

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 1

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

opposition	-1900 Jan 24 j 21:59	19° $\mathfrak{E}$ 15'18	0°41'32	conjunction	-1893 Sep 04 j 18:21	25° $\mathcal{O}$ 15'37	0°45'35
min. Earth dist.	-1900 Jan 25 j 22:22	19° $\mathfrak{E}$ 12'38	17.25526 AU	minimum elong	-1893 Sep 04 j 18:21	25° $\mathcal{O}$ 15'38	0°45'37
direct	-1900 Apr 10 j 06:10	17° $\mathfrak{E}$ 08'37		max. Earth dist.	-1893 Sep 04 j 01:20	25° $\mathcal{O}$ 12'56	19.35415 AU
max. Earth dist.	-1900 Jul 30 j 21:55	21° $\mathfrak{E}$ 37'59	19.25234 AU	retrograde	-1893 Dec 20 j 18:48	29° $\mathcal{O}$ 36'57	
				opposition	-1892 Mar 03 j 18:32	27° $\mathcal{O}$ 35'13	0°50'45
conjunction	-1900 Aug 01 j 01:44	21° $\mathfrak{E}$ 42'23	0°38'19	min. Earth dist.	-1892 Mar 04 j 09:03	27° $\mathcal{O}$ 33'39	17.37214 AU
minimum elong	-1900 Aug 01 j 01:44	21° $\mathfrak{E}$ 42'23	0°38'22	direct	-1892 May 19 j 21:17	25° $\mathcal{O}$ 29'15	
retrograde	-1900 Nov 16 j 16:52	26° $\mathfrak{E}$ 06'35					
opposition	-1899 Jan 28 j 23:51	24° $\mathfrak{E}$ 04'23	0°43'51	conjunction	-1892 Sep 08 j 17:45	29° $\mathcal{O}$ 59'16	0°45'23
min. Earth dist.	-1899 Jan 29 j 22:56	24° $\mathfrak{E}$ 01'52	17.25163 AU	minimum elong	-1892 Sep 08 j 17:45	29° $\mathcal{O}$ 59'16	0°45'24
direct	-1899 Apr 15 j 12:20	21° $\mathfrak{E}$ 57'42		max. Earth dist.	-1892 Sep 08 j 02:28	29° $\mathcal{O}$ 56'51	19.39116 AU
max. Earth dist.	-1899 Aug 05 j 03:58	26° $\mathfrak{E}$ 27'29	19.25120 AU		-1892 Sep 08 j 22:25	0° $\mathfrak{N}$	
				retrograde	-1892 Dec 24 j 16:11	4° $\mathfrak{N}$ 19'58	
conjunction	-1899 Aug 06 j 05:55	26° $\mathfrak{E}$ 31'35	0°40'16	opposition	-1891 Mar 08 j 21:02	2° $\mathfrak{N}$ 18'19	0°50'21
minimum elong	-1899 Aug 06 j 05:55	26° $\mathfrak{E}$ 31'35	0°40'17	min. Earth dist.	-1891 Mar 09 j 10:03	2° $\mathfrak{N}$ 16'56	17.41222 AU
	-1899 Oct 07 j 21:19	0° $\mathcal{O}$		direct	-1891 May 24 j 23:54	0° $\mathfrak{N}$ 12'38	
retrograde	-1899 Nov 21 j 17:12	0° $\mathcal{O}$ 55'36					
	-1898 Jan 07 j 03:44	30° $\mathfrak{R}$ $\mathfrak{E}$		conjunction	-1891 Sep 13 j 16:25	4° $\mathfrak{N}$ 41'36	0°44'53
opposition	-1898 Feb 03 j 02:20	28° $\mathfrak{E}$ 53'31	0°45'52	minimum elong	-1891 Sep 13 j 16:25	4° $\mathfrak{N}$ 41'36	0°44'54
min. Earth dist.	-1898 Feb 04 j 01:27	28° $\mathfrak{E}$ 51'00	17.25302 AU	max. Earth dist.	-1891 Sep 13 j 03:46	4° $\mathfrak{N}$ 39'36	19.43427 AU
direct	-1898 Apr 20 j 16:30	26° $\mathfrak{E}$ 46'52		retrograde	-1891 Dec 29 j 15:26	9° $\mathfrak{N}$ 01'36	
	-1898 Jul 20 j 21:07	0° $\mathcal{O}$		opposition	-1890 Mar 13 j 23:09	7° $\mathfrak{N}$ 00'07	0°49'37
max. Earth dist.	-1898 Aug 10 j 07:18	1° $\mathcal{O}$ 16'31	19.25517 AU	min. Earth dist.	-1890 Mar 14 j 09:15	6° $\mathfrak{N}$ 59'03	17.45804 AU
				direct	-1890 May 30 j 04:51	4° $\mathfrak{N}$ 54'47	
conjunction	-1898 Aug 11 j 09:22	1° $\mathcal{O}$ 20'39	0°41'55				
minimum elong	-1898 Aug 11 j 09:22	1° $\mathcal{O}$ 20'39	0°41'57	conjunction	-1890 Sep 18 j 14:07	9° $\mathfrak{N}$ 22'35	0°44'05
retrograde	-1898 Nov 26 j 18:33	5° $\mathcal{O}$ 44'26		minimum elong	-1890 Sep 18 j 14:07	9° $\mathfrak{N}$ 22'35	0°44'07
opposition	-1897 Feb 08 j 04:53	3° $\mathcal{O}$ 42'24	0°47'33	max. Earth dist.	-1890 Sep 18 j 03:45	9° $\mathfrak{N}$ 20'57	19.48285 AU
min. Earth dist.	-1897 Feb 09 j 02:38	3° $\mathcal{O}$ 40'02	17.25952 AU	retrograde	-1889 Jan 03 j 11:44	13° $\mathfrak{N}$ 41'54	
direct	-1897 Apr 25 j 21:46	1° $\mathcal{O}$ 35'47		opposition	-1889 Mar 19 j 01:04	11° $\mathfrak{N}$ 40'35	0°48'34
				min. Earth dist.	-1889 Mar 19 j 09:56	11° $\mathfrak{N}$ 39'39	17.50915 AU
conjunction	-1897 Aug 16 j 12:39	6° $\mathcal{O}$ 09'20	0°43'17	direct	-1889 Jun 04 j 06:13	9° $\mathfrak{N}$ 35'38	
minimum elong	-1897 Aug 16 j 12:39	6° $\mathcal{O}$ 09'20	0°43'18				
max. Earth dist.	-1897 Aug 15 j 12:49	6° $\mathcal{O}$ 05'33	19.26418 AU	conjunction	-1889 Sep 23 j 11:03	14° $\mathfrak{N}$ 02'12	0°43'01
retrograde	-1897 Dec 01 j 19:13	10° $\mathcal{O}$ 32'45		minimum elong	-1889 Sep 23 j 11:03	14° $\mathfrak{N}$ 02'12	0°43'00
opposition	-1896 Feb 13 j 07:33	8° $\mathcal{O}$ 30'48	0°48'54	max. Earth dist.	-1889 Sep 23 j 02:50	14° $\mathfrak{N}$ 00'54	19.53638 AU
min. Earth dist.	-1896 Feb 14 j 04:43	8° $\mathcal{O}$ 28'30	17.27099 AU	retrograde	-1888 Jan 08 j 10:01	18° $\mathfrak{N}$ 20'46	
direct	-1896 Apr 30 j 02:30	6° $\mathcal{O}$ 24'15		opposition	-1888 Mar 23 j 02:27	16° $\mathfrak{N}$ 19'39	0°47'12
				min. Earth dist.	-1888 Mar 23 j 08:18	16° $\mathfrak{N}$ 19'02	17.56466 AU
conjunction	-1896 Aug 20 j 15:11	10° $\mathcal{O}$ 57'23	0°44'20	direct	-1888 Jun 08 j 10:01	14° $\mathfrak{N}$ 15'08	
minimum elong	-1896 Aug 20 j 15:11	10° $\mathcal{O}$ 57'23	0°44'21				
max. Earth dist.	-1896 Aug 19 j 15:38	10° $\mathcal{O}$ 53'39	19.27833 AU	conjunction	-1888 Sep 27 j 07:12	18° $\mathfrak{N}$ 40'22	0°41'39
	-1896 Nov 08 j 22:25	15° $\mathcal{O}$		minimum elong	-1888 Sep 27 j 07:12	18° $\mathfrak{N}$ 40'22	0°41'40
retrograde	-1896 Dec 05 j 19:35	15° $\mathcal{O}$ 20'24		max. Earth dist.	-1888 Sep 27 j 01:34	18° $\mathfrak{N}$ 39'29	19.59388 AU
	-1895 Jan 02 j 04:53	15° $\mathfrak{R}$ $\mathcal{O}$		retrograde	-1887 Jan 12 j 05:21	22° $\mathfrak{N}$ 58'10	
opposition	-1895 Feb 17 j 10:24	13° $\mathcal{O}$ 18'28	0°49'53	opposition	-1887 Mar 28 j 03:47	20° $\mathfrak{N}$ 57'15	0°45'31
min. Earth dist.	-1895 Feb 18 j 06:11	13° $\mathcal{O}$ 16'20	17.28784 AU	min. Earth dist.	-1887 Mar 28 j 08:34	20° $\mathfrak{N}$ 56'45	17.62396 AU
direct	-1895 May 05 j 06:50	11° $\mathcal{O}$ 12'00		direct	-1887 Jun 13 j 10:19	18° $\mathfrak{N}$ 53'10	
	-1895 Aug 13 j 22:45	15° $\mathcal{O}$					
conjunction	-1895 Aug 25 j 17:00	15° $\mathcal{O}$ 44'34	0°45'04	conjunction	-1887 Oct 02 j 02:17	23° $\mathfrak{N}$ 16'58	0°40'02
minimum elong	-1895 Aug 25 j 17:00	15° $\mathcal{O}$ 44'34	0°45'06	minimum elong	-1887 Oct 02 j 02:17	23° $\mathfrak{N}$ 16'58	0°40'02
max. Earth dist.	-1895 Aug 24 j 20:10	15° $\mathcal{O}$ 41'16	19.29790 AU	max. Earth dist.	-1887 Oct 01 j 22:22	23° $\mathfrak{N}$ 16'22	19.65481 AU
retrograde	-1895 Dec 10 j 20:05	20° $\mathcal{O}$ 07'05		retrograde	-1886 Jan 17 j 02:44	27° $\mathfrak{N}$ 33'59	
opposition	-1894 Feb 22 j 13:17	18° $\mathcal{O}$ 05'12	0°50'32	opposition	-1886 Apr 02 j 04:28	25° $\mathfrak{N}$ 33'15	0°43'34
min. Earth dist.	-1894 Feb 23 j 07:33	18° $\mathcal{O}$ 03'14	17.31006 AU	min. Earth dist.	-1886 Apr 02 j 06:12	25° $\mathfrak{N}$ 33'04	17.68617 AU
direct	-1894 May 10 j 12:20	15° $\mathcal{O}$ 58'52		direct	-1886 Jun 18 j 12:03	23° $\mathfrak{N}$ 29'35	
conjunction	-1894 Aug 30 j 18:01	20° $\mathcal{O}$ 30'42	0°45'29	conjunction	-1886 Oct 06 j 20:44	27° $\mathfrak{N}$ 51'55	0°38'10
minimum elong	-1894 Aug 30 j 18:01	20° $\mathcal{O}$ 30'42	0°45'30	minimum elong	-1886 Oct 06 j 20:44	27° $\mathfrak{N}$ 51'55	0°38'10
max. Earth dist.	-1894 Aug 29 j 22:13	20° $\mathcal{O}$ 27'34	19.32304 AU	max. Earth dist.	-1886 Oct 06 j 19:32	27° $\mathfrak{N}$ 51'44	19.71818 AU
retrograde	-1894 Dec 15 j 18:46	24° $\mathcal{O}$ 52'39			-1886 Nov 11 j 14:40	0° $\mathfrak{E}$	
opposition	-1893 Feb 27 j 15:56	22° $\mathcal{O}$ 50'49	0°50'49	retrograde	-1885 Jan 21 j 21:07	2° $\mathfrak{E}$ 08'05	
min. Earth dist.	-1893 Feb 28 j 08:46	22° $\mathcal{O}$ 49'01	17.33819 AU	opposition	-1885 Apr 07 j 04:38	0° $\mathfrak{E}$ 07'31	0°41'20
direct	-1893 May 15 j 15:46	20° $\mathcal{O}$ 44'38		min. Earth dist.	-1885 Apr 07 j 05:32	0° $\mathfrak{E}$ 07'26	17.75058 AU
					-1885 Apr 10 j 04:47	30° $\mathfrak{R}$ $\mathfrak{N}$	

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 2

Attention, astronomical year style is used: The year -1885 in astronomical counting style is the year 1886 BCE in historical counting style.

direct	-1885 Jun 23 j 10:51	28° $\mathring{M}$ 04'18		min. Earth dist.	-1877 May 13 j 13:50	5° $\mathring{M}$ 29'55	18.29980 AU
	-1885 Aug 31 j 08:32	0° $\mathring{U}$		direct	-1877 Jul 30 j 06:44	3° $\mathring{M}$ 28'14	
conjunction	-1885 Oct 11 j 14:13	2° $\mathring{U}$ 25'05	0°36'05	conjunction	-1877 Nov 15 j 00:31	7° $\mathring{M}$ 35'52	0°13'26
minimum elong	-1885 Oct 11 j 14:13	2° $\mathring{U}$ 25'05	0°36'05	minimum elong	-1877 Nov 15 j 00:31	7° $\mathring{M}$ 35'52	0°13'24
max. Earth dist.	-1885 Oct 11 j 14:10	2° $\mathring{U}$ 25'05	19.78349 AU	behind sun begin	-1877 Nov 14 j 20:40	7° $\mathring{M}$ 35'18	
retrograde	-1884 Jan 26 j 17:36	6° $\mathring{U}$ 40'22		behind sun end	-1877 Nov 15 j 04:22	7° $\mathring{M}$ 36'26	
opposition	-1884 Apr 11 j 04:14	4° $\mathring{U}$ 39'57	0°38'52	max. Earth dist.	-1877 Nov 15 j 16:24	7° $\mathring{M}$ 38'15	20.33551 AU
min. Earth dist.	-1884 Apr 11 j 02:12	4° $\mathring{U}$ 40'10	17.81652 AU	retrograde	-1876 Mar 01 j 23:28	11° $\mathring{M}$ 44'01	
direct	-1884 Jun 27 j 10:39	2° $\mathring{U}$ 37'08		opposition	-1876 May 17 j 22:37	9° $\mathring{M}$ 44'17	0°13'03
				min. Earth dist.	-1876 May 17 j 05:22	9° $\mathring{M}$ 46'02	18.37098 AU
conjunction	-1884 Oct 15 j 06:47	6° $\mathring{U}$ 56'20	0°33'46	direct	-1876 Aug 02 j 22:30	7° $\mathring{M}$ 44'34	
minimum elong	-1884 Oct 15 j 06:47	6° $\mathring{U}$ 56'20	0°33'45				
max. Earth dist.	-1884 Oct 15 j 09:35	6° $\mathring{U}$ 56'46	19.84997 AU	conjunction	-1876 Nov 18 j 10:06	11° $\mathring{M}$ 50'41	0°10'11
retrograde	-1883 Jan 30 j 10:43	11° $\mathring{U}$ 10'44		minimum elong	-1876 Nov 18 j 10:06	11° $\mathring{M}$ 50'41	0°10'10
opposition	-1883 Apr 16 j 03:25	9° $\mathring{U}$ 10'26	0°36'11	behind sun begin	-1876 Nov 18 j 04:49	11° $\mathring{M}$ 49'55	
min. Earth dist.	-1883 Apr 16 j 00:23	9° $\mathring{U}$ 10'45	17.88346 AU	behind sun end	-1876 Nov 18 j 15:22	11° $\mathring{M}$ 51'27	
direct	-1883 Jul 02 j 08:29	7° $\mathring{U}$ 08'02		max. Earth dist.	-1876 Nov 19 j 04:55	11° $\mathring{M}$ 53'30	20.40643 AU
					-1875 Jan 17 j 05:06	15° $\mathring{M}$	
conjunction	-1883 Oct 19 j 22:23	11° $\mathring{U}$ 25'34	0°31'16	retrograde	-1875 Mar 06 j 12:01	15° $\mathring{M}$ 58'04	
minimum elong	-1883 Oct 19 j 22:23	11° $\mathring{U}$ 25'34	0°31'16		-1875 Apr 26 j 00:20	15° $\mathring{R}$ $\mathring{M}$	
max. Earth dist.	-1883 Oct 20 j 02:09	11° $\mathring{U}$ 26'09	19.91738 AU	opposition	-1875 May 22 j 15:29	13° $\mathring{M}$ 58'29	0°09'24
retrograde	-1882 Feb 04 j 06:04	15° $\mathring{U}$ 39'03		min. Earth dist.	-1875 May 21 j 20:40	14° $\mathring{M}$ 00'23	18.44145 AU
opposition	-1882 Apr 21 j 01:34	13° $\mathring{U}$ 38'50	0°33'17	direct	-1875 Aug 07 j 14:02	11° $\mathring{M}$ 59'11	
min. Earth dist.	-1882 Apr 20 j 19:46	13° $\mathring{U}$ 39'26	17.95121 AU		-1875 Nov 04 j 19:25	15° $\mathring{M}$	
direct	-1882 Jul 07 j 06:39	11° $\mathring{U}$ 36'47					
				conjunction	-1875 Nov 22 j 18:59	16° $\mathring{M}$ 03'50	0°06'54
conjunction	-1882 Oct 24 j 13:06	15° $\mathring{U}$ 52'40	0°28'36	minimum elong	-1875 Nov 22 j 18:59	16° $\mathring{M}$ 03'50	0°06'52
minimum elong	-1882 Oct 24 j 13:06	15° $\mathring{U}$ 52'40	0°28'35	behind sun begin	-1875 Nov 22 j 12:54	16° $\mathring{M}$ 02'57	
max. Earth dist.	-1882 Oct 24 j 19:49	15° $\mathring{U}$ 53'41	19.98539 AU	behind sun end	-1875 Nov 23 j 01:05	16° $\mathring{M}$ 04'43	
retrograde	-1881 Feb 08 j 21:33	20° $\mathring{U}$ 05'13		max. Earth dist.	-1875 Nov 23 j 14:22	16° $\mathring{M}$ 06'44	20.47636 AU
opposition	-1881 Apr 25 j 23:07	18° $\mathring{U}$ 05'04	0°30'13	retrograde	-1874 Mar 11 j 00:33	20° $\mathring{M}$ 10'30	
min. Earth dist.	-1881 Apr 25 j 16:12	18° $\mathring{U}$ 05'47	18.01945 AU	min. Earth dist.	-1874 May 26 j 11:16	18° $\mathring{M}$ 13'05	18.51076 AU
direct	-1881 Jul 12 j 03:19	16° $\mathring{U}$ 03'24		opposition	-1874 May 27 j 07:27	18° $\mathring{M}$ 11'03	0°05'43
				direct	-1874 Aug 12 j 03:28	16° $\mathring{M}$ 12'10	
conjunction	-1881 Oct 29 j 02:39	20° $\mathring{U}$ 17'34	0°25'46				
minimum elong	-1881 Oct 29 j 02:39	20° $\mathring{U}$ 17'34	0°25'45	conjunction	-1874 Nov 27 j 03:30	20° $\mathring{M}$ 15'26	0°03'35
max. Earth dist.	-1881 Oct 29 j 10:22	20° $\mathring{U}$ 18'44	20.05400 AU	minimum elong	-1874 Nov 27 j 03:29	20° $\mathring{M}$ 15'26	0°03'33
retrograde	-1880 Feb 13 j 14:57	24° $\mathring{U}$ 29'11		behind sun begin	-1874 Nov 26 j 21:00	20° $\mathring{M}$ 14'30	
opposition	-1880 Apr 29 j 19:45	22° $\mathring{U}$ 29'05	0°26'59	behind sun end	-1874 Nov 27 j 09:57	20° $\mathring{M}$ 16'22	
min. Earth dist.	-1880 Apr 29 j 10:10	22° $\mathring{U}$ 30'04	18.08843 AU	max. Earth dist.	-1874 Nov 28 j 01:17	20° $\mathring{M}$ 18'41	20.54464 AU
direct	-1880 Jul 16 j 00:06	20° $\mathring{U}$ 27'45		retrograde	-1873 Mar 15 j 12:38	24° $\mathring{M}$ 21'23	
				opposition	-1873 May 31 j 22:47	22° $\mathring{M}$ 22'05	0°02'02
conjunction	-1880 Nov 01 j 15:27	24° $\mathring{U}$ 40'15	0°22'50	min. Earth dist.	-1873 May 31 j 01:16	22° $\mathring{M}$ 24'15	18.57787 AU
minimum elong	-1880 Nov 01 j 15:27	24° $\mathring{U}$ 40'15	0°22'48	direct	-1873 Aug 16 j 17:33	20° $\mathring{M}$ 23'38	
max. Earth dist.	-1880 Nov 02 j 02:22	24° $\mathring{U}$ 41'55	20.12332 AU				
retrograde	-1879 Feb 17 j 04:56	28° $\mathring{U}$ 50'57		conjunction	-1873 Dec 01 j 11:10	24° $\mathring{M}$ 25'32	0°00'12
opposition	-1879 May 04 j 15:45	26° $\mathring{U}$ 50'55	0°23'38	minimum elong	-1873 Dec 01 j 11:10	24° $\mathring{M}$ 25'32	0°00'10
min. Earth dist.	-1879 May 04 j 04:38	26° $\mathring{U}$ 52'03	18.15816 AU	behind sun begin	-1873 Dec 01 j 04:43	24° $\mathring{M}$ 24'37	
direct	-1879 Jul 20 j 19:12	24° $\mathring{U}$ 49'58		behind sun end	-1873 Dec 01 j 17:37	24° $\mathring{M}$ 26'28	
				max. Earth dist.	-1873 Dec 02 j 09:10	24° $\mathring{M}$ 28'48	20.61041 AU
conjunction	-1879 Nov 06 j 03:09	29° $\mathring{U}$ 00'47	0°19'47	desc. node	-1873 Dec 22 j 07:38	25° $\mathring{M}$ 38'42	
minimum elong	-1879 Nov 06 j 03:09	29° $\mathring{U}$ 00'47	0°19'45	retrograde	-1872 Mar 18 j 23:50	28° $\mathring{M}$ 30'52	
max. Earth dist.	-1879 Nov 06 j 15:07	29° $\mathring{U}$ 02'35	20.19351 AU	opposition	-1872 Jun 04 j 13:32	26° $\mathring{M}$ 31'41	0°-1'-38
	-1879 Nov 22 j 12:19	0° $\mathring{M}$		min. Earth dist.	-1872 Jun 03 j 15:11	26° $\mathring{M}$ 33'55	18.64230 AU
retrograde	-1878 Feb 21 j 20:35	3° $\mathring{M}$ 10'36		direct	-1872 Aug 20 j 05:20	24° $\mathring{M}$ 33'35	
opposition	-1878 May 09 j 10:50	1° $\mathring{M}$ 10'38	0°20'11				
min. Earth dist.	-1878 May 08 j 21:14	1° $\mathring{M}$ 12'01	18.22879 AU	conjunction	-1872 Dec 04 j 18:40	28° $\mathring{M}$ 34'13	0°-3'-11
	-1878 Jun 09 j 06:34	30° $\mathring{R}$ $\mathring{U}$		minimum elong	-1872 Dec 04 j 18:40	28° $\mathring{M}$ 34'13	0°03'14
direct	-1878 Jul 25 j 13:33	29° $\mathring{U}$ 10'04		behind sun begin	-1872 Dec 04 j 12:10	28° $\mathring{M}$ 33'17	
	-1878 Sep 08 j 00:42	0° $\mathring{M}$		behind sun end	-1872 Dec 05 j 01:10	28° $\mathring{M}$ 35'09	
				max. Earth dist.	-1872 Dec 05 j 18:40	28° $\mathring{M}$ 37'46	20.67312 AU
conjunction	-1878 Nov 10 j 14:18	3° $\mathring{M}$ 19'17	0°16'38		-1872 Dec 29 j 11:19	0° $\mathring{Z}$	
minimum elong	-1878 Nov 10 j 14:18	3° $\mathring{M}$ 19'17	0°16'37	retrograde	-1871 Mar 23 j 11:00	2° $\mathring{Z}$ 38'55	
max. Earth dist.	-1878 Nov 11 j 05:21	3° $\mathring{M}$ 21'33	20.26436 AU	min. Earth dist.	-1871 Jun 08 j 03:57	0° $\mathring{Z}$ 42'12	18.70318 AU
retrograde	-1877 Feb 26 j 09:22	7° $\mathring{M}$ 28'14		opposition	-1871 Jun 09 j 03:27	0° $\mathring{Z}$ 39'50	0°-5'-17
opposition	-1877 May 14 j 05:00	5° $\mathring{M}$ 28'23	0°16'39		-1871 Jun 26 j 01:20	30° $\mathring{R}$ $\mathring{M}$	

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 3

Attention, astronomical year style is used: The year -1871 in astronomical counting style is the year 1872 BCE in historical counting style.

direct	-1871 Aug 24 j 17:51	28° $\overline{\text{M}}$ 42'05		direct	-1864 Sep 22 j 06:35	27° $\overline{\text{X}}$ 03'14	
	-1871 Oct 19 j 23:53	0° $\overline{\text{X}}$			-1864 Dec 20 j 05:47	0° $\overline{\text{Z}}$	
conjunction	-1871 Dec 09 j 01:32	2° $\overline{\text{X}}$ 41'30	0°-6'-27	conjunction	-1863 Jan 05 j 15:06	0° $\overline{\text{Z}}$ 56'09	0°-27'-4
minimum elong	-1871 Dec 09 j 01:32	2° $\overline{\text{X}}$ 41'30	0°06'29	minimum elong	-1863 Jan 05 j 15:06	0° $\overline{\text{Z}}$ 56'09	0°27'07
behind sun begin	-1871 Dec 08 j 19:22	2° $\overline{\text{X}}$ 40'37		max. Earth dist.	-1863 Jan 06 j 19:40	1° $\overline{\text{Z}}$ 00'15	21.02993 AU
behind sun end	-1871 Dec 09 j 07:41	2° $\overline{\text{X}}$ 42'23		retrograde	-1863 Apr 25 j 11:08	4° $\overline{\text{Z}}$ 57'18	
max. Earth dist.	-1871 Dec 10 j 01:17	2° $\overline{\text{X}}$ 45'00	20.73201 AU	opposition	-1863 Jul 12 j 18:06	2° $\overline{\text{Z}}$ 58'15	0°-31'-19
retrograde	-1870 Mar 27 j 21:15	6° $\overline{\text{X}}$ 45'37		min. Earth dist.	-1863 Jul 11 j 14:50	3° $\overline{\text{Z}}$ 00'59	19.04478 AU
opposition	-1870 Jun 13 j 16:45	4° $\overline{\text{X}}$ 46'36	0°-8'-53	direct	-1863 Sep 26 j 14:18	1° $\overline{\text{Z}}$ 02'00	
min. Earth dist.	-1870 Jun 12 j 17:00	4° $\overline{\text{X}}$ 48'59	18.76010 AU				
direct	-1870 Aug 29 j 04:13	2° $\overline{\text{X}}$ 49'08		conjunction	-1862 Jan 09 j 19:31	4° $\overline{\text{Z}}$ 54'22	0°-29'-33
				minimum elong	-1862 Jan 09 j 19:31	4° $\overline{\text{Z}}$ 54'22	0°29'37
conjunction	-1870 Dec 13 j 08:08	6° $\overline{\text{X}}$ 47'24	0°-9'-39	max. Earth dist.	-1862 Jan 10 j 23:21	4° $\overline{\text{Z}}$ 58'21	21.05786 AU
minimum elong	-1870 Dec 13 j 08:07	6° $\overline{\text{X}}$ 47'24	0°09'43	retrograde	-1862 Apr 29 j 18:51	8° $\overline{\text{Z}}$ 55'21	
behind sun begin	-1870 Dec 13 j 02:43	6° $\overline{\text{X}}$ 46'38		min. Earth dist.	-1862 Jul 16 j 00:00	6° $\overline{\text{Z}}$ 58'57	19.07087 AU
behind sun end	-1870 Dec 13 j 13:32	6° $\overline{\text{X}}$ 48'10		opposition	-1862 Jul 17 j 02:26	6° $\overline{\text{Z}}$ 56'19	0°-33'-59
max. Earth dist.	-1870 Dec 14 j 09:26	6° $\overline{\text{X}}$ 51'06	20.78666 AU	direct	-1862 Sep 30 j 18:34	5° $\overline{\text{Z}}$ 00'11	
retrograde	-1869 Apr 01 j 07:07	10° $\overline{\text{X}}$ 50'56					
min. Earth dist.	-1869 Jun 17 j 04:22	8° $\overline{\text{X}}$ 54'27	18.81247 AU	conjunction	-1861 Jan 14 j 00:02	8° $\overline{\text{Z}}$ 52'06	0°-31'-54
opposition	-1869 Jun 18 j 05:09	8° $\overline{\text{X}}$ 51'58	0°-12'-25	minimum elong	-1861 Jan 14 j 00:02	8° $\overline{\text{Z}}$ 52'06	0°31'57
direct	-1869 Sep 02 j 15:04	6° $\overline{\text{X}}$ 54'45		max. Earth dist.	-1861 Jan 15 j 04:49	8° $\overline{\text{Z}}$ 56'13	21.08190 AU
				retrograde	-1861 May 04 j 03:18	12° $\overline{\text{Z}}$ 52'57	
conjunction	-1869 Dec 17 j 14:06	10° $\overline{\text{X}}$ 51'54	0°-12'-48	min. Earth dist.	-1861 Jul 20 j 07:07	10° $\overline{\text{Z}}$ 56'39	19.09275 AU
minimum elong	-1869 Dec 17 j 14:06	10° $\overline{\text{X}}$ 51'54	0°12'51	opposition	-1861 Jul 21 j 10:14	10° $\overline{\text{Z}}$ 53'57	0°-36'-29
behind sun begin	-1869 Dec 17 j 09:57	10° $\overline{\text{X}}$ 51'19		direct	-1861 Oct 05 j 01:36	8° $\overline{\text{Z}}$ 57'57	
behind sun end	-1869 Dec 17 j 18:14	10° $\overline{\text{X}}$ 52'30					
max. Earth dist.	-1869 Dec 18 j 15:01	10° $\overline{\text{X}}$ 55'33	20.83686 AU	conjunction	-1860 Jan 18 j 04:32	12° $\overline{\text{Z}}$ 49'30	0°-34'-5
retrograde	-1868 Apr 04 j 16:24	14° $\overline{\text{X}}$ 54'55		minimum elong	-1860 Jan 18 j 04:32	12° $\overline{\text{Z}}$ 49'30	0°34'09
opposition	-1868 Jun 21 j 17:06	12° $\overline{\text{X}}$ 55'57	0°-15'-52	max. Earth dist.	-1860 Jan 19 j 08:15	12° $\overline{\text{Z}}$ 53'28	21.10160 AU
min. Earth dist.	-1868 Jun 20 j 16:20	12° $\overline{\text{X}}$ 58'25	18.86063 AU	retrograde	-1860 May 07 j 11:22	16° $\overline{\text{Z}}$ 50'19	
direct	-1868 Sep 06 j 00:02	10° $\overline{\text{X}}$ 58'55		opposition	-1860 Jul 24 j 17:54	14° $\overline{\text{Z}}$ 51'19	0°-38'-48
				min. Earth dist.	-1860 Jul 23 j 16:03	14° $\overline{\text{Z}}$ 53'54	19.11023 AU
conjunction	-1868 Dec 20 j 19:42	14° $\overline{\text{X}}$ 55'03	0°-15'-52	direct	-1860 Oct 08 j 05:30	12° $\overline{\text{Z}}$ 55'25	
minimum elong	-1868 Dec 20 j 19:42	14° $\overline{\text{X}}$ 55'03	0°15'56				
behind sun begin	-1868 Dec 20 j 18:25	14° $\overline{\text{X}}$ 54'52		conjunction	-1859 Jan 21 j 09:20	16° $\overline{\text{Z}}$ 46'42	0°-36'-6
behind sun end	-1868 Dec 20 j 21:00	14° $\overline{\text{X}}$ 55'14		minimum elong	-1859 Jan 21 j 09:19	16° $\overline{\text{Z}}$ 46'42	0°36'10
max. Earth dist.	-1868 Dec 21 j 22:14	14° $\overline{\text{X}}$ 58'55	20.88289 AU	max. Earth dist.	-1859 Jan 22 j 13:33	16° $\overline{\text{Z}}$ 50'44	21.11663 AU
retrograde	-1867 Apr 09 j 01:30	18° $\overline{\text{X}}$ 57'34		retrograde	-1859 May 11 j 19:39	20° $\overline{\text{Z}}$ 47'32	
min. Earth dist.	-1867 Jun 25 j 02:18	17° $\overline{\text{X}}$ 01'10	18.90460 AU	min. Earth dist.	-1859 Jul 27 j 23:00	18° $\overline{\text{Z}}$ 51'08	19.12261 AU
opposition	-1867 Jun 26 j 04:10	16° $\overline{\text{X}}$ 58'35	0°-19'-12	opposition	-1859 Jul 29 j 01:07	18° $\overline{\text{Z}}$ 48'32	0°-40'-57
direct	-1867 Sep 10 j 09:40	15° $\overline{\text{X}}$ 01'44		direct	-1859 Oct 12 j 11:45	16° $\overline{\text{Z}}$ 52'42	
conjunction	-1867 Dec 25 j 00:54	18° $\overline{\text{X}}$ 56'54	0°-18'-51	conjunction	-1858 Jan 25 j 14:17	20° $\overline{\text{Z}}$ 43'49	0°-37'-58
minimum elong	-1867 Dec 25 j 00:54	18° $\overline{\text{X}}$ 56'54	0°18'54	minimum elong	-1858 Jan 25 j 14:16	20° $\overline{\text{Z}}$ 43'49	0°38'01
max. Earth dist.	-1867 Dec 26 j 03:03	19° $\overline{\text{X}}$ 00'42	20.92490 AU	max. Earth dist.	-1858 Jan 26 j 16:52	20° $\overline{\text{Z}}$ 47'36	21.12627 AU
retrograde	-1866 Apr 13 j 09:47	22° $\overline{\text{X}}$ 59'00		retrograde	-1858 May 16 j 03:33	24° $\overline{\text{Z}}$ 44'42	
opposition	-1866 Jun 30 j 14:30	20° $\overline{\text{X}}$ 59'58	0°-22'-26	min. Earth dist.	-1858 Aug 01 j 07:45	22° $\overline{\text{Z}}$ 48'06	19.12949 AU
min. Earth dist.	-1866 Jun 29 j 12:54	21° $\overline{\text{X}}$ 02'31	18.94490 AU	opposition	-1858 Aug 02 j 08:06	22° $\overline{\text{Z}}$ 45'40	0°-42'-53
direct	-1866 Sep 14 j 16:40	19° $\overline{\text{X}}$ 03'16		direct	-1858 Oct 16 j 15:34	20° $\overline{\text{Z}}$ 49'52	
conjunction	-1866 Dec 29 j 05:56	22° $\overline{\text{X}}$ 57'36	0°-21'-42	conjunction	-1857 Jan 29 j 19:34	24° $\overline{\text{Z}}$ 40'55	0°-39'-38
minimum elong	-1866 Dec 29 j 05:56	22° $\overline{\text{X}}$ 57'36	0°21'46	minimum elong	-1857 Jan 29 j 19:34	24° $\overline{\text{Z}}$ 40'55	0°39'41
max. Earth dist.	-1866 Dec 30 j 09:34	23° $\overline{\text{X}}$ 01'36	20.96335 AU	max. Earth dist.	-1857 Jan 30 j 22:09	24° $\overline{\text{Z}}$ 44'42	21.13023 AU
retrograde	-1865 Apr 17 j 18:35	26° $\overline{\text{X}}$ 59'18		retrograde	-1857 May 20 j 11:57	28° $\overline{\text{Z}}$ 41'52	
min. Earth dist.	-1865 Jul 03 j 21:27	25° $\overline{\text{X}}$ 02'56	18.98160 AU	opposition	-1857 Aug 06 j 14:52	26° $\overline{\text{Z}}$ 42'48	0°-44'-38
opposition	-1865 Jul 05 j 00:12	25° $\overline{\text{X}}$ 00'16	0°-25'-32	min. Earth dist.	-1857 Aug 05 j 14:30	26° $\overline{\text{Z}}$ 45'15	19.13040 AU
direct	-1865 Sep 19 j 01:18	23° $\overline{\text{X}}$ 03'43		direct	-1857 Oct 20 j 21:11	24° $\overline{\text{Z}}$ 46'58	
conjunction	-1864 Jan 02 j 10:25	26° $\overline{\text{X}}$ 57'16	0°-24'-27	conjunction	-1856 Feb 03 j 00:50	28° $\overline{\text{Z}}$ 38'00	0°-41'-7
minimum elong	-1864 Jan 02 j 10:25	26° $\overline{\text{X}}$ 57'16	0°24'31	minimum elong	-1856 Feb 03 j 00:50	28° $\overline{\text{Z}}$ 38'00	0°41'09
max. Earth dist.	-1864 Jan 03 j 13:41	27° $\overline{\text{X}}$ 01'12	20.99831 AU	max. Earth dist.	-1856 Feb 04 j 01:32	28° $\overline{\text{Z}}$ 41'31	21.12813 AU
	-1864 Mar 02 j 06:17	0° $\overline{\text{Z}}$			-1856 Feb 27 j 12:09	0° $\overline{\text{Z}}$	
retrograde	-1864 Apr 21 j 02:20	0° $\overline{\text{Z}}$ 58'41		retrograde	-1856 May 23 j 19:16	2° $\overline{\text{Z}}$ 39'07	
	-1864 Jun 11 j 22:19	30° $\overline{\text{R}}$		opposition	-1856 Aug 09 j 21:37	0° $\overline{\text{Z}}$ 39'57	0°-46'-9
min. Earth dist.	-1864 Jul 07 j 07:12	29° $\overline{\text{X}}$ 02'16	19.01498 AU	min. Earth dist.	-1856 Aug 08 j 23:15	0° $\overline{\text{Z}}$ 42'12	19.12533 AU
opposition	-1864 Jul 08 j 09:32	28° $\overline{\text{X}}$ 59'38	0°-28'-30		-1856 Aug 26 j 19:27	30° $\overline{\text{R}}$	

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 4

Attention, astronomical year style is used: The year -1856 in astronomical counting style is the year 1857 BCE in historical counting style.

direct	-1856 Oct 24 j 01:12	28°☾44'02		max. Earth dist.	-1848 Mar 06 j 23:45	0°☿27'06	20.93676 AU
	-1856 Dec 18 j 17:04	0°♁		retrograde	-1848 Jun 25 j 15:04	4°☿29'04	
conjunction	-1855 Feb 06 j 06:39	2°♁35'09	0°-42'-24	opposition	-1848 Sep 10 j 22:14	2°☿28'52	0°-50'-2
minimum elong	-1855 Feb 06 j 06:38	2°♁35'09	0°42'27	min. Earth dist.	-1848 Sep 10 j 09:16	2°☿30'12	18.91715 AU
max. Earth dist.	-1855 Feb 07 j 07:09	2°♁38'38	21.12017 AU	direct	-1848 Nov 24 j 14:15	0°☿31'36	
retrograde	-1855 May 28 j 04:10	6°♁36'26		conjunction	-1847 Mar 10 j 17:52	4°☿26'46	0°-45'-1
min. Earth dist.	-1855 Aug 13 j 05:38	4°♁39'22	19.11443 AU	minimum elong	-1847 Mar 10 j 17:52	4°☿26'46	0°45'02
opposition	-1855 Aug 14 j 03:47	4°♁37'08	0°-47'-27	max. Earth dist.	-1847 Mar 11 j 08:24	4°☿28'51	20.89625 AU
direct	-1855 Oct 28 j 06:38	2°♁41'06		retrograde	-1847 Jun 30 j 01:49	8°☿31'33	
conjunction	-1854 Feb 10 j 12:32	6°♁32'23	0°-43'-28	opposition	-1847 Sep 15 j 04:33	6°☿31'17	0°-49'-26
minimum elong	-1854 Feb 10 j 12:32	6°♁32'23	0°43'30	min. Earth dist.	-1847 Sep 14 j 16:11	6°☿32'34	18.87476 AU
max. Earth dist.	-1854 Feb 11 j 11:04	6°♁35'35	21.10658 AU	direct	-1847 Nov 28 j 20:40	4°☿33'49	
retrograde	-1854 Jun 01 j 10:53	10°♁33'54		conjunction	-1846 Mar 15 j 04:01	8°☿29'56	0°-44'-21
opposition	-1854 Aug 18 j 10:02	8°♁34'27	0°-48'-32	minimum elong	-1846 Mar 15 j 04:01	8°☿29'56	0°44'23
min. Earth dist.	-1854 Aug 17 j 13:59	8°♁36'28	19.09829 AU	max. Earth dist.	-1846 Mar 15 j 16:02	8°☿31'39	20.85204 AU
direct	-1854 Nov 01 j 10:15	6°♁38'16		retrograde	-1846 Jul 04 j 11:37	12°☿35'24	
conjunction	-1853 Feb 14 j 18:42	10°♁29'47	0°-44'-20	opposition	-1846 Sep 19 j 11:30	10°☿35'04	0°-48'-35
minimum elong	-1853 Feb 14 j 18:42	10°♁29'47	0°44'24	min. Earth dist.	-1846 Sep 19 j 01:50	10°☿36'04	18.82865 AU
max. Earth dist.	-1853 Feb 15 j 17:07	10°♁32'58	21.08806 AU	direct	-1846 Dec 03 j 01:39	8°☿37'22	
retrograde	-1853 Jun 05 j 20:18	14°♁31'35		conjunction	-1845 Mar 19 j 14:56	12°☿34'31	0°-43'-28
opposition	-1853 Aug 22 j 16:00	12°♁31'59	0°-49'-22	minimum elong	-1845 Mar 19 j 14:56	12°☿34'31	0°43'29
min. Earth dist.	-1853 Aug 21 j 20:01	12°♁34'00	19.07745 AU	max. Earth dist.	-1845 Mar 20 j 01:41	12°☿36'03	20.80403 AU
direct	-1853 Nov 05 j 15:55	10°♁35'38		retrograde	-1845 Jul 08 j 23:22	16°☿40'43	
conjunction	-1852 Feb 19 j 01:12	14°♁27'30	0°-44'-59	opposition	-1845 Sep 23 j 18:40	14°☿40'16	0°-47'-29
minimum elong	-1852 Feb 19 j 01:12	14°♁27'30	0°45'02	min. Earth dist.	-1845 Sep 23 j 09:50	14°☿41'11	18.77851 AU
max. Earth dist.	-1852 Feb 19 j 21:42	14°♁30'25	21.06510 AU	direct	-1845 Dec 07 j 09:03	12°☿42'19	
retrograde	-1852 Feb 28 j 14:19	15°♁		conjunction	-1844 Mar 23 j 02:47	16°☿40'34	0°-42'-21
opposition	-1852 Jun 09 j 03:04	18°♁29'40		minimum elong	-1844 Mar 23 j 02:47	16°☿40'34	0°42'22
min. Earth dist.	-1852 Aug 25 j 21:59	16°♁29'54	0°-49'-59	max. Earth dist.	-1844 Mar 23 j 10:43	16°☿41'42	20.75176 AU
direct	-1852 Oct 07 j 00:28	15°♁		retrograde	-1844 Jul 12 j 10:04	20°☿47'30	
conjunction	-1852 Nov 08 j 18:55	14°♁33'22		opposition	-1844 Sep 27 j 02:19	18°☿46'56	0°-46'-8
minimum elong	-1852 Dec 11 j 01:02	15°♁		min. Earth dist.	-1844 Sep 26 j 20:29	18°☿47'33	18.72411 AU
max. Earth dist.	-1852 Feb 28 j 14:19	15°♁		direct	-1844 Dec 10 j 15:07	16°☿48'40	
retrograde	-1852 Jun 09 j 03:04	18°♁29'40		conjunction	-1843 Mar 27 j 15:36	20°☿48'04	0°-41'-1
opposition	-1852 Aug 25 j 21:59	16°♁29'54	0°-49'-59	minimum elong	-1843 Mar 27 j 15:36	20°☿48'04	0°41'02
min. Earth dist.	-1852 Aug 25 j 04:07	16°♁31'43	19.05254 AU	max. Earth dist.	-1843 Mar 27 j 21:44	20°☿48'57	20.69533 AU
direct	-1852 Nov 08 j 18:55	14°♁33'22		retrograde	-1843 Jul 16 j 23:09	24°☿55'45	
conjunction	-1851 Feb 22 j 08:19	18°♁25'42	0°-45'-26	opposition	-1843 Oct 01 j 10:16	22°☿55'02	0°-44'-33
minimum elong	-1851 Feb 22 j 08:19	18°♁25'42	0°45'29	min. Earth dist.	-1843 Oct 01 j 05:28	22°☿55'32	18.66550 AU
max. Earth dist.	-1851 Feb 23 j 04:31	18°♁28'34	21.03832 AU	direct	-1843 Dec 14 j 23:58	20°☿56'25	
retrograde	-1851 Jun 13 j 12:50	22°♁28'15		conjunction	-1842 Apr 01 j 04:59	24°☿57'02	0°-39'-27
min. Earth dist.	-1851 Aug 29 j 10:06	20°♁30'11	19.02382 AU	minimum elong	-1842 Apr 01 j 05:00	24°☿57'02	0°39'27
opposition	-1851 Aug 30 j 03:50	20°♁28'22	0°-50'-21	max. Earth dist.	-1842 Apr 01 j 08:19	24°☿57'30	20.63472 AU
direct	-1851 Nov 13 j 01:06	18°♁31'39		retrograde	-1842 Jul 21 j 10:26	29°☿05'28	
conjunction	-1850 Feb 26 j 15:45	22°♁24'33	0°-45'-39	opposition	-1842 Oct 05 j 18:45	27°☿04'35	0°-42'-42
minimum elong	-1850 Feb 26 j 15:45	22°♁24'33	0°45'42	min. Earth dist.	-1842 Oct 05 j 16:53	27°☿04'47	18.60308 AU
max. Earth dist.	-1850 Feb 27 j 09:51	22°♁27'08	21.00778 AU	direct	-1842 Dec 19 j 07:13	25°☿05'34	
retrograde	-1850 Jun 17 j 20:17	26°♁27'35		conjunction	-1841 Apr 05 j 19:16	29°☿07'26	0°-37'-40
opposition	-1850 Sep 03 j 09:48	24°♁27'35	0°-50'-29	minimum elong	-1841 Apr 05 j 19:16	29°☿07'26	0°37'41
min. Earth dist.	-1850 Sep 02 j 18:15	24°♁29'10	18.99159 AU	max. Earth dist.	-1841 Apr 05 j 20:46	29°☿07'39	20.57083 AU
direct	-1850 Nov 17 j 04:05	22°♁30'40		-1841 Apr 21 j 00:25	0°♁		
conjunction	-1849 Mar 02 j 23:51	26°♁24'14	0°-45'-40	retrograde	-1841 Jul 26 j 00:35	3°♁16'40	
minimum elong	-1849 Mar 02 j 23:51	26°♁24'14	0°45'41	opposition	-1841 Oct 10 j 03:27	1°♁15'34	0°-40'-37
max. Earth dist.	-1849 Mar 03 j 17:26	26°♁26'44	20.97396 AU	min. Earth dist.	-1841 Oct 10 j 02:34	1°♁15'40	18.53769 AU
retrograde	-1849 May 19 j 05:58	0°☿		-1841 Nov 11 j 14:35	30°♁		
opposition	-1849 Jun 22 j 06:25	0°☿27'47		direct	-1841 Dec 23 j 17:06	29°☿16'08	
min. Earth dist.	-1849 Sep 07 j 15:50	28°♁27'41	0°-50'-23	-1840 Feb 03 j 00:25	0°♁		
direct	-1849 Sep 07 j 00:29	28°♁29'15	18.95603 AU	conjunction	-1840 Apr 09 j 10:17	3°♁19'19	0°-35'-40
conjunction	-1849 Nov 21 j 10:26	26°♁30'36		minimum elong	-1840 Apr 09 j 10:17	3°♁19'19	0°35'40
minimum elong	-1848 Mar 06 j 08:22	0°☿24'55	0°-45'-27				
maximum elong	-1848 Mar 06 j 08:22	0°☿24'55	0°45'29				

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 5

Attention, astronomical year style is used: The year -1840 in astronomical counting style is the year 1841 BCE in historical counting style.

max. Earth dist.	-1840 Apr 09 j 09:16	3°♃19°10	20.50415 AU	behind sun begin	-1832 May 15 j 14:16	7°♃58°32	
retrograde	-1840 Jul 29 j 13:09	7°♃29°21		behind sun end	-1832 May 15 j 21:54	7°♃59°39	
opposition	-1840 Oct 13 j 12:48	5°♃28°04	0°-38'-18	max. Earth dist.	-1832 May 15 j 01:53	7°♃56°40	19.95046 AU
min. Earth dist.	-1840 Oct 13 j 14:43	5°♃27°51	18.46992 AU	retrograde	-1832 Sep 03 j 02:27	12°♃16°14	
direct	-1840 Dec 27 j 01:44	3°♃28°12		opposition	-1832 Nov 16 j 13:25	10°♃14°05	0°-12'-45
				min. Earth dist.	-1832 Nov 17 j 04:07	10°♃12°30	17.91684 AU
conjunction	-1839 Apr 14 j 02:13	7°♃32°45	0°-33'-28	direct	-1831 Jan 30 j 07:39	8°♃11°11	
minimum elong	-1839 Apr 14 j 02:13	7°♃32°46	0°33'29				
max. Earth dist.	-1839 Apr 13 j 23:17	7°♃32°20	20.43560 AU	conjunction	-1831 May 20 j 17:13	12°♃28°34	0°-9'-46
retrograde	-1839 Aug 03 j 04:09	11°♃43°36		minimum elong	-1831 May 20 j 17:13	12°♃28°34	0°09'46
opposition	-1839 Oct 17 j 22:24	9°♃42°07	0°-35'-46	behind sun begin	-1831 May 20 j 11:43	12°♃27°45	
min. Earth dist.	-1839 Oct 18 j 01:12	9°♃41°49	18.40063 AU	behind sun end	-1831 May 20 j 22:43	12°♃29°22	
direct	-1839 Dec 31 j 12:45	7°♃41°49		max. Earth dist.	-1831 May 19 j 22:04	12°♃25°41	19.88356 AU
					-1831 Jul 04 j 07:01	15°♃	
conjunction	-1838 Apr 18 j 18:55	11°♃47°50	0°-31'-4	retrograde	-1831 Sep 07 j 22:43	16°♃46°35	
minimum elong	-1838 Apr 18 j 18:55	11°♃47°50	0°31'05		-1831 Nov 15 j 04:12	15°♃♃	
max. Earth dist.	-1838 Apr 18 j 13:51	11°♃47°06	20.36571 AU	opposition	-1831 Nov 21 j 04:56	14°♃44°22	0°-8'-52
retrograde	-1838 Aug 07 j 18:05	15°♃59°32		min. Earth dist.	-1831 Nov 21 j 20:57	14°♃42°38	17.85031 AU
opposition	-1838 Oct 22 j 08:50	13°♃57°52	0°-33'-2	direct	-1830 Feb 04 j 02:11	12°♃41°07	
min. Earth dist.	-1838 Oct 22 j 14:08	13°♃57°18	18.33044 AU		-1830 Apr 21 j 08:26	15°♃	
direct	-1837 Jan 04 j 22:41	11°♃57°09					
				conjunction	-1830 May 25 j 17:20	17°♃00°08	0°-6'-15
conjunction	-1837 Apr 23 j 12:19	16°♃04°39	0°-28'-30	minimum elong	-1830 May 25 j 17:20	17°♃00°08	0°06'14
minimum elong	-1837 Apr 23 j 12:20	16°♃04°39	0°28'30	behind sun begin	-1830 May 25 j 10:55	16°♃59°12	
max. Earth dist.	-1837 Apr 23 j 05:20	16°♃03°37	20.29542 AU	behind sun end	-1830 May 25 j 23:45	17°♃01°05	
retrograde	-1837 Aug 12 j 10:23	20°♃17°14		max. Earth dist.	-1830 May 24 j 21:11	16°♃57°06	19.81726 AU
opposition	-1837 Oct 26 j 19:45	18°♃15°24	0°-30'-5	retrograde	-1830 Sep 12 j 17:55	21°♃18°58	
min. Earth dist.	-1837 Oct 27 j 01:47	18°♃14°46	18.26007 AU	opposition	-1830 Nov 25 j 21:25	19°♃16°42	0°-4'-54
direct	-1836 Jan 09 j 11:10	16°♃14°16		min. Earth dist.	-1830 Nov 26 j 15:17	19°♃14°46	17.78446 AU
				direct	-1829 Feb 08 j 19:26	17°♃13°04	
conjunction	-1836 Apr 27 j 06:51	20°♃23°20	0°-25'-45				
minimum elong	-1836 Apr 27 j 06:51	20°♃23°20	0°25'45	conjunction	-1829 May 30 j 17:58	21°♃33°41	0°-2'-39
max. Earth dist.	-1836 Apr 26 j 22:04	20°♃22°03	20.22505 AU	minimum elong	-1829 May 30 j 17:59	21°♃33°41	0°02'38
retrograde	-1836 Aug 16 j 01:43	24°♃36°48		behind sun begin	-1829 May 30 j 11:12	21°♃32°41	
opposition	-1836 Oct 30 j 07:22	22°♃34°52	0°-26'-57	behind sun end	-1829 May 31 j 00:45	21°♃34°41	
min. Earth dist.	-1836 Oct 30 j 15:46	22°♃33°58	18.18992 AU	max. Earth dist.	-1829 May 29 j 18:52	21°♃30°11	19.75199 AU
direct	-1835 Jan 12 j 22:22	20°♃33°21		retrograde	-1829 Sep 17 j 14:50	25°♃53°18	
				opposition	-1829 Nov 30 j 14:38	23°♃50°56	0°00'-52
conjunction	-1835 May 02 j 02:16	24°♃44°01	0°-22'-50	min. Earth dist.	-1829 Dec 01 j 09:54	23°♃48°51	17.71988 AU
minimum elong	-1835 May 02 j 02:16	24°♃44°01	0°22'50	direct	-1828 Feb 13 j 16:16	21°♃46°54	
max. Earth dist.	-1835 May 01 j 15:15	24°♃42°24	20.15527 AU	asc. node	-1828 Feb 18 j 09:45	21°♃47°30	
retrograde	-1835 Aug 20 j 19:42	28°♃58°25					
opposition	-1835 Nov 03 j 19:40	26°♃56°23	0°-23'-38	conjunction	-1828 Jun 03 j 19:37	26°♃09°05	0°01'05
min. Earth dist.	-1835 Nov 04 j 04:52	26°♃55°24	18.12048 AU	minimum elong	-1828 Jun 03 j 19:38	26°♃09°05	0°01'07
direct	-1834 Jan 17 j 12:25	24°♃54°29		behind sun begin	-1828 Jun 03 j 12:51	26°♃08°04	
				behind sun end	-1828 Jun 04 j 02:25	26°♃10°05	
conjunction	-1834 May 06 j 22:31	29°♃06°49	0°-19'-46	max. Earth dist.	-1828 Jun 02 j 19:55	26°♃05°28	19.68809 AU
minimum elong	-1834 May 06 j 22:31	29°♃06°49	0°19'46		-1828 Aug 19 j 12:03	0°♃	
max. Earth dist.	-1834 May 06 j 10:07	29°♃04°59	20.08613 AU	retrograde	-1828 Sep 21 j 11:16	0°♃29°22	
	-1834 May 21 j 22:31	0°♃			-1828 Oct 24 j 20:24	30°♃♃	
retrograde	-1834 Aug 25 j 12:39	3°♃22°08		opposition	-1828 Dec 04 j 08:34	28°♃26°57	0°03'11
opposition	-1834 Nov 08 j 08:52	1°♃20°03	0°-20'-9	min. Earth dist.	-1828 Dec 05 j 05:14	28°♃24°42	17.65693 AU
min. Earth dist.	-1834 Nov 08 j 20:15	1°♃18°50	18.05179 AU	direct	-1827 Feb 17 j 12:31	26°♃22°31	
	-1834 Dec 12 j 05:21	30°♃♃			-1827 May 27 j 06:44	0°♃	
direct	-1833 Jan 22 j 01:06	29°♃17°50					
	-1833 Mar 03 j 10:07	0°♃		conjunction	-1827 Jun 08 j 21:41	0°♃46°10	0°04'47
				minimum elong	-1827 Jun 08 j 21:42	0°♃46°10	0°04'49
conjunction	-1833 May 11 j 19:43	3°♃31°50	0°-16'-33	behind sun begin	-1827 Jun 08 j 15:04	0°♃45°11	
minimum elong	-1833 May 11 j 19:44	3°♃31°50	0°16'33	behind sun end	-1827 Jun 09 j 04:19	0°♃47°09	
max. Earth dist.	-1833 May 11 j 04:49	3°♃29°37	20.01798 AU	max. Earth dist.	-1827 Jun 07 j 19:20	0°♃42°08	19.62633 AU
retrograde	-1833 Aug 30 j 07:59	7°♃48°05		retrograde	-1827 Sep 26 j 08:40	5°♃07°08	
opposition	-1833 Nov 12 j 22:36	5°♃45°57	0°-16'-31	opposition	-1827 Dec 09 j 03:22	3°♃04°36	0°07'16
min. Earth dist.	-1833 Nov 13 j 11:04	5°♃44°36	17.98405 AU	min. Earth dist.	-1827 Dec 10 j 01:21	3°♃02°12	17.59662 AU
direct	-1832 Jan 26 j 16:57	3°♃43°23		direct	-1826 Feb 22 j 10:31	0°♃59°46	
				max. Earth dist.	-1826 Jun 12 j 21:55	5°♃20°47	19.56746 AU
conjunction	-1832 May 15 j 18:05	7°♃59°05	0°-13'-13				
minimum elong	-1832 May 15 j 18:05	7°♃59°05	0°13'12	conjunction	-1826 Jun 14 j 00:14	5°♃24°50	0°08'24

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 6

Attention, astronomical year style is used: The year -1826 in astronomical counting style is the year 1827 BCE in historical counting style.

minimum elong	-1826 Jun 14 j 00:14	5°II24'50	0°08'26	opposition	-1818 Jan 15 j 11:34	10°☾53'39	0°36'31
behind sun begin	-1826 Jun 13 j 18:19	5°II23'57		min. Earth dist.	-1818 Jan 16 j 12:38	10°☾50'55	17.28043 AU
behind sun end	-1826 Jun 14 j 06:09	5°II25'43		direct	-1818 Apr 01 j 13:53	8°☾47'02	
retrograde	-1826 Oct 01 j 07:07	9°II46'23		max. Earth dist.	-1818 Jul 22 j 04:04	13°☾15'36	19.27203 AU
opposition	-1826 Dec 13 j 22:52	7°II43'46	0°11'18				
min. Earth dist.	-1826 Dec 14 j 21:31	7°II41'17	17.53945 AU	conjunction	-1818 Jul 23 j 08:42	13°☾20'07	0°34'04
direct	-1825 Feb 27 j 08:56	5°II38'34		minimum elong	-1818 Jul 23 j 08:42	13°☾20'07	0°34'06
max. Earth dist.	-1825 Jun 17 j 22:53	10°II00'35	19.51217 AU	retrograde	-1818 Nov 08 j 07:56	17°☾44'24	
				opposition	-1817 Jan 20 j 12:34	15°☾42'02	0°39'21
conjunction	-1825 Jun 19 j 03:15	10°II04'57	0°12'00	min. Earth dist.	-1817 Jan 21 j 12:27	15°☾39'25	17.26579 AU
minimum elong	-1825 Jun 19 j 03:15	10°II04'57	0°12'03	direct	-1817 Apr 06 j 18:34	13°☾35'22	
behind sun begin	-1825 Jun 18 j 22:43	10°II04'16		max. Earth dist.	-1817 Jul 27 j 09:49	18°☾04'33	19.25987 AU
behind sun end	-1825 Jun 19 j 07:47	10°II05'38					
retrograde	-1825 Oct 06 j 05:04	14°II27'03		conjunction	-1817 Jul 28 j 13:26	18°☾08'54	0°36'29
opposition	-1825 Dec 18 j 19:00	12°II24'21	0°15'18	minimum elong	-1817 Jul 28 j 13:26	18°☾08'54	0°36'31
min. Earth dist.	-1825 Dec 19 j 18:55	12°II21'44	17.48638 AU	retrograde	-1817 Nov 13 j 07:49	22°☾33'12	
direct	-1824 Mar 03 j 07:28	10°II18'46		opposition	-1816 Jan 25 j 14:11	20°☾30'56	0°41'55
max. Earth dist.	-1824 Jun 22 j 02:45	14°II42'05	19.46126 AU	min. Earth dist.	-1816 Jan 26 j 14:45	20°☾28'15	17.25620 AU
				direct	-1816 Apr 10 j 22:11	18°☾24'15	
conjunction	-1824 Jun 23 j 06:50	14°II46'26	0°15'32				
minimum elong	-1824 Jun 23 j 06:49	14°II46'26	0°15'34	conjunction	-1816 Aug 01 j 17:50	22°☾58'03	0°38'38
behind sun begin	-1824 Jun 23 j 05:41	14°II46'16		minimum elong	-1816 Aug 01 j 17:50	22°☾58'03	0°38'39
behind sun end	-1824 Jun 23 j 07:58	14°II46'36		max. Earth dist.	-1816 Jul 31 j 13:57	22°☾53'38	19.25282 AU
retrograde	-1824 Oct 10 j 05:27	19°II09'00		retrograde	-1816 Nov 17 j 09:28	27°☾22'17	
opposition	-1824 Dec 22 j 15:58	17°II06'15	0°19'12	opposition	-1815 Jan 29 j 16:11	25°☾20'06	0°44'10
min. Earth dist.	-1824 Dec 23 j 15:51	17°II03'38	17.43786 AU	min. Earth dist.	-1815 Jan 30 j 15:21	25°☾17'34	17.25165 AU
direct	-1823 Mar 08 j 07:31	15°II00'22		direct	-1815 Apr 16 j 03:55	23°☾13'25	
max. Earth dist.	-1823 Jun 27 j 05:12	19°II24'38	19.41524 AU				
				conjunction	-1815 Aug 06 j 21:55	27°☾47'19	0°40'31
conjunction	-1823 Jun 28 j 10:31	19°II29'11	0°18'59	minimum elong	-1815 Aug 06 j 21:55	27°☾47'19	0°40'34
minimum elong	-1823 Jun 28 j 10:30	19°II29'11	0°19'01	max. Earth dist.	-1815 Aug 05 j 19:51	27°☾43'11	19.25073 AU
retrograde	-1823 Oct 15 j 03:55	23°II52'12					
opposition	-1823 Dec 27 j 13:45	21°II49'26	0°22'59	retrograde	-1815 Nov 22 j 09:31	2°♁11'23	
min. Earth dist.	-1823 Dec 28 j 14:37	21°II46'42	17.39473 AU	opposition	-1814 Feb 03 j 18:41	0°♁09'17	0°46'07
direct	-1822 Mar 13 j 06:54	19°II43'16		min. Earth dist.	-1814 Feb 04 j 17:56	0°♁06'45	17.25209 AU
max. Earth dist.	-1822 Jul 02 j 09:47	24°II08'41	19.37495 AU				
				direct	-1814 Feb 07 j 08:02	30°☾	
conjunction	-1822 Jul 03 j 14:36	24°II13'10	0°22'19				
minimum elong	-1822 Jul 03 j 14:36	24°II13'10	0°22'21	direct	-1814 Apr 21 j 08:37	28°☾02'38	
retrograde	-1822 Oct 20 j 05:11	28°II36'33					
opposition	-1821 Jan 01 j 12:04	26°II33'49	0°26'39	max. Earth dist.	-1814 Jun 29 j 07:36	0°♁	
min. Earth dist.	-1821 Jan 02 j 12:15	26°II31'10	17.35735 AU	conjunction	-1814 Aug 10 j 23:22	2°♁32'17	19.25384 AU
direct	-1821 Mar 18 j 08:12	24°II27'28					
				conjunction	-1814 Aug 12 j 01:33	2°♁36'26	0°42'07
conjunction	-1821 Jul 08 j 18:56	28°II58'21	0°25'31	minimum elong	-1814 Aug 12 j 01:33	2°♁36'26	0°42'08
minimum elong	-1821 Jul 08 j 18:56	28°II58'21	0°25'33	retrograde	-1814 Nov 27 j 10:47	7°♁00'16	
max. Earth dist.	-1821 Jul 07 j 13:40	28°II53'46	19.34051 AU	opposition	-1813 Feb 08 j 21:04	4°♁58'13	0°47'45
				min. Earth dist.	-1813 Feb 09 j 18:52	4°♁55'51	17.25784 AU
retrograde	-1821 Jul 25 j 08:08	0°☾		direct	-1813 Apr 26 j 14:22	2°♁51'35	
opposition	-1821 Oct 25 j 04:23	3°☾22'04		max. Earth dist.	-1813 Aug 16 j 05:00	7°♁21'23	19.26224 AU
min. Earth dist.	-1820 Jan 06 j 11:15	1°☾19'23	0°30'08				
				conjunction	-1813 Aug 17 j 04:51	7°♁25'10	0°43'25
direct	-1820 Jan 07 j 12:25	1°☾16'37	17.32596 AU	minimum elong	-1813 Aug 17 j 04:51	7°♁25'10	0°43'27
				retrograde	-1813 Dec 02 j 10:53	11°♁48'38	
retrograde	-1820 Feb 08 j 02:42	30°☾II		opposition	-1812 Feb 13 j 23:53	9°♁46'40	0°49'01
opposition	-1820 Mar 22 j 08:53	29°II12'53		min. Earth dist.	-1812 Feb 14 j 21:06	9°♁44'22	17.26888 AU
min. Earth dist.	-1820 May 03 j 22:52	0°☾		direct	-1812 Apr 30 j 18:45	7°♁40'06	
direct				max. Earth dist.	-1812 Aug 20 j 07:49	12°♁09'33	19.27616 AU
conjunction	-1820 Jul 12 j 23:29	3°☾44'39	0°28'33	conjunction	-1812 Aug 21 j 07:17	12°♁13'16	0°44'24
minimum elong	-1820 Jul 12 j 23:29	3°☾44'39	0°28'36	minimum elong	-1812 Aug 21 j 07:17	12°♁13'16	0°44'27
max. Earth dist.	-1820 Jul 11 j 18:29	3°☾40'06	19.31207 AU	retrograde	-1812 Oct 07 j 11:27	15°♁	
retrograde	-1820 Oct 29 j 06:09	8°☾08'37		retrograde	-1812 Dec 06 j 11:56	16°♁36'19	
opposition	-1819 Jan 10 j 10:58	6°☾06'02	0°33'26				
min. Earth dist.	-1819 Jan 11 j 11:09	6°☾03'23	17.30036 AU	opposition	-1811 Feb 08 j 03:51	15°☾	
direct	-1819 Mar 27 j 11:57	3°☾59'27		min. Earth dist.	-1811 Feb 18 j 02:42	14°♁34'23	0°49'57
max. Earth dist.	-1819 Jul 16 j 23:35	8°☾27'28	19.28926 AU	direct	-1811 Feb 18 j 22:17	14°♁32'16	17.28572 AU
				direct	-1811 May 05 j 23:51	12°♁27'54	
conjunction	-1819 Jul 18 j 04:13	8°☾31'58	0°31'25				
minimum elong	-1819 Jul 18 j 04:13	8°☾31'58	0°31'27	conjunction	-1811 Jul 24 j 14:12	15°♁	
retrograde	-1819 Nov 03 j 05:52	12°☾56'08					
				conjunction	-1811 Aug 26 j 09:11	17°♁00'30	0°45'05

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 7

Attention, astronomical year style is used: The year -1811 in astronomical counting style is the year 1812 BCE in historical counting style.

minimum elong	-1811 Aug 26 j 09:11	17°Ω00'30	0°45'06	minimum elong	-1803 Oct 02 j 18:57	24°♄34'26	0°39'37
max. Earth dist.	-1811 Aug 25 j 12:34	16°Ω57'14	19.29598 AU	max. Earth dist.	-1803 Oct 02 j 14:49	24°♄33'47	19.65797 AU
retrograde	-1811 Dec 11 j 11:47	21°Ω23'04		retrograde	-1802 Jan 17 j 19:24	28°♄51'23	
opposition	-1810 Feb 23 j 05:32	19°Ω21'11	0°50'31	opposition	-1802 Apr 02 j 20:51	26°♄50'39	0°43'03
min. Earth dist.	-1810 Feb 23 j 23:38	19°Ω19'14	17.30850 AU	min. Earth dist.	-1802 Apr 02 j 22:52	26°♄50'26	17.68896 AU
direct	-1810 May 11 j 03:40	17°Ω14'51		direct	-1802 Jun 19 j 04:30	24°♄46'59	
conjunction	-1810 Aug 31 j 10:07	21°Ω46'43	0°45'27	conjunction	-1802 Oct 07 j 13:25	29°♄09'16	0°37'41
minimum elong	-1810 Aug 31 j 10:07	21°Ω46'43	0°45'28	minimum elong	-1802 Oct 07 j 13:25	29°♄09'16	0°37'41
max. Earth dist.	-1810 Aug 30 j 14:31	21°Ω43'37	19.32191 AU	max. Earth dist.	-1802 Oct 07 j 11:46	29°♄09'01	19.72047 AU
retrograde	-1810 Dec 16 j 11:59	26°Ω08'44			-1802 Oct 21 j 04:35	0°♁	
opposition	-1809 Feb 28 j 08:15	24°Ω06'55	0°50'45	retrograde	-1801 Jan 22 j 13:49	3°♁25'20	
min. Earth dist.	-1809 Mar 01 j 00:39	24°Ω05'10	17.33761 AU	opposition	-1801 Apr 07 j 21:07	1°♁24'45	0°40'47
direct	-1809 May 16 j 08:07	22°Ω00'45		min. Earth dist.	-1801 Apr 07 j 22:18	1°♁24'38	17.75236 AU
conjunction	-1809 Sep 05 j 10:28	26°Ω31'48	0°45'30		-1801 May 15 j 04:56	30°♄	
minimum elong	-1809 Sep 05 j 10:28	26°Ω31'48	0°45'30	direct	-1801 Jun 24 j 03:28	29°♄21'29	
max. Earth dist.	-1809 Sep 04 j 17:47	26°Ω29'10	19.35418 AU		-1801 Aug 01 j 22:06	0°♁	
retrograde	-1809 Nov 07 j 09:13	0°♄		conjunction	-1801 Oct 12 j 06:48	3°♁42'10	0°35'33
opposition	-1809 Dec 21 j 10:52	0°♄53'12		minimum elong	-1801 Oct 12 j 06:48	3°♁42'10	0°35'32
min. Earth dist.	-1808 Feb 05 j 04:04	30°♄		max. Earth dist.	-1801 Oct 12 j 06:27	3°♁42'07	19.78469 AU
direct	-1808 Mar 04 j 10:47	28°Ω51'30	0°50'37	retrograde	-1800 Jan 27 j 09:42	7°♁57'21	
conjunction	-1808 Mar 05 j 00:57	28°Ω49'59	17.37286 AU	opposition	-1800 Apr 11 j 20:37	5°♁56'53	0°38'15
minimum elong	-1808 May 20 j 12:23	26°Ω45'36		min. Earth dist.	-1800 Apr 11 j 18:50	5°♁57'04	17.81718 AU
max. Earth dist.	-1808 Aug 20 j 05:04	0°♄		direct	-1800 Jun 28 j 03:47	3°♁53'59	
retrograde							
opposition							
min. Earth dist.							
direct							
conjunction	-1808 Sep 09 j 09:58	1°♄15'42	0°45'14	conjunction	-1800 Oct 15 j 23:23	8°♁13'04	0°33'12
minimum elong	-1808 Sep 09 j 09:58	1°♄15'42	0°45'15	minimum elong	-1800 Oct 15 j 23:23	8°♁13'04	0°33'12
max. Earth dist.	-1808 Sep 08 j 18:52	1°♄13'18	19.39261 AU	max. Earth dist.	-1800 Oct 16 j 01:49	8°♁13'27	19.85014 AU
retrograde	-1808 Dec 25 j 09:29	5°♄36'27		retrograde	-1799 Jan 31 j 02:55	12°♁27'20	
opposition	-1807 Mar 09 j 13:19	3°♄34'53	0°50'09	opposition	-1799 Apr 16 j 19:39	10°♁26'57	0°35'31
min. Earth dist.	-1807 Mar 10 j 01:53	3°♄33'33	17.41431 AU	min. Earth dist.	-1799 Apr 16 j 16:56	10°♁27'13	17.88321 AU
direct	-1807 May 25 j 16:00	1°♄29'18		direct	-1799 Jul 03 j 01:29	8°♁24'25	
conjunction	-1807 Sep 14 j 08:34	5°♄58'19	0°44'41	conjunction	-1799 Oct 20 j 14:44	12°♁41'50	0°30'39
minimum elong	-1807 Sep 14 j 08:34	5°♄58'19	0°44'42	minimum elong	-1799 Oct 20 j 14:44	12°♁41'50	0°30'38
max. Earth dist.	-1807 Sep 13 j 20:13	5°♄56'22	19.43697 AU	max. Earth dist.	-1799 Oct 20 j 18:23	12°♁42'23	19.91680 AU
retrograde	-1807 Dec 30 j 07:49	10°♄18'24		retrograde	-1798 Feb 04 j 21:07	16°♁55'10	
opposition	-1806 Mar 14 j 15:29	8°♄17'00	0°49'22	opposition	-1798 Apr 21 j 17:43	14°♁54'51	0°32'35
min. Earth dist.	-1806 Mar 15 j 01:22	8°♄15'57	17.46117 AU	min. Earth dist.	-1798 Apr 21 j 12:05	14°♁55'26	17.95036 AU
direct	-1806 May 30 j 20:17	6°♄11'46		direct	-1798 Jul 07 j 23:39	12°♁52'41	
conjunction	-1806 Sep 19 j 06:27	10°♄39'37	0°43'50	conjunction	-1798 Oct 25 j 05:18	17°♁08'26	0°27'57
minimum elong	-1806 Sep 19 j 06:27	10°♄39'37	0°43'50	minimum elong	-1798 Oct 25 j 05:18	17°♁08'26	0°27'57
max. Earth dist.	-1806 Sep 18 j 20:06	10°♄37'59	19.48637 AU	max. Earth dist.	-1798 Oct 25 j 12:00	17°♁09'27	19.98445 AU
retrograde	-1805 Jan 04 j 04:42	14°♄58'58		retrograde	-1797 Feb 09 j 12:55	21°♁20'50	
opposition	-1805 Mar 19 j 17:19	12°♄57'45	0°48'14	opposition	-1797 Apr 26 j 15:03	19°♁20'35	0°29'29
min. Earth dist.	-1805 Mar 20 j 02:05	12°♄56'49	17.51288 AU	min. Earth dist.	-1797 Apr 26 j 08:17	19°♁21'17	18.01857 AU
direct	-1805 Jun 04 j 22:35	10°♄52'53		direct	-1797 Jul 12 j 20:06	17°♁18'47	
conjunction	-1805 Sep 24 j 03:31	15°♄19'29	0°42'41	conjunction	-1797 Oct 29 j 18:46	21°♁32'51	0°25'07
minimum elong	-1805 Sep 24 j 03:31	15°♄19'29	0°42'43	minimum elong	-1797 Oct 29 j 18:47	21°♁32'51	0°25'05
max. Earth dist.	-1805 Sep 23 j 19:21	15°♄18'12	19.54024 AU	max. Earth dist.	-1797 Oct 30 j 02:41	21°♁34'03	20.05336 AU
retrograde	-1804 Jan 09 j 02:31	19°♄38'04		retrograde	-1796 Feb 14 j 05:42	25°♁44'21	
opposition	-1804 Mar 23 j 18:54	17°♄37'01	0°46'48	opposition	-1796 Apr 30 j 11:39	23°♁44'10	0°26'15
min. Earth dist.	-1804 Mar 24 j 00:49	17°♄36'24	17.56852 AU	min. Earth dist.	-1796 Apr 30 j 01:54	23°♁45'10	18.08816 AU
direct	-1804 Jun 09 j 02:03	15°♄32'34		direct	-1796 Jul 16 j 15:48	21°♁42'45	
conjunction	-1804 Sep 27 j 23:39	19°♄57'48	0°41'17	conjunction	-1796 Nov 02 j 07:23	25°♁55'09	0°22'09
minimum elong	-1804 Sep 27 j 23:39	19°♄57'48	0°41'17	minimum elong	-1796 Nov 02 j 07:23	25°♁55'09	0°22'08
max. Earth dist.	-1804 Sep 27 j 17:50	19°♄56'53	19.59759 AU	max. Earth dist.	-1796 Nov 02 j 18:34	25°♁56'51	20.12352 AU
retrograde	-1803 Jan 12 j 22:14	24°♄15'35			-1795 Feb 03 j 00:03	0°♄	
opposition	-1803 Mar 28 j 20:16	22°♄14'43	0°45'04	retrograde	-1795 Feb 17 j 20:24	0°♄05'46	
min. Earth dist.	-1803 Mar 29 j 01:11	22°♄14'12	17.62746 AU		-1795 Mar 04 j 20:57	30°♄	
direct	-1803 Jun 14 j 02:33	20°♄10'39		opposition	-1795 May 05 j 07:34	28°♁05'41	0°22'53
conjunction	-1803 Oct 02 j 18:57	24°♄34'26	0°39'36	min. Earth dist.	-1795 May 04 j 20:19	28°♁06'50	18.15891 AU
				direct	-1795 Jul 21 j 11:07	26°♁04'42	

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 8

Attention, astronomical year style is used: The year -1795 in astronomical counting style is the year 1796 BCE in historical counting style.

	-1795 Nov 02 j 13:25	0°♄			behind sun end	-1789 Dec 02 j 09:37	25°♄41'54	
					max. Earth dist.	-1789 Dec 03 j 00:46	25°♄44'10	20.61399 AU
conjunction	-1795 Nov 06 j 19:07	0°♄15'28	0°19'05		retrograde	-1788 Mar 19 j 16:14	29°♄46'16	
minimum elong	-1795 Nov 06 j 19:07	0°♄15'28	0°19'04		min. Earth dist.	-1788 Jun 04 j 06:53	27°♄49'22	18.64548 AU
max. Earth dist.	-1795 Nov 07 j 07:20	0°♄17'18	20.19485 AU		opposition	-1788 Jun 05 j 05:05	27°♄47'08	0°-2'-25
retrograde	-1794 Feb 22 j 11:54	4°♄25'13			direct	-1788 Aug 20 j 21:03	25°♄49'04	
opposition	-1794 May 10 j 02:24	2°♄25'15	0°19'25					
min. Earth dist.	-1794 May 09 j 12:33	2°♄26'40	18.23072 AU		conjunction	-1788 Dec 05 j 10:33	29°♄49'42	0°-3'-53
direct	-1794 Jul 26 j 04:27	0°♄24'41			minimum elong	-1788 Dec 05 j 10:33	29°♄49'42	0°03'55
					behind sun begin	-1788 Dec 05 j 04:05	29°♄48'47	
conjunction	-1794 Nov 11 j 06:13	4°♄33'53	0°15'56		behind sun end	-1788 Dec 05 j 17:00	29°♄50'38	
minimum elong	-1794 Nov 11 j 06:13	4°♄33'53	0°15'55		max. Earth dist.	-1788 Dec 06 j 10:12	29°♄53'12	20.67582 AU
behind sun begin	-1794 Nov 11 j 04:46	4°♄33'41						
behind sun end	-1794 Nov 11 j 07:40	4°♄34'06			retrograde	-1787 Mar 24 j 02:15	3°♄54'21	
max. Earth dist.	-1794 Nov 11 j 21:28	4°♄36'11	20.26688 AU		opposition	-1787 Jun 09 j 19:01	1°♄55'18	0°-6'-3
retrograde	-1793 Feb 27 j 01:28	8°♄42'49			min. Earth dist.	-1787 Jun 08 j 19:50	1°♄57'37	18.70537 AU
opposition	-1793 May 14 j 20:40	6°♄43'01	0°15'52					
min. Earth dist.	-1793 May 14 j 05:22	6°♄44'34	18.30283 AU		direct	-1787 Aug 15 j 10:56	30°♄	
direct	-1793 Jul 30 j 22:12	4°♄42'55						
conjunction	-1793 Nov 15 j 16:17	8°♄50'33	0°12'44		conjunction	-1787 Dec 09 j 17:26	3°♄56'54	0°-7'-7
minimum elong	-1793 Nov 15 j 16:17	8°♄50'33	0°12'43		minimum elong	-1787 Dec 09 j 17:26	3°♄56'54	0°07'11
behind sun begin	-1793 Nov 15 j 12:04	8°♄49'56			behind sun begin	-1787 Dec 09 j 11:24	3°♄56'02	
behind sun end	-1793 Nov 15 j 20:30	8°♄51'10			behind sun end	-1787 Dec 09 j 23:28	3°♄57'46	
max. Earth dist.	-1793 Nov 16 j 08:21	8°♄52'58	20.33900 AU		max. Earth dist.	-1787 Dec 10 j 16:47	4°♄00'20	20.73372 AU
retrograde	-1792 Mar 02 j 15:49	12°♄58'42			retrograde	-1786 Mar 28 j 12:41	8°♄00'55	
opposition	-1792 May 18 j 14:14	10°♄59'02	0°12'16		min. Earth dist.	-1786 Jun 13 j 08:32	6°♄04'15	18.76135 AU
min. Earth dist.	-1792 May 17 j 20:47	11°♄00'49	18.37481 AU		opposition	-1786 Jun 14 j 08:05	6°♄01'54	0°-9'-38
direct	-1792 Aug 03 j 13:43	8°♄59'23			direct	-1786 Aug 29 j 19:36	4°♄04'22	
conjunction	-1792 Nov 19 j 01:58	13°♄05'32	0°09'28		conjunction	-1786 Dec 13 j 23:55	8°♄02'34	0°-10'-19
minimum elong	-1792 Nov 19 j 01:57	13°♄05'32	0°09'26		minimum elong	-1786 Dec 13 j 23:55	8°♄02'34	0°10'21
behind sun begin	-1792 Nov 18 j 20:28	13°♄04'44			behind sun begin	-1786 Dec 13 j 18:43	8°♄01'50	
behind sun end	-1792 Nov 19 j 07:27	13°♄06'20			behind sun end	-1786 Dec 14 j 05:07	8°♄03'19	
max. Earth dist.	-1792 Nov 19 j 20:49	13°♄08'22	20.41053 AU		max. Earth dist.	-1786 Dec 15 j 01:03	8°♄06'15	20.78763 AU
	-1792 Dec 22 j 02:02	15°♄			retrograde	-1785 Apr 01 j 22:07	12°♄05'59	
retrograde	-1791 Mar 07 j 04:00	17°♄12'55			opposition	-1785 Jun 18 j 20:28	10°♄06'57	0°-13'-8
opposition	-1791 May 23 j 07:00	15°♄13'26	0°08'36		min. Earth dist.	-1785 Jun 17 j 19:56	10°♄09'24	18.81323 AU
min. Earth dist.	-1791 May 22 j 12:16	15°♄15'19	18.44575 AU		direct	-1785 Sep 03 j 07:13	8°♄09'39	
	-1791 May 28 j 20:09	15°♄						
direct	-1791 Aug 08 j 05:38	13°♄14'13			conjunction	-1785 Dec 18 j 05:38	12°♄06'42	0°-13'-26
	-1791 Oct 13 j 07:47	15°♄			minimum elong	-1785 Dec 18 j 05:37	12°♄06'42	0°13'30
					behind sun begin	-1785 Dec 18 j 01:51	12°♄06'10	
conjunction	-1791 Nov 23 j 10:49	17°♄18'54	0°06'11		behind sun end	-1785 Dec 18 j 09:23	12°♄07'15	
minimum elong	-1791 Nov 23 j 10:49	17°♄18'54	0°06'10		max. Earth dist.	-1785 Dec 19 j 06:33	12°♄10'21	20.83762 AU
behind sun begin	-1791 Nov 23 j 04:36	17°♄18'00			retrograde	-1784 Apr 05 j 07:21	16°♄09'35	
behind sun end	-1791 Nov 23 j 17:01	17°♄19'48			min. Earth dist.	-1784 Jun 21 j 07:30	14°♄13'00	18.86153 AU
max. Earth dist.	-1791 Nov 24 j 06:05	17°♄21'47	20.48072 AU		opposition	-1784 Jun 22 j 08:16	14°♄10'32	0°-16'-33
retrograde	-1790 Mar 11 j 17:26	21°♄25'35			direct	-1784 Sep 06 j 15:32	12°♄13'24	
opposition	-1790 May 27 j 23:03	19°♄26'13	0°04'56					
min. Earth dist.	-1790 May 27 j 02:52	19°♄28'15	18.51507 AU		conjunction	-1784 Dec 21 j 11:12	16°♄09'25	0°-16'-28
direct	-1790 Aug 12 j 19:10	17°♄27'25			minimum elong	-1784 Dec 21 j 11:12	16°♄09'25	0°16'31
					max. Earth dist.	-1784 Dec 22 j 13:57	16°♄13'18	20.88411 AU
conjunction	-1790 Nov 27 j 19:17	21°♄30'42	0°02'52		retrograde	-1783 Apr 09 j 16:10	20°♄11'46	
minimum elong	-1790 Nov 27 j 19:17	21°♄30'43	0°02'50		opposition	-1783 Jun 26 j 19:05	18°♄12'42	0°-19'-52
behind sun begin	-1790 Nov 27 j 12:47	21°♄29'46			min. Earth dist.	-1783 Jun 25 j 17:14	18°♄15'17	18.90636 AU
behind sun end	-1790 Nov 28 j 01:48	21°♄31'39			direct	-1783 Sep 11 j 01:28	16°♄15'46	
max. Earth dist.	-1790 Nov 28 j 16:55	21°♄33'55	20.54876 AU					
retrograde	-1789 Mar 16 j 04:04	25°♄36'40			conjunction	-1783 Dec 25 j 16:15	20°♄10'49	0°-19'-25
opposition	-1789 Jun 01 j 14:21	23°♄37'27	0°01'15		minimum elong	-1783 Dec 25 j 16:15	20°♄10'49	0°19'28
min. Earth dist.	-1789 May 31 j 17:03	23°♄39'35	18.58176 AU		max. Earth dist.	-1783 Dec 26 j 18:39	20°♄14'39	20.92730 AU
direct	-1789 Aug 17 j 09:18	21°♄39'02			retrograde	-1782 Apr 14 j 00:40	24°♄12'44	
desc. node	-1789 Oct 04 j 17:21	22°♄37'30			min. Earth dist.	-1782 Jun 30 j 03:34	22°♄16'14	18.94810 AU
					opposition	-1782 Jul 01 j 05:27	22°♄13'39	0°-23'-3
conjunction	-1789 Dec 02 j 03:08	25°♄40'58	0°00'-32		direct	-1782 Sep 15 j 08:33	20°♄16'53	
minimum elong	-1789 Dec 02 j 03:07	25°♄40'58	0°00'35					
behind sun begin	-1789 Dec 01 j 20:36	25°♄40'02			conjunction	-1782 Dec 29 j 21:06	24°♄11'06	0°-22'-15



Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 9

Attention, astronomical year style is used: The year -1782 in astronomical counting style is the year 1783 BCE in historical counting style.

minimum elong	-1782 Dec 29 j 21:06	24°♁11'06	0°22'18	minimum elong	-1773 Jan 30 j 10:37	25°♁53'58	0°39'56
max. Earth dist.	-1782 Dec 31 j 01:08	24°♁15'09	20.96737 AU	max. Earth dist.	-1773 Jan 31 j 13:04	25°♁57'44	21.14048 AU
retrograde	-1781 Apr 18 j 09:03	28°♁12'38		retrograde	-1773 May 21 j 03:02	29°♁54'50	
opposition	-1781 Jul 05 j 15:06	26°♁13'35	0°-26'-7	min. Earth dist.	-1773 Aug 06 j 05:43	27°♁58'16	19.14021 AU
min. Earth dist.	-1781 Jul 04 j 12:06	26°♁16'17	18.98655 AU	opposition	-1773 Aug 07 j 05:47	27°♁55'51	0°-44'-53
direct	-1781 Sep 19 j 16:40	24°♁17'00		direct	-1773 Oct 21 j 12:10	26°♁00'05	
conjunction	-1780 Jan 03 j 01:40	28°♁10'27	0°-24'-58	conjunction	-1772 Feb 03 j 15:53	29°♁51'02	0°-41'-20
minimum elong	-1780 Jan 03 j 01:39	28°♁10'27	0°25'00	minimum elong	-1772 Feb 03 j 15:53	29°♁51'02	0°41'23
max. Earth dist.	-1780 Jan 04 j 05:11	28°♁14'26	21.00421 AU	max. Earth dist.	-1772 Feb 04 j 16:23	29°♁54'31	21.13759 AU
retrograde	-1780 Feb 04 j 21:15	0°♁		retrograde	-1772 Feb 06 j 06:51	0°♁	
min. Earth dist.	-1780 Apr 21 j 17:12	2°♁11'43		retrograde	-1772 May 24 j 10:19	3°♁52'03	
opposition	-1780 Jul 07 j 21:39	0°♁15'20	19.02182 AU	opposition	-1772 Aug 10 j 12:21	1°♁52'56	0°-46'-22
opposition	-1780 Jul 09 j 00:23	0°♁12'41	0°-29'-3	min. Earth dist.	-1772 Aug 09 j 14:11	1°♁55'09	19.13449 AU
direct	-1780 Jul 14 j 07:42	30°♁		direct	-1772 Oct 13 j 23:52	30°♁	
direct	-1780 Sep 22 j 22:36	28°♁16'16		direct	-1772 Oct 24 j 15:25	29°♁57'04	
	-1780 Nov 27 j 18:16	0°♁			-1772 Nov 04 j 08:20	0°♁	
conjunction	-1779 Jan 06 j 06:15	2°♁09'06	0°-27'-33	conjunction	-1771 Feb 06 j 21:31	3°♁48'04	0°-42'-34
minimum elong	-1779 Jan 06 j 06:14	2°♁09'06	0°27'37	minimum elong	-1771 Feb 06 j 21:31	3°♁48'04	0°42'36
max. Earth dist.	-1779 Jan 07 j 11:06	2°♁13'15	21.03767 AU	max. Earth dist.	-1771 Feb 07 j 21:59	3°♁51'33	21.12914 AU
retrograde	-1779 Apr 26 j 01:41	6°♁10'07		retrograde	-1771 May 28 j 18:26	7°♁49'14	
min. Earth dist.	-1779 Jul 12 j 05:29	4°♁13'52	19.05334 AU	opposition	-1771 Aug 14 j 18:30	5°♁49'59	0°-47'-37
opposition	-1779 Jul 13 j 09:02	4°♁11'07	0°-31'-50	min. Earth dist.	-1771 Aug 13 j 20:28	5°♁52'12	19.12332 AU
direct	-1779 Sep 27 j 05:18	2°♁14'54		direct	-1771 Oct 28 j 21:39	3°♁54'00	
conjunction	-1778 Jan 10 j 10:39	6°♁07'11	0°-30'00	conjunction	-1770 Feb 11 j 03:11	7°♁45'08	0°-43'-35
minimum elong	-1778 Jan 10 j 10:39	6°♁07'11	0°30'03	minimum elong	-1770 Feb 11 j 03:11	7°♁45'08	0°43'39
max. Earth dist.	-1778 Jan 11 j 14:37	6°♁11'11	21.06719 AU	max. Earth dist.	-1770 Feb 12 j 01:41	7°♁48'20	21.11550 AU
retrograde	-1778 Apr 30 j 09:25	10°♁08'03		retrograde	-1770 Jun 02 j 02:02	11°♁46'31	
opposition	-1778 Jul 17 j 17:16	8°♁09'06	0°-34'-27	min. Earth dist.	-1770 Aug 18 j 04:25	9°♁49'09	19.10741 AU
min. Earth dist.	-1778 Jul 16 j 14:32	8°♁11'46	19.08085 AU	opposition	-1770 Aug 19 j 00:33	9°♁47'07	0°-48'-38
direct	-1778 Oct 01 j 10:10	6°♁13'02		direct	-1770 Nov 02 j 00:56	7°♁50'58	
conjunction	-1777 Jan 14 j 15:14	10°♁04'53	0°-32'-19	conjunction	-1769 Feb 15 j 09:20	11°♁42'22	0°-44'-25
minimum elong	-1777 Jan 14 j 15:14	10°♁04'53	0°32'22	minimum elong	-1769 Feb 15 j 09:20	11°♁42'22	0°44'27
max. Earth dist.	-1777 Jan 15 j 20:10	10°♁09'01	21.09248 AU	max. Earth dist.	-1769 Feb 16 j 07:51	11°♁45'34	21.09744 AU
retrograde	-1777 May 04 j 18:13	14°♁05'38		retrograde	-1769 Apr 24 j 03:15	15°♁	
min. Earth dist.	-1777 Jul 20 j 21:54	12°♁09'27	19.10376 AU	retrograde	-1769 Jun 06 j 09:56	15°♁44'01	
opposition	-1777 Jul 22 j 01:08	12°♁06'44	0°-36'-55	min. Earth dist.	-1769 Jul 20 j 11:59	15°♁	
direct	-1777 Oct 05 j 16:19	10°♁10'50		opposition	-1769 Aug 22 j 10:16	13°♁46'30	19.08723 AU
conjunction	-1776 Jan 18 j 19:39	14°♁02'19	0°-34'-28	direct	-1769 Aug 23 j 06:23	13°♁44'28	0°-49'-26
minimum elong	-1776 Jan 18 j 19:39	14°♁02'19	0°34'30	direct	-1769 Nov 06 j 06:23	11°♁48'09	
max. Earth dist.	-1776 Jan 19 j 23:22	14°♁06'17	21.11292 AU		-1768 Feb 07 j 21:57	15°♁	
retrograde	-1776 May 08 j 01:48	18°♁03'04		conjunction	-1768 Feb 19 j 15:38	15°♁39'53	0°-45'-1
min. Earth dist.	-1776 Jul 24 j 06:57	16°♁06'46	19.12169 AU	minimum elong	-1768 Feb 19 j 15:38	15°♁39'53	0°45'04
opposition	-1776 Jul 25 j 08:51	16°♁04'11	0°-39'-12	max. Earth dist.	-1768 Feb 20 j 12:10	15°♁42'48	21.07529 AU
direct	-1776 Oct 08 j 20:16	14°♁08'23		retrograde	-1768 Jun 09 j 17:47	19°♁41'53	
conjunction	-1775 Jan 22 j 00:34	17°♁59'37	0°-36'-27	opposition	-1768 Aug 26 j 12:20	17°♁42'11	0°-50'00
minimum elong	-1775 Jan 22 j 00:34	17°♁59'37	0°36'30	min. Earth dist.	-1768 Aug 25 j 18:11	17°♁44'01	19.06318 AU
max. Earth dist.	-1775 Jan 23 j 04:44	18°♁03'39	21.12807 AU	direct	-1768 Nov 09 j 10:00	15°♁45'42	
retrograde	-1775 May 12 j 10:59	22°♁00'21		conjunction	-1767 Feb 22 j 22:41	19°♁37'53	0°-45'-25
opposition	-1775 Jul 29 j 15:56	20°♁01'29	0°-41'-18	minimum elong	-1767 Feb 22 j 22:41	19°♁37'53	0°45'27
min. Earth dist.	-1775 Jul 28 j 14:02	20°♁04'04	19.13392 AU	max. Earth dist.	-1767 Feb 23 j 19:01	19°♁40'47	21.04941 AU
direct	-1775 Oct 13 j 02:22	18°♁05'45		retrograde	-1767 Jun 14 j 02:26	23°♁40'16	
conjunction	-1774 Jan 26 j 05:30	21°♁56'50	0°-38'-16	opposition	-1767 Aug 30 j 17:59	21°♁40'27	0°-50'-19
minimum elong	-1774 Jan 26 j 05:29	21°♁56'50	0°38'18	min. Earth dist.	-1767 Aug 30 j 00:02	21°♁42'17	19.03540 AU
max. Earth dist.	-1774 Jan 27 j 07:51	22°♁00'35	21.13731 AU	direct	-1767 Nov 13 j 15:04	19°♁43'48	
retrograde	-1774 May 16 j 18:11	25°♁57'37		conjunction	-1766 Feb 27 j 06:02	23°♁36'32	0°-45'-36
opposition	-1774 Aug 02 j 23:03	23°♁58'43	0°-43'-12	minimum elong	-1766 Feb 27 j 06:02	23°♁36'32	0°45'38
min. Earth dist.	-1774 Aug 01 j 22:53	24°♁01'08	19.14018 AU	max. Earth dist.	-1766 Feb 28 j 00:13	23°♁39'07	21.01986 AU
direct	-1774 Oct 17 j 05:43	22°♁02'59		retrograde	-1766 Jun 18 j 10:24	27°♁39'24	
conjunction	-1773 Jan 30 j 10:37	25°♁53'58	0°-39'-54	min. Earth dist.	-1766 Sep 03 j 08:12	25°♁41'05	19.00409 AU
				opposition	-1766 Sep 04 j 00:01	25°♁39'28	0°-50'-24

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

direct	-1766 Nov 17 j 18:52	23° $\approx$ 42'38		opposition	-1758 Oct 06 j 08:36	28° $\approx$ 14'19	0°-42'-14
				min. Earth dist.	-1758 Oct 06 j 06:54	28° $\approx$ 14'30	18.60977 AU
conjunction	-1765 Mar 03 j 13:57	27° $\approx$ 36'02	0°-45'-34	direct	-1758 Dec 19 j 21:29	26° $\approx$ 15'18	
minimum elong	-1765 Mar 03 j 13:57	27° $\approx$ 36'02	0°45'36		-1757 Apr 01 j 11:35	0° $\approx$	
max. Earth dist.	-1765 Mar 04 j 07:49	27° $\approx$ 38'34	20.98685 AU				
	-1765 Apr 17 j 14:07	0° $\approx$		conjunction	-1757 Apr 06 j 08:45	0° $\approx$ 16'58	0°-37'-13
retrograde	-1765 Jun 22 j 20:29	1° $\approx$ 39'25		minimum elong	-1757 Apr 06 j 08:45	0° $\approx$ 16'58	0°37'13
	-1765 Aug 30 j 19:34	30° $\approx$		max. Earth dist.	-1757 Apr 06 j 10:12	0° $\approx$ 17'11	20.57714 AU
opposition	-1765 Sep 08 j 06:05	29° $\approx$ 39'23	0°-50'-15	retrograde	-1757 Jul 26 j 13:39	4° $\approx$ 26'03	
min. Earth dist.	-1765 Sep 07 j 14:36	29° $\approx$ 40'58	18.96919 AU	opposition	-1757 Oct 10 j 17:12	2° $\approx$ 24'55	0°-40'-7
direct	-1765 Nov 22 j 00:26	27° $\approx$ 42'23		min. Earth dist.	-1757 Oct 10 j 16:19	2° $\approx$ 25'01	18.54368 AU
	-1764 Feb 06 j 22:36	0° $\approx$		direct	-1757 Dec 24 j 07:28	0° $\approx$ 25'29	
conjunction	-1764 Mar 06 j 22:34	1° $\approx$ 36'32	0°-45'-19	conjunction	-1756 Apr 09 j 23:37	4° $\approx$ 28'30	0°-35'-12
minimum elong	-1764 Mar 06 j 22:35	1° $\approx$ 36'32	0°45'20	minimum elong	-1756 Apr 09 j 23:37	4° $\approx$ 28'30	0°35'13
max. Earth dist.	-1764 Mar 07 j 14:04	1° $\approx$ 38'44	20.95015 AU	max. Earth dist.	-1756 Apr 09 j 22:29	4° $\approx$ 28'20	20.50996 AU
retrograde	-1764 Jun 26 j 05:00	5° $\approx$ 40'30		retrograde	-1756 Jul 30 j 01:44	8° $\approx$ 38'24	
opposition	-1764 Sep 11 j 12:22	3° $\approx$ 40'24	0°-49'-51	opposition	-1756 Oct 14 j 02:18	6° $\approx$ 37'05	0°-37'-46
min. Earth dist.	-1764 Sep 10 j 23:25	3° $\approx$ 41'44	18.93060 AU	min. Earth dist.	-1756 Oct 14 j 04:11	6° $\approx$ 36'53	18.47565 AU
direct	-1764 Nov 25 j 04:18	1° $\approx$ 43'12		direct	-1756 Dec 27 j 15:37	4° $\approx$ 37'13	
conjunction	-1763 Mar 11 j 08:07	5° $\approx$ 38'13	0°-44'-50	conjunction	-1755 Apr 14 j 15:22	8° $\approx$ 41'39	0°-32'-58
minimum elong	-1763 Mar 11 j 08:07	5° $\approx$ 38'13	0°44'52	minimum elong	-1755 Apr 14 j 15:22	8° $\approx$ 41'39	0°32'58
max. Earth dist.	-1763 Mar 11 j 22:45	5° $\approx$ 40'18	20.90966 AU	max. Earth dist.	-1755 Apr 14 j 12:37	8° $\approx$ 41'15	20.44131 AU
retrograde	-1763 Jun 30 j 16:26	9° $\approx$ 42'50		retrograde	-1755 Aug 03 j 17:08	12° $\approx$ 52'23	
opposition	-1763 Sep 15 j 18:50	7° $\approx$ 42'39	0°-49'-12	opposition	-1755 Oct 18 j 11:53	10° $\approx$ 50'54	0°-35'-13
min. Earth dist.	-1763 Sep 15 j 06:37	7° $\approx$ 43'54	18.88796 AU	min. Earth dist.	-1755 Oct 18 j 14:27	10° $\approx$ 50'37	18.40641 AU
direct	-1763 Nov 29 j 10:57	5° $\approx$ 45'15		direct	-1754 Jan 01 j 02:49	8° $\approx$ 50'37	
conjunction	-1762 Mar 15 j 18:10	9° $\approx$ 41'12	0°-44'-8	conjunction	-1754 Apr 19 j 07:43	12° $\approx$ 56'30	0°-30'-33
minimum elong	-1762 Mar 15 j 18:10	9° $\approx$ 41'12	0°44'09	minimum elong	-1754 Apr 19 j 07:43	12° $\approx$ 56'30	0°30'34
max. Earth dist.	-1762 Mar 16 j 06:01	9° $\approx$ 42'53	20.86485 AU	max. Earth dist.	-1754 Apr 19 j 02:46	12° $\approx$ 55'47	20.37159 AU
retrograde	-1762 Jul 05 j 01:37	13° $\approx$ 46'30		retrograde	-1754 Aug 08 j 06:24	17° $\approx$ 08'07	
opposition	-1762 Sep 20 j 01:45	11° $\approx$ 46'13	0°-48'-18	opposition	-1754 Oct 22 j 22:13	15° $\approx$ 06'28	0°-32'-26
min. Earth dist.	-1762 Sep 19 j 16:22	11° $\approx$ 47'11	18.84097 AU	min. Earth dist.	-1754 Oct 23 j 03:17	15° $\approx$ 05'56	18.33649 AU
direct	-1762 Dec 03 j 15:29	9° $\approx$ 48'34		direct	-1753 Jan 05 j 12:02	13° $\approx$ 05'47	
conjunction	-1761 Mar 20 j 05:13	13° $\approx$ 45'33	0°-43'-12	conjunction	-1753 Apr 24 j 01:08	17° $\approx$ 13'11	0°-27'-57
minimum elong	-1761 Mar 20 j 05:13	13° $\approx$ 45'33	0°43'13	minimum elong	-1753 Apr 24 j 01:08	17° $\approx$ 13'11	0°27'58
max. Earth dist.	-1761 Mar 20 j 15:44	13° $\approx$ 47'03	20.81569 AU	max. Earth dist.	-1753 Apr 23 j 18:26	17° $\approx$ 12'12	20.30165 AU
retrograde	-1761 Jul 09 j 13:58	17° $\approx$ 51'33		retrograde	-1753 Aug 12 j 23:29	21° $\approx$ 25'42	
opposition	-1761 Sep 24 j 08:52	15° $\approx$ 51'09	0°-47'-9	opposition	-1753 Oct 27 j 08:55	19° $\approx$ 23'55	0°-29'-29
min. Earth dist.	-1761 Sep 24 j 00:23	15° $\approx$ 52'02	18.78944 AU	min. Earth dist.	-1753 Oct 27 j 14:41	19° $\approx$ 23'18	18.26650 AU
direct	-1761 Dec 07 j 23:27	13° $\approx$ 53'14		direct	-1752 Jan 10 j 00:23	17° $\approx$ 22'51	
conjunction	-1760 Mar 23 j 16:56	17° $\approx$ 51'17	0°-42'-2	conjunction	-1752 Apr 27 j 19:32	21° $\approx$ 31'49	0°-25'-11
minimum elong	-1760 Mar 23 j 16:56	17° $\approx$ 51'17	0°42'03	minimum elong	-1752 Apr 27 j 19:32	21° $\approx$ 31'49	0°25'11
max. Earth dist.	-1760 Mar 24 j 00:22	17° $\approx$ 52'21	20.76189 AU	max. Earth dist.	-1752 Apr 27 j 10:51	21° $\approx$ 30'33	20.23165 AU
retrograde	-1760 Jul 13 j 00:00	21° $\approx$ 58'02		retrograde	-1752 Aug 16 j 14:37	25° $\approx$ 45'15	
opposition	-1760 Sep 27 j 16:31	19° $\approx$ 57'29	0°-45'-46	opposition	-1752 Oct 30 j 20:34	23° $\approx$ 43'22	0°-26'-19
min. Earth dist.	-1760 Sep 27 j 11:02	19° $\approx$ 58'03	18.73339 AU	min. Earth dist.	-1752 Oct 31 j 04:49	23° $\approx$ 42'29	18.19663 AU
direct	-1760 Dec 11 j 05:20	17° $\approx$ 59'13		direct	-1751 Jan 13 j 11:20	21° $\approx$ 41'55	
conjunction	-1759 Mar 28 j 05:35	21° $\approx$ 58'25	0°-40'-39	conjunction	-1751 May 02 j 14:49	25° $\approx$ 52'31	0°-22'-15
minimum elong	-1759 Mar 28 j 05:35	21° $\approx$ 58'25	0°40'39	minimum elong	-1751 May 02 j 14:49	25° $\approx$ 52'31	0°22'16
max. Earth dist.	-1759 Mar 28 j 11:23	21° $\approx$ 59'15	20.70382 AU	max. Earth dist.	-1751 May 02 j 04:05	25° $\approx$ 50'56	20.16202 AU
retrograde	-1759 Jul 17 j 12:54	26° $\approx$ 05'55			-1751 Aug 05 j 03:33	0° $\approx$	
opposition	-1759 Oct 02 j 00:14	24° $\approx$ 05'11	0°-44'-7	retrograde	-1751 Aug 21 j 08:50	0° $\approx$ 06'53	
min. Earth dist.	-1759 Oct 01 j 19:42	24° $\approx$ 05'40	18.67326 AU		-1751 Sep 06 j 13:08	30° $\approx$	
direct	-1759 Dec 15 j 14:21	22° $\approx$ 06'34		opposition	-1751 Nov 04 j 08:43	28° $\approx$ 04'55	0°-22'-59
				min. Earth dist.	-1751 Nov 04 j 17:49	28° $\approx$ 03'57	18.12715 AU
conjunction	-1758 Apr 01 j 18:47	26° $\approx$ 06'58	0°-39'-2	direct	-1750 Jan 18 j 01:02	26° $\approx$ 03'07	
minimum elong	-1758 Apr 01 j 18:47	26° $\approx$ 06'58	0°39'04		-1750 May 03 j 03:36	0° $\approx$	
max. Earth dist.	-1758 Apr 01 j 21:44	26° $\approx$ 07'23	20.64192 AU				
	-1758 Jun 27 j 09:02	0° $\approx$		conjunction	-1750 May 07 j 11:08	0° $\approx$ 15'23	0°-19'-10
retrograde	-1758 Jul 21 j 23:50	0° $\approx$ 15'14		minimum elong	-1750 May 07 j 11:08	0° $\approx$ 15'23	0°19'10
	-1758 Aug 15 j 20:43	30° $\approx$		max. Earth dist.	-1750 May 06 j 22:42	0° $\approx$ 13'32	20.09264 AU

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 11

Attention, astronomical year style is used: The year -1750 in astronomical counting style is the year 1751 BCE in historical counting style.

retrograde	-1750 Aug 26 j 01:42	4°♄30'40		direct	-1743 Feb 18 j 01:31	27°♄29'26	
opposition	-1750 Nov 08 j 21:51	2°♄28'39	0°-19'-29		-1743 May 08 j 15:58	0°♄	
min. Earth dist.	-1750 Nov 09 j 09:26	2°♄27'24	18.05796 AU	max. Earth dist.	-1743 Jun 08 j 07:24	1°♄48'56	19.62203 AU
direct	-1749 Jan 22 j 14:02	0°♄26'30					
conjunction	-1749 May 12 j 08:20	4°♄40'25	0°-15'-57	conjunction	-1743 Jun 09 j 09:46	1°♄52'58	0°05'21
minimum elong	-1749 May 12 j 08:20	4°♄40'25	0°15'56	minimum elong	-1743 Jun 09 j 09:46	1°♄52'58	0°05'23
max. Earth dist.	-1749 May 11 j 17:25	4°♄38'12	20.02364 AU	behind sun begin	-1743 Jun 09 j 03:13	1°♄51'59	
retrograde	-1749 Aug 30 j 20:58	8°♄56'38		behind sun end	-1743 Jun 09 j 16:19	1°♄53'56	
opposition	-1749 Nov 13 j 11:41	6°♄54'33	0°-15'-50	retrograde	-1743 Sep 26 j 20:51	6°♄13'52	
min. Earth dist.	-1749 Nov 14 j 00:23	6°♄53'11	17.98901 AU	opposition	-1743 Dec 09 j 15:59	4°♄11'12	0°07'53
direct	-1748 Jan 27 j 05:42	4°♄52'02		min. Earth dist.	-1743 Dec 10 j 13:53	4°♄08'49	17.59199 AU
				direct	-1742 Feb 22 j 23:02	2°♄06'15	
				max. Earth dist.	-1742 Jun 13 j 10:06	6°♄27'12	19.56262 AU
conjunction	-1748 May 16 j 06:44	9°♄07'39	0°-12'-36	conjunction	-1742 Jun 14 j 12:21	6°♄31'14	0°08'57
minimum elong	-1748 May 16 j 06:44	9°♄07'38	0°12'35	minimum elong	-1742 Jun 14 j 12:20	6°♄31'14	0°08'59
behind sun begin	-1748 May 16 j 02:31	9°♄07'02		behind sun begin	-1742 Jun 14 j 06:35	6°♄30'22	
behind sun end	-1748 May 16 j 10:57	9°♄08'15		behind sun end	-1742 Jun 14 j 18:06	6°♄32'06	
max. Earth dist.	-1748 May 15 j 14:11	9°♄05'10	19.95458 AU	retrograde	-1742 Oct 01 j 19:01	10°♄52'45	
retrograde	-1748 Sep 03 j 15:10	13°♄24'44		opposition	-1742 Dec 14 j 11:20	8°♄50'01	0°11'55
opposition	-1748 Nov 17 j 02:26	11°♄22'34	0°-12'-4	min. Earth dist.	-1742 Dec 15 j 09:58	8°♄47'33	17.53458 AU
min. Earth dist.	-1748 Nov 17 j 17:34	11°♄20'56	17.92005 AU	direct	-1741 Feb 27 j 21:16	6°♄44'43	
direct	-1747 Jan 30 j 21:26	9°♄19'40		max. Earth dist.	-1741 Jun 18 j 11:00	11°♄06'42	19.50735 AU
max. Earth dist.	-1747 May 20 j 10:27	13°♄34'01	19.88579 AU				
conjunction	-1747 May 21 j 05:53	13°♄36'56	0°-9'-9	conjunction	-1741 Jun 19 j 15:15	11°♄11'03	0°12'31
minimum elong	-1747 May 21 j 05:52	13°♄36'56	0°09'08	minimum elong	-1741 Jun 19 j 15:15	11°♄11'03	0°12'33
behind sun begin	-1747 May 21 j 00:09	13°♄36'06		behind sun begin	-1741 Jun 19 j 11:00	11°♄10'25	
behind sun end	-1747 May 21 j 11:35	13°♄37'46		behind sun end	-1741 Jun 19 j 19:30	11°♄11'42	
retrograde	-1747 Jun 13 j 14:41	15°♄		retrograde	-1741 Oct 06 j 17:10	15°♄33'10	
retrograde	-1747 Sep 08 j 10:57	17°♄54'53		opposition	-1741 Dec 19 j 07:33	13°♄30'23	0°15'52
opposition	-1747 Nov 21 j 18:00	15°♄52'38	0°-8'-11	min. Earth dist.	-1741 Dec 20 j 07:06	13°♄27'48	17.48174 AU
min. Earth dist.	-1747 Nov 22 j 10:16	15°♄50'52	17.85150 AU	direct	-1740 Mar 03 j 20:01	11°♄24'44	
direct	-1747 Dec 12 j 16:13	15°♄		conjunction	-1740 Jun 23 j 18:46	15°♄52'23	0°16'02
direct	-1746 Feb 04 j 15:09	13°♄49'19		minimum elong	-1740 Jun 23 j 18:46	15°♄52'23	0°16'05
max. Earth dist.	-1746 Mar 29 j 10:14	15°♄		max. Earth dist.	-1740 Jun 22 j 15:00	15°♄48'06	19.45688 AU
max. Earth dist.	-1746 May 25 j 09:15	18°♄05'07	19.81745 AU	retrograde	-1740 Oct 10 j 16:54	20°♄15'01	
conjunction	-1746 May 26 j 05:46	18°♄08'13	0°-5'-38	opposition	-1740 Dec 23 j 04:29	18°♄12'14	0°19'45
minimum elong	-1746 May 26 j 05:45	18°♄08'13	0°05'38	min. Earth dist.	-1740 Dec 24 j 04:02	18°♄09'39	17.43388 AU
behind sun begin	-1746 May 25 j 23:14	18°♄07'15		direct	-1739 Mar 08 j 19:58	16°♄06'19	
behind sun end	-1746 May 26 j 12:16	18°♄09'10		conjunction	-1739 Jun 28 j 22:32	20°♄35'11	0°19'27
retrograde	-1746 Sep 13 j 06:36	22°♄26'58		minimum elong	-1739 Jun 28 j 22:32	20°♄35'11	0°19'29
opposition	-1746 Nov 26 j 10:26	20°♄24'36	0°-4'-13	max. Earth dist.	-1739 Jun 27 j 17:25	20°♄30'40	19.41175 AU
min. Earth dist.	-1746 Nov 27 j 04:40	20°♄22'38	17.78363 AU	retrograde	-1739 Oct 15 j 16:17	24°♄58'18	
direct	-1745 Feb 09 j 09:28	18°♄20'54		opposition	-1739 Dec 28 j 02:17	22°♄55'32	0°23'30
max. Earth dist.	-1745 May 30 j 07:04	22°♄37'50	19.75027 AU	min. Earth dist.	-1739 Dec 29 j 02:39	22°♄52'52	17.39173 AU
conjunction	-1745 May 31 j 06:25	22°♄41'22	0°-2'-2	direct	-1738 Mar 13 j 19:12	20°♄49'24	
minimum elong	-1745 May 31 j 06:25	22°♄41'22	0°02'01	max. Earth dist.	-1738 Jul 02 j 22:08	25°♄14'58	19.37244 AU
behind sun begin	-1745 May 30 j 23:37	22°♄40'22		conjunction	-1738 Jul 04 j 02:36	25°♄19'24	0°22'46
behind sun end	-1745 May 31 j 13:12	22°♄42'22		minimum elong	-1738 Jul 04 j 02:35	25°♄19'24	0°22'48
retrograde	-1745 Sep 18 j 02:49	27°♄00'53		retrograde	-1738 Oct 20 j 17:43	29°♄42'56	
opposition	-1745 Dec 01 j 03:25	24°♄58'25	0°00'-11	opposition	-1737 Jan 02 j 00:44	27°♄40'15	0°27'08
min. Earth dist.	-1745 Dec 01 j 22:51	24°♄56'18	17.71733 AU	min. Earth dist.	-1737 Jan 03 j 00:37	27°♄37'38	17.35519 AU
asc. node	-1745 Dec 19 j 21:14	24°♄10'44		direct	-1737 Mar 18 j 20:42	25°♄33'58	
direct	-1744 Feb 14 j 05:09	22°♄54'16		max. Earth dist.	-1737 Jul 07 j 23:15	0°♄	
max. Earth dist.	-1744 Jun 03 j 08:03	27°♄12'41	19.68485 AU	max. Earth dist.	-1737 Jul 08 j 01:54	0°♄00'25	19.33868 AU
conjunction	-1744 Jun 04 j 07:58	27°♄16'19	0°01'42	conjunction	-1737 Jul 09 j 07:04	0°♄04'59	0°25'56
minimum elong	-1744 Jun 04 j 07:58	27°♄16'19	0°01'43	minimum elong	-1737 Jul 09 j 07:04	0°♄04'58	0°25'59
behind sun begin	-1744 Jun 04 j 01:10	27°♄15'19		retrograde	-1737 Oct 25 j 17:30	4°♄28'52	
behind sun end	-1744 Jun 04 j 14:45	27°♄17'19		opposition	-1736 Jan 06 j 23:53	2°♄26'16	0°30'36
retrograde	-1744 Jul 22 j 10:17	0°♄		min. Earth dist.	-1736 Jan 08 j 00:50	2°♄23'32	17.32429 AU
retrograde	-1744 Sep 21 j 23:48	1°♄36'32		direct	-1736 Mar 22 j 20:27	0°♄19'52	
opposition	-1744 Dec 04 j 21:21	29°♄33'59	0°03'51	max. Earth dist.	-1736 Jul 12 j 06:59	4°♄47'16	19.31046 AU
min. Earth dist.	-1744 Dec 05 j 18:13	29°♄31'42	17.65310 AU				

Attention, astronomical year style is used: The year -1736 in astronomical counting style is the year 1737 BCE in historical counting style.

conjunction	-1736 Jul 13 j 11:48	4°♅51'47	0°28'57	minimum elong	-1728 Aug 21 j 20:26	13°♁22'31	0°44'29
minimum elong	-1736 Jul 13 j 11:48	4°♅51'47	0°28'59	max. Earth dist.	-1728 Aug 20 j 20:57	13°♁18'47	19.26646 AU
retrograde	-1736 Oct 29 j 19:49	9°♅15'58			-1728 Sep 17 j 00:10	15°♁	
opposition	-1735 Jan 10 j 23:49	7°♅13'28	0°33'52	retrograde	-1728 Dec 07 j 01:00	17°♁45'40	
min. Earth dist.	-1735 Jan 11 j 23:58	7°♅10'49	17.29864 AU	opposition	-1727 Feb 18 j 16:00	15°♁43'38	0°49'59
direct	-1735 Mar 28 j 00:03	5°♅06'59		min. Earth dist.	-1727 Feb 19 j 11:29	15°♁41'31	17.27600 AU
max. Earth dist.	-1735 Jul 17 j 11:45	9°♅35'07	19.28728 AU		-1727 Mar 07 j 19:49	15°♁	
				direct	-1727 May 06 j 12:48	13°♁37'03	
					-1727 Jul 02 j 19:45	15°♁	
conjunction	-1735 Jul 18 j 16:31	9°♅39'38	0°31'47				
minimum elong	-1735 Jul 18 j 16:31	9°♅39'38	0°31'49				
retrograde	-1735 Nov 03 j 19:32	14°♅04'01		conjunction	-1727 Aug 26 j 22:17	18°♁09'45	0°45'05
opposition	-1734 Jan 16 j 00:31	12°♅01'36	0°36'54	minimum elong	-1727 Aug 26 j 22:17	18°♁09'45	0°45'07
min. Earth dist.	-1734 Jan 17 j 01:39	11°♅58'51	17.27807 AU	max. Earth dist.	-1727 Aug 26 j 01:50	18°♁06'30	19.28633 AU
direct	-1734 Apr 02 j 01:29	9°♅55'03		retrograde	-1727 Dec 12 j 01:16	22°♁32'26	
				opposition	-1726 Feb 23 j 18:57	20°♁30'27	0°50'30
conjunction	-1734 Jul 23 j 21:19	14°♅28'17	0°34'23	min. Earth dist.	-1726 Feb 24 j 13:00	20°♁28'31	17.29905 AU
minimum elong	-1734 Jul 23 j 21:19	14°♅28'17	0°34'25	direct	-1726 May 11 j 17:39	18°♁24'02	
max. Earth dist.	-1734 Jul 22 j 16:32	14°♅23'45	19.26915 AU				
retrograde	-1734 Nov 08 j 21:30	18°♅52'45		conjunction	-1726 Aug 31 j 23:27	22°♁56'03	0°45'24
opposition	-1733 Jan 21 j 01:30	16°♅50'25	0°39'42	minimum elong	-1726 Aug 31 j 23:27	22°♁56'03	0°45'24
min. Earth dist.	-1733 Jan 22 j 01:34	16°♅47'47	17.26232 AU	max. Earth dist.	-1726 Aug 31 j 03:57	22°♁52'57	19.31275 AU
direct	-1733 Apr 07 j 07:04	14°♅43'48		retrograde	-1726 Dec 17 j 00:44	27°♁18'12	
max. Earth dist.	-1733 Jul 27 j 22:09	19°♅13'03	19.25571 AU	opposition	-1725 Feb 28 j 21:38	25°♁16'20	0°50'41
				min. Earth dist.	-1725 Mar 01 j 13:50	25°♁14'36	17.32879 AU
conjunction	-1733 Jul 29 j 02:12	19°♅17'29	0°36'46	direct	-1725 May 16 j 21:09	23°♁10'07	
minimum elong	-1733 Jul 29 j 02:12	19°♅17'29	0°36'47	max. Earth dist.	-1725 Sep 05 j 07:36	27°♁38'45	19.34576 AU
retrograde	-1733 Nov 13 j 21:07	23°♅41'57					
opposition	-1732 Jan 26 j 03:18	21°♅39'41	0°42'12	conjunction	-1725 Sep 06 j 00:03	27°♁41'21	0°45'24
min. Earth dist.	-1732 Jan 27 j 04:06	21°♅36'59	17.25133 AU	minimum elong	-1725 Sep 06 j 00:03	27°♁41'21	0°45'26
direct	-1732 Apr 11 j 10:15	19°♅33'01			-1725 Oct 14 j 07:03	0°♁	
max. Earth dist.	-1732 Aug 01 j 02:28	24°♅02'29	19.24719 AU	retrograde	-1725 Dec 22 j 00:58	2°♁02'55	
				opposition	-1724 Mar 05 j 00:26	0°♁01'12	0°50'30
conjunction	-1732 Aug 02 j 06:39	24°♅06'57	0°38'53		-1724 Mar 05 j 11:41	30°♁	
minimum elong	-1732 Aug 02 j 06:39	24°♅06'56	0°38'55	min. Earth dist.	-1724 Mar 05 j 14:34	29°♁59'41	17.36476 AU
retrograde	-1732 Nov 17 j 22:59	28°♅31'19		direct	-1724 May 21 j 02:03	27°♁55'18	
opposition	-1731 Jan 30 j 05:20	26°♅29'07	0°44'25		-1724 Jul 31 j 11:52	0°♁	
min. Earth dist.	-1731 Jan 31 j 04:42	26°♅26'34	17.24527 AU				
direct	-1731 Apr 16 j 17:12	24°♅22'25		conjunction	-1724 Sep 09 j 23:38	2°♁25'35	0°45'06
max. Earth dist.	-1731 Aug 06 j 08:28	28°♅52'14	19.24366 AU	minimum elong	-1724 Sep 09 j 23:38	2°♁25'35	0°45'07
				max. Earth dist.	-1724 Sep 09 j 08:40	2°♁23'13	19.38482 AU
conjunction	-1731 Aug 07 j 10:57	28°♅56'25	0°40'43	retrograde	-1724 Dec 25 j 23:22	6°♁46'34	
minimum elong	-1731 Aug 07 j 10:57	28°♅56'25	0°40'44	opposition	-1723 Mar 10 j 03:07	4°♁45'01	0°49'59
	-1731 Aug 24 j 07:25	0°♁		min. Earth dist.	-1723 Mar 10 j 15:37	4°♁43'41	17.40670 AU
retrograde	-1731 Nov 22 j 22:40	3°♁20'37		direct	-1723 May 26 j 04:49	2°♁39'27	
opposition	-1730 Feb 04 j 07:47	1°♁18'27	0°46'19				
min. Earth dist.	-1730 Feb 05 j 07:22	1°♁15'54	17.24438 AU	conjunction	-1723 Sep 14 j 22:38	7°♁08'43	0°44'30
	-1730 Mar 08 j 18:09	30°♁		minimum elong	-1723 Sep 14 j 22:38	7°♁08'43	0°44'31
direct	-1730 Apr 21 j 21:17	29°♁11'45		max. Earth dist.	-1723 Sep 14 j 10:26	7°♁06'47	19.42950 AU
	-1730 Jun 04 j 00:26	0°♁		retrograde	-1723 Dec 30 j 22:51	11°♁29'01	
conjunction	-1730 Aug 12 j 14:35	3°♁45'40	0°42'16	opposition	-1722 Mar 15 j 05:23	9°♁27'40	0°49'08
minimum elong	-1730 Aug 12 j 14:35	3°♁45'40	0°42'18	min. Earth dist.	-1722 Mar 15 j 15:30	9°♁26'35	17.45372 AU
max. Earth dist.	-1730 Aug 11 j 12:09	3°♁41'28	19.24554 AU	direct	-1722 May 31 j 09:35	7°♁22'28	
retrograde	-1730 Nov 28 j 00:10	8°♁09'36					
opposition	-1729 Feb 09 j 10:19	6°♁07'28	0°47'53	conjunction	-1722 Sep 19 j 20:45	11°♁50'35	0°43'36
min. Earth dist.	-1729 Feb 10 j 08:15	6°♁05'05	17.24900 AU	minimum elong	-1722 Sep 19 j 20:45	11°♁50'35	0°43'38
direct	-1729 Apr 27 j 03:26	4°♁00'45		max. Earth dist.	-1722 Sep 19 j 10:16	11°♁48'56	19.47883 AU
				retrograde	-1721 Jan 04 j 19:55	16°♁10'12	
conjunction	-1729 Aug 17 j 17:55	8°♁34'26	0°43'31	opposition	-1721 Mar 20 j 07:36	14°♁09'01	0°47'58
minimum elong	-1729 Aug 17 j 17:55	8°♁34'26	0°43'33	min. Earth dist.	-1721 Mar 20 j 16:30	14°♁08'04	17.50517 AU
max. Earth dist.	-1729 Aug 16 j 17:55	8°♁30'38	19.25298 AU	direct	-1721 Jun 05 j 11:29	12°♁04'12	
retrograde	-1729 Dec 03 j 00:18	12°♁58'00					
opposition	-1728 Feb 14 j 13:07	10°♁55'55	0°49'06	conjunction	-1721 Sep 24 j 18:01	16°♁31'05	0°42'25
min. Earth dist.	-1728 Feb 15 j 10:33	10°♁53'36	17.25933 AU	minimum elong	-1721 Sep 24 j 18:01	16°♁31'05	0°42'25
direct	-1728 May 01 j 08:01	8°♁49'15		max. Earth dist.	-1721 Sep 24 j 09:49	16°♁29'47	19.53222 AU
				retrograde	-1720 Jan 09 j 18:13	20°♁49'56	
conjunction	-1728 Aug 21 j 20:26	13°♁22'31	0°44'28	opposition	-1720 Mar 24 j 09:25	18°♁48'56	0°46'28
				min. Earth dist.	-1720 Mar 24 j 15:35	18°♁48'17	17.56016 AU

Attention, astronomical year style is used: The year -1720 in astronomical counting style is the year 1721 BCE in historical counting style.

direct	-1720 Jun 09 j 15:57	16° $\mathbb{M}$ 44'31		direct	-1712 Jul 17 j 07:46	22° $\mathbb{L}$ 57'58	
conjunction	-1720 Sep 28 j 14:29	21° $\mathbb{M}$ 10'02	0°40'57	conjunction	-1712 Nov 02 j 23:09	27° $\mathbb{L}$ 10'32	0°21'31
minimum elong	-1720 Sep 28 j 14:29	21° $\mathbb{M}$ 10'02	0°40'58	minimum elong	-1712 Nov 02 j 23:09	27° $\mathbb{L}$ 10'32	0°21'31
max. Earth dist.	-1720 Sep 28 j 08:22	21° $\mathbb{M}$ 09'05	19.58881 AU	max. Earth dist.	-1712 Nov 03 j 10:30	27° $\mathbb{L}$ 12'16	20.11427 AU
retrograde	-1719 Jan 13 j 13:49	25° $\mathbb{M}$ 28'06		retrograde	-1712 Dec 23 j 16:16	0° $\mathbb{M}$	
opposition	-1719 Mar 29 j 10:58	23° $\mathbb{M}$ 27'15	0°44'41	retrograde	-1711 Feb 18 j 12:00	1° $\mathbb{M}$ 21'17	
min. Earth dist.	-1719 Mar 29 j 16:06	23° $\mathbb{M}$ 26'43	17.61825 AU	retrograde	-1711 Apr 19 j 20:40	30° $\mathbb{R}$ $\mathbb{L}$	
direct	-1719 Jun 14 j 16:44	21° $\mathbb{M}$ 23'14		opposition	-1711 May 05 j 23:02	29° $\mathbb{L}$ 21'10	0°22'11
conjunction	-1719 Oct 03 j 09:55	25° $\mathbb{M}$ 47'18	0°39'14	min. Earth dist.	-1711 May 05 j 11:32	29° $\mathbb{L}$ 22'21	18.15046 AU
minimum elong	-1719 Oct 03 j 09:55	25° $\mathbb{M}$ 47'18	0°39'14	direct	-1711 Jul 22 j 01:54	27° $\mathbb{L}$ 20'08	
max. Earth dist.	-1719 Oct 03 j 05:37	25° $\mathbb{M}$ 46'37	19.64822 AU	direct	-1711 Oct 12 j 22:07	0° $\mathbb{M}$	
retrograde	-1718 Jan 05 j 14:48	0° $\mathbb{L}$		conjunction	-1711 Nov 07 j 10:55	1° $\mathbb{M}$ 31'03	0°18'26
retrograde	-1718 Jan 18 j 10:56	0° $\mathbb{L}$ 04'31		minimum elong	-1711 Nov 07 j 10:55	1° $\mathbb{M}$ 31'03	0°18'25
retrograde	-1718 Jan 31 j 10:46	30° $\mathbb{R}$ $\mathbb{M}$		max. Earth dist.	-1711 Nov 07 j 23:21	1° $\mathbb{M}$ 32'56	20.18718 AU
opposition	-1718 Apr 03 j 11:49	28° $\mathbb{M}$ 03'49	0°42'37	retrograde	-1710 Feb 23 j 03:57	5° $\mathbb{M}$ 40'56	
min. Earth dist.	-1718 Apr 03 j 14:03	28° $\mathbb{M}$ 03'34	17.67866 AU	opposition	-1710 May 10 j 18:03	3° $\mathbb{M}$ 40'57	0°18'41
direct	-1718 Jun 19 j 19:20	26° $\mathbb{M}$ 00'10		min. Earth dist.	-1710 May 10 j 03:53	3° $\mathbb{M}$ 42'24	18.22372 AU
conjunction	-1718 Oct 02 j 02:50	0° $\mathbb{L}$		direct	-1710 Jul 26 j 20:36	1° $\mathbb{M}$ 40'22	
conjunction	-1718 Oct 08 j 04:35	0° $\mathbb{L}$ 22'43	0°37'16	conjunction	-1710 Nov 11 j 22:03	5° $\mathbb{M}$ 49'41	0°15'16
minimum elong	-1718 Oct 08 j 04:35	0° $\mathbb{L}$ 22'43	0°37'15	minimum elong	-1710 Nov 11 j 22:03	5° $\mathbb{M}$ 49'41	0°15'15
max. Earth dist.	-1718 Oct 08 j 02:36	0° $\mathbb{L}$ 22'24	19.70962 AU	behind sun begin	-1710 Nov 11 j 19:41	5° $\mathbb{M}$ 49'20	
retrograde	-1717 Jan 23 j 05:10	4° $\mathbb{L}$ 39'03		behind sun end	-1710 Nov 12 j 00:25	5° $\mathbb{M}$ 50'02	
opposition	-1717 Apr 08 j 12:10	2° $\mathbb{L}$ 38'27	0°40'17	max. Earth dist.	-1710 Nov 12 j 13:31	5° $\mathbb{M}$ 52'01	20.26053 AU
min. Earth dist.	-1717 Apr 08 j 13:34	2° $\mathbb{L}$ 38'19	17.74099 AU	retrograde	-1709 Feb 27 j 17:06	9° $\mathbb{M}$ 58'43	
direct	-1717 Jun 24 j 18:29	0° $\mathbb{L}$ 35'11		opposition	-1709 May 15 j 12:24	7° $\mathbb{M}$ 58'53	0°15'07
conjunction	-1717 Oct 12 j 22:11	4° $\mathbb{L}$ 56'08	0°35'05	min. Earth dist.	-1709 May 14 j 21:02	8° $\mathbb{M}$ 00'27	18.29703 AU
minimum elong	-1717 Oct 12 j 22:11	4° $\mathbb{L}$ 56'08	0°35'05	direct	-1709 Jul 31 j 13:23	5° $\mathbb{M}$ 58'46	
max. Earth dist.	-1717 Oct 12 j 21:41	4° $\mathbb{L}$ 56'04	19.77293 AU	conjunction	-1709 Nov 16 j 08:21	10° $\mathbb{M}$ 06'31	0°12'03
retrograde	-1716 Jan 28 j 01:14	9° $\mathbb{L}$ 11'34		minimum elong	-1709 Nov 16 j 08:20	10° $\mathbb{M}$ 06'31	0°12'01
opposition	-1716 Apr 12 j 11:51	7° $\mathbb{L}$ 11'03	0°37'43	behind sun begin	-1709 Nov 16 j 03:47	10° $\mathbb{M}$ 05'50	
min. Earth dist.	-1716 Apr 12 j 10:11	7° $\mathbb{L}$ 11'14	17.80503 AU	behind sun end	-1709 Nov 16 j 12:54	10° $\mathbb{M}$ 07'11	
direct	-1716 Jun 28 j 19:03	5° $\mathbb{L}$ 08'08		max. Earth dist.	-1709 Nov 17 j 00:33	10° $\mathbb{M}$ 08'57	20.33373 AU
conjunction	-1716 Oct 16 j 14:43	9° $\mathbb{L}$ 27'27	0°32'41	retrograde	-1708 Mar 03 j 07:35	14° $\mathbb{M}$ 14'44	
minimum elong	-1716 Oct 16 j 14:43	9° $\mathbb{L}$ 27'27	0°32'40	opposition	-1708 May 19 j 06:03	12° $\mathbb{M}$ 15'04	0°11'30
max. Earth dist.	-1716 Oct 16 j 17:02	9° $\mathbb{L}$ 27'48	19.83778 AU	min. Earth dist.	-1708 May 18 j 12:30	12° $\mathbb{M}$ 16'50	18.36993 AU
retrograde	-1715 Jan 31 j 18:02	13° $\mathbb{L}$ 41'56		direct	-1708 Aug 04 j 05:39	10° $\mathbb{M}$ 15'23	
opposition	-1715 Apr 17 j 10:58	11° $\mathbb{L}$ 41'29	0°34'56	conjunction	-1708 Nov 19 j 18:04	14° $\mathbb{M}$ 21'37	0°08'46
min. Earth dist.	-1715 Apr 17 j 08:18	11° $\mathbb{L}$ 41'46	17.87070 AU	minimum elong	-1708 Nov 19 j 18:04	14° $\mathbb{M}$ 21'37	0°08'45
direct	-1715 Jul 03 j 16:29	9° $\mathbb{L}$ 38'55		behind sun begin	-1708 Nov 19 j 12:23	14° $\mathbb{M}$ 20'47	
conjunction	-1715 Oct 21 j 06:15	13° $\mathbb{L}$ 56'32	0°30'07	behind sun end	-1708 Nov 19 j 23:45	14° $\mathbb{M}$ 22'27	
minimum elong	-1715 Oct 21 j 06:15	13° $\mathbb{L}$ 56'32	0°30'07	max. Earth dist.	-1708 Nov 20 j 13:02	14° $\mathbb{M}$ 24'27	20.40596 AU
max. Earth dist.	-1715 Oct 21 j 09:57	13° $\mathbb{L}$ 57'06	19.90435 AU	retrograde	-1708 Nov 30 j 10:34	15° $\mathbb{M}$	
retrograde	-1714 Feb 05 j 13:01	18° $\mathbb{L}$ 10'04		retrograde	-1707 Mar 07 j 20:10	18° $\mathbb{M}$ 29'03	
opposition	-1714 Apr 22 j 08:57	16° $\mathbb{L}$ 09'41	0°31'58	opposition	-1707 May 23 j 22:58	16° $\mathbb{M}$ 29'32	0°07'50
min. Earth dist.	-1714 Apr 22 j 03:12	16° $\mathbb{L}$ 10'16	17.93810 AU	min. Earth dist.	-1707 May 23 j 04:21	16° $\mathbb{M}$ 31'25	18.44137 AU
direct	-1714 Jul 08 j 15:00	14° $\mathbb{L}$ 07'26		direct	-1707 Jul 04 j 16:11	15° $\mathbb{R}$ $\mathbb{M}$	
conjunction	-1714 Oct 25 j 20:53	18° $\mathbb{L}$ 23'23	0°27'23	direct	-1707 Aug 08 j 21:02	14° $\mathbb{M}$ 30'17	
minimum elong	-1714 Oct 25 j 20:53	18° $\mathbb{L}$ 23'23	0°27'21	direct	-1707 Sep 12 j 00:37	15° $\mathbb{M}$	
max. Earth dist.	-1714 Oct 26 j 03:40	18° $\mathbb{L}$ 24'25	19.97256 AU	conjunction	-1707 Nov 24 j 03:07	18° $\mathbb{M}$ 35'02	0°05'29
retrograde	-1713 Feb 10 j 04:15	22° $\mathbb{L}$ 35'57		minimum elong	-1707 Nov 24 j 03:06	18° $\mathbb{M}$ 35'02	0°05'26
opposition	-1713 Apr 27 j 06:29	20° $\mathbb{L}$ 35'38	0°28'50	behind sun begin	-1707 Nov 23 j 20:47	18° $\mathbb{M}$ 34'07	
min. Earth dist.	-1713 Apr 26 j 23:29	20° $\mathbb{L}$ 36'22	18.00721 AU	behind sun end	-1707 Nov 24 j 09:24	18° $\mathbb{M}$ 35'57	
direct	-1713 Jul 13 j 10:51	18° $\mathbb{L}$ 33'47		max. Earth dist.	-1707 Nov 24 j 22:20	18° $\mathbb{M}$ 37'55	20.47644 AU
conjunction	-1713 Oct 30 j 10:20	22° $\mathbb{L}$ 48'01	0°24'31	retrograde	-1706 Mar 12 j 08:53	22° $\mathbb{M}$ 41'44	
minimum elong	-1713 Oct 30 j 10:20	22° $\mathbb{L}$ 48'01	0°24'30	opposition	-1706 May 28 j 14:56	20° $\mathbb{M}$ 42'21	0°04'09
max. Earth dist.	-1713 Oct 30 j 18:29	22° $\mathbb{L}$ 49'15	20.04262 AU	min. Earth dist.	-1706 May 27 j 18:51	20° $\mathbb{M}$ 44'22	18.51080 AU
retrograde	-1712 Feb 14 j 21:49	26° $\mathbb{L}$ 59'40		direct	-1706 Aug 13 j 11:07	18° $\mathbb{M}$ 43'30	
opposition	-1712 May 01 j 03:08	24° $\mathbb{L}$ 59'26	0°25'34	conjunction	-1706 Nov 28 j 11:44	22° $\mathbb{M}$ 46'51	0°02'09
min. Earth dist.	-1712 Apr 30 j 16:59	25° $\mathbb{L}$ 00'28	18.07813 AU	minimum elong	-1706 Nov 28 j 11:44	22° $\mathbb{M}$ 46'51	0°02'07
				behind sun begin	-1706 Nov 28 j 05:12	22° $\mathbb{M}$ 45'54	

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 14

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

behind sun end	-1706 Nov 28 j 18:16	22°M.47'48		direct	-1699 Sep 11 j 17:29	17°Z.30'54	
max. Earth dist.	-1706 Nov 29 j 09:15	22°M.50'03	20.54444 AU				
retrograde	-1705 Mar 16 j 20:46	26°M.52'49		conjunction	-1699 Dec 26 j 08:08	21°Z.25'58	0°-19'-59
min. Earth dist.	-1705 Jun 01 j 09:22	24°M.55'40	18.57732 AU	minimum elong	-1699 Dec 26 j 08:08	21°Z.25'58	0°20'02
opposition	-1705 Jun 02 j 06:23	24°M.53'33	0°00'27	max. Earth dist.	-1699 Dec 27 j 10:48	21°Z.29'50	20.92632 AU
desc. node	-1705 Jul 18 j 02:32	23°M.18'14		retrograde	-1698 Apr 14 j 16:16	25°Z.27'53	
direct	-1705 Aug 18 j 01:15	22°M.55'05		opposition	-1698 Jul 01 j 21:02	23°Z.28'50	0°-23'-40
				min. Earth dist.	-1698 Jun 30 j 18:39	23°Z.31'27	18.94808 AU
conjunction	-1705 Dec 02 j 19:29	26°M.57'03	0°-1'-16	direct	-1698 Sep 16 j 00:07	21°Z.32'04	
minimum elong	-1705 Dec 02 j 19:30	26°M.57'03	0°01'18				
behind sun begin	-1705 Dec 02 j 12:59	26°M.56'06		conjunction	-1698 Dec 30 j 13:00	25°Z.26'19	0°-22'-48
behind sun end	-1705 Dec 03 j 02:02	26°M.57'59		minimum elong	-1698 Dec 30 j 13:00	25°Z.26'19	0°22'50
max. Earth dist.	-1705 Dec 03 j 17:00	27°M.00'14	20.60935 AU	max. Earth dist.	-1698 Dec 31 j 17:23	25°Z.30'25	20.96833 AU
	-1704 Jan 29 j 19:00	0°Z.		retrograde	-1697 Apr 19 j 00:33	29°Z.27'52	
retrograde	-1704 Mar 20 j 08:07	1°Z.02'20		min. Earth dist.	-1697 Jul 05 j 03:22	27°Z.31'34	18.98846 AU
	-1704 May 12 j 06:37	30°R.M.		opposition	-1697 Jul 06 j 06:43	27°Z.28'51	0°-26'-42
opposition	-1704 Jun 05 j 21:08	29°M.03'09	0°-3'-11	direct	-1697 Sep 20 j 08:26	25°Z.32'18	
min. Earth dist.	-1704 Jun 04 j 23:04	29°M.05'22	18.64061 AU				
direct	-1704 Aug 21 j 13:33	27°M.05'00		conjunction	-1696 Jan 03 j 17:25	29°Z.25'47	0°-25'-29
	-1704 Nov 17 j 09:26	0°Z.		minimum elong	-1696 Jan 03 j 17:25	29°Z.25'47	0°25'32
				max. Earth dist.	-1696 Jan 04 j 21:18	29°Z.29'49	21.00705 AU
conjunction	-1704 Dec 06 j 03:02	1°Z.05'39	0°-4'-35		-1696 Jan 13 j 15:06	0°Z.	
minimum elong	-1704 Dec 06 j 03:01	1°Z.05'39	0°04'37	retrograde	-1696 Apr 22 j 08:55	3°Z.27'03	
behind sun begin	-1704 Dec 05 j 20:37	1°Z.04'44		opposition	-1696 Jul 09 j 16:00	1°Z.28'05	0°-29'-36
behind sun end	-1704 Dec 06 j 09:25	1°Z.06'34		min. Earth dist.	-1696 Jul 08 j 12:55	1°Z.30'47	19.02548 AU
max. Earth dist.	-1704 Dec 07 j 02:31	1°Z.09'07	20.67074 AU		-1696 Aug 20 j 08:39	30°R.Z.	
retrograde	-1703 Mar 24 j 18:40	5°Z.10'16		direct	-1696 Sep 23 j 13:25	29°Z.31'45	
min. Earth dist.	-1703 Jun 09 j 11:59	3°Z.13'26	18.70013 AU		-1696 Oct 26 j 23:10	0°Z.	
opposition	-1703 Jun 10 j 10:54	3°Z.11'08	0°-6'-49				
direct	-1703 Aug 26 j 02:10	1°Z.13'17		conjunction	-1695 Jan 06 j 22:04	3°Z.24'35	0°-28'-2
				minimum elong	-1695 Jan 06 j 22:04	3°Z.24'35	0°28'05
conjunction	-1703 Dec 10 j 09:47	5°Z.12'40	0°-7'-48	max. Earth dist.	-1695 Jan 08 j 03:18	3°Z.28'47	21.04211 AU
minimum elong	-1703 Dec 10 j 09:47	5°Z.12'40	0°07'50	retrograde	-1695 Apr 26 j 17:11	7°Z.25'35	
behind sun begin	-1703 Dec 10 j 03:53	5°Z.11'49		min. Earth dist.	-1695 Jul 12 j 20:52	5°Z.29'26	19.05847 AU
behind sun end	-1703 Dec 10 j 15:41	5°Z.13'30		opposition	-1695 Jul 14 j 00:30	5°Z.26'41	0°-32'-21
max. Earth dist.	-1703 Dec 11 j 09:00	5°Z.16'05	20.72844 AU	direct	-1695 Sep 27 j 20:56	3°Z.30'32	
retrograde	-1702 Mar 29 j 04:53	9°Z.16'39					
min. Earth dist.	-1702 Jun 14 j 00:27	7°Z.19'53	18.75609 AU	conjunction	-1694 Jan 11 j 02:28	7°Z.22'48	0°-30'-28
opposition	-1702 Jun 15 j 00:01	7°Z.17'32	0°-10'-22	minimum elong	-1694 Jan 11 j 02:28	7°Z.22'48	0°30'31
direct	-1702 Aug 30 j 12:42	5°Z.19'54		max. Earth dist.	-1694 Jan 12 j 06:42	7°Z.26'51	21.07295 AU
				retrograde	-1694 May 01 j 01:27	11°Z.23'38	
conjunction	-1702 Dec 14 j 16:02	9°Z.18'06	0°-10'-58	min. Earth dist.	-1694 Jul 17 j 06:00	9°Z.27'27	19.08713 AU
minimum elong	-1702 Dec 14 j 16:02	9°Z.18'06	0°11'02	opposition	-1694 Jul 18 j 08:51	9°Z.24'46	0°-34'-57
behind sun begin	-1702 Dec 14 j 11:04	9°Z.17'23		direct	-1694 Oct 02 j 01:19	7°Z.28'47	
behind sun end	-1702 Dec 14 j 20:59	9°Z.18'48					
max. Earth dist.	-1702 Dec 15 j 17:15	9°Z.21'48	20.78255 AU	conjunction	-1693 Jan 15 j 06:57	11°Z.20'36	0°-32'-44
retrograde	-1701 Apr 02 j 13:52	13°Z.21'28		minimum elong	-1693 Jan 15 j 06:57	11°Z.20'36	0°32'47
min. Earth dist.	-1701 Jun 18 j 11:44	11°Z.24'50	18.80851 AU	max. Earth dist.	-1693 Jan 16 j 12:07	11°Z.24'46	21.09914 AU
opposition	-1701 Jun 19 j 12:21	11°Z.22'22	0°-13'-51	retrograde	-1693 May 05 j 09:36	15°Z.21'18	
direct	-1701 Sep 03 j 23:32	9°Z.24'59		opposition	-1693 Jul 22 j 16:45	13°Z.22'28	0°-37'-22
				min. Earth dist.	-1693 Jul 21 j 13:37	13°Z.25'11	19.11073 AU
conjunction	-1701 Dec 18 j 21:43	13°Z.22'02	0°-14'-4	direct	-1693 Oct 06 j 08:03	11°Z.26'37	
minimum elong	-1701 Dec 18 j 21:43	13°Z.22'02	0°14'07				
behind sun begin	-1701 Dec 18 j 18:22	13°Z.21'34		conjunction	-1692 Jan 19 j 11:31	15°Z.18'03	0°-34'-51
behind sun end	-1701 Dec 19 j 01:05	13°Z.22'31		minimum elong	-1692 Jan 19 j 11:31	15°Z.18'03	0°34'54
max. Earth dist.	-1701 Dec 19 j 22:48	13°Z.25'42	20.83342 AU	max. Earth dist.	-1692 Jan 20 j 15:13	15°Z.22'00	21.12005 AU
retrograde	-1700 Apr 05 j 23:21	17°Z.24'53		retrograde	-1692 May 08 j 17:52	19°Z.18'41	
opposition	-1700 Jun 22 j 23:59	15°Z.25'46	0°-17'-14	min. Earth dist.	-1692 Jul 24 j 22:31	17°Z.22'25	19.12892 AU
min. Earth dist.	-1700 Jun 21 j 22:51	15°Z.28'16	18.85803 AU	opposition	-1692 Jul 26 j 00:21	17°Z.19'51	0°-39'-37
direct	-1700 Sep 07 j 08:16	13°Z.28'35		direct	-1692 Oct 09 j 12:22	15°Z.24'04	
conjunction	-1700 Dec 22 j 03:10	17°Z.24'37	0°-17'-5	conjunction	-1691 Jan 22 j 16:24	19°Z.15'13	0°-36'-48
minimum elong	-1700 Dec 22 j 03:09	17°Z.24'37	0°17'08	minimum elong	-1691 Jan 22 j 16:24	19°Z.15'13	0°36'51
max. Earth dist.	-1700 Dec 23 j 06:10	17°Z.28'32	20.88136 AU	max. Earth dist.	-1691 Jan 23 j 20:26	19°Z.19'13	21.13525 AU
retrograde	-1699 Apr 10 j 07:38	21°Z.26'57		retrograde	-1691 May 13 j 01:47	23°Z.15'48	
min. Earth dist.	-1699 Jun 26 j 08:37	19°Z.30'29	18.90449 AU	min. Earth dist.	-1691 Jul 29 j 05:44	21°Z.19'31	19.14102 AU
opposition	-1699 Jun 27 j 10:50	19°Z.27'52	0°-20'-31	opposition	-1691 Jul 30 j 07:32	21°Z.16'56	0°-41'-40

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 15

Attention, astronomical year style is used: The year -1691 in astronomical counting style is the year 1692 BCE in historical counting style.

direct	-1691 Oct 13 j 18:20	19°☾21'12		retrograde	-1683 Jun 14 j 17:19	24°☾52'10	
				opposition	-1683 Aug 31 j 08:40	22°☾52'28	0°-50'-18
conjunction	-1690 Jan 26 j 21:12	23°☾12'07	0°-38'-34	min. Earth dist.	-1683 Aug 30 j 14:32	22°☾54'18	19.04962 AU
minimum elong	-1690 Jan 26 j 21:12	23°☾12'07	0°38'37	direct	-1683 Nov 14 j 05:36	20°☾55'55	
max. Earth dist.	-1690 Jan 27 j 23:20	23°☾15'51	21.14428 AU				
retrograde	-1690 May 17 j 09:26	27°☾12'43		conjunction	-1682 Feb 27 j 20:32	24°☾48'32	0°-45'-34
opposition	-1690 Aug 03 j 14:30	25°☾13'47	0°-43'-31	minimum elong	-1682 Feb 27 j 20:32	24°☾48'32	0°45'37
min. Earth dist.	-1690 Aug 02 j 14:17	25°☾16'12	19.14706 AU	max. Earth dist.	-1682 Feb 28 j 14:59	24°☾51'09	21.03462 AU
direct	-1690 Oct 17 j 22:34	23°☾18'01		retrograde	-1682 Jun 19 j 01:36	28°☾51'17	
				opposition	-1682 Sep 04 j 14:41	26°☾51'29	0°-50'-21
conjunction	-1689 Jan 31 j 02:16	27°☾08'48	0°-40'-9	min. Earth dist.	-1682 Sep 03 j 22:41	26°☾53'07	19.01930 AU
minimum elong	-1689 Jan 31 j 02:16	27°☾08'48	0°40'12	direct	-1682 Nov 18 j 08:36	24°☾54'48	
max. Earth dist.	-1689 Feb 01 j 04:37	27°☾12'33	21.14738 AU				
	-1689 Mar 27 j 19:43	0°☾		conjunction	-1681 Mar 04 j 04:35	28°☾48'06	0°-45'-30
retrograde	-1689 May 21 j 17:18	1°☾09'26		minimum elong	-1681 Mar 04 j 04:36	28°☾48'06	0°45'32
	-1689 Jul 17 j 13:51	30°☾		max. Earth dist.	-1681 Mar 04 j 22:36	28°☾50'40	21.00238 AU
opposition	-1689 Aug 07 j 21:03	29°☾10'24	0°-45'-9		-1681 Mar 25 j 12:53	0°☾	
min. Earth dist.	-1689 Aug 06 j 20:57	29°☾12'49	19.14719 AU	retrograde	-1681 Jun 23 j 11:25	2°☾51'23	
direct	-1689 Oct 22 j 04:01	27°☾14'35		opposition	-1681 Sep 08 j 20:39	0°☾51'33	0°-50'-9
	-1688 Jan 15 j 22:30	0°☾		min. Earth dist.	-1681 Sep 08 j 05:12	0°☾53'07	18.98492 AU
					-1681 Sep 30 j 15:22	30°☾	
conjunction	-1688 Feb 04 j 07:18	1°☾05'18	0°-41'-33	direct	-1681 Nov 22 j 14:33	28°☾54'43	
minimum elong	-1688 Feb 04 j 07:18	1°☾05'18	0°41'35		-1680 Jan 12 j 19:19	0°☾	
max. Earth dist.	-1688 Feb 05 j 07:47	1°☾08'47	21.14480 AU				
retrograde	-1688 May 25 j 00:21	5°☾06'03		conjunction	-1680 Mar 07 j 13:11	2°☾48'46	0°-45'-12
min. Earth dist.	-1688 Aug 10 j 05:07	3°☾09'08	19.14200 AU	minimum elong	-1680 Mar 07 j 13:11	2°☾48'46	0°45'15
opposition	-1688 Aug 11 j 03:29	3°☾06'53	0°-46'-35	max. Earth dist.	-1680 Mar 08 j 04:32	2°☾50'58	20.96591 AU
direct	-1688 Oct 25 j 07:50	1°☾10'57		retrograde	-1680 Jun 26 j 20:49	6°☾52'41	
				opposition	-1680 Sep 12 j 03:02	4°☾52'45	0°-49'-42
conjunction	-1687 Feb 07 j 12:47	5°☾01'44	0°-42'-44	min. Earth dist.	-1680 Sep 11 j 14:10	4°☾54'04	18.94621 AU
minimum elong	-1687 Feb 07 j 12:47	5°☾01'44	0°42'47	direct	-1680 Nov 25 j 18:36	2°☾55'44	
max. Earth dist.	-1687 Feb 08 j 13:27	5°☾05'14	21.13708 AU				
retrograde	-1687 May 29 j 08:43	9°☾02'38		conjunction	-1679 Mar 11 j 22:44	6°☾50'40	0°-44'-41
min. Earth dist.	-1687 Aug 14 j 11:08	7°☾05'34	19.13183 AU	minimum elong	-1679 Mar 11 j 22:44	6°☾50'40	0°44'42
opposition	-1687 Aug 15 j 09:21	7°☾03'20	0°-47'-47	max. Earth dist.	-1679 Mar 12 j 13:07	6°☾52'43	20.92491 AU
direct	-1687 Oct 29 j 13:00	5°☾07'18		retrograde	-1679 Jul 01 j 07:07	10°☾55'11	
				opposition	-1679 Sep 16 j 09:24	8°☾55'11	0°-49'-1
conjunction	-1686 Feb 11 j 18:18	8°☾58'14	0°-43'-43	min. Earth dist.	-1679 Sep 15 j 21:24	8°☾56'24	18.90273 AU
minimum elong	-1686 Feb 11 j 18:18	8°☾58'14	0°43'45	direct	-1679 Nov 30 j 00:57	6°☾57'56	
max. Earth dist.	-1686 Feb 12 j 17:04	9°☾01'28	21.12467 AU				
retrograde	-1686 Jun 02 j 15:27	12°☾59'22		conjunction	-1678 Mar 16 j 08:49	10°☾53'47	0°-43'-56
opposition	-1686 Aug 19 j 15:22	10°☾59'56	0°-48'-45	minimum elong	-1678 Mar 16 j 08:49	10°☾53'47	0°43'58
min. Earth dist.	-1686 Aug 18 j 18:54	11°☾02'00	19.11731 AU	max. Earth dist.	-1678 Mar 16 j 20:11	10°☾55'25	20.87903 AU
direct	-1686 Nov 02 j 16:00	9°☾03'46		retrograde	-1678 Jul 05 j 17:00	14°☾59'00	
				opposition	-1678 Sep 20 j 16:22	12°☾58'51	0°-48'-4
conjunction	-1685 Feb 16 j 00:10	12°☾54'58	0°-44'-30	min. Earth dist.	-1678 Sep 20 j 07:11	12°☾59'48	18.85443 AU
minimum elong	-1685 Feb 16 j 00:10	12°☾54'58	0°44'33	direct	-1678 Dec 04 j 06:23	11°☾01'20	
max. Earth dist.	-1685 Feb 16 j 23:07	12°☾58'14	21.10807 AU				
	-1685 Mar 26 j 12:50	15°☾		conjunction	-1677 Mar 20 j 19:42	14°☾58'10	0°-42'-57
retrograde	-1685 Jun 07 j 00:38	16°☾56'24		minimum elong	-1677 Mar 20 j 19:42	14°☾58'10	0°42'58
	-1685 Aug 22 j 14:11	15°☾		max. Earth dist.	-1677 Mar 21 j 05:51	14°☾59'38	20.82836 AU
opposition	-1685 Aug 23 j 21:09	14°☾56'52	0°-49'-30	retrograde	-1677 Jul 10 j 04:11	19°☾04'04	
min. Earth dist.	-1685 Aug 23 j 00:47	14°☾58'56	19.09862 AU	opposition	-1677 Sep 24 j 23:28	17°☾03'45	0°-46'-52
direct	-1685 Nov 06 j 21:19	13°☾00'35		min. Earth dist.	-1677 Sep 24 j 15:14	17°☾04'36	18.80126 AU
	-1684 Jan 17 j 00:58	15°☾		direct	-1677 Dec 08 j 13:51	15°☾05'54	
conjunction	-1684 Feb 20 j 06:27	16°☾52'09	0°-45'-4	conjunction	-1676 Mar 24 j 07:20	19°☾03'48	0°-41'-45
minimum elong	-1684 Feb 20 j 06:27	16°☾52'09	0°45'06	minimum elong	-1676 Mar 24 j 07:20	19°☾03'48	0°41'46
max. Earth dist.	-1684 Feb 21 j 03:20	16°☾55'06	21.08744 AU	max. Earth dist.	-1676 Mar 24 j 14:22	19°☾04'49	20.77298 AU
retrograde	-1684 Jun 10 j 07:49	20°☾53'57		retrograde	-1676 Jul 13 j 14:24	23°☾10'24	
min. Earth dist.	-1684 Aug 26 j 08:31	18°☾56'11	19.07609 AU	opposition	-1676 Sep 28 j 06:54	21°☾09'54	0°-45'-25
opposition	-1684 Aug 27 j 02:55	18°☾54'19	0°-50'-1	min. Earth dist.	-1676 Sep 28 j 01:37	21°☾10'26	18.74375 AU
direct	-1684 Nov 09 j 23:53	16°☾57'54		direct	-1676 Dec 11 j 20:13	19°☾11'40	
conjunction	-1683 Feb 23 j 13:24	20°☾49'56	0°-45'-26	conjunction	-1675 Mar 28 j 19:48	23°☾10'42	0°-40'-19
minimum elong	-1683 Feb 23 j 13:24	20°☾49'56	0°45'28	minimum elong	-1675 Mar 28 j 19:48	23°☾10'42	0°40'21
max. Earth dist.	-1683 Feb 24 j 10:06	20°☾52'53	21.06300 AU	max. Earth dist.	-1675 Mar 29 j 01:31	23°☾11'31	20.71362 AU

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 16

Attention, astronomical year style is used: The year -1675 in astronomical counting style is the year 1676 BCE in historical counting style.

retrograde	-1675 Jul 18 j 02:40	27° <del>18</del> '00				-1667 Jun 27 j 10:16	0° <del>8</del>	
opposition	-1675 Oct 02 j 14:34	25° <del>18</del> '17	0°-43'-44	retrograde		-1667 Aug 21 j 22:02	1° <del>8</del> '16	09
min. Earth dist.	-1675 Oct 02 j 10:10	25° <del>18</del> '17	18.68254 AU			-1667 Oct 17 j 16:17	30° <del>R</del> ' <del>Y</del>	
direct	-1675 Dec 16 j 04:54	23° <del>18</del> '41		opposition		-1667 Nov 04 j 22:26	29° <del>Y</del> '14	0°-22'-22
conjunction	-1674 Apr 02 j 08:40	27° <del>18</del> '52	0°-38'-41	min. Earth dist.		-1667 Nov 05 j 07:33	29° <del>Y</del> '13	17 18.13647 AU
minimum elong	-1674 Apr 02 j 08:40	27° <del>18</del> '52	0°38'42	direct		-1666 Jan 18 j 15:22	27° <del>Y</del> '12	33
max. Earth dist.	-1674 Apr 02 j 11:35	27° <del>18</del> '19	20.65085 AU			-1666 Apr 13 j 19:49	0° <del>8</del>	
	-1674 May 22 j 19:38	0° <del>Y</del>		max. Earth dist.		-1666 May 07 j 11:41	1° <del>8</del> '22	48 20.10148 AU
retrograde	-1674 Jul 22 j 13:29	1° <del>Y</del> '26	57	conjunction		-1666 May 08 j 00:24	1° <del>8</del> '24	41 0°-18'-36
	-1674 Sep 23 j 05:04	30° <del>R</del> ' <del>X</del>		minimum elong		-1666 May 08 j 00:24	1° <del>8</del> '24	41 0°18'36
opposition	-1674 Oct 06 j 22:48	29° <del>18</del> '26	01 0°-41'-49	retrograde		-1666 Aug 26 j 14:42	5° <del>8</del> '39	54
min. Earth dist.	-1674 Oct 06 j 21:09	29° <del>18</del> '26	12 18.61843 AU	opposition		-1666 Nov 09 j 11:38	3° <del>8</del> '37	57 0°-18'-51
direct	-1674 Dec 20 j 11:58	27° <del>18</del> '26	59	min. Earth dist.		-1666 Nov 09 j 23:26	3° <del>8</del> '36	41 18.06614 AU
	-1673 Mar 11 j 22:17	0° <del>Y</del>		direct		-1665 Jan 23 j 03:46	1° <del>8</del> '35	52
conjunction	-1673 Apr 06 j 22:37	1° <del>Y</del> '28	26 0°-36'-50	conjunction		-1665 May 12 j 21:43	5° <del>8</del> '49	41 0°-15'-22
minimum elong	-1673 Apr 06 j 22:37	1° <del>Y</del> '28	26 0°36'51	minimum elong		-1665 May 12 j 21:44	5° <del>8</del> '49	41 0°15'21
max. Earth dist.	-1673 Apr 07 j 00:16	1° <del>Y</del> '28	41 20.58564 AU	behind sun begin		-1665 May 12 j 20:14	5° <del>8</del> '49	28
retrograde	-1673 Jul 27 j 03:10	5° <del>Y</del> '37	18	behind sun end		-1665 May 12 j 23:14	5° <del>8</del> '49	54
opposition	-1673 Oct 11 j 07:10	3° <del>Y</del> '36	10 0°-39'-40	max. Earth dist.		-1665 May 12 j 06:31	5° <del>8</del> '47	26 20.03102 AU
min. Earth dist.	-1673 Oct 11 j 06:17	3° <del>Y</del> '36	15 18.55213 AU	retrograde		-1665 Aug 31 j 10:38	10° <del>8</del> '05	51
direct	-1673 Dec 24 j 21:42	1° <del>Y</del> '36	43	opposition		-1665 Nov 14 j 01:22	8° <del>8</del> '03	48 0°-15'-11
conjunction	-1672 Apr 10 j 13:18	5° <del>Y</del> '39	30 0°-34'-46	min. Earth dist.		-1665 Nov 14 j 14:15	8° <del>8</del> '02	25 17.99549 AU
minimum elong	-1672 Apr 10 j 13:18	5° <del>Y</del> '39	30 0°34'47	direct		-1664 Jan 27 j 20:00	6° <del>8</del> '01	20
max. Earth dist.	-1672 Apr 10 j 12:15	5° <del>Y</del> '39	21 20.51844 AU	conjunction		-1664 May 16 j 20:05	10° <del>8</del> '16	51 0°-12'-00
retrograde	-1672 Jul 30 j 15:15	9° <del>Y</del> '49	11	minimum elong		-1664 May 16 j 20:05	10° <del>8</del> '16	51 0°12'00
opposition	-1672 Oct 14 j 16:16	7° <del>Y</del> '47	51 0°-37'-17	behind sun begin		-1664 May 16 j 15:32	10° <del>8</del> '16	11
min. Earth dist.	-1672 Oct 14 j 18:04	7° <del>Y</del> '47	39 18.48424 AU	behind sun end		-1664 May 17 j 00:38	10° <del>8</del> '17	31
direct	-1672 Dec 28 j 05:51	5° <del>Y</del> '47	59	max. Earth dist.		-1664 May 16 j 02:59	10° <del>8</del> '14	18 19.96010 AU
conjunction	-1671 Apr 15 j 04:51	9° <del>Y</del> '52	10 0°-32'-31	retrograde		-1664 Sep 04 j 04:32	14° <del>8</del> '33	53
minimum elong	-1671 Apr 15 j 04:51	9° <del>Y</del> '52	10 0°32'32	opposition		-1664 Nov 17 j 16:11	12° <del>8</del> '31	46 0°-11'-23
max. Earth dist.	-1671 Apr 15 j 02:23	9° <del>Y</del> '51	49 20.45001 AU	min. Earth dist.		-1664 Nov 18 j 07:36	12° <del>8</del> '30	06 17.92456 AU
retrograde	-1671 Aug 04 j 06:11	14° <del>Y</del> '02	43	direct		-1663 Jan 31 j 10:32	10° <del>8</del> '28	54
opposition	-1671 Oct 19 j 01:42	12° <del>Y</del> '01	12 0°-34'-42	conjunction		-1663 May 21 j 19:00	14° <del>8</del> '46	03 0°-8'-33
min. Earth dist.	-1671 Oct 19 j 04:06	12° <del>Y</del> '00	57 18.41533 AU	minimum elong		-1663 May 21 j 19:00	14° <del>8</del> '46	03 0°08'33
direct	-1670 Jan 01 j 16:43	10° <del>Y</del> '00	56	behind sun begin		-1663 May 21 j 13:07	14° <del>8</del> '45	12
conjunction	-1670 Apr 19 j 21:12	14° <del>Y</del> '06	36 0°-30'-5	behind sun end		-1663 May 22 j 00:53	14° <del>8</del> '46	55
minimum elong	-1670 Apr 19 j 21:12	14° <del>Y</del> '06	36 0°30'05	max. Earth dist.		-1663 May 20 j 23:15	14° <del>8</del> '43	06 19.88931 AU
max. Earth dist.	-1670 Apr 19 j 16:20	14° <del>Y</del> '05	53 20.38076 AU			-1663 May 25 j 15:36	15° <del>8</del>	
retrograde	-1670 Aug 08 j 19:50	18° <del>Y</del> '18	02	retrograde		-1663 Sep 09 j 01:08	19° <del>8</del> '03	58
opposition	-1670 Oct 23 j 11:56	16° <del>Y</del> '16	23 0°-31'-54	opposition		-1663 Nov 22 j 07:36	17° <del>8</del> '01	43 0°-7'-30
min. Earth dist.	-1670 Oct 23 j 16:53	16° <del>Y</del> '15	52 18.34591 AU	min. Earth dist.		-1663 Nov 23 j 00:01	16° <del>8</del> '59	56 17.85404 AU
direct	-1669 Jan 06 j 02:05	14° <del>Y</del> '15	44			-1662 Jan 28 j 13:21	15° <del>R</del> ' <del>8</del>	
conjunction	-1669 Apr 24 j 14:31	18° <del>Y</del> '22	56 0°-27'-28	direct		-1662 Feb 05 j 05:06	14° <del>8</del> '58	25
minimum elong	-1669 Apr 24 j 14:31	18° <del>Y</del> '22	56 0°27'28			-1662 Feb 12 j 21:47	15° <del>8</del>	
max. Earth dist.	-1669 Apr 24 j 08:03	18° <del>Y</del> '21	59 20.31129 AU	conjunction		-1662 May 26 j 18:53	19° <del>8</del> '17	13 0°-5'-2
retrograde	-1669 Aug 13 j 12:24	22° <del>Y</del> '35	18	minimum elong		-1662 May 26 j 18:54	19° <del>8</del> '17	13 0°05'01
opposition	-1669 Oct 27 j 22:41	20° <del>Y</del> '33	33 0°-28'-54	behind sun begin		-1662 May 26 j 12:18	19° <del>8</del> '16	15
min. Earth dist.	-1669 Oct 28 j 04:18	20° <del>Y</del> '32	57 18.27626 AU	behind sun end		-1662 May 27 j 01:30	19° <del>8</del> '18	12
direct	-1668 Jan 10 j 14:28	18° <del>Y</del> '32	32	max. Earth dist.		-1662 May 25 j 21:59	19° <del>8</del> '14	04 19.81912 AU
conjunction	-1668 Apr 28 j 08:53	22° <del>Y</del> '41	19 0°-24'-40	retrograde		-1662 Sep 13 j 19:36	23° <del>8</del> '35	56
minimum elong	-1668 Apr 28 j 08:53	22° <del>Y</del> '41	19 0°24'40	opposition		-1662 Nov 26 j 23:49	21° <del>8</del> '33	34 0°-3'-32
max. Earth dist.	-1668 Apr 28 j 00:10	22° <del>Y</del> '40	03 20.24150 AU	min. Earth dist.		-1662 Nov 27 j 18:21	21° <del>8</del> '31	33 17.78450 AU
retrograde	-1668 Aug 17 j 03:33	26° <del>Y</del> '54	38	direct		-1661 Feb 09 j 21:54	19° <del>8</del> '29	50
opposition	-1668 Oct 31 j 10:12	24° <del>Y</del> '52	48 0°-25'-44	conjunction		-1661 May 31 j 19:23	23° <del>8</del> '50	14 0°-1'-25
min. Earth dist.	-1668 Oct 31 j 18:29	24° <del>Y</del> '51	55 18.20642 AU	minimum elong		-1661 May 31 j 19:24	23° <del>8</del> '50	14 0°01'25
direct	-1667 Jan 14 j 01:12	22° <del>Y</del> '51	26	behind sun begin		-1661 May 31 j 12:36	23° <del>8</del> '49	14
conjunction	-1667 May 03 j 04:13	27° <del>Y</del> '01	53 0°-21'-43	behind sun end		-1661 Jun 01 j 02:12	23° <del>8</del> '51	14
minimum elong	-1667 May 03 j 04:13	27° <del>Y</del> '01	53 0°21'42	max. Earth dist.		-1661 May 30 j 19:53	23° <del>8</del> '46	40 19.75044 AU
max. Earth dist.	-1667 May 02 j 17:32	27° <del>Y</del> '00	19 20.17168 AU	retrograde		-1661 Sep 18 j 16:48	28° <del>8</del> '09	44
				asc. node		-1661 Oct 20 j 18:44	27° <del>8</del> '42	33
				opposition		-1661 Dec 01 j 16:46	26° <del>8</del> '07	13 0°00'27



## Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 17

Attention, astronomical year style is used: The year -1661 in astronomical counting style is the year 1662 BCE in historical counting style.

min. Earth dist.	-1661 Dec 02 j 12:16	26° $\text{R}05'06$	17.71685 AU		-1654 Dec 04 j 13:50	30° $\text{R}II$	
direct	-1660 Feb 14 j 18:36	24° $\text{R}03'03$		opposition	-1653 Jan 02 j 13:37	28° $\text{II}48'33$	0°27'38
conjunction	-1660 Jun 04 j 20:41	28° $\text{R}25'02$	0°02'18	min. Earth dist.	-1653 Jan 03 j 13:38	28° $\text{II}45'55$	17.35390 AU
minimum elong	-1660 Jun 04 j 20:42	28° $\text{R}25'02$	0°02'20	direct	-1653 Mar 19 j 09:01	26° $\text{II}42'17$	
behind sun begin	-1660 Jun 04 j 13:55	28° $\text{R}24'01$			-1653 Jun 20 j 01:23	0° $\text{R}$	
behind sun end	-1660 Jun 05 j 03:30	28° $\text{R}26'02$		conjunction	-1653 Jul 09 j 19:40	1° $\text{R}13'19$	0°26'22
max. Earth dist.	-1660 Jun 03 j 20:43	28° $\text{R}21'23$	19.68385 AU	minimum elong	-1653 Jul 09 j 19:40	1° $\text{R}13'19$	0°26'24
	-1660 Jul 01 j 08:51	0° $\text{R}II$		max. Earth dist.	-1653 Jul 08 j 14:29	1° $\text{R}08'45$	19.33717 AU
retrograde	-1660 Sep 22 j 12:19	2° $\text{R}45'14$		retrograde	-1653 Oct 26 j 06:32	5° $\text{R}37'17$	
opposition	-1660 Dec 05 j 10:31	0° $\text{R}42'37$	0°04'29	opposition	-1652 Jan 07 j 12:58	3° $\text{R}34'40$	0°31'03
min. Earth dist.	-1660 Dec 06 j 07:31	0° $\text{R}40'20$	17.65169 AU	min. Earth dist.	-1652 Jan 08 j 14:00	3° $\text{R}31'55$	17.32246 AU
	-1660 Dec 22 j 01:18	30° $\text{R}R$		direct	-1652 Mar 23 j 10:05	1° $\text{R}28'15$	
direct	-1659 Feb 18 j 14:14	28° $\text{R}38'02$		max. Earth dist.	-1652 Jul 12 j 19:41	5° $\text{R}55'41$	19.30814 AU
	-1659 Apr 16 j 14:41	0° $\text{R}II$					
conjunction	-1659 Jun 09 j 22:24	3° $\text{R}01'30$	0°05'55	conjunction	-1652 Jul 14 j 00:28	6° $\text{R}00'12$	0°29'21
minimum elong	-1659 Jun 09 j 22:25	3° $\text{R}01'31$	0°05'57	minimum elong	-1652 Jul 14 j 00:28	6° $\text{R}00'12$	0°29'24
behind sun begin	-1659 Jun 09 j 15:57	3° $\text{R}00'33$		retrograde	-1652 Oct 30 j 08:23	10° $\text{R}24'26$	
behind sun end	-1659 Jun 10 j 04:53	3° $\text{R}02'28$		opposition	-1651 Jan 11 j 12:57	8° $\text{R}21'55$	0°34'17
max. Earth dist.	-1659 Jun 08 j 20:08	2° $\text{R}57'29$	19.62034 AU	min. Earth dist.	-1651 Jan 12 j 13:18	8° $\text{R}19'15$	17.29582 AU
retrograde	-1659 Sep 27 j 09:51	7° $\text{R}22'25$		direct	-1651 Mar 28 j 12:58	6° $\text{R}15'25$	
opposition	-1659 Dec 10 j 05:04	5° $\text{R}19'41$	0°08'31	max. Earth dist.	-1651 Jul 18 j 00:22	10° $\text{R}43'32$	19.28387 AU
min. Earth dist.	-1659 Dec 11 j 02:49	5° $\text{R}17'19$	17.59012 AU	conjunction	-1651 Jul 19 j 05:25	10° $\text{R}48'06$	0°32'09
direct	-1658 Feb 23 j 12:12	3° $\text{R}14'42$		minimum elong	-1651 Jul 19 j 05:24	10° $\text{R}48'06$	0°32'10
max. Earth dist.	-1658 Jun 13 j 22:41	7° $\text{R}35'37$	19.56064 AU	retrograde	-1651 Nov 04 j 08:38	15° $\text{R}12'31$	
				opposition	-1650 Jan 16 j 13:39	13° $\text{R}10'04$	0°37'18
conjunction	-1658 Jun 15 j 00:45	7° $\text{R}39'37$	0°09'30	min. Earth dist.	-1650 Jan 17 j 14:57	13° $\text{R}07'18$	17.27410 AU
minimum elong	-1658 Jun 15 j 00:45	7° $\text{R}39'37$	0°09'32	direct	-1650 Apr 02 j 15:17	11° $\text{R}03'27$	
behind sun begin	-1658 Jun 14 j 19:10	7° $\text{R}38'47$		max. Earth dist.	-1650 Jul 23 j 05:24	15° $\text{R}32'11$	19.26455 AU
behind sun end	-1658 Jun 15 j 06:20	7° $\text{R}40'27$					
retrograde	-1658 Oct 02 j 07:29	12° $\text{R}01'10$		conjunction	-1650 Jul 24 j 10:18	15° $\text{R}36'44$	0°34'43
opposition	-1658 Dec 15 j 00:26	9° $\text{R}58'22$	0°12'31	minimum elong	-1650 Jul 24 j 10:18	15° $\text{R}36'44$	0°34'45
min. Earth dist.	-1658 Dec 15 j 22:59	9° $\text{R}55'54$	17.53258 AU	retrograde	-1650 Nov 09 j 10:42	20° $\text{R}01'16$	
direct	-1657 Feb 28 j 10:08	7° $\text{R}53'01$		opposition	-1649 Jan 21 j 14:48	17° $\text{R}58'52$	0°40'02
max. Earth dist.	-1657 Jun 18 j 23:34	12° $\text{R}15'00$	19.50541 AU	min. Earth dist.	-1649 Jan 22 j 15:00	17° $\text{R}56'13$	17.25713 AU
				direct	-1649 Apr 07 j 19:59	15° $\text{R}52'11$	
conjunction	-1657 Jun 20 j 03:37	12° $\text{R}19'19$	0°13'03	max. Earth dist.	-1649 Jul 28 j 10:57	20° $\text{R}21'26$	19.24997 AU
minimum elong	-1657 Jun 20 j 03:37	12° $\text{R}19'19$	0°13'05				
behind sun begin	-1657 Jun 19 j 23:42	12° $\text{R}18'44$		conjunction	-1649 Jul 29 j 15:13	20° $\text{R}25'54$	0°37'03
behind sun end	-1657 Jun 20 j 07:31	12° $\text{R}19'54$		minimum elong	-1649 Jul 29 j 15:13	20° $\text{R}25'54$	0°37'05
retrograde	-1657 Oct 07 j 05:51	16° $\text{R}41'27$		retrograde	-1649 Nov 14 j 10:42	24° $\text{R}50'25$	
opposition	-1657 Dec 19 j 20:29	14° $\text{R}38'37$	0°16'27	opposition	-1648 Jan 26 j 16:33	22° $\text{R}48'05$	0°42'30
min. Earth dist.	-1657 Dec 20 j 19:47	14° $\text{R}36'04$	17.47994 AU	min. Earth dist.	-1648 Jan 27 j 17:28	22° $\text{R}45'22$	17.24514 AU
direct	-1656 Mar 04 j 08:59	12° $\text{R}32'57$		direct	-1648 Apr 11 j 23:46	20° $\text{R}41'21$	
max. Earth dist.	-1656 Jun 23 j 03:42	16° $\text{R}56'20$	19.45527 AU				
				conjunction	-1648 Aug 02 j 19:46	25° $\text{R}15'19$	0°39'07
conjunction	-1656 Jun 24 j 07:09	17° $\text{R}00'35$	0°16'32	minimum elong	-1648 Aug 02 j 19:46	25° $\text{R}15'19$	0°39'08
minimum elong	-1656 Jun 24 j 07:08	17° $\text{R}00'35$	0°16'33	max. Earth dist.	-1648 Aug 01 j 15:36	25° $\text{R}10'52$	19.24066 AU
retrograde	-1656 Oct 11 j 05:44	21° $\text{R}23'15$		retrograde	-1648 Nov 18 j 12:18	29° $\text{R}39'46$	
opposition	-1656 Dec 23 j 17:29	19° $\text{R}20'25$	0°20'18	opposition	-1647 Jan 30 j 18:36	27° $\text{R}37'28$	0°44'40
min. Earth dist.	-1656 Dec 24 j 16:55	19° $\text{R}17'51$	17.43245 AU	min. Earth dist.	-1647 Jan 31 j 17:57	27° $\text{R}34'55$	17.23848 AU
direct	-1655 Mar 09 j 08:28	17° $\text{R}14'31$		direct	-1647 Apr 17 j 05:36	25° $\text{R}30'42$	
max. Earth dist.	-1655 Jun 28 j 05:56	21° $\text{R}38'53$	19.41050 AU		-1647 Aug 06 j 17:56	0° $\text{R}$	
				conjunction	-1647 Aug 07 j 23:56	0° $\text{R}04'45$	0°40'55
conjunction	-1655 Jun 29 j 10:46	21° $\text{R}43'22$	0°19'56	minimum elong	-1647 Aug 07 j 23:56	0° $\text{R}04'45$	0°40'57
minimum elong	-1655 Jun 29 j 10:46	21° $\text{R}43'22$	0°19'58	max. Earth dist.	-1647 Aug 06 j 21:28	0° $\text{R}00'34$	19.23673 AU
retrograde	-1655 Oct 16 j 05:07	26° $\text{R}06'33$		retrograde	-1647 Nov 23 j 12:10	4° $\text{R}29'01$	
opposition	-1655 Dec 28 j 15:15	24° $\text{R}03'46$	0°24'02	opposition	-1646 Feb 04 j 21:04	2° $\text{R}26'46$	0°46'31
min. Earth dist.	-1655 Dec 29 j 15:29	24° $\text{R}01'06$	17.39053 AU	min. Earth dist.	-1646 Feb 05 j 20:35	2° $\text{R}24'12$	17.23741 AU
direct	-1654 Mar 14 j 08:05	21° $\text{R}57'38$		direct	-1646 Apr 22 j 10:28	0° $\text{R}19'59$	
max. Earth dist.	-1654 Jul 03 j 10:54	26° $\text{R}23'15$	19.37126 AU	max. Earth dist.	-1646 Aug 12 j 01:22	4° $\text{R}49'47$	19.23867 AU
conjunction	-1654 Jul 04 j 15:04	26° $\text{R}27'39$	0°23'13	conjunction	-1646 Aug 13 j 03:38	4° $\text{R}53'57$	0°42'25
minimum elong	-1654 Jul 04 j 15:04	26° $\text{R}27'39$	0°23'15	minimum elong	-1646 Aug 13 j 03:38	4° $\text{R}53'57$	0°42'26
	-1654 Sep 07 j 22:07	0° $\text{R}$		retrograde	-1646 Nov 28 j 13:13	9° $\text{R}17'58$	
retrograde	-1654 Oct 21 j 06:25	0° $\text{R}51'15$					

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 18

Attention, astronomical year style is used: The year -1645 in astronomical counting style is the year 1646 BCE in historical counting style.

opposition	-1645 Feb 09 j 23:26	7°♈15'45	0°48'01	minimum elong	-1638 Sep 20 j 10:23	13°♍01'16	0°43'23
min. Earth dist.	-1645 Feb 10 j 21:08	7°♈13'23	17.24234 AU	max. Earth dist.	-1638 Sep 19 j 23:34	12°♍59'34	19.47756 AU
direct	-1645 Apr 27 j 16:39	5°♈08'58		retrograde	-1637 Jan 05 j 10:15	17°♍20'59	
max. Earth dist.	-1645 Aug 17 j 07:11	9°♈38'57	19.24668 AU	opposition	-1637 Mar 20 j 21:16	15°♍19'52	0°47'42
				min. Earth dist.	-1637 Mar 21 j 06:18	15°♍18'55	17.50348 AU
conjunction	-1645 Aug 18 j 06:57	9°♈42'43	0°43'37	direct	-1637 Jun 06 j 01:13	13°♍15'06	
minimum elong	-1645 Aug 18 j 06:57	9°♈42'43	0°43'38				
retrograde	-1645 Dec 03 j 12:57	14°♈06'22		conjunction	-1637 Sep 25 j 07:55	17°♍42'05	0°42'10
opposition	-1644 Feb 15 j 02:19	12°♈04'14	0°49'11	minimum elong	-1637 Sep 25 j 07:55	17°♍42'05	0°42'10
min. Earth dist.	-1644 Feb 15 j 23:28	12°♈01'56	17.25353 AU	max. Earth dist.	-1637 Sep 24 j 23:27	17°♍40'46	19.53001 AU
direct	-1644 May 01 j 21:07	9°♈57'32		retrograde	-1636 Jan 10 j 08:17	22°♍01'02	
max. Earth dist.	-1644 Aug 21 j 10:13	14°♈27'12	19.26122 AU	opposition	-1636 Mar 24 j 23:15	20°♍00'03	0°46'10
				min. Earth dist.	-1636 Mar 25 j 05:44	19°♍59'22	17.55737 AU
conjunction	-1644 Aug 22 j 09:21	14°♈30'52	0°44'30	direct	-1636 Jun 10 j 05:11	17°♍55'39	
minimum elong	-1644 Aug 22 j 09:21	14°♈30'52	0°44'32				
	-1644 Aug 30 j 01:07	15°♈		conjunction	-1636 Sep 29 j 04:24	22°♍21'16	0°40'39
retrograde	-1644 Dec 07 j 14:11	18°♈54'08		minimum elong	-1636 Sep 29 j 04:24	22°♍21'16	0°40'39
opposition	-1643 Feb 19 j 05:10	16°♈52'04	0°50'01	max. Earth dist.	-1636 Sep 28 j 21:48	22°♍20'14	19.58537 AU
min. Earth dist.	-1643 Feb 20 j 00:10	16°♈50'00	17.27143 AU	retrograde	-1635 Jan 14 j 04:09	26°♍39'24	
	-1643 Apr 13 j 08:17	15°♈		opposition	-1635 Mar 30 j 00:53	24°♍38'33	0°44'20
direct	-1643 May 07 j 02:24	14°♈45'28		min. Earth dist.	-1635 Mar 30 j 06:19	24°♍37'58	17.61413 AU
	-1643 May 30 j 12:17	15°♈		direct	-1635 Jun 15 j 06:28	22°♍34'29	
conjunction	-1643 Aug 27 j 11:22	19°♈18'17	0°45'05	conjunction	-1635 Oct 04 j 00:05	26°♍58'38	0°38'54
minimum elong	-1643 Aug 27 j 11:22	19°♈18'17	0°45'06	minimum elong	-1635 Oct 04 j 00:05	26°♍58'38	0°38'54
max. Earth dist.	-1643 Aug 26 j 15:15	19°♈15'06	19.28247 AU	max. Earth dist.	-1635 Oct 03 j 19:26	26°♍57'55	19.64342 AU
retrograde	-1643 Dec 12 j 14:01	23°♈41'05			-1635 Nov 26 j 09:00	0°♊	
opposition	-1642 Feb 24 j 07:59	21°♈39'08	0°50'29	retrograde	-1634 Jan 19 j 01:09	1°♊15'54	
min. Earth dist.	-1642 Feb 25 j 01:46	21°♈37'13	17.29594 AU		-1634 Mar 16 j 19:16	30°♈	
direct	-1642 May 12 j 05:50	19°♈32'45		opposition	-1634 Apr 04 j 01:39	29°♍15'09	0°42'13
				min. Earth dist.	-1634 Apr 04 j 04:19	29°♍14'52	17.67318 AU
conjunction	-1642 Sep 01 j 12:36	24°♈04'54	0°45'22	direct	-1634 Jun 20 j 09:05	27°♍11'26	
minimum elong	-1642 Sep 01 j 12:36	24°♈04'54	0°45'23		-1634 Sep 13 j 02:35	0°♊	
max. Earth dist.	-1642 Aug 31 j 17:19	24°♈01'51	19.31035 AU	conjunction	-1634 Oct 08 j 18:51	1°♊34'04	0°36'53
retrograde	-1642 Dec 17 j 14:57	28°♈27'12		minimum elong	-1634 Oct 08 j 18:51	1°♊34'04	0°36'53
opposition	-1641 Mar 01 j 10:51	26°♈25'23	0°50'37	max. Earth dist.	-1634 Oct 08 j 16:24	1°♊33'41	19.70357 AU
min. Earth dist.	-1641 Mar 02 j 02:40	26°♈23'42	17.32698 AU	retrograde	-1633 Jan 23 j 19:28	5°♊50'26	
direct	-1641 May 17 j 10:13	24°♈19'15		opposition	-1633 Apr 09 j 02:10	3°♊49'46	0°39'51
				min. Earth dist.	-1633 Apr 09 j 03:52	3°♊49'35	17.73442 AU
conjunction	-1641 Sep 06 j 13:13	28°♈50'38	0°45'20	direct	-1633 Jun 25 j 08:36	1°♊46'24	
minimum elong	-1641 Sep 06 j 13:13	28°♈50'38	0°45'20				
max. Earth dist.	-1641 Sep 05 j 21:00	28°♈48'04	19.34445 AU	conjunction	-1633 Oct 13 j 12:24	6°♊07'24	0°34'40
	-1641 Sep 24 j 23:30	0°♍		minimum elong	-1633 Oct 13 j 12:24	6°♊07'24	0°34'40
retrograde	-1641 Dec 22 j 14:29	3°♍12'21		max. Earth dist.	-1633 Oct 13 j 11:46	6°♊07'18	19.76595 AU
opposition	-1640 Mar 05 j 13:44	1°♍10'44	0°50'23	retrograde	-1632 Jan 28 j 15:19	10°♊22'51	
min. Earth dist.	-1640 Mar 06 j 03:47	1°♍09'14	17.36381 AU	opposition	-1632 Apr 13 j 01:52	8°♊22'15	0°37'14
	-1640 Apr 03 j 19:11	30°♈		min. Earth dist.	-1632 Apr 13 j 00:26	8°♊22'24	17.79775 AU
direct	-1640 May 21 j 13:59	29°♈04'55		direct	-1632 Jun 29 j 09:22	6°♊19'13	
	-1640 Jul 06 j 22:43	0°♍					
conjunction	-1640 Sep 10 j 13:02	3°♍35'22	0°44'59	conjunction	-1632 Oct 17 j 05:03	10°♊38'35	0°32'14
minimum elong	-1640 Sep 10 j 13:02	3°♍35'22	0°45'00	minimum elong	-1632 Oct 17 j 05:03	10°♊38'35	0°32'15
max. Earth dist.	-1640 Sep 09 j 21:59	3°♍32'59	19.38412 AU	max. Earth dist.	-1632 Oct 17 j 07:13	10°♊38'55	19.83037 AU
retrograde	-1640 Dec 26 j 14:03	7°♍56'29		retrograde	-1631 Feb 01 j 08:12	14°♊53'05	
opposition	-1639 Mar 10 j 16:29	5°♍55'02	0°49'50	opposition	-1631 Apr 18 j 00:55	12°♊52'33	0°34'26
min. Earth dist.	-1639 Mar 11 j 04:53	5°♍53'42	17.40609 AU	min. Earth dist.	-1631 Apr 17 j 22:23	12°♊52'49	17.86335 AU
direct	-1639 May 26 j 17:45	3°♍49'33		direct	-1631 Jul 04 j 07:08	10°♊49'53	
conjunction	-1639 Sep 15 j 12:06	8°♍18'58	0°44'20	conjunction	-1631 Oct 21 j 20:34	15°♊07'34	0°29'38
minimum elong	-1639 Sep 15 j 12:06	8°♍18'58	0°44'21	minimum elong	-1631 Oct 21 j 20:34	15°♊07'34	0°29'37
max. Earth dist.	-1639 Sep 14 j 23:51	8°♍17'02	19.42880 AU	max. Earth dist.	-1631 Oct 22 j 00:25	15°♊08'10	19.89715 AU
retrograde	-1639 Dec 31 j 12:50	12°♍39'25		retrograde	-1630 Feb 06 j 02:34	19°♊21'09	
opposition	-1638 Mar 15 j 19:01	10°♍38'08	0°48'56	opposition	-1630 Apr 22 j 23:04	17°♊20'41	0°31'26
min. Earth dist.	-1638 Mar 16 j 05:16	10°♍37'02	17.45280 AU	min. Earth dist.	-1630 Apr 22 j 17:14	17°♊21'18	17.93120 AU
direct	-1638 May 31 j 22:10	8°♍33'01		direct	-1630 Jul 09 j 05:22	15°♊18'23	
conjunction	-1638 Sep 20 j 10:23	13°♍01'16	0°43'24	conjunction	-1630 Oct 26 j 11:13	19°♊34'25	0°26'53

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 19

Attention, astronomical year style is used: The year -1630 in astronomical counting style is the year 1631 BCE in historical counting style.

minimum elong	-1630 Oct 26 j 11:13	19°♄34'25	0°26'52	conjunction	-1623 Nov 24 j 18:34	19°♄49'13	0°04'51
max. Earth dist.	-1630 Oct 26 j 18:09	19°♄35'29	19.96605 AU	minimum elong	-1623 Nov 24 j 18:35	19°♄49'13	0°04'50
retrograde	-1629 Feb 10 j 18:22	23°♄47'04		behind sun begin	-1623 Nov 24 j 12:12	19°♄48'17	
opposition	-1629 Apr 27 j 20:39	21°♄46'44	0°28'16	behind sun end	-1623 Nov 25 j 00:57	19°♄50'09	
min. Earth dist.	-1629 Apr 27 j 13:32	21°♄47'28	18.00120 AU	max. Earth dist.	-1623 Nov 25 j 13:26	19°♄52'02	20.47176 AU
direct	-1629 Jul 14 j 01:30	19°♄44'51		retrograde	-1622 Mar 13 j 01:37	23°♄56'04	
				min. Earth dist.	-1622 May 28 j 10:11	21°♄58'44	18.50562 AU
conjunction	-1629 Oct 31 j 00:53	23°♄59'13	0°24'00	opposition	-1622 May 29 j 06:04	21°♄56'43	0°03'26
minimum elong	-1629 Oct 31 j 00:53	23°♄59'13	0°23'58	direct	-1622 Aug 14 j 02:10	19°♄57'54	
max. Earth dist.	-1629 Oct 31 j 09:16	24°♄00'29	20.03714 AU				
retrograde	-1628 Feb 15 j 11:46	28°♄10'58		conjunction	-1622 Nov 29 j 03:14	24°♄01'25	0°01'30
opposition	-1628 May 01 j 17:21	26°♄10'46	0°24'59	minimum elong	-1622 Nov 29 j 03:13	24°♄01'25	0°01'28
min. Earth dist.	-1628 May 01 j 07:01	26°♄11'49	18.07317 AU	behind sun begin	-1622 Nov 28 j 20:41	24°♄00'28	
direct	-1628 Jul 17 j 21:08	24°♄09'19		behind sun end	-1622 Nov 29 j 09:44	24°♄02'22	
				max. Earth dist.	-1622 Nov 30 j 00:20	24°♄04'33	20.53867 AU
conjunction	-1628 Nov 03 j 13:42	28°♄22'03	0°20'59	retrograde	-1621 Mar 17 j 11:56	28°♄07'31	
minimum elong	-1628 Nov 03 j 13:42	28°♄22'03	0°20'58	desc. node	-1621 May 08 j 18:36	27°♄06'19	
max. Earth dist.	-1628 Nov 04 j 01:12	28°♄23'48	20.10979 AU	opposition	-1621 Jun 02 j 21:37	26°♄08'15	0°00'-14
	-1628 Nov 30 j 23:58	0°♄		min. Earth dist.	-1621 Jun 02 j 00:57	26°♄10'20	18.57098 AU
retrograde	-1627 Feb 19 j 02:30	2°♄32'56		direct	-1621 Aug 18 j 16:36	24°♄09'46	
opposition	-1627 May 06 j 13:24	0°♄32'53	0°21'34				
min. Earth dist.	-1627 May 06 j 01:52	0°♄34'04	18.14635 AU	conjunction	-1621 Dec 03 j 11:09	28°♄11'52	0°-1'-55
	-1627 May 20 j 02:44	30°♄		minimum elong	-1621 Dec 03 j 11:08	28°♄11'52	0°01'57
direct	-1627 Jul 22 j 16:03	28°♄31'55		behind sun begin	-1621 Dec 03 j 04:37	28°♄10'55	
	-1627 Sep 20 j 11:15	0°♄		behind sun end	-1621 Dec 03 j 17:40	28°♄12'48	
				max. Earth dist.	-1621 Dec 04 j 08:14	28°♄14'59	20.60247 AU
conjunction	-1627 Nov 08 j 01:41	2°♄43'02	0°17'53		-1620 Jan 03 j 21:14	0°♄	
minimum elong	-1627 Nov 08 j 01:41	2°♄43'02	0°17'52	retrograde	-1620 Mar 21 j 00:11	2°♄17'14	
max. Earth dist.	-1627 Nov 08 j 14:11	2°♄44'55	20.18340 AU	opposition	-1620 Jun 06 j 12:19	0°♄18'01	0°-3'-54
retrograde	-1626 Feb 23 j 18:55	6°♄53'04		min. Earth dist.	-1620 Jun 05 j 14:27	0°♄20'12	18.63324 AU
opposition	-1626 May 11 j 08:27	4°♄53'10	0°18'03		-1620 Jun 14 j 00:30	30°♄	
min. Earth dist.	-1626 May 10 j 18:14	4°♄54'37	18.22015 AU	direct	-1620 Aug 22 j 05:03	28°♄19'48	
direct	-1626 Jul 27 j 09:42	2°♄52'39			-1620 Oct 25 j 12:38	0°♄	
conjunction	-1626 Nov 12 j 13:01	7°♄02'12	0°14'41	conjunction	-1620 Dec 06 j 18:33	2°♄20'33	0°-5'-12
minimum elong	-1626 Nov 12 j 13:01	7°♄02'12	0°14'40	minimum elong	-1620 Dec 06 j 18:34	2°♄20'33	0°05'14
behind sun begin	-1626 Nov 12 j 10:04	7°♄01'46		behind sun begin	-1620 Dec 06 j 12:14	2°♄19'38	
behind sun end	-1626 Nov 12 j 15:58	7°♄02'38		behind sun end	-1620 Dec 07 j 00:54	2°♄21'27	
max. Earth dist.	-1626 Nov 13 j 04:25	7°♄04'31	20.25713 AU	max. Earth dist.	-1620 Dec 07 j 17:48	2°♄23'59	20.66301 AU
retrograde	-1625 Feb 28 j 08:27	11°♄11'24		retrograde	-1619 Mar 25 j 09:32	6°♄25'12	
min. Earth dist.	-1625 May 15 j 11:48	9°♄13'14	18.29367 AU	min. Earth dist.	-1619 Jun 10 j 03:30	4°♄28'16	18.69211 AU
opposition	-1625 May 16 j 03:04	9°♄11'41	0°14'28	opposition	-1619 Jun 11 j 02:10	4°♄26'00	0°-7'-30
direct	-1625 Aug 01 j 03:25	7°♄11'39		direct	-1619 Aug 26 j 17:45	2°♄28'03	
conjunction	-1625 Nov 16 j 23:23	11°♄19'36	0°11'26	conjunction	-1619 Dec 11 j 01:13	6°♄27'28	0°-8'-25
minimum elong	-1625 Nov 16 j 23:23	11°♄19'36	0°11'26	minimum elong	-1619 Dec 11 j 01:13	6°♄27'28	0°08'28
behind sun begin	-1625 Nov 16 j 18:35	11°♄18'54		behind sun begin	-1619 Dec 10 j 19:28	6°♄26'39	
behind sun end	-1625 Nov 17 j 04:12	11°♄20'19		behind sun end	-1619 Dec 11 j 06:58	6°♄28'18	
max. Earth dist.	-1625 Nov 17 j 15:30	11°♄22'02	20.33030 AU	max. Earth dist.	-1619 Dec 12 j 00:24	6°♄30'53	20.72032 AU
	-1624 Jan 30 j 19:11	15°♄		retrograde	-1618 Mar 29 j 19:49	10°♄31'28	
retrograde	-1624 Mar 03 j 23:43	15°♄28'01		opposition	-1618 Jun 15 j 15:10	8°♄32'15	0°-11'-2
	-1624 Apr 07 j 00:23	15°♄		min. Earth dist.	-1618 Jun 14 j 15:33	8°♄34'37	18.74805 AU
opposition	-1624 May 19 j 20:53	13°♄28'26	0°10'49	direct	-1618 Aug 31 j 04:02	6°♄34'31	
min. Earth dist.	-1624 May 19 j 03:25	13°♄30'12	18.36632 AU				
direct	-1624 Aug 04 j 19:41	11°♄28'50		conjunction	-1618 Dec 15 j 07:31	10°♄32'44	0°-11'-34
	-1624 Nov 10 j 13:51	15°♄		minimum elong	-1618 Dec 15 j 07:30	10°♄32'44	0°11'36
				behind sun begin	-1618 Dec 15 j 02:46	10°♄32'03	
conjunction	-1624 Nov 20 j 09:24	15°♄35'17	0°08'09	behind sun end	-1618 Dec 15 j 12:14	10°♄33'24	
minimum elong	-1624 Nov 20 j 09:24	15°♄35'17	0°08'07	max. Earth dist.	-1618 Dec 16 j 08:53	10°♄36'27	20.77477 AU
behind sun begin	-1624 Nov 20 j 03:33	15°♄34'25		retrograde	-1617 Apr 03 j 04:50	14°♄36'05	
behind sun end	-1624 Nov 20 j 15:14	15°♄36'08		min. Earth dist.	-1617 Jun 19 j 02:50	12°♄39'21	18.80118 AU
max. Earth dist.	-1624 Nov 21 j 04:04	15°♄38'04	20.40207 AU	opposition	-1617 Jun 20 j 03:29	12°♄36'53	0°-14'-30
retrograde	-1623 Mar 08 j 11:44	19°♄42'53		direct	-1617 Sep 04 j 15:10	10°♄39'23	
opposition	-1623 May 24 j 13:49	17°♄43'27	0°07'08				
min. Earth dist.	-1623 May 23 j 19:33	17°♄45'18	18.43715 AU	conjunction	-1617 Dec 19 j 13:06	14°♄36'27	0°-14'-38
direct	-1623 Aug 09 j 11:43	15°♄44'16		minimum elong	-1617 Dec 19 j 13:05	14°♄36'27	0°14'42
				behind sun begin	-1617 Dec 19 j 10:12	14°♄36'02	

Attention, astronomical year style is used: The year -1617 in astronomical counting style is the year 1618 BCE in historical counting style.

behind sun end	-1617 Dec 19 j 15:58	14°♂36'51		minimum elong	-1608 Jan 20 j 03:13	16°♂32'11	0°35'14
max. Earth dist.	-1617 Dec 20 j 14:25	14°♂40'08	20.82661 AU	max. Earth dist.	-1608 Jan 21 j 06:40	16°♂36'06	21.12011 AU
retrograde	-1616 Apr 06 j 14:07	18°♂39'16		retrograde	-1608 May 09 j 08:44	20°♂32'49	
opposition	-1616 Jun 23 j 15:08	16°♂40'04	0°-17'-51	opposition	-1608 Jul 26 j 15:44	18°♂34'00	0°-39'-58
min. Earth dist.	-1616 Jun 22 j 13:44	16°♂42'36	18.85186 AU	min. Earth dist.	-1608 Jul 25 j 13:57	18°♂36'34	19.12874 AU
direct	-1616 Sep 07 j 23:34	14°♂42'47		direct	-1608 Oct 10 j 03:38	16°♂38'13	
conjunction	-1616 Dec 22 j 18:35	18°♂38'49	0°-17'-38	conjunction	-1607 Jan 23 j 08:06	20°♂29'23	0°-37'-6
minimum elong	-1616 Dec 22 j 18:35	18°♂38'49	0°17'40	minimum elong	-1607 Jan 23 j 08:06	20°♂29'23	0°37'09
max. Earth dist.	-1616 Dec 23 j 21:53	18°♂42'47	20.87587 AU	max. Earth dist.	-1607 Jan 24 j 11:57	20°♂33'21	21.13484 AU
retrograde	-1615 Apr 10 j 22:44	22°♂41'07		retrograde	-1607 May 13 j 16:51	24°♂29'57	
min. Earth dist.	-1615 Jun 26 j 23:30	20°♂44'35	18.89975 AU	opposition	-1607 Jul 30 j 22:46	22°♂31'05	0°-41'-59
opposition	-1615 Jun 28 j 01:49	20°♂41'57	0°-21'-6	min. Earth dist.	-1607 Jul 29 j 21:10	22°♂33'39	19.14043 AU
direct	-1615 Sep 12 j 08:54	18°♂44'55		direct	-1607 Oct 14 j 10:00	20°♂35'19	
conjunction	-1615 Dec 26 j 23:34	22°♂40'01	0°-20'-31	conjunction	-1606 Jan 27 j 12:49	24°♂26'15	0°-38'-50
minimum elong	-1615 Dec 26 j 23:34	22°♂40'01	0°20'33	minimum elong	-1606 Jan 27 j 12:49	24°♂26'15	0°38'53
max. Earth dist.	-1615 Dec 28 j 02:30	22°♂43'55	20.92237 AU	max. Earth dist.	-1606 Jan 28 j 14:54	24°♂29'58	21.14368 AU
retrograde	-1614 Apr 15 j 07:31	26°♂41'54		retrograde	-1606 May 18 j 00:11	28°♂26'49	
min. Earth dist.	-1614 Jul 01 j 09:29	24°♂45'27	18.94486 AU	min. Earth dist.	-1606 Aug 03 j 05:31	26°♂30'17	19.14650 AU
opposition	-1614 Jul 02 j 12:09	24°♂42'48	0°-24'-14	opposition	-1606 Aug 04 j 05:44	26°♂27'52	0°-43'-47
direct	-1614 Sep 16 j 16:00	22°♂45'59		direct	-1606 Oct 18 j 13:19	24°♂32'04	
conjunction	-1614 Dec 31 j 04:19	26°♂40'14	0°-23'-18	conjunction	-1605 Jan 31 j 17:39	28°♂22'50	0°-40'-22
minimum elong	-1614 Dec 31 j 04:19	26°♂40'14	0°23'20	minimum elong	-1605 Jan 31 j 17:38	28°♂22'50	0°40'25
max. Earth dist.	-1613 Jan 01 j 09:00	26°♂44'23	20.96582 AU	max. Earth dist.	-1605 Feb 01 j 20:12	28°♂26'37	21.14707 AU
retrograde	-1613 Mar 08 j 21:58	0°♂		retrograde	-1605 Mar 01 j 23:53	0°♂	
opposition	-1613 Apr 19 j 15:52	0°♂41'46		opposition	-1605 May 22 j 07:59	2°♂23'26	
min. Earth dist.	-1613 Jun 01 j 17:49	30°♂		min. Earth dist.	-1605 Aug 08 j 12:14	0°♂24'23	0°-45'-22
opposition	-1613 Jul 06 j 21:53	28°♂42'44	0°-27'-15	opposition	-1605 Aug 07 j 12:07	0°♂26'48	19.14726 AU
min. Earth dist.	-1613 Jul 05 j 18:24	28°♂45'29	18.98660 AU	direct	-1605 Aug 18 j 17:27	30°♂	
direct	-1613 Sep 20 j 23:41	26°♂46'10		direct	-1605 Oct 22 j 19:26	28°♂28'32	
	-1613 Dec 23 j 21:02	0°♂			-1605 Dec 23 j 07:59	0°♂	
conjunction	-1612 Jan 04 j 08:53	0°♂39'41	0°-25'-57	conjunction	-1604 Feb 04 j 22:36	2°♂19'14	0°-41'-43
minimum elong	-1612 Jan 04 j 08:53	0°♂39'41	0°25'59	minimum elong	-1604 Feb 04 j 22:36	2°♂19'14	0°41'46
max. Earth dist.	-1612 Jan 05 j 12:54	0°♂43'43	21.00579 AU	max. Earth dist.	-1604 Feb 05 j 23:23	2°♂22'45	21.14544 AU
retrograde	-1612 Apr 23 j 00:22	4°♂40'56		retrograde	-1604 May 25 j 15:30	6°♂19'55	
min. Earth dist.	-1612 Jul 09 j 03:48	2°♂44'40	19.02474 AU	opposition	-1604 Aug 11 j 18:25	4°♂20'44	0°-46'-44
opposition	-1612 Jul 10 j 07:04	2°♂41'57	0°-30'-7	min. Earth dist.	-1604 Aug 10 j 19:48	4°♂23'00	19.14340 AU
direct	-1612 Sep 24 j 05:43	0°♂45'36		direct	-1604 Oct 25 j 22:37	2°♂24'47	
conjunction	-1611 Jan 07 j 13:33	4°♂38'29	0°-28'-29	conjunction	-1603 Feb 08 j 03:56	6°♂15'32	0°-42'-52
minimum elong	-1611 Jan 07 j 13:33	4°♂38'29	0°28'32	minimum elong	-1603 Feb 08 j 03:56	6°♂15'32	0°42'54
max. Earth dist.	-1611 Jan 08 j 18:50	4°♂42'41	21.04178 AU	max. Earth dist.	-1603 Feb 09 j 05:03	6°♂19'06	21.13933 AU
retrograde	-1611 Apr 27 j 08:34	8°♂39'29		retrograde	-1603 May 29 j 22:59	10°♂16'21	
opposition	-1611 Jul 14 j 15:45	6°♂40'36	0°-32'-50	min. Earth dist.	-1603 Aug 15 j 01:46	8°♂19'21	19.13512 AU
min. Earth dist.	-1611 Jul 13 j 12:05	6°♂43'21	19.05847 AU	opposition	-1603 Aug 16 j 00:20	8°♂17'04	0°-47'-54
direct	-1611 Sep 28 j 12:15	4°♂44'27		direct	-1603 Oct 30 j 03:55	6°♂21'03	
conjunction	-1610 Jan 11 j 17:56	8°♂36'46	0°-30'-53	conjunction	-1602 Feb 12 j 09:12	10°♂11'55	0°-43'-48
minimum elong	-1610 Jan 11 j 17:56	8°♂36'46	0°30'55	minimum elong	-1602 Feb 12 j 09:12	10°♂11'55	0°43'51
max. Earth dist.	-1610 Jan 12 j 22:07	8°♂40'49	21.07315 AU	max. Earth dist.	-1602 Feb 13 j 08:27	10°♂15'13	21.12903 AU
retrograde	-1610 May 01 j 16:39	12°♂37'37		retrograde	-1602 Jun 03 j 07:02	14°♂12'58	
min. Earth dist.	-1610 Jul 17 j 21:11	10°♂41'27	19.08744 AU	min. Earth dist.	-1602 Aug 19 j 09:14	12°♂15'41	19.12289 AU
opposition	-1610 Jul 19 j 00:07	10°♂38'46	0°-35'-23	opposition	-1602 Aug 20 j 06:17	12°♂13'34	0°-48'-50
direct	-1610 Oct 02 j 17:19	8°♂42'48		direct	-1602 Nov 03 j 07:12	10°♂17'26	
conjunction	-1609 Jan 15 j 22:39	12°♂34'39	0°-33'-7	conjunction	-1601 Feb 16 j 15:08	14°♂08'33	0°-44'-33
minimum elong	-1609 Jan 15 j 22:39	12°♂34'39	0°33'11	minimum elong	-1601 Feb 16 j 15:08	14°♂08'33	0°44'34
max. Earth dist.	-1609 Jan 17 j 03:39	12°♂38'48	21.09944 AU	max. Earth dist.	-1601 Feb 17 j 14:36	14°♂11'53	21.11486 AU
retrograde	-1609 May 06 j 00:57	16°♂35'22		retrograde	-1601 Mar 03 j 19:59	15°♂	
min. Earth dist.	-1609 Jul 22 j 05:02	14°♂39'15	19.11097 AU	retrograde	-1601 Jun 07 j 14:45	18°♂09'53	
opposition	-1609 Jul 23 j 08:02	14°♂36'33	0°-37'-46	opposition	-1601 Aug 24 j 11:57	16°♂10'24	0°-49'-32
direct	-1609 Oct 06 j 23:38	12°♂40'42		min. Earth dist.	-1601 Aug 23 j 15:03	16°♂12'30	19.10672 AU
conjunction	-1608 Jan 20 j 03:13	16°♂32'11	0°-35'-12	direct	-1601 Sep 24 j 15:30	15°♂	
					-1601 Nov 07 j 11:52	14°♂14'09	

Attention, astronomical year style is used: The year -1601 in astronomical counting style is the year 1602 BCE in historical counting style.

	-1601 Dec 20 j 03:43	15° $\approx$		direct		-1593 Dec 09 j 04:35	16° $\approx$ 17'04	
conjunction	-1600 Feb 20 j 21:18	18° $\approx$ 05'37	0°-45'-5	conjunction		-1592 Mar 24 j 21:26	20° $\approx$ 14'38	0°-41'-28
minimum elong	-1600 Feb 20 j 21:18	18° $\approx$ 05'37	0°45'07	minimum elong		-1592 Mar 24 j 21:26	20° $\approx$ 14'38	0°41'29
max. Earth dist.	-1600 Feb 21 j 18:39	18° $\approx$ 08'38	21.09680 AU	max. Earth dist.		-1592 Mar 25 j 04:28	20° $\approx$ 15'39	20.78985 AU
retrograde	-1600 Jun 10 j 22:59	22° $\approx$ 07'18		retrograde		-1592 Jul 14 j 04:11	24° $\approx$ 20'55	
opposition	-1600 Aug 27 j 17:47	20° $\approx$ 07'44	0°-50'00	opposition		-1592 Sep 28 j 21:02	22° $\approx$ 20'25	0°-45'-5
min. Earth dist.	-1600 Aug 26 j 22:44	20° $\approx$ 09'39	19.08670 AU	min. Earth dist.		-1592 Sep 28 j 15:39	22° $\approx$ 20'59	18.76076 AU
direct	-1600 Nov 10 j 15:22	18° $\approx$ 11'23		direct		-1592 Dec 12 j 10:22	20° $\approx$ 22'14	
conjunction	-1599 Feb 24 j 04:08	22° $\approx$ 03'17	0°-45'-24	conjunction		-1591 Mar 29 j 09:35	24° $\approx$ 20'56	0°-40'-1
minimum elong	-1599 Feb 24 j 04:08	22° $\approx$ 03'17	0°45'26	minimum elong		-1591 Mar 29 j 09:35	24° $\approx$ 20'56	0°40'02
max. Earth dist.	-1599 Feb 25 j 01:23	22° $\approx$ 06'18	21.07478 AU	max. Earth dist.		-1591 Mar 29 j 15:31	24° $\approx$ 21'47	20.73083 AU
retrograde	-1599 Jun 15 j 07:44	26° $\approx$ 05'22		retrograde		-1591 Jul 18 j 16:15	28° $\approx$ 27'55	
opposition	-1599 Aug 31 j 23:24	24° $\approx$ 05'44	0°-50'-15	opposition		-1591 Oct 03 j 04:28	26° $\approx$ 27'14	0°-43'-22
min. Earth dist.	-1599 Aug 31 j 04:47	24° $\approx$ 07'38	19.06254 AU	min. Earth dist.		-1591 Oct 02 j 23:53	26° $\approx$ 27'43	18.70010 AU
direct	-1599 Nov 14 j 20:08	22° $\approx$ 09'17		direct		-1591 Dec 16 j 18:59	24° $\approx$ 28'41	
conjunction	-1598 Feb 28 j 11:19	26° $\approx$ 01'44	0°-45'-30	conjunction		-1590 Apr 02 j 22:20	28° $\approx$ 28'33	0°-38'-20
minimum elong	-1598 Feb 28 j 11:19	26° $\approx$ 01'44	0°45'32	minimum elong		-1590 Apr 02 j 22:20	28° $\approx$ 28'33	0°38'22
max. Earth dist.	-1598 Mar 01 j 06:12	26° $\approx$ 04'25	21.04861 AU	max. Earth dist.		-1590 Apr 03 j 01:23	28° $\approx$ 28'59	20.66882 AU
retrograde	-1598 Jun 06 j 08:46	0° $\approx$		retrograde		-1590 Apr 29 j 22:58	0° $\approx$	
opposition	-1598 Jun 19 j 15:55	0° $\approx$ 04'18		opposition		-1590 Jul 23 j 03:03	2° $\approx$ 36'20	
min. Earth dist.	-1598 Jul 02 j 23:28	30° $\approx$		min. Earth dist.		-1590 Oct 07 j 12:27	0° $\approx$ 35'27	0°-41'-25
direct	-1598 Sep 05 j 05:23	28° $\approx$ 04'36	0°-50'-15	direct		-1590 Oct 07 j 10:31	0° $\approx$ 35'39	18.63692 AU
conjunction	-1597 Mar 04 j 19:16	0° $\approx$ 01'07	0°-45'-24	conjunction		-1590 Oct 21 j 20:43	30° $\approx$	
minimum elong	-1597 Mar 04 j 19:16	0° $\approx$ 01'07	0°45'26	minimum elong		-1590 Dec 21 j 01:56	28° $\approx$ 36'30	
max. Earth dist.	-1597 Mar 04 j 11:24	0° $\approx$		max. Earth dist.		-1589 Feb 17 j 06:09	0° $\approx$	
retrograde	-1597 Mar 05 j 13:42	0° $\approx$ 03'44	21.01806 AU	retrograde		-1589 Apr 07 j 12:01	2° $\approx$ 37'39	0°-36'-28
opposition	-1597 Jun 24 j 02:11	4° $\approx$ 04'12		opposition		-1589 Apr 07 j 12:01	2° $\approx$ 37'39	0°36'28
min. Earth dist.	-1597 Sep 09 j 11:22	2° $\approx$ 04'27	0°-50'00	min. Earth dist.		-1589 Apr 07 j 13:58	2° $\approx$ 37'55	20.60463 AU
direct	-1597 Sep 08 j 19:45	2° $\approx$ 06'02	19.00119 AU	direct		-1589 Jul 27 j 16:11	6° $\approx$ 46'13	
conjunction	-1596 Mar 08 j 03:54	4° $\approx$ 01'33	0°-45'-4	conjunction		-1589 Oct 11 j 20:44	4° $\approx$ 45'09	0°-39'-14
minimum elong	-1596 Mar 08 j 03:54	4° $\approx$ 01'33	0°45'04	minimum elong		-1589 Oct 11 j 19:29	4° $\approx$ 45'17	18.57171 AU
max. Earth dist.	-1596 Mar 08 j 19:25	4° $\approx$ 03'45	20.98259 AU	max. Earth dist.		-1589 Dec 25 j 11:21	2° $\approx$ 45'49	
retrograde	-1596 Jun 27 j 10:38	8° $\approx$ 05'12		retrograde		-1588 Apr 11 j 02:28	6° $\approx$ 48'18	0°-34'-23
opposition	-1596 Sep 12 j 17:34	6° $\approx$ 05'22	0°-49'-31	opposition		-1588 Apr 11 j 02:28	6° $\approx$ 48'18	0°34'24
min. Earth dist.	-1596 Sep 12 j 04:39	6° $\approx$ 06'41	18.96318 AU	min. Earth dist.		-1588 Apr 11 j 01:38	6° $\approx$ 48'11	20.53860 AU
direct	-1596 Nov 26 j 09:10	4° $\approx$ 08'24		direct		-1588 Jul 31 j 04:12	10° $\approx$ 57'44	
conjunction	-1595 Mar 12 j 13:22	8° $\approx$ 03'05	0°-44'-30	conjunction		-1588 Oct 15 j 05:35	8° $\approx$ 56'30	0°-36'-50
minimum elong	-1595 Mar 12 j 13:22	8° $\approx$ 03'05	0°44'32	minimum elong		-1588 Oct 15 j 06:59	8° $\approx$ 56'21	18.50504 AU
max. Earth dist.	-1595 Mar 13 j 03:53	8° $\approx$ 05'09	20.94198 AU	max. Earth dist.		-1588 Dec 28 j 19:24	6° $\approx$ 56'47	
retrograde	-1595 Jul 01 j 21:45	12° $\approx$ 07'21		retrograde		-1587 Apr 15 j 17:50	11° $\approx$ 00'41	0°-32'-7
opposition	-1595 Sep 17 j 00:00	10° $\approx$ 07'23	0°-48'-47	opposition		-1587 Apr 15 j 17:50	11° $\approx$ 00'41	0°32'07
min. Earth dist.	-1595 Sep 16 j 12:03	10° $\approx$ 08'37	18.91982 AU	min. Earth dist.		-1587 Apr 15 j 15:48	11° $\approx$ 00'24	20.47145 AU
direct	-1595 Nov 30 j 15:57	8° $\approx$ 10'12		direct		-1587 Aug 04 j 19:01	15° $\approx$ 10'59	
conjunction	-1594 Mar 16 j 23:12	12° $\approx$ 05'46	0°-43'-43	conjunction		-1587 Oct 19 j 14:56	13° $\approx$ 09'37	0°-34'-14
minimum elong	-1594 Mar 16 j 23:12	12° $\approx$ 05'46	0°43'44	minimum elong		-1587 Oct 19 j 16:55	13° $\approx$ 09'25	18.43738 AU
max. Earth dist.	-1594 Mar 17 j 10:34	12° $\approx$ 07'23	20.89604 AU	max. Earth dist.		-1586 Jan 02 j 06:03	11° $\approx$ 09'32	
retrograde	-1594 Jul 06 j 06:48	16° $\approx$ 10'41		retrograde		-1586 Apr 20 j 09:53	15° $\approx$ 14'55	0°-29'-39
opposition	-1594 Sep 21 j 06:52	14° $\approx$ 10'34	0°-47'-48	opposition		-1586 Apr 20 j 09:53	15° $\approx$ 14'55	0°29'40
min. Earth dist.	-1594 Sep 20 j 21:42	14° $\approx$ 11'30	18.87132 AU	min. Earth dist.		-1586 Apr 20 j 05:20	15° $\approx$ 14'15	20.40339 AU
direct	-1594 Dec 04 j 20:40	12° $\approx$ 13'04		direct		-1586 Aug 09 j 08:27	19° $\approx$ 26'07	
conjunction	-1593 Mar 21 j 10:02	16° $\approx$ 09'36	0°-42'-42	conjunction		-1586 Oct 24 j 01:06	17° $\approx$ 24'39	0°-31'-25
minimum elong	-1593 Mar 21 j 10:02	16° $\approx$ 09'36	0°42'44	minimum elong		-1586 Oct 24 j 05:44	17° $\approx$ 24'10	18.36900 AU
max. Earth dist.	-1593 Mar 21 j 20:14	16° $\approx$ 11'04	20.84519 AU	max. Earth dist.		-1585 Jan 06 j 15:11	15° $\approx$ 24'12	
retrograde	-1593 Jul 10 j 18:21	20° $\approx$ 15'10		retrograde		-1585 Apr 25 j 03:10	19° $\approx$ 31'07	0°-27'-1
opposition	-1593 Sep 25 j 13:41	18° $\approx$ 14'53	0°-46'-34	opposition		-1585 Apr 25 j 03:10	19° $\approx$ 31'07	0°27'02
min. Earth dist.	-1593 Sep 25 j 05:32	18° $\approx$ 15'44	18.81806 AU	min. Earth dist.		-1585 Apr 24 j 21:07	19° $\approx$ 30'15	20.33477 AU
						-1585 Aug 14 j 01:15	23° $\approx$ 43'15	
						-1585 Oct 28 j 11:37	21° $\approx$ 41'42	0°-28'-24
						-1585 Oct 28 j 17:04	21° $\approx$ 41'07	18.29996 AU

Attention, astronomical year style is used: The year -1584 in astronomical counting style is the year 1585 BCE in historical counting style.

direct	-1584 Jan 11 j 03:15	19° $\Upsilon$ 40'53		retrograde	-1578 Sep 14 j 06:39	24° $\Upsilon$ 40'46	
				opposition	-1578 Nov 27 j 11:35	22° $\Upsilon$ 38'21	0°-3'00
conjunction	-1584 Apr 28 j 21:25	23° $\Upsilon$ 49'25	0°-24'-12	min. Earth dist.	-1578 Nov 28 j 06:16	22° $\Upsilon$ 36'20	17.80018 AU
minimum elong	-1584 Apr 28 j 21:25	23° $\Upsilon$ 49'25	0°24'12	direct	-1577 Feb 10 j 10:56	20° $\Upsilon$ 34'37	
max. Earth dist.	-1584 Apr 28 j 12:49	23° $\Upsilon$ 48'10	20.26533 AU	max. Earth dist.	-1577 May 31 j 06:50	24° $\Upsilon$ 51'00	19.76564 AU
retrograde	-1584 Aug 17 j 16:28	28° $\Upsilon$ 02'30					
opposition	-1584 Oct 31 j 23:08	26° $\Upsilon$ 00'52	0°-25'-12	conjunction	-1577 Jun 01 j 06:21	24° $\Upsilon$ 54'34	0°00'-56
min. Earth dist.	-1584 Nov 01 j 07:26	25° $\Upsilon$ 59'59	18.23017 AU	minimum elong	-1577 Jun 01 j 06:21	24° $\Upsilon$ 54'34	0°00'54
direct	-1583 Jan 14 j 14:08	23° $\Upsilon$ 59'42		behind sun begin	-1577 May 31 j 23:34	24° $\Upsilon$ 53'34	
				behind sun end	-1577 Jun 01 j 13:08	24° $\Upsilon$ 55'34	
conjunction	-1583 May 03 j 16:31	28° $\Upsilon$ 09'51	0°-21'-14	asc. node	-1577 Sep 02 j 14:13	29° $\Upsilon$ 06'14	
minimum elong	-1583 May 03 j 16:31	28° $\Upsilon$ 09'51	0°21'15	retrograde	-1577 Sep 19 j 02:47	29° $\Upsilon$ 13'41	
max. Earth dist.	-1583 May 03 j 06:00	28° $\Upsilon$ 08'18	20.19514 AU	opposition	-1577 Dec 02 j 04:10	27° $\Upsilon$ 11'08	0°00'59
	-1583 Jun 04 j 17:21	0° $\Upsilon$		min. Earth dist.	-1577 Dec 02 j 23:36	27° $\Upsilon$ 09'01	17.73162 AU
retrograde	-1583 Aug 22 j 10:32	2° $\Upsilon$ 23'52		direct	-1576 Feb 15 j 06:32	25° $\Upsilon$ 06'56	
opposition	-1583 Nov 05 j 11:15	0° $\Upsilon$ 22'08	0°-21'-50	max. Earth dist.	-1576 Jun 04 j 07:21	29° $\Upsilon$ 24'49	19.69829 AU
min. Earth dist.	-1583 Nov 05 j 20:29	0° $\Upsilon$ 21'09	18.15950 AU				
	-1583 Nov 14 j 03:26	30° $\Upsilon$		conjunction	-1576 Jun 05 j 07:24	29° $\Upsilon$ 28'28	0°02'46
direct	-1582 Jan 19 j 03:45	28° $\Upsilon$ 20'36		minimum elong	-1576 Jun 05 j 07:23	29° $\Upsilon$ 28'28	0°02'47
	-1582 Mar 23 j 17:42	0° $\Upsilon$		behind sun begin	-1576 Jun 05 j 00:37	29° $\Upsilon$ 27'28	
				behind sun end	-1576 Jun 05 j 14:10	29° $\Upsilon$ 29'28	
conjunction	-1582 May 08 j 12:43	2° $\Upsilon$ 32'24	0°-18'-7		-1576 Jun 13 j 22:52	0° $\Upsilon$	
minimum elong	-1582 May 08 j 12:43	2° $\Upsilon$ 32'24	0°18'06	retrograde	-1576 Sep 22 j 23:08	3° $\Upsilon$ 48'19	
max. Earth dist.	-1582 May 07 j 23:45	2° $\Upsilon$ 30'30	20.12391 AU	opposition	-1576 Dec 05 j 21:47	1° $\Upsilon$ 45'39	0°05'00
retrograde	-1582 Aug 27 j 03:24	6° $\Upsilon$ 47'21		min. Earth dist.	-1576 Dec 06 j 18:45	1° $\Upsilon$ 43'22	17.66588 AU
opposition	-1582 Nov 10 j 00:14	4° $\Upsilon$ 45'31	0°-18'-18		-1575 Jan 23 j 05:29	30° $\Upsilon$	
min. Earth dist.	-1582 Nov 10 j 12:21	4° $\Upsilon$ 44'13	18.08789 AU	direct	-1575 Feb 19 j 01:46	29° $\Upsilon$ 41'03	
direct	-1581 Jan 23 j 16:48	2° $\Upsilon$ 43'33			-1575 Mar 17 j 19:36	0° $\Upsilon$	
				max. Earth dist.	-1575 Jun 09 j 06:33	4° $\Upsilon$ 00'07	19.63433 AU
conjunction	-1581 May 13 j 09:51	6° $\Upsilon$ 57'01	0°-14'-52				
minimum elong	-1581 May 13 j 09:51	6° $\Upsilon$ 57'01	0°14'52	conjunction	-1575 Jun 10 j 08:42	4° $\Upsilon$ 04'06	0°06'22
behind sun begin	-1581 May 13 j 07:34	6° $\Upsilon$ 56'41		minimum elong	-1575 Jun 10 j 08:41	4° $\Upsilon$ 04'06	0°06'23
behind sun end	-1581 May 13 j 12:08	6° $\Upsilon$ 57'21		behind sun begin	-1575 Jun 10 j 02:18	4° $\Upsilon$ 03'09	
max. Earth dist.	-1581 May 12 j 18:28	6° $\Upsilon$ 54'44	20.05195 AU	behind sun end	-1575 Jun 10 j 15:05	4° $\Upsilon$ 05'03	
retrograde	-1581 Aug 31 j 22:19	11° $\Upsilon$ 12'51		retrograde	-1575 Sep 27 j 20:16	8° $\Upsilon$ 24'41	
opposition	-1581 Nov 14 j 13:54	9° $\Upsilon$ 10'53	0°-14'-37	opposition	-1575 Dec 10 j 16:05	6° $\Upsilon$ 21'56	0°09'00
min. Earth dist.	-1581 Nov 15 j 03:00	9° $\Upsilon$ 09'28	18.01556 AU	min. Earth dist.	-1575 Dec 11 j 13:35	6° $\Upsilon$ 19'35	17.60395 AU
direct	-1580 Jan 28 j 08:30	7° $\Upsilon$ 08'30		direct	-1574 Feb 23 j 23:15	4° $\Upsilon$ 16'56	
				max. Earth dist.	-1574 Jun 14 j 08:57	8° $\Upsilon$ 37'30	19.57434 AU
conjunction	-1580 May 17 j 07:52	11° $\Upsilon$ 23'36	0°-11'-30				
minimum elong	-1580 May 17 j 07:52	11° $\Upsilon$ 23'36	0°11'30	conjunction	-1574 Jun 15 j 10:57	8° $\Upsilon$ 41'29	0°09'55
behind sun begin	-1580 May 17 j 03:04	11° $\Upsilon$ 22'54		minimum elong	-1574 Jun 15 j 10:56	8° $\Upsilon$ 41'29	0°09'57
behind sun end	-1580 May 17 j 12:40	11° $\Upsilon$ 24'18		behind sun begin	-1574 Jun 15 j 05:30	8° $\Upsilon$ 40'41	
max. Earth dist.	-1580 May 16 j 14:27	11° $\Upsilon$ 21'00	19.97930 AU	behind sun end	-1574 Jun 15 j 16:23	8° $\Upsilon$ 42'18	
	-1580 Jul 27 j 07:13	15° $\Upsilon$		retrograde	-1574 Oct 02 j 17:48	13° $\Upsilon$ 02'44	
retrograde	-1580 Sep 04 j 16:07	15° $\Upsilon$ 40'18		opposition	-1574 Dec 15 j 11:09	10° $\Upsilon$ 59'57	0°12'58
	-1580 Oct 14 j 11:45	15° $\Upsilon$		min. Earth dist.	-1574 Dec 16 j 09:38	10° $\Upsilon$ 57'29	17.54622 AU
opposition	-1580 Nov 18 j 04:25	13° $\Upsilon$ 38'11	0°-10'-50	direct	-1573 Feb 28 j 20:19	8° $\Upsilon$ 54'38	
min. Earth dist.	-1580 Nov 18 j 20:08	13° $\Upsilon$ 36'30	17.94293 AU	max. Earth dist.	-1573 Jun 19 j 09:39	13° $\Upsilon$ 16'19	19.51898 AU
direct	-1579 Jan 31 j 23:50	11° $\Upsilon$ 35'22					
	-1579 May 07 j 17:46	15° $\Upsilon$		conjunction	-1573 Jun 20 j 13:39	13° $\Upsilon$ 20'37	0°13'27
max. Earth dist.	-1579 May 21 j 10:45	15° $\Upsilon$ 49'07	19.90694 AU	minimum elong	-1573 Jun 20 j 13:38	13° $\Upsilon$ 20'37	0°13'28
				behind sun begin	-1573 Jun 20 j 09:59	13° $\Upsilon$ 20'04	
conjunction	-1579 May 22 j 06:36	15° $\Upsilon$ 52'06	0°-8'-3	behind sun end	-1573 Jun 20 j 17:18	13° $\Upsilon$ 21'10	
minimum elong	-1579 May 22 j 06:35	15° $\Upsilon$ 52'06	0°08'03	retrograde	-1573 Oct 07 j 16:09	17° $\Upsilon$ 42'31	
behind sun begin	-1579 May 22 j 00:34	15° $\Upsilon$ 51'13		opposition	-1573 Dec 20 j 07:07	15° $\Upsilon$ 39'43	0°16'53
behind sun end	-1579 May 22 j 12:37	15° $\Upsilon$ 52'59		min. Earth dist.	-1573 Dec 21 j 06:10	15° $\Upsilon$ 37'12	17.49336 AU
retrograde	-1579 Sep 09 j 11:38	20° $\Upsilon$ 09'38		direct	-1572 Mar 04 j 19:21	13° $\Upsilon$ 34'08	
opposition	-1579 Nov 22 j 19:33	18° $\Upsilon$ 07'22	0°-6'-57				
min. Earth dist.	-1579 Nov 23 j 12:05	18° $\Upsilon$ 05'34	17.87095 AU	conjunction	-1572 Jun 24 j 16:55	18° $\Upsilon$ 01'30	0°16'55
direct	-1578 Feb 05 j 17:31	16° $\Upsilon$ 04'04		minimum elong	-1572 Jun 24 j 16:55	18° $\Upsilon$ 01'30	0°16'57
max. Earth dist.	-1578 May 26 j 08:59	20° $\Upsilon$ 19'15	19.83540 AU	max. Earth dist.	-1572 Jun 23 j 13:31	17° $\Upsilon$ 57'16	19.46849 AU
				retrograde	-1572 Oct 11 j 15:29	22° $\Upsilon$ 24'00	
conjunction	-1578 May 27 j 06:06	20° $\Upsilon$ 22'26	0°-4'-32	opposition	-1572 Dec 24 j 03:55	20° $\Upsilon$ 21'15	0°20'42
minimum elong	-1578 May 27 j 06:05	20° $\Upsilon$ 22'26	0°04'32	min. Earth dist.	-1572 Dec 25 j 03:24	20° $\Upsilon$ 18'40	17.44534 AU
behind sun begin	-1578 May 26 j 23:26	20° $\Upsilon$ 21'27		direct	-1571 Mar 09 j 18:34	18° $\Upsilon$ 15'26	
behind sun end	-1578 May 27 j 12:44	20° $\Upsilon$ 23'24					

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 23

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

conjunction	-1571 Jun 29 j 20:35	22°II44'05	0°20'18	direct	-1563 Apr 17 j 15:41	26°☿30'47	
minimum elong	-1571 Jun 29 j 20:34	22°II44'05	0°20'19		-1563 Jul 22 j 04:16	0°♃	
max. Earth dist.	-1571 Jun 28 j 15:32	22°II39'35	19.42297 AU	max. Earth dist.	-1563 Aug 07 j 06:16	1°♃00'34	19.23070 AU
retrograde	-1571 Oct 16 j 14:59	27°II07'09					
opposition	-1571 Dec 29 j 01:28	25°II04'27	0°24'25	conjunction	-1563 Aug 08 j 09:07	1°♃04'49	0°41'00
min. Earth dist.	-1571 Dec 30 j 01:45	25°II01'47	17.40240 AU	minimum elong	-1563 Aug 08 j 09:07	1°♃04'49	0°41'01
direct	-1570 Mar 14 j 18:15	22°II58'27		retrograde	-1563 Nov 23 j 21:03	5°♃29'06	
max. Earth dist.	-1570 Jul 03 j 20:21	27°II23'52	19.38233 AU	opposition	-1562 Feb 05 j 06:23	3°♃26'44	0°46'35
				min. Earth dist.	-1562 Feb 06 j 06:14	3°♃24'08	17.23069 AU
conjunction	-1570 Jul 05 j 00:49	27°II28'18	0°23'33	direct	-1562 Apr 22 j 19:24	1°♃19'50	
minimum elong	-1570 Jul 05 j 00:49	27°II28'18	0°23'35	max. Earth dist.	-1562 Aug 12 j 10:26	5°♃49'38	19.23138 AU
	-1570 Aug 17 j 00:00	0°☿					
retrograde	-1570 Oct 21 j 16:24	1°☿51'49		conjunction	-1562 Aug 13 j 12:47	5°♃53'49	0°42'28
	-1570 Dec 29 j 21:22	30°♃II		minimum elong	-1562 Aug 13 j 12:47	5°♃53'49	0°42'30
opposition	-1569 Jan 02 j 23:53	29°II49'13	0°27'59	retrograde	-1562 Nov 28 j 22:46	10°♃17'51	
min. Earth dist.	-1569 Jan 04 j 00:14	29°II46'33	17.36401 AU	opposition	-1561 Feb 10 j 08:51	8°♃15'32	0°48'03
direct	-1569 Mar 19 j 19:27	27°II43'03		min. Earth dist.	-1561 Feb 11 j 06:38	8°♃13'09	17.23464 AU
	-1569 Jun 02 j 22:08	0°☿		direct	-1561 Apr 28 j 02:05	6°♃08'38	
max. Earth dist.	-1569 Jul 08 j 23:34	2°☿09'19	19.34615 AU				
				conjunction	-1561 Aug 18 j 16:01	10°♃42'24	0°43'38
conjunction	-1569 Jul 10 j 05:21	2°☿13'58	0°26'41	minimum elong	-1561 Aug 18 j 16:01	10°♃42'24	0°43'39
minimum elong	-1569 Jul 10 j 05:21	2°☿13'58	0°26'43	max. Earth dist.	-1561 Aug 17 j 16:13	10°♃38'38	19.23868 AU
retrograde	-1569 Oct 26 j 16:26	6°☿37'53			-1561 Nov 19 j 06:57	15°♃	
opposition	-1568 Jan 07 j 23:07	4°☿35'20	0°31'23	retrograde	-1561 Dec 03 j 22:21	15°♃06'08	
min. Earth dist.	-1568 Jan 09 j 00:27	4°☿32'34	17.33023 AU		-1561 Dec 18 j 18:59	15°♃♃	
direct	-1568 Mar 23 j 19:43	2°☿29'00		opposition	-1560 Feb 15 j 11:44	13°♃03'53	0°49'11
max. Earth dist.	-1568 Jul 13 j 04:53	6°☿56'16	19.31459 AU	min. Earth dist.	-1560 Feb 16 j 08:58	13°♃01'35	17.24542 AU
				direct	-1560 May 02 j 06:13	10°♃57'05	
					-1560 Aug 14 j 18:15	15°♃	
conjunction	-1568 Jul 14 j 10:10	7°☿00'51	0°29'38				
minimum elong	-1568 Jul 14 j 10:10	7°☿00'51	0°29'39	conjunction	-1560 Aug 22 j 18:36	15°♃30'29	0°44'29
retrograde	-1568 Oct 30 j 19:04	11°☿25'04		minimum elong	-1560 Aug 22 j 18:36	15°♃30'29	0°44'30
opposition	-1567 Jan 11 j 23:03	9°☿22'34	0°34'35	max. Earth dist.	-1560 Aug 21 j 19:32	15°♃26'50	19.25309 AU
min. Earth dist.	-1567 Jan 12 j 23:52	9°☿19'51	17.30092 AU	retrograde	-1560 Dec 07 j 23:39	19°♃53'52	
direct	-1567 Mar 28 j 23:05	7°☿16'06		opposition	-1559 Feb 19 j 14:34	17°♃51'42	0°49'59
max. Earth dist.	-1567 Jul 18 j 09:09	11°☿44'02	19.28753 AU	min. Earth dist.	-1559 Feb 20 j 09:27	17°♃49'40	17.26336 AU
				direct	-1559 May 07 j 11:28	15°♃45'03	
conjunction	-1567 Jul 19 j 14:55	11°☿48'43	0°32'23				
minimum elong	-1567 Jul 19 j 14:55	11°☿48'43	0°32'25	conjunction	-1559 Aug 27 j 20:43	20°♃17'59	0°45'02
retrograde	-1567 Nov 04 j 18:39	16°☿13'08		minimum elong	-1559 Aug 27 j 20:43	20°♃17'59	0°45'04
opposition	-1566 Jan 16 j 23:40	14°☿10'41	0°37'32	max. Earth dist.	-1559 Aug 27 j 00:40	20°♃14'48	19.27448 AU
min. Earth dist.	-1566 Jan 18 j 01:23	14°☿07'52	17.27631 AU	retrograde	-1559 Dec 12 j 23:43	24°♃40'55	
direct	-1566 Apr 03 j 00:27	12°☿04'04		opposition	-1558 Feb 24 j 17:36	22°♃38'56	0°50'25
				min. Earth dist.	-1558 Feb 25 j 11:26	22°♃37'00	17.28798 AU
conjunction	-1566 Jul 24 j 19:49	16°☿37'18	0°34'55	direct	-1558 May 12 j 15:32	20°♃32'30	
minimum elong	-1566 Jul 24 j 19:48	16°☿37'18	0°34'56				
max. Earth dist.	-1566 Jul 23 j 14:24	16°☿32'40	19.26534 AU	conjunction	-1558 Sep 01 j 22:07	25°♃04'49	0°45'17
retrograde	-1566 Nov 09 j 20:56	21°☿01'49		minimum elong	-1558 Sep 01 j 22:07	25°♃04'49	0°45'17
opposition	-1565 Jan 22 j 00:34	18°☿59'23	0°40'15	max. Earth dist.	-1558 Sep 01 j 02:52	25°♃01'46	19.30243 AU
min. Earth dist.	-1565 Jan 23 j 01:17	18°☿56'41	17.25653 AU	retrograde	-1558 Dec 18 j 00:22	29°♃27'17	
direct	-1565 Apr 08 j 05:49	16°☿52'40		opposition	-1557 Mar 01 j 20:30	27°♃25'27	0°50'30
max. Earth dist.	-1565 Jul 28 j 19:41	21°☿21'46	19.24811 AU	min. Earth dist.	-1557 Mar 02 j 12:16	27°♃23'46	17.31899 AU
				direct	-1557 May 17 j 19:40	25°♃19'18	
conjunction	-1565 Jul 30 j 00:38	21°☿26'21	0°37'13				
minimum elong	-1565 Jul 30 j 00:38	21°☿26'21	0°37'14	conjunction	-1557 Sep 06 j 23:02	29°♃50'53	0°45'13
retrograde	-1565 Nov 14 j 20:10	25°☿50'52		minimum elong	-1557 Sep 06 j 23:02	29°♃50'53	0°45'14
opposition	-1564 Jan 27 j 02:15	23°☿48'28	0°42'40	max. Earth dist.	-1557 Sep 06 j 06:52	29°♃48'19	19.33639 AU
min. Earth dist.	-1564 Jan 28 j 03:36	23°☿45'42	17.24207 AU		-1557 Sep 09 j 08:32	0°♃	
direct	-1564 Apr 12 j 08:46	21°☿41'40		retrograde	-1557 Dec 23 j 00:32	4°♃12'47	
max. Earth dist.	-1564 Aug 02 j 00:29	26°☿11'05	19.23649 AU	opposition	-1556 Mar 05 j 23:36	2°♃11'10	0°50'15
				min. Earth dist.	-1556 Mar 06 j 13:53	2°♃09'38	17.35557 AU
conjunction	-1564 Aug 03 j 04:57	26°☿15'36	0°39'15	direct	-1556 May 21 j 23:55	0°♃05'20	
minimum elong	-1564 Aug 03 j 04:57	26°☿15'35	0°39'17				
	-1564 Oct 12 j 00:56	0°♃		conjunction	-1556 Sep 10 j 22:57	4°♃36'00	0°44'50
retrograde	-1564 Nov 18 j 22:03	0°♃40'03		minimum elong	-1556 Sep 10 j 22:57	4°♃36'00	0°44'51
	-1564 Dec 27 j 16:41	30°♃☿		max. Earth dist.	-1556 Sep 10 j 07:48	4°♃33'36	19.37560 AU
opposition	-1563 Jan 31 j 04:08	28°☿37'39	0°44'47	retrograde	-1556 Dec 27 j 00:08	8°♃57'20	
min. Earth dist.	-1563 Feb 01 j 03:49	28°☿35'04	17.23331 AU				

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 24

Attention, astronomical year style is used: The year -1555 in astronomical counting style is the year 1556 BCE in historical counting style.

opposition	-1555 Mar 11 j 02:31	6°♄55'53	0°49'39	opposition	-1547 Apr 18 j 11:51	13°♌56'44	0°33'59
min. Earth dist.	-1555 Mar 11 j 15:04	6°♄54'32	17.39722 AU	min. Earth dist.	-1547 Apr 18 j 09:13	13°♌57'00	17.84825 AU
direct	-1555 May 27 j 03:20	4°♄50'22		direct	-1547 Jul 04 j 17:33	11°♌54'00	
conjunction	-1555 Sep 15 j 22:24	9°♄20'02	0°44'09	conjunction	-1547 Oct 22 j 07:58	16°♌12'00	0°29'14
minimum elong	-1555 Sep 15 j 22:24	9°♄20'02	0°44'09	minimum elong	-1547 Oct 22 j 07:58	16°♌12'00	0°29'13
max. Earth dist.	-1555 Sep 15 j 10:02	9°♄18'05	19.41949 AU	max. Earth dist.	-1547 Oct 22 j 11:52	16°♌12'36	19.88235 AU
retrograde	-1555 Dec 31 j 23:31	13°♄40'41		retrograde	-1546 Feb 06 j 14:18	20°♌25'50	
opposition	-1554 Mar 16 j 05:06	11°♄39'25	0°48'42	opposition	-1546 Apr 23 j 10:02	18°♌25'22	0°30'58
min. Earth dist.	-1554 Mar 16 j 15:48	11°♄38'16	17.44302 AU	min. Earth dist.	-1546 Apr 23 j 04:04	18°♌25'59	17.91679 AU
direct	-1554 Jun 01 j 07:46	9°♄34'16		direct	-1546 Jul 09 j 16:24	16°♌23'01	
conjunction	-1554 Sep 20 j 20:58	14°♄02'47	0°43'10	conjunction	-1546 Oct 26 j 22:51	20°♌39'23	0°26'28
minimum elong	-1554 Sep 20 j 20:58	14°♄02'47	0°43'11	minimum elong	-1546 Oct 26 j 22:51	20°♌39'23	0°26'26
max. Earth dist.	-1554 Sep 20 j 09:46	14°♄01'01	19.46723 AU	max. Earth dist.	-1546 Oct 27 j 05:40	20°♌40'26	19.95210 AU
retrograde	-1553 Jan 05 j 21:36	18°♄22'44		retrograde	-1545 Feb 11 j 06:08	24°♌52'19	
opposition	-1553 Mar 21 j 07:38	16°♄21'35	0°47'27	opposition	-1545 Apr 28 j 07:53	22°♌51'59	0°27'48
min. Earth dist.	-1553 Mar 21 j 16:55	16°♄20'36	17.49258 AU	min. Earth dist.	-1545 Apr 28 j 00:40	22°♌52'44	17.98767 AU
direct	-1553 Jun 06 j 10:34	14°♄16'47		direct	-1545 Jul 14 j 11:38	20°♌50'06	
conjunction	-1553 Sep 25 j 18:37	18°♄44'03	0°41'54	conjunction	-1545 Oct 31 j 12:39	25°♌04'47	0°23'33
minimum elong	-1553 Sep 25 j 18:37	18°♄44'03	0°41'54	minimum elong	-1545 Oct 31 j 12:39	25°♌04'47	0°23'32
max. Earth dist.	-1553 Sep 25 j 09:55	18°♄42'41	19.51845 AU	max. Earth dist.	-1545 Oct 31 j 21:04	25°♌06'04	20.02403 AU
retrograde	-1552 Jan 10 j 19:37	23°♄03'13		retrograde	-1544 Feb 16 j 00:13	29°♌16'50	
opposition	-1552 Mar 25 j 09:46	21°♄02'13	0°45'52	opposition	-1544 May 02 j 04:50	27°♌16'39	0°24'29
min. Earth dist.	-1552 Mar 25 j 16:38	21°♄01'30	17.54517 AU	min. Earth dist.	-1544 May 01 j 18:26	27°♌17'43	18.06033 AU
direct	-1552 Jun 10 j 15:12	18°♄57'47		direct	-1544 Jul 18 j 08:50	25°♌15'12	
conjunction	-1552 Sep 29 j 15:24	23°♄23'39	0°40'22	conjunction	-1544 Nov 04 j 01:49	29°♌28'17	0°20'31
minimum elong	-1552 Sep 29 j 15:24	23°♄23'39	0°40'23	minimum elong	-1544 Nov 04 j 01:49	29°♌28'17	0°20'31
max. Earth dist.	-1552 Sep 29 j 08:18	23°♄22'33	19.57252 AU	max. Earth dist.	-1544 Nov 04 j 13:11	29°♌30'00	20.09723 AU
retrograde	-1551 Jan 14 j 15:45	27°♄42'02		retrograde	-1544 Nov 12 j 17:49	0°♌	
opposition	-1551 Mar 30 j 11:21	25°♄41'07	0°43'59	retrograde	-1543 Feb 19 j 15:06	3°♌39'26	
min. Earth dist.	-1551 Mar 30 j 17:05	25°♄40'31	17.60067 AU	opposition	-1543 May 07 j 01:02	1°♌39'25	0°21'03
direct	-1551 Jun 15 j 16:39	23°♄37'01		min. Earth dist.	-1543 May 06 j 13:41	1°♌40'34	18.13394 AU
conjunction	-1551 Oct 04 j 11:11	28°♄01'27	0°38'34	direct	-1543 Jul 23 j 02:36	29°♌38'27	
minimum elong	-1551 Oct 04 j 11:11	28°♄01'27	0°38'34	direct	-1543 Aug 21 j 03:16	0°♌	
max. Earth dist.	-1551 Oct 04 j 06:16	28°♄00'40	19.62937 AU	conjunction	-1543 Nov 08 j 14:05	3°♌49'53	0°17'24
retrograde	-1551 Nov 06 j 03:50	0°♌		minimum elong	-1543 Nov 08 j 14:05	3°♌49'53	0°17'23
retrograde	-1550 Jan 19 j 12:22	2°♌18'56		max. Earth dist.	-1543 Nov 09 j 02:31	3°♌51'46	20.17109 AU
opposition	-1550 Apr 04 j 12:21	0°♌18'08	0°41'51	retrograde	-1542 Feb 24 j 07:34	8°♌00'11	
min. Earth dist.	-1550 Apr 04 j 15:19	0°♌17'50	17.65861 AU	opposition	-1542 May 11 j 20:30	6°♌00'19	0°17'31
direct	-1550 Apr 11 j 17:58	30°♌		min. Earth dist.	-1542 May 11 j 06:26	6°♌01'45	18.20779 AU
direct	-1550 Jun 20 j 19:50	28°♄14'21		direct	-1542 Jul 27 j 22:05	3°♌59'49	
direct	-1550 Aug 25 j 06:24	0°♌					
conjunction	-1550 Oct 09 j 05:56	2°♌37'15	0°36'32	conjunction	-1542 Nov 13 j 01:37	8°♌09'39	0°14'12
minimum elong	-1550 Oct 09 j 05:56	2°♌37'15	0°36'32	minimum elong	-1542 Nov 13 j 01:37	8°♌09'39	0°14'11
max. Earth dist.	-1550 Oct 09 j 03:09	2°♌36'49	19.68858 AU	behind sun begin	-1542 Nov 12 j 22:17	8°♌09'10	
retrograde	-1549 Jan 24 j 06:46	6°♌53'51		behind sun end	-1542 Nov 13 j 04:57	8°♌10'09	
opposition	-1549 Apr 09 j 12:53	4°♌53'07	0°39'27	max. Earth dist.	-1542 Nov 13 j 16:50	8°♌11'57	20.24464 AU
min. Earth dist.	-1549 Apr 09 j 14:44	4°♌52'56	17.71914 AU	retrograde	-1541 Feb 28 j 21:27	12°♌19'07	
direct	-1549 Jun 25 j 19:27	2°♌49'40		opposition	-1541 May 16 j 15:26	10°♌19'24	0°13'54
conjunction	-1549 Oct 13 j 23:37	7°♌10'58	0°34'17	min. Earth dist.	-1541 May 16 j 00:32	10°♌20'55	18.28098 AU
minimum elong	-1549 Oct 13 j 23:37	7°♌10'58	0°34'17	direct	-1541 Aug 01 j 14:58	8°♌19'21	
max. Earth dist.	-1549 Oct 13 j 22:57	7°♌10'52	19.75050 AU				
retrograde	-1548 Jan 29 j 02:21	11°♌26'39		conjunction	-1541 Nov 17 j 12:24	12°♌27'36	0°10'56
opposition	-1548 Apr 13 j 12:39	9°♌25'59	0°36'49	minimum elong	-1541 Nov 17 j 12:24	12°♌27'36	0°10'54
min. Earth dist.	-1548 Apr 13 j 11:15	9°♌26'08	17.78231 AU	behind sun begin	-1541 Nov 17 j 07:23	12°♌26'52	
direct	-1548 Jun 29 j 20:28	7°♌22'53		behind sun end	-1541 Nov 17 j 17:25	12°♌28'20	
conjunction	-1548 Oct 17 j 16:16	11°♌42'33	0°31'51	max. Earth dist.	-1541 Nov 18 j 04:18	12°♌29'59	20.31730 AU
minimum elong	-1548 Oct 17 j 16:16	11°♌42'33	0°31'50	retrograde	-1540 Mar 01 j 17:49	15°♌	
max. Earth dist.	-1548 Oct 17 j 18:19	11°♌42'52	19.81502 AU	retrograde	-1540 Mar 04 j 12:23	16°♌36'15	
retrograde	-1547 Feb 01 j 19:22	15°♌57'19		retrograde	-1540 May 10 j 17:45	15°♌	
				opposition	-1540 May 20 j 09:25	14°♌36'40	0°10'14
				min. Earth dist.	-1540 May 19 j 16:17	14°♌38'24	18.35295 AU



Attention, astronomical year style is used: The year -1540 in astronomical counting style is the year 1541 BCE in historical counting style.

direct	-1540 Aug 05 j 08:08	12° $\mathbb{M}$ 37'01		conjunction	-1534 Dec 15 j 21:29	11° $\mathbb{A}$ 42'48	0°-12'-4
	-1540 Oct 22 j 06:59	15° $\mathbb{M}$		minimum elong	-1534 Dec 15 j 21:29	11° $\mathbb{A}$ 42'49	0°12'07
conjunction	-1540 Nov 20 j 22:37	16° $\mathbb{M}$ 43'45	0°07'38	behind sun begin	-1534 Dec 15 j 16:59	11° $\mathbb{A}$ 42'10	
minimum elong	-1540 Nov 20 j 22:37	16° $\mathbb{M}$ 43'45	0°07'37	behind sun end	-1534 Dec 16 j 01:59	11° $\mathbb{A}$ 43'27	
behind sun begin	-1540 Nov 20 j 16:40	16° $\mathbb{M}$ 42'52		max. Earth dist.	-1534 Dec 16 j 23:00	11° $\mathbb{A}$ 46'33	20.75865 AU
behind sun end	-1540 Nov 21 j 04:34	16° $\mathbb{M}$ 44'37		retrograde	-1533 Apr 03 j 18:58	15° $\mathbb{A}$ 46'24	
max. Earth dist.	-1540 Nov 21 j 16:56	16° $\mathbb{M}$ 46'29	20.38820 AU	opposition	-1533 Jun 20 j 17:11	13° $\mathbb{A}$ 47'08	0°-15'-3
retrograde	-1539 Mar 09 j 01:10	20° $\mathbb{M}$ 51'35		min. Earth dist.	-1533 Jun 19 j 16:23	13° $\mathbb{A}$ 49'37	18.78569 AU
min. Earth dist.	-1539 May 24 j 08:56	18° $\mathbb{M}$ 53'55	18.42275 AU	direct	-1533 Sep 05 j 04:56	11° $\mathbb{A}$ 49'35	
opposition	-1539 May 25 j 02:44	18° $\mathbb{M}$ 52'06	0°06'33	conjunction	-1533 Dec 20 j 03:19	15° $\mathbb{A}$ 46'55	0°-15'-8
direct	-1539 Aug 09 j 23:55	16° $\mathbb{M}$ 52'51		minimum elong	-1533 Dec 20 j 03:19	15° $\mathbb{A}$ 46'55	0°15'10
conjunction	-1539 Nov 25 j 08:01	20° $\mathbb{M}$ 58'04	0°04'19	behind sun begin	-1533 Dec 20 j 00:53	15° $\mathbb{A}$ 46'34	
minimum elong	-1539 Nov 25 j 08:01	20° $\mathbb{M}$ 58'04	0°04'17	behind sun end	-1533 Dec 20 j 05:44	15° $\mathbb{A}$ 47'16	
behind sun begin	-1539 Nov 25 j 01:35	20° $\mathbb{M}$ 57'08		max. Earth dist.	-1533 Dec 21 j 04:45	15° $\mathbb{A}$ 50'38	20.81180 AU
behind sun end	-1539 Nov 25 j 14:26	20° $\mathbb{M}$ 59'00		retrograde	-1532 Apr 07 j 05:10	19° $\mathbb{A}$ 49'58	
max. Earth dist.	-1539 Nov 26 j 02:32	21° $\mathbb{M}$ 00'50	20.45676 AU	min. Earth dist.	-1532 Jun 23 j 03:05	17° $\mathbb{A}$ 53'19	18.83777 AU
retrograde	-1538 Mar 13 j 14:20	25° $\mathbb{M}$ 05'08		opposition	-1532 Jun 24 j 04:47	17° $\mathbb{A}$ 50'45	0°-18'-24
opposition	-1538 May 29 j 19:09	23° $\mathbb{M}$ 05'44	0°02'50	direct	-1532 Sep 08 j 13:39	15° $\mathbb{A}$ 53'27	
min. Earth dist.	-1538 May 28 j 23:34	23° $\mathbb{M}$ 07'42	18.49001 AU	conjunction	-1532 Dec 23 j 08:52	19° $\mathbb{A}$ 49'47	0°-18'-6
direct	-1538 Aug 14 j 14:57	21° $\mathbb{M}$ 06'49		minimum elong	-1532 Dec 23 j 08:52	19° $\mathbb{A}$ 49'47	0°18'09
conjunction	-1538 Nov 29 j 16:55	25° $\mathbb{M}$ 10'35	0°00'56	max. Earth dist.	-1532 Dec 24 j 12:18	19° $\mathbb{A}$ 53'46	20.86249 AU
minimum elong	-1538 Nov 29 j 16:55	25° $\mathbb{M}$ 10'35	0°00'55	retrograde	-1531 Apr 11 j 13:04	23° $\mathbb{A}$ 52'20	
behind sun begin	-1538 Nov 29 j 10:24	25° $\mathbb{M}$ 09'38		opposition	-1531 Jun 28 j 15:46	21° $\mathbb{A}$ 53'12	0°-21'-37
behind sun end	-1538 Nov 29 j 23:27	25° $\mathbb{M}$ 11'31		min. Earth dist.	-1531 Jun 27 j 13:16	21° $\mathbb{A}$ 55'50	18.88706 AU
max. Earth dist.	-1538 Nov 30 j 13:41	25° $\mathbb{M}$ 13'40	20.52254 AU	direct	-1531 Sep 12 j 22:46	19° $\mathbb{A}$ 56'09	
desc. node	-1537 Mar 10 j 07:25	29° $\mathbb{M}$ 15'21		conjunction	-1531 Dec 27 j 13:52	23° $\mathbb{A}$ 51'32	0°-20'-59
retrograde	-1537 Mar 18 j 01:57	29° $\mathbb{M}$ 16'52		minimum elong	-1531 Dec 27 j 13:52	23° $\mathbb{A}$ 51'32	0°21'01
opposition	-1537 Jun 03 j 10:54	27° $\mathbb{M}$ 17'32	0°00'-50	max. Earth dist.	-1531 Dec 28 j 17:00	23° $\mathbb{A}$ 55'29	20.91033 AU
min. Earth dist.	-1537 Jun 02 j 14:36	27° $\mathbb{M}$ 19'34	18.55436 AU	retrograde	-1530 Apr 15 j 22:27	27° $\mathbb{A}$ 53'41	
direct	-1537 Aug 19 j 05:30	25° $\mathbb{M}$ 18'56		min. Earth dist.	-1530 Jul 01 j 23:17	25° $\mathbb{A}$ 57'18	18.93341 AU
conjunction	-1537 Dec 04 j 00:54	29° $\mathbb{M}$ 21'15	0°-2'-27	opposition	-1530 Jul 03 j 02:15	25° $\mathbb{A}$ 54'37	0°-24'-44
minimum elong	-1537 Dec 04 j 00:53	29° $\mathbb{M}$ 21'15	0°02'30	direct	-1530 Sep 17 j 05:39	23° $\mathbb{A}$ 57'50	
behind sun begin	-1537 Dec 03 j 18:22	29° $\mathbb{M}$ 20'19		conjunction	-1530 Dec 31 j 18:54	27° $\mathbb{A}$ 52'22	0°-23'-44
behind sun end	-1537 Dec 04 j 07:24	29° $\mathbb{M}$ 22'12		minimum elong	-1530 Dec 31 j 18:54	27° $\mathbb{A}$ 52'22	0°23'47
max. Earth dist.	-1537 Dec 04 j 21:47	29° $\mathbb{M}$ 24'21	20.58549 AU	max. Earth dist.	-1529 Jan 01 j 23:44	27° $\mathbb{A}$ 56'33	20.95492 AU
retrograde	-1536 Mar 21 j 13:38	3° $\mathbb{A}$ 26'49			-1529 Feb 08 j 10:41	0° $\mathbb{B}$	
min. Earth dist.	-1536 Jun 06 j 03:59	1° $\mathbb{A}$ 29'40	18.61596 AU	retrograde	-1529 Apr 20 j 06:30	1° $\mathbb{B}$ 54'09	
opposition	-1536 Jun 07 j 01:44	1° $\mathbb{A}$ 27'29	0°-4'-29		-1529 Jul 05 j 11:32	30° $\mathbb{R}$ $\mathbb{A}$	
direct	-1536 Aug 22 j 18:30	29° $\mathbb{M}$ 29'10		min. Earth dist.	-1529 Jul 06 j 08:39	29° $\mathbb{A}$ 57'54	18.97616 AU
	-1536 Sep 26 j 14:07	0° $\mathbb{A}$		opposition	-1529 Jul 07 j 12:07	29° $\mathbb{A}$ 55'10	0°-27'-43
conjunction	-1536 Dec 07 j 08:28	3° $\mathbb{A}$ 30'08	0°-5'-44	direct	-1529 Sep 21 j 13:56	27° $\mathbb{A}$ 58'37	
minimum elong	-1536 Dec 07 j 08:27	3° $\mathbb{A}$ 30'08	0°05'47		-1529 Dec 02 j 05:47	0° $\mathbb{B}$	
behind sun begin	-1536 Dec 07 j 02:11	3° $\mathbb{A}$ 29'14		conjunction	-1528 Jan 04 j 23:36	1° $\mathbb{B}$ 52'24	0°-26'-22
behind sun end	-1536 Dec 07 j 14:43	3° $\mathbb{A}$ 31'02		minimum elong	-1528 Jan 04 j 23:36	1° $\mathbb{B}$ 52'24	0°26'26
max. Earth dist.	-1536 Dec 08 j 07:34	3° $\mathbb{A}$ 33'32	20.64563 AU	max. Earth dist.	-1528 Jan 06 j 03:42	1° $\mathbb{B}$ 56'27	20.99571 AU
retrograde	-1535 Mar 25 j 23:37	7° $\mathbb{A}$ 34'58		retrograde	-1528 Apr 23 j 15:23	5° $\mathbb{B}$ 53'53	
opposition	-1535 Jun 11 j 15:33	5° $\mathbb{A}$ 35'40	0°-8'-5	opposition	-1528 Jul 10 j 21:34	3° $\mathbb{B}$ 54'57	0°-30'-34
min. Earth dist.	-1535 Jun 10 j 17:02	5° $\mathbb{A}$ 37'55	18.67481 AU	min. Earth dist.	-1528 Jul 09 j 18:15	3° $\mathbb{B}$ 57'40	19.01490 AU
direct	-1535 Aug 27 j 07:19	3° $\mathbb{A}$ 37'36		direct	-1528 Sep 24 j 19:20	1° $\mathbb{B}$ 58'37	
conjunction	-1535 Dec 11 j 15:13	7° $\mathbb{A}$ 37'16	0°-8'-56	conjunction	-1527 Jan 08 j 04:27	5° $\mathbb{B}$ 51'44	0°-28'-53
minimum elong	-1535 Dec 11 j 15:13	7° $\mathbb{A}$ 37'16	0°08'58	minimum elong	-1527 Jan 08 j 04:27	5° $\mathbb{B}$ 51'44	0°28'55
behind sun begin	-1535 Dec 11 j 09:36	7° $\mathbb{A}$ 36'28		max. Earth dist.	-1527 Jan 09 j 09:45	5° $\mathbb{B}$ 55'57	21.03206 AU
behind sun end	-1535 Dec 11 j 20:51	7° $\mathbb{A}$ 38'05		retrograde	-1527 Apr 27 j 23:20	9° $\mathbb{B}$ 52'56	
max. Earth dist.	-1535 Dec 12 j 14:25	7° $\mathbb{A}$ 40'41	20.70328 AU	min. Earth dist.	-1527 Jul 14 j 02:54	7° $\mathbb{B}$ 56'48	19.04879 AU
retrograde	-1534 Mar 30 j 10:20	11° $\mathbb{A}$ 41'27		opposition	-1527 Jul 15 j 06:18	7° $\mathbb{B}$ 54'04	0°-33'-15
min. Earth dist.	-1534 Jun 15 j 04:55	9° $\mathbb{A}$ 44'33	18.73143 AU	direct	-1527 Sep 29 j 02:55	5° $\mathbb{B}$ 57'55	
opposition	-1534 Jun 16 j 04:44	9° $\mathbb{A}$ 42'10	0°-11'-37	conjunction	-1526 Jan 12 j 09:05	9° $\mathbb{B}$ 50'27	0°-31'-15
direct	-1534 Aug 31 j 18:07	7° $\mathbb{A}$ 44'20		minimum elong	-1526 Jan 12 j 09:05	9° $\mathbb{B}$ 50'27	0°31'18
				max. Earth dist.	-1526 Jan 13 j 13:07	9° $\mathbb{B}$ 54'28	21.06341 AU
				retrograde	-1526 May 02 j 07:56	13° $\mathbb{B}$ 51'27	

Planetary Phenomena of Uranus from -1900 through -1400 (UT), Astrodienst AG 14-Nov-2015 16:08, page 26

Attention, astronomical year style is used: The year -1526 in astronomical counting style is the year 1527 BCE in historical counting style.

opposition	-1526 Jul 19 j 14:53	11°♁52'36	0°-35'-46	retrograde	-1518 Jun 03 j 20:39	15°♁25'36	
min. Earth dist.	-1526 Jul 18 j 12:07	11°♁55'16	19.07755 AU		-1518 Jul 07 j 02:35	15°♁	
direct	-1526 Oct 03 j 07:56	9°♁56'35		opposition	-1518 Aug 20 j 21:05	13°♁26'09	0°-48'-51
				min. Earth dist.	-1518 Aug 19 j 23:36	13°♁28'19	19.11758 AU
conjunction	-1525 Jan 16 j 13:48	13°♁48'36	0°-33'-27	direct	-1518 Nov 03 j 21:47	11°♁29'57	
minimum elong	-1525 Jan 16 j 13:48	13°♁48'36	0°33'29		-1517 Feb 11 j 01:10	15°♁	
max. Earth dist.	-1525 Jan 17 j 18:37	13°♁52'44	21.08927 AU				
retrograde	-1525 May 06 j 15:43	17°♁49'26		conjunction	-1517 Feb 17 j 05:59	15°♁21'07	0°-44'-33
opposition	-1525 Jul 23 j 22:57	15°♁50'34	0°-38'-7	minimum elong	-1517 Feb 17 j 05:59	15°♁21'07	0°44'35
min. Earth dist.	-1525 Jul 22 j 20:15	15°♁53'14	19.10048 AU	max. Earth dist.	-1517 Feb 18 j 05:54	15°♁24'30	21.11041 AU
direct	-1525 Oct 07 j 14:35	13°♁54'39		retrograde	-1517 Jun 08 j 05:30	19°♁22'28	
				min. Earth dist.	-1517 Aug 24 j 05:40	17°♁25'07	19.10310 AU
conjunction	-1524 Jan 20 j 18:29	17°♁46'13	0°-35'-30	opposition	-1517 Aug 25 j 02:49	17°♁22'58	0°-49'-31
minimum elong	-1524 Jan 20 j 18:29	17°♁46'13	0°35'32	direct	-1517 Nov 08 j 02:52	15°♁26'44	
max. Earth dist.	-1524 Jan 21 j 21:39	17°♁50'06	21.10931 AU				
retrograde	-1524 May 09 j 23:51	21°♁46'55		conjunction	-1516 Feb 21 j 12:12	19°♁18'15	0°-45'-2
min. Earth dist.	-1524 Jul 26 j 04:54	19°♁50'33	19.11766 AU	minimum elong	-1516 Feb 21 j 12:12	19°♁18'15	0°45'04
opposition	-1524 Jul 27 j 06:32	19°♁48'00	0°-40'-16	max. Earth dist.	-1516 Feb 22 j 09:55	19°♁21'19	21.09398 AU
direct	-1524 Oct 10 j 19:32	17°♁52'05		retrograde	-1516 Jun 11 j 13:26	23°♁19'59	
				opposition	-1516 Aug 28 j 08:32	21°♁20'26	0°-49'-56
conjunction	-1523 Jan 23 j 23:18	21°♁43'19	0°-37'-22	min. Earth dist.	-1516 Aug 27 j 13:15	21°♁22'23	19.08461 AU
minimum elong	-1523 Jan 23 j 23:18	21°♁43'19	0°37'23	direct	-1516 Nov 11 j 05:25	19°♁24'06	
max. Earth dist.	-1523 Jan 25 j 02:59	21°♁47'16	21.12359 AU				
retrograde	-1523 May 14 j 07:12	25°♁43'54		conjunction	-1515 Feb 24 j 19:06	23°♁16'06	0°-45'-19
opposition	-1523 Jul 31 j 13:41	23°♁44'55	0°-42'-14	minimum elong	-1515 Feb 24 j 19:06	23°♁16'06	0°45'22
min. Earth dist.	-1523 Jul 30 j 12:12	23°♁47'28	19.12910 AU	max. Earth dist.	-1515 Feb 25 j 16:41	23°♁19'10	21.07336 AU
direct	-1523 Oct 15 j 01:11	21°♁49'00		retrograde	-1515 Jun 15 j 22:38	27°♁18'15	
				opposition	-1515 Sep 01 j 14:18	25°♁18'41	0°-50'-8
conjunction	-1522 Jan 28 j 03:48	25°♁39'57	0°-39'-3	min. Earth dist.	-1515 Aug 31 j 19:36	25°♁20'35	19.06167 AU
minimum elong	-1522 Jan 28 j 03:48	25°♁39'57	0°39'05	direct	-1515 Nov 15 j 10:41	23°♁22'17	
max. Earth dist.	-1522 Jan 29 j 05:53	25°♁43'40	21.13244 AU				
retrograde	-1522 May 18 j 14:40	29°♁40'31		conjunction	-1514 Mar 01 j 02:15	27°♁14'49	0°-45'-23
opposition	-1522 Aug 04 j 20:37	27°♁41'24	0°-43'-59	minimum elong	-1514 Mar 01 j 02:15	27°♁14'49	0°45'25
min. Earth dist.	-1522 Aug 03 j 20:13	27°♁43'50	19.13549 AU	max. Earth dist.	-1514 Mar 01 j 21:18	27°♁17'32	21.04819 AU
direct	-1522 Oct 19 j 05:42	25°♁45'27			-1514 Apr 23 j 06:16	0°♁	
				retrograde	-1514 Jun 20 j 07:47	1°♁17'29	
conjunction	-1521 Feb 01 j 08:41	29°♁36'13	0°-40'-32		-1514 Aug 19 j 04:26	30°♁	
minimum elong	-1521 Feb 01 j 08:41	29°♁36'13	0°40'35	opposition	-1514 Sep 05 j 20:22	29°♁17'51	0°-50'-6
max. Earth dist.	-1521 Feb 02 j 11:24	29°♁40'01	21.13642 AU	min. Earth dist.	-1514 Sep 05 j 03:53	29°♁19'32	19.03411 AU
	-1521 Feb 08 j 07:47	0°♁		direct	-1514 Nov 19 j 14:05	27°♁21'19	
retrograde	-1521 May 22 j 22:08	3°♁36'48			-1513 Feb 11 j 06:18	0°♁	
min. Earth dist.	-1521 Aug 08 j 02:41	1°♁40'01	19.13718 AU				
opposition	-1521 Aug 09 j 03:00	1°♁37'35	0°-45'-32	conjunction	-1513 Mar 05 j 10:25	1°♁14'31	0°-45'-14
	-1521 Sep 26 j 04:38	30°♁♁		minimum elong	-1513 Mar 05 j 10:25	1°♁14'31	0°45'15
direct	-1521 Oct 23 j 10:47	29°♁41'35		max. Earth dist.	-1513 Mar 06 j 04:52	1°♁17'09	21.01812 AU
	-1521 Nov 19 j 06:14	0°♁		retrograde	-1513 Jun 24 j 17:09	5°♁17'41	
				min. Earth dist.	-1513 Sep 09 j 10:48	3°♁19'35	19.00135 AU
conjunction	-1520 Feb 05 j 13:34	3°♁32'17	0°-41'-50	opposition	-1513 Sep 10 j 02:20	3°♁18'00	0°-49'-49
minimum elong	-1520 Feb 05 j 13:34	3°♁32'17	0°41'52	direct	-1513 Nov 23 j 19:40	1°♁21'18	
max. Earth dist.	-1520 Feb 06 j 14:35	3°♁35'50	21.13597 AU				
retrograde	-1520 May 26 j 05:20	7°♁32'57		conjunction	-1512 Mar 08 j 19:06	5°♁15'13	0°-44'-52
min. Earth dist.	-1520 Aug 11 j 10:13	5°♁35'57	19.13467 AU	minimum elong	-1512 Mar 08 j 19:07	5°♁15'13	0°44'54
opposition	-1520 Aug 12 j 09:16	5°♁33'38	0°-46'-51	max. Earth dist.	-1512 Mar 09 j 10:27	5°♁17'24	20.98273 AU
direct	-1520 Oct 26 j 14:17	3°♁37'34		retrograde	-1512 Jun 28 j 03:00	9°♁18'57	
				opposition	-1512 Sep 13 j 08:43	7°♁19'09	0°-49'-16
conjunction	-1519 Feb 08 j 18:48	7°♁28'19	0°-42'-57	min. Earth dist.	-1512 Sep 12 j 19:45	7°♁20'28	18.96326 AU
minimum elong	-1519 Feb 08 j 18:48	7°♁28'19	0°42'59	direct	-1512 Nov 27 j 00:15	5°♁22'14	
max. Earth dist.	-1519 Feb 09 j 20:17	7°♁31'57	21.13135 AU				
retrograde	-1519 May 30 j 13:20	11°♁29'08		conjunction	-1511 Mar 13 j 04:28	9°♁16'57	0°-44'-16
opposition	-1519 Aug 16 j 15:07	9°♁29'46	0°-47'-58	minimum elong	-1511 Mar 13 j 04:28	9°♁16'57	0°44'16
min. Earth dist.	-1519 Aug 15 j 16:12	9°♁32'04	19.12801 AU	max. Earth dist.	-1511 Mar 13 j 18:54	9°♁19'00	20.94195 AU
direct	-1519 Oct 30 j 19:13	7°♁33'38		retrograde	-1511 Jul 02 j 12:38	13°♁21'14	
				opposition	-1511 Sep 17 j 15:09	11°♁21'18	0°-48'-30
conjunction	-1518 Feb 13 j 00:09	11°♁24'32	0°-43'-51	min. Earth dist.	-1511 Sep 17 j 03:08	11°♁22'32	18.91974 AU
minimum elong	-1518 Feb 13 j 00:09	11°♁24'32	0°43'52	direct	-1511 Dec 01 j 06:33	9°♁24'07	
max. Earth dist.	-1518 Feb 13 j 23:47	11°♁27'53	21.12281 AU				
	-1518 May 02 j 02:02	15°♁		conjunction	-1510 Mar 17 j 14:20	13°♁19'41	0°-43'-26

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 Mar 17 j 14:20	13° <del>♄</del> 19'41	0°43'28	minimum elong	-1502 Apr 21 j 00:12	16° <del>♃</del> 27'06	0°29'11
max. Earth dist.	-1510 Mar 18 j 01:39	13° <del>♄</del> 21'18	20.89604 AU	max. Earth dist.	-1502 Apr 20 j 19:56	16° <del>♃</del> 26'29	20.41474 AU
retrograde	-1510 Jul 06 j 22:19	17° <del>♄</del> 24'35		retrograde	-1502 Aug 09 j 23:03	20° <del>♃</del> 38'11	
opposition	-1510 Sep 21 j 21:53	15° <del>♄</del> 24'28	0°-47'-28	opposition	-1502 Oct 24 j 15:41	18° <del>♃</del> 36'47	0°-30'-51
min. Earth dist.	-1510 Sep 21 j 12:32	15° <del>♄</del> 25'25	18.87147 AU	min. Earth dist.	-1502 Oct 24 j 20:07	18° <del>♃</del> 36'19	18.38085 AU
direct	-1510 Dec 05 j 12:15	13° <del>♄</del> 26'58		direct	-1501 Jan 07 j 05:37	16° <del>♃</del> 36'26	
conjunction	-1509 Mar 22 j 01:02	17° <del>♄</del> 23'28	0°-42'-23	conjunction	-1501 Apr 25 j 17:31	20° <del>♃</del> 43'12	0°-26'-30
minimum elong	-1509 Mar 22 j 01:02	17° <del>♄</del> 23'28	0°42'24	minimum elong	-1501 Apr 25 j 17:31	20° <del>♃</del> 43'12	0°26'31
max. Earth dist.	-1509 Mar 22 j 11:25	17° <del>♄</del> 24'57	20.84562 AU	max. Earth dist.	-1501 Apr 25 j 11:43	20° <del>♃</del> 42'22	20.34696 AU
retrograde	-1509 Jul 11 j 08:58	21° <del>♄</del> 28'59		retrograde	-1501 Aug 14 j 15:41	24° <del>♃</del> 55'13	
opposition	-1509 Sep 26 j 04:42	19° <del>♄</del> 28'40	0°-46'-12	opposition	-1501 Oct 29 j 02:19	22° <del>♃</del> 53'45	0°-27'-49
min. Earth dist.	-1509 Sep 25 j 20:19	19° <del>♄</del> 29'32	18.81887 AU	min. Earth dist.	-1501 Oct 29 j 07:42	22° <del>♃</del> 53'11	18.31231 AU
direct	-1509 Dec 09 j 19:28	17° <del>♄</del> 30'50		direct	-1500 Jan 11 j 17:57	20° <del>♃</del> 53'03	
conjunction	-1508 Mar 25 j 12:16	21° <del>♄</del> 28'19	0°-41'-7	conjunction	-1500 Apr 29 j 11:43	25° <del>♃</del> 01'26	0°-23'-40
minimum elong	-1508 Mar 25 j 12:16	21° <del>♄</del> 28'19	0°41'08	minimum elong	-1500 Apr 29 j 11:43	25° <del>♃</del> 01'26	0°23'41
max. Earth dist.	-1508 Mar 25 j 19:36	21° <del>♄</del> 29'22	20.79117 AU	max. Earth dist.	-1500 Apr 29 j 03:01	25° <del>♃</del> 00'10	20.27763 AU
retrograde	-1508 Jul 14 j 18:43	25° <del>♄</del> 34'31		retrograde	-1500 Aug 18 j 06:36	29° <del>♃</del> 14'23	
opposition	-1508 Sep 29 j 11:49	23° <del>♄</del> 34'00	0°-44'-41	opposition	-1500 Nov 01 j 13:48	27° <del>♃</del> 12'50	0°-24'-36
min. Earth dist.	-1508 Sep 29 j 06:06	23° <del>♄</del> 34'35	18.76274 AU	min. Earth dist.	-1500 Nov 01 j 22:07	27° <del>♃</del> 11'57	18.24231 AU
direct	-1508 Dec 13 j 01:41	21° <del>♄</del> 35'47		direct	-1499 Jan 15 j 04:44	25° <del>♃</del> 11'47	
conjunction	-1507 Mar 30 j 00:18	25° <del>♄</del> 34'22	0°-39'-38	conjunction	-1499 May 04 j 06:56	29° <del>♃</del> 21'47	0°-20'-41
minimum elong	-1507 Mar 30 j 00:18	25° <del>♄</del> 34'22	0°39'39	minimum elong	-1499 May 04 j 06:56	29° <del>♃</del> 21'47	0°20'40
max. Earth dist.	-1507 Mar 30 j 06:46	25° <del>♄</del> 35'18	20.73355 AU	max. Earth dist.	-1499 May 03 j 20:19	29° <del>♃</del> 20'13	20.20695 AU
retrograde	-1507 Jul 19 j 06:38	29° <del>♄</del> 41'16		retrograde	-1499 May 15 j 02:22	0° <del>♄</del>	
opposition	-1507 Oct 03 j 19:13	27° <del>♄</del> 40'33	0°-42'-56	retrograde	-1499 Aug 23 j 00:55	3° <del>♄</del> 35'41	
min. Earth dist.	-1507 Oct 03 j 14:16	27° <del>♄</del> 41'03	18.70366 AU	opposition	-1499 Nov 06 j 01:54	1° <del>♄</del> 34'01	0°-21'-12
direct	-1507 Dec 17 j 09:58	25° <del>♄</del> 41'58		min. Earth dist.	-1499 Nov 06 j 11:11	1° <del>♄</del> 33'02	18.17090 AU
conjunction	-1506 Apr 03 j 12:49	29° <del>♄</del> 41'43	0°-37'-56	direct	-1499 Dec 18 j 01:36	30° <del>♃</del>	
minimum elong	-1506 Apr 03 j 12:50	29° <del>♄</del> 41'43	0°37'56	direct	-1498 Jan 19 j 19:02	29° <del>♃</del> 32'34	
max. Earth dist.	-1506 Apr 03 j 16:24	29° <del>♄</del> 42'14	20.67326 AU	direct	-1498 Feb 21 j 02:59	0° <del>♄</del>	
retrograde	-1506 Apr 08 j 19:49	0° <del>♃</del>		conjunction	-1498 May 09 j 03:02	3° <del>♄</del> 44'12	0°-17'-33
opposition	-1506 Jul 23 j 17:14	3° <del>♃</del> 49'22		minimum elong	-1498 May 09 j 03:02	3° <del>♄</del> 44'12	0°17'33
min. Earth dist.	-1506 Oct 08 j 03:11	1° <del>♃</del> 48'28	0°-40'-57	max. Earth dist.	-1498 May 08 j 13:43	3° <del>♄</del> 42'15	20.13481 AU
direct	-1506 Dec 01 j 14:22	30° <del>♃</del>		retrograde	-1498 Aug 27 j 16:59	7° <del>♄</del> 59'01	
direct	-1506 Dec 21 j 16:40	29° <del>♄</del> 49'30	18.64227 AU	opposition	-1498 Nov 10 j 14:56	5° <del>♄</del> 57'14	0°-17'-39
	-1505 Jan 10 j 16:19	0° <del>♃</del>		min. Earth dist.	-1498 Nov 11 j 03:07	5° <del>♄</del> 55'56	18.09822 AU
conjunction	-1505 Apr 08 j 02:29	3° <del>♃</del> 50'30	0°-36'-2	direct	-1497 Jan 24 j 07:32	3° <del>♄</del> 55'21	
minimum elong	-1505 Apr 08 j 02:29	3° <del>♃</del> 50'30	0°36'03	max. Earth dist.	-1497 May 13 j 08:37	8° <del>♄</del> 06'21	20.06177 AU
max. Earth dist.	-1505 Apr 08 j 05:04	3° <del>♃</del> 50'52	20.61090 AU	conjunction	-1497 May 14 j 00:08	8° <del>♄</del> 08'39	0°-14'-17
retrograde	-1505 Jul 28 j 06:39	7° <del>♃</del> 58'56		minimum elong	-1497 May 14 j 00:08	8° <del>♄</del> 08'39	0°14'17
opposition	-1505 Oct 12 j 11:20	5° <del>♃</del> 57'53	0°-38'-45	behind sun begin	-1497 May 13 j 21:12	8° <del>♄</del> 08'13	
min. Earth dist.	-1505 Oct 12 j 09:43	5° <del>♃</del> 58'03	18.57895 AU	behind sun end	-1497 May 14 j 03:05	8° <del>♄</del> 09'04	
direct	-1505 Dec 26 j 02:08	3° <del>♃</del> 58'34		retrograde	-1497 Sep 01 j 12:43	12° <del>♄</del> 24'20	
conjunction	-1504 Apr 11 j 16:51	8° <del>♃</del> 00'53	0°-33'-56	opposition	-1497 Nov 15 j 04:24	10° <del>♄</del> 22'25	0°-13'-58
minimum elong	-1504 Apr 11 j 16:51	8° <del>♃</del> 00'53	0°33'56	min. Earth dist.	-1497 Nov 15 j 17:32	10° <del>♄</del> 21'01	18.02487 AU
max. Earth dist.	-1504 Apr 11 j 16:30	8° <del>♃</del> 00'50	20.54679 AU	direct	-1496 Jan 28 j 23:49	8° <del>♄</del> 20'05	
retrograde	-1504 Jul 31 j 18:34	12° <del>♃</del> 10'10		conjunction	-1496 May 17 j 22:03	12° <del>♄</del> 35'02	0°-10'-55
opposition	-1504 Oct 15 j 20:17	10° <del>♃</del> 08'58	0°-36'-20	minimum elong	-1496 May 17 j 22:04	12° <del>♄</del> 35'02	0°10'55
min. Earth dist.	-1504 Oct 15 j 21:16	10° <del>♃</del> 08'52	18.51415 AU	behind sun begin	-1496 May 17 j 17:00	12° <del>♄</del> 34'18	
direct	-1504 Dec 29 j 09:50	8° <del>♃</del> 09'18		behind sun end	-1496 May 18 j 03:07	12° <del>♄</del> 35'46	
conjunction	-1503 Apr 16 j 08:03	12° <del>♃</del> 13'02	0°-31'-39	max. Earth dist.	-1496 May 17 j 04:26	12° <del>♄</del> 32'24	19.98827 AU
minimum elong	-1503 Apr 16 j 08:03	12° <del>♃</del> 13'02	0°31'40	retrograde	-1496 Jun 29 j 15:22	15° <del>♄</del>	
max. Earth dist.	-1503 Apr 16 j 06:36	12° <del>♃</del> 12'49	20.48139 AU	retrograde	-1496 Sep 05 j 05:51	16° <del>♄</del> 51'35	
retrograde	-1503 Aug 05 j 09:32	16° <del>♃</del> 23'12		retrograde	-1496 Nov 14 j 17:37	15° <del>♃</del>	
opposition	-1503 Oct 20 j 05:39	14° <del>♃</del> 21'53	0°-33'-42	opposition	-1496 Nov 18 j 18:53	14° <del>♄</del> 49'31	0°-10'-11
min. Earth dist.	-1503 Oct 20 j 07:18	14° <del>♃</del> 21'43	18.44806 AU	min. Earth dist.	-1496 Nov 19 j 10:35	14° <del>♄</del> 47'50	17.95157 AU
direct	-1502 Jan 02 j 20:31	12° <del>♃</del> 21'53		direct	-1495 Feb 01 j 14:07	12° <del>♄</del> 46'44	
conjunction	-1502 Apr 21 j 00:12	16° <del>♃</del> 27'06	0°-29'-10	direct	-1495 Apr 17 j 06:01	15° <del>♄</del>	
				conjunction	-1495 May 22 j 20:30	17° <del>♄</del> 03'18	0°-7'-29
				minimum elong	-1495 May 22 j 20:30	17° <del>♄</del> 03'18	0°07'29

Attention, astronomical year style is used: The year -1495 in astronomical counting style is the year 1496 BCE in historical counting style.

behind sun begin	-1495 May 22 j 14:21	17°♄02'24		retrograde	-1489 Oct 08 j 05:50	18°♄52'41	
behind sun end	-1495 May 23 j 02:40	17°♄04'12		opposition	-1489 Dec 20 j 20:46	16°♄49'59	0°17'25
max. Earth dist.	-1495 May 22 j 00:48	17°♄00'21	19.91538 AU	min. Earth dist.	-1489 Dec 21 j 19:36	16°♄47'29	17.50527 AU
retrograde	-1495 Sep 10 j 02:23	21°♄20'43		direct	-1488 Mar 05 j 08:44	14°♄44'31	
opposition	-1495 Nov 23 j 09:54	19°♄18'29	0°-6'-18	max. Earth dist.	-1488 Jun 24 j 03:01	19°♄07'32	19.48054 AU
min. Earth dist.	-1495 Nov 24 j 02:19	19°♄16'42	17.87923 AU				
direct	-1494 Feb 06 j 08:08	17°♄15'14		conjunction	-1488 Jun 25 j 06:12	19°♄11'44	0°17'23
				minimum elong	-1488 Jun 25 j 06:12	19°♄11'44	0°17'25
conjunction	-1494 May 27 j 19:57	21°♄33'25	0°-3'-58	retrograde	-1488 Oct 12 j 05:04	23°♄34'06	
minimum elong	-1494 May 27 j 19:58	21°♄33'25	0°03'57	opposition	-1488 Dec 24 j 17:33	21°♄31'27	0°21'13
behind sun begin	-1494 May 27 j 13:15	21°♄32'26		min. Earth dist.	-1488 Dec 25 j 17:06	21°♄28'52	17.45737 AU
behind sun end	-1494 May 28 j 02:40	21°♄34'24		direct	-1487 Mar 10 j 07:50	19°♄25'46	
max. Earth dist.	-1494 May 26 j 22:55	21°♄30'15	19.84366 AU	max. Earth dist.	-1487 Jun 29 j 04:44	23°♄49'44	19.43480 AU
retrograde	-1494 Sep 14 j 20:21	25°♄51'38					
opposition	-1494 Nov 28 j 01:41	23°♄49'15	0°-2'-22	conjunction	-1487 Jun 30 j 09:44	23°♄54'14	0°20'45
min. Earth dist.	-1494 Nov 28 j 20:20	23°♄47'14	17.80852 AU	minimum elong	-1487 Jun 30 j 09:44	23°♄54'14	0°20'47
direct	-1493 Feb 11 j 00:30	21°♄45'33		retrograde	-1487 Oct 17 j 04:48	28°♄17'10	
				opposition	-1487 Dec 29 j 15:07	26°♄14'32	0°24'54
conjunction	-1493 Jun 01 j 20:03	26°♄05'21	0°00'-21	min. Earth dist.	-1487 Dec 30 j 15:29	26°♄11'53	17.41384 AU
minimum elong	-1493 Jun 01 j 20:04	26°♄05'21	0°00'21	direct	-1486 Mar 15 j 07:50	24°♄08'37	
behind sun begin	-1493 Jun 01 j 13:18	26°♄04'21		max. Earth dist.	-1486 Jul 04 j 09:29	28°♄33'50	19.39322 AU
behind sun end	-1493 Jun 02 j 02:49	26°♄06'21					
max. Earth dist.	-1493 May 31 j 20:53	26°♄01'50	19.77413 AU	conjunction	-1486 Jul 05 j 14:02	28°♄38'17	0°23'59
asc. node	-1493 Jul 07 j 17:04	28°♄10'47		minimum elong	-1486 Jul 05 j 14:02	28°♄38'17	0°24'00
	-1493 Aug 20 j 14:04	0°♄			-1486 Jul 27 j 18:09	0°♄	
retrograde	-1493 Sep 19 j 17:33	0°♄24'21		retrograde	-1486 Oct 22 j 05:29	3°♄01'38	
	-1493 Oct 20 j 00:47	30°♄		opposition	-1485 Jan 03 j 13:26	0°♄59'04	0°28'26
opposition	-1493 Dec 02 j 18:15	28°♄21'50	0°01'36	min. Earth dist.	-1485 Jan 04 j 14:06	0°♄56'22	17.37428 AU
min. Earth dist.	-1493 Dec 03 j 13:26	28°♄19'44	17.74037 AU		-1485 Jan 26 j 22:45	30°♄	
direct	-1492 Feb 15 j 20:25	26°♄17'41		direct	-1485 Mar 20 j 08:42	28°♄52'57	
	-1492 May 26 j 03:11	0°♄			-1485 May 10 j 11:33	0°♄	
conjunction	-1492 Jun 05 j 20:47	0°♄39'04	0°03'19	conjunction	-1485 Jul 10 j 18:30	3°♄23'39	0°27'04
minimum elong	-1492 Jun 05 j 20:48	0°♄39'04	0°03'21	minimum elong	-1485 Jul 10 j 18:30	3°♄23'39	0°27'05
behind sun begin	-1492 Jun 05 j 14:03	0°♄38'04		max. Earth dist.	-1485 Jul 09 j 12:27	3°♄18'58	19.35568 AU
behind sun end	-1492 Jun 06 j 03:33	0°♄40'04		retrograde	-1485 Oct 27 j 05:48	7°♄47'23	
max. Earth dist.	-1492 Jun 04 j 21:07	0°♄35'28	19.70733 AU	opposition	-1484 Jan 08 j 12:38	5°♄44'51	0°31'48
retrograde	-1492 Sep 23 j 12:33	4°♄58'48		min. Earth dist.	-1484 Jan 09 j 14:10	5°♄42'03	17.33897 AU
opposition	-1492 Dec 06 j 11:43	2°♄56'11	0°05'36	direct	-1484 Mar 24 j 10:02	3°♄38'31	
min. Earth dist.	-1492 Dec 07 j 08:30	2°♄53'55	17.67535 AU				
direct	-1491 Feb 19 j 15:16	0°♄51'39		conjunction	-1484 Jul 14 j 23:06	8°♄10'08	0°29'59
				minimum elong	-1484 Jul 14 j 23:06	8°♄10'08	0°30'01
conjunction	-1491 Jun 10 j 22:06	5°♄14'33	0°06'53	max. Earth dist.	-1484 Jul 13 j 17:38	8°♄05'31	19.32245 AU
minimum elong	-1491 Jun 10 j 22:07	5°♄14'33	0°06'54	retrograde	-1484 Oct 31 j 07:04	12°♄34'09	
behind sun begin	-1491 Jun 10 j 15:50	5°♄13'37		opposition	-1483 Jan 12 j 12:27	10°♄31'38	0°34'57
behind sun end	-1491 Jun 11 j 04:24	5°♄15'29		min. Earth dist.	-1483 Jan 13 j 13:34	10°♄28'53	17.30789 AU
max. Earth dist.	-1491 Jun 09 j 20:25	5°♄10'38	19.64424 AU	direct	-1483 Mar 29 j 12:35	8°♄25'08	
retrograde	-1491 Sep 28 j 10:12	9°♄35'01		max. Earth dist.	-1483 Jul 18 j 21:40	12°♄52'46	19.29365 AU
opposition	-1491 Dec 11 j 05:50	7°♄32'20	0°09'35				
min. Earth dist.	-1491 Dec 12 j 03:00	7°♄30'01	17.61435 AU	conjunction	-1483 Jul 20 j 03:50	12°♄57'30	0°32'42
direct	-1490 Feb 24 j 12:37	5°♄27'26		minimum elong	-1483 Jul 20 j 03:50	12°♄57'30	0°32'42
max. Earth dist.	-1490 Jun 14 j 22:36	9°♄47'54	19.58523 AU	retrograde	-1483 Nov 05 j 07:25	17°♄21'43	
				opposition	-1482 Jan 17 j 12:45	15°♄19'13	0°37'52
conjunction	-1490 Jun 16 j 00:16	9°♄51'50	0°10'26	min. Earth dist.	-1482 Jan 18 j 14:42	15°♄16'22	17.28161 AU
minimum elong	-1490 Jun 16 j 00:16	9°♄51'50	0°10'27	direct	-1482 Apr 03 j 14:54	13°♄12'33	
behind sun begin	-1490 Jun 15 j 19:01	9°♄51'03		max. Earth dist.	-1482 Jul 24 j 03:01	17°♄40'53	19.26986 AU
behind sun end	-1490 Jun 16 j 05:31	9°♄52'37					
retrograde	-1490 Oct 03 j 07:16	14°♄12'58		conjunction	-1482 Jul 25 j 08:37	17°♄45'32	0°35'11
opposition	-1490 Dec 16 j 00:56	12°♄10'16	0°13'32	minimum elong	-1482 Jul 25 j 08:37	17°♄45'32	0°35'13
min. Earth dist.	-1490 Dec 16 j 23:15	12°♄07'49	17.55752 AU	retrograde	-1482 Nov 10 j 08:58	22°♄09'52	
direct	-1489 Mar 01 j 09:59	10°♄05'04		opposition	-1481 Jan 22 j 13:37	20°♄07'22	0°40'30
max. Earth dist.	-1489 Jun 19 j 23:13	14°♄26'38	19.53065 AU	min. Earth dist.	-1481 Jan 23 j 14:32	20°♄04'38	17.26033 AU
				direct	-1481 Apr 08 j 19:06	18°♄00'34	
conjunction	-1489 Jun 21 j 02:52	14°♄30'54	0°13'57	max. Earth dist.	-1481 Jul 29 j 07:58	22°♄29'25	19.25127 AU
minimum elong	-1489 Jun 21 j 02:52	14°♄30'54	0°13'59				
behind sun begin	-1489 Jun 20 j 23:37	14°♄30'24		conjunction	-1481 Jul 30 j 13:10	22°♄34'01	0°37'26
behind sun end	-1489 Jun 21 j 06:06	14°♄31'23		minimum elong	-1481 Jul 30 j 13:10	22°♄34'01	0°37'27

Attention, astronomical year style is used: The year -1481 in astronomical counting style is the year 1482 BCE in historical counting style.

retrograde	-1481 Nov 15 j 08:57	26° $\mathcal{E}$ 58'22		direct	-1473 May 18 j 07:39	26° $\mathcal{O}$ 25'58	
opposition	-1480 Jan 27 j 15:05	24° $\mathcal{E}$ 55'53	0°42'52		-1473 Aug 23 j 05:00	0° $\mathcal{M}$	
min. Earth dist.	-1480 Jan 28 j 16:30	24° $\mathcal{E}$ 53'06	17.24470 AU				
direct	-1480 Apr 12 j 22:23	22° $\mathcal{E}$ 48'59		conjunction	-1473 Sep 07 j 11:06	0° $\mathcal{M}$ 57'37	0°45'04
				minimum elong	-1473 Sep 07 j 11:06	0° $\mathcal{M}$ 57'37	0°45'04
conjunction	-1480 Aug 03 j 17:26	27° $\mathcal{E}$ 22'43	0°39'24	max. Earth dist.	-1473 Sep 06 j 18:40	0° $\mathcal{M}$ 55'01	19.33723 AU
minimum elong	-1480 Aug 03 j 17:26	27° $\mathcal{E}$ 22'43	0°39'25	retrograde	-1473 Dec 23 j 12:54	5° $\mathcal{M}$ 19'37	
max. Earth dist.	-1480 Aug 02 j 12:58	27° $\mathcal{E}$ 18'13	19.23868 AU	opposition	-1472 Mar 06 j 11:42	3° $\mathcal{M}$ 18'02	0°50'03
	-1480 Sep 16 j 20:34	0° $\mathcal{O}$		min. Earth dist.	-1472 Mar 07 j 02:21	3° $\mathcal{M}$ 16'28	17.35585 AU
retrograde	-1480 Nov 19 j 10:15	1° $\mathcal{O}$ 47'02		direct	-1472 May 22 j 11:17	1° $\mathcal{M}$ 12'15	
	-1479 Jan 25 j 18:56	30° $\mathcal{R}$ $\mathcal{E}$					
opposition	-1479 Jan 31 j 16:44	29° $\mathcal{E}$ 44'33	0°44'56	conjunction	-1472 Sep 11 j 11:13	5° $\mathcal{M}$ 43'00	0°44'38
min. Earth dist.	-1479 Feb 01 j 16:27	29° $\mathcal{E}$ 41'57	17.23519 AU	minimum elong	-1472 Sep 11 j 11:13	5° $\mathcal{M}$ 43'00	0°44'39
direct	-1479 Apr 18 j 03:44	27° $\mathcal{E}$ 37'35		max. Earth dist.	-1472 Sep 10 j 19:34	5° $\mathcal{M}$ 40'32	19.37521 AU
	-1479 Jul 03 j 20:00	0° $\mathcal{O}$		retrograde	-1472 Dec 27 j 12:56	10° $\mathcal{M}$ 04'24	
				opposition	-1471 Mar 11 j 14:30	8° $\mathcal{M}$ 02'59	0°49'24
conjunction	-1479 Aug 08 j 21:23	2° $\mathcal{O}$ 11'28	0°41'06	min. Earth dist.	-1471 Mar 12 j 03:21	8° $\mathcal{M}$ 01'36	17.39612 AU
minimum elong	-1479 Aug 08 j 21:23	2° $\mathcal{O}$ 11'28	0°41'09	direct	-1471 May 27 j 15:08	5° $\mathcal{M}$ 57'29	
max. Earth dist.	-1479 Aug 07 j 18:26	2° $\mathcal{O}$ 07'12	19.23235 AU				
retrograde	-1479 Nov 24 j 09:55	6° $\mathcal{O}$ 35'38		conjunction	-1471 Sep 16 j 10:44	10° $\mathcal{M}$ 27'14	0°43'55
opposition	-1478 Feb 05 j 18:56	4° $\mathcal{O}$ 33'12	0°46'41	minimum elong	-1471 Sep 16 j 10:44	10° $\mathcal{M}$ 27'14	0°43'55
min. Earth dist.	-1478 Feb 06 j 18:42	4° $\mathcal{O}$ 30'36	17.23224 AU	max. Earth dist.	-1471 Sep 15 j 21:54	10° $\mathcal{M}$ 25'12	19.41757 AU
direct	-1478 Apr 23 j 08:03	2° $\mathcal{O}$ 26'14		retrograde	-1470 Jan 01 j 12:02	14° $\mathcal{M}$ 47'57	
max. Earth dist.	-1478 Aug 12 j 22:41	6° $\mathcal{O}$ 55'56	19.23288 AU	opposition	-1470 Mar 16 j 17:16	12° $\mathcal{M}$ 46'40	0°48'25
				min. Earth dist.	-1470 Mar 17 j 04:25	12° $\mathcal{M}$ 45'28	17.44029 AU
conjunction	-1478 Aug 14 j 00:54	7° $\mathcal{O}$ 00'05	0°42'31	direct	-1470 Jun 01 j 19:34	10° $\mathcal{M}$ 41'30	
minimum elong	-1478 Aug 14 j 00:54	7° $\mathcal{O}$ 00'05	0°42'32				
retrograde	-1478 Nov 29 j 10:49	11° $\mathcal{O}$ 24'04		conjunction	-1470 Sep 21 j 09:15	15° $\mathcal{M}$ 10'04	0°42'54
opposition	-1477 Feb 10 j 21:12	9° $\mathcal{O}$ 21'41	0°48'06	minimum elong	-1470 Sep 21 j 09:16	15° $\mathcal{M}$ 10'04	0°42'54
min. Earth dist.	-1477 Feb 11 j 18:45	9° $\mathcal{O}$ 19'20	17.23623 AU	max. Earth dist.	-1470 Sep 20 j 21:28	15° $\mathcal{M}$ 08'13	19.46362 AU
direct	-1477 Apr 28 j 14:06	7° $\mathcal{O}$ 14'46		retrograde	-1469 Jan 06 j 09:49	19° $\mathcal{M}$ 30'04	
max. Earth dist.	-1477 Aug 18 j 04:19	11° $\mathcal{O}$ 44'42	19.24041 AU	opposition	-1469 Mar 21 j 19:44	17° $\mathcal{M}$ 28'54	0°47'07
				min. Earth dist.	-1469 Mar 22 j 05:19	17° $\mathcal{M}$ 27'53	17.48815 AU
conjunction	-1477 Aug 19 j 04:07	11° $\mathcal{O}$ 48'29	0°43'39	direct	-1469 Jun 06 j 22:55	15° $\mathcal{M}$ 24'02	
minimum elong	-1477 Aug 19 j 04:07	11° $\mathcal{O}$ 48'29	0°43'40				
	-1477 Oct 14 j 01:30	15° $\mathcal{O}$		conjunction	-1469 Sep 26 j 07:03	19° $\mathcal{M}$ 51'21	0°41'35
retrograde	-1477 Dec 04 j 10:28	16° $\mathcal{O}$ 12'11		minimum elong	-1469 Sep 26 j 07:03	19° $\mathcal{M}$ 51'21	0°41'36
	-1476 Jan 27 j 04:43	15° $\mathcal{R}$ $\mathcal{O}$		max. Earth dist.	-1469 Sep 25 j 21:57	19° $\mathcal{M}$ 49'55	19.51324 AU
opposition	-1476 Feb 15 j 23:59	14° $\mathcal{O}$ 09'56	0°49'11	retrograde	-1468 Jan 11 j 07:56	24° $\mathcal{M}$ 10'33	
min. Earth dist.	-1476 Feb 16 j 21:02	14° $\mathcal{O}$ 07'39	17.24732 AU	opposition	-1468 Mar 25 j 21:50	22° $\mathcal{M}$ 09'28	0°45'30
direct	-1476 May 02 j 18:15	12° $\mathcal{O}$ 03'09		min. Earth dist.	-1468 Mar 26 j 05:09	22° $\mathcal{M}$ 08'42	17.53927 AU
	-1476 Jul 28 j 09:03	15° $\mathcal{O}$		direct	-1468 Jun 11 j 03:08	20° $\mathcal{M}$ 04'56	
max. Earth dist.	-1476 Aug 22 j 07:32	16° $\mathcal{O}$ 32'54	19.25513 AU				
conjunction	-1476 Aug 23 j 06:32	16° $\mathcal{O}$ 36'33	0°44'28	conjunction	-1468 Sep 30 j 03:42	24° $\mathcal{M}$ 30'51	0°40'01
minimum elong	-1476 Aug 23 j 06:32	16° $\mathcal{O}$ 36'33	0°44'28	minimum elong	-1468 Sep 30 j 03:42	24° $\mathcal{M}$ 30'51	0°40'00
retrograde	-1476 Dec 08 j 11:49	20° $\mathcal{O}$ 59'56		max. Earth dist.	-1468 Sep 29 j 20:09	24° $\mathcal{M}$ 29'40	19.56602 AU
opposition	-1475 Feb 20 j 02:43	18° $\mathcal{O}$ 57'49	0°49'55	retrograde	-1467 Jan 15 j 03:43	28° $\mathcal{M}$ 49'13	
min. Earth dist.	-1475 Feb 20 j 21:25	18° $\mathcal{O}$ 55'48	17.26542 AU	opposition	-1467 Mar 30 j 23:26	26° $\mathcal{M}$ 48'13	0°43'35
direct	-1475 May 07 j 23:42	16° $\mathcal{O}$ 51'13		min. Earth dist.	-1467 Mar 31 j 05:24	26° $\mathcal{M}$ 47'35	17.59364 AU
				direct	-1467 Jun 16 j 04:53	24° $\mathcal{M}$ 43'59	
conjunction	-1475 Aug 28 j 08:44	21° $\mathcal{O}$ 24'11	0°44'58	conjunction	-1467 Oct 04 j 23:29	29° $\mathcal{M}$ 08'26	0°38'11
minimum elong	-1475 Aug 28 j 08:44	21° $\mathcal{O}$ 24'11	0°44'58	minimum elong	-1467 Oct 04 j 23:29	29° $\mathcal{M}$ 08'26	0°38'11
max. Earth dist.	-1475 Aug 27 j 12:36	21° $\mathcal{O}$ 21'00	19.27655 AU	max. Earth dist.	-1467 Oct 04 j 18:27	29° $\mathcal{M}$ 07'38	19.62199 AU
retrograde	-1475 Dec 13 j 11:40	25° $\mathcal{O}$ 47'11			-1467 Oct 18 j 18:32	0° $\mathcal{E}$	
opposition	-1474 Feb 25 j 05:34	23° $\mathcal{O}$ 45'15	0°50'19	retrograde	-1466 Jan 20 j 00:31	3° $\mathcal{E}$ 25'55	
min. Earth dist.	-1474 Feb 25 j 23:33	23° $\mathcal{O}$ 43'18	17.28990 AU	opposition	-1466 Apr 05 j 00:20	1° $\mathcal{E}$ 24'59	0°41'24
direct	-1474 May 13 j 03:10	21° $\mathcal{O}$ 38'54		min. Earth dist.	-1466 Apr 05 j 03:33	1° $\mathcal{E}$ 24'39	17.65103 AU
					-1466 May 12 j 04:58	30° $\mathcal{R}$ $\mathcal{M}$	
conjunction	-1474 Sep 02 j 10:13	26° $\mathcal{O}$ 11'17	0°45'10	direct	-1466 Jun 21 j 07:55	29° $\mathcal{M}$ 21'04	
minimum elong	-1474 Sep 02 j 10:13	26° $\mathcal{O}$ 11'17	0°45'12		-1466 Jul 30 j 04:43	0° $\mathcal{E}$	
max. Earth dist.	-1474 Sep 01 j 14:46	26° $\mathcal{O}$ 08'11	19.30413 AU				
	-1474 Nov 13 j 17:29	0° $\mathcal{M}$		conjunction	-1466 Oct 09 j 18:13	3° $\mathcal{E}$ 43'58	0°36'08
retrograde	-1474 Dec 18 j 12:58	0° $\mathcal{M}$ 33'49		minimum elong	-1466 Oct 09 j 18:13	3° $\mathcal{E}$ 43'58	0°36'07
	-1473 Jan 23 j 07:19	30° $\mathcal{R}$ $\mathcal{O}$		max. Earth dist.	-1466 Oct 09 j 15:21	3° $\mathcal{E}$ 43'31	19.68104 AU
opposition	-1473 Mar 02 j 08:34	28° $\mathcal{O}$ 32'03	0°50'21	retrograde	-1465 Jan 24 j 18:46	8° $\mathcal{E}$ 00'34	
min. Earth dist.	-1473 Mar 03 j 00:27	28° $\mathcal{O}$ 30'21	17.32033 AU	opposition	-1465 Apr 10 j 00:55	5° $\mathcal{E}$ 59'42	0°38'58

Attention, astronomical year style is used: The year -1465 in astronomical counting style is the year 1466 BCE in historical counting style.

min. Earth dist.	-1465 Apr 10 j 02:43	5°♄59'30	17.71178 AU	retrograde	-1457 Mar 01 j 10:13	13°♌26'59	
direct	-1465 Jun 26 j 07:36	3°♄56'07		opposition	-1457 May 17 j 03:59	11°♌27'21	0°13'17
				min. Earth dist.	-1457 May 16 j 13:25	11°♌28'50	18.27825 AU
conjunction	-1465 Oct 14 j 11:49	8°♄17'25	0°33'51	direct	-1457 Aug 02 j 03:01	9°♌27'20	
minimum elong	-1465 Oct 14 j 11:49	8°♄17'25	0°33'50				
max. Earth dist.	-1465 Oct 14 j 11:26	8°♄17'22	19.74350 AU	conjunction	-1457 Nov 18 j 01:29	13°♌35'47	0°10'22
retrograde	-1464 Jan 29 j 14:35	12°♄33'06		minimum elong	-1457 Nov 18 j 01:29	13°♌35'47	0°10'21
opposition	-1464 Apr 14 j 00:41	10°♄32'20	0°36'19	behind sun begin	-1457 Nov 17 j 20:16	13°♌35'01	
min. Earth dist.	-1464 Apr 13 j 23:12	10°♄32'29	17.77580 AU	behind sun end	-1457 Nov 18 j 06:41	13°♌36'33	
direct	-1464 Jun 30 j 08:33	8°♄29'08		max. Earth dist.	-1457 Nov 18 j 16:57	13°♌38'06	20.31399 AU
					-1457 Dec 11 j 17:55	15°♌	
conjunction	-1464 Oct 18 j 04:36	12°♄48'49	0°31'23	retrograde	-1456 Mar 05 j 02:17	17°♌44'34	
minimum elong	-1464 Oct 18 j 04:36	12°♄48'49	0°31'23	opposition	-1456 May 20 j 22:06	15°♌45'02	0°09'37
max. Earth dist.	-1464 Oct 18 j 06:47	12°♄49'10	19.80913 AU	min. Earth dist.	-1456 May 20 j 05:14	15°♌46'45	18.34898 AU
retrograde	-1463 Feb 02 j 07:29	17°♄03'36			-1456 Jun 08 j 21:35	15°♌	
opposition	-1463 Apr 18 j 23:45	15°♄02'57	0°33'28	direct	-1456 Aug 05 j 20:18	13°♌45'25	
min. Earth dist.	-1463 Apr 18 j 20:57	15°♄03'14	17.84304 AU		-1456 Sep 29 j 16:46	15°♌	
direct	-1463 Jul 05 j 06:10	13°♄00'09					
				conjunction	-1456 Nov 21 j 11:53	17°♌52'20	0°07'04
conjunction	-1463 Oct 22 j 20:25	17°♄18'13	0°28'45	minimum elong	-1456 Nov 21 j 11:53	17°♌52'20	0°07'02
minimum elong	-1463 Oct 22 j 20:25	17°♄18'13	0°28'44	behind sun begin	-1456 Nov 21 j 05:49	17°♌51'26	
max. Earth dist.	-1463 Oct 23 j 00:38	17°♄18'52	19.87788 AU	behind sun end	-1456 Nov 21 j 17:57	17°♌53'13	
retrograde	-1462 Feb 07 j 02:19	21°♄32'06		max. Earth dist.	-1456 Nov 22 j 05:34	17°♌54'59	20.38351 AU
opposition	-1462 Apr 23 j 22:07	19°♄31'36	0°30'26	retrograde	-1455 Mar 09 j 14:11	22°♌00'17	
min. Earth dist.	-1462 Apr 23 j 15:58	19°♄32'14	17.91299 AU	opposition	-1455 May 25 j 15:21	20°♌00'51	0°05'55
direct	-1462 Jul 10 j 04:34	17°♄29'15		min. Earth dist.	-1455 May 24 j 22:02	20°♌02'37	18.41733 AU
				direct	-1455 Aug 10 j 12:13	18°♌01'37	
conjunction	-1462 Oct 27 j 11:16	21°♄45'43	0°25'58				
minimum elong	-1462 Oct 27 j 11:16	21°♄45'43	0°25'58	conjunction	-1455 Nov 25 j 21:22	22°♌06'59	0°03'45
max. Earth dist.	-1462 Oct 27 j 18:16	21°♄46'47	19.94894 AU	minimum elong	-1455 Nov 25 j 21:23	22°♌07'00	0°03'44
retrograde	-1461 Feb 11 j 18:25	25°♄58'43		behind sun begin	-1455 Nov 25 j 14:55	22°♌06'03	
opposition	-1461 Apr 28 j 20:02	23°♄58'23	0°27'14	behind sun end	-1455 Nov 26 j 03:51	22°♌07'56	
min. Earth dist.	-1461 Apr 28 j 12:44	23°♄59'08	17.98504 AU	max. Earth dist.	-1455 Nov 26 j 15:23	22°♌09'41	20.45066 AU
direct	-1461 Jul 15 j 00:28	21°♄56'31		retrograde	-1454 Mar 14 j 04:25	26°♌14'09	
				opposition	-1454 May 30 j 07:53	24°♌14'46	0°02'13
conjunction	-1461 Nov 01 j 01:16	26°♄11'20	0°23'02	min. Earth dist.	-1454 May 29 j 12:37	24°♌16'43	18.48323 AU
minimum elong	-1461 Nov 01 j 01:16	26°♄11'20	0°23'02	direct	-1454 Aug 15 j 03:56	22°♌15'50	
max. Earth dist.	-1461 Nov 01 j 09:54	26°♄12'39	20.02184 AU				
	-1460 Jan 17 j 15:02	0°♌		conjunction	-1454 Nov 30 j 06:12	26°♌19'44	0°00'21
retrograde	-1460 Feb 16 j 12:26	0°♌23'28		minimum elong	-1454 Nov 30 j 06:12	26°♌19'44	0°00'20
	-1460 Mar 18 j 04:38	30°♌		behind sun begin	-1454 Nov 29 j 23:41	26°♌18'48	
opposition	-1460 May 02 j 16:59	28°♄23'20	0°23'54	behind sun end	-1454 Nov 30 j 12:42	26°♌20'41	
min. Earth dist.	-1460 May 02 j 06:35	28°♄24'24	18.05846 AU	max. Earth dist.	-1454 Dec 01 j 02:32	26°♌22'46	20.51521 AU
direct	-1460 Jul 18 j 20:32	26°♄21'56		desc. node	-1453 Jan 07 j 11:39	28°♌29'46	
	-1460 Oct 25 j 23:49	0°♌			-1453 Feb 14 j 08:48	0°♌	
conjunction	-1460 Nov 04 j 14:30	0°♌35'09	0°20'00	retrograde	-1453 Mar 18 j 14:45	0°♌26'08	
minimum elong	-1460 Nov 04 j 14:30	0°♌35'09	0°19'59		-1453 Apr 20 j 17:05	30°♌	
max. Earth dist.	-1460 Nov 05 j 01:47	0°♌36'52	20.09553 AU	opposition	-1453 Jun 03 j 23:40	28°♌26'46	0°-1'-27
retrograde	-1459 Feb 20 j 03:24	4°♌46'26		min. Earth dist.	-1453 Jun 03 j 03:47	28°♌28'46	18.54656 AU
opposition	-1459 May 07 j 13:24	2°♌46'29	0°20'27	direct	-1453 Aug 19 j 18:17	26°♌28'07	
min. Earth dist.	-1459 May 07 j 02:12	2°♌47'37	18.13230 AU		-1453 Nov 26 j 00:11	0°♌	
direct	-1459 Jul 23 j 15:06	0°♌45'34					
				conjunction	-1453 Dec 04 j 14:14	0°♌30'34	0°-3'-1
conjunction	-1459 Nov 09 j 02:51	4°♌57'10	0°16'51	minimum elong	-1453 Dec 04 j 14:14	0°♌30'34	0°03'03
minimum elong	-1459 Nov 09 j 02:51	4°♌57'10	0°16'50	behind sun begin	-1453 Dec 04 j 07:44	0°♌29'38	
max. Earth dist.	-1459 Nov 09 j 15:12	4°♌59'02	20.16932 AU	behind sun end	-1453 Dec 04 j 20:44	0°♌31'30	
retrograde	-1458 Feb 24 j 20:39	9°♌07'36		max. Earth dist.	-1453 Dec 05 j 10:55	0°♌33'38	20.57741 AU
opposition	-1458 May 12 j 08:57	7°♌07'49	0°16'54	retrograde	-1452 Mar 22 j 03:06	4°♌36'12	
min. Earth dist.	-1458 May 11 j 19:01	7°♌09'14	18.20581 AU	opposition	-1452 Jun 07 j 14:22	2°♌36'50	0°-5'-5
direct	-1458 Jul 28 j 09:33	5°♌07'22		min. Earth dist.	-1452 Jun 06 j 16:47	2°♌39'00	18.60774 AU
				direct	-1452 Aug 23 j 07:38	0°♌38'27	
conjunction	-1458 Nov 13 j 14:37	9°♌17'23	0°13'38				
minimum elong	-1458 Nov 13 j 14:37	9°♌17'23	0°13'37	conjunction	-1452 Dec 07 j 21:45	4°♌39'33	0°-6'-16
behind sun begin	-1458 Nov 13 j 10:54	9°♌16'50		minimum elong	-1452 Dec 07 j 21:46	4°♌39'33	0°06'18
behind sun end	-1458 Nov 13 j 18:20	9°♌17'56		behind sun begin	-1452 Dec 07 j 15:35	4°♌38'40	
max. Earth dist.	-1458 Nov 14 j 05:28	9°♌19'37	20.24232 AU	behind sun end	-1452 Dec 08 j 03:57	4°♌40'26	
				max. Earth dist.	-1452 Dec 08 j 20:48	4°♌42'57	20.63740 AU

Attention, astronomical year style is used: The year -1451 in astronomical counting style is the year 1452 BCE in historical counting style.

retrograde	-1451 Mar 26 j 12:29	8° $\overline{\text{A}}$ 44'28		opposition	-1444 Jul 11 j 11:24	5° $\overline{\text{C}}$ 06'02	0°-31'-2
min. Earth dist.	-1451 Jun 11 j 06:02	6° $\overline{\text{A}}$ 47'22	18.66674 AU	direct	-1444 Sep 25 j 10:12	3° $\overline{\text{C}}$ 09'41	
opposition	-1451 Jun 12 j 04:24	6° $\overline{\text{A}}$ 45'07	0°-8'-40				
direct	-1451 Aug 27 j 20:02	4° $\overline{\text{A}}$ 47'00		conjunction	-1443 Jan 08 j 18:55	7° $\overline{\text{C}}$ 02'59	0°-29'-17
				minimum elong	-1443 Jan 08 j 18:55	7° $\overline{\text{C}}$ 02'59	0°29'20
conjunction	-1451 Dec 12 j 04:30	8° $\overline{\text{A}}$ 46'47	0°-9'-27	max. Earth dist.	-1443 Jan 09 j 23:46	7° $\overline{\text{C}}$ 07'08	21.02462 AU
minimum elong	-1451 Dec 12 j 04:29	8° $\overline{\text{A}}$ 46'47	0°09'31	retrograde	-1443 Apr 28 j 14:01	11° $\overline{\text{C}}$ 04'19	
behind sun begin	-1451 Dec 11 j 23:01	8° $\overline{\text{A}}$ 46'00		opposition	-1443 Jul 15 j 20:28	9° $\overline{\text{C}}$ 05'27	0°-33'-41
behind sun end	-1451 Dec 12 j 09:58	8° $\overline{\text{A}}$ 47'34		min. Earth dist.	-1443 Jul 14 j 17:27	9° $\overline{\text{C}}$ 08'09	19.04072 AU
max. Earth dist.	-1451 Dec 13 j 03:47	8° $\overline{\text{A}}$ 50'13	20.69542 AU	direct	-1443 Sep 29 j 17:08	7° $\overline{\text{C}}$ 09'17	
retrograde	-1450 Mar 30 j 23:14	12° $\overline{\text{A}}$ 51'04					
opposition	-1450 Jun 16 j 17:39	10° $\overline{\text{A}}$ 51'44	0°-12'-11	conjunction	-1442 Jan 12 j 23:35	11° $\overline{\text{C}}$ 01'58	0°-31'-37
min. Earth dist.	-1450 Jun 15 j 17:43	10° $\overline{\text{A}}$ 54'08	18.72388 AU	minimum elong	-1442 Jan 12 j 23:35	11° $\overline{\text{C}}$ 01'58	0°31'39
direct	-1450 Sep 01 j 07:03	8° $\overline{\text{A}}$ 53'52		max. Earth dist.	-1442 Jan 14 j 03:10	11° $\overline{\text{C}}$ 05'56	21.05461 AU
				retrograde	-1442 May 02 j 22:37	15° $\overline{\text{C}}$ 03'07	
conjunction	-1450 Dec 16 j 10:58	12° $\overline{\text{A}}$ 52'29	0°-12'-35	min. Earth dist.	-1442 Jul 19 j 02:40	13° $\overline{\text{C}}$ 06'53	19.06798 AU
minimum elong	-1450 Dec 16 j 10:58	12° $\overline{\text{A}}$ 52'28	0°12'37	opposition	-1442 Jul 20 j 05:11	13° $\overline{\text{C}}$ 04'14	0°-36'-10
behind sun begin	-1450 Dec 16 j 06:41	12° $\overline{\text{A}}$ 51'52		direct	-1442 Oct 03 j 22:50	11° $\overline{\text{C}}$ 08'11	
behind sun end	-1450 Dec 16 j 15:14	12° $\overline{\text{A}}$ 53'05					
max. Earth dist.	-1450 Dec 17 j 12:31	12° $\overline{\text{A}}$ 56'13	20.75145 AU	conjunction	-1441 Jan 17 j 04:30	15° $\overline{\text{C}}$ 00'22	0°-33'-47
retrograde	-1449 Apr 04 j 08:31	16° $\overline{\text{A}}$ 56'09		minimum elong	-1441 Jan 17 j 04:29	15° $\overline{\text{C}}$ 00'22	0°33'50
min. Earth dist.	-1449 Jun 20 j 05:28	14° $\overline{\text{A}}$ 59'21	18.77887 AU	max. Earth dist.	-1441 Jan 18 j 08:52	15° $\overline{\text{C}}$ 04'26	21.07897 AU
opposition	-1449 Jun 21 j 06:12	14° $\overline{\text{A}}$ 56'52	0°-15'-37	retrograde	-1441 May 07 j 06:05	19° $\overline{\text{C}}$ 01'19	
direct	-1449 Sep 05 j 17:43	12° $\overline{\text{A}}$ 59'17		min. Earth dist.	-1441 Jul 23 j 10:57	17° $\overline{\text{C}}$ 05'02	19.08950 AU
				opposition	-1441 Jul 24 j 13:16	17° $\overline{\text{C}}$ 02'25	0°-38'-28
conjunction	-1449 Dec 20 j 16:49	16° $\overline{\text{A}}$ 56'46	0°-15'-38	direct	-1441 Oct 08 j 05:29	15° $\overline{\text{C}}$ 06'25	
minimum elong	-1449 Dec 20 j 16:49	16° $\overline{\text{A}}$ 56'46	0°15'41				
behind sun begin	-1449 Dec 20 j 15:03	16° $\overline{\text{A}}$ 56'31		conjunction	-1440 Jan 21 j 09:09	18° $\overline{\text{C}}$ 58'09	0°-35'-47
behind sun end	-1449 Dec 20 j 18:36	16° $\overline{\text{A}}$ 57'01		minimum elong	-1440 Jan 21 j 09:09	18° $\overline{\text{C}}$ 58'09	0°35'49
max. Earth dist.	-1449 Dec 21 j 18:20	17° $\overline{\text{A}}$ 00'30	20.80532 AU	max. Earth dist.	-1440 Jan 22 j 12:01	19° $\overline{\text{C}}$ 01'59	21.09779 AU
retrograde	-1448 Apr 07 j 18:20	20° $\overline{\text{A}}$ 59'55		retrograde	-1440 May 10 j 13:59	22° $\overline{\text{C}}$ 58'58	
opposition	-1448 Jun 24 j 18:02	19° $\overline{\text{A}}$ 00'42	0°-18'-56	opposition	-1440 Jul 27 j 20:58	20° $\overline{\text{C}}$ 59'59	0°-40'-35
min. Earth dist.	-1448 Jun 23 j 16:14	19° $\overline{\text{A}}$ 03'17	18.83155 AU	min. Earth dist.	-1440 Jul 26 j 19:28	21° $\overline{\text{C}}$ 02'32	19.10567 AU
direct	-1448 Sep 09 j 02:44	17° $\overline{\text{A}}$ 03'23		direct	-1440 Oct 11 j 09:46	19° $\overline{\text{C}}$ 04'00	
conjunction	-1448 Dec 23 j 22:31	20° $\overline{\text{A}}$ 59'51	0°-18'-35	conjunction	-1439 Jan 24 j 13:51	22° $\overline{\text{C}}$ 55'23	0°-37'-37
minimum elong	-1448 Dec 23 j 22:31	20° $\overline{\text{A}}$ 59'51	0°18'37	minimum elong	-1439 Jan 24 j 13:51	22° $\overline{\text{C}}$ 55'23	0°37'40
max. Earth dist.	-1448 Dec 25 j 01:57	21° $\overline{\text{A}}$ 03'51	20.85649 AU	max. Earth dist.	-1439 Jan 25 j 17:29	22° $\overline{\text{C}}$ 59'20	21.11132 AU
retrograde	-1447 Apr 12 j 03:12	25° $\overline{\text{A}}$ 02'31		retrograde	-1439 May 14 j 21:06	26° $\overline{\text{C}}$ 56'06	
min. Earth dist.	-1447 Jun 28 j 02:47	23° $\overline{\text{A}}$ 06'01	18.88121 AU	min. Earth dist.	-1439 Jul 31 j 02:46	24° $\overline{\text{C}}$ 59'35	19.11673 AU
opposition	-1447 Jun 29 j 05:08	23° $\overline{\text{A}}$ 03'23	0°-22'-9	opposition	-1439 Aug 01 j 04:06	24° $\overline{\text{C}}$ 57'03	0°-42'-29
direct	-1447 Sep 13 j 11:56	21° $\overline{\text{A}}$ 06'21		direct	-1439 Oct 15 j 16:11	23° $\overline{\text{C}}$ 01'03	
conjunction	-1447 Dec 28 j 03:47	25° $\overline{\text{A}}$ 01'53	0°-21'-27	conjunction	-1438 Jan 28 j 18:28	26° $\overline{\text{C}}$ 52'10	0°-39'-15
minimum elong	-1447 Dec 28 j 03:47	25° $\overline{\text{A}}$ 01'53	0°21'29	minimum elong	-1438 Jan 28 j 18:28	26° $\overline{\text{C}}$ 52'10	0°39'18
max. Earth dist.	-1447 Dec 29 j 06:49	25° $\overline{\text{A}}$ 05'48	20.90460 AU	max. Earth dist.	-1438 Jan 29 j 20:38	26° $\overline{\text{C}}$ 55'53	21.12017 AU
retrograde	-1446 Apr 16 j 12:38	29° $\overline{\text{A}}$ 04'08			-1438 Apr 01 j 16:34	0° $\approx$	
opposition	-1446 Jul 03 j 15:50	27° $\overline{\text{A}}$ 05'05	0°-25'-15	retrograde	-1438 May 19 j 04:51	0° $\approx$ 52'52	
min. Earth dist.	-1446 Jul 02 j 12:55	27° $\overline{\text{A}}$ 07'46	18.92766 AU		-1438 Jul 07 j 03:51	30° $\overline{\text{R}}$ $\overline{\text{C}}$	
direct	-1446 Sep 17 j 19:39	25° $\overline{\text{A}}$ 08'19		min. Earth dist.	-1438 Aug 04 j 10:30	28° $\overline{\text{C}}$ 56'09	19.12348 AU
				opposition	-1438 Aug 05 j 11:00	28° $\overline{\text{C}}$ 53'42	0°-44'-12
conjunction	-1445 Jan 01 j 08:55	29° $\overline{\text{A}}$ 03'00	0°-24'-11	direct	-1438 Oct 19 j 19:34	26° $\overline{\text{C}}$ 57'40	
minimum elong	-1445 Jan 01 j 08:54	29° $\overline{\text{A}}$ 03'00	0°24'14		-1437 Jan 18 j 15:52	0° $\approx$	
max. Earth dist.	-1445 Jan 02 j 13:34	29° $\overline{\text{A}}$ 07'09	20.94906 AU				
	-1445 Jan 17 j 21:36	0° $\overline{\text{C}}$		conjunction	-1437 Feb 01 j 23:17	0° $\approx$ 48'37	0°-40'-42
retrograde	-1445 Apr 20 j 21:04	3° $\overline{\text{C}}$ 04'54		minimum elong	-1437 Feb 01 j 23:17	0° $\approx$ 48'37	0°40'44
min. Earth dist.	-1445 Jul 06 j 22:46	1° $\overline{\text{C}}$ 08'39	18.97006 AU	max. Earth dist.	-1437 Feb 03 j 02:10	0° $\approx$ 52'27	21.12475 AU
opposition	-1445 Jul 08 j 01:57	1° $\overline{\text{C}}$ 05'56	0°-28'-13	retrograde	-1437 May 23 j 12:03	4° $\approx$ 49'20	
	-1445 Aug 06 j 08:04	30° $\overline{\text{R}}$ $\overline{\text{A}}$		opposition	-1437 Aug 09 j 17:27	2° $\approx$ 50'05	0°-45'-41
direct	-1445 Sep 22 j 03:32	29° $\overline{\text{A}}$ 09'24		min. Earth dist.	-1437 Aug 08 j 17:05	2° $\approx$ 52'32	19.12598 AU
	-1445 Nov 06 j 02:11	0° $\overline{\text{C}}$		direct	-1437 Oct 24 j 01:10	0° $\approx$ 54'02	
conjunction	-1444 Jan 05 j 13:53	3° $\overline{\text{C}}$ 03'20	0°-26'-48	conjunction	-1436 Feb 06 j 04:14	4° $\approx$ 44'55	0°-41'-57
minimum elong	-1444 Jan 05 j 13:53	3° $\overline{\text{C}}$ 03'20	0°26'50	minimum elong	-1436 Feb 06 j 04:14	4° $\approx$ 44'55	0°42'00
max. Earth dist.	-1444 Jan 06 j 17:40	3° $\overline{\text{C}}$ 07'21	20.98928 AU	max. Earth dist.	-1436 Feb 07 j 05:25	4° $\approx$ 48'30	21.12530 AU
retrograde	-1444 Apr 24 j 06:12	7° $\overline{\text{C}}$ 04'56		retrograde	-1436 May 26 j 20:07	8° $\approx$ 45'44	
min. Earth dist.	-1444 Jul 10 j 08:20	5° $\overline{\text{C}}$ 08'43	19.00802 AU	opposition	-1436 Aug 12 j 23:36	6° $\approx$ 46'24	0°-46'-58

Attention, astronomical year style is used: The year -1436 in astronomical counting style is the year 1437 BCE in historical counting style.

min. Earth dist.	-1436 Aug 12 j 00:20	6° $\approx$ 48'45	19.12464 AU	max. Earth dist.	-1428 Mar 10 j 01:35	6° $\approx$ 31'33	20.97669 AU
direct	-1436 Oct 27 j 04:33	4° $\approx$ 50'18		retrograde	-1428 Jun 28 j 16:58	10° $\approx$ 33'06	
conjunction	-1435 Feb 09 j 09:31	8° $\approx$ 41'14	0°-43'-1	opposition	-1428 Sep 13 j 23:54	8° $\approx$ 33'12	0°-49'00
minimum elong	-1435 Feb 09 j 09:30	8° $\approx$ 41'14	0°43'02	min. Earth dist.	-1428 Sep 13 j 10:58	8° $\approx$ 34'31	18.95697 AU
max. Earth dist.	-1435 Feb 10 j 11:11	8° $\approx$ 44'53	21.12198 AU	direct	-1428 Nov 27 j 15:34	6° $\approx$ 36'11	
retrograde	-1435 May 31 j 03:31	12° $\approx$ 42'12		conjunction	-1427 Mar 13 j 19:43	10° $\approx$ 30'52	0°-43'-59
min. Earth dist.	-1435 Aug 16 j 06:32	10° $\approx$ 45'09	19.11933 AU	minimum elong	-1427 Mar 13 j 19:43	10° $\approx$ 30'52	0°44'01
opposition	-1435 Aug 17 j 05:38	10° $\approx$ 42'49	0°-48'-2	max. Earth dist.	-1427 Mar 14 j 10:09	10° $\approx$ 32'56	20.93555 AU
direct	-1435 Oct 31 j 09:03	8° $\approx$ 46'42		retrograde	-1427 Jul 03 j 03:32	14° $\approx$ 35'07	
conjunction	-1434 Feb 13 j 14:48	12° $\approx$ 37'45	0°-43'-53	opposition	-1427 Sep 17 j 06:18	12° $\approx$ 35'04	0°-48'-10
minimum elong	-1434 Feb 13 j 14:48	12° $\approx$ 37'45	0°43'55	min. Earth dist.	-1427 Sep 17 j 18:22	12° $\approx$ 36'17	18.91332 AU
max. Earth dist.	-1434 Feb 14 j 14:39	12° $\approx$ 41'08	21.11482 AU	direct	-1427 Dec 01 j 22:22	10° $\approx$ 37'47	
retrograde	-1434 Mar 30 j 04:38	15° $\approx$		conjunction	-1426 Mar 18 j 05:23	14° $\approx$ 33'17	0°-43'-7
retrograde	-1434 Jun 04 j 12:08	16° $\approx$ 38'58		minimum elong	-1426 Mar 18 j 05:23	14° $\approx$ 33'17	0°43'08
retrograde	-1434 Aug 12 j 23:26	15° $\approx$		max. Earth dist.	-1426 Mar 18 j 16:50	14° $\approx$ 34'55	20.88977 AU
opposition	-1434 Aug 21 j 11:42	14° $\approx$ 39'31	0°-48'-52	retrograde	-1426 Jul 07 j 12:43	18° $\approx$ 38'08	
min. Earth dist.	-1434 Aug 20 j 13:54	14° $\approx$ 41'43	19.11021 AU	opposition	-1426 Sep 22 j 13:00	16° $\approx$ 37'53	0°-47'-5
direct	-1434 Nov 04 j 12:42	12° $\approx$ 43'20		min. Earth dist.	-1426 Sep 22 j 03:32	16° $\approx$ 38'52	18.86544 AU
conjunction	-1433 Jan 20 j 08:20	15° $\approx$		direct	-1426 Dec 06 j 03:17	14° $\approx$ 40'17	
conjunction	-1433 Feb 17 j 20:49	16° $\approx$ 34'39	0°-44'-32	conjunction	-1425 Mar 22 j 16:02	18° $\approx$ 36'43	0°-42'-2
minimum elong	-1433 Feb 17 j 20:49	16° $\approx$ 34'39	0°44'34	minimum elong	-1425 Mar 22 j 16:02	18° $\approx$ 36'43	0°42'03
max. Earth dist.	-1433 Feb 18 j 20:55	16° $\approx$ 38'04	21.10365 AU	max. Earth dist.	-1425 Mar 23 j 02:42	18° $\approx$ 38'15	20.84000 AU
retrograde	-1433 Jun 08 j 20:06	20° $\approx$ 36'08		retrograde	-1425 Jul 11 j 23:35	22° $\approx$ 42'11	
opposition	-1433 Aug 25 j 17:27	18° $\approx$ 36'39	0°-49'-29	opposition	-1425 Sep 26 j 19:38	20° $\approx$ 41'46	0°-45'-47
min. Earth dist.	-1433 Aug 24 j 20:10	18° $\approx$ 38'49	19.09688 AU	min. Earth dist.	-1425 Sep 26 j 11:05	20° $\approx$ 42'39	18.81384 AU
direct	-1433 Nov 08 j 16:55	16° $\approx$ 40'25		direct	-1425 Dec 10 j 10:43	18° $\approx$ 43'50	
conjunction	-1432 Feb 22 j 03:08	20° $\approx$ 32'04	0°-44'-59	conjunction	-1424 Mar 26 j 03:09	22° $\approx$ 41'17	0°-40'-43
minimum elong	-1432 Feb 22 j 03:08	20° $\approx$ 32'04	0°45'02	minimum elong	-1424 Mar 26 j 03:09	22° $\approx$ 41'17	0°40'44
max. Earth dist.	-1432 Feb 23 j 00:58	20° $\approx$ 35'10	21.08823 AU	max. Earth dist.	-1424 Mar 26 j 10:50	22° $\approx$ 42'23	20.78686 AU
retrograde	-1432 Jun 12 j 04:47	24° $\approx$ 33'56		retrograde	-1424 Jul 15 j 09:49	26° $\approx$ 47'26	
opposition	-1432 Aug 28 j 23:25	22° $\approx$ 34'24	0°-49'-52	opposition	-1424 Sep 30 j 02:49	24° $\approx$ 46'49	0°-44'-14
min. Earth dist.	-1432 Aug 28 j 03:55	22° $\approx$ 36'22	19.07920 AU	min. Earth dist.	-1424 Sep 29 j 20:40	24° $\approx$ 47'28	18.75929 AU
direct	-1432 Nov 11 j 20:41	20° $\approx$ 38'05		direct	-1424 Dec 13 j 16:28	22° $\approx$ 48'33	
conjunction	-1431 Feb 25 j 10:02	24° $\approx$ 30'11	0°-45'-14	conjunction	-1423 Mar 30 j 14:57	26° $\approx$ 47'06	0°-39'-13
minimum elong	-1431 Feb 25 j 10:02	24° $\approx$ 30'11	0°45'16	minimum elong	-1423 Mar 30 j 14:57	26° $\approx$ 47'06	0°39'13
max. Earth dist.	-1431 Feb 26 j 07:43	24° $\approx$ 33'16	21.06815 AU	max. Earth dist.	-1423 Mar 30 j 21:58	26° $\approx$ 48'06	20.73101 AU
retrograde	-1431 Jun 16 j 13:47	28° $\approx$ 32'26		retrograde	-1423 Jun 02 j 12:04	0° $\approx$	
min. Earth dist.	-1431 Sep 01 j 10:38	26° $\approx$ 34'45	19.05658 AU	retrograde	-1423 Jul 19 j 21:21	0° $\approx$ 53'58	
opposition	-1431 Sep 02 j 05:19	26° $\approx$ 32'51	0°-50'-1	retrograde	-1423 Sep 06 j 01:01	30° $\approx$	
direct	-1431 Nov 16 j 01:36	24° $\approx$ 36'26		opposition	-1423 Oct 04 j 10:12	28° $\approx$ 53'13	0°-42'-27
conjunction	-1430 Mar 01 j 17:28	28° $\approx$ 29'04	0°-45'-15	min. Earth dist.	-1423 Oct 04 j 04:44	28° $\approx$ 53'47	18.70219 AU
minimum elong	-1430 Mar 01 j 17:28	28° $\approx$ 29'04	0°45'17	direct	-1423 Dec 18 j 00:29	26° $\approx$ 54'37	
max. Earth dist.	-1430 Mar 02 j 12:28	28° $\approx$ 31'46	21.04308 AU	direct	-1422 Mar 19 j 07:49	0° $\approx$	
retrograde	-1430 Mar 29 j 00:22	0° $\approx$		conjunction	-1422 Apr 04 j 03:31	0° $\approx$ 54'19	0°-37'-29
retrograde	-1430 Jun 20 j 22:20	2° $\approx$ 31'47		minimum elong	-1422 Apr 04 j 03:31	0° $\approx$ 54'19	0°37'31
opposition	-1430 Sep 06 j 11:26	0° $\approx$ 32'07	0°-49'-55	max. Earth dist.	-1422 Apr 04 j 07:36	0° $\approx$ 54'55	20.67289 AU
min. Earth dist.	-1430 Sep 05 j 18:58	0° $\approx$ 33'48	19.02890 AU	retrograde	-1422 Jul 24 j 08:37	5° $\approx$ 01'59	
direct	-1430 Sep 19 j 19:11	30° $\approx$		opposition	-1422 Oct 08 j 18:03	3° $\approx$ 01'04	0°-40'-27
direct	-1430 Nov 20 j 05:27	28° $\approx$ 35'33		min. Earth dist.	-1422 Oct 08 j 15:03	3° $\approx$ 01'23	18.64313 AU
conjunction	-1429 Jan 18 j 01:41	0° $\approx$		direct	-1422 Dec 22 j 07:29	1° $\approx$ 02'08	
conjunction	-1429 Mar 06 j 01:42	2° $\approx$ 28'48	0°-45'-3	conjunction	-1421 Apr 08 j 17:08	5° $\approx$ 03'07	0°-35'-34
minimum elong	-1429 Mar 06 j 01:42	2° $\approx$ 28'48	0°45'05	minimum elong	-1421 Apr 08 j 17:08	5° $\approx$ 03'07	0°35'34
max. Earth dist.	-1429 Mar 06 j 20:02	2° $\approx$ 31'24	21.01266 AU	max. Earth dist.	-1421 Apr 08 j 20:20	5° $\approx$ 03'35	20.61296 AU
retrograde	-1429 Jun 25 j 08:30	6° $\approx$ 31'59		retrograde	-1421 Jul 28 j 21:25	9° $\approx$ 11'34	
opposition	-1429 Sep 10 j 17:36	4° $\approx$ 32'14	0°-49'-35	opposition	-1421 Oct 13 j 02:17	7° $\approx$ 10'33	0°-38'-13
min. Earth dist.	-1429 Sep 10 j 02:13	4° $\approx$ 33'48	18.99560 AU	min. Earth dist.	-1421 Oct 13 j 00:02	7° $\approx$ 10'47	18.58225 AU
direct	-1429 Nov 24 j 11:22	2° $\approx$ 35'28		direct	-1421 Dec 26 j 16:24	5° $\approx$ 11'18	
conjunction	-1428 Mar 09 j 10:22	6° $\approx$ 29'23	0°-44'-38	conjunction	-1420 Apr 12 j 07:22	9° $\approx$ 13'37	0°-33'-26
minimum elong	-1428 Mar 09 j 10:22	6° $\approx$ 29'23	0°44'38	minimum elong	-1420 Apr 12 j 07:22	9° $\approx$ 13'37	0°33'28



Attention, astronomical year style is used: The year -1420 in astronomical counting style is the year 1421 BCE in historical counting style.

max. Earth dist.	-1420 Apr 12 j 07:37	9°♃13'39	20.55130 AU	conjunction	-1412 May 18 j 12:07	13°♄47'27	0°-10'-20
retrograde	-1420 Aug 01 j 09:46	13°♃22'56		minimum elong	-1412 May 18 j 12:07	13°♄47'27	0°10'20
opposition	-1420 Oct 16 j 11:09	11°♃21'48	0°-35'-46	behind sun begin	-1412 May 18 j 06:49	13°♄46'41	
min. Earth dist.	-1420 Oct 16 j 11:30	11°♃21'46	18.51984 AU	behind sun end	-1412 May 18 j 17:24	13°♄48'13	
direct	-1420 Dec 30 j 00:37	9°♃22'15		max. Earth dist.	-1412 May 17 j 18:38	13°♄44'51	19.99852 AU
					-1412 Jun 07 j 23:20	15°♄	
conjunction	-1419 Apr 16 j 22:42	13°♃25'59	0°-31'-8	retrograde	-1412 Sep 05 j 19:46	18°♄03'46	
minimum elong	-1419 Apr 16 j 22:42	13°♃25'59	0°31'08	opposition	-1412 Nov 19 j 09:19	16°♄01'40	0°-9'-31
max. Earth dist.	-1419 Apr 16 j 21:55	13°♃25'52	20.48819 AU	min. Earth dist.	-1412 Nov 20 j 00:56	15°♄59'59	17.96201 AU
retrograde	-1419 Aug 06 j 00:19	17°♃36'09			-1412 Dec 14 j 08:37	15°♄	
opposition	-1419 Oct 20 j 20:28	15°♃34'58	0°-33'-6	direct	-1411 Feb 02 j 05:21	13°♄58'52	
min. Earth dist.	-1419 Oct 20 j 21:42	15°♃34'50	18.45586 AU		-1411 Mar 23 j 04:53	15°♄	
direct	-1418 Jan 03 j 10:59	13°♃35'05					
				conjunction	-1411 May 23 j 10:30	18°♄15'08	0°-6'-54
conjunction	-1418 Apr 21 j 14:51	17°♃40'18	0°-28'-37	minimum elong	-1411 May 23 j 10:30	18°♄15'08	0°06'53
minimum elong	-1418 Apr 21 j 14:51	17°♃40'18	0°28'38	behind sun begin	-1411 May 23 j 04:13	18°♄14'13	
max. Earth dist.	-1418 Apr 21 j 11:01	17°♃39'44	20.42339 AU	behind sun end	-1411 May 23 j 16:47	18°♄16'03	
retrograde	-1418 Aug 10 j 14:03	21°♃51'23		max. Earth dist.	-1411 May 22 j 15:09	18°♄12'14	19.92607 AU
opposition	-1418 Oct 25 j 06:36	19°♃50'07	0°-30'-15	retrograde	-1411 Sep 10 j 15:14	22°♄32'17	
min. Earth dist.	-1418 Oct 25 j 10:45	19°♃49'40	18.39016 AU	opposition	-1411 Nov 24 j 00:04	20°♄30'01	0°-5'-39
direct	-1417 Jan 07 j 20:25	17°♃49'54		min. Earth dist.	-1411 Nov 24 j 16:16	20°♄28'16	17.89027 AU
				direct	-1410 Feb 06 j 22:57	18°♄26'45	
conjunction	-1417 Apr 26 j 08:15	21°♃56'38	0°-25'-57				
minimum elong	-1417 Apr 26 j 08:15	21°♃56'38	0°25'57	conjunction	-1410 May 28 j 09:44	22°♄44'38	0°-3'-24
max. Earth dist.	-1417 Apr 26 j 02:50	21°♃55'51	20.35673 AU	minimum elong	-1410 May 28 j 09:44	22°♄44'38	0°03'24
retrograde	-1417 Aug 15 j 06:30	26°♃08'37		behind sun begin	-1410 May 28 j 02:59	22°♄43'38	
opposition	-1417 Oct 29 j 17:10	24°♃07'15	0°-27'-11	behind sun end	-1410 May 28 j 16:29	22°♄45'37	
min. Earth dist.	-1417 Oct 29 j 22:26	24°♃06'42	18.32243 AU	max. Earth dist.	-1410 May 27 j 12:54	22°♄41'30	19.85509 AU
direct	-1416 Jan 12 j 08:39	22°♃06'41		retrograde	-1410 Sep 15 j 09:48	27°♄02'34	
				opposition	-1410 Nov 28 j 15:50	25°♄00'10	0°-1'-44
conjunction	-1416 Apr 30 j 02:28	26°♃14'59	0°-23'-6	min. Earth dist.	-1410 Nov 29 j 10:12	24°♄58'11	17.82042 AU
minimum elong	-1416 Apr 30 j 02:28	26°♃14'59	0°23'05	direct	-1409 Feb 11 j 15:28	22°♄56'28	
max. Earth dist.	-1416 Apr 29 j 17:52	26°♃13'44	20.28793 AU	asc. node	-1409 May 11 j 08:06	25°♄57'00	
	-1416 Jul 16 j 22:33	0°♄		max. Earth dist.	-1409 Jun 01 j 10:52	27°♄12'31	19.78652 AU
retrograde	-1416 Aug 18 j 21:36	0°♄27'52					
	-1416 Sep 21 j 05:06	30°♄		conjunction	-1409 Jun 02 j 09:36	27°♄15'57	0°00'13
opposition	-1416 Nov 02 j 04:44	28°♃26'24	0°-23'-57	minimum elong	-1409 Jun 02 j 09:36	27°♄15'57	0°00'16
min. Earth dist.	-1416 Nov 02 j 12:59	28°♃25'31	18.25269 AU	behind sun begin	-1409 Jun 02 j 02:52	27°♄14'57	
direct	-1415 Jan 15 j 19:48	26°♃25'25		behind sun end	-1409 Jun 02 j 16:20	27°♄16'56	
	-1415 Apr 24 j 21:50	0°♄			-1409 Jul 21 j 00:31	0°♄	
				retrograde	-1409 Sep 20 j 06:16	1°♄34'40	
conjunction	-1415 May 04 j 21:31	0°♄35'17	0°-20'-5		-1409 Nov 22 j 13:54	30°♄	
minimum elong	-1415 May 04 j 21:31	0°♄35'17	0°20'06	opposition	-1409 Dec 03 j 08:12	29°♄32'10	0°02'13
max. Earth dist.	-1415 May 04 j 11:05	0°♄33'45	20.21730 AU	min. Earth dist.	-1409 Dec 04 j 02:55	29°♄30'07	17.75334 AU
retrograde	-1415 Aug 23 j 15:17	4°♄49'03		direct	-1408 Feb 16 j 10:54	27°♄28'03	
opposition	-1415 Nov 06 j 16:49	2°♄47'27	0°-20'-32		-1408 May 06 j 14:45	0°♄	
min. Earth dist.	-1415 Nov 07 j 02:05	2°♄46'28	18.18114 AU	max. Earth dist.	-1408 Jun 05 j 10:49	1°♄45'33	19.72092 AU
direct	-1414 Jan 20 j 09:41	0°♄46'03					
				conjunction	-1408 Jun 06 j 10:15	1°♄49'07	0°03'51
conjunction	-1414 May 09 j 17:35	4°♄57'30	0°-16'-57	minimum elong	-1408 Jun 06 j 10:15	1°♄49'07	0°03'52
minimum elong	-1414 May 09 j 17:35	4°♄57'30	0°16'57	behind sun begin	-1408 Jun 06 j 03:32	1°♄48'07	
max. Earth dist.	-1414 May 09 j 04:15	4°♄55'32	20.14498 AU	behind sun end	-1408 Jun 06 j 16:58	1°♄50'06	
retrograde	-1414 Aug 28 j 07:48	9°♄12'08		retrograde	-1408 Sep 24 j 02:15	6°♄08'36	
opposition	-1414 Nov 11 j 05:37	7°♄10'22	0°-16'-59	opposition	-1408 Dec 07 j 01:35	4°♄06'02	0°06'11
min. Earth dist.	-1414 Nov 11 j 17:51	7°♄09'04	18.10832 AU	min. Earth dist.	-1408 Dec 07 j 21:57	4°♄03'48	17.68958 AU
direct	-1413 Jan 24 j 22:49	5°♄08'31		direct	-1407 Feb 20 j 04:59	2°♄01'33	
				max. Earth dist.	-1407 Jun 10 j 10:02	6°♄20'18	19.65907 AU
conjunction	-1413 May 14 j 14:33	9°♄21'34	0°-13'-41	conjunction	-1407 Jun 11 j 11:21	6°♄24'10	0°07'25
minimum elong	-1413 May 14 j 14:33	9°♄21'34	0°13'42	minimum elong	-1407 Jun 11 j 11:21	6°♄24'10	0°07'26
behind sun begin	-1413 May 14 j 11:06	9°♄21'04		behind sun begin	-1407 Jun 11 j 05:11	6°♄23'15	
behind sun end	-1413 May 14 j 18:00	9°♄22'04		behind sun end	-1407 Jun 11 j 17:31	6°♄25'05	
max. Earth dist.	-1413 May 13 j 23:14	9°♄19'18	20.07187 AU	retrograde	-1407 Sep 28 j 23:55	10°♄44'25	
retrograde	-1413 Sep 02 j 02:20	13°♄37'03		opposition	-1407 Dec 11 j 19:40	8°♄41'48	0°10'09
opposition	-1413 Nov 15 j 19:02	11°♄35'07	0°-13'-18	min. Earth dist.	-1407 Dec 12 j 16:21	8°♄39'33	17.62968 AU
min. Earth dist.	-1413 Nov 16 j 08:06	11°♄33'43	18.03501 AU	direct	-1406 Feb 25 j 02:21	6°♄37'01	
direct	-1412 Jan 29 j 14:31	9°♄32'47					

Attention, astronomical year style is used: The year -1406 in astronomical counting style is the year 1407 BCE in historical counting style.

conjunction	-1406 Jun	16 j 13:28	11°II01'10	0°10'56
minimum elong	-1406 Jun	16 j 13:28	11°II01'10	0°10'58
behind sun begin	-1406 Jun	16 j 08:25	11°II00'24	
behind sun end	-1406 Jun	16 j 18:30	11°II01'55	
max. Earth dist.	-1406 Jun	15 j 12:01	10°II57'16	19.60103 AU
retrograde	-1406 Oct	03 j 21:08	15°II22'06	
opposition	-1406 Dec	16 j 14:35	13°II19'31	0°14'05
min. Earth dist.	-1406 Dec	17 j 12:43	13°II17'06	17.57364 AU
direct	-1405 Mar	01 j 22:25	11°II14'28	

conjunction	-1405 Jun	21 j 16:02	15°II40'05	0°14'26
minimum elong	-1405 Jun	21 j 16:02	15°II40'05	0°14'27
behind sun begin	-1405 Jun	21 j 13:14	15°II39'39	
behind sun end	-1405 Jun	21 j 18:51	15°II40'30	
max. Earth dist.	-1405 Jun	20 j 12:35	15°II35'51	19.54699 AU
retrograde	-1405 Oct	08 j 19:57	20°II01'43	
opposition	-1405 Dec	21 j 10:25	17°II59'09	0°17'57
min. Earth dist.	-1405 Dec	22 j 09:05	17°II56'40	17.52161 AU
direct	-1404 Mar	05 j 21:53	15°II53'50	

conjunction	-1404 Jun	25 j 19:12	20°II20'51	0°17'51
minimum elong	-1404 Jun	25 j 19:12	20°II20'51	0°17'54
max. Earth dist.	-1404 Jun	24 j 16:02	20°II16'39	19.49672 AU
retrograde	-1404 Oct	12 j 18:37	24°II43'05	
opposition	-1404 Dec	25 j 07:11	22°II40'35	0°21'44
min. Earth dist.	-1404 Dec	26 j 06:51	22°II37'59	17.47322 AU
direct	-1403 Mar	10 j 20:35	20°II35'02	

conjunction	-1403 Jun	30 j 22:51	25°II03'20	0°21'11
minimum elong	-1403 Jun	30 j 22:50	25°II03'20	0°21'12
max. Earth dist.	-1403 Jun	29 j 17:39	24°II58'48	19.45017 AU
retrograde	-1403 Oct	17 j 18:07	29°II26'07	
opposition	-1403 Dec	30 j 04:34	27°II23'37	0°25'23
min. Earth dist.	-1403 Dec	31 j 05:01	27°II20'57	17.42862 AU
direct	-1402 Mar	15 j 21:13	25°II17'50	
max. Earth dist.	-1402 Jul	04 j 22:18	29°II42'50	19.40729 AU

conjunction	-1402 Jul	06 j 03:07	29°II47'19	0°24'24
minimum elong	-1402 Jul	06 j 03:07	29°II47'19	0°24'25
	-1402 Jul	09 j 12:30	0°☾	
retrograde	-1402 Oct	22 j 18:42	4°☾10'33	
opposition	-1401 Jan	04 j 02:55	2°☾08'05	0°28'53
min. Earth dist.	-1401 Jan	05 j 03:51	2°☾05'22	17.38759 AU
direct	-1401 Mar	20 j 22:14	0°☾02'05	
max. Earth dist.	-1401 Jul	10 j 00:59	4°☾27'51	19.36818 AU

conjunction	-1401 Jul	11 j 07:25	4°☾32'36	0°27'27
minimum elong	-1401 Jul	11 j 07:25	4°☾32'36	0°27'28
retrograde	-1401 Oct	27 j 18:34	8°☾56'12	
opposition	-1400 Jan	09 j 01:57	6°☾53'44	0°32'12
min. Earth dist.	-1400 Jan	10 j 03:36	6°☾50'56	17.35065 AU
direct	-1400 Mar	24 j 23:13	4°☾47'30	
max. Earth dist.	-1400 Jul	14 j 06:18	9°☾14'17	19.33334 AU

conjunction	-1400 Jul	15 j 12:02	9°☾18'56	0°30'19
minimum elong	-1400 Jul	15 j 12:02	9°☾18'56	0°30'20
retrograde	-1400 Oct	31 j 20:36	13°☾42'48	