	7.92905 AU
direct	-1533 Jan 03 j 18:29	20°♈00'16	
evening set	-1533 Apr 18 j 09:13	28°♈20'54	
	-1533 May 01 j 00:30	0°♉	
conjunction	-1533 May 06 j 11:45	0°♉43'15	-1°-50'-1
minimum elong	-1533 May 06 j 11:48	0°♉43'17	1°50'01
max. Earth dist.	-1533 May 06 j 22:42	0°♉46'52	9.93203 AU
morning rise	-1533 May 24 j 15:31	3°♉06'00	
retrograde	-1533 Sep 07 j 13:33	11°♉31'56	
opposition	-1533 Nov 13 j 03:26	8°♉02'04	-2°-2'-53
min. Earth dist.	-1533 Nov 12 j 18:50	8°♉03'52	7.94604 AU
direct	-1532 Jan 18 j 13:48	4°♉32'44	
evening set	-1532 May 02 j 20:04	12°♉53'46	
	-1532 May 18 j 23:34	15°♉	
conjunction	-1532 May 21 j 00:34	15°♉16'05	-1°-24'-52
minimum elong	-1532 May 21 j 00:37	15°♉16'06	1°24'53
max. Earth dist.	-1532 May 21 j 12:22	15°♉19'57	9.96632 AU
morning rise	-1532 Jun 08 j 05:00	17°♉38'18	
retrograde	-1532 Sep 21 j 01:18	25°♉56'40	
opposition	-1532 Nov 26 j 12:08	22°♉27'52	-1°-27'-55
min. Earth dist.	-1532 Nov 26 j 03:05	22°♉29'45	7.99603 AU
direct	-1531 Feb 01 j 09:12	18°♉58'13	
evening set	-1531 May 18 j 03:43	27°♉16'52	
conjunction	-1531 Jun 05 j 08:42	29°♉38'09	0°-54'-43
minimum elong	-1531 Jun 05 j 08:44	29°♉38'10	0°54'43
max. Earth dist.	-1531 Jun 05 j 20:49	29°♉42'06	10.03255 AU
	-1531 Jun 08 j 03:50	0°♊	
morning rise	-1531 Jun 23 j 12:17	1°♊58'54	
retrograde	-1531 Oct 05 j 05:30	10°♊07'26	
opposition	-1531 Dec 10 j 15:54	6°♊39'57	0°-48'-8
min. Earth dist.	-1531 Dec 10 j 06:33	6°♊41'53	8.07618 AU
direct	-1530 Feb 16 j 02:27	3°♊10'18	
evening set	-1530 Jun 02 j 05:06	11°♊24'06	
conjunction	-1530 Jun 20 j 08:55	13°♊43'28	0°-21'-45
minimum elong	-1530 Jun 20 j 08:56	13°♊43'29	0°21'45
max. Earth dist.	-1530 Jun 20 j 20:49	13°♊47'18	10.12641 AU
morning rise	-1530 Jul 08 j 10:02	16°♊01'55	
retrograde	-1530 Oct 19 j 00:37	23°♊59'16	
opposition	-1530 Dec 24 j 13:28	20°♊33'17	0°-6'-24
min. Earth dist.	-1530 Dec 24 j 03:53	20°♊35'14	8.18116 AU
asc. node	-1529 Feb 20 j 23:29	17°♊08'58	
direct	-1529 Mar 02 j 15:19	17°♊03'56	
evening set	-1529 Jun 16 j 21:48	25°♊11'00	
conjunction	-1529 Jul 04 j 22:48	27°♊27'42	0°11'47
minimum elong	-1529 Jul 04 j 22:48	27°♊27'42	0°11'49
behind sun begin	-1529 Jul 04 j 17:47	27°♊26'07	
behind sun end	-1529 Jul 05 j 03:49	27°♊29'16	
max. Earth dist.	-1529 Jul 05 j 10:16	27°♊31'20	10.24163 AU
morning rise	-1529 Jul 22 j 19:57	29°♊43'09	
	-1529 Jul 25 j 02:20	0°♋	

retrograde	-1529 Nov 01 j 09:55	7°♋28'55	
opposition	-1528 Jan 07 j 03:59	4°♋04'31	0°34'29
min. Earth dist.	-1528 Jan 06 j 18:57	4°♋06'21	8.30429 AU
direct	-1528 Mar 15 j 21:51	0°♋35'46	
evening set	-1528 Jun 30 j 03:57	8°♋34'48	
conjunction	-1528 Jul 18 j 00:49	10°♋48'19	0°43'48
minimum elong	-1528 Jul 18 j 00:47	10°♋48'18	0°43'49
max. Earth dist.	-1528 Jul 18 j 11:14	10°♋51'35	10.37112 AU
morning rise	-1528 Aug 04 j 16:59	13°♋00'23	
retrograde	-1528 Nov 13 j 10:12	20°♋34'53	
opposition	-1527 Jan 19 j 11:15	17°♋12'05	1°12'17
min. Earth dist.	-1527 Jan 19 j 03:41	17°♋13'35	8.43834 AU
direct	-1527 Mar 29 j 19:56	13°♋44'08	
evening set	-1527 Jul 13 j 22:28	21°♋34'22	
conjunction	-1527 Jul 31 j 14:17	23°♋44'29	1°12'44
minimum elong	-1527 Jul 31 j 14:14	23°♋44'29	1°12'45
max. Earth dist.	-1527 Jul 31 j 22:41	23°♋47'05	10.50755 AU
morning rise	-1527 Aug 18 j 00:59	25°♋53'03	
	-1527 Sep 24 j 05:39	0°♌	
retrograde	-1527 Nov 26 j 01:36	3°♌17'06	
	-1526 Jan 31 j 13:54	30°℞♋	
opposition	-1526 Feb 01 j 11:16	29°♋55'49	1°45'16
min. Earth dist.	-1526 Feb 01 j 05:57	29°♋56'51	8.57596 AU
direct	-1526 Apr 12 j 09:41	26°♋28'53	
	-1526 Jun 19 j 02:12	0°♌	
evening set	-1526 Jul 27 j 05:27	4°♌10'08	
conjunction	-1526 Aug 13 j 15:43	6°♌16'51	1°37'21
minimum elong	-1526 Aug 13 j 15:40	6°♌16'51	1°37'22
max. Earth dist.	-1526 Aug 13 j 21:03	6°♌18'29	10.64383 AU
morning rise	-1526 Aug 30 j 20:56	8°♌22'02	
	-1526 Nov 11 j 22:46	15°♌	
retrograde	-1526 Dec 08 j 07:17	15°♌36'47	
	-1525 Jan 04 j 00:04	15°℞♌	
opposition	-1525 Feb 14 j 04:25	12°♌16'53	2°12'16
min. Earth dist.	-1525 Feb 14 j 01:03	12°♌17'32	8.71033 AU
direct	-1525 Apr 25 j 16:11	8°♌51'07	
	-1525 Jul 27 j 23:43	15°♌	
evening set	-1525 Aug 09 j 01:02	16°♌23'36	
conjunction	-1525 Aug 26 j 05:52	18°♌27'07	1°56'54
minimum elong	-1525 Aug 26 j 05:50	18°♌27'07	1°56'55
max. Earth dist.	-1525 Aug 26 j 08:18	18°♌27'51	10.77371 AU
morning rise	-1525 Sep 12 j 05:54	20°♌29'11	
retrograde	-1525 Dec 20 j 07:15	27°♌36'08	
opposition	-1524 Feb 26 j 15:35	24°♌17'25	2°32'37
min. Earth dist.	-1524 Feb 26 j 13:36	24°♌17'48	8.83544 AU
direct	-1524 May 07 j 15:05	20°♌52'55	
evening set	-1524 Aug 20 j 09:54	28°♌17'06	
	-1524 Sep 03 j 22:06	0°♍	
conjunction	-1524 Sep 06 j 09:53	0°♍17'49	2°10'56
minimum elong	-1524 Sep 06 j 09:51	0°♍17'49	2°10'56
max. Earth dist.	-1524 Sep 06 j 10:29	0°♍18'00	10.89170 AU
morning rise	-1524 Sep 23 j 05:13	2°♍17'11	
retrograde	-1524 Dec 31 j 02:57	9°♍17'50	
opposition	-1523 Mar 09 j 21:33	6°♍00'06	2°46'02
min. Earth dist.	-1523 Mar 09 j 21:08	6°♍00'11	8.94612 AU
direct	-1523 May 20 j 04:06	2°♍36'55	
evening set	-1523 Sep 01 j 09:41	9°♍53'36	
conjunction	-1523 Sep 18 j 05:28	11°♍51'59	2°19'15
minimum elong	-1523 Sep 18 j 05:26	11°♍51'58	2°19'16
max. Earth dist.	-1523 Sep 18 j 04:18	11°♍51'38	10.99313 AU
morning rise	-1523 Oct 04 j 20:54	13°♍49'09	

Attention, astronomical year style is used: The year -1522 in astronomical counting style is the year 1523 BCE in historical counting style.

retrograde	-1522 Jan 11 j 17:51	20°♍45'03	
opposition	-1522 Mar 21 j 23:18	17°♍28'07	2°52'30
min. Earth dist.	-1522 Mar 22 j 01:26	17°♍27'43	9.03818 AU
direct	-1522 Jun 01 j 10:53	14°♍06'11	
evening set	-1522 Sep 13 j 01:47	21°♍16'23	
conjunction	-1522 Sep 29 j 18:00	23°♍12'55	2°21'55
minimum elong	-1522 Sep 29 j 18:00	23°♍12'55	2°21'55
max. Earth dist.	-1522 Sep 29 j 13:59	23°♍11'44	11.07433 AU
morning rise	-1522 Oct 16 j 06:39	25°♍08'27	
	-1522 Dec 04 j 02:54	0°♎	
retrograde	-1521 Jan 23 j 06:32	2°♎01'13	
	-1521 Mar 16 j 12:28	30°℞♍	
opposition	-1521 Apr 02 j 22:14	28°♍44'48	2°52'11
min. Earth dist.	-1521 Apr 03 j 02:47	28°♍43'57	9.10836 AU
direct	-1521 Jun 13 j 12:14	25°♍24'03	
	-1521 Sep 01 j 17:28	0°♎	
evening set	-1521 Sep 24 j 11:29	2°♎28'50	
conjunction	-1521 Oct 11 j 01:05	4°♎24'04	2°19'05
minimum elong	-1521 Oct 11 j 01:06	4°♎24'05	2°19'04
max. Earth dist.	-1521 Oct 10 j 18:32	4°♎22'10	11.13257 AU
morning rise	-1521 Oct 27 j 12:01	6°♎18'34	
retrograde	-1520 Feb 03 j 16:57	13°♎09'49	
opposition	-1520 Apr 13 j 19:13	9°♎53'36	2°45'23
min. Earth dist.	-1520 Apr 14 j 01:11	9°♎52'31	9.15428 AU
direct	-1520 Jun 24 j 09:43	6°♎33'53	
evening set	-1520 Oct 04 j 16:42	13°♎34'30	
conjunction	-1520 Oct 21 j 04:47	15°♎29'00	2°11'02
minimum elong	-1520 Oct 21 j 04:49	15°♎29'00	2°11'01
max. Earth dist.	-1520 Oct 20 j 21:07	15°♎26'46	11.16584 AU
morning rise	-1520 Nov 06 j 14:49	17°♎22'58	
retrograde	-1519 Feb 14 j 06:14	24°♎14'19	
opposition	-1519 Apr 25 j 15:11	20°♎58'02	2°32'29
min. Earth dist.	-1519 Apr 25 j 22:00	20°♎56'47	9.17435 AU
direct	-1519 Jul 06 j 04:01	17°♎39'10	
evening set	-1519 Oct 15 j 19:10	24°♎36'54	
conjunction	-1519 Nov 01 j 06:34	26°♎31'13	1°58'07
minimum elong	-1519 Nov 01 j 06:37	26°♎31'13	1°58'07
max. Earth dist.	-1519 Oct 31 j 21:54	26°♎28'41	11.17298 AU
morning rise	-1519 Nov 17 j 16:36	28°♎25'14	
	-1519 Dec 01 j 21:46	0°♏	
retrograde	-1518 Feb 25 j 20:07	5°♏18'13	
opposition	-1518 May 07 j 11:44	2°♏01'36	2°14'00
min. Earth dist.	-1518 May 07 j 20:05	2°♏00'04	9.16791 AU
	-1518 Jun 06 j 09:06	30°℞♎	
direct	-1518 Jul 17 j 17:54	28°♎43'22	
	-1518 Aug 27 j 02:16	0°♏	
evening set	-1518 Oct 26 j 20:42	5°♏39'37	
conjunction	-1518 Nov 12 j 08:00	7°♏34'13	1°40'48
minimum elong	-1518 Nov 12 j 08:02	7°♏34'14	1°40'47
max. Earth dist.	-1518 Nov 11 j 21:26	7°♏31'09	11.15375 AU
morning rise	-1518 Nov 28 j 19:01	9°♏28'48	
	-1517 Jan 26 j 03:56	15°♏	
retrograde	-1517 Mar 09 j 12:57	16°♏25'05	
	-1517 Apr 22 j 04:38	15°℞♏	
opposition	-1517 May 19 j 09:51	13°♏07'50	1°50'28
min. Earth dist.	-1517 May 19 j 19:44	13°♏06'02	9.13519 AU
direct	-1517 Jul 29 j 09:24	9°♏49'57	
	-1517 Oct 22 j 01:29	15°♏	
evening set	-1517 Nov 06 j 23:03	16°♏46'13	
conjunction	-1517 Nov 23 j 11:03	18°♏41'36	1°19'34
minimum elong	-1517 Nov 23 j 11:05	18°♏41'37	1°19'34
max. Earth dist.	-1517 Nov 22 j 23:14	18°♏38'08	11.10869 AU
morning rise	-1517 Dec 09 j 23:46	20°♏37'14	
retrograde	-1516 Mar 20 j 10:04	27°♏38'23	
opposition	-1516 May 30 j 10:21	24°♏20'12	1°22'31
min. Earth dist.	-1516 May 30 j 20:49	24°♏18'17	9.07705 AU
direct	-1516 Aug 09 j 00:53	21°♏02'26	
evening set	-1516 Nov 17 j 03:59	28°♏00'15	
conjunction	-1516 Dec 03 j 17:28	29°♏56'52	0°55'05
minimum elong	-1516 Dec 03 j 17:29	29°♏56'53	0°55'03
max. Earth dist.	-1516 Dec 03 j 05:51	29°♏53'26	11.03874 AU
	-1516 Dec 04 j 04:03	0°♐	
morning rise	-1516 Dec 20 j 08:19	1°♐54'00	
retrograde	-1515 Apr 01 j 13:43	9°♐01'37	
opposition	-1515 Jun 11 j 14:28	5°♐42'15	0°50'57
min. Earth dist.	-1515 Jun 12 j 00:36	5°♐40'23	8.99472 AU
direct	-1515 Aug 20 j 18:35	2°♐24'18	
evening set	-1515 Nov 28 j 13:32	9°♐25'19	
conjunction	-1515 Dec 15 j 04:49	11°♐23'36	0°28'02
minimum elong	-1515 Dec 15 j 04:50	11°♐23'37	0°27'59
max. Earth dist.	-1515 Dec 14 j 17:03	11°♐20'06	10.94546 AU
morning rise	-1515 Dec 31 j 22:15	13°♐22'38	
retrograde	-1514 Apr 14 j 01:48	20°♐38'18	
opposition	-1514 Jun 23 j 23:26	17°♐17'36	0°16'40
min. Earth dist.	-1514 Jun 24 j 09:24	17°♐15'44	8.89043 AU
direct	-1514 Sep 01 j 14:23	13°♐59'12	
evening set	-1514 Dec 10 j 05:37	21°♐05'07	
desc. node	-1514 Dec 17 j 14:23	21°♐57'46	
conjunction	-1514 Dec 26 j 23:00	23°♐05'27	0°00'-44
minimum elong	-1514 Dec 26 j 23:02	23°♐05'28	0°00'47
behind sun begin	-1514 Dec 26 j 16:01	23°♐03'22	
behind sun end	-1514 Dec 27 j 06:02	23°♐07'33	
max. Earth dist.	-1514 Dec 26 j 10:34	23°♐01'43	10.83195 AU
morning rise	-1513 Jan 12 j 19:36	25°♐06'49	
	-1513 Feb 28 j 17:54	0°♑	
retrograde	-1513 Apr 26 j 20:02	2°♑32'00	
	-1513 Jun 25 j 09:05	30°℞♐	
opposition	-1513 Jul 06 j 14:18	29°♐09'45	0°-19'-13
min. Earth dist.	-1513 Jul 07 j 00:15	29°♐07'52	8.76831 AU
direct	-1513 Sep 13 j 14:41	25°♐50'38	
	-1513 Nov 25 j 04:07	0°♑	
evening set	-1513 Dec 22 j 05:52	3°♑03'08	
conjunction	-1512 Jan 08 j 01:52	5°♑05'51	0°-30'-6
minimum elong	-1512 Jan 08 j 01:51	5°♑05'50	0°30'08
max. Earth dist.	-1512 Jan 07 j 14:01	5°♑02'14	10.70307 AU
morning rise	-1512 Jan 25 j 01:50	7°♑09'48	
retrograde	-1512 May 08 j 23:14	14°♑45'42	
opposition	-1512 Jul 18 j 11:43	11°♑21'46	0°-55'-19
min. Earth dist.	-1512 Jul 18 j 20:50	11°♑20'01	8.63388 AU
direct	-1512 Sep 24 j 23:03	8°♑01'41	
evening set	-1511 Jan 02 j 16:01	15°♑22'11	
conjunction	-1511 Jan 19 j 14:58	17°♑27'33	0°-58'-51
minimum elong	-1511 Jan 19 j 14:55	17°♑27'32	0°58'53
max. Earth dist.	-1511 Jan 19 j 05:13	17°♑24'31	10.56460 AU
morning rise	-1511 Feb 05 j 18:18	19°♑34'19	
retrograde	-1511 May 22 j 13:11	27°♑21'39	
opposition	-1511 Jul 31 j 16:05	23°♑56'00	-1°-29'-59
min. Earth dist.	-1511 Jul 31 j 23:11	23°♑54'37	8.49341 AU
direct	-1511 Oct 07 j 13:17	20°♑34'45	
evening set	-1510 Jan 15 j 13:19	28°♑04'27	
	-1510 Jan 30 j 23:24	0°♒	
conjunction	-1510 Feb 01 j 15:28	0°♒12'37	-1°-25'-32

Attention, astronomical year style is used: The year -1510 in astronomical counting style is the year 1511 BCE in historical counting style.

minimum elong	-1510 Feb 01 j 15:25	0°♒12'36	1°25'34
max. Earth dist.	-1510 Feb 01 j 08:28	0°♒10'25	10.42326 AU
morning rise	-1510 Feb 18 j 22:15	2°♒22'19	
retrograde	-1510 Jun 05 j 12:02	10°♒21'19	
opposition	-1510 Aug 14 j 03:58	6°♒53'58	-2°-1'-19
min. Earth dist.	-1510 Aug 14 j 08:21	6°♒53'06	8.35382 AU
direct	-1510 Oct 20 j 11:31	3°♒31'25	
evening set	-1509 Jan 28 j 22:38	11°♒11'08	
conjunction	-1509 Feb 15 j 04:11	13°♒22'12	-1°-48'-34
minimum elong	-1509 Feb 15 j 04:08	13°♒22'11	1°48'36
max. Earth dist.	-1509 Feb 14 j 23:42	13°♒20'46	10.28622 AU
	-1509 Feb 27 j 23:34	15°♒	
morning rise	-1509 Mar 04 j 14:38	15°♒34'53	
retrograde	-1509 Jun 19 j 19:35	23°♒45'00	
opposition	-1509 Aug 27 j 23:05	20°♒16'07	-2°-27'-11
min. Earth dist.	-1509 Aug 28 j 00:57	20°♒15'45	8.22231 AU
direct	-1509 Nov 02 j 18:35	16°♒52'10	
evening set	-1508 Feb 11 j 20:26	24°♒42'14	
conjunction	-1508 Feb 29 j 05:38	26°♒56'11	-2°-6'-17
minimum elong	-1508 Feb 29 j 05:36	26°♒56'10	2°06'18
max. Earth dist.	-1508 Feb 29 j 03:34	26°♒55'31	10.16088 AU
morning rise	-1508 Mar 17 j 19:51	29°♒11'45	
	-1508 Mar 24 j 05:39	0°♓	
retrograde	-1508 Jul 03 j 10:36	7°♓31'33	
opposition	-1508 Sep 10 j 00:42	4°♓01'27	-2°-45'-31
min. Earth dist.	-1508 Sep 10 j 00:31	4°♓01'29	8.10618 AU
direct	-1508 Nov 15 j 10:07	0°♓36'03	
evening set	-1507 Feb 25 j 05:57	8°♓36'06	
conjunction	-1507 Mar 14 j 19:08	10°♓52'48	-2°-17'-8
minimum elong	-1507 Mar 14 j 19:07	10°♓52'47	2°17'09
max. Earth dist.	-1507 Mar 14 j 20:01	10°♓53'05	10.05455 AU
morning rise	-1507 Apr 01 j 13:07	13°♓11'00	
retrograde	-1507 Jul 18 j 07:24	21°♓38'13	
opposition	-1507 Sep 24 j 07:59	18°♓07'14	-2°-54'-26
min. Earth dist.	-1507 Sep 24 j 05:39	18°♓07'43	8.01238 AU
direct	-1507 Nov 29 j 10:40	14°♓40'27	
evening set	-1506 Mar 12 j 01:42	22°♓49'19	
conjunction	-1506 Mar 29 j 19:08	25°♓08'27	-2°-19'-54
minimum elong	-1506 Mar 29 j 19:09	25°♓08'27	2°19'55
max. Earth dist.	-1506 Mar 29 j 23:21	25°♓09'50	9.97392 AU
morning rise	-1506 Apr 16 j 16:44	27°♓28'54	
	-1506 May 06 j 21:56	0°♈	
retrograde	-1506 Aug 02 j 06:36	6°♈00'26	
opposition	-1506 Oct 08 j 19:12	2°♈29'00	-2°-52'-43
min. Earth dist.	-1506 Oct 08 j 14:38	2°♈29'57	7.94685 AU
	-1506 Nov 11 j 04:52	30°℞♓	
direct	-1506 Dec 13 j 19:54	29°♓01'00	
	-1505 Jan 15 j 03:07	0°♈	
evening set	-1505 Mar 27 j 05:53	7°♈16'47	
conjunction	-1505 Apr 14 j 03:31	9°♈37'51	-2°-13'-58
minimum elong	-1505 Apr 14 j 03:33	9°♈37'52	2°13'59
max. Earth dist.	-1505 Apr 14 j 11:05	9°♈40'21	9.92426 AU
morning rise	-1505 May 02 j 04:16	11°♈59'55	
retrograde	-1505 Aug 17 j 05:37	20°♈32'09	
opposition	-1505 Oct 23 j 08:12	17°♈00'44	-2°-39'-56
min. Earth dist.	-1505 Oct 23 j 01:21	17°♈02'09	7.91396 AU
direct	-1505 Dec 28 j 10:43	13°♈31'43	
evening set	-1504 Apr 10 j 15:22	21°♈51'57	
conjunction	-1504 Apr 28 j 16:41	24°♈14'15	-1°-59'-28
minimum elong	-1504 Apr 28 j 16:44	24°♈14'17	1°59'28
max. Earth dist.	-1504 Apr 29 j 03:19	24°♈17'47	9.90900 AU
morning rise	-1504 May 16 j 19:49	26°♈37'09	
	-1504 Jun 13 j 07:52	0°♉	
retrograde	-1504 Aug 31 j 02:25	5°♉06'23	
opposition	-1504 Nov 05 j 21:09	1°♉35'26	-2°-16'-46
min. Earth dist.	-1504 Nov 05 j 12:10	1°♉37'19	7.91603 AU
	-1504 Nov 25 j 15:20	30°℞♈	
direct	-1503 Jan 11 j 04:52	28°♈05'44	
	-1503 Feb 26 j 00:31	0°♉	
evening set	-1503 Apr 26 j 02:33	6°♉27'31	
conjunction	-1503 May 14 j 06:32	8°♉50'12	-1°-37'-18
minimum elong	-1503 May 14 j 06:36	8°♉50'14	1°37'19
max. Earth dist.	-1503 May 14 j 19:30	8°♉54'29	9.92927 AU
morning rise	-1503 Jun 01 j 10:55	11°♉13'00	
	-1503 Jul 02 j 16:16	15°♉	
retrograde	-1503 Sep 14 j 18:31	19°♉35'54	
opposition	-1503 Nov 20 j 07:52	16°♉05'53	-1°-44'-57
min. Earth dist.	-1503 Nov 19 j 21:31	16°♉08'03	7.95307 AU
	-1503 Dec 03 j 17:18	15°℞♉	
direct	-1502 Jan 25 j 23:28	12°♉35'48	
	-1502 Mar 19 j 05:26	15°♉	
evening set	-1502 May 11 j 12:20	20°♉56'20	
conjunction	-1502 May 29 j 17:34	23°♉18'25	-1°-9'-10
minimum elong	-1502 May 29 j 17:37	23°♉18'26	1°09'10
max. Earth dist.	-1502 May 30 j 07:42	23°♉23'03	9.98370 AU
morning rise	-1502 Jun 16 j 21:46	25°♉40'09	
	-1502 Jul 23 j 13:00	0°♊	
retrograde	-1502 Sep 29 j 04:19	3°♊54'00	
opposition	-1502 Dec 04 j 14:16	0°♊25'20	-1°-6'-58
min. Earth dist.	-1502 Dec 04 j 03:35	0°♊27'33	8.02262 AU
	-1502 Dec 09 j 16:43	30°℞♉	
direct	-1501 Feb 09 j 17:31	26°♉55'13	
	-1501 Apr 10 j 23:25	0°♊	
evening set	-1501 May 26 j 17:22	5°♊11'57	
conjunction	-1501 Jun 13 j 22:07	7°♊32'29	0°-37'-10
minimum elong	-1501 Jun 13 j 22:09	7°♊32'30	0°37'10
max. Earth dist.	-1501 Jun 14 j 12:16	7°♊37'04	10.06851 AU
morning rise	-1501 Jul 02 j 00:32	9°♊52'15	
retrograde	-1501 Oct 13 j 04:31	17°♊55'20	
opposition	-1501 Dec 18 j 15:14	14°♊28'18	0°-25'-42
min. Earth dist.	-1501 Dec 18 j 05:04	14°♊30'23	8.12010 AU
direct	-1500 Feb 24 j 08:57	10°♊58'31	
evening set	-1500 Jun 09 j 14:39	19°♊09'19	
conjunction	-1500 Jun 27 j 17:09	21°♊27'26	0°-3'-39
minimum elong	-1500 Jun 27 j 17:10	21°♊27'26	0°03'39
behind sun begin	-1500 Jun 27 j 09:54	21°♊25'08	
behind sun end	-1500 Jun 28 j 00:25	21°♊29'44	
max. Earth dist.	-1500 Jun 28 j 06:13	21°♊31'36	10.17808 AU
morning rise	-1500 Jul 15 j 16:20	23°♊44'28	
asc. node	-1500 Aug 07 j 07:51	26°♊27'33	
	-1500 Sep 13 j 13:06	0°♋	
retrograde	-1500 Oct 25 j 18:18	1°♋36'02	
	-1500 Dec 07 j 17:24	30°℞♊	
opposition	-1500 Dec 31 j 09:30	28°♊10'47	0°15'57
min. Earth dist.	-1500 Dec 31 j 00:07	28°♊12'42	8.23934 AU
direct	-1499 Mar 09 j 19:07	24°♊41'40	
	-1499 May 31 j 21:18	0°♋	
evening set	-1499 Jun 24 j 02:16	2°♋44'57	
conjunction	-1499 Jul 12 j 01:07	5°♋00'04	0°29'25
minimum elong	-1499 Jul 12 j 01:06	5°♋00'03	0°29'25
max. Earth dist.	-1499 Jul 12 j 12:22	5°♋03'36	10.30564 AU
morning rise	-1499 Jul 29 j 19:52	7°♋13'51	
retrograde	-1499 Nov 07 j 22:34	14°♋53'53	

Attention, astronomical year style is used: The year -1498 in astronomical counting style is the year 1499 BCE in historical counting style.

opposition	-1498 Jan 13 j 20:26	11°♋30'26	0°55'29	
min. Earth dist.	-1498 Jan 13 j 11:50	11°♋32'09	8.37314 AU	
direct	-1498 Mar 23 j 21:48	8°♋02'14		
evening set	-1498 Jul 08 j 02:53	15°♋57'00		
conjunction	-1498 Jul 25 j 21:04	18°♋08'46	0°59'58	
minimum elong	-1498 Jul 25 j 21:02	18°♋08'45	0°59'59	
max. Earth dist.	-1498 Jul 26 j 06:31	18°♋11'42	10.44368 AU	
morning rise	-1498 Aug 12 j 10:33	20°♋19'02		
retrograde	-1498 Nov 20 j 18:43	27°♋48'08		
opposition	-1497 Jan 27 j 00:12	24°♋26'25	1°30'53	
min. Earth dist.	-1497 Jan 26 j 16:36	24°♋27'55	8.51383 AU	
direct	-1497 Apr 06 j 16:11	20°♋59'21		
evening set	-1497 Jul 21 j 15:47	28°♋45'05		
	-1497 Jul 31 j 22:38	0°♌		
conjunction	-1497 Aug 08 j 04:42	0°♌53'24	1°26'43	
minimum elong	-1497 Aug 08 j 04:39	0°♌53'23	1°26'44	
max. Earth dist.	-1497 Aug 08 j 12:26	0°♌55'47	10.58463 AU	
morning rise	-1497 Aug 25 j 12:28	3°♌00'09		
retrograde	-1497 Dec 03 j 05:45	10°♌19'20		
opposition	-1496 Feb 08 j 21:00	6°♌59'12	2°00'44	
min. Earth dist.	-1496 Feb 08 j 15:06	7°♌00'21	8.65401 AU	
direct	-1496 Apr 19 j 02:35	3°♌33'23		
evening set	-1496 Aug 02 j 17:07	11°♌10'04		
conjunction	-1496 Aug 20 j 00:34	13°♌15'02	1°48'39	
minimum elong	-1496 Aug 20 j 00:31	13°♌15'01	1°48'41	
max. Earth dist.	-1496 Aug 20 j 06:09	13°♌16'44	10.72138 AU	
	-1496 Sep 03 j 12:39	15°♌		
morning rise	-1496 Sep 06 j 02:47	15°♌18'29		
retrograde	-1496 Dec 14 j 10:09	22°♌29'03		
opposition	-1495 Feb 20 j 11:19	19°♌10'17	2°24'10	
min. Earth dist.	-1495 Feb 20 j 08:14	19°♌10'53	8.78674 AU	
direct	-1495 May 02 j 04:02	15°♌45'44		
evening set	-1495 Aug 15 j 07:24	23°♌13'47		
conjunction	-1495 Sep 01 j 09:35	25°♌15'44	2°05'13	
minimum elong	-1495 Sep 01 j 09:32	25°♌15'43	2°05'14	
max. Earth dist.	-1495 Sep 01 j 11:34	25°♌16'20	10.84726 AU	
morning rise	-1495 Sep 18 j 06:55	27°♌16'15		
	-1495 Oct 12 j 19:01	0°♍		
retrograde	-1495 Dec 26 j 07:13	4°♍19'42		
opposition	-1494 Mar 04 j 19:57	1°♍02'04	2°40'44	
min. Earth dist.	-1494 Mar 04 j 19:47	1°♍02'06	8.90545 AU	
	-1494 Mar 18 j 17:34	30°℞♌		
direct	-1494 May 14 j 21:03	27°♌38'47		
	-1494 Jul 09 j 08:27	0°♍		
evening set	-1494 Aug 27 j 11:49	4°♍58'58		
conjunction	-1494 Sep 13 j 09:16	6°♍58'20	2°16'07	
minimum elong	-1494 Sep 13 j 09:15	6°♍58'20	2°16'08	
max. Earth dist.	-1494 Sep 13 j 07:34	6°♍57'50	10.95639 AU	
morning rise	-1494 Sep 30 j 02:29	8°♍56'27		
retrograde	-1493 Jan 06 j 23:14	15°♍54'30		
opposition	-1493 Mar 16 j 23:56	12°♍37'42	2°50'18	
min. Earth dist.	-1493 Mar 17 j 01:51	12°♍37'20	9.00499 AU	
direct	-1493 May 27 j 09:28	9°♍15'38		
evening set	-1493 Sep 08 j 07:40	16°♍28'57		
conjunction	-1493 Sep 25 j 01:21	18°♍26'16	2°21'18	
minimum elong	-1493 Sep 25 j 01:20	18°♍26'15	2°21'18	
max. Earth dist.	-1493 Sep 24 j 21:21	18°♍25'05	11.04476 AU	
morning rise	-1493 Oct 11 j 15:14	20°♍22'30		
retrograde	-1492 Jan 18 j 14:42	27°♍16'48		
opposition	-1492 Mar 28 j 00:28	24°♍00'32	2°52'59	
min. Earth dist.	-1492 Mar 28 j 04:00	23°♍59'53	9.08223 AU	

direct	-1492 Jun 07 j 14:05	20°♍39'37		
evening set	-1492 Sep 18 j 20:26	27°♍47'02		
conjunction	-1492 Oct 05 j 11:18	29°♍42'53	2°20'53	
minimum elong	-1492 Oct 05 j 11:18	29°♍42'53	2°20'53	
max. Earth dist.	-1492 Oct 05 j 05:40	29°♍41'14	11.10991 AU	
	-1492 Oct 07 j 21:48	0°♎		
morning rise	-1492 Oct 21 j 22:49	1°♎37'50		
retrograde	-1491 Jan 29 j 02:31	8°♎29'56		
opposition	-1491 Apr 08 j 22:37	5°♎13'54	2°49'03	
min. Earth dist.	-1491 Apr 09 j 04:26	5°♎12'49	9.13514 AU	
direct	-1491 Jun 19 j 11:57	1°♎53'54		
evening set	-1491 Sep 30 j 04:04	8°♎56'39		
conjunction	-1491 Oct 16 j 16:49	10°♎51'31	2°15'07	
minimum elong	-1491 Oct 16 j 16:51	10°♎51'32	2°15'06	
max. Earth dist.	-1491 Oct 16 j 08:38	10°♎49'08	11.15015 AU	
morning rise	-1491 Nov 02 j 03:08	12°♎45'45		
retrograde	-1490 Feb 09 j 14:21	19°♎37'14		
opposition	-1490 Apr 20 j 19:22	16°♎21'06	2°38'50	
min. Earth dist.	-1490 Apr 21 j 03:36	16°♎19'35	9.16238 AU	
direct	-1490 Jul 01 j 08:24	13°♎01'49		
evening set	-1490 Oct 11 j 08:02	20°♎01'09		
conjunction	-1490 Oct 27 j 19:34	21°♎55'35	2°04'19	
minimum elong	-1490 Oct 27 j 19:36	21°♎55'36	2°04'19	
max. Earth dist.	-1490 Oct 27 j 09:05	21°♎52'32	11.16455 AU	
morning rise	-1490 Nov 13 j 05:40	23°♎49'39		
	-1489 Jan 22 j 16:23	0°♏		
retrograde	-1489 Feb 21 j 02:24	0°♏42'07		
	-1489 Mar 23 j 02:38	30°℞♎		
opposition	-1489 May 02 j 15:59	27°♎25'31	2°22'47	
min. Earth dist.	-1489 May 03 j 01:20	27°♎23'49	9.16336 AU	
direct	-1489 Jul 13 j 01:23	24°♎06'46		
	-1489 Oct 12 j 22:02	0°♏		
evening set	-1489 Oct 22 j 09:50	1°♏03'59		
conjunction	-1489 Nov 07 j 21:11	2°♏58'32	1°48'54	
minimum elong	-1489 Nov 07 j 21:14	2°♏58'32	1°48'53	
max. Earth dist.	-1489 Nov 07 j 10:18	2°♏55'21	11.15276 AU	
morning rise	-1489 Nov 24 j 07:48	4°♏52'56		
retrograde	-1488 Mar 03 j 18:48	11°♏48'02		
opposition	-1488 May 13 j 13:25	8°♏30'42	2°01'25	
min. Earth dist.	-1488 May 13 j 23:03	8°♏28'56	9.13812 AU	
direct	-1488 Jul 23 j 17:55	5°♏12'15		
evening set	-1488 Nov 01 j 11:45	12°♏08'48		
conjunction	-1488 Nov 17 j 23:37	14°♏03'58	1°29'20	
minimum elong	-1488 Nov 17 j 23:40	14°♏03'59	1°29'19	
max. Earth dist.	-1488 Nov 17 j 12:19	14°♏00'40	11.11515 AU	
	-1488 Nov 25 j 22:59	15°♏		
morning rise	-1488 Dec 04 j 11:28	15°♏59'14		
retrograde	-1487 Mar 15 j 14:32	22°♏58'29		
opposition	-1487 May 25 j 12:43	19°♏40'13	1°35'20	
min. Earth dist.	-1487 May 25 j 22:55	19°♏38'21	9.08755 AU	
direct	-1487 Aug 04 j 07:56	16°♏21'51		
evening set	-1487 Nov 12 j 15:34	23°♏19'20		
conjunction	-1487 Nov 29 j 04:23	25°♏15'33	1°06'12	
minimum elong	-1487 Nov 29 j 04:25	25°♏15'33	1°06'10	
max. Earth dist.	-1487 Nov 28 j 15:47	25°♏11'50	11.05303 AU	
morning rise	-1487 Dec 15 j 18:16	27°♏12'08		
	-1486 Jan 10 j 08:08	0°♐		
retrograde	-1486 Mar 27 j 14:22	4°♐17'12		
opposition	-1486 Jun 06 j 15:27	0°♐57'47	1°05'14	
min. Earth dist.	-1486 Jun 07 j 02:31	0°♐55'45	9.01341 AU	
	-1486 Jun 19 j 20:37	30°℞♏		

Attention, astronomical year style is used: The year -1486 in astronomical counting style is the year 1487 BCE in historical counting style.

direct	-1486 Aug 16 j 00:03	27°♏39'17	
	-1486 Oct 09 j 09:59	0°♐	
evening set	-1486 Nov 23 j 22:55	4°♐39'17	
conjunction	-1486 Dec 10 j 13:18	6°♐36'59	0°40'10
minimum elong	-1486 Dec 10 j 13:19	6°♐36'59	0°40'08
max. Earth dist.	-1486 Dec 10 j 00:28	6°♐33'10	10.96850 AU
morning rise	-1486 Dec 27 j 05:46	8°♐35'20	
retrograde	-1485 Apr 08 j 21:56	15°♐47'48	
opposition	-1485 Jun 18 j 22:27	12°♐27'04	0°31'59
min. Earth dist.	-1485 Jun 19 j 09:16	12°♐25'03	8.91823 AU
direct	-1485 Aug 27 j 20:01	9°♐08'12	
evening set	-1485 Dec 05 j 11:54	16°♐12'21	
conjunction	-1485 Dec 22 j 04:28	18°♐11'56	0°12'03
minimum elong	-1485 Dec 22 j 04:28	18°♐11'56	0°12'01
behind sun begin	-1485 Dec 21 j 23:37	18°♐10'29	
behind sun end	-1485 Dec 22 j 09:20	18°♐13'23	
max. Earth dist.	-1485 Dec 21 j 16:46	18°♐08'26	10.86431 AU
morning rise	-1484 Jan 07 j 23:44	20°♐12'25	
retrograde	-1484 Apr 20 j 12:54	27°♐33'45	
desc. node	-1484 May 25 j 19:50	26°♐35'36	
opposition	-1484 Jun 30 j 10:32	24°♐11'32	0°-3'-23
min. Earth dist.	-1484 Jun 30 j 20:05	24°♐09'44	8.80532 AU
direct	-1484 Sep 07 j 18:56	20°♐52'08	
evening set	-1484 Dec 16 j 08:25	28°♐02'04	
	-1483 Jan 01 j 14:41	0°♑	
conjunction	-1483 Jan 02 j 03:27	0°♑03'53	0°-17'-15
minimum elong	-1483 Jan 02 j 03:26	0°♑03'53	0°17'17
max. Earth dist.	-1483 Jan 01 j 17:02	0°♑00'43	10.74418 AU
morning rise	-1483 Jan 19 j 01:49	2°♑06'48	
retrograde	-1483 May 03 j 13:41	9°♑38'17	
opposition	-1483 Jul 13 j 05:00	6°♑14'31	0°-39'-36
min. Earth dist.	-1483 Jul 13 j 12:55	6°♑13'01	8.67892 AU
direct	-1483 Sep 19 j 23:14	2°♑54'24	
evening set	-1483 Dec 28 j 14:04	10°♑11'37	
conjunction	-1482 Jan 14 j 11:41	12°♑15'55	0°-46'-26
minimum elong	-1482 Jan 14 j 11:40	12°♑15'54	0°46'28
max. Earth dist.	-1482 Jan 14 j 02:07	12°♑12'58	10.61296 AU
morning rise	-1482 Jan 31 j 13:28	14°♑21'33	
retrograde	-1482 May 17 j 00:11	22°♑04'08	
opposition	-1482 Jul 26 j 06:34	18°♑38'50	-1°-15'-8
min. Earth dist.	-1482 Jul 26 j 13:12	18°♑37'33	8.54444 AU
direct	-1482 Oct 02 j 09:03	15°♑17'48	
evening set	-1481 Jan 10 j 06:29	22°♑43'40	
conjunction	-1481 Jan 27 j 07:03	24°♑50'39	-1°-14'-13
minimum elong	-1481 Jan 27 j 07:00	24°♑50'39	1°14'15
max. Earth dist.	-1481 Jan 26 j 23:00	24°♑48'08	10.47649 AU
morning rise	-1481 Feb 13 j 12:25	26°♑59'10	
	-1481 Mar 11 j 09:29	0°♒	
retrograde	-1481 May 30 j 18:18	4°♒53'19	
opposition	-1481 Aug 08 j 15:26	1°♒26'31	-1°-48'-10
min. Earth dist.	-1481 Aug 08 j 20:33	1°♒25'31	8.40817 AU
	-1481 Aug 27 j 15:26	30°℞♑	
direct	-1481 Oct 15 j 04:09	28°♑04'24	
	-1481 Dec 01 j 00:20	0°♒	
evening set	-1480 Jan 23 j 10:40	5°♒39'58	
conjunction	-1480 Feb 09 j 14:35	7°♒49'49	-1°-39'-3
minimum elong	-1480 Feb 09 j 14:32	7°♒49'48	1°39'05
max. Earth dist.	-1480 Feb 09 j 09:13	7°♒48'06	10.34135 AU
morning rise	-1480 Feb 26 j 23:33	10°♒01'15	
	-1480 Apr 11 j 16:01	15°♒	
retrograde	-1480 Jun 12 j 21:43	18°♒06'48	
	-1480 Aug 16 j 19:59	15°℞♒	
opposition	-1480 Aug 21 j 07:42	14°♒38'37	-2°-16'-39
min. Earth dist.	-1480 Aug 21 j 10:40	14°♒38'02	8.27692 AU
direct	-1480 Oct 27 j 08:30	11°♒15'21	
	-1479 Jan 01 j 14:21	15°♒	
evening set	-1479 Feb 05 j 03:10	19°♒01'07	
conjunction	-1479 Feb 22 j 10:43	21°♒13'50	-1°-59'-15
minimum elong	-1479 Feb 22 j 10:41	21°♒13'49	1°59'17
max. Earth dist.	-1479 Feb 22 j 09:04	21°♒13'18	10.21466 AU
morning rise	-1479 Mar 11 j 23:14	23°♒28'10	
	-1479 May 13 j 03:25	0°♓	
retrograde	-1479 Jun 27 j 10:08	1°♓44'06	
	-1479 Aug 12 j 10:55	30°℞♒	
opposition	-1479 Sep 04 j 06:55	28°♒14'45	-2°-38'-28
min. Earth dist.	-1479 Sep 04 j 06:53	28°♒14'46	8.15791 AU
direct	-1479 Nov 09 j 20:36	24°♒50'18	
	-1478 Jan 27 j 15:19	0°♓	
evening set	-1478 Feb 19 j 07:54	2°♓46'08	
conjunction	-1478 Mar 08 j 19:23	5°♓01'38	-2°-13'-14
minimum elong	-1478 Mar 08 j 19:22	5°♓01'37	2°13'16
max. Earth dist.	-1478 Mar 08 j 21:19	5°♓02'16	10.10387 AU
morning rise	-1478 Mar 26 j 11:32	7°♓18'41	
retrograde	-1478 Jul 12 j 05:44	15°♓43'02	
opposition	-1478 Sep 18 j 12:11	12°♓12'48	-2°-51'-37
min. Earth dist.	-1478 Sep 18 j 09:13	12°♓13'24	8.05825 AU
direct	-1478 Nov 23 j 16:48	8°♓47'08	
evening set	-1477 Mar 05 j 23:48	16°♓52'12	
conjunction	-1477 Mar 23 j 15:24	19°♓10'13	-2°-19'-36
minimum elong	-1477 Mar 23 j 15:24	19°♓10'13	2°19'37
max. Earth dist.	-1477 Mar 23 j 20:31	19°♓11'54	10.01580 AU
morning rise	-1477 Apr 10 j 11:12	21°♓29'39	
retrograde	-1477 Jul 27 j 05:08	29°♓59'33	
opposition	-1477 Oct 02 j 22:04	26°♓28'48	-2°-54'-34
min. Earth dist.	-1477 Oct 02 j 16:46	26°♓29'53	7.98396 AU
direct	-1477 Dec 07 j 22:21	23°♓01'56	
	-1476 Mar 10 j 06:29	0°♈	
evening set	-1476 Mar 20 j 00:56	1°♈14'38	
conjunction	-1476 Apr 06 j 20:37	3°♈34'45	-2°-17'-28
minimum elong	-1476 Apr 06 j 20:39	3°♈34'46	2°17'28
max. Earth dist.	-1476 Apr 07 j 04:15	3°♈37'16	9.95581 AU
morning rise	-1476 Apr 24 j 19:48	5°♈56'01	
retrograde	-1476 Aug 10 j 04:44	14°♈28'00	
opposition	-1476 Oct 16 j 10:34	10°♈57'07	-2°-46'-32
min. Earth dist.	-1476 Oct 16 j 03:46	10°♈58'32	7.93937 AU
direct	-1476 Dec 21 j 10:32	7°♈29'11	
evening set	-1475 Apr 04 j 08:23	15°♈47'15	
conjunction	-1475 Apr 22 j 07:54	18°♈08'54	-2°-6'-36
minimum elong	-1475 Apr 22 j 07:57	18°♈08'55	2°06'36
max. Earth dist.	-1475 Apr 22 j 17:11	18°♈11'58	9.92719 AU
morning rise	-1475 May 10 j 09:57	20°♈31'20	
retrograde	-1475 Aug 25 j 03:00	29°♈01'48	
opposition	-1475 Oct 30 j 23:47	25°♈31'15	-2°-27'-43
min. Earth dist.	-1475 Oct 30 j 16:12	25°♈32'50	7.92657 AU
direct	-1474 Jan 05 j 03:15	22°♈02'27	
	-1474 Apr 16 j 18:21	0°♉	
evening set	-1474 Apr 19 j 19:04	0°♉23'23	
conjunction	-1474 May 07 j 21:46	2°♉45'50	-1°-47'-35
minimum elong	-1474 May 07 j 21:50	2°♉45'51	1°47'35
max. Earth dist.	-1474 May 08 j 08:15	2°♉49'17	9.93108 AU
morning rise	-1474 May 26 j 01:47	5°♉08'38	
retrograde	-1474 Sep 08 j 21:26	13°♉34'17	

Attention, astronomical year style is used: The year -1474 in astronomical counting style is the year 1475 BCE in historical counting style.

opposition	-1474 Nov 14 j 11:40	10°♉04'29	-1°-59'-25
min. Earth dist.	-1474 Nov 14 j 03:18	10°♉06'13	7.94632 AU
direct	-1473 Jan 19 j 22:23	6°♉35'06	
evening set	-1473 May 05 j 06:01	14°♉56'15	
	-1473 May 05 j 17:41	15°♉	
conjunction	-1473 May 23 j 10:41	17°♉18'35	-1°-21'-48
minimum elong	-1473 May 23 j 10:45	17°♉18'36	1°21'48
max. Earth dist.	-1473 May 23 j 22:13	17°♉22'22	9.96777 AU
morning rise	-1473 Jun 10 j 15:14	19°♉40'49	
retrograde	-1473 Sep 23 j 09:48	27°♉58'44	
opposition	-1473 Nov 28 j 20:14	24°♉30'02	-1°-23'-47
min. Earth dist.	-1473 Nov 28 j 11:00	24°♉31'56	7.99838 AU
direct	-1472 Feb 03 j 18:14	21°♉00'23	
evening set	-1472 May 19 j 13:38	29°♉19'01	
	-1472 May 24 j 21:36	0°♊	
conjunction	-1472 Jun 06 j 18:42	1°♊40'16	0°-51'-12
minimum elong	-1472 Jun 06 j 18:45	1°♊40'17	0°51'12
max. Earth dist.	-1472 Jun 07 j 06:59	1°♊44'16	10.03581 AU
morning rise	-1472 Jun 24 j 22:11	4°♊00'58	
retrograde	-1472 Oct 06 j 13:41	12°♊08'58	
opposition	-1472 Dec 11 j 23:56	8°♊41'37	0°-43'-35
min. Earth dist.	-1472 Dec 11 j 14:01	8°♊43'39	8.08013 AU
direct	-1471 Feb 17 j 11:52	5°♊12'00	
evening set	-1471 Jun 03 j 14:41	13°♊25'40	
conjunction	-1471 Jun 21 j 18:27	15°♊44'56	0°-18'-3
minimum elong	-1471 Jun 21 j 18:28	15°♊44'56	0°18'02
max. Earth dist.	-1471 Jun 22 j 07:03	15°♊48'59	10.13110 AU
morning rise	-1471 Jul 09 j 19:16	18°♊03'15	
retrograde	-1471 Oct 20 j 08:16	26°♊00'06	
opposition	-1471 Dec 25 j 21:23	22°♊34'14	0°-1'-46
min. Earth dist.	-1471 Dec 25 j 11:30	22°♊36'15	8.18644 AU
asc. node	-1470 Jan 11 j 02:45	21°♊16'50	
direct	-1470 Mar 04 j 00:14	19°♊04'58	
evening set	-1470 Jun 18 j 07:04	27°♊11'48	
conjunction	-1470 Jul 06 j 07:54	29°♊28'21	0°15'29
minimum elong	-1470 Jul 06 j 07:53	29°♊28'20	0°15'30
behind sun begin	-1470 Jul 06 j 06:23	29°♊27'52	
behind sun end	-1470 Jul 06 j 09:22	29°♊28'48	
max. Earth dist.	-1470 Jul 06 j 19:55	29°♊32'09	10.24750 AU
	-1470 Jul 10 j 11:30	0°♋	
morning rise	-1470 Jul 24 j 04:38	1°♋43'37	
retrograde	-1470 Nov 02 j 17:49	9°♋28'53	
opposition	-1469 Jan 08 j 11:42	6°♋04'37	0°38'57
min. Earth dist.	-1469 Jan 08 j 03:01	6°♋06'22	8.31065 AU
direct	-1469 Mar 18 j 05:34	2°♋35'56	
evening set	-1469 Jul 02 j 12:52	10°♋34'40	
conjunction	-1469 Jul 20 j 09:21	12°♋48'00	0°47'16
minimum elong	-1469 Jul 20 j 09:18	12°♋48'00	0°47'17
max. Earth dist.	-1469 Jul 20 j 19:37	12°♋51'13	10.37789 AU
morning rise	-1469 Aug 07 j 01:05	14°♋59'52	
retrograde	-1469 Nov 15 j 18:14	22°♋33'51	
opposition	-1468 Jan 21 j 18:52	19°♋11'12	1°16'21
min. Earth dist.	-1468 Jan 21 j 11:54	19°♋12'35	8.44551 AU
direct	-1468 Mar 31 j 03:28	15°♋43'21	
evening set	-1468 Jul 15 j 06:52	23°♋33'13	
conjunction	-1468 Aug 01 j 22:09	25°♋43'07	1°15'48
minimum elong	-1468 Aug 01 j 22:06	25°♋43'06	1°15'49
max. Earth dist.	-1468 Aug 02 j 05:51	25°♋45'30	10.51495 AU
morning rise	-1468 Aug 19 j 08:29	27°♋51'29	
	-1468 Sep 06 j 16:15	0°♌	
retrograde	-1468 Nov 27 j 07:10	5°♌15'02	

opposition	-1467 Feb 02 j 18:40	1°♌53'53	1°48'44
min. Earth dist.	-1467 Feb 02 j 13:26	1°♌54'55	8.58367 AU
	-1467 Feb 28 j 12:01	30°℞♋	
direct	-1467 Apr 13 j 18:50	28°♋27'03	
	-1467 May 27 j 12:40	0°♌	
evening set	-1467 Jul 28 j 13:10	6°♌07'53	
conjunction	-1467 Aug 14 j 22:58	8°♌14'22	1°39'54
minimum elong	-1467 Aug 14 j 22:55	8°♌14'21	1°39'55
max. Earth dist.	-1467 Aug 15 j 03:53	8°♌15'52	10.65163 AU
morning rise	-1467 Sep 01 j 03:50	10°♌19'20	
	-1467 Oct 15 j 06:17	15°♌	
retrograde	-1467 Dec 09 j 13:24	17°♌33'41	
	-1466 Feb 05 j 10:21	15°℞♌	
opposition	-1466 Feb 15 j 11:26	14°♌13'52	2°15'01
min. Earth dist.	-1466 Feb 15 j 07:30	14°♌14'38	8.71823 AU
direct	-1466 Apr 27 j 01:00	10°♌48'12	
	-1466 Jul 11 j 03:30	15°♌	
evening set	-1466 Aug 10 j 08:05	18°♌20'11	
conjunction	-1466 Aug 27 j 12:36	20°♌23'31	1°58'50
minimum elong	-1466 Aug 27 j 12:33	20°♌23'30	1°58'51
max. Earth dist.	-1466 Aug 27 j 15:34	20°♌24'24	10.78155 AU
morning rise	-1466 Sep 13 j 12:11	22°♌25'22	
retrograde	-1466 Dec 21 j 14:08	29°♌31'55	
opposition	-1465 Feb 27 j 22:20	26°♌13'16	2°34'34
min. Earth dist.	-1465 Feb 27 j 19:57	26°♌13'43	8.84316 AU
direct	-1465 May 09 j 21:36	22°♌48'53	
	-1465 Aug 20 j 21:18	0°♍	
evening set	-1465 Aug 22 j 16:23	0°♍12'31	
conjunction	-1465 Sep 08 j 16:03	2°♍13'03	2°12'11
minimum elong	-1465 Sep 08 j 16:01	2°♍13'03	2°12'12
max. Earth dist.	-1465 Sep 08 j 17:19	2°♍13'26	10.89921 AU
morning rise	-1465 Sep 25 j 10:56	4°♍12'14	
retrograde	-1464 Jan 02 j 08:43	11°♍12'31	
opposition	-1464 Mar 11 j 04:08	7°♍54'51	2°47'08
min. Earth dist.	-1464 Mar 11 j 04:04	7°♍54'51	8.95343 AU
direct	-1464 May 21 j 10:56	4°♍31'44	
evening set	-1464 Sep 02 j 15:35	11°♍47'53	
conjunction	-1464 Sep 19 j 10:58	13°♍46'05	2°19'49
minimum elong	-1464 Sep 19 j 10:56	13°♍46'05	2°19'50
max. Earth dist.	-1464 Sep 19 j 09:33	13°♍45'40	11.00015 AU
morning rise	-1464 Oct 06 j 02:10	15°♍43'06	
retrograde	-1463 Jan 12 j 23:14	22°♍38'41	
opposition	-1463 Mar 23 j 05:38	19°♍21'46	2°52'45
min. Earth dist.	-1463 Mar 23 j 08:13	19°♍21'17	9.04497 AU
direct	-1463 Jun 02 j 17:15	15°♍59'54	
evening set	-1463 Sep 14 j 07:00	23°♍09'33	
conjunction	-1463 Sep 30 j 22:55	25°♍05'57	2°21'48
minimum elong	-1463 Sep 30 j 22:55	25°♍05'57	2°21'47
max. Earth dist.	-1463 Sep 30 j 18:24	25°♍04'37	11.08076 AU
morning rise	-1463 Oct 17 j 11:32	27°♍01'23	
	-1463 Nov 14 j 01:25	0°♎	
retrograde	-1462 Jan 24 j 10:14	3°♎53'52	
opposition	-1462 Apr 04 j 04:08	0°♎37'26	2°51'36
min. Earth dist.	-1462 Apr 04 j 08:19	0°♎36'39	9.11442 AU
	-1462 Apr 12 j 15:58	30°℞♍	
direct	-1462 Jun 14 j 18:35	27°♍16'44	
	-1462 Aug 14 j 00:19	0°♎	
evening set	-1462 Sep 25 j 16:06	4°♎21'01	
conjunction	-1462 Oct 12 j 05:38	6°♎16'09	2°18'18
minimum elong	-1462 Oct 12 j 05:39	6°♎16'09	2°18'17
max. Earth dist.	-1462 Oct 11 j 23:38	6°♎14'24	11.13818 AU

Attention, astronomical year style is used: The year -1462 in astronomical counting style is the year 1463 BCE in historical counting style.

morning rise	-1462 Oct 28 j 16:27	8°♎10'32	
retrograde	-1461 Feb 04 j 23:02	15°♎01'35	
opposition	-1461 Apr 16 j 00:46	11°♎45'21	2°44'02
min. Earth dist.	-1461 Apr 16 j 06:01	11°♎44'23	9.15936 AU
direct	-1461 Jun 26 j 16:19	8°♎25'43	
evening set	-1461 Oct 06 j 20:49	15°♎25'48	
conjunction	-1461 Oct 23 j 08:54	17°♎20'15	2°09'38
minimum elong	-1461 Oct 23 j 08:56	17°♎20'16	2°09'38
max. Earth dist.	-1461 Oct 23 j 01:54	17°♎18'13	11.17047 AU
morning rise	-1461 Nov 08 j 18:51	19°♎14'10	
retrograde	-1460 Feb 16 j 10:46	26°♎05'20	
opposition	-1460 Apr 26 j 20:39	22°♎49'02	2°30'26
min. Earth dist.	-1460 Apr 27 j 03:27	22°♎47'48	9.17846 AU
direct	-1460 Jul 07 j 07:55	19°♎30'15	
evening set	-1460 Oct 16 j 22:52	26°♎27'31	
conjunction	-1460 Nov 02 j 10:12	28°♎21'47	1°56'11
minimum elong	-1460 Nov 02 j 10:15	28°♎21'47	1°56'10
max. Earth dist.	-1460 Nov 02 j 01:09	28°♎19'08	11.17666 AU
	-1460 Nov 16 j 13:12	0°♏	
morning rise	-1460 Nov 18 j 20:24	0°♏15'47	
retrograde	-1459 Feb 27 j 00:27	7°♏08'40	
opposition	-1459 May 08 j 16:57	3°♏52'02	2°11'20
min. Earth dist.	-1459 May 09 j 01:45	3°♏50'26	9.17107 AU
direct	-1459 Jul 18 j 23:14	0°♏33'51	
evening set	-1459 Oct 28 j 00:06	7°♏29'44	
conjunction	-1459 Nov 13 j 11:25	9°♏24'19	1°38'23
minimum elong	-1459 Nov 13 j 11:28	9°♏24'19	1°38'22
max. Earth dist.	-1459 Nov 13 j 00:38	9°♏21'10	11.15650 AU
morning rise	-1459 Nov 29 j 22:39	11°♏18'54	
	-1458 Jan 04 j 02:08	15°♏	
retrograde	-1458 Mar 10 j 16:36	18°♏15'07	
opposition	-1458 May 20 j 14:44	14°♏57'51	1°47'16
	-1458 May 20 j 02:57	15°℞♏	
min. Earth dist.	-1458 May 21 j 00:26	14°♏56'05	9.13742 AU
direct	-1458 Jul 30 j 13:45	11°♏40'02	
	-1458 Oct 04 j 23:14	15°♏	
evening set	-1458 Nov 08 j 02:13	18°♏35'59	
conjunction	-1458 Nov 24 j 14:24	20°♏31'22	1°16'46
minimum elong	-1458 Nov 24 j 14:26	20°♏31'23	1°16'45
max. Earth dist.	-1458 Nov 24 j 03:27	20°♏28'10	11.11054 AU
morning rise	-1458 Dec 11 j 03:13	22°♏27'01	
retrograde	-1457 Mar 22 j 14:26	29°♏28'13	
opposition	-1457 Jun 01 j 15:08	26°♏10'00	1°18'54
min. Earth dist.	-1457 Jun 02 j 00:40	26°♏08'15	9.07847 AU
direct	-1457 Aug 11 j 05:48	22°♏52'18	
evening set	-1457 Nov 19 j 07:04	29°♏49'51	
	-1457 Nov 20 j 18:07	0°♐	
conjunction	-1457 Dec 05 j 20:41	1°♐46'30	0°52'00
minimum elong	-1457 Dec 05 j 20:43	1°♐46'31	0°51'57
max. Earth dist.	-1457 Dec 05 j 09:41	1°♐43'15	11.03993 AU
morning rise	-1457 Dec 22 j 11:40	3°♐43'39	
retrograde	-1456 Apr 02 j 19:39	10°♐51'21	
opposition	-1456 Jun 12 j 19:14	7°♐31'58	0°47'03
min. Earth dist.	-1456 Jun 13 j 04:55	7°♐30'11	8.99572 AU
direct	-1456 Aug 21 j 22:32	4°♐14'05	
evening set	-1456 Nov 29 j 16:47	11°♐14'53	
conjunction	-1456 Dec 16 j 08:06	13°♐13'11	0°24'47
minimum elong	-1456 Dec 16 j 08:07	13°♐13'11	0°24'44
max. Earth dist.	-1456 Dec 15 j 19:59	13°♐09'34	10.94647 AU
morning rise	-1455 Jan 02 j 01:48	15°♐12'16	
retrograde	-1455 Apr 15 j 05:05	22°♐27'58	
opposition	-1455 Jun 25 j 04:00	19°♐07'15	0°12'38
min. Earth dist.	-1455 Jun 25 j 14:17	19°♐05'19	8.89140 AU
direct	-1455 Sep 02 j 17:19	15°♐48'53	
desc. node	-1455 Nov 06 j 04:52	19°♐06'23	
evening set	-1455 Dec 11 j 08:54	22°♐54'40	
conjunction	-1455 Dec 28 j 02:25	24°♐55'01	0°-4'-4
minimum elong	-1455 Dec 28 j 02:23	24°♐55'00	0°04'07
behind sun begin	-1455 Dec 27 j 19:28	24°♐52'57	
behind sun end	-1455 Dec 28 j 09:19	24°♐57'04	
max. Earth dist.	-1455 Dec 27 j 13:51	24°♐51'14	10.83290 AU
morning rise	-1454 Jan 13 j 23:12	26°♐56'22	
	-1454 Feb 10 j 09:45	0°♑	
retrograde	-1454 Apr 27 j 23:40	4°♑21'39	
opposition	-1454 Jul 07 j 18:43	0°♑59'23	0°-23'-13
min. Earth dist.	-1454 Jul 08 j 04:55	0°♑57'27	8.76909 AU
	-1454 Jul 21 j 01:57	30°℞♐	
direct	-1454 Sep 14 j 19:49	27°♐40'17	
	-1454 Nov 06 j 20:26	0°♑	
evening set	-1454 Dec 23 j 09:13	4°♑52'42	
conjunction	-1453 Jan 09 j 05:23	6°♑55'26	0°-33'-17
minimum elong	-1453 Jan 09 j 05:22	6°♑55'26	0°33'19
max. Earth dist.	-1453 Jan 08 j 18:16	6°♑52'02	10.70358 AU
morning rise	-1453 Jan 26 j 05:25	8°♑59'25	
retrograde	-1453 May 11 j 04:19	16°♑35'27	
opposition	-1453 Jul 20 j 16:01	13°♑11'30	0°-59'-7
min. Earth dist.	-1453 Jul 21 j 00:42	13°♑09'51	8.63413 AU
direct	-1453 Sep 27 j 02:55	9°♑51'28	
evening set	-1452 Jan 04 j 19:38	17°♑11'58	
conjunction	-1452 Jan 21 j 18:46	19°♑17'21	-1°-1'-48
minimum elong	-1452 Jan 21 j 18:44	19°♑17'20	1°01'49
max. Earth dist.	-1452 Jan 21 j 09:31	19°♑14'29	10.56446 AU
morning rise	-1452 Feb 07 j 22:09	21°♑24'09	
retrograde	-1452 May 23 j 17:54	29°♑11'40	
opposition	-1452 Aug 01 j 20:19	25°♑46'00	-1°-33'-24
min. Earth dist.	-1452 Aug 02 j 02:53	25°♑44'44	8.49297 AU
direct	-1452 Oct 08 j 16:44	22°♑24'48	
evening set	-1451 Jan 16 j 17:22	29°♑54'38	
	-1451 Jan 17 j 10:48	0°♒	
conjunction	-1451 Feb 02 j 19:35	2°♒02'50	-1°-28'-6
minimum elong	-1451 Feb 02 j 19:32	2°♒02'50	1°28'07
max. Earth dist.	-1451 Feb 02 j 12:08	2°♒00'30	10.42241 AU
morning rise	-1451 Feb 20 j 02:32	4°♒12'35	
retrograde	-1451 Jun 06 j 17:08	12°♒11'46	
opposition	-1451 Aug 15 j 08:16	8°♒44'27	-2°-4'-10
min. Earth dist.	-1451 Aug 15 j 12:43	8°♒43'34	8.35267 AU
direct	-1451 Oct 21 j 15:08	5°♒21'54	
evening set	-1450 Jan 30 j 03:02	13°♒01'50	
	-1450 Feb 14 j 16:01	15°♒	
conjunction	-1450 Feb 16 j 08:37	15°♒12'58	-1°-50'-36
minimum elong	-1450 Feb 16 j 08:34	15°♒12'57	1°50'37
max. Earth dist.	-1450 Feb 16 j 03:08	15°♒11'13	10.28477 AU
morning rise	-1450 Mar 05 j 19:18	17°♒25'43	
retrograde	-1450 Jun 21 j 01:10	25°♒36'01	
opposition	-1450 Aug 29 j 03:33	22°♒07'11	-2°-29'-18
min. Earth dist.	-1450 Aug 29 j 06:06	22°♒06'41	8.22066 AU
direct	-1450 Nov 03 j 21:58	18°♒43'12	
evening set	-1449 Feb 13 j 01:12	26°♒33'33	
conjunction	-1449 Mar 02 j 10:33	28°♒47'34	-2°-7'-38
minimum elong	-1449 Mar 02 j 10:30	28°♒47'34	2°07'40
max. Earth dist.	-1449 Mar 02 j 07:53	28°♒46'43	10.15909 AU
	-1449 Mar 11 j 18:58	0°♓	

Attention, astronomical year style is used: The year -1449 in astronomical counting style is the year 1450 BCE in historical counting style.

morning rise	-1449 Mar 20 j 01:01	1°♓03'14	
retrograde	-1449 Jul 05 j 16:09	9°♓23'11	
opposition	-1449 Sep 12 j 05:19	5°♓53'07	-2°-46'-44
min. Earth dist.	-1449 Sep 12 j 05:51	5°♓53'01	8.10431 AU
direct	-1449 Nov 17 j 14:29	2°♓27'40	
evening set	-1448 Feb 27 j 11:09	10°♓28'04	
conjunction	-1448 Mar 16 j 00:38	12°♓44'50	-2°-17'-43
minimum elong	-1448 Mar 16 j 00:37	12°♓44'50	2°17'44
max. Earth dist.	-1448 Mar 16 j 01:30	12°♓45'07	10.05266 AU
morning rise	-1448 Apr 02 j 18:49	15°♓03'08	
retrograde	-1448 Jul 19 j 12:04	23°♓30'27	
opposition	-1448 Sep 25 j 12:40	19°♓59'30	-2°-54'-39
min. Earth dist.	-1448 Sep 25 j 10:37	19°♓59'56	8.01051 AU
direct	-1448 Nov 30 j 16:34	16°♓32'42	
evening set	-1447 Mar 13 j 07:20	24°♓41'53	
conjunction	-1447 Mar 31 j 01:06	27°♓01'06	-2°-19'-39
minimum elong	-1447 Mar 31 j 01:07	27°♓01'07	2°19'40
max. Earth dist.	-1447 Mar 31 j 05:45	27°♓02'38	9.97212 AU
morning rise	-1447 Apr 17 j 22:47	29°♓21'37	
	-1447 Apr 22 j 22:40	0°♈	
retrograde	-1447 Aug 03 j 10:51	7°♈53'12	
opposition	-1447 Oct 09 j 23:56	4°♈21'47	-2°-51'-52
min. Earth dist.	-1447 Oct 09 j 19:07	4°♈22'47	7.94521 AU
direct	-1447 Dec 15 j 01:06	0°♈53'46	
evening set	-1446 Mar 28 j 11:49	9°♈09'49	
conjunction	-1446 Apr 15 j 09:46	11°♈30'59	-2°-12'-53
minimum elong	-1446 Apr 15 j 09:49	11°♈31'00	2°12'54
max. Earth dist.	-1446 Apr 15 j 17:55	11°♈33'41	9.92284 AU
morning rise	-1446 May 03 j 10:36	13°♈53'06	
retrograde	-1446 Aug 18 j 10:48	22°♈25'18	
opposition	-1446 Oct 24 j 13:01	18°♈53'53	-2°-38'-4
min. Earth dist.	-1446 Oct 24 j 05:46	18°♈55'24	7.91279 AU
direct	-1446 Dec 29 j 15:00	15°♈24'51	
evening set	-1445 Apr 12 j 21:34	23°♈45'17	
conjunction	-1445 Apr 30 j 23:08	26°♈07'41	-1°-57'-35
minimum elong	-1445 Apr 30 j 23:12	26°♈07'42	1°57'36
max. Earth dist.	-1445 May 01 j 10:01	26°♈11'17	9.90816 AU
morning rise	-1445 May 19 j 02:21	28°♈30'38	
	-1445 May 30 j 19:23	0°♉	
retrograde	-1445 Sep 02 j 08:32	6°♉59'41	
opposition	-1445 Nov 08 j 02:01	3°♉28'47	-2°-14'00
min. Earth dist.	-1445 Nov 07 j 17:05	3°♉30'39	7.91545 AU
	-1444 Jan 09 j 05:38	30°℞♈	
direct	-1444 Jan 13 j 08:51	29°♈59'01	
	-1444 Jan 17 j 12:27	0°♉	
evening set	-1444 Apr 27 j 09:02	8°♉20'59	
conjunction	-1444 May 15 j 13:07	10°♉43'43	-1°-34'-46
minimum elong	-1444 May 15 j 13:11	10°♉43'44	1°34'47
max. Earth dist.	-1444 May 16 j 01:44	10°♉47'52	9.92905 AU
morning rise	-1444 Jun 02 j 17:32	13°♉06'33	
	-1444 Jun 17 j 17:56	15°♉	
retrograde	-1444 Sep 16 j 01:01	21°♉29'09	
opposition	-1444 Nov 21 j 12:42	17°♉59'12	-1°-41'-28
min. Earth dist.	-1444 Nov 21 j 02:57	18°♉01'14	7.95313 AU
	-1443 Jan 03 j 15:30	15°℞♉	
direct	-1443 Jan 27 j 04:39	14°♉29'02	
	-1443 Feb 19 j 18:51	15°♉	
evening set	-1443 May 12 j 18:48	22°♉49'42	
conjunction	-1443 May 30 j 23:58	25°♉11'47	-1°-6'-9
minimum elong	-1443 May 31 j 00:02	25°♉11'48	1°06'09
max. Earth dist.	-1443 May 31 j 13:18	25°♉16'09	9.98414 AU
morning rise	-1443 Jun 18 j 04:10	27°♉33'32	
	-1443 Jul 07 j 21:42	0°♊	
retrograde	-1443 Sep 30 j 09:28	5°♊47'02	
opposition	-1443 Dec 05 j 19:07	2°♊18'26	-1°-2'-59
min. Earth dist.	-1443 Dec 05 j 09:12	2°♊20'30	8.02338 AU
	-1442 Jan 05 j 06:30	30°℞♉	
direct	-1442 Feb 10 j 23:47	28°♉48'15	
	-1442 Mar 19 j 13:05	0°♊	
evening set	-1442 May 27 j 23:37	7°♊05'02	
conjunction	-1442 Jun 15 j 04:13	9°♊25'32	0°-33'-52
minimum elong	-1442 Jun 15 j 04:15	9°♊25'32	0°33'52
max. Earth dist.	-1442 Jun 15 j 17:19	9°♊29'46	10.06961 AU
morning rise	-1442 Jul 03 j 06:37	11°♊45'15	
retrograde	-1442 Oct 14 j 08:15	19°♊48'00	
opposition	-1442 Dec 19 j 19:56	16°♊21'01	0°-21'-30
min. Earth dist.	-1442 Dec 19 j 10:12	16°♊23'01	8.12149 AU
direct	-1441 Feb 25 j 15:07	12°♊51'10	
evening set	-1441 Jun 11 j 20:45	21°♊01'59	
conjunction	-1441 Jun 29 j 23:02	23°♊20'02	0°00'-12
minimum elong	-1441 Jun 29 j 23:04	23°♊20'02	0°00'12
behind sun begin	-1441 Jun 29 j 15:49	23°♊17'45	
behind sun end	-1441 Jun 30 j 06:19	23°♊22'20	
max. Earth dist.	-1441 Jun 30 j 11:16	23°♊23'56	10.17973 AU
asc. node	-1441 Jul 02 j 07:20	23°♊38'02	
morning rise	-1441 Jul 17 j 22:06	25°♊36'58	
	-1441 Aug 25 j 04:15	0°♋	
retrograde	-1441 Oct 27 j 22:20	3°♋28'14	
opposition	-1440 Jan 02 j 14:01	0°♋03'01	0°20'07
min. Earth dist.	-1440 Jan 02 j 04:26	0°♋04'58	8.24122 AU
	-1440 Jan 03 j 04:56	30°℞♊	
direct	-1440 Mar 11 j 00:34	26°♊33'52	
	-1440 May 15 j 05:57	0°♋	
evening set	-1440 Jun 25 j 08:03	4°♋37'06	
conjunction	-1440 Jul 13 j 06:41	6°♋52'08	0°32'41
minimum elong	-1440 Jul 13 j 06:39	6°♋52'07	0°32'42
max. Earth dist.	-1440 Jul 13 j 17:53	6°♋55'40	10.30773 AU
morning rise	-1440 Jul 31 j 01:06	9°♋05'47	
retrograde	-1440 Nov 09 j 03:22	16°♋45'34	
opposition	-1439 Jan 15 j 00:55	13°♋22'09	0°59'23
min. Earth dist.	-1439 Jan 14 j 15:48	13°♋23'58	8.37542 AU
direct	-1439 Mar 25 j 02:41	9°♋53'58	
evening set	-1439 Jul 09 j 08:10	17°♋48'36	
conjunction	-1439 Jul 27 j 02:08	20°♋00'16	1°02'57
minimum elong	-1439 Jul 27 j 02:05	20°♋00'15	1°02'59
max. Earth dist.	-1439 Jul 27 j 12:15	20°♋03'25	10.44616 AU
morning rise	-1439 Aug 13 j 15:10	22°♋10'25	
retrograde	-1439 Nov 21 j 22:41	29°♋39'18	
opposition	-1438 Jan 28 j 04:37	26°♋17'37	1°34'20
min. Earth dist.	-1438 Jan 27 j 20:54	26°♋19'08	8.51651 AU
direct	-1438 Apr 07 j 21:20	22°♋50'35	
	-1438 Jul 17 j 19:27	0°♌	
evening set	-1438 Jul 22 j 20:47	0°♌36'11	
conjunction	-1438 Aug 09 j 09:22	2°♌44'22	1°29'17
minimum elong	-1438 Aug 09 j 09:19	2°♌44'21	1°29'18
max. Earth dist.	-1438 Aug 09 j 17:35	2°♌46'54	10.58748 AU
morning rise	-1438 Aug 26 j 16:42	4°♌50'59	
retrograde	-1438 Dec 04 j 10:29	12°♌09'59	
opposition	-1437 Feb 10 j 01:19	8°♌49'55	2°03'35
min. Earth dist.	-1437 Feb 09 j 19:57	8°♌50'58	8.65714 AU
direct	-1437 Apr 21 j 06:38	5°♌24'08	
evening set	-1437 Aug 04 j 21:47	13°♌00'41	
	-1437 Aug 21 j 10:34	15°♌	

Attention, astronomical year style is used: The year -1437 in astronomical counting style is the year 1438 BCE in historical counting style.

conjunction	-1437 Aug 22 j 04:48	15°♌05'31	1°50'42
minimum elong	-1437 Aug 22 j 04:45	15°♌05'30	1°50'43
max. Earth dist.	-1437 Aug 22 j 10:04	15°♌07'07	10.72476 AU
morning rise	-1437 Sep 08 j 06:43	17°♌08'50	
retrograde	-1437 Dec 16 j 13:40	24°♌19'14	
opposition	-1436 Feb 22 j 15:41	21°♌00'32	2°26'19
min. Earth dist.	-1436 Feb 22 j 12:45	21°♌01'06	8.79056 AU
direct	-1436 May 03 j 08:03	17°♌36'03	
evening set	-1436 Aug 16 j 11:34	25°♌03'52	

conjunction	-1436 Sep 02 j 13:19	27°♌05'40	2°06'40
minimum elong	-1436 Sep 02 j 13:17	27°♌05'39	2°06'41
max. Earth dist.	-1436 Sep 02 j 15:04	27°♌06'12	10.85154 AU
morning rise	-1436 Sep 19 j 10:26	29°♌06'05	
	-1436 Sep 27 j 04:48	0°♍	
retrograde	-1436 Dec 27 j 09:41	6°♍09'23	
opposition	-1435 Mar 06 j 00:11	2°♍51'46	2°42'06
min. Earth dist.	-1435 Mar 05 j 23:14	2°♍51'57	8.91033 AU
	-1435 Apr 20 j 09:13	30°℞♌	
direct	-1435 May 16 j 03:13	29°♌28'34	
	-1435 Jun 10 j 15:56	0°♍	
evening set	-1435 Aug 28 j 15:27	6°♍48'23	

conjunction	-1435 Sep 14 j 12:41	8°♍47'37	2°16'56
minimum elong	-1435 Sep 14 j 12:40	8°♍47'36	2°16'56
max. Earth dist.	-1435 Sep 14 j 11:47	8°♍47'21	10.96184 AU
morning rise	-1435 Oct 01 j 05:38	10°♍45'35	
retrograde	-1434 Jan 08 j 03:41	17°♍43'24	
opposition	-1434 Mar 18 j 03:52	14°♍26'37	2°50'53
min. Earth dist.	-1434 Mar 18 j 04:52	14°♍26'26	9.01091 AU
direct	-1434 May 28 j 13:35	11°♍04'40	
evening set	-1434 Sep 09 j 10:49	18°♍17'28	

conjunction	-1434 Sep 26 j 04:22	20°♍14'41	2°21'28
minimum elong	-1434 Sep 26 j 04:22	20°♍14'40	2°21'28
max. Earth dist.	-1434 Sep 26 j 01:26	20°♍13'49	11.05104 AU
morning rise	-1434 Oct 12 j 17:58	22°♍10'47	
retrograde	-1433 Jan 19 j 17:19	29°♍04'48	
opposition	-1433 Mar 30 j 04:16	25°♍48'34	2°52'47
min. Earth dist.	-1433 Mar 30 j 07:45	25°♍47'55	9.08870 AU
direct	-1433 Jun 09 j 16:51	22°♍27'45	
evening set	-1433 Sep 20 j 23:11	29°♍34'40	
	-1433 Sep 24 j 15:21	0°♎	

conjunction	-1433 Oct 07 j 13:48	1°♎30'22	2°20'26
minimum elong	-1433 Oct 07 j 13:48	1°♎30'22	2°20'25
max. Earth dist.	-1433 Oct 07 j 08:09	1°♎28'43	11.11649 AU
morning rise	-1433 Oct 24 j 01:14	3°♎25'13	
retrograde	-1432 Jan 31 j 05:40	10°♎17'04	
opposition	-1432 Apr 10 j 02:16	7°♎01'04	2°48'06
min. Earth dist.	-1432 Apr 10 j 08:25	6°♎59'56	9.14175 AU
direct	-1432 Jun 20 j 16:17	3°♎41'11	
evening set	-1432 Oct 01 j 06:23	10°♎43'25	

conjunction	-1432 Oct 17 j 18:58	12°♎38'11	2°14'04
minimum elong	-1432 Oct 17 j 18:59	12°♎38'12	2°14'03
max. Earth dist.	-1432 Oct 17 j 10:29	12°♎35'43	11.15673 AU
morning rise	-1432 Nov 03 j 05:21	14°♎32'20	
retrograde	-1431 Feb 10 j 15:55	21°♎23'34	
opposition	-1431 Apr 21 j 22:41	18°♎07'28	2°37'11
min. Earth dist.	-1431 Apr 22 j 06:37	18°♎06'01	9.16880 AU
direct	-1431 Jul 02 j 11:23	14°♎48'18	
evening set	-1431 Oct 12 j 09:55	21°♎47'08	

conjunction	-1431 Oct 28 j 21:31	23°♎41'30	2°02'43
minimum elong	-1431 Oct 28 j 21:33	23°♎41'31	2°02'42
max. Earth dist.	-1431 Oct 28 j 11:44	23°♎38'39	11.17076 AU

morning rise	-1431 Nov 14 j 07:37	25°♎35'30	
	-1431 Dec 27 j 21:36	0°♏	
retrograde	-1430 Feb 22 j 05:19	2°♏27'46	
	-1430 Apr 22 j 13:16	30°℞♎	
opposition	-1430 May 03 j 19:00	29°♎11'12	2°20'30
min. Earth dist.	-1430 May 04 j 03:32	29°♎09'39	9.16920 AU
direct	-1430 Jul 14 j 05:17	25°♎52'35	
	-1430 Sep 27 j 06:46	0°♏	
evening set	-1430 Oct 23 j 11:28	2°♏49'19	

conjunction	-1430 Nov 08 j 22:55	4°♏43'49	1°46'49
minimum elong	-1430 Nov 08 j 22:58	4°♏43'49	1°46'49
max. Earth dist.	-1430 Nov 08 j 12:40	4°♏40'49	11.15826 AU
morning rise	-1430 Nov 25 j 09:32	6°♏38'10	
retrograde	-1429 Mar 05 j 21:44	13°♏33'04	
opposition	-1429 May 15 j 16:20	10°♏15'47	1°58'36
min. Earth dist.	-1429 May 16 j 01:49	10°♏14'03	9.14316 AU
direct	-1429 Jul 25 j 19:40	6°♏57'28	
evening set	-1429 Nov 03 j 13:13	13°♏53'34	
	-1429 Nov 13 j 02:39	15°♏	

conjunction	-1429 Nov 20 j 01:04	15°♏48'41	1°26'51
minimum elong	-1429 Nov 20 j 01:06	15°♏48'42	1°26'51
max. Earth dist.	-1429 Nov 19 j 13:21	15°♏45'15	11.11983 AU
morning rise	-1429 Dec 06 j 13:06	17°♏43'56	
retrograde	-1428 Mar 16 j 16:02	24°♏43'02	
opposition	-1428 May 26 j 15:33	21°♏24'48	1°32'05
min. Earth dist.	-1428 May 27 j 02:18	21°♏22'50	9.09175 AU
direct	-1428 Aug 05 j 10:05	18°♏06'31	
evening set	-1428 Nov 13 j 16:48	25°♏03'37	

conjunction	-1428 Nov 30 j 05:40	26°♏59'48	1°03'25
minimum elong	-1428 Nov 30 j 05:42	26°♏59'49	1°03'23
max. Earth dist.	-1428 Nov 29 j 16:49	26°♏56'01	11.05682 AU
morning rise	-1428 Dec 16 j 19:50	28°♏56'24	
	-1428 Dec 26 j 03:33	0°♐	
retrograde	-1427 Mar 28 j 16:33	6°♐01'22	
opposition	-1427 Jun 07 j 17:59	2°♐41'57	1°01'41
min. Earth dist.	-1427 Jun 08 j 05:11	2°♐39'53	9.01664 AU
	-1427 Jul 20 j 11:52	30°℞♏	
direct	-1427 Aug 17 j 03:02	29°♏23'30	
	-1427 Sep 13 j 06:45	0°♐	
evening set	-1427 Nov 25 j 00:00	6°♐23'11	

conjunction	-1427 Dec 11 j 14:35	8°♐20'52	0°37'11
minimum elong	-1427 Dec 11 j 14:37	8°♐20'53	0°37'09
max. Earth dist.	-1427 Dec 11 j 02:26	8°♐17'15	10.97118 AU
morning rise	-1427 Dec 28 j 07:08	10°♐19'13	
retrograde	-1426 Apr 09 j 23:33	17°♐31'40	
opposition	-1426 Jun 20 j 00:43	14°♐10'53	0°28'16
min. Earth dist.	-1426 Jun 20 j 10:57	14°♐08'59	8.92032 AU
direct	-1426 Aug 28 j 21:55	10°♐52'05	
evening set	-1426 Dec 06 j 13:00	17°♐56'00	

conjunction	-1426 Dec 23 j 05:42	19°♐55'35	0°09'00
minimum elong	-1426 Dec 23 j 05:42	19°♐55'35	0°08'58
behind sun begin	-1426 Dec 22 j 23:41	19°♐53'48	
behind sun end	-1426 Dec 23 j 11:43	19°♐57'22	
max. Earth dist.	-1426 Dec 22 j 18:24	19°♐52'12	10.86580 AU
morning rise	-1425 Jan 09 j 01:02	21°♐56'04	
desc. node	-1425 Apr 18 j 09:21	29°♐16'32	
retrograde	-1425 Apr 22 j 16:09	29°♐17'26	
opposition	-1425 Jul 02 j 12:45	25°♐55'11	0°-7'-8
min. Earth dist.	-1425 Jul 02 j 21:53	25°♐53'28	8.80623 AU
direct	-1425 Sep 09 j 20:50	22°♐35'49	
evening set	-1425 Dec 18 j 09:33	29°♐45'34	
	-1425 Dec 20 j 09:53	0°♑	

Attention, astronomical year style is used: The year -1424 in astronomical counting style is the year 1425 BCE in historical counting style.

conjunction	-1424 Jan 04 j 04:37	1°♑47'24	0°-20'-16	
minimum elong	-1424 Jan 04 j 04:36	1°♑47'23	0°20'18	
max. Earth dist.	-1424 Jan 03 j 17:33	1°♑44'02	10.74454 AU	
morning rise	-1424 Jan 21 j 03:11	3°♑50'21		
retrograde	-1424 May 04 j 16:27	11°♑21'54		
opposition	-1424 Jul 14 j 07:08	7°♑58'07	0°-43'-14	
min. Earth dist.	-1424 Jul 14 j 15:30	7°♑56'31	8.67869 AU	
direct	-1424 Sep 20 j 23:44	4°♑37'58		
evening set	-1424 Dec 29 j 15:23	11°♑55'10		
conjunction	-1423 Jan 15 j 13:03	13°♑59'28	0°-49'-17	
minimum elong	-1423 Jan 15 j 13:01	13°♑59'28	0°49'19	
max. Earth dist.	-1423 Jan 15 j 02:46	13°♑56'18	10.61217 AU	
morning rise	-1423 Feb 01 j 15:02	16°♑05'08		
retrograde	-1423 May 18 j 00:51	23°♑47'52		
opposition	-1423 Jul 27 j 08:29	20°♑22'30	-1°-18'-29	
min. Earth dist.	-1423 Jul 27 j 15:52	20°♑21'05	8.54306 AU	
direct	-1423 Oct 03 j 10:55	17°♑01'24		
evening set	-1422 Jan 11 j 07:53	24°♑27'23		
conjunction	-1422 Jan 28 j 08:36	26°♑34'26	-1°-16'-46	
minimum elong	-1422 Jan 28 j 08:33	26°♑34'25	1°16'48	
max. Earth dist.	-1422 Jan 28 j 00:39	26°♑31'56	10.47452 AU	
morning rise	-1422 Feb 14 j 14:04	28°♑42'58		
	-1422 Feb 25 j 05:36	0°♒		
retrograde	-1422 May 31 j 19:38	6°♒37'22		
opposition	-1422 Aug 09 j 17:17	3°♒10'28	-1°-51'-4	
min. Earth dist.	-1422 Aug 09 j 22:36	3°♒09'26	8.40567 AU	
	-1422 Oct 01 j 13:16	30°℞♑		
direct	-1422 Oct 16 j 06:42	29°♑48'18		
	-1422 Oct 30 j 20:09	0°♒		
evening set	-1421 Jan 24 j 12:14	7°♒24'02		
conjunction	-1421 Feb 10 j 16:22	9°♒33'57	-1°-41'-9	
minimum elong	-1421 Feb 10 j 16:19	9°♒33'56	1°41'11	
max. Earth dist.	-1421 Feb 10 j 11:34	9°♒32'26	10.33824 AU	
morning rise	-1421 Feb 28 j 01:21	11°♒45'28		
	-1421 Mar 27 j 14:11	15°♒		
retrograde	-1421 Jun 15 j 00:43	19°♒51'18		
opposition	-1421 Aug 23 j 09:32	16°♒23'02	-2°-18'-56	
min. Earth dist.	-1421 Aug 23 j 12:06	16°♒22'31	8.27335 AU	
	-1421 Sep 10 j 07:06	15°℞♒		
direct	-1421 Oct 29 j 09:25	12°♒59'41		
	-1421 Dec 15 j 19:18	15°♒		
evening set	-1420 Feb 07 j 05:11	20°♒45'45		
conjunction	-1420 Feb 24 j 12:55	22°♒58'33	-2°00'-48	
minimum elong	-1420 Feb 24 j 12:52	22°♒58'32	2°00'50	
max. Earth dist.	-1420 Feb 24 j 11:16	22°♒58'01	10.21056 AU	
morning rise	-1420 Mar 13 j 01:30	25°♒12'58		
	-1420 Apr 23 j 21:42	0°♓		
retrograde	-1420 Jun 28 j 13:31	3°♓29'13		
opposition	-1420 Sep 05 j 08:43	29°♒59'47	-2°-39'-59	
min. Earth dist.	-1420 Sep 05 j 08:25	29°♒59'50	8.15344 AU	
	-1420 Sep 05 j 07:37	30°℞♒		
direct	-1420 Nov 10 j 21:29	26°♒35'14		
	-1419 Jan 12 j 11:56	0°♓		
evening set	-1419 Feb 20 j 10:22	4°♓31'31		
conjunction	-1419 Mar 09 j 21:57	6°♓47'06	-2°-14'-6	
minimum elong	-1419 Mar 09 j 21:56	6°♓47'06	2°14'08	
max. Earth dist.	-1419 Mar 09 j 23:11	6°♓47'30	10.09904 AU	
morning rise	-1419 Mar 27 j 14:16	9°♓04'16		
retrograde	-1419 Jul 13 j 08:44	17°♓28'56		
opposition	-1419 Sep 19 j 14:13	13°♓58'39	-2°-52'-15	
min. Earth dist.	-1419 Sep 19 j 11:31	13°♓59'12	8.05320 AU	
direct	-1419 Nov 24 j 18:50	10°♓32'53		
evening set	-1418 Mar 07 j 02:37	18°♓38'27		
conjunction	-1418 Mar 24 j 18:19	20°♓56'36	-2°-19'-43	
minimum elong	-1418 Mar 24 j 18:19	20°♓56'37	2°19'44	
max. Earth dist.	-1418 Mar 24 j 22:28	20°♓57'58	10.01071 AU	
morning rise	-1418 Apr 11 j 14:23	23°♓16'10		
	-1418 Jun 13 j 05:52	0°♈		
retrograde	-1418 Jul 28 j 07:42	1°♈46'22		
	-1418 Sep 11 j 22:12	30°℞♓		
opposition	-1418 Oct 04 j 00:23	28°♓15'36	-2°-54'-14	
min. Earth dist.	-1418 Oct 03 j 19:44	28°♓16'34	7.97896 AU	
direct	-1418 Dec 09 j 00:14	24°♓48'40		
	-1417 Feb 25 j 15:04	0°♈		
evening set	-1417 Mar 22 j 04:14	3°♈01'52		
conjunction	-1417 Apr 09 j 00:07	5°♈22'09	-2°-16'-47	
minimum elong	-1417 Apr 09 j 00:09	5°♈22'10	2°16'48	
max. Earth dist.	-1417 Apr 09 j 06:56	5°♈24'24	9.95121 AU	
morning rise	-1417 Apr 26 j 23:38	7°♈43'34		
retrograde	-1417 Aug 12 j 07:54	16°♈15'45		
opposition	-1417 Oct 18 j 13:08	12°♈44'54	-2°-45'-13	
min. Earth dist.	-1417 Oct 18 j 06:54	12°♈46'12	7.93531 AU	
direct	-1417 Dec 23 j 12:51	9°♈16'53		
evening set	-1416 Apr 05 j 12:11	17°♈35'25		
conjunction	-1416 Apr 23 j 11:58	19°♈57'11	-2°-5'-10	
minimum elong	-1416 Apr 23 j 12:01	19°♈57'12	2°05'10	
max. Earth dist.	-1416 Apr 23 j 21:02	20°♈00'11	9.92403 AU	
morning rise	-1416 May 11 j 14:16	22°♈19'44		
	-1416 Jul 27 j 01:52	0°♉		
retrograde	-1416 Aug 26 j 06:20	0°♉50'12		
	-1416 Sep 25 j 12:44	30°℞♈		
opposition	-1416 Nov 01 j 02:34	27°♈19'40	-2°-25'-30	
min. Earth dist.	-1416 Oct 31 j 19:00	27°♈21'15	7.92439 AU	
direct	-1415 Jan 06 j 06:35	23°♈50'48		
	-1415 Apr 03 j 10:30	0°♉		
evening set	-1415 Apr 20 j 23:04	2°♉11'59		
conjunction	-1415 May 09 j 02:00	4°♉34'29	-1°-45'-29	
minimum elong	-1415 May 09 j 02:04	4°♉34'31	1°45'29	
max. Earth dist.	-1415 May 09 j 12:51	4°♉38'04	9.92998 AU	
morning rise	-1415 May 27 j 06:07	6°♉57'20		
	-1415 Aug 20 j 21:44	15°♉		
retrograde	-1415 Sep 10 j 00:29	15°♉22'47		
	-1415 Sep 30 j 04:19	15°℞♉		
opposition	-1415 Nov 15 j 14:29	11°♉53'00	-1°-56'-25	
min. Earth dist.	-1415 Nov 15 j 05:40	11°♉54'50	7.94605 AU	
direct	-1414 Jan 21 j 02:32	8°♉23'35		
	-1414 Apr 22 j 12:43	15°♉		
evening set	-1414 May 06 j 10:03	16°♉44'48		
conjunction	-1414 May 24 j 14:56	19°♉07'10	-1°-19'-10	
minimum elong	-1414 May 24 j 15:00	19°♉07'11	1°19'10	
max. Earth dist.	-1414 May 25 j 03:04	19°♉11'08	9.96825 AU	
morning rise	-1414 Jun 11 j 19:28	21°♉29'23		
retrograde	-1414 Sep 24 j 12:23	29°♉47'01		
opposition	-1414 Nov 29 j 22:58	26°♉18'21	-1°-20'-13	
min. Earth dist.	-1414 Nov 29 j 13:17	26°♉20'21	7.99931 AU	
direct	-1413 Feb 04 j 22:07	22°♉48'41		
	-1413 May 12 j 19:36	0°♊		
evening set	-1413 May 21 j 17:44	1°♊07'21		
conjunction	-1413 Jun 08 j 22:55	3°♊28'35	0°-48'-11	
minimum elong	-1413 Jun 08 j 22:57	3°♊28'36	0°48'12	
max. Earth dist.	-1413 Jun 09 j 11:45	3°♊32'46	10.03718 AU	
morning rise	-1413 Jun 27 j 02:14	5°♊49'14		
retrograde	-1413 Oct 08 j 16:28	13°♊56'58		

Attention, astronomical year style is used: The year -1413 in astronomical counting style is the year 1414 BCE in historical counting style.

opposition	-1413 Dec 14 j 02:43	10°♊29'40	0°-39'-42
min. Earth dist.	-1413 Dec 13 j 16:45	10°♊31'43	8.08173 AU
direct	-1412 Feb 19 j 14:24	7°♊00'05	
evening set	-1412 Jun 04 j 18:49	15°♊13'45	
conjunction	-1412 Jun 22 j 22:28	17°♊32'58	0°-14'-52
minimum elong	-1412 Jun 22 j 22:29	17°♊32'59	0°14'52
behind sun begin	-1412 Jun 22 j 19:57	17°♊32'10	
behind sun end	-1412 Jun 23 j 01:01	17°♊33'47	
max. Earth dist.	-1412 Jun 23 j 11:18	17°♊37'05	10.13297 AU
morning rise	-1412 Jul 10 j 23:01	19°♊51'12	
retrograde	-1412 Oct 21 j 12:14	27°♊47'48	
asc. node	-1412 Dec 07 j 01:09	25°♊56'00	
opposition	-1412 Dec 27 j 00:17	24°♊22'03	0°02'12
min. Earth dist.	-1412 Dec 26 j 14:54	24°♊23'57	8.18851 AU
direct	-1411 Mar 05 j 02:25	20°♊52'47	
evening set	-1411 Jun 19 j 11:06	28°♊59'37	
	-1411 Jun 27 j 11:37	0°♋	
conjunction	-1411 Jul 07 j 11:37	1°♋16'06	0°18'39
minimum elong	-1411 Jul 07 j 11:36	1°♋16'06	0°18'40
max. Earth dist.	-1411 Jul 07 j 23:18	1°♋19'48	10.24977 AU
morning rise	-1411 Jul 25 j 08:07	3°♋31'17	
retrograde	-1411 Nov 03 j 21:16	11°♋16'19	
opposition	-1410 Jan 09 j 14:40	7°♋52'10	0°42'48
min. Earth dist.	-1410 Jan 09 j 06:40	7°♋53'47	8.31317 AU
direct	-1410 Mar 19 j 08:43	4°♋23'31	
evening set	-1410 Jul 03 j 16:46	12°♋22'15	
conjunction	-1410 Jul 21 j 12:52	14°♋35'29	0°50'16
minimum elong	-1410 Jul 21 j 12:50	14°♋35'29	0°50'17
max. Earth dist.	-1410 Jul 21 j 22:13	14°♋38'25	10.38052 AU
morning rise	-1410 Aug 08 j 04:24	16°♋47'16	
retrograde	-1410 Nov 16 j 19:36	24°♋21'04	
opposition	-1409 Jan 22 j 21:48	20°♋58'31	1°19'51
min. Earth dist.	-1409 Jan 22 j 15:00	20°♋59'52	8.44835 AU
direct	-1409 Apr 02 j 08:17	17°♋30'44	
evening set	-1409 Jul 17 j 10:39	25°♋20'35	
conjunction	-1409 Aug 04 j 01:33	27°♋30'22	1°18'28
minimum elong	-1409 Aug 04 j 01:30	27°♋30'21	1°18'29
max. Earth dist.	-1409 Aug 04 j 08:43	27°♋32'35	10.51785 AU
morning rise	-1409 Aug 21 j 11:36	29°♋38'37	
	-1409 Aug 24 j 10:38	0°♌	
retrograde	-1409 Nov 29 j 09:58	7°♌02'04	
opposition	-1408 Feb 04 j 21:38	3°♌41'00	1°51'45
min. Earth dist.	-1408 Feb 04 j 15:51	3°♌42'07	8.58670 AU
direct	-1408 Apr 14 j 22:38	0°♌14'16	
evening set	-1408 Jul 29 j 16:39	7°♌55'00	
conjunction	-1408 Aug 16 j 02:10	10°♌01'23	1°42'07
minimum elong	-1408 Aug 16 j 02:06	10°♌01'22	1°42'08
max. Earth dist.	-1408 Aug 16 j 07:33	10°♌03'01	10.65473 AU
morning rise	-1408 Sep 02 j 06:37	12°♌06'13	
	-1408 Sep 27 j 21:08	15°♌	
retrograde	-1408 Dec 10 j 16:45	19°♌20'29	
opposition	-1407 Feb 16 j 14:30	16°♌00'44	2°17'24
min. Earth dist.	-1407 Feb 16 j 10:04	16°♌01'35	8.72140 AU
	-1407 Mar 01 j 22:14	15°℞♌	
direct	-1407 Apr 28 j 03:41	12°♌35'11	
	-1407 Jun 22 j 19:59	15°♌	
evening set	-1407 Aug 11 j 11:14	20°♌07'01	
conjunction	-1407 Aug 28 j 15:30	22°♌10'14	2°00'30
minimum elong	-1407 Aug 28 j 15:27	22°♌10'13	2°00'31
max. Earth dist.	-1407 Aug 28 j 19:16	22°♌11'22	10.78475 AU
morning rise	-1407 Sep 14 j 14:40	24°♌11'59	

	-1407 Nov 13 j 12:22	0°♍	
retrograde	-1407 Dec 22 j 16:44	1°♍18'27	
	-1406 Jan 31 j 19:43	30°℞♌	
opposition	-1406 Mar 01 j 01:25	27°♌59'52	2°36'15
min. Earth dist.	-1406 Feb 28 j 23:20	28°♌00'16	8.84639 AU
direct	-1406 May 11 j 00:46	24°♌35'34	
	-1406 Aug 06 j 05:29	0°♍	
evening set	-1406 Aug 23 j 19:20	1°♍59'02	
conjunction	-1406 Sep 09 j 18:38	3°♍59'27	2°13'16
minimum elong	-1406 Sep 09 j 18:36	3°♍59'27	2°13'17
max. Earth dist.	-1406 Sep 09 j 19:45	3°♍59'47	10.90237 AU
morning rise	-1406 Sep 26 j 13:16	5°♍58'32	
retrograde	-1405 Jan 03 j 11:33	12°♍58'43	
opposition	-1405 Mar 13 j 07:10	9°♍41'07	2°48'05
min. Earth dist.	-1405 Mar 13 j 07:34	9°♍41'02	8.95663 AU
direct	-1405 May 23 j 13:34	6°♍18'04	
evening set	-1405 Sep 04 j 18:10	13°♍34'00	
conjunction	-1405 Sep 21 j 13:12	15°♍32'06	2°20'17
minimum elong	-1405 Sep 21 j 13:11	15°♍32'06	2°20'17
max. Earth dist.	-1405 Sep 21 j 11:15	15°♍31'31	11.00326 AU
morning rise	-1405 Oct 08 j 04:18	17°♍29'03	
retrograde	-1404 Jan 15 j 00:23	24°♍24'33	
opposition	-1404 Mar 24 j 08:39	21°♍07'38	2°52'56
min. Earth dist.	-1404 Mar 24 j 10:53	21°♍07'13	9.04806 AU
direct	-1404 Jun 03 j 20:47	17°♍45'50	
evening set	-1404 Sep 15 j 09:01	24°♍55'12	
conjunction	-1404 Oct 02 j 00:50	26°♍51'31	2°21'38
minimum elong	-1404 Oct 02 j 00:50	26°♍51'31	2°21'38
max. Earth dist.	-1404 Oct 01 j 20:49	26°♍50'20	11.08376 AU
morning rise	-1404 Oct 18 j 13:18	28°♍46'53	
	-1404 Oct 29 j 08:57	0°♎	
retrograde	-1403 Jan 25 j 13:32	5°♎39'19	
opposition	-1403 Apr 05 j 06:57	2°♎22'51	2°51'02
min. Earth dist.	-1403 Apr 05 j 10:17	2°♎22'14	9.11727 AU
	-1403 May 11 j 06:10	30°℞♍	
direct	-1403 Jun 15 j 22:42	29°♍02'14	
	-1403 Jul 20 j 23:27	0°♎	
evening set	-1403 Sep 26 j 17:48	6°♎06'10	
conjunction	-1403 Oct 13 j 07:19	8°♎01'15	2°17'33
minimum elong	-1403 Oct 13 j 07:20	8°♎01'15	2°17'32
max. Earth dist.	-1403 Oct 13 j 02:12	7°♎59'45	11.14091 AU
morning rise	-1403 Oct 29 j 17:59	9°♎55'36	
retrograde	-1402 Feb 06 j 00:52	16°♎46'32	
opposition	-1402 Apr 17 j 03:23	13°♎30'17	2°42'46
min. Earth dist.	-1402 Apr 17 j 08:29	13°♎29'21	9.16191 AU
direct	-1402 Jun 27 j 17:12	10°♎10'42	
evening set	-1402 Oct 07 j 22:15	17°♎10'27	
conjunction	-1402 Oct 24 j 10:14	19°♎04'51	2°08'20
minimum elong	-1402 Oct 24 j 10:16	19°♎04'52	2°08'19
max. Earth dist.	-1402 Oct 24 j 03:06	19°♎02'47	11.17290 AU
morning rise	-1402 Nov 09 j 20:14	20°♎58'45	
retrograde	-1401 Feb 17 j 12:25	27°♎49'49	
opposition	-1401 Apr 28 j 23:13	24°♎33'30	2°28'31
min. Earth dist.	-1401 Apr 29 j 06:27	24°♎32'11	9.18069 AU
direct	-1401 Jul 09 j 10:34	21°♎14'44	
evening set	-1401 Oct 18 j 23:57	28°♎11'41	
	-1401 Nov 03 j 14:56	0°♏	
conjunction	-1401 Nov 04 j 11:13	0°♏05'55	1°54'22
minimum elong	-1401 Nov 04 j 11:16	0°♏05'55	1°54'22
max. Earth dist.	-1401 Nov 04 j 01:50	0°♏03'10	11.17879 AU
morning rise	-1401 Nov 20 j 21:35	1°♏59'54	

Attention, astronomical year style is used: The year -1400 in astronomical counting style is the year 1401 BCE in historical counting style.

retrograde	-1400 Feb 29 j 01:39	8°♏52'43	
opposition	-1400 May 09 j 19:19	5°♏36'02	2°08'51
min. Earth dist.	-1400 May 10 j 03:54	5°♏34'28	9.17298 AU
direct	-1400 Jul 20 j 01:36	2°♏17'53	
evening set	-1400 Oct 29 j 00:54	9°♏13'26	
conjunction	-1400 Nov 14 j 12:23	11°♏08'00	1°36'09
minimum elong	-1400 Nov 14 j 12:25	11°♏08'01	1°36'08
max. Earth dist.	-1400 Nov 14 j 02:20	11°♏05'04	11.15827 AU
morning rise	-1400 Nov 30 j 23:42	13°♏02'36	
	-1400 Dec 18 j 16:46	15°♏	