

Planetary Phenomena of Uranus from -900 through -400 (UT), Astrodienst AG 14-Nov-2015 16:11, page 1

Attention, astronomical year style is used: The year -900 in astronomical counting style is the year 901 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|------------|-------------|------------------|---------------------|-----------|-------------|
| direct | -900 Mar 09 j 08:10 | 22°II55'56 | | conjunction | -893 Aug 03 j 05:05 | 0°Ω31'52 | 0°38'55 |
| max. Earth dist. | -900 Jun 27 j 23:17 | 27°II17'43 | 19.53163 AU | minimum elong | -893 Aug 03 j 05:05 | 0°Ω31'52 | 0°38'56 |
| | | | | retrograde | -893 Nov 19 j 02:41 | 4°Ω55'41 | |
| conjunction | -900 Jun 29 j 03:15 | 27°II22'02 | 0°20'47 | opposition | -892 Jan 31 j 09:14 | 2°Ω53'22 | 0°44'22 |
| minimum elong | -900 Jun 29 j 03:14 | 27°II22'02 | 0°20'49 | min. Earth dist. | -892 Feb 01 j 09:33 | 2°Ω50'43 | 17.28620 AU |
| | -900 Aug 13 j 17:01 | 0°Ω | | direct | -892 Apr 16 j 16:20 | 0°Ω46'44 | |
| retrograde | -900 Oct 16 j 03:18 | 1°Ω43'36 | | max. Earth dist. | -892 Aug 06 j 06:05 | 5°Ω15'28 | 19.28044 AU |
| | -900 Dec 21 j 11:15 | 30°RII | | | | | |
| opposition | -900 Dec 28 j 17:19 | 29°II41'03 | 0°24'53 | conjunction | -892 Aug 07 j 09:18 | 5°Ω19'45 | 0°40'36 |
| min. Earth dist. | -900 Dec 29 j 17:44 | 29°II38'22 | 17.50591 AU | minimum elong | -892 Aug 07 j 09:18 | 5°Ω19'45 | 0°40'37 |
| direct | -899 Mar 14 j 05:36 | 27°II35'30 | | retrograde | -892 Nov 23 j 04:11 | 9°Ω43'36 | |
| | -899 May 30 j 22:13 | 0°Ω | | opposition | -891 Feb 04 j 10:38 | 7°Ω41'23 | 0°46'06 |
| max. Earth dist. | -899 Jul 03 j 00:58 | 1°Ω58'20 | 19.48084 AU | min. Earth dist. | -891 Feb 05 j 10:19 | 7°Ω38'48 | 17.27688 AU |
| | | | | direct | -891 Apr 21 j 19:45 | 5°Ω34'45 | |
| conjunction | -899 Jul 04 j 06:08 | 2°Ω02'50 | 0°23'56 | max. Earth dist. | -891 Aug 11 j 09:42 | 10°Ω03'41 | 19.27360 AU |
| minimum elong | -899 Jul 04 j 06:08 | 2°Ω02'50 | 0°23'56 | | | | |
| retrograde | -899 Oct 21 j 02:50 | 6°Ω24'55 | | conjunction | -891 Aug 12 j 13:05 | 10°Ω08'00 | 0°42'00 |
| opposition | -898 Jan 02 j 14:02 | 4°Ω22'18 | 0°28'19 | minimum elong | -891 Aug 12 j 13:05 | 10°Ω08'00 | 0°42'00 |
| min. Earth dist. | -898 Jan 03 j 14:07 | 4°Ω19'39 | 17.45754 AU | retrograde | -891 Nov 28 j 04:38 | 14°Ω31'48 | |
| direct | -898 Mar 19 j 06:46 | 2°Ω16'27 | | opposition | -890 Feb 09 j 12:31 | 12°Ω29'39 | 0°47'30 |
| max. Earth dist. | -898 Jul 08 j 04:52 | 6°Ω40'29 | 19.43489 AU | min. Earth dist. | -890 Feb 10 j 12:05 | 12°Ω27'05 | 17.27262 AU |
| | | | | direct | -890 Apr 26 j 23:38 | 10°Ω23'01 | |
| conjunction | -898 Jul 09 j 09:32 | 6°Ω44'56 | 0°26'55 | | | | |
| minimum elong | -898 Jul 09 j 09:32 | 6°Ω44'56 | 0°26'56 | conjunction | -890 Aug 17 j 16:46 | 14°Ω56'22 | 0°43'06 |
| retrograde | -898 Oct 26 j 00:22 | 11°Ω07'26 | | minimum elong | -890 Aug 17 j 16:46 | 14°Ω56'22 | 0°43'07 |
| opposition | -897 Jan 07 j 11:36 | 9°Ω04'47 | 0°31'34 | max. Earth dist. | -890 Aug 16 j 14:49 | 14°Ω52'15 | 19.27181 AU |
| min. Earth dist. | -897 Jan 08 j 12:39 | 9°Ω02'02 | 17.41439 AU | | -890 Aug 18 j 15:48 | 15°Ω | |
| direct | -897 Mar 24 j 06:18 | 6°Ω58'41 | | retrograde | -890 Dec 03 j 05:46 | 19°Ω20'00 | |
| max. Earth dist. | -897 Jul 13 j 07:14 | 11°Ω23'34 | 19.39459 AU | opposition | -889 Feb 14 j 14:31 | 17°Ω17'55 | 0°48'34 |
| | | | | min. Earth dist. | -889 Feb 15 j 12:48 | 17°Ω15'30 | 17.27319 AU |
| conjunction | -897 Jul 14 j 13:00 | 11°Ω28'12 | 0°29'44 | direct | -889 May 02 j 04:36 | 15°Ω11'20 | |
| minimum elong | -897 Jul 14 j 13:00 | 11°Ω28'12 | 0°29'45 | | | | |
| retrograde | -897 Oct 31 j 00:22 | 15°Ω51'07 | | conjunction | -889 Aug 22 j 20:04 | 19°Ω44'35 | 0°43'54 |
| opposition | -896 Jan 12 j 09:46 | 13°Ω48'27 | 0°34'36 | minimum elong | -889 Aug 22 j 20:04 | 19°Ω44'35 | 0°43'54 |
| min. Earth dist. | -896 Jan 13 j 10:17 | 13°Ω45'46 | 17.37705 AU | max. Earth dist. | -889 Aug 21 j 18:39 | 19°Ω40'34 | 19.27486 AU |
| direct | -896 Mar 28 j 08:19 | 11°Ω42'08 | | retrograde | -889 Dec 08 j 05:25 | 24°Ω08'00 | |
| | | | | opposition | -888 Feb 19 j 16:59 | 22°Ω05'58 | 0°49'17 |
| conjunction | -896 Jul 18 j 16:58 | 16°Ω12'37 | 0°32'22 | min. Earth dist. | -888 Feb 20 j 15:11 | 22°Ω03'34 | 17.27880 AU |
| minimum elong | -896 Jul 18 j 16:58 | 16°Ω12'37 | 0°32'22 | direct | -888 May 06 j 08:50 | 19°Ω59'26 | |
| max. Earth dist. | -896 Jul 17 j 12:21 | 16°Ω08'09 | 19.36013 AU | | | | |
| retrograde | -896 Nov 03 j 23:47 | 20°Ω35'50 | | conjunction | -888 Aug 26 j 22:49 | 24°Ω32'27 | 0°44'24 |
| opposition | -895 Jan 16 j 08:42 | 18°Ω33'15 | 0°37'26 | minimum elong | -888 Aug 26 j 22:49 | 24°Ω32'27 | 0°44'25 |
| min. Earth dist. | -895 Jan 17 j 09:38 | 18°Ω30'31 | 17.34558 AU | max. Earth dist. | -888 Aug 25 j 22:47 | 24°Ω28'38 | 19.28306 AU |
| direct | -895 Apr 02 j 09:18 | 16°Ω26'48 | | retrograde | -888 Dec 12 j 06:15 | 28°Ω55'33 | |
| | | | | opposition | -887 Feb 23 j 19:30 | 26°Ω53'34 | 0°49'40 |
| conjunction | -895 Jul 23 j 20:55 | 20°Ω58'06 | 0°34'47 | min. Earth dist. | -887 Feb 24 j 15:43 | 26°Ω51'23 | 17.28948 AU |
| minimum elong | -895 Jul 23 j 20:55 | 20°Ω58'06 | 0°34'48 | direct | -887 May 11 j 14:50 | 24°Ω47'07 | |
| max. Earth dist. | -895 Jul 22 j 15:23 | 20°Ω53'29 | 19.33174 AU | max. Earth dist. | -887 Aug 31 j 02:35 | 29°Ω16'10 | 19.29646 AU |
| retrograde | -895 Nov 09 j 00:40 | 25°Ω21'37 | | | | | |
| opposition | -894 Jan 21 j 08:17 | 23°Ω19'06 | 0°40'01 | conjunction | -887 Sep 01 j 01:01 | 29°Ω19'42 | 0°44'35 |
| min. Earth dist. | -894 Jan 22 j 08:46 | 23°Ω16'25 | 17.32024 AU | minimum elong | -887 Sep 01 j 01:01 | 29°Ω19'42 | 0°44'36 |
| direct | -894 Apr 07 j 11:33 | 21°Ω12'33 | | | -887 Sep 11 j 15:59 | 0°η | |
| max. Earth dist. | -894 Jul 27 j 21:00 | 25°Ω40'11 | 19.30923 AU | retrograde | -887 Dec 17 j 05:05 | 3°η42'26 | |
| | | | | opposition | -886 Feb 28 j 22:14 | 1°η40'30 | 0°49'41 |
| conjunction | -894 Jul 29 j 00:58 | 25°Ω44'34 | 0°36'59 | min. Earth dist. | -886 Mar 01 j 18:06 | 1°η38'21 | 17.30568 AU |
| minimum elong | -894 Jul 29 j 00:58 | 25°Ω44'34 | 0°36'59 | | -886 Apr 14 j 20:32 | 30°RΩ | |
| | -894 Oct 27 j 23:31 | 0°Ω | | direct | -886 May 16 j 19:01 | 29°Ω34'08 | |
| retrograde | -894 Nov 14 j 01:42 | 0°Ω08'16 | | | -886 Jun 17 j 05:11 | 0°η | |
| | -894 Dec 01 j 07:18 | 30°RΩ | | max. Earth dist. | -886 Sep 05 j 05:20 | 4°η02'51 | 19.31556 AU |
| opposition | -893 Jan 26 j 08:32 | 28°Ω05'52 | 0°42'20 | | | | |
| min. Earth dist. | -893 Jan 27 j 08:58 | 28°Ω03'12 | 17.30048 AU | conjunction | -886 Sep 06 j 02:21 | 4°η06'10 | 0°44'27 |
| direct | -893 Apr 12 j 13:29 | 25°Ω59'17 | | minimum elong | -886 Sep 06 j 02:21 | 4°η06'10 | 0°44'27 |
| | -893 Jul 25 j 18:19 | 0°Ω | | retrograde | -886 Dec 22 j 05:18 | 8°η28'27 | |
| max. Earth dist. | -893 Aug 02 j 00:23 | 0°Ω27'21 | 19.29220 AU | opposition | -885 Mar 06 j 00:47 | 6°η26'33 | 0°49'22 |
| | | | | min. Earth dist. | -885 Mar 06 j 18:05 | 6°η24'42 | 17.32754 AU |

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Attention, astronomical year style is used: The year -885 in astronomical counting style is the year 886 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|--------------------|-------------|------------------|---------------------|--------------------|-------------|
| direct | -885 May 22 j 00:52 | 4° <u>♄</u> 20'20 | | direct | -877 Jun 29 j 20:13 | 11° <u>♄</u> 49'53 | |
| max. Earth dist. | -885 Sep 10 j 08:38 | 8° <u>♄</u> 48'45 | 19.34035 AU | | | | |
| conjunction | -885 Sep 11 j 03:09 | 8° <u>♄</u> 51'41 | 0°44'01 | conjunction | -877 Oct 18 j 04:53 | 16° <u>♄</u> 11'56 | 0°30'48 |
| minimum elong | -885 Sep 11 j 03:09 | 8° <u>♄</u> 51'41 | 0°44'01 | minimum elong | -877 Oct 18 j 04:53 | 16° <u>♄</u> 11'56 | 0°30'48 |
| retrograde | -885 Dec 27 j 03:19 | 13° <u>♄</u> 13'26 | | max. Earth dist. | -877 Oct 18 j 04:00 | 16° <u>♄</u> 11'47 | 19.72919 AU |
| opposition | -884 Mar 10 j 03:22 | 11° <u>♄</u> 11'38 | 0°48'43 | retrograde | -876 Feb 02 j 09:20 | 20° <u>♄</u> 28'08 | |
| min. Earth dist. | -884 Mar 10 j 19:57 | 11° <u>♄</u> 09'51 | 17.35536 AU | opposition | -876 Apr 17 j 15:42 | 18° <u>♄</u> 27'35 | 0°32'49 |
| direct | -884 May 26 j 04:13 | 9° <u>♄</u> 05'36 | | min. Earth dist. | -876 Apr 17 j 15:48 | 18° <u>♄</u> 27'34 | 17.76045 AU |
| max. Earth dist. | -884 Sep 14 j 09:58 | 13° <u>♄</u> 33'25 | 19.37134 AU | direct | -876 Jul 03 j 21:15 | 16° <u>♄</u> 24'32 | |
| conjunction | -884 Sep 15 j 03:05 | 13° <u>♄</u> 36'07 | 0°43'17 | conjunction | -876 Oct 21 j 22:19 | 20° <u>♄</u> 45'02 | 0°28'09 |
| minimum elong | -884 Sep 15 j 03:05 | 13° <u>♄</u> 36'07 | 0°43'16 | minimum elong | -876 Oct 21 j 22:19 | 20° <u>♄</u> 45'02 | 0°28'08 |
| retrograde | -884 Dec 31 j 03:19 | 17° <u>♄</u> 57'20 | | max. Earth dist. | -876 Oct 21 j 22:29 | 20° <u>♄</u> 45'03 | 19.79233 AU |
| opposition | -883 Mar 15 j 05:51 | 15° <u>♄</u> 55'37 | 0°47'44 | retrograde | -875 Feb 06 j 03:45 | 25° <u>♄</u> 00'23 | |
| min. Earth dist. | -883 Mar 15 j 19:23 | 15° <u>♄</u> 54'10 | 17.38935 AU | opposition | -875 Apr 22 j 15:24 | 22° <u>♄</u> 59'57 | 0°29'46 |
| direct | -883 May 31 j 09:03 | 13° <u>♄</u> 49'50 | | min. Earth dist. | -875 Apr 22 j 13:41 | 23° <u>♄</u> 00'07 | 17.82432 AU |
| conjunction | -883 Sep 20 j 02:17 | 18° <u>♄</u> 19'26 | 0°42'16 | direct | -875 Jul 08 j 20:45 | 20° <u>♄</u> 57'16 | |
| minimum elong | -883 Sep 20 j 02:17 | 18° <u>♄</u> 19'26 | 0°42'16 | conjunction | -875 Oct 26 j 14:53 | 25° <u>♄</u> 16'11 | 0°25'20 |
| max. Earth dist. | -883 Sep 19 j 12:21 | 18° <u>♄</u> 17'14 | 19.40838 AU | minimum elong | -875 Oct 26 j 14:53 | 25° <u>♄</u> 16'11 | 0°25'20 |
| retrograde | -882 Jan 05 j 00:57 | 22° <u>♄</u> 40'03 | | max. Earth dist. | -875 Oct 26 j 17:52 | 25° <u>♄</u> 16'38 | 19.85675 AU |
| opposition | -882 Mar 20 j 08:16 | 20° <u>♄</u> 38'29 | 0°46'26 | retrograde | -874 Feb 10 j 21:58 | 29° <u>♄</u> 30'39 | |
| min. Earth dist. | -882 Mar 20 j 20:40 | 20° <u>♄</u> 37'10 | 17.42931 AU | opposition | -874 Apr 27 j 14:20 | 27° <u>♄</u> 30'17 | 0°26'32 |
| direct | -882 Jun 05 j 10:52 | 18° <u>♄</u> 33'02 | | min. Earth dist. | -874 Apr 27 j 10:29 | 27° <u>♄</u> 30'41 | 17.88908 AU |
| max. Earth dist. | -882 Sep 24 j 12:00 | 22° <u>♄</u> 59'36 | 19.45133 AU | direct | -874 Jul 13 j 20:31 | 25° <u>♄</u> 27'59 | |
| conjunction | -882 Sep 25 j 00:40 | 23° <u>♄</u> 01'35 | 0°40'58 | conjunction | -874 Oct 31 j 06:29 | 29° <u>♄</u> 45'15 | 0°22'23 |
| minimum elong | -882 Sep 25 j 00:40 | 23° <u>♄</u> 01'35 | 0°40'58 | minimum elong | -874 Oct 31 j 06:28 | 29° <u>♄</u> 45'15 | 0°22'22 |
| retrograde | -881 Jan 10 j 00:39 | 27° <u>♄</u> 21'34 | | max. Earth dist. | -874 Oct 31 j 10:38 | 29° <u>♄</u> 45'53 | 19.92196 AU |
| opposition | -881 Mar 25 j 10:07 | 25° <u>♄</u> 20'10 | 0°44'50 | retrograde | -874 Nov 04 j 06:04 | 0° <u>♄</u> | |
| min. Earth dist. | -881 Mar 25 j 19:40 | 25° <u>♄</u> 19'09 | 17.47488 AU | retrograde | -873 Feb 15 j 14:19 | 3° <u>♄</u> 58'49 | |
| direct | -881 Jun 10 j 14:08 | 23° <u>♄</u> 15'04 | | opposition | -873 May 02 j 12:28 | 1° <u>♄</u> 58'31 | 0°23'10 |
| conjunction | -881 Sep 29 j 22:28 | 27° <u>♄</u> 42'32 | 0°39'25 | min. Earth dist. | -873 May 02 j 07:12 | 1° <u>♄</u> 59'04 | 17.95476 AU |
| minimum elong | -881 Sep 29 j 22:29 | 27° <u>♄</u> 42'32 | 0°39'24 | direct | -873 Jul 07 j 01:30 | 30° <u>♄</u> | |
| max. Earth dist. | -881 Sep 29 j 13:08 | 27° <u>♄</u> 41'03 | 19.49945 AU | direct | -873 Jul 18 j 17:29 | 29° <u>♄</u> 56'32 | |
| retrograde | -881 Nov 07 j 03:36 | 0° <u>♄</u> | | direct | -873 Jul 30 j 06:17 | 0° <u>♄</u> | |
| opposition | -880 Jan 14 j 22:06 | 2° <u>♄</u> 01'49 | | conjunction | -873 Nov 04 j 21:12 | 4° <u>♄</u> 12'10 | 0°19'19 |
| opposition | -880 Mar 29 j 12:04 | 0° <u>♄</u> 00'37 | 0°42'56 | minimum elong | -873 Nov 04 j 21:12 | 4° <u>♄</u> 12'10 | 0°19'19 |
| min. Earth dist. | -880 Mar 29 j 17:58 | 30° <u>♄</u> | | max. Earth dist. | -873 Nov 05 j 04:03 | 4° <u>♄</u> 13'13 | 19.98808 AU |
| min. Earth dist. | -880 Mar 29 j 20:19 | 29° <u>♄</u> 59'45 | 17.52523 AU | retrograde | -872 Feb 20 j 07:19 | 8° <u>♄</u> 24'48 | |
| direct | -880 Jun 14 j 15:06 | 27° <u>♄</u> 55'55 | | opposition | -872 May 06 j 09:56 | 6° <u>♄</u> 24'34 | 0°19'42 |
| conjunction | -880 Oct 03 j 19:11 | 2° <u>♄</u> 22'09 | 0°37'36 | min. Earth dist. | -872 May 06 j 02:05 | 6° <u>♄</u> 25'22 | 18.02120 AU |
| minimum elong | -880 Oct 03 j 19:11 | 2° <u>♄</u> 22'09 | 0°37'37 | direct | -872 Jul 22 j 15:22 | 4° <u>♄</u> 22'56 | |
| max. Earth dist. | -880 Oct 03 j 11:00 | 2° <u>♄</u> 20'52 | 19.55204 AU | conjunction | -872 Nov 08 j 10:44 | 8° <u>♄</u> 36'53 | 0°16'10 |
| retrograde | -879 Jan 18 j 20:48 | 6° <u>♄</u> 40'45 | | minimum elong | -872 Nov 08 j 10:44 | 8° <u>♄</u> 36'53 | 0°16'09 |
| opposition | -879 Apr 03 j 13:37 | 4° <u>♄</u> 39'43 | 0°40'46 | behind sun begin | -872 Nov 08 j 09:53 | 8° <u>♄</u> 36'46 | |
| min. Earth dist. | -879 Apr 03 j 19:15 | 4° <u>♄</u> 39'08 | 17.57979 AU | behind sun end | -872 Nov 08 j 11:35 | 8° <u>♄</u> 37'01 | |
| direct | -879 Jun 19 j 17:42 | 2° <u>♄</u> 35'26 | | max. Earth dist. | -872 Nov 08 j 19:13 | 8° <u>♄</u> 38'10 | 20.05500 AU |
| conjunction | -879 Oct 08 j 15:20 | 7° <u>♄</u> 00'21 | 0°35'33 | retrograde | -871 Feb 23 j 22:23 | 12° <u>♄</u> 48'37 | |
| minimum elong | -879 Oct 08 j 15:20 | 7° <u>♄</u> 00'21 | 0°35'33 | opposition | -871 May 11 j 06:44 | 10° <u>♄</u> 48'26 | 0°16'09 |
| max. Earth dist. | -879 Oct 08 j 10:27 | 6° <u>♄</u> 59'35 | 19.60837 AU | min. Earth dist. | -871 May 10 j 21:30 | 10° <u>♄</u> 49'22 | 18.08875 AU |
| retrograde | -878 Jan 23 j 17:17 | 11° <u>♄</u> 18'11 | | direct | -871 Jul 27 j 10:15 | 8° <u>♄</u> 47'08 | |
| opposition | -878 Apr 08 j 14:47 | 9° <u>♄</u> 17'20 | 0°38'21 | conjunction | -871 Nov 12 j 23:36 | 12° <u>♄</u> 59'27 | 0°12'57 |
| min. Earth dist. | -878 Apr 08 j 18:54 | 9° <u>♄</u> 16'54 | 17.63762 AU | minimum elong | -871 Nov 12 j 23:36 | 12° <u>♄</u> 59'27 | 0°12'56 |
| direct | -878 Jun 24 j 18:48 | 7° <u>♄</u> 13'28 | | behind sun begin | -871 Nov 12 j 19:30 | 12° <u>♄</u> 58'51 | |
| conjunction | -878 Oct 13 j 10:28 | 11° <u>♄</u> 36'59 | 0°33'17 | behind sun end | -871 Nov 13 j 03:42 | 13° <u>♄</u> 00'04 | |
| minimum elong | -878 Oct 13 j 10:28 | 11° <u>♄</u> 36'59 | 0°33'17 | max. Earth dist. | -871 Nov 13 j 10:37 | 13° <u>♄</u> 01'07 | 20.12304 AU |
| max. Earth dist. | -878 Oct 13 j 06:33 | 11° <u>♄</u> 36'22 | 19.66766 AU | retrograde | -871 Dec 17 j 06:38 | 15° <u>♄</u> | |
| retrograde | -877 Jan 28 j 14:03 | 15° <u>♄</u> 54'02 | | retrograde | -870 Feb 28 j 14:16 | 17° <u>♄</u> 10'17 | |
| opposition | -877 Apr 13 j 15:29 | 13° <u>♄</u> 53'20 | 0°35'41 | opposition | -870 May 16 j 02:23 | 15° <u>♄</u> 10'11 | 0°12'32 |
| min. Earth dist. | -877 Apr 13 j 17:25 | 13° <u>♄</u> 53'08 | 17.69814 AU | min. Earth dist. | -870 May 15 j 14:19 | 15° <u>♄</u> 11'25 | 18.15723 AU |
| | | | | direct | -870 May 20 j 05:59 | 15° <u>♄</u> | |
| | | | | direct | -870 Aug 01 j 05:41 | 13° <u>♄</u> 09'16 | |
| | | | | direct | -870 Oct 07 j 18:34 | 15° <u>♄</u> | |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 3

Attention, astronomical year style is used: The year -870 in astronomical counting style is the year 871 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|------------|-------------|------------------|---------------------|------------|-------------|
| conjunction | -870 Nov 17 j 11:31 | 17°M.19'59 | 0°09'41 | behind sun end | -864 Dec 12 j 02:02 | 12°Z.47'55 | |
| minimum elong | -870 Nov 17 j 11:31 | 17°M.19'59 | 0°09'41 | max. Earth dist. | -864 Dec 12 j 19:10 | 12°Z.50'29 | 20.59748 AU |
| behind sun begin | -870 Nov 17 j 06:05 | 17°M.19'11 | | retrograde | -863 Mar 30 j 11:27 | 16°Z.52'51 | |
| behind sun end | -870 Nov 17 j 16:57 | 17°M.20'47 | | min. Earth dist. | -863 Jun 15 j 03:01 | 14°Z.55'50 | 18.62806 AU |
| max. Earth dist. | -870 Nov 18 j 00:14 | 17°M.21'54 | 20.19192 AU | opposition | -863 Jun 16 j 00:48 | 14°Z.53'39 | 0°-12'-51 |
| retrograde | -869 Mar 05 j 04:11 | 21°M.29'58 | | direct | -863 Aug 31 j 13:32 | 12°Z.55'33 | |
| opposition | -869 May 20 j 21:32 | 19°M.29'58 | 0°08'53 | | | | |
| min. Earth dist. | -869 May 20 j 08:19 | 19°M.31'18 | 18.22657 AU | conjunction | -863 Dec 16 j 04:30 | 16°Z.56'26 | 0°-13'-11 |
| direct | -869 Aug 05 j 22:25 | 17°M.29'26 | | minimum elong | -863 Dec 16 j 04:30 | 16°Z.56'26 | 0°13'13 |
| | | | | behind sun begin | -863 Dec 16 j 00:33 | 16°Z.55'52 | |
| conjunction | -869 Nov 21 j 22:38 | 21°M.38'36 | 0°06'24 | behind sun end | -863 Dec 16 j 08:26 | 16°Z.57'00 | |
| minimum elong | -869 Nov 21 j 22:38 | 21°M.38'36 | 0°06'23 | max. Earth dist. | -863 Dec 17 j 03:33 | 16°Z.59'51 | 20.65756 AU |
| behind sun begin | -869 Nov 21 j 16:28 | 21°M.37'42 | | retrograde | -862 Apr 04 j 00:32 | 21°Z.01'30 | |
| behind sun end | -869 Nov 22 j 04:49 | 21°M.39'31 | | opposition | -862 Jun 20 j 14:37 | 19°Z.02'23 | 0°-16'-17 |
| max. Earth dist. | -869 Nov 22 j 13:33 | 21°M.40'51 | 20.26153 AU | min. Earth dist. | -862 Jun 19 j 15:05 | 19°Z.04'45 | 18.68629 AU |
| retrograde | -868 Mar 08 j 19:19 | 25°M.47'47 | | direct | -862 Sep 05 j 02:57 | 17°Z.04'35 | |
| opposition | -868 May 24 j 15:50 | 23°M.47'54 | 0°05'12 | | | | |
| min. Earth dist. | -868 May 23 j 23:43 | 23°M.49'32 | 18.29624 AU | conjunction | -862 Dec 20 j 11:45 | 21°Z.04'17 | 0°-16'-14 |
| direct | -868 Aug 09 j 15:53 | 21°M.47'48 | | minimum elong | -862 Dec 20 j 11:45 | 21°Z.04'17 | 0°16'16 |
| | | | | max. Earth dist. | -862 Dec 21 j 11:49 | 21°Z.07'50 | 20.71371 AU |
| conjunction | -868 Nov 25 j 09:04 | 25°M.55'27 | 0°03'06 | retrograde | -861 Apr 08 j 09:59 | 25°Z.08'46 | |
| minimum elong | -868 Nov 25 j 09:04 | 25°M.55'27 | 0°03'06 | min. Earth dist. | -861 Jun 24 j 04:55 | 23°Z.12'00 | 18.74051 AU |
| behind sun begin | -868 Nov 25 j 02:33 | 25°M.54'30 | | opposition | -861 Jun 25 j 04:04 | 23°Z.09'41 | 0°-19'-36 |
| behind sun end | -868 Nov 25 j 15:34 | 25°M.56'25 | | direct | -861 Sep 09 j 13:10 | 21°Z.12'08 | |
| max. Earth dist. | -868 Nov 26 j 01:43 | 25°M.57'57 | 20.33115 AU | | | | |
| | -867 Mar 01 j 02:55 | 0°Z.03'52 | | conjunction | -861 Dec 24 j 18:23 | 25°Z.10'41 | 0°-19'-10 |
| retrograde | -867 Mar 13 j 08:16 | 0°Z.03'52 | | minimum elong | -861 Dec 24 j 18:23 | 25°Z.10'41 | 0°19'11 |
| | -867 Mar 25 j 18:36 | 30°R.M. | | max. Earth dist. | -861 Dec 25 j 18:52 | 25°Z.14'17 | 20.76594 AU |
| opposition | -867 May 29 j 09:30 | 28°M.04'08 | 0°01'31 | retrograde | -860 Apr 11 j 21:22 | 29°Z.14'35 | |
| min. Earth dist. | -867 May 28 j 16:38 | 28°M.05'51 | 18.36581 AU | opposition | -860 Jun 28 j 16:41 | 27°Z.15'31 | 0°-22'-48 |
| direct | -867 Aug 14 j 06:36 | 26°M.04'28 | | min. Earth dist. | -860 Jun 27 j 15:53 | 27°Z.18'00 | 18.79071 AU |
| desc. node | -867 Oct 29 j 10:43 | 28°M.21'34 | | direct | -860 Sep 13 j 01:37 | 25°Z.18'10 | |
| | -867 Nov 26 j 19:51 | 0°Z.03'52 | | | | | |
| conjunction | -867 Nov 29 j 18:48 | 0°Z.10'40 | 0°00'-17 | conjunction | -860 Dec 28 j 00:41 | 29°Z.15'38 | 0°-22'00 |
| minimum elong | -867 Nov 29 j 18:49 | 0°Z.10'40 | 0°00'19 | minimum elong | -860 Dec 28 j 00:41 | 29°Z.15'38 | 0°22'02 |
| behind sun begin | -867 Nov 29 j 12:19 | 0°Z.09'43 | | max. Earth dist. | -860 Dec 29 j 02:14 | 29°Z.19'22 | 20.81409 AU |
| behind sun end | -867 Nov 30 j 01:18 | 0°Z.11'36 | | retrograde | -859 Jan 09 j 17:26 | 0°Z.00'00 | |
| max. Earth dist. | -867 Nov 30 j 13:12 | 0°Z.13'25 | 20.40039 AU | min. Earth dist. | -859 Apr 16 j 05:52 | 3°Z.19'00 | |
| retrograde | -866 Mar 17 j 22:59 | 4°Z.18'20 | | opposition | -859 Jul 02 j 04:13 | 1°Z.22'20 | 18.83709 AU |
| min. Earth dist. | -866 Jun 02 j 06:52 | 2°Z.20'43 | 18.43444 AU | opposition | -859 Jul 03 j 04:33 | 1°Z.19'54 | 0°-25'-51 |
| opposition | -866 Jun 03 j 02:16 | 2°Z.18'45 | 0°-2'-8 | direct | -859 Aug 08 j 18:38 | 30°R.Z. | |
| direct | -866 Aug 18 j 22:15 | 0°Z.19'30 | | direct | -859 Sep 17 j 10:38 | 29°Z.22'44 | |
| | | | | | -859 Oct 25 j 20:01 | 0°Z.00'00 | |
| conjunction | -866 Dec 04 j 04:00 | 4°Z.24'18 | 0°-3'-38 | conjunction | -858 Jan 01 j 06:31 | 3°Z.19'10 | 0°-24'-42 |
| minimum elong | -866 Dec 04 j 03:59 | 4°Z.24'18 | 0°03'39 | minimum elong | -858 Jan 01 j 06:31 | 3°Z.19'10 | 0°24'43 |
| behind sun begin | -866 Dec 03 j 21:30 | 4°Z.23'22 | | max. Earth dist. | -858 Jan 02 j 08:22 | 3°Z.22'57 | 20.85871 AU |
| behind sun end | -866 Dec 04 j 10:27 | 4°Z.25'15 | | retrograde | -858 Apr 20 j 15:49 | 7°Z.22'03 | |
| max. Earth dist. | -866 Dec 04 j 23:53 | 4°Z.27'16 | 20.46820 AU | opposition | -858 Jul 07 j 15:36 | 5°Z.22'54 | 0°-28'-45 |
| retrograde | -865 Mar 22 j 10:35 | 8°Z.31'17 | | min. Earth dist. | -858 Jul 06 j 13:46 | 5°Z.25'29 | 18.88001 AU |
| opposition | -865 Jun 07 j 18:27 | 6°Z.31'51 | 0°-5'-46 | direct | -858 Sep 21 j 20:59 | 3°Z.25'53 | |
| min. Earth dist. | -865 Jun 06 j 22:47 | 6°Z.33'50 | 18.50147 AU | | | | |
| direct | -865 Aug 23 j 11:29 | 4°Z.33'01 | | conjunction | -857 Jan 05 j 11:56 | 7°Z.21'24 | 0°-27'-15 |
| | | | | minimum elong | -857 Jan 05 j 11:56 | 7°Z.21'24 | 0°27'18 |
| conjunction | -865 Dec 08 j 12:39 | 8°Z.36'27 | 0°-6'-52 | max. Earth dist. | -857 Jan 06 j 14:53 | 7°Z.25'19 | 20.89984 AU |
| minimum elong | -865 Dec 08 j 12:39 | 8°Z.36'27 | 0°06'54 | retrograde | -857 Apr 24 j 23:32 | 11°Z.23'50 | |
| behind sun begin | -865 Dec 08 j 06:34 | 8°Z.35'34 | | min. Earth dist. | -857 Jul 11 j 00:39 | 9°Z.27'13 | 18.91967 AU |
| behind sun end | -865 Dec 08 j 18:44 | 8°Z.37'20 | | opposition | -857 Jul 12 j 02:08 | 9°Z.24'40 | 0°-31'-30 |
| max. Earth dist. | -865 Dec 09 j 09:46 | 8°Z.39'36 | 20.53421 AU | direct | -857 Sep 26 j 04:51 | 7°Z.27'48 | |
| retrograde | -864 Mar 26 j 00:59 | 12°Z.42'46 | | | | | |
| min. Earth dist. | -864 Jun 10 j 12:00 | 10°Z.45'41 | 18.56625 AU | conjunction | -856 Jan 09 j 17:08 | 11°Z.22'28 | 0°-29'-40 |
| opposition | -864 Jun 11 j 09:54 | 10°Z.43'28 | 0°-9'-21 | minimum elong | -856 Jan 09 j 17:08 | 11°Z.22'28 | 0°29'42 |
| direct | -864 Aug 27 j 01:46 | 8°Z.45'01 | | max. Earth dist. | -856 Jan 10 j 20:14 | 11°Z.26'24 | 20.93804 AU |
| | | | | retrograde | -856 Apr 28 j 08:36 | 15°Z.24'32 | |
| conjunction | -864 Dec 11 j 20:44 | 12°Z.47'09 | 0°-10'-4 | min. Earth dist. | -856 Jul 14 j 09:06 | 13°Z.28'01 | 18.95639 AU |
| minimum elong | -864 Dec 11 j 20:44 | 12°Z.47'10 | 0°10'06 | opposition | -856 Jul 15 j 11:59 | 13°Z.25'20 | 0°-34'-5 |
| behind sun begin | -864 Dec 11 j 15:26 | 12°Z.46'24 | | direct | -856 Sep 29 j 13:09 | 11°Z.28'37 | |

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Attention, astronomical year style is used: The year -855 in astronomical counting style is the year 856 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| conjunction | -855 Jan 12 j 22:06 | 15°☾22'33 | 0°-31'-55 | direct | -848 Oct 31 j 09:56 | 13°≈15'37 | |
| minimum elong | -855 Jan 12 j 22:06 | 15°☾22'33 | 0°31'57 | | -847 Jan 05 j 10:09 | 15°≈ | |
| max. Earth dist. | -855 Jan 14 j 02:10 | 15°☾26'36 | 20.97310 AU | | | | |
| retrograde | -855 May 02 j 16:03 | 19°☾24'18 | | conjunction | -847 Feb 13 j 15:05 | 17°≈07'06 | 0°-43'-37 |
| opposition | -855 Jul 19 j 21:21 | 17°☾25'07 | 0°-36'-28 | minimum elong | -847 Feb 13 j 15:05 | 17°≈07'06 | 0°43'39 |
| min. Earth dist. | -855 Jul 18 j 18:59 | 17°☾27'45 | 18.98990 AU | max. Earth dist. | -847 Feb 14 j 16:18 | 17°≈10'41 | 21.10526 AU |
| direct | -855 Oct 03 j 19:39 | 15°☾28'33 | | retrograde | -847 Jun 04 j 08:08 | 21°≈08'29 | |
| | | | | opposition | -847 Aug 21 j 10:13 | 19°≈09'13 | 0°-48'-31 |
| conjunction | -854 Jan 17 j 03:00 | 19°☾21'50 | 0°-34'-1 | min. Earth dist. | -847 Aug 20 j 12:01 | 19°≈11'27 | 19.10268 AU |
| minimum elong | -854 Jan 17 j 02:59 | 19°☾21'50 | 0°34'03 | direct | -847 Nov 04 j 14:37 | 17°≈13'09 | |
| max. Earth dist. | -854 Jan 18 j 06:50 | 19°☾25'51 | 21.00500 AU | | | | |
| retrograde | -854 May 07 j 00:51 | 23°☾23'20 | | conjunction | -846 Feb 17 j 20:58 | 21°≈04'41 | 0°-44'-11 |
| min. Earth dist. | -854 Jul 23 j 02:39 | 21°☾26'53 | 19.02009 AU | minimum elong | -846 Feb 17 j 20:59 | 21°≈04'41 | 0°44'12 |
| opposition | -854 Jul 24 j 05:58 | 21°☾24'10 | 0°-38'-41 | max. Earth dist. | -846 Feb 18 j 20:31 | 21°≈08'02 | 21.09789 AU |
| direct | -854 Oct 08 j 02:29 | 19°☾27'44 | | retrograde | -846 Jun 08 j 16:52 | 25°≈06'14 | |
| | | | | opposition | -846 Aug 25 j 16:31 | 23°≈06'51 | 0°-49'-2 |
| conjunction | -853 Jan 21 j 07:50 | 23°☾20'30 | 0°-35'-57 | min. Earth dist. | -846 Aug 24 j 18:51 | 23°≈09'02 | 19.09267 AU |
| minimum elong | -853 Jan 21 j 07:49 | 23°☾20'30 | 0°35'58 | direct | -846 Nov 08 j 19:26 | 21°≈10'39 | |
| max. Earth dist. | -853 Jan 22 j 12:21 | 23°☾24'36 | 21.03330 AU | | | | |
| retrograde | -853 May 11 j 07:57 | 27°☾21'49 | | conjunction | -845 Feb 22 j 03:07 | 25°≈02'21 | 0°-44'-32 |
| min. Earth dist. | -853 Jul 27 j 11:55 | 25°☾25'19 | 19.04653 AU | minimum elong | -845 Feb 22 j 03:07 | 25°≈02'21 | 0°44'35 |
| opposition | -853 Jul 28 j 14:26 | 25°☾22'40 | 0°-40'-43 | max. Earth dist. | -845 Feb 23 j 02:16 | 25°≈05'38 | 21.08538 AU |
| direct | -853 Oct 12 j 07:53 | 23°☾26'23 | | retrograde | -845 Jun 12 j 23:46 | 29°≈04'06 | |
| | | | | opposition | -845 Aug 29 j 22:46 | 27°≈04'35 | 0°-49'-19 |
| conjunction | -852 Jan 25 j 12:30 | 27°☾18'42 | 0°-37'-42 | min. Earth dist. | -845 Aug 29 j 02:35 | 27°≈06'38 | 19.07783 AU |
| minimum elong | -852 Jan 25 j 12:30 | 27°☾18'42 | 0°37'44 | direct | -845 Nov 12 j 23:36 | 25°≈08'16 | |
| max. Earth dist. | -852 Jan 26 j 16:34 | 27°☾22'43 | 21.05784 AU | | | | |
| | -852 Mar 16 j 20:00 | 0°≈ | | conjunction | -844 Feb 26 j 09:27 | 29°≈00'12 | 0°-44'-41 |
| retrograde | -852 May 14 j 17:18 | 1°≈19'54 | | minimum elong | -844 Feb 26 j 09:27 | 29°≈00'12 | 0°44'42 |
| | -852 Jul 15 j 06:36 | 30°☾ | | max. Earth dist. | -844 Feb 27 j 06:58 | 29°≈03'15 | 21.06850 AU |
| opposition | -852 Jul 31 j 22:27 | 29°☾20'47 | 0°-42'-33 | | -844 Mar 15 j 02:01 | 0°☾ | |
| min. Earth dist. | -852 Jul 30 j 19:25 | 29°☾23'29 | 19.06896 AU | retrograde | -844 Jun 16 j 08:57 | 3°☾02'14 | |
| direct | -852 Oct 15 j 13:54 | 27°☾24'37 | | min. Earth dist. | -844 Sep 01 j 09:13 | 1°☾04'34 | 19.05887 AU |
| | -851 Jan 06 j 01:30 | 0°≈ | | opposition | -844 Sep 02 j 04:50 | 1°☾02'35 | 0°-49'-21 |
| | | | | | -844 Sep 29 j 08:17 | 30°☾ | |
| conjunction | -851 Jan 28 j 17:30 | 1°≈16'36 | 0°-39'-16 | direct | -844 Nov 16 j 04:28 | 29°≈06'05 | |
| minimum elong | -851 Jan 28 j 17:30 | 1°≈16'36 | 0°39'17 | | -843 Jan 01 j 12:40 | 0°☾ | |
| max. Earth dist. | -851 Jan 29 j 21:52 | 1°≈20'39 | 21.07793 AU | | | | |
| retrograde | -851 May 19 j 00:02 | 5°≈17'44 | | conjunction | -843 Mar 01 j 16:21 | 2°☾58'23 | 0°-44'-37 |
| min. Earth dist. | -851 Aug 04 j 04:18 | 3°≈21'13 | 19.08669 AU | minimum elong | -843 Mar 01 j 16:21 | 2°☾58'23 | 0°44'38 |
| opposition | -851 Aug 05 j 06:04 | 3°≈18'38 | 0°-44'-11 | max. Earth dist. | -843 Mar 02 j 13:25 | 3°☾01'22 | 21.04747 AU |
| direct | -851 Oct 19 j 18:42 | 1°≈22'35 | | retrograde | -843 Jun 20 j 16:12 | 7°☾00'43 | |
| | | | | opposition | -843 Sep 06 j 10:44 | 5°☾00'58 | 0°-49'-10 |
| conjunction | -850 Feb 01 j 22:37 | 5°≈14'19 | 0°-40'-39 | min. Earth dist. | -843 Sep 05 j 16:39 | 5°☾02'48 | 19.03593 AU |
| minimum elong | -850 Feb 01 j 22:37 | 5°≈14'19 | 0°40'41 | direct | -843 Nov 20 j 08:00 | 3°☾04'19 | |
| max. Earth dist. | -850 Feb 03 j 01:55 | 5°≈18'13 | 21.09322 AU | | | | |
| retrograde | -850 May 23 j 09:35 | 9°≈15'27 | | conjunction | -842 Mar 05 j 23:34 | 6°☾57'03 | 0°-44'-20 |
| min. Earth dist. | -850 Aug 08 j 11:42 | 7°≈18'56 | 19.09935 AU | minimum elong | -842 Mar 05 j 23:34 | 6°☾57'03 | 0°44'21 |
| opposition | -850 Aug 09 j 13:25 | 7°≈16'21 | 0°-45'-36 | max. Earth dist. | -842 Mar 06 j 18:48 | 6°☾59'47 | 21.02285 AU |
| direct | -850 Oct 24 j 00:07 | 5°≈20'22 | | retrograde | -842 Jun 25 j 02:01 | 10°☾59'47 | |
| | | | | opposition | -842 Sep 10 j 16:44 | 8°☾59'54 | 0°-48'-44 |
| conjunction | -849 Feb 06 j 03:49 | 9°≈11'56 | 0°-41'-51 | min. Earth dist. | -842 Sep 09 j 23:21 | 9°☾01'41 | 19.00954 AU |
| minimum elong | -849 Feb 06 j 03:49 | 9°≈11'56 | 0°41'52 | direct | -842 Nov 24 j 13:06 | 7°☾03'06 | |
| max. Earth dist. | -849 Feb 07 j 06:59 | 9°≈15'49 | 21.10298 AU | | | | |
| retrograde | -849 May 27 j 16:10 | 13°≈13'07 | | conjunction | -841 Mar 10 j 07:11 | 10°☾56'23 | 0°-43'-50 |
| opposition | -849 Aug 13 j 20:39 | 11°≈14'01 | 0°-46'-48 | minimum elong | -841 Mar 10 j 07:11 | 10°☾56'23 | 0°43'51 |
| min. Earth dist. | -849 Aug 12 j 20:25 | 11°≈16'26 | 19.10626 AU | max. Earth dist. | -841 Mar 11 j 01:58 | 10°☾59'03 | 20.99468 AU |
| direct | -849 Oct 28 j 04:53 | 9°≈18'03 | | retrograde | -841 Jun 29 j 10:20 | 14°☾59'34 | |
| | | | | opposition | -841 Sep 14 j 22:54 | 12°☾59'36 | 0°-48'-5 |
| conjunction | -848 Feb 10 j 09:20 | 13°≈09'31 | 0°-42'-50 | min. Earth dist. | -841 Sep 14 j 07:00 | 13°☾01'13 | 18.97965 AU |
| minimum elong | -848 Feb 10 j 09:20 | 13°≈09'31 | 0°42'51 | direct | -841 Nov 28 j 16:50 | 11°☾02'38 | |
| max. Earth dist. | -848 Feb 11 j 11:01 | 13°≈13'11 | 21.10710 AU | | | | |
| | -848 Mar 14 j 21:42 | 15°≈ | | conjunction | -840 Mar 13 j 15:27 | 14°☾56'32 | 0°-43'-8 |
| retrograde | -848 May 31 j 01:24 | 17°≈10'48 | | minimum elong | -840 Mar 13 j 15:27 | 14°☾56'32 | 0°43'10 |
| min. Earth dist. | -848 Aug 16 j 03:41 | 15°≈14'01 | 19.10742 AU | max. Earth dist. | -840 Mar 14 j 08:13 | 14°☾58'55 | 20.96328 AU |
| opposition | -848 Aug 17 j 03:31 | 15°≈11'37 | 0°-47'-47 | retrograde | -840 Jul 02 j 20:40 | 19°☾00'14 | |
| | -848 Aug 21 j 23:29 | 15°☾ | | opposition | -840 Sep 18 j 05:02 | 17°☾00'10 | 0°-47'-11 |

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Attention, astronomical year style is used: The year -840 in astronomical counting style is the year 841 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-------------------------------|-------------|------------------|---------------------|-------------------------------|-------------|
| min. Earth dist. | -840 Sep 17 j 14:11 | 17° ✕ 01'41 | 18.94653 AU | min. Earth dist. | -832 Oct 20 j 17:13 | 19° Υ 49'36 | 18.54192 AU |
| direct | -840 Dec 01 j 22:07 | 15° ✕ 03'02 | | direct | -831 Jan 03 j 06:34 | 17° Υ 50'09 | |
| conjunction | -839 Mar 18 j 00:29 | 18° ✕ 57'42 | 0°-42'-13 | conjunction | -831 Apr 21 j 03:27 | 21° Υ 53'24 | 0°-27'-31 |
| minimum elong | -839 Mar 18 j 00:29 | 18° ✕ 57'42 | 0°42'14 | minimum elong | -831 Apr 21 j 03:27 | 21° Υ 53'24 | 0°27'32 |
| max. Earth dist. | -839 Mar 18 j 16:30 | 18° ✕ 59'59 | 20.92839 AU | max. Earth dist. | -831 Apr 21 j 02:42 | 21° Υ 53'18 | 20.50951 AU |
| retrograde | -839 Jul 07 j 06:24 | 23° ✕ 01'56 | | retrograde | -831 Aug 10 j 05:07 | 26° Υ 03'12 | |
| opposition | -839 Sep 22 j 11:28 | 21° ✕ 01'49 | 0°-46'-4 | opposition | -831 Oct 25 j 02:27 | 24° Υ 01'59 | 0°-29'00 |
| min. Earth dist. | -839 Sep 21 j 22:23 | 21° ✕ 03'10 | 18.90980 AU | min. Earth dist. | -831 Oct 25 j 04:03 | 24° Υ 01'49 | 18.47638 AU |
| direct | -839 Dec 06 j 02:57 | 19° ✕ 04'31 | | direct | -830 Jan 07 j 16:00 | 22° Υ 02'09 | |
| conjunction | -838 Mar 22 j 10:01 | 22° ✕ 59'59 | 0°-41'-5 | conjunction | -830 Apr 25 j 19:03 | 26° Υ 06'44 | 0°-24'-51 |
| minimum elong | -838 Mar 22 j 10:02 | 22° ✕ 59'59 | 0°41'07 | minimum elong | -830 Apr 25 j 19:03 | 26° Υ 06'44 | 0°24'51 |
| max. Earth dist. | -838 Mar 22 j 23:36 | 23° ✕ 01'56 | 20.88998 AU | max. Earth dist. | -830 Apr 25 j 15:13 | 26° Υ 06'11 | 20.44328 AU |
| retrograde | -838 Jul 11 j 17:13 | 27° ✕ 04'51 | | retrograde | -830 Jul 19 j 15:53 | 0° ♁ | |
| opposition | -838 Sep 26 j 18:05 | 25° ✕ 04'39 | 0°-44'-42 | retrograde | -830 Aug 14 j 19:16 | 0° ♁ 17'21 | |
| min. Earth dist. | -838 Sep 26 j 06:24 | 25° ✕ 05'51 | 18.86946 AU | retrograde | -830 Sep 10 j 00:47 | 30° ♁ Υ | |
| direct | -838 Dec 10 j 08:21 | 23° ✕ 07'10 | | opposition | -830 Oct 29 j 12:15 | 28° Υ 15'57 | 0°-25'-58 |
| conjunction | -837 Mar 26 j 20:29 | 27° ✕ 03'33 | 0°-39'-45 | min. Earth dist. | -830 Oct 29 j 15:45 | 28° Υ 15'35 | 18.40960 AU |
| minimum elong | -837 Mar 26 j 20:29 | 27° ✕ 03'33 | 0°39'46 | direct | -829 Jan 12 j 02:42 | 26° Υ 15'42 | |
| max. Earth dist. | -837 Mar 27 j 09:01 | 27° ✕ 05'21 | 20.84764 AU | direct | -829 Apr 24 j 07:08 | 0° ♁ | |
| retrograde | -837 Jul 16 j 04:03 | 1° Υ 09'03 | | conjunction | -829 Apr 30 j 11:47 | 0° ♁ 21'44 | 0°-22'-2 |
| retrograde | -837 Sep 09 j 15:39 | 30° ♁ ✕ | | minimum elong | -829 Apr 30 j 11:47 | 0° ♁ 21'44 | 0°22'03 |
| opposition | -837 Oct 01 j 01:02 | 29° ✕ 08'47 | 0°-43'-7 | max. Earth dist. | -829 Apr 30 j 07:07 | 0° ♁ 21'03 | 20.37600 AU |
| min. Earth dist. | -837 Sep 30 j 15:21 | 29° ✕ 09'47 | 18.82504 AU | retrograde | -829 Aug 19 j 09:14 | 4° ♁ 33'10 | |
| direct | -837 Dec 14 j 14:42 | 27° ✕ 11'04 | | opposition | -829 Nov 02 j 22:28 | 2° ♁ 31'37 | 0°-22'-47 |
| conjunction | -836 Mar 10 j 04:18 | 0° Υ | | min. Earth dist. | -829 Nov 03 j 03:17 | 2° ♁ 31'07 | 18.34199 AU |
| conjunction | -836 Mar 30 j 07:39 | 1° Υ 08'27 | 0°-38'-12 | direct | -828 Jan 16 j 13:37 | 0° ♁ 30'59 | |
| minimum elong | -836 Mar 30 j 07:39 | 1° Υ 08'27 | 0°38'13 | conjunction | -828 May 04 j 05:12 | 4° ♁ 38'28 | 0°-19'-5 |
| max. Earth dist. | -836 Mar 30 j 17:11 | 1° Υ 09'49 | 20.80121 AU | minimum elong | -828 May 04 j 05:12 | 4° ♁ 38'28 | 0°19'06 |
| retrograde | -836 Jul 19 j 15:31 | 5° Υ 14'38 | | max. Earth dist. | -828 May 03 j 21:24 | 4° ♁ 37'20 | 20.30827 AU |
| opposition | -836 Oct 04 j 08:22 | 3° Υ 14'15 | 0°-41'-18 | retrograde | -828 Aug 23 j 00:18 | 8° ♁ 50'46 | |
| min. Earth dist. | -836 Oct 04 j 00:30 | 3° Υ 15'04 | 18.77638 AU | opposition | -828 Nov 06 j 09:26 | 6° ♁ 49'06 | 0°-19'-27 |
| direct | -836 Dec 17 j 21:04 | 1° Υ 16'16 | | min. Earth dist. | -828 Nov 06 j 16:17 | 6° ♁ 48'22 | 18.27423 AU |
| conjunction | -835 Apr 03 j 19:48 | 5° Υ 14'42 | 0°-36'-27 | direct | -827 Jan 20 j 01:32 | 4° ♁ 48'04 | |
| minimum elong | -835 Apr 03 j 19:49 | 5° Υ 14'42 | 0°36'27 | conjunction | -827 May 08 j 23:39 | 8° ♁ 57'06 | 0°-16'-1 |
| max. Earth dist. | -835 Apr 04 j 03:53 | 5° Υ 15'52 | 20.75026 AU | minimum elong | -827 May 08 j 23:39 | 8° ♁ 57'06 | 0°16'01 |
| retrograde | -835 Jul 24 j 03:01 | 9° Υ 21'33 | | max. Earth dist. | -827 May 08 j 15:05 | 8° ♁ 55'51 | 20.24046 AU |
| opposition | -835 Oct 08 j 15:58 | 7° Υ 21'03 | 0°-39'-15 | retrograde | -827 Aug 27 j 16:01 | 13° ♁ 10'15 | |
| min. Earth dist. | -835 Oct 08 j 10:10 | 7° Υ 21'39 | 18.72317 AU | opposition | -827 Nov 10 j 20:57 | 11° ♁ 08'30 | 0°-15'-59 |
| direct | -835 Dec 22 j 04:47 | 5° Υ 22'46 | | min. Earth dist. | -827 Nov 11 j 04:53 | 11° ♁ 07'39 | 18.20647 AU |
| conjunction | -834 Apr 08 j 08:32 | 9° Υ 22'18 | 0°-34'-30 | direct | -826 Jan 24 j 14:22 | 9° ♁ 07'07 | |
| minimum elong | -834 Apr 08 j 08:32 | 9° Υ 22'18 | 0°34'30 | conjunction | -826 May 13 j 18:48 | 13° ♁ 17'44 | 0°-12'-50 |
| max. Earth dist. | -834 Apr 08 j 13:20 | 9° Υ 23'00 | 20.69512 AU | minimum elong | -826 May 13 j 18:48 | 13° ♁ 17'44 | 0°12'51 |
| retrograde | -834 Jul 28 j 15:03 | 13° Υ 29'52 | | behind sun begin | -826 May 13 j 14:45 | 13° ♁ 17'09 | |
| opposition | -834 Oct 13 j 00:03 | 11° Υ 29'12 | 0°-37'00 | behind sun end | -826 May 13 j 22:51 | 13° ♁ 18'19 | |
| min. Earth dist. | -834 Oct 12 j 20:11 | 11° Υ 29'36 | 18.66603 AU | max. Earth dist. | -826 May 13 j 07:10 | 13° ♁ 16'01 | 20.17296 AU |
| direct | -834 Dec 26 j 12:40 | 9° Υ 30'33 | | retrograde | -826 Jun 12 j 08:32 | 15° ♁ | |
| conjunction | -833 Apr 12 j 22:00 | 13° Υ 31'15 | 0°-32'-21 | retrograde | -826 Sep 01 j 08:10 | 17° ♁ 31'47 | |
| minimum elong | -833 Apr 12 j 22:00 | 13° Υ 31'15 | 0°32'22 | opposition | -826 Nov 15 j 09:18 | 15° ♁ 29'58 | 0°-12'-23 |
| max. Earth dist. | -833 Apr 13 j 01:34 | 13° Υ 31'46 | 20.63613 AU | min. Earth dist. | -826 Nov 15 j 19:23 | 15° ♁ 28'53 | 18.13924 AU |
| retrograde | -833 Aug 02 j 03:11 | 17° Υ 39'32 | | direct | -826 Nov 27 j 04:03 | 15° ♁ ♁ | |
| opposition | -833 Oct 17 j 08:29 | 15° Υ 38'42 | 0°-34'-31 | direct | -825 Jan 29 j 03:22 | 13° ♁ 28'13 | |
| min. Earth dist. | -833 Oct 17 j 06:28 | 15° Υ 38'54 | 18.60529 AU | retrograde | -825 Mar 31 j 00:54 | 15° ♁ | |
| direct | -833 Dec 30 j 21:13 | 13° Υ 39'40 | | conjunction | -825 May 18 j 14:59 | 17° ♁ 40'28 | 0°-9'-33 |
| conjunction | -832 Apr 16 j 12:15 | 17° Υ 41'36 | 0°-30'-1 | minimum elong | -825 May 18 j 14:59 | 17° ♁ 40'28 | 0°09'33 |
| minimum elong | -832 Apr 16 j 12:15 | 17° Υ 41'36 | 0°30'01 | behind sun begin | -825 May 18 j 09:25 | 17° ♁ 39'39 | |
| max. Earth dist. | -832 Apr 16 j 12:34 | 17° Υ 41'39 | 20.57406 AU | behind sun end | -825 May 18 j 20:34 | 17° ♁ 41'16 | |
| retrograde | -832 Aug 05 j 16:16 | 21° Υ 50'38 | | max. Earth dist. | -825 May 18 j 02:35 | 17° ♁ 38'38 | 20.10589 AU |
| opposition | -832 Oct 20 j 17:12 | 19° Υ 49'36 | 0°-31'-51 | retrograde | -825 Sep 06 j 02:07 | 21° ♁ 55'24 | |
| | | | | opposition | -825 Nov 19 j 22:19 | 19° ♁ 53'33 | 0°-8'-41 |
| | | | | min. Earth dist. | -825 Nov 20 j 09:29 | 19° ♁ 52'21 | 18.07226 AU |

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Attention, astronomical year style is used: The year -824 in astronomical counting style is the year 825 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| direct | -824 Feb 02 j 18:14 | 17°♄51'29 | | conjunction | -818 Jun 20 j 11:54 | 19°♃16'11 | 0°14'43 |
| | | | | minimum elong | -818 Jun 20 j 11:54 | 19°♃16'11 | 0°14'43 |
| conjunction | -824 May 22 j 12:08 | 22°♄05'21 | 0°-6'-11 | behind sun begin | -818 Jun 20 j 09:24 | 19°♃15'49 | |
| minimum elong | -824 May 22 j 12:08 | 22°♄05'21 | 0°06'12 | behind sun end | -818 Jun 20 j 14:24 | 19°♃16'33 | |
| behind sun begin | -824 May 22 j 05:43 | 22°♄04'25 | | retrograde | -818 Oct 07 j 21:29 | 23°♃36'31 | |
| behind sun end | -824 May 22 j 18:33 | 22°♄06'17 | | opposition | -818 Dec 20 j 15:54 | 21°♃34'05 | 0°18'12 |
| max. Earth dist. | -824 May 21 j 20:34 | 22°♄03'03 | 20.03904 AU | min. Earth dist. | -818 Dec 21 j 14:30 | 21°♃31'37 | 17.61986 AU |
| retrograde | -824 Sep 09 j 19:39 | 26°♄21'11 | | direct | -817 Mar 05 j 23:20 | 19°♃29'15 | |
| opposition | -824 Nov 23 j 12:09 | 24°♄19'18 | 0°-4'-54 | max. Earth dist. | -817 Jun 24 j 10:49 | 23°♃49'41 | 19.59104 AU |
| min. Earth dist. | -824 Nov 24 j 01:51 | 24°♄17'50 | 18.00559 AU | | | | |
| direct | -823 Feb 06 j 08:44 | 22°♄16'51 | | conjunction | -817 Jun 25 j 13:59 | 23°♃53'51 | 0°18'03 |
| | | | | minimum elong | -817 Jun 25 j 13:59 | 23°♃53'51 | 0°18'04 |
| conjunction | -823 May 27 j 10:19 | 26°♄32'24 | 0°-2'-45 | retrograde | -817 Oct 12 j 19:44 | 28°♃14'46 | |
| minimum elong | -823 May 27 j 10:19 | 26°♄32'24 | 0°02'45 | opposition | -817 Dec 25 j 11:04 | 26°♃12'14 | 0°21'52 |
| behind sun begin | -823 May 27 j 03:32 | 26°♄31'24 | | min. Earth dist. | -817 Dec 26 j 09:34 | 26°♃09'47 | 17.56345 AU |
| behind sun end | -823 May 27 j 17:05 | 26°♄33'23 | | direct | -816 Mar 09 j 22:15 | 24°♃07'01 | |
| max. Earth dist. | -823 May 26 j 17:39 | 26°♄29'55 | 19.97237 AU | | | | |
| | -823 Aug 02 j 02:11 | 0°♃ | | conjunction | -816 Jun 29 j 16:37 | 28°♃32'56 | 0°21'17 |
| retrograde | -823 Sep 14 j 15:33 | 0°♃49'04 | | minimum elong | -816 Jun 29 j 16:37 | 28°♃32'56 | 0°21'17 |
| | -823 Oct 28 j 21:22 | 30°♃ | | max. Earth dist. | -816 Jun 28 j 12:52 | 28°♃28'40 | 19.53649 AU |
| opposition | -823 Nov 28 j 02:49 | 28°♄47'09 | 0°-1'-3 | | -816 Jul 23 j 15:18 | 0°♄ | |
| min. Earth dist. | -823 Nov 28 j 17:27 | 28°♄45'34 | 17.93897 AU | retrograde | -816 Oct 16 j 16:53 | 2°♄54'22 | |
| direct | -822 Feb 11 j 01:28 | 26°♄44'21 | | opposition | -816 Dec 29 j 07:07 | 0°♄51'46 | 0°25'25 |
| asc. node | -822 Mar 10 j 10:59 | 27°♄04'14 | | min. Earth dist. | -816 Dec 30 j 07:13 | 0°♄49'08 | 17.51121 AU |
| | -822 May 15 j 04:30 | 0°♃ | | | -815 Jan 18 j 15:07 | 30°♃ | |
| | | | | direct | -815 Mar 14 j 20:00 | 28°♃46'13 | |
| conjunction | -822 Jun 01 j 09:02 | 1°♃01'30 | 0°00'49 | | -815 May 07 j 17:58 | 0°♄ | |
| minimum elong | -822 Jun 01 j 09:01 | 1°♃01'30 | 0°00'50 | | | | |
| behind sun begin | -822 Jun 01 j 02:14 | 1°♃00'30 | | conjunction | -815 Jul 04 j 19:30 | 3°♄13'21 | 0°24'23 |
| behind sun end | -822 Jun 01 j 15:48 | 1°♃02'29 | | minimum elong | -815 Jul 04 j 19:30 | 3°♄13'21 | 0°24'24 |
| max. Earth dist. | -822 May 31 j 13:24 | 0°♃58'33 | 19.90579 AU | max. Earth dist. | -815 Jul 03 j 14:44 | 3°♄08'54 | 19.48665 AU |
| retrograde | -822 Sep 19 j 10:35 | 5°♃19'01 | | retrograde | -815 Oct 21 j 15:54 | 7°♄35'17 | |
| opposition | -822 Dec 02 j 18:26 | 3°♃17'00 | 0°02'49 | opposition | -814 Jan 03 j 03:49 | 5°♄32'38 | 0°28'48 |
| min. Earth dist. | -822 Dec 03 j 11:34 | 3°♃15'09 | 17.87266 AU | min. Earth dist. | -814 Jan 04 j 03:23 | 5°♄30'03 | 17.46395 AU |
| direct | -821 Feb 15 j 17:57 | 1°♃13'49 | | direct | -814 Mar 19 j 20:29 | 3°♄26'47 | |
| max. Earth dist. | -821 Jun 05 j 11:57 | 5°♃29'24 | 19.83970 AU | | | | |
| | | | | conjunction | -814 Jul 09 j 22:43 | 7°♄55'05 | 0°27'20 |
| conjunction | -821 Jun 06 j 08:49 | 5°♃32'33 | 0°04'22 | minimum elong | -814 Jul 09 j 22:43 | 7°♄55'05 | 0°27'20 |
| minimum elong | -821 Jun 06 j 08:48 | 5°♃32'33 | 0°04'22 | max. Earth dist. | -814 Jul 08 j 18:21 | 7°♄50'41 | 19.44193 AU |
| behind sun begin | -821 Jun 06 j 02:08 | 5°♃31'34 | | retrograde | -814 Oct 26 j 14:09 | 12°♄17'28 | |
| behind sun end | -821 Jun 06 j 15:28 | 5°♃33'32 | | opposition | -813 Jan 08 j 01:23 | 10°♄14'49 | 0°32'00 |
| retrograde | -821 Sep 24 j 07:26 | 9°♃50'50 | | min. Earth dist. | -813 Jan 09 j 02:00 | 10°♄12'07 | 17.42206 AU |
| opposition | -821 Dec 07 j 10:32 | 7°♃48'45 | 0°06'43 | direct | -813 Mar 24 j 19:35 | 8°♄08'44 | |
| min. Earth dist. | -821 Dec 08 j 04:24 | 7°♃46'48 | 17.80689 AU | max. Earth dist. | -813 Jul 13 j 20:51 | 12°♄33'31 | 19.40290 AU |
| direct | -820 Feb 20 j 12:23 | 5°♃45'09 | | | | | |
| max. Earth dist. | -820 Jun 09 j 09:54 | 10°♃01'53 | 19.77438 AU | conjunction | -813 Jul 15 j 02:16 | 12°♄38'05 | 0°30'07 |
| | | | | minimum elong | -813 Jul 15 j 02:16 | 12°♄38'05 | 0°30'07 |
| conjunction | -820 Jun 10 j 09:17 | 10°♃05'26 | 0°07'51 | retrograde | -813 Oct 31 j 14:08 | 17°♄00'52 | |
| minimum elong | -820 Jun 10 j 09:17 | 10°♃05'26 | 0°07'51 | opposition | -812 Jan 12 j 23:22 | 14°♄58'16 | 0°35'01 |
| behind sun begin | -820 Jun 10 j 03:12 | 10°♃04'32 | | min. Earth dist. | -812 Jan 13 j 23:28 | 14°♄55'38 | 17.38590 AU |
| behind sun end | -820 Jun 10 j 15:21 | 10°♃06'19 | | direct | -812 Mar 28 j 21:30 | 12°♄52'01 | |
| retrograde | -820 Sep 28 j 03:33 | 14°♃24'26 | | max. Earth dist. | -812 Jul 18 j 01:52 | 17°♄17'55 | 19.36951 AU |
| opposition | -820 Dec 11 j 03:40 | 12°♃22'15 | 0°10'36 | | | | |
| min. Earth dist. | -820 Dec 11 j 23:56 | 12°♃20'03 | 17.74235 AU | conjunction | -812 Jul 19 j 06:16 | 17°♄22'21 | 0°32'43 |
| direct | -819 Feb 24 j 06:43 | 10°♃18'13 | | minimum elong | -812 Jul 19 j 06:16 | 17°♄22'21 | 0°32'43 |
| max. Earth dist. | -819 Jun 14 j 09:47 | 14°♃36'17 | 19.71070 AU | retrograde | -812 Nov 04 j 13:34 | 21°♄45'29 | |
| | | | | opposition | -811 Jan 16 j 22:22 | 19°♄42'58 | 0°37'48 |
| conjunction | -819 Jun 15 j 10:18 | 14°♃40'01 | 0°11'18 | min. Earth dist. | -811 Jan 17 j 23:08 | 19°♄40'15 | 17.35531 AU |
| minimum elong | -819 Jun 15 j 10:18 | 14°♃40'00 | 0°11'19 | direct | -811 Apr 02 j 22:08 | 17°♄36'36 | |
| behind sun begin | -819 Jun 15 j 05:25 | 14°♃39'17 | | max. Earth dist. | -811 Jul 23 j 04:44 | 22°♄03'12 | 19.34169 AU |
| behind sun end | -819 Jun 15 j 15:11 | 14°♃40'44 | | | | | |
| retrograde | -819 Oct 03 j 01:05 | 18°♃59'42 | | conjunction | -811 Jul 24 j 10:06 | 22°♄07'47 | 0°35'06 |
| opposition | -819 Dec 15 j 21:22 | 16°♃57'24 | 0°14'26 | minimum elong | -811 Jul 24 j 10:06 | 22°♄07'47 | 0°35'06 |
| min. Earth dist. | -819 Dec 16 j 17:54 | 16°♃55'09 | 17.67972 AU | retrograde | -811 Nov 09 j 14:19 | 26°♄31'13 | |
| direct | -818 Mar 01 j 03:27 | 14°♃52'58 | | opposition | -810 Jan 21 j 21:55 | 24°♄28'47 | 0°40'20 |
| max. Earth dist. | -818 Jun 19 j 09:50 | 19°♃12'12 | 19.64924 AU | min. Earth dist. | -810 Jan 22 j 22:15 | 24°♄26'07 | 17.33024 AU |
| | | | | direct | -810 Apr 08 j 00:53 | 22°♄22'21 | |

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Attention, astronomical year style is used: The year -810 in astronomical counting style is the year 811 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|------------------------|-------------|------------------|---------------------|------------------------|-------------|
| max. Earth dist. | -810 Jul 28 j 10:20 | 26° 5 49'52 | 19.31914 AU | minimum elong | -803 Sep 01 j 13:39 | 0° 7 28'41 | 0°44'29 |
| | | | | max. Earth dist. | -803 Aug 31 j 15:10 | 0° 7 25'08 | 19.29991 AU |
| conjunction | -810 Jul 29 j 14:20 | 26° 5 54'16 | 0°37'15 | retrograde | -803 Dec 17 j 17:31 | 4° 7 51'19 | |
| minimum elong | -810 Jul 29 j 14:20 | 26° 5 54'16 | 0°37'16 | opposition | -802 Mar 01 j 11:06 | 2° 7 49'20 | 0°49'33 |
| | -810 Sep 21 j 20:55 | 0° 7 | | min. Earth dist. | -802 Mar 02 j 06:58 | 2° 7 47'12 | 17.30906 AU |
| retrograde | -810 Nov 14 j 15:02 | 1° 7 17'53 | | direct | -802 May 17 j 07:35 | 0° 7 42'57 | |
| | -809 Jan 09 j 13:36 | 30° R | | | | | |
| opposition | -809 Jan 26 j 22:04 | 29° 5 15'34 | 0°42'37 | conjunction | -802 Sep 06 j 14:57 | 5° 7 14'51 | 0°44'18 |
| min. Earth dist. | -809 Jan 27 j 22:41 | 29° 5 12'53 | 17.31019 AU | minimum elong | -802 Sep 06 j 14:57 | 5° 7 14'51 | 0°44'18 |
| direct | -809 Apr 13 j 03:06 | 27° 5 09'04 | | max. Earth dist. | -802 Sep 05 j 18:07 | 5° 7 11'34 | 19.31896 AU |
| | -809 Jul 07 j 05:33 | 0° 7 | | retrograde | -802 Dec 22 j 17:53 | 9° 7 37'01 | |
| | | | | opposition | -801 Mar 06 j 13:22 | 7° 7 35'06 | 0°49'10 |
| conjunction | -809 Aug 03 j 18:30 | 1° 7 41'33 | 0°39'09 | min. Earth dist. | -801 Mar 07 j 06:39 | 7° 7 33'14 | 17.33111 AU |
| minimum elong | -809 Aug 03 j 18:30 | 1° 7 41'33 | 0°39'09 | direct | -801 May 22 j 13:55 | 5° 7 28'51 | |
| max. Earth dist. | -809 Aug 02 j 13:34 | 1° 7 37'00 | 19.30155 AU | | | | |
| retrograde | -809 Nov 19 j 16:04 | 6° 7 05'18 | | conjunction | -801 Sep 11 j 15:40 | 10° 7 00'04 | 0°43'49 |
| opposition | -808 Jan 31 j 22:53 | 4° 7 03'04 | 0°44'35 | minimum elong | -801 Sep 11 j 15:40 | 10° 7 00'04 | 0°43'48 |
| min. Earth dist. | -808 Feb 01 j 23:15 | 4° 7 00'25 | 17.29510 AU | max. Earth dist. | -801 Sep 10 j 21:14 | 9° 7 57'09 | 19.34417 AU |
| direct | -808 Apr 17 j 05:51 | 1° 7 56'32 | | retrograde | -801 Dec 27 j 15:32 | 14° 7 21'43 | |
| | | | | opposition | -800 Mar 10 j 15:57 | 12° 7 19'53 | 0°48'28 |
| conjunction | -808 Aug 07 j 22:38 | 6° 7 29'27 | 0°40'47 | min. Earth dist. | -800 Mar 11 j 08:24 | 12° 7 18'07 | 17.35950 AU |
| minimum elong | -808 Aug 07 j 22:38 | 6° 7 29'27 | 0°40'47 | direct | -800 May 26 j 16:48 | 10° 7 13'51 | |
| max. Earth dist. | -808 Aug 06 j 19:11 | 6° 7 25'07 | 19.28877 AU | | | | |
| retrograde | -808 Nov 23 j 17:50 | 10° 7 53'13 | | conjunction | -800 Sep 15 j 15:27 | 14° 7 44'15 | 0°43'02 |
| opposition | -807 Feb 05 j 00:14 | 8° 7 51'03 | 0°46'15 | minimum elong | -800 Sep 15 j 15:27 | 14° 7 44'15 | 0°43'03 |
| min. Earth dist. | -807 Feb 06 j 00:08 | 8° 7 48'27 | 17.28464 AU | max. Earth dist. | -800 Sep 14 j 22:36 | 14° 7 41'35 | 19.37580 AU |
| direct | -807 Apr 22 j 09:44 | 6° 7 44'30 | | retrograde | -800 Dec 31 j 15:36 | 19° 7 05'21 | |
| max. Earth dist. | -807 Aug 11 j 22:42 | 11° 7 13'16 | 19.28074 AU | opposition | -799 Mar 15 j 18:16 | 17° 7 03'39 | 0°47'26 |
| | | | | min. Earth dist. | -799 Mar 16 j 07:42 | 17° 7 02'13 | 17.39411 AU |
| conjunction | -807 Aug 13 j 02:28 | 11° 7 17'39 | 0°42'07 | direct | -799 May 31 j 21:20 | 14° 7 57'52 | |
| minimum elong | -807 Aug 13 j 02:28 | 11° 7 17'39 | 0°42'08 | | | | |
| | -807 Oct 21 j 04:42 | 15° 7 | | conjunction | -799 Sep 20 j 14:43 | 19° 7 27'22 | 0°41'59 |
| retrograde | -807 Nov 28 j 18:05 | 15° 7 41'22 | | minimum elong | -799 Sep 20 j 14:43 | 19° 7 27'22 | 0°41'59 |
| | -806 Jan 07 j 06:58 | 15° R | | max. Earth dist. | -799 Sep 20 j 00:52 | 19° 7 25'11 | 19.41343 AU |
| opposition | -806 Feb 10 j 01:57 | 13° 7 39'16 | 0°47'36 | retrograde | -798 Jan 05 j 13:24 | 23° 7 47'52 | |
| min. Earth dist. | -806 Feb 11 j 01:40 | 13° 7 36'41 | 17.27915 AU | opposition | -798 Mar 20 j 20:29 | 21° 7 46'19 | 0°46'05 |
| direct | -806 Apr 27 j 12:18 | 11° 7 32'41 | | min. Earth dist. | -798 Mar 21 j 08:58 | 21° 7 44'59 | 17.43454 AU |
| | -806 Jul 31 j 17:07 | 15° 7 | | direct | -798 Jun 05 j 23:19 | 19° 7 40'52 | |
| max. Earth dist. | -806 Aug 17 j 03:50 | 16° 7 01'47 | 19.27771 AU | | | | |
| | | | | conjunction | -798 Sep 25 j 13:04 | 24° 7 09'21 | 0°40'39 |
| conjunction | -806 Aug 18 j 06:00 | 16° 7 05'56 | 0°43'10 | minimum elong | -798 Sep 25 j 13:04 | 24° 7 09'21 | 0°40'39 |
| minimum elong | -806 Aug 18 j 06:00 | 16° 7 05'56 | 0°43'10 | max. Earth dist. | -798 Sep 25 j 00:28 | 24° 7 07'22 | 19.45663 AU |
| retrograde | -806 Dec 03 j 19:55 | 20° 7 29'29 | | retrograde | -797 Jan 10 j 12:53 | 28° 7 29'13 | |
| opposition | -805 Feb 15 j 03:56 | 18° 7 27'26 | 0°48'36 | opposition | -797 Mar 25 j 22:25 | 26° 7 27'50 | 0°44'26 |
| min. Earth dist. | -805 Feb 16 j 02:29 | 18° 7 24'59 | 17.27848 AU | min. Earth dist. | -797 Mar 26 j 08:01 | 26° 7 26'49 | 17.48010 AU |
| direct | -805 May 02 j 17:52 | 16° 7 20'53 | | direct | -797 Jun 11 j 02:22 | 24° 7 22'45 | |
| max. Earth dist. | -805 Aug 22 j 07:25 | 20° 7 49'57 | 19.27961 AU | | | | |
| | | | | conjunction | -797 Sep 30 j 10:48 | 28° 7 50'06 | 0°39'03 |
| conjunction | -805 Aug 23 j 09:08 | 20° 7 54'01 | 0°43'55 | minimum elong | -797 Sep 30 j 10:48 | 28° 7 50'06 | 0°39'03 |
| minimum elong | -805 Aug 23 j 09:08 | 20° 7 54'01 | 0°43'56 | max. Earth dist. | -797 Sep 30 j 01:23 | 28° 7 48'38 | 19.50446 AU |
| retrograde | -805 Dec 08 j 18:41 | 25° 7 17'21 | | | -797 Oct 19 j 03:35 | 0° 7 | |
| opposition | -804 Feb 20 j 06:09 | 23° 7 15'20 | 0°49'16 | retrograde | -796 Jan 15 j 10:05 | 3° 7 09'18 | |
| min. Earth dist. | -804 Feb 21 j 04:30 | 23° 7 12'54 | 17.28307 AU | opposition | -796 Mar 30 j 00:18 | 1° 7 08'06 | 0°42'30 |
| direct | -804 May 06 j 21:18 | 21° 7 08'47 | | min. Earth dist. | -796 Mar 30 j 08:49 | 1° 7 07'12 | 17.52996 AU |
| max. Earth dist. | -804 Aug 26 j 11:44 | 25° 7 37'53 | 19.28698 AU | | -796 Apr 27 j 09:13 | 30° R | |
| | | | | direct | -796 Jun 15 j 04:12 | 29° 7 03'24 | |
| conjunction | -804 Aug 27 j 11:47 | 25° 7 41'41 | 0°44'21 | | -796 Aug 01 j 07:07 | 0° 7 | |
| minimum elong | -804 Aug 27 j 11:47 | 25° 7 41'41 | 0°44'21 | | | | |
| | -804 Nov 29 j 22:07 | 0° 7 | | conjunction | -796 Oct 04 j 07:37 | 3° 7 29'32 | 0°37'12 |
| retrograde | -804 Dec 12 j 19:41 | 0° 7 04'42 | | minimum elong | -796 Oct 04 j 07:37 | 3° 7 29'32 | 0°37'11 |
| | -804 Dec 25 j 17:46 | 30° R | | max. Earth dist. | -796 Oct 03 j 23:13 | 3° 7 28'13 | 19.55635 AU |
| opposition | -803 Feb 24 j 08:33 | 28° 7 02'42 | 0°49'35 | retrograde | -795 Jan 19 j 08:36 | 7° 7 48'02 | |
| min. Earth dist. | -803 Feb 25 j 04:55 | 28° 7 00'29 | 17.29310 AU | opposition | -795 Apr 04 j 01:47 | 5° 7 47'00 | 0°40'18 |
| direct | -803 May 12 j 04:02 | 25° 7 56'13 | | min. Earth dist. | -795 Apr 04 j 07:36 | 5° 7 46'23 | 17.58361 AU |
| | -803 Aug 25 j 00:17 | 0° 7 | | direct | -795 Jun 20 j 06:05 | 3° 7 42'41 | |
| | | | | | | | |
| conjunction | -803 Sep 01 j 13:39 | 0° 7 28'41 | 0°44'29 | conjunction | -795 Oct 09 j 03:41 | 8° 7 07'30 | 0°35'07 |

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Attention, astronomical year style is used: The year -795 in astronomical counting style is the year 796 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| minimum elong | -795 Oct 09 j 03:41 | 8°♁07'30 | 0°35'07 | conjunction | -787 Nov 13 j 11:32 | 14°♁05'11 | 0°12'23 |
| max. Earth dist. | -795 Oct 08 j 22:29 | 8°♁06'42 | 19.61155 AU | minimum elong | -787 Nov 13 j 11:31 | 14°♁05'11 | 0°12'23 |
| retrograde | -794 Jan 24 j 04:54 | 12°♁25'14 | | behind sun begin | -787 Nov 13 j 07:08 | 14°♁04'31 | |
| opposition | -794 Apr 09 j 02:57 | 10°♁24'22 | 0°37'50 | behind sun end | -787 Nov 13 j 15:55 | 14°♁05'50 | |
| min. Earth dist. | -794 Apr 09 j 07:28 | 10°♁23'54 | 17.64011 AU | max. Earth dist. | -787 Nov 13 j 22:38 | 14°♁06'52 | 20.11987 AU |
| direct | -794 Jun 25 j 07:33 | 8°♁20'28 | | | -787 Nov 28 j 13:23 | 15°♁ | |
| | | | | retrograde | -786 Mar 01 j 01:55 | 18°♁16'04 | |
| conjunction | -794 Oct 13 j 22:51 | 12°♁43'54 | 0°32'48 | opposition | -786 May 16 j 13:55 | 16°♁15'59 | 0°11'55 |
| minimum elong | -794 Oct 13 j 22:51 | 12°♁43'54 | 0°32'47 | min. Earth dist. | -786 May 16 j 01:45 | 16°♁17'14 | 18.15455 AU |
| max. Earth dist. | -794 Oct 13 j 18:30 | 12°♁43'13 | 19.66935 AU | | -786 Jun 19 j 00:46 | 15°♁♁ | |
| retrograde | -793 Jan 29 j 01:50 | 17°♁00'50 | | direct | -786 Aug 01 j 17:38 | 14°♁15'05 | |
| opposition | -793 Apr 14 j 03:27 | 15°♁00'06 | 0°35'09 | | -786 Sep 12 j 18:12 | 15°♁ | |
| min. Earth dist. | -793 Apr 14 j 05:43 | 14°♁59'52 | 17.69902 AU | | | | |
| direct | -793 Jun 30 j 08:21 | 12°♁56'35 | | conjunction | -786 Nov 17 j 23:25 | 18°♁25'56 | 0°09'08 |
| | | | | minimum elong | -786 Nov 17 j 23:25 | 18°♁25'56 | 0°09'07 |
| conjunction | -793 Oct 18 j 17:20 | 17°♁18'34 | 0°30'18 | behind sun begin | -786 Nov 17 j 17:50 | 18°♁25'06 | |
| minimum elong | -793 Oct 18 j 17:20 | 17°♁18'34 | 0°30'18 | behind sun end | -786 Nov 18 j 05:01 | 18°♁26'45 | |
| max. Earth dist. | -793 Oct 18 j 16:00 | 17°♁18'22 | 19.72923 AU | max. Earth dist. | -786 Nov 18 j 12:08 | 18°♁27'51 | 20.18977 AU |
| retrograde | -792 Feb 02 j 20:56 | 21°♁34'41 | | retrograde | -785 Mar 05 j 16:06 | 22°♁36'00 | |
| opposition | -792 Apr 18 j 03:41 | 19°♁34'05 | 0°32'15 | opposition | -785 May 21 j 09:03 | 20°♁36'03 | 0°08'15 |
| min. Earth dist. | -792 Apr 18 j 04:16 | 19°♁34'01 | 17.75966 AU | min. Earth dist. | -785 May 20 j 19:40 | 20°♁37'25 | 18.22492 AU |
| direct | -792 Jul 04 j 09:17 | 17°♁30'58 | | direct | -785 Aug 06 j 09:22 | 18°♁35'34 | |
| | | | | | | | |
| conjunction | -792 Oct 22 j 10:38 | 21°♁51'25 | 0°27'38 | conjunction | -785 Nov 22 j 10:42 | 22°♁44'53 | 0°05'51 |
| minimum elong | -792 Oct 22 j 10:38 | 21°♁51'25 | 0°27'38 | minimum elong | -785 Nov 22 j 10:42 | 22°♁44'53 | 0°05'50 |
| max. Earth dist. | -792 Oct 22 j 10:16 | 21°♁51'21 | 19.79073 AU | behind sun begin | -785 Nov 22 j 04:26 | 22°♁43'57 | |
| retrograde | -791 Feb 06 j 16:20 | 26°♁06'41 | | behind sun end | -785 Nov 22 j 16:57 | 22°♁45'48 | |
| opposition | -791 Apr 23 j 03:15 | 24°♁06'11 | 0°29'10 | max. Earth dist. | -785 Nov 23 j 01:47 | 22°♁47'09 | 20.26040 AU |
| min. Earth dist. | -791 Apr 23 j 01:50 | 24°♁06'19 | 17.82194 AU | retrograde | -784 Mar 09 j 07:15 | 26°♁54'09 | |
| direct | -791 Jul 09 j 08:37 | 22°♁03'25 | | min. Earth dist. | -784 May 24 j 11:20 | 24°♁55'59 | 18.29552 AU |
| | | | | opposition | -784 May 25 j 03:25 | 24°♁54'21 | 0°04'34 |
| conjunction | -791 Oct 27 j 03:12 | 26°♁22'18 | 0°24'48 | direct | -784 Aug 10 j 03:25 | 22°♁54'19 | |
| minimum elong | -791 Oct 27 j 03:12 | 26°♁22'18 | 0°24'47 | | | | |
| max. Earth dist. | -791 Oct 27 j 05:48 | 26°♁22'42 | 19.85370 AU | conjunction | -784 Nov 25 j 21:05 | 27°♁02'06 | 0°02'32 |
| | -790 Jan 05 j 04:26 | 0°♁ | | minimum elong | -784 Nov 25 j 21:06 | 27°♁02'06 | 0°02'31 |
| retrograde | -790 Feb 11 j 09:33 | 0°♁36'41 | | behind sun begin | -784 Nov 25 j 14:34 | 27°♁01'09 | |
| | -790 Mar 21 j 20:58 | 30°♁ | | behind sun end | -784 Nov 26 j 03:37 | 27°♁03'03 | |
| opposition | -790 Apr 28 j 01:55 | 28°♁36'16 | 0°25'56 | max. Earth dist. | -784 Nov 26 j 13:44 | 27°♁04'36 | 20.33082 AU |
| min. Earth dist. | -790 Apr 27 j 22:30 | 28°♁36'37 | 17.88546 AU | | -783 Jan 19 j 14:34 | 0°♁ | |
| direct | -790 Jul 14 j 08:23 | 26°♁33'51 | | retrograde | -783 Mar 13 j 20:36 | 1°♁10'36 | |
| | -790 Oct 17 j 21:16 | 0°♁ | | | -783 May 09 j 02:36 | 30°♁♁ | |
| | | | | opposition | -783 May 29 j 21:12 | 29°♁10'57 | 0°00'53 |
| conjunction | -790 Oct 31 j 18:39 | 0°♁51'08 | 0°21'50 | min. Earth dist. | -783 May 29 j 04:24 | 29°♁12'39 | 18.36572 AU |
| minimum elong | -790 Oct 31 j 18:39 | 0°♁51'08 | 0°21'50 | direct | -783 Aug 14 j 17:38 | 27°♁11'20 | |
| max. Earth dist. | -790 Oct 31 j 22:26 | 0°♁51'43 | 19.91796 AU | desc. node | -783 Aug 27 j 16:25 | 27°♁15'37 | |
| retrograde | -789 Feb 16 j 02:57 | 5°♁04'39 | | | -783 Nov 08 j 09:18 | 0°♁ | |
| opposition | -789 May 03 j 00:05 | 3°♁04'16 | 0°22'34 | | | | |
| min. Earth dist. | -789 May 02 j 18:54 | 3°♁04'49 | 17.95050 AU | conjunction | -783 Nov 30 j 07:04 | 1°♁17'40 | 0°00'-52 |
| direct | -789 Jul 19 j 05:34 | 1°♁02'13 | | minimum elong | -783 Nov 30 j 07:04 | 1°♁17'40 | 0°00'53 |
| | | | | behind sun begin | -783 Nov 30 j 00:32 | 1°♁16'42 | |
| conjunction | -789 Nov 05 j 09:10 | 5°♁17'52 | 0°18'46 | behind sun end | -783 Nov 30 j 13:35 | 1°♁18'37 | |
| minimum elong | -789 Nov 05 j 09:10 | 5°♁17'52 | 0°18'45 | max. Earth dist. | -783 Dec 01 j 01:30 | 1°♁20'25 | 20.40049 AU |
| max. Earth dist. | -789 Nov 05 j 15:58 | 5°♁18'54 | 19.98371 AU | retrograde | -782 Mar 18 j 10:50 | 5°♁25'24 | |
| retrograde | -788 Feb 20 j 18:54 | 9°♁30'29 | | opposition | -782 Jun 03 j 13:55 | 3°♁25'54 | 0°-2'-45 |
| opposition | -788 May 06 j 21:29 | 7°♁30'12 | 0°19'05 | min. Earth dist. | -782 Jun 02 j 18:46 | 3°♁27'50 | 18.43462 AU |
| min. Earth dist. | -788 May 06 j 13:42 | 7°♁31'00 | 18.01695 AU | direct | -782 Aug 19 j 10:01 | 1°♁26'42 | |
| direct | -788 Jul 23 j 03:29 | 5°♁28'30 | | | | | |
| | | | | conjunction | -782 Dec 04 j 16:21 | 5°♁31'36 | 0°-4'-11 |
| conjunction | -788 Nov 08 j 22:44 | 9°♁42'31 | 0°15'36 | minimum elong | -782 Dec 04 j 16:22 | 5°♁31'36 | 0°04'13 |
| minimum elong | -788 Nov 08 j 22:44 | 9°♁42'31 | 0°15'36 | behind sun begin | -782 Dec 04 j 09:55 | 5°♁30'40 | |
| behind sun begin | -788 Nov 08 j 20:48 | 9°♁42'14 | | behind sun end | -782 Dec 04 j 22:48 | 5°♁32'33 | |
| behind sun end | -788 Nov 09 j 00:40 | 9°♁42'49 | | max. Earth dist. | -782 Dec 05 j 12:03 | 5°♁34'33 | 20.46840 AU |
| max. Earth dist. | -788 Nov 09 j 07:05 | 9°♁43'47 | 20.05098 AU | retrograde | -781 Mar 22 j 23:26 | 9°♁38'38 | |
| retrograde | -787 Feb 24 j 10:27 | 13°♁54'17 | | min. Earth dist. | -781 Jun 07 j 10:54 | 7°♁41'13 | 18.50157 AU |
| opposition | -787 May 11 j 18:09 | 11°♁54'04 | 0°15'32 | opposition | -781 Jun 08 j 06:18 | 7°♁39'15 | 0°-6'-23 |
| min. Earth dist. | -787 May 11 j 08:44 | 11°♁55'02 | 18.08513 AU | direct | -781 Aug 23 j 23:05 | 5°♁40'27 | |
| direct | -787 Jul 27 j 21:47 | 9°♁52'45 | | | | | |

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Attention, astronomical year style is used: The year -781 in astronomical counting style is the year 782 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| conjunction | -781 Dec 09 j 01:03 | 9°♌43'58 | 0°-7'-26 | max. Earth dist. | -773 Jan 07 j 03:10 | 8°♌31'43 | 20.89641 AU |
| minimum elong | -781 Dec 09 j 01:02 | 9°♌43'57 | 0°07'27 | retrograde | -773 Apr 25 j 11:13 | 12°♌30'15 | |
| behind sun begin | -781 Dec 08 j 19:04 | 9°♌43'05 | | opposition | -773 Jul 12 j 13:59 | 10°♌31'04 | 0°-31'-56 |
| behind sun end | -781 Dec 09 j 07:01 | 9°♌44'49 | | min. Earth dist. | -773 Jul 11 j 12:26 | 10°♌33'37 | 18.91662 AU |
| max. Earth dist. | -781 Dec 09 j 22:02 | 9°♌47'05 | 20.53406 AU | direct | -773 Sep 26 j 16:15 | 8°♌34'11 | |
| retrograde | -780 Mar 26 j 12:32 | 13°♌50'17 | | | | | |
| opposition | -780 Jun 11 j 21:49 | 11°♌51'01 | 0°-9'-57 | conjunction | -772 Jan 10 j 05:30 | 12°♌28'55 | 0°-30'-3 |
| min. Earth dist. | -780 Jun 11 j 00:16 | 11°♌53'11 | 18.56577 AU | minimum elong | -772 Jan 10 j 05:30 | 12°♌28'55 | 0°30'04 |
| direct | -780 Aug 27 j 14:05 | 9°♌52'34 | | max. Earth dist. | -772 Jan 11 j 08:43 | 12°♌32'52 | 20.93536 AU |
| | | | | retrograde | -772 Apr 28 j 21:37 | 16°♌31'02 | |
| conjunction | -780 Dec 12 j 09:18 | 13°♌54'45 | 0°-10'-36 | opposition | -772 Jul 15 j 23:55 | 14°♌31'52 | 0°-34'-29 |
| minimum elong | -780 Dec 12 j 09:18 | 13°♌54'45 | 0°10'38 | min. Earth dist. | -772 Jul 14 j 20:57 | 14°♌34'34 | 18.95404 AU |
| behind sun begin | -780 Dec 12 j 04:11 | 13°♌54'01 | | direct | -772 Sep 30 j 00:54 | 12°♌35'10 | |
| behind sun end | -780 Dec 12 j 14:25 | 13°♌55'29 | | | | | |
| max. Earth dist. | -780 Dec 13 j 07:17 | 13°♌58'00 | 20.59656 AU | conjunction | -771 Jan 13 j 10:37 | 16°♌29'13 | 0°-32'-17 |
| retrograde | -779 Mar 30 j 23:52 | 18°♌00'25 | | minimum elong | -771 Jan 13 j 10:37 | 16°♌29'13 | 0°32'18 |
| opposition | -779 Jun 16 j 12:39 | 16°♌01'13 | 0°-13'-27 | max. Earth dist. | -771 Jan 14 j 14:35 | 16°♌33'16 | 20.97107 AU |
| min. Earth dist. | -779 Jun 15 j 15:17 | 16°♌03'21 | 18.62667 AU | retrograde | -771 May 03 j 04:37 | 20°♌31'03 | |
| direct | -779 Sep 01 j 02:06 | 14°♌03'04 | | min. Earth dist. | -771 Jul 19 j 07:03 | 18°♌34'33 | 18.98813 AU |
| | | | | opposition | -771 Jul 20 j 09:17 | 18°♌31'56 | 0°-36'-51 |
| conjunction | -779 Dec 16 j 17:04 | 18°♌03'59 | 0°-13'-43 | direct | -771 Oct 04 j 06:58 | 16°♌35'25 | |
| minimum elong | -779 Dec 16 j 17:04 | 18°♌03'59 | 0°13'45 | | | | |
| behind sun begin | -779 Dec 16 j 13:27 | 18°♌03'27 | | conjunction | -770 Jan 17 j 15:35 | 20°♌28'52 | 0°-34'-21 |
| behind sun end | -779 Dec 16 j 20:40 | 18°♌04'30 | | minimum elong | -770 Jan 17 j 15:35 | 20°♌28'52 | 0°34'22 |
| max. Earth dist. | -779 Dec 17 j 15:47 | 18°♌07'20 | 20.65559 AU | max. Earth dist. | -770 Jan 18 j 19:31 | 20°♌32'53 | 21.00344 AU |
| retrograde | -778 Apr 04 j 11:56 | 22°♌08'59 | | retrograde | -770 May 07 j 14:25 | 24°♌30'29 | |
| min. Earth dist. | -778 Jun 20 j 03:26 | 20°♌12'09 | 18.68374 AU | opposition | -770 Jul 24 j 18:11 | 22°♌31'24 | 0°-39'-2 |
| opposition | -778 Jun 21 j 02:37 | 20°♌09'50 | 0°-16'-52 | min. Earth dist. | -770 Jul 23 j 14:58 | 22°♌34'07 | 19.01860 AU |
| direct | -778 Sep 05 j 15:11 | 18°♌11'57 | | direct | -770 Oct 08 j 14:28 | 20°♌35'04 | |
| | | | | | | | |
| conjunction | -778 Dec 21 j 00:10 | 22°♌11'38 | 0°-16'-45 | conjunction | -769 Jan 21 j 20:24 | 24°♌28'00 | 0°-36'-15 |
| minimum elong | -778 Dec 21 j 00:10 | 22°♌11'38 | 0°16'46 | minimum elong | -769 Jan 21 j 20:23 | 24°♌28'00 | 0°36'17 |
| max. Earth dist. | -778 Dec 21 j 23:47 | 22°♌15'07 | 20.71062 AU | max. Earth dist. | -769 Jan 23 j 00:49 | 24°♌32'05 | 21.03181 AU |
| retrograde | -777 Apr 08 j 21:25 | 26°♌16'02 | | retrograde | -769 May 11 j 21:30 | 28°♌29'28 | |
| opposition | -777 Jun 25 j 16:03 | 24°♌16'53 | 0°-20'-9 | min. Earth dist. | -769 Jul 28 j 00:38 | 26°♌33'03 | 19.04491 AU |
| min. Earth dist. | -777 Jun 24 j 17:11 | 24°♌19'11 | 18.73694 AU | opposition | -769 Jul 29 j 02:52 | 26°♌30'26 | 0°-41'-2 |
| direct | -777 Sep 10 j 02:18 | 22°♌19'15 | | direct | -769 Oct 12 j 19:57 | 24°♌34'16 | |
| | | | | | | | |
| conjunction | -777 Dec 25 j 06:52 | 26°♌17'46 | 0°-19'-40 | conjunction | -768 Jan 26 j 01:23 | 28°♌26'46 | 0°-37'-58 |
| minimum elong | -777 Dec 25 j 06:52 | 26°♌17'46 | 0°19'42 | minimum elong | -768 Jan 26 j 01:23 | 28°♌26'46 | 0°37'59 |
| max. Earth dist. | -777 Dec 26 j 07:09 | 26°♌21'20 | 20.76203 AU | max. Earth dist. | -768 Jan 27 j 05:21 | 28°♌30'47 | 21.05599 AU |
| | -776 Mar 13 j 17:05 | 0°♌ | | | -768 Feb 22 j 19:54 | 0°≈ | |
| retrograde | -776 Apr 12 j 08:51 | 0°♌21'35 | | retrograde | -768 May 15 j 06:42 | 2°≈28'09 | |
| | -776 May 12 j 13:40 | 30°♌ | | min. Earth dist. | -768 Jul 31 j 08:15 | 0°≈31'48 | 19.06674 AU |
| min. Earth dist. | -776 Jun 28 j 03:54 | 28°♌24'53 | 18.78659 AU | opposition | -768 Aug 01 j 10:58 | 0°≈29'08 | 0°-42'-50 |
| opposition | -776 Jun 29 j 04:32 | 28°♌22'25 | 0°-23'-19 | | -768 Aug 13 j 17:36 | 30°♌ | |
| direct | -776 Sep 13 j 13:30 | 26°♌24'58 | | direct | -768 Oct 16 j 02:24 | 28°♌33'04 | |
| | -776 Dec 22 j 03:42 | 0°♌ | | | -768 Dec 14 j 19:44 | 0°≈ | |
| | | | | | | | |
| conjunction | -776 Dec 28 j 13:01 | 0°♌22'24 | 0°-22'-28 | conjunction | -767 Jan 29 j 06:31 | 2°≈25'15 | 0°-39'-30 |
| minimum elong | -776 Dec 28 j 13:01 | 0°♌22'24 | 0°22'29 | minimum elong | -767 Jan 29 j 06:31 | 2°≈25'15 | 0°39'33 |
| max. Earth dist. | -776 Dec 29 j 14:18 | 0°♌26'06 | 20.80988 AU | max. Earth dist. | -767 Jan 30 j 10:26 | 2°≈29'15 | 21.07519 AU |
| retrograde | -775 Apr 16 j 17:01 | 4°♌25'43 | | retrograde | -767 May 19 j 14:03 | 6°≈26'35 | |
| opposition | -775 Jul 03 j 16:26 | 2°♌26'32 | 0°-26'-21 | opposition | -767 Aug 05 j 18:53 | 4°≈27'35 | 0°-44'-25 |
| min. Earth dist. | -775 Jul 02 j 16:09 | 2°♌28'57 | 18.83291 AU | min. Earth dist. | -767 Aug 04 j 17:34 | 4°≈30'06 | 19.08333 AU |
| direct | -775 Sep 17 j 22:59 | 0°♌29'16 | | direct | -767 Oct 20 j 07:20 | 2°≈31'36 | |
| | | | | | | | |
| conjunction | -774 Jan 01 j 18:52 | 4°♌25'42 | 0°-25'-8 | conjunction | -766 Feb 02 j 11:45 | 6°≈23'31 | 0°-40'-51 |
| minimum elong | -774 Jan 01 j 18:52 | 4°♌25'42 | 0°25'10 | minimum elong | -766 Feb 02 j 11:45 | 6°≈23'31 | 0°40'53 |
| max. Earth dist. | -774 Jan 02 j 20:42 | 4°♌29'28 | 20.85466 AU | max. Earth dist. | -766 Feb 03 j 14:39 | 6°≈27'22 | 21.08905 AU |
| retrograde | -774 Apr 21 j 03:49 | 8°♌28'32 | | retrograde | -766 May 23 j 22:38 | 10°≈24'50 | |
| min. Earth dist. | -774 Jul 07 j 01:26 | 6°♌31'56 | 18.87623 AU | min. Earth dist. | -766 Aug 09 j 00:57 | 8°≈28'21 | 19.09433 AU |
| opposition | -774 Jul 08 j 03:22 | 6°♌29'20 | 0°-29'-13 | opposition | -766 Aug 10 j 02:20 | 8°≈25'48 | 0°-45'-48 |
| direct | -774 Sep 22 j 08:42 | 4°♌32'15 | | direct | -766 Oct 24 j 13:20 | 6°≈29'51 | |
| | | | | | | | |
| conjunction | -773 Jan 06 j 00:21 | 8°♌27'49 | 0°-27'-40 | conjunction | -765 Feb 06 j 17:10 | 10°≈21'36 | 0°-42'00 |
| minimum elong | -773 Jan 06 j 00:21 | 8°♌27'49 | 0°27'41 | minimum elong | -765 Feb 06 j 17:10 | 10°≈21'36 | 0°42'02 |

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Attention, astronomical year style is used: The year -765 in astronomical counting style is the year 766 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| max. Earth dist. | -765 Feb 07 j 19:39 | 10°≈25'22 | 21.09708 AU | conjunction | -757 Mar 10 j 20:35 | 12°≈06'20 | 0°-43'-39 |
| retrograde | -765 May 28 j 05:46 | 14°≈22'56 | | minimum elong | -757 Mar 10 j 20:35 | 12°≈06'20 | 0°43'40 |
| min. Earth dist. | -765 Aug 13 j 09:53 | 12°≈26'13 | 19.09945 AU | max. Earth dist. | -757 Mar 11 j 15:28 | 12°≈09'01 | 20.98671 AU |
| opposition | -765 Aug 14 j 09:42 | 12°≈23'50 | 0°-46'-57 | retrograde | -757 Jun 29 j 23:18 | 16°≈09'37 | |
| direct | -765 Oct 28 j 17:48 | 10°≈27'52 | | opposition | -757 Sep 15 j 12:19 | 14°≈09'36 | 0°-47'-51 |
| | | | | min. Earth dist. | -757 Sep 14 j 20:24 | 14°≈11'13 | 18.97201 AU |
| conjunction | -764 Feb 10 j 22:40 | 14°≈19'29 | 0°-42'-57 | direct | -757 Nov 29 j 06:58 | 12°≈12'36 | |
| minimum elong | -764 Feb 10 j 22:39 | 14°≈19'29 | 0°42'58 | | | | |
| max. Earth dist. | -764 Feb 11 j 23:53 | 14°≈23'05 | 21.09944 AU | conjunction | -756 Mar 14 j 04:57 | 16°≈06'37 | 0°-42'-54 |
| | -764 Feb 22 j 19:48 | 15°≈ | | minimum elong | -756 Mar 14 j 04:57 | 16°≈06'37 | 0°42'55 |
| retrograde | -764 May 31 j 14:29 | 18°≈20'52 | | max. Earth dist. | -756 Mar 14 j 21:52 | 16°≈09'01 | 20.95593 AU |
| opposition | -764 Aug 17 j 16:39 | 16°≈21'40 | 0°-47'-53 | retrograde | -756 Jul 03 j 10:12 | 20°≈10'25 | |
| min. Earth dist. | -764 Aug 16 j 17:02 | 16°≈24'02 | 19.09892 AU | opposition | -756 Sep 18 j 18:38 | 18°≈10'21 | 0°-46'-54 |
| | -764 Sep 24 j 05:18 | 15°≈ | | min. Earth dist. | -756 Sep 18 j 03:39 | 18°≈11'53 | 18.93933 AU |
| direct | -764 Oct 31 j 23:34 | 14°≈25'37 | | direct | -756 Dec 02 j 12:11 | 16°≈13'12 | |
| | -764 Dec 07 j 17:10 | 15°≈ | | | | | |
| | | | | conjunction | -755 Mar 18 j 14:06 | 20°≈07'58 | 0°-41'-56 |
| conjunction | -763 Feb 14 j 04:25 | 18°≈17'12 | 0°-43'-41 | minimum elong | -755 Mar 18 j 14:07 | 20°≈07'58 | 0°41'58 |
| minimum elong | -763 Feb 14 j 04:25 | 18°≈17'12 | 0°43'42 | max. Earth dist. | -755 Mar 19 j 06:01 | 20°≈10'14 | 20.92127 AU |
| max. Earth dist. | -763 Feb 15 j 05:09 | 18°≈20'43 | 21.09612 AU | retrograde | -755 Jul 07 j 19:12 | 24°≈12'21 | |
| retrograde | -763 Jun 04 j 21:04 | 22°≈18'40 | | opposition | -755 Sep 23 j 01:05 | 22°≈12'13 | 0°-45'-44 |
| opposition | -763 Aug 21 j 23:13 | 20°≈19'21 | 0°-48'-35 | min. Earth dist. | -755 Sep 22 j 12:08 | 22°≈13'33 | 18.90265 AU |
| min. Earth dist. | -763 Aug 21 j 01:18 | 20°≈21'33 | 19.09301 AU | direct | -755 Dec 06 j 16:41 | 20°≈14'56 | |
| direct | -763 Nov 05 j 03:39 | 18°≈23'11 | | | | | |
| | | | | conjunction | -754 Mar 22 j 23:53 | 24°≈10'33 | 0°-40'-46 |
| conjunction | -762 Feb 18 j 10:17 | 22°≈14'49 | 0°-44'-12 | minimum elong | -754 Mar 22 j 23:53 | 24°≈10'33 | 0°40'47 |
| minimum elong | -762 Feb 18 j 10:17 | 22°≈14'49 | 0°44'14 | max. Earth dist. | -754 Mar 23 j 13:19 | 24°≈12'28 | 20.88269 AU |
| max. Earth dist. | -762 Feb 19 j 09:44 | 22°≈18'09 | 21.08791 AU | retrograde | -754 Jul 12 j 07:12 | 28°≈15'33 | |
| retrograde | -762 Jun 09 j 05:59 | 26°≈16'25 | | opposition | -754 Sep 27 j 07:54 | 26°≈15'21 | 0°-44'-20 |
| min. Earth dist. | -762 Aug 25 j 07:57 | 24°≈19'08 | 19.08248 AU | min. Earth dist. | -754 Sep 26 j 20:16 | 26°≈16'33 | 18.86190 AU |
| opposition | -762 Aug 26 j 05:37 | 24°≈16'57 | 0°-49'-2 | direct | -754 Dec 10 j 22:55 | 24°≈17'51 | |
| direct | -762 Nov 09 j 08:54 | 22°≈20'40 | | | | | |
| | | | | conjunction | -753 Mar 27 j 10:23 | 28°≈14'24 | 0°-39'-23 |
| conjunction | -761 Feb 22 j 16:16 | 26°≈12'25 | 0°-44'-31 | minimum elong | -753 Mar 27 j 10:23 | 28°≈14'24 | 0°39'24 |
| minimum elong | -761 Feb 22 j 16:16 | 26°≈12'25 | 0°44'32 | max. Earth dist. | -753 Mar 27 j 22:34 | 28°≈16'08 | 20.83965 AU |
| max. Earth dist. | -761 Feb 23 j 15:23 | 26°≈15'43 | 21.07513 AU | | -753 Apr 28 j 03:20 | 0°≈ | |
| | -761 May 20 j 06:35 | 0°≈ | | retrograde | -753 Jul 16 j 17:18 | 2°≈20'03 | |
| retrograde | -761 Jun 13 j 12:47 | 0°≈14'15 | | opposition | -753 Oct 01 j 15:04 | 0°≈19'46 | 0°-42'-41 |
| | -761 Jul 08 j 03:23 | 30°≈ | | min. Earth dist. | -753 Oct 01 j 05:38 | 0°≈20'45 | 18.81652 AU |
| opposition | -761 Aug 30 j 11:56 | 28°≈14'38 | 0°-49'-16 | | -753 Oct 09 j 15:24 | 30°≈ | |
| min. Earth dist. | -761 Aug 29 j 15:48 | 28°≈16'40 | 19.06765 AU | direct | -753 Dec 15 j 04:06 | 28°≈22'02 | |
| direct | -761 Nov 13 j 13:01 | 26°≈18'12 | | | -752 Feb 16 j 19:01 | 0°≈ | |
| | -760 Feb 23 j 23:04 | 0°≈ | | | | | |
| | | | | conjunction | -752 Mar 30 j 21:45 | 2°≈19'34 | 0°-37'-48 |
| conjunction | -760 Feb 26 j 22:43 | 0°≈10'12 | 0°-44'-37 | minimum elong | -752 Mar 30 j 21:45 | 2°≈19'34 | 0°37'48 |
| minimum elong | -760 Feb 26 j 22:43 | 0°≈10'12 | 0°44'39 | max. Earth dist. | -752 Mar 31 j 06:58 | 2°≈20'53 | 20.79212 AU |
| max. Earth dist. | -760 Feb 27 j 20:28 | 0°≈13'18 | 21.05847 AU | retrograde | -752 Jul 20 j 05:53 | 6°≈25'53 | |
| retrograde | -760 Jun 16 j 21:58 | 4°≈12'17 | | opposition | -752 Oct 04 j 22:24 | 4°≈25'29 | 0°-40'-50 |
| opposition | -760 Sep 02 j 17:56 | 2°≈12'33 | 0°-49'-15 | min. Earth dist. | -752 Oct 04 j 14:39 | 4°≈26'17 | 18.76668 AU |
| min. Earth dist. | -760 Sep 01 j 22:12 | 2°≈14'33 | 19.04911 AU | direct | -752 Dec 18 j 11:41 | 2°≈27'27 | |
| direct | -760 Nov 16 j 17:43 | 0°≈15'58 | | | | | |
| | | | | conjunction | -751 Apr 04 j 09:54 | 6°≈26'02 | 0°-36'00 |
| conjunction | -759 Mar 02 j 05:37 | 4°≈08'19 | 0°-44'-30 | minimum elong | -751 Apr 04 j 09:55 | 6°≈26'02 | 0°36'01 |
| minimum elong | -759 Mar 02 j 05:37 | 4°≈08'19 | 0°44'31 | max. Earth dist. | -751 Apr 04 j 17:41 | 6°≈27'09 | 20.74003 AU |
| max. Earth dist. | -759 Mar 03 j 02:48 | 4°≈11'20 | 21.03801 AU | retrograde | -751 Jul 24 j 16:50 | 10°≈33'02 | |
| retrograde | -759 Jun 21 j 05:25 | 8°≈10'44 | | opposition | -751 Oct 09 j 06:10 | 8°≈32'29 | 0°-38'-45 |
| min. Earth dist. | -759 Sep 06 j 05:54 | 6°≈12'43 | 19.02684 AU | min. Earth dist. | -751 Oct 09 j 00:34 | 8°≈33'04 | 18.71244 AU |
| opposition | -759 Sep 07 j 00:02 | 6°≈10'53 | 0°-49'-1 | direct | -751 Dec 22 j 18:17 | 6°≈34'08 | |
| direct | -759 Nov 20 j 21:57 | 4°≈14'10 | | | | | |
| | | | | conjunction | -750 Apr 08 j 22:28 | 10°≈33'48 | 0°-34'-1 |
| conjunction | -758 Mar 06 j 12:45 | 8°≈06'58 | 0°-44'-11 | minimum elong | -750 Apr 08 j 22:28 | 10°≈33'48 | 0°34'02 |
| minimum elong | -758 Mar 06 j 12:45 | 8°≈06'58 | 0°44'12 | max. Earth dist. | -750 Apr 09 j 03:18 | 10°≈34'29 | 20.68404 AU |
| max. Earth dist. | -758 Mar 07 j 08:20 | 8°≈09'45 | 21.01411 AU | retrograde | -750 Jul 29 j 05:32 | 14°≈41'31 | |
| retrograde | -758 Jun 25 j 15:07 | 12°≈09'47 | | opposition | -750 Oct 13 j 14:15 | 12°≈40'46 | 0°-36'-27 |
| opposition | -758 Sep 11 j 06:06 | 10°≈09'50 | 0°-48'-33 | min. Earth dist. | -750 Oct 13 j 10:20 | 12°≈41'11 | 18.65468 AU |
| min. Earth dist. | -758 Sep 10 j 12:29 | 10°≈11'38 | 19.00119 AU | direct | -750 Dec 27 j 02:41 | 10°≈42'03 | |
| direct | -758 Nov 25 j 02:35 | 8°≈12'58 | | | | | |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 11

Attention, astronomical year style is used: The year -749 in astronomical counting style is the year 750 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|----------------------|-------------|------------------|---------------------|----------------------|-------------|
| conjunction | -749 Apr 13 j 12:01 | 14° Υ 42'53 | 0°-31'-50 | retrograde | -742 Sep 01 j 22:37 | 18° Υ 44'28 | |
| minimum elong | -749 Apr 13 j 12:01 | 14° Υ 42'53 | 0°31'51 | opposition | -742 Nov 15 j 23:47 | 16° Υ 42'39 | 0°-11'-42 |
| max. Earth dist. | -749 Apr 13 j 15:40 | 14° Υ 43'25 | 20.62470 AU | min. Earth dist. | -742 Nov 16 j 09:26 | 16° Υ 41'37 | 18.13808 AU |
| retrograde | -749 Aug 02 j 17:32 | 18° Υ 51'19 | | | -741 Jan 02 j 15:26 | 15° Υ 8 | |
| opposition | -749 Oct 17 j 22:35 | 16° Υ 50'23 | 0°-33'-57 | direct | -741 Jan 29 j 17:34 | 14° Υ 40'57 | |
| min. Earth dist. | -749 Oct 17 j 20:36 | 16° Υ 50'36 | 18.59392 AU | | -741 Feb 25 j 14:31 | 15° Υ 8 | |
| direct | -749 Dec 31 j 11:08 | 14° Υ 51'18 | | | | | |
| | | | | conjunction | -741 May 19 j 05:08 | 18° Υ 53'13 | 0°-8'-55 |
| conjunction | -748 Apr 17 j 02:13 | 18° Υ 53'21 | 0°-29'-29 | minimum elong | -741 May 19 j 05:07 | 18° Υ 53'13 | 0°08'56 |
| minimum elong | -748 Apr 17 j 02:13 | 18° Υ 53'21 | 0°29'30 | behind sun begin | -741 May 18 j 23:22 | 18° Υ 52'23 | |
| max. Earth dist. | -748 Apr 17 j 02:50 | 18° Υ 53'26 | 20.56288 AU | behind sun end | -741 May 18 j 10:53 | 18° Υ 54'03 | |
| retrograde | -748 Aug 06 j 06:21 | 23° Υ 02'32 | | max. Earth dist. | -741 May 18 j 17:06 | 18° Υ 51'26 | 20.10537 AU |
| opposition | -748 Oct 21 j 07:24 | 21° Υ 01'25 | 0°-31'-15 | retrograde | -741 Sep 06 j 16:40 | 23° Υ 08'12 | |
| min. Earth dist. | -748 Oct 21 j 07:09 | 21° Υ 01'26 | 18.53107 AU | opposition | -741 Nov 20 j 12:47 | 21° Υ 06'22 | 0°-7'-59 |
| direct | -747 Jan 03 j 20:02 | 19° Υ 01'55 | | min. Earth dist. | -741 Nov 20 j 23:45 | 21° Υ 05'11 | 18.07228 AU |
| | | | | direct | -740 Feb 03 j 08:18 | 19° Υ 04'19 | |
| conjunction | -747 Apr 21 j 17:16 | 23° Υ 05'16 | 0°-26'-57 | max. Earth dist. | -740 May 22 j 11:00 | 23° Υ 15'54 | 20.03946 AU |
| minimum elong | -747 Apr 21 j 17:16 | 23° Υ 05'16 | 0°26'57 | | | | |
| max. Earth dist. | -747 Apr 21 j 16:54 | 23° Υ 05'13 | 20.49906 AU | conjunction | -740 May 23 j 02:25 | 23° Υ 18'11 | 0°-5'-34 |
| retrograde | -747 Aug 10 j 19:42 | 27° Υ 15'12 | | minimum elong | -740 May 23 j 02:24 | 23° Υ 18'11 | 0°05'34 |
| opposition | -747 Oct 25 j 16:36 | 25° Υ 13'55 | 0°-28'-22 | behind sun begin | -740 May 22 j 19:53 | 23° Υ 17'14 | |
| min. Earth dist. | -747 Oct 25 j 17:58 | 25° Υ 13'46 | 18.46653 AU | behind sun end | -740 May 23 j 08:55 | 23° Υ 19'08 | |
| direct | -746 Jan 08 j 06:20 | 23° Υ 14'02 | | retrograde | -740 Sep 10 j 10:19 | 27° Υ 34'02 | |
| | | | | opposition | -740 Nov 24 j 02:50 | 25° Υ 32'08 | 0°-4'-12 |
| conjunction | -746 Apr 26 j 08:57 | 27° Υ 18'43 | 0°-24'-16 | min. Earth dist. | -740 Nov 24 j 16:13 | 25° Υ 30'42 | 18.00633 AU |
| minimum elong | -746 Apr 26 j 08:57 | 27° Υ 18'43 | 0°24'17 | direct | -739 Feb 06 j 23:10 | 23° Υ 29'43 | |
| max. Earth dist. | -746 Apr 26 j 05:34 | 27° Υ 18'14 | 20.43411 AU | max. Earth dist. | -739 May 27 j 08:05 | 27° Υ 42'44 | 19.97330 AU |
| | -746 Jun 15 j 04:59 | 0° Υ | | | | | |
| retrograde | -746 Aug 15 j 08:51 | 1° Υ 29'28 | | conjunction | -739 May 28 j 00:33 | 27° Υ 45'12 | 0°-2'-7 |
| | -746 Oct 17 j 08:12 | 30° Υ | | minimum elong | -739 May 28 j 00:33 | 27° Υ 45'12 | 0°02'07 |
| opposition | -746 Oct 30 j 02:23 | 29° Υ 28'01 | 0°-25'-20 | behind sun begin | -739 May 27 j 17:45 | 27° Υ 44'12 | |
| min. Earth dist. | -746 Oct 30 j 05:26 | 29° Υ 27'41 | 18.40124 AU | behind sun end | -739 May 28 j 07:20 | 27° Υ 46'11 | |
| direct | -745 Jan 12 j 16:18 | 27° Υ 27'43 | | | -739 Jul 06 j 08:15 | 0° Υ | |
| | -745 Apr 03 j 16:57 | 0° Υ | | retrograde | -739 Sep 15 j 05:58 | 2° Υ 01'51 | |
| conjunction | -745 May 01 j 01:35 | 1° Υ 33'50 | 0°-21'-27 | opposition | -739 Nov 28 j 17:31 | 29° Υ 59'54 | 0°00'-21 |
| minimum elong | -745 May 01 j 01:35 | 1° Υ 33'50 | 0°21'27 | | -739 Nov 28 j 16:32 | 30° Υ | |
| max. Earth dist. | -745 Apr 30 j 21:24 | 1° Υ 33'14 | 20.36848 AU | min. Earth dist. | -739 Nov 29 j 07:57 | 29° Υ 58'20 | 17.94010 AU |
| retrograde | -745 Aug 19 j 23:38 | 5° Υ 45'24 | | asc. node | -738 Jan 03 j 12:14 | 28° Υ 35'55 | |
| opposition | -745 Nov 03 j 12:45 | 3° Υ 43'49 | 0°-22'-8 | direct | -738 Feb 11 j 16:11 | 27° Υ 57'05 | |
| min. Earth dist. | -745 Nov 03 j 17:11 | 3° Υ 43'21 | 18.33538 AU | | -738 Apr 23 j 23:17 | 0° Υ | |
| direct | -744 Jan 17 j 04:01 | 1° Υ 43'10 | | conjunction | -738 Jun 01 j 23:23 | 2° Υ 14'08 | 0°01'27 |
| | | | | minimum elong | -738 Jun 01 j 23:24 | 2° Υ 14'08 | 0°01'27 |
| conjunction | -744 May 04 j 19:03 | 5° Υ 50'44 | 0°-18'-29 | behind sun begin | -738 Jun 01 j 16:37 | 2° Υ 13'09 | |
| minimum elong | -744 May 04 j 19:03 | 5° Υ 50'44 | 0°18'29 | behind sun end | -738 Jun 02 j 06:12 | 2° Υ 15'08 | |
| max. Earth dist. | -744 May 04 j 11:46 | 5° Υ 49'40 | 20.30261 AU | max. Earth dist. | -738 Jun 01 j 03:50 | 2° Υ 11'12 | 19.90710 AU |
| retrograde | -744 Aug 23 j 14:06 | 10° Υ 03'08 | | retrograde | -738 Sep 20 j 00:22 | 6° Υ 31'36 | |
| opposition | -744 Nov 06 j 23:40 | 8° Υ 01'27 | 0°-18'-47 | opposition | -738 Dec 03 j 09:01 | 4° Υ 29'33 | 0°03'30 |
| min. Earth dist. | -744 Nov 07 j 05:58 | 8° Υ 00'47 | 18.26953 AU | min. Earth dist. | -738 Dec 04 j 01:55 | 4° Υ 27'43 | 17.87416 AU |
| direct | -743 Jan 20 j 15:30 | 6° Υ 00'25 | | direct | -737 Feb 16 j 08:34 | 2° Υ 26'19 | |
| | | | | | | | |
| conjunction | -743 May 09 j 13:35 | 10° Υ 09'31 | 0°-15'-24 | conjunction | -737 Jun 06 j 23:08 | 6° Υ 44'57 | 0°04'58 |
| minimum elong | -743 May 09 j 13:35 | 10° Υ 09'31 | 0°15'25 | minimum elong | -737 Jun 06 j 23:09 | 6° Υ 44'57 | 0°04'59 |
| behind sun begin | -743 May 09 j 12:12 | 10° Υ 09'20 | | behind sun begin | -737 Jun 06 j 16:33 | 6° Υ 43'59 | |
| behind sun end | -743 May 09 j 14:58 | 10° Υ 09'43 | | behind sun end | -737 Jun 07 j 05:45 | 6° Υ 45'55 | |
| max. Earth dist. | -743 May 09 j 05:32 | 10° Υ 08'21 | 20.23677 AU | max. Earth dist. | -737 Jun 06 j 02:31 | 6° Υ 41'50 | 19.84143 AU |
| retrograde | -743 Aug 28 j 06:23 | 14° Υ 22'46 | | retrograde | -737 Sep 24 j 21:44 | 11° Υ 03'08 | |
| opposition | -743 Nov 11 j 11:20 | 12° Υ 21'02 | 0°-15'-18 | opposition | -737 Dec 08 j 01:11 | 9° Υ 01'00 | 0°07'23 |
| min. Earth dist. | -743 Nov 11 j 18:52 | 12° Υ 20'14 | 18.20370 AU | min. Earth dist. | -737 Dec 08 j 18:50 | 8° Υ 59'05 | 17.80887 AU |
| direct | -742 Jan 25 j 04:30 | 10° Υ 19'40 | | direct | -736 Feb 21 j 03:49 | 6° Υ 57'22 | |
| | | | | | | | |
| conjunction | -742 May 14 j 08:41 | 14° Υ 30'19 | 0°-12'-13 | conjunction | -736 Jun 10 j 23:29 | 11° Υ 17'31 | 0°08'26 |
| minimum elong | -742 May 14 j 08:41 | 14° Υ 30'19 | 0°12'13 | minimum elong | -736 Jun 10 j 23:29 | 11° Υ 17'31 | 0°08'26 |
| behind sun begin | -742 May 14 j 04:16 | 14° Υ 29'41 | | behind sun begin | -736 Jun 10 j 17:34 | 11° Υ 16'38 | |
| behind sun end | -742 May 14 j 13:07 | 14° Υ 30'58 | | behind sun end | -736 Jun 11 j 05:25 | 11° Υ 18'23 | |
| max. Earth dist. | -742 May 13 j 21:34 | 14° Υ 28'41 | 20.17106 AU | max. Earth dist. | -736 Jun 10 j 00:20 | 11° Υ 14'01 | 19.77670 AU |
| | -742 May 22 j 17:37 | 15° Υ | | retrograde | -736 Sep 28 j 16:43 | 15° Υ 36'25 | |

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Attention, astronomical year style is used: The year -736 in astronomical counting style is the year 737 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|---------------------|-------------|------------------|---------------------|--------------------|-------------|
| opposition | -736 Dec 11 j 18:09 | 13° II 34'11 | 0°11'15 | conjunction | -728 Jul 19 j 19:44 | 18° ☾ 33'40 | 0°33'03 |
| min. Earth dist. | -736 Dec 12 j 14:08 | 13° II 32'01 | 17.74507 AU | minimum elong | -728 Jul 19 j 19:44 | 18° ☾ 33'40 | 0°33'03 |
| direct | -735 Feb 24 j 21:35 | 11° II 30'08 | | max. Earth dist. | -728 Jul 18 j 15:40 | 18° ☾ 29'17 | 19.38297 AU |
| max. Earth dist. | -735 Jun 15 j 00:24 | 15° II 48'07 | 19.71392 AU | retrograde | -728 Nov 05 j 03:28 | 22° ☾ 56'43 | |
| conjunction | -735 Jun 16 j 00:28 | 15° II 51'46 | 0°11'52 | opposition | -727 Jan 17 j 12:17 | 20° ☾ 54'22 | 0°38'09 |
| minimum elong | -735 Jun 16 j 00:28 | 15° II 51'46 | 0°11'53 | min. Earth dist. | -727 Jan 18 j 13:01 | 20° ☾ 51'39 | 17.36900 AU |
| behind sun begin | -735 Jun 15 j 19:51 | 15° II 51'05 | | direct | -727 Apr 03 j 11:47 | 18° ☾ 48'11 | |
| behind sun end | -735 Jun 16 j 05:04 | 15° II 52'27 | | conjunction | -727 Jul 24 j 23:41 | 23° ☾ 19'14 | 0°35'23 |
| retrograde | -735 Oct 03 j 15:22 | 20° II 11'21 | | minimum elong | -727 Jul 24 j 23:40 | 23° ☾ 19'14 | 0°35'25 |
| opposition | -735 Dec 16 j 11:46 | 18° II 09'00 | 0°15'03 | max. Earth dist. | -727 Jul 23 j 18:29 | 23° ☾ 14'40 | 19.35544 AU |
| min. Earth dist. | -735 Dec 17 j 08:00 | 18° II 06'48 | 17.68349 AU | retrograde | -727 Nov 10 j 04:26 | 27° ☾ 42'34 | |
| direct | -734 Mar 01 j 18:25 | 16° II 04'34 | | opposition | -726 Jan 22 j 11:45 | 25° ☾ 40'17 | 0°40'39 |
| max. Earth dist. | -734 Jun 20 j 00:08 | 20° II 23'43 | 19.65364 AU | min. Earth dist. | -726 Jan 23 j 12:02 | 25° ☾ 37'38 | 17.34394 AU |
| conjunction | -734 Jun 21 j 01:49 | 20° II 27'38 | 0°15'15 | direct | -726 Apr 08 j 14:32 | 23° ☾ 33'59 | |
| minimum elong | -734 Jun 21 j 01:48 | 20° II 27'38 | 0°15'16 | max. Earth dist. | -726 Jul 28 j 23:50 | 28° ☾ 01'21 | 19.33258 AU |
| behind sun begin | -734 Jun 21 j 00:05 | 20° II 27'23 | | conjunction | -726 Jul 30 j 03:52 | 28° ☾ 05'44 | 0°37'30 |
| behind sun end | -734 Jun 21 j 03:32 | 20° II 27'53 | | minimum elong | -726 Jul 30 j 03:52 | 28° ☾ 05'44 | 0°37'30 |
| retrograde | -734 Oct 08 j 11:12 | 24° II 47'51 | | | -726 Aug 30 j 10:14 | 0° ♈ | |
| opposition | -734 Dec 21 j 06:15 | 22° II 45'25 | 0°18'47 | retrograde | -726 Nov 15 j 04:45 | 2° ♈ 29'14 | |
| min. Earth dist. | -734 Dec 22 j 04:30 | 22° II 43'00 | 17.62490 AU | opposition | -725 Jan 27 j 12:01 | 0° ♈ 27'01 | 0°42'52 |
| direct | -733 Mar 06 j 13:50 | 20° II 40'35 | | min. Earth dist. | -725 Jan 28 j 12:44 | 0° ♈ 24'19 | 17.32332 AU |
| max. Earth dist. | -733 Jun 25 j 01:17 | 25° II 00'58 | 19.59681 AU | direct | -725 Feb 06 j 21:12 | 30° ♈ | |
| conjunction | -733 Jun 26 j 03:50 | 25° II 05'03 | 0°18'33 | | -725 Apr 13 j 16:34 | 28° ☾ 20'38 | |
| minimum elong | -733 Jun 26 j 03:50 | 25° II 05'03 | 0°18'34 | max. Earth dist. | -725 Jun 15 j 18:06 | 0° ♈ | |
| retrograde | -733 Oct 13 j 10:21 | 29° II 25'51 | | | -725 Aug 03 j 02:56 | 2° ♈ 48'21 | 19.31425 AU |
| opposition | -733 Dec 26 j 01:14 | 27° II 23'21 | 0°22'25 | conjunction | -725 Aug 04 j 07:59 | 2° ♈ 52'55 | 0°39'21 |
| min. Earth dist. | -733 Dec 26 j 23:20 | 27° II 20'56 | 17.57003 AU | minimum elong | -725 Aug 04 j 07:59 | 2° ♈ 52'55 | 0°39'22 |
| direct | -732 Mar 10 j 12:17 | 25° II 18'10 | | retrograde | -725 Nov 20 j 06:00 | 7° ♈ 16'30 | |
| max. Earth dist. | -732 Jun 29 j 03:05 | 29° II 39'45 | 19.54393 AU | opposition | -724 Feb 01 j 12:40 | 5° ♈ 14'20 | 0°44'48 |
| conjunction | -732 Jun 30 j 06:21 | 29° II 43'57 | 0°21'45 | min. Earth dist. | -724 Feb 02 j 13:03 | 5° ♈ 11'40 | 17.30735 AU |
| minimum elong | -732 Jun 30 j 06:21 | 29° II 43'57 | 0°21'46 | direct | -724 Apr 17 j 20:01 | 3° ♈ 07'51 | |
| | -732 Jul 04 j 14:37 | 0° ☾ | | max. Earth dist. | -724 Aug 07 j 08:35 | 7° ♈ 36'12 | 19.30055 AU |
| retrograde | -732 Oct 17 j 06:54 | 4° ☾ 05'18 | | conjunction | -724 Aug 08 j 12:08 | 7° ♈ 40'32 | 0°40'56 |
| opposition | -732 Dec 29 j 21:17 | 2° ☾ 02'45 | 0°25'55 | minimum elong | -724 Aug 08 j 12:07 | 7° ♈ 40'32 | 0°40'56 |
| min. Earth dist. | -732 Dec 30 j 20:56 | 2° ☾ 00'10 | 17.51957 AU | retrograde | -724 Nov 24 j 06:48 | 12° ♈ 04'06 | |
| | -731 Mar 05 j 08:09 | 30° ♈ | | opposition | -723 Feb 05 j 13:57 | 10° ♈ 01'59 | 0°46'24 |
| direct | -731 Mar 15 j 09:25 | 29° II 57'16 | | min. Earth dist. | -723 Feb 06 j 14:01 | 9° ♈ 59'21 | 17.29595 AU |
| | -731 Mar 25 j 12:55 | 0° ☾ | | direct | -723 Apr 22 j 23:03 | 7° ♈ 55'27 | |
| max. Earth dist. | -731 Jul 04 j 04:57 | 4° ☾ 19'57 | 19.49592 AU | max. Earth dist. | -723 Aug 12 j 11:47 | 12° ♈ 23'56 | 19.29160 AU |
| conjunction | -731 Jul 05 j 09:01 | 4° ☾ 24'17 | 0°24'49 | conjunction | -723 Aug 13 j 15:43 | 12° ♈ 28'20 | 0°42'14 |
| minimum elong | -731 Jul 05 j 09:00 | 4° ☾ 24'17 | 0°24'49 | minimum elong | -723 Aug 13 j 15:43 | 12° ♈ 28'20 | 0°42'14 |
| retrograde | -731 Oct 22 j 06:37 | 8° ☾ 46'10 | | | -723 Sep 25 j 02:30 | 15° ♈ | |
| opposition | -730 Jan 03 j 17:53 | 6° ☾ 43'36 | 0°29'16 | retrograde | -723 Nov 29 j 07:30 | 16° ♈ 51'50 | |
| min. Earth dist. | -730 Jan 04 j 16:58 | 6° ☾ 41'05 | 17.47412 AU | | -722 Feb 06 j 16:47 | 15° ♈ | |
| direct | -730 Mar 20 j 09:48 | 4° ☾ 37'53 | | opposition | -722 Feb 10 j 15:30 | 14° ♈ 49'43 | 0°47'41 |
| max. Earth dist. | -730 Jul 09 j 08:27 | 9° ☾ 01'45 | 19.45299 AU | min. Earth dist. | -722 Feb 11 j 15:13 | 14° ♈ 47'08 | 17.28956 AU |
| conjunction | -730 Jul 10 j 12:18 | 9° ☾ 06'04 | 0°27'44 | direct | -722 Apr 28 j 03:06 | 12° ♈ 43'08 | |
| minimum elong | -730 Jul 10 j 12:18 | 9° ☾ 06'04 | 0°27'44 | | -722 Jul 12 j 05:52 | 15° ♈ | |
| retrograde | -730 Oct 27 j 04:05 | 13° ☾ 28'23 | | conjunction | -722 Aug 18 j 19:14 | 17° ♈ 16'05 | 0°43'14 |
| opposition | -729 Jan 08 j 15:16 | 11° ☾ 25'52 | 0°32'26 | minimum elong | -722 Aug 18 j 19:14 | 17° ♈ 16'05 | 0°43'14 |
| min. Earth dist. | -729 Jan 09 j 15:36 | 11° ☾ 23'12 | 17.43392 AU | max. Earth dist. | -722 Aug 17 j 17:01 | 17° ♈ 11'57 | 19.28776 AU |
| direct | -729 Mar 25 j 08:53 | 9° ☾ 19'57 | | retrograde | -722 Dec 04 j 07:52 | 21° ♈ 39'23 | |
| max. Earth dist. | -729 Jul 14 j 10:57 | 13° ☾ 44'44 | 19.41547 AU | opposition | -721 Feb 15 j 17:12 | 19° ♈ 37'19 | 0°48'38 |
| conjunction | -729 Jul 15 j 15:50 | 13° ☾ 49'13 | 0°30'29 | min. Earth dist. | -721 Feb 16 j 15:53 | 19° ♈ 34'51 | 17.28821 AU |
| minimum elong | -729 Jul 15 j 15:50 | 13° ☾ 49'13 | 0°30'30 | direct | -721 May 03 j 07:21 | 17° ♈ 30'44 | |
| retrograde | -729 Nov 01 j 04:23 | 18° ☾ 11'57 | | conjunction | -721 Aug 23 j 22:14 | 22° ♈ 03'34 | 0°43'55 |
| opposition | -728 Jan 13 j 13:19 | 16° ☾ 09'30 | 0°35'24 | minimum elong | -721 Aug 23 j 22:14 | 22° ♈ 03'34 | 0°43'55 |
| min. Earth dist. | -728 Jan 14 j 13:08 | 16° ☾ 06'53 | 17.39899 AU | max. Earth dist. | -721 Aug 22 j 20:24 | 21° ♈ 59'29 | 19.28916 AU |
| direct | -728 Mar 29 j 10:43 | 14° ☾ 03'26 | | retrograde | -721 Dec 09 j 07:41 | 26° ♈ 26'38 | |
| | | | | opposition | -720 Feb 20 j 19:19 | 24° ♈ 24'34 | 0°49'14 |

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Attention, astronomical year style is used: The year -720 in astronomical counting style is the year 721 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------------------|-------------|------------------|---------------------|-----------------------|-------------|
| min. Earth dist. | -720 Feb 21 j 17:33 | 24° <u>Q</u> 22'09 | 17.29249 AU | opposition | -712 Mar 30 j 12:27 | 2° <u>Q</u> 15'17 | 0°42'05 |
| direct | -720 May 07 j 11:32 | 22° <u>Q</u> 17'59 | | min. Earth dist. | -712 Mar 30 j 21:21 | 2° <u>Q</u> 14'21 | 17.54033 AU |
| max. Earth dist. | -720 Aug 27 j 00:44 | 26° <u>Q</u> 46'48 | 19.29637 AU | direct | -712 Jun 15 j 15:49 | 0° <u>Q</u> 10'41 | |
| conjunction | -720 Aug 28 j 00:35 | 26° <u>Q</u> 50'34 | 0°44'18 | conjunction | -712 Oct 04 j 19:52 | 4° <u>Q</u> 36'44 | 0°36'48 |
| minimum elong | -720 Aug 28 j 00:35 | 26° <u>Q</u> 50'34 | 0°44'19 | minimum elong | -712 Oct 04 j 19:52 | 4° <u>Q</u> 36'44 | 0°36'48 |
| | -720 Oct 22 j 08:31 | 0° <u>Q</u> | | max. Earth dist. | -712 Oct 04 j 11:04 | 4° <u>Q</u> 35'22 | 19.56600 AU |
| retrograde | -720 Dec 13 j 07:50 | 1° <u>Q</u> 13'19 | | retrograde | -711 Jan 19 j 20:53 | 8° <u>Q</u> 55'09 | |
| | -719 Feb 05 j 14:21 | 30° <u>R</u> <u>Q</u> | | opposition | -711 Apr 04 j 13:50 | 6° <u>Q</u> 54'12 | 0°39'50 |
| opposition | -719 Feb 24 j 21:32 | 29° <u>Q</u> 11'16 | 0°49'30 | min. Earth dist. | -711 Apr 04 j 20:03 | 6° <u>Q</u> 53'33 | 17.59245 AU |
| min. Earth dist. | -719 Feb 25 j 17:47 | 29° <u>Q</u> 09'05 | 17.30259 AU | direct | -711 Jun 20 j 18:12 | 4° <u>Q</u> 49'58 | |
| direct | -719 May 12 j 16:48 | 27° <u>Q</u> 04'46 | | | | | |
| | -719 Aug 07 j 00:13 | 0° <u>Q</u> | | conjunction | -711 Oct 09 j 16:01 | 9° <u>Q</u> 14'44 | 0°34'41 |
| max. Earth dist. | -719 Sep 01 j 03:58 | 1° <u>Q</u> 33'24 | 19.30958 AU | minimum elong | -711 Oct 09 j 16:01 | 9° <u>Q</u> 14'44 | 0°34'40 |
| | | | | max. Earth dist. | -711 Oct 09 j 10:15 | 9° <u>Q</u> 13'50 | 19.61949 AU |
| conjunction | -719 Sep 02 j 02:23 | 1° <u>Q</u> 36'56 | 0°44'23 | retrograde | -710 Jan 24 j 17:15 | 13° <u>Q</u> 32'21 | |
| minimum elong | -719 Sep 02 j 02:23 | 1° <u>Q</u> 36'56 | 0°44'23 | opposition | -710 Apr 09 j 14:46 | 11° <u>Q</u> 31'33 | 0°37'20 |
| retrograde | -719 Dec 18 j 06:33 | 5° <u>Q</u> 59'19 | | min. Earth dist. | -710 Apr 09 j 19:57 | 11° <u>Q</u> 31'01 | 17.64714 AU |
| opposition | -718 Mar 01 j 23:47 | 3° <u>Q</u> 57'19 | 0°49'25 | direct | -710 Jun 25 j 18:54 | 9° <u>Q</u> 27'41 | |
| min. Earth dist. | -718 Mar 02 j 19:24 | 3° <u>Q</u> 55'12 | 17.31907 AU | | | | |
| direct | -718 May 17 j 20:38 | 1° <u>Q</u> 50'55 | | conjunction | -710 Oct 14 j 11:08 | 13° <u>Q</u> 51'02 | 0°32'20 |
| max. Earth dist. | -718 Sep 06 j 07:00 | 6° <u>Q</u> 19'19 | 19.32933 AU | minimum elong | -710 Oct 14 j 11:09 | 13° <u>Q</u> 51'02 | 0°32'21 |
| | | | | max. Earth dist. | -710 Oct 14 j 06:10 | 13° <u>Q</u> 50'16 | 19.67540 AU |
| conjunction | -718 Sep 07 j 03:35 | 6° <u>Q</u> 22'34 | 0°44'09 | retrograde | -709 Jan 29 j 13:57 | 18° <u>Q</u> 07'52 | |
| minimum elong | -718 Sep 07 j 03:35 | 6° <u>Q</u> 22'34 | 0°44'09 | opposition | -709 Apr 14 j 15:17 | 16° <u>Q</u> 07'10 | 0°34'37 |
| retrograde | -718 Dec 23 j 06:24 | 10° <u>Q</u> 44'31 | | min. Earth dist. | -709 Apr 14 j 18:01 | 16° <u>Q</u> 06'53 | 17.70409 AU |
| opposition | -717 Mar 07 j 02:03 | 8° <u>Q</u> 42'36 | 0°48'59 | direct | -709 Jun 30 j 20:15 | 14° <u>Q</u> 03'39 | |
| min. Earth dist. | -717 Mar 07 j 19:04 | 8° <u>Q</u> 40'46 | 17.34188 AU | | | | |
| direct | -717 May 23 j 01:56 | 6° <u>Q</u> 36'23 | | conjunction | -709 Oct 19 j 05:25 | 18° <u>Q</u> 25'32 | 0°29'49 |
| max. Earth dist. | -717 Sep 11 j 09:46 | 11° <u>Q</u> 04'30 | 19.35534 AU | minimum elong | -709 Oct 19 j 05:25 | 18° <u>Q</u> 25'32 | 0°29'49 |
| | | | | max. Earth dist. | -709 Oct 19 j 03:34 | 18° <u>Q</u> 25'15 | 19.73332 AU |
| conjunction | -717 Sep 12 j 04:09 | 11° <u>Q</u> 07'24 | 0°43'38 | retrograde | -708 Feb 03 j 09:01 | 22° <u>Q</u> 41'32 | |
| minimum elong | -717 Sep 12 j 04:09 | 11° <u>Q</u> 07'24 | 0°43'38 | opposition | -708 Apr 18 j 15:22 | 20° <u>Q</u> 40'55 | 0°31'42 |
| retrograde | -717 Dec 28 j 04:27 | 15° <u>Q</u> 28'52 | | min. Earth dist. | -708 Apr 18 j 16:34 | 20° <u>Q</u> 40'47 | 17.76285 AU |
| opposition | -716 Mar 11 j 04:27 | 13° <u>Q</u> 27'06 | 0°48'14 | direct | -708 Jul 04 j 21:06 | 18° <u>Q</u> 37'44 | |
| min. Earth dist. | -716 Mar 11 j 20:39 | 13° <u>Q</u> 25'21 | 17.37104 AU | | | | |
| direct | -716 May 27 j 05:09 | 11° <u>Q</u> 21'08 | | conjunction | -708 Oct 22 j 22:38 | 22° <u>Q</u> 58'05 | 0°27'07 |
| max. Earth dist. | -716 Sep 15 j 11:13 | 15° <u>Q</u> 48'44 | 19.38768 AU | minimum elong | -708 Oct 22 j 22:38 | 22° <u>Q</u> 58'05 | 0°27'07 |
| | | | | max. Earth dist. | -708 Oct 22 j 21:48 | 22° <u>Q</u> 57'57 | 19.79310 AU |
| conjunction | -716 Sep 16 j 03:58 | 15° <u>Q</u> 51'22 | 0°42'48 | retrograde | -707 Feb 07 j 03:18 | 27° <u>Q</u> 13'13 | |
| minimum elong | -716 Sep 16 j 03:58 | 15° <u>Q</u> 51'22 | 0°42'48 | opposition | -707 Apr 23 j 14:40 | 25° <u>Q</u> 12'38 | 0°28'35 |
| retrograde | -715 Jan 01 j 04:11 | 20° <u>Q</u> 12'20 | | min. Earth dist. | -707 Apr 23 j 13:38 | 25° <u>Q</u> 12'45 | 17.82360 AU |
| opposition | -715 Mar 16 j 06:38 | 18° <u>Q</u> 10'43 | 0°47'09 | direct | -707 Jul 09 j 20:39 | 23° <u>Q</u> 09'47 | |
| min. Earth dist. | -715 Mar 16 j 19:57 | 18° <u>Q</u> 09'17 | 17.40617 AU | | | | |
| direct | -715 Jun 01 j 09:46 | 16° <u>Q</u> 05'03 | | conjunction | -707 Oct 27 j 14:59 | 27° <u>Q</u> 28'33 | 0°24'16 |
| | | | | minimum elong | -707 Oct 27 j 14:59 | 27° <u>Q</u> 28'33 | 0°24'16 |
| conjunction | -715 Sep 21 j 03:05 | 20° <u>Q</u> 34'25 | 0°41'42 | max. Earth dist. | -707 Oct 27 j 17:20 | 27° <u>Q</u> 28'55 | 19.85476 AU |
| minimum elong | -715 Sep 21 j 03:05 | 20° <u>Q</u> 34'25 | 0°41'43 | | | | |
| max. Earth dist. | -715 Sep 20 j 13:05 | 20° <u>Q</u> 32'13 | 19.42556 AU | retrograde | -706 Feb 11 j 21:03 | 1° <u>M</u> 42'47 | |
| retrograde | -714 Jan 06 j 01:42 | 24° <u>Q</u> 54'49 | | | | | |
| opposition | -714 Mar 21 j 08:49 | 22° <u>Q</u> 53'23 | 0°45'45 | opposition | -706 Apr 21 j 09:52 | 30° <u>R</u> <u>Q</u> | |
| min. Earth dist. | -714 Mar 21 j 21:23 | 22° <u>Q</u> 52'03 | 17.44656 AU | | | | |
| direct | -714 Jun 06 j 11:33 | 20° <u>Q</u> 48'03 | | opposition | -706 Apr 28 j 13:19 | 29° <u>Q</u> 42'17 | 0°25'20 |
| | | | | min. Earth dist. | -706 Apr 28 j 10:18 | 29° <u>Q</u> 42'35 | 17.88608 AU |
| conjunction | -714 Sep 26 j 01:26 | 25° <u>Q</u> 16'26 | 0°40'20 | direct | -706 Jul 14 j 20:10 | 27° <u>Q</u> 39'46 | |
| minimum elong | -714 Sep 26 j 01:26 | 25° <u>Q</u> 16'26 | 0°40'20 | | | | |
| max. Earth dist. | -714 Sep 25 j 12:39 | 25° <u>Q</u> 14'25 | 19.46841 AU | | | | |
| retrograde | -713 Jan 11 j 01:11 | 29° <u>Q</u> 36'12 | | conjunction | -706 Sep 29 j 11:28 | 0° <u>M</u> | |
| opposition | -713 Mar 26 j 10:35 | 27° <u>Q</u> 34'57 | 0°44'04 | conjunction | -706 Nov 01 j 06:12 | 1° <u>M</u> 56'55 | 0°21'18 |
| min. Earth dist. | -713 Mar 26 j 20:23 | 27° <u>Q</u> 33'55 | 17.49152 AU | minimum elong | -706 Nov 01 j 06:12 | 1° <u>M</u> 56'55 | 0°21'16 |
| direct | -713 Jun 11 j 14:55 | 25° <u>Q</u> 29'59 | | max. Earth dist. | -706 Nov 01 j 09:50 | 1° <u>M</u> 57'28 | 19.91825 AU |
| | | | | retrograde | -705 Feb 16 j 13:20 | 6° <u>M</u> 10'16 | |
| conjunction | -713 Sep 30 j 23:13 | 29° <u>Q</u> 57'16 | 0°38'41 | opposition | -705 May 03 j 11:15 | 4° <u>M</u> 09'48 | 0°21'58 |
| minimum elong | -713 Sep 30 j 23:13 | 29° <u>Q</u> 57'16 | 0°38'41 | min. Earth dist. | -705 May 03 j 06:08 | 4° <u>M</u> 10'20 | 17.95066 AU |
| max. Earth dist. | -713 Sep 30 j 13:24 | 29° <u>Q</u> 55'43 | 19.51540 AU | direct | -705 Jul 19 j 17:15 | 2° <u>M</u> 07'38 | |
| | -713 Oct 01 j 16:38 | 0° <u>Q</u> | | | | | |
| retrograde | -712 Jan 15 j 22:25 | 4° <u>Q</u> 16'22 | | conjunction | -705 Nov 05 j 20:42 | 6° <u>M</u> 23'11 | 0°18'13 |
| | | | | minimum elong | -705 Nov 05 j 20:42 | 6° <u>M</u> 23'11 | 0°18'13 |
| | | | | max. Earth dist. | -705 Nov 06 j 03:32 | 6° <u>M</u> 24'13 | 19.98386 AU |
| | | | | retrograde | -704 Feb 21 j 05:58 | 10° <u>M</u> 35'39 | |

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Attention, astronomical year style is used: The year -704 in astronomical counting style is the year 705 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|------------|-------------|------------------|---------------------|------------|-------------|
| opposition | -704 May 07 j 08:32 | 8°M.35'17 | 0°18'29 | direct | -698 Aug 19 j 21:30 | 2°Z.31'09 | |
| min. Earth dist. | -704 May 07 j 00:53 | 8°M.36'04 | 18.01722 AU | | | | |
| direct | -704 Jul 23 j 14:43 | 6°M.33'30 | | conjunction | -698 Dec 05 j 03:58 | 6°Z.36'08 | 0°-4'-43 |
| | | | | minimum elong | -698 Dec 05 j 03:57 | 6°Z.36'08 | 0°04'44 |
| conjunction | -704 Nov 09 j 10:06 | 10°M.47'26 | 0°15'04 | behind sun begin | -698 Dec 04 j 21:34 | 6°Z.35'13 | |
| minimum elong | -704 Nov 09 j 10:06 | 10°M.47'26 | 0°15'03 | behind sun end | -698 Dec 05 j 10:21 | 6°Z.37'04 | |
| behind sun begin | -704 Nov 09 j 07:31 | 10°M.47'03 | | max. Earth dist. | -698 Dec 05 j 23:03 | 6°Z.38'59 | 20.46664 AU |
| behind sun end | -704 Nov 09 j 12:41 | 10°M.47'49 | | retrograde | -697 Mar 23 j 10:09 | 10°Z.43'12 | |
| max. Earth dist. | -704 Nov 09 j 18:24 | 10°M.48'41 | 20.05139 AU | opposition | -697 Jun 08 j 17:22 | 8°Z.43'51 | 0°-6'-58 |
| retrograde | -703 Feb 24 j 21:20 | 14°M.59'04 | | min. Earth dist. | -697 Jun 07 j 22:21 | 8°Z.45'46 | 18.49914 AU |
| opposition | -703 May 12 j 05:06 | 12°M.58'48 | 0°14'56 | direct | -697 Aug 24 j 10:26 | 6°Z.45'02 | |
| min. Earth dist. | -703 May 11 j 19:39 | 12°M.59'46 | 18.08570 AU | | | | |
| direct | -703 Jul 28 j 09:19 | 10°M.57'25 | | conjunction | -697 Dec 09 j 12:50 | 10°Z.48'40 | 0°-7'-56 |
| | -703 Nov 11 j 06:48 | 15°M. | | minimum elong | -697 Dec 09 j 12:50 | 10°Z.48'40 | 0°07'58 |
| | | | | behind sun begin | -697 Dec 09 j 06:58 | 10°Z.47'49 | |
| conjunction | -703 Nov 13 j 22:56 | 15°M.09'47 | 0°11'51 | behind sun end | -697 Dec 09 j 18:42 | 10°Z.49'31 | |
| minimum elong | -703 Nov 13 j 22:56 | 15°M.09'47 | 0°11'51 | max. Earth dist. | -697 Dec 10 j 09:21 | 10°Z.51'43 | 20.53087 AU |
| behind sun begin | -703 Nov 13 j 18:18 | 15°M.09'06 | | retrograde | -696 Mar 27 j 00:01 | 14°Z.55'02 | |
| behind sun end | -703 Nov 14 j 03:35 | 15°M.10'28 | | min. Earth dist. | -696 Jun 11 j 11:49 | 12°Z.57'54 | 18.56184 AU |
| max. Earth dist. | -703 Nov 14 j 10:04 | 15°M.11'28 | 20.12059 AU | opposition | -696 Jun 12 j 08:53 | 12°Z.55'47 | 0°-10'-31 |
| retrograde | -702 Mar 01 j 12:58 | 19°M.20'34 | | direct | -696 Aug 28 j 01:17 | 10°Z.57'18 | |
| opposition | -702 May 17 j 00:42 | 17°M.20'28 | 0°11'18 | | | | |
| min. Earth dist. | -702 May 16 j 12:43 | 17°M.21'41 | 18.15536 AU | conjunction | -696 Dec 12 j 21:04 | 14°Z.59'37 | 0°-11'-6 |
| direct | -702 Aug 02 j 04:33 | 15°M.19'32 | | minimum elong | -696 Dec 12 j 21:04 | 14°Z.59'37 | 0°11'08 |
| | | | | behind sun begin | -696 Dec 12 j 16:09 | 14°Z.58'54 | |
| conjunction | -702 Nov 18 j 10:52 | 19°M.30'21 | 0°08'35 | behind sun end | -696 Dec 13 j 02:00 | 15°Z.00'19 | |
| minimum elong | -702 Nov 18 j 10:52 | 19°M.30'21 | 0°08'35 | max. Earth dist. | -696 Dec 13 j 18:24 | 15°Z.02'46 | 20.59187 AU |
| behind sun begin | -702 Nov 18 j 05:08 | 19°M.29'30 | | retrograde | -695 Mar 31 j 10:41 | 19°Z.05'20 | |
| behind sun end | -702 Nov 18 j 16:36 | 19°M.31'12 | | opposition | -695 Jun 16 j 23:48 | 17°Z.06'08 | 0°-14'00 |
| max. Earth dist. | -702 Nov 18 j 23:22 | 19°M.32'14 | 20.19069 AU | min. Earth dist. | -695 Jun 16 j 02:51 | 17°Z.08'14 | 18.62125 AU |
| retrograde | -701 Mar 06 j 03:27 | 23°M.40'21 | | direct | -695 Sep 01 j 12:42 | 15°Z.07'57 | |
| opposition | -701 May 21 j 19:55 | 21°M.40'23 | 0°07'39 | | | | |
| min. Earth dist. | -701 May 21 j 06:36 | 21°M.41'45 | 18.22580 AU | conjunction | -695 Dec 17 j 04:49 | 19°Z.08'59 | 0°-14'-12 |
| direct | -701 Aug 06 j 21:12 | 19°M.39'54 | | minimum elong | -695 Dec 17 j 04:49 | 19°Z.08'59 | 0°14'13 |
| | | | | behind sun begin | -695 Dec 17 j 01:32 | 19°Z.08'30 | |
| conjunction | -701 Nov 22 j 22:04 | 23°M.49'12 | 0°05'18 | behind sun end | -695 Dec 17 j 08:06 | 19°Z.09'27 | |
| minimum elong | -701 Nov 22 j 22:04 | 23°M.49'12 | 0°05'18 | max. Earth dist. | -695 Dec 18 j 03:12 | 19°Z.12'17 | 20.64957 AU |
| behind sun begin | -701 Nov 22 j 15:45 | 23°M.48'16 | | retrograde | -694 Apr 04 j 23:08 | 23°Z.14'02 | |
| behind sun end | -701 Nov 23 j 04:24 | 23°M.50'08 | | opposition | -694 Jun 21 j 13:40 | 21°Z.14'52 | 0°-17'-23 |
| max. Earth dist. | -701 Nov 23 j 13:04 | 23°M.51'28 | 20.26118 AU | min. Earth dist. | -694 Jun 20 j 14:51 | 21°Z.17'10 | 18.67721 AU |
| retrograde | -700 Mar 09 j 18:27 | 27°M.58'26 | | direct | -694 Sep 06 j 02:35 | 19°Z.16'56 | |
| opposition | -700 May 25 j 14:21 | 25°M.58'39 | 0°03'59 | | | | |
| min. Earth dist. | -700 May 24 j 22:31 | 26°M.00'15 | 18.29609 AU | conjunction | -694 Dec 21 j 11:56 | 23°Z.16'45 | 0°-17'-12 |
| direct | -700 Aug 10 j 14:47 | 23°M.58'36 | | minimum elong | -694 Dec 21 j 11:56 | 23°Z.16'45 | 0°17'14 |
| | | | | max. Earth dist. | -694 Dec 22 j 11:13 | 23°Z.20'10 | 20.70384 AU |
| conjunction | -700 Nov 26 j 08:39 | 28°M.06'26 | 0°01'59 | retrograde | -693 Apr 09 j 08:55 | 27°Z.21'12 | |
| minimum elong | -700 Nov 26 j 08:38 | 28°M.06'26 | 0°01'59 | min. Earth dist. | -693 Jun 25 j 04:28 | 25°Z.24'17 | 18.73004 AU |
| behind sun begin | -700 Nov 26 j 02:06 | 28°M.05'28 | | opposition | -693 Jun 26 j 03:07 | 25°Z.22'01 | 0°-20'-39 |
| behind sun end | -700 Nov 26 j 15:10 | 28°M.07'23 | | direct | -693 Sep 10 j 12:28 | 23°Z.24'19 | |
| max. Earth dist. | -700 Nov 27 j 00:51 | 28°M.08'52 | 20.33112 AU | | | | |
| | -700 Dec 28 j 22:03 | 0°Z. | | conjunction | -693 Dec 25 j 18:29 | 27°Z.22'57 | 0°-20'-6 |
| retrograde | -699 Mar 14 j 07:47 | 2°Z.14'55 | | minimum elong | -693 Dec 25 j 18:29 | 27°Z.22'57 | 0°20'07 |
| opposition | -699 May 30 j 08:02 | 0°Z.15'17 | 0°00'18 | max. Earth dist. | -693 Dec 26 j 18:52 | 27°Z.26'31 | 20.75520 AU |
| min. Earth dist. | -699 May 29 j 15:30 | 0°Z.16'58 | 18.36566 AU | | | | |
| | -699 Jun 05 j 15:11 | 30°R.M. | | retrograde | -692 Apr 12 j 19:51 | 1°Z.26'50 | |
| desc. node | -699 Jun 29 j 08:46 | 29°M.06'40 | | | | | |
| direct | -699 Aug 15 j 05:22 | 28°M.15'41 | | opposition | -692 Jun 29 j 15:37 | 29°Z.27'38 | 0°-23'-47 |
| | -699 Oct 19 j 19:26 | 0°Z. | | min. Earth dist. | -692 Jun 28 j 15:02 | 29°Z.30'06 | 18.77997 AU |
| | | | | direct | -692 Sep 14 j 01:04 | 27°Z.30'09 | |
| conjunction | -699 Nov 30 j 18:39 | 2°Z.22'04 | 0°-1'-25 | | | | |
| minimum elong | -699 Nov 30 j 18:40 | 2°Z.22'04 | 0°01'27 | | | | |
| behind sun begin | -699 Nov 30 j 12:08 | 2°Z.21'07 | | conjunction | -692 Dec 29 j 00:41 | 1°Z.27'42 | 0°-22'-52 |
| behind sun end | -699 Dec 01 j 01:12 | 2°Z.23'01 | | minimum elong | -692 Dec 29 j 00:41 | 1°Z.27'42 | 0°22'54 |
| max. Earth dist. | -699 Dec 01 j 12:46 | 2°Z.24'47 | 20.39994 AU | max. Earth dist. | -692 Dec 30 j 01:59 | 1°Z.31'24 | 20.80364 AU |
| retrograde | -698 Mar 18 j 22:08 | 6°Z.29'49 | | retrograde | -691 Apr 17 j 04:58 | 5°Z.31'03 | |
| min. Earth dist. | -698 Jun 03 j 06:12 | 4°Z.32'15 | 18.43353 AU | min. Earth dist. | -691 Jul 03 j 03:07 | 3°Z.34'18 | 18.82722 AU |
| opposition | -698 Jun 04 j 00:57 | 4°Z.30'21 | 0°-3'-21 | opposition | -691 Jul 04 j 03:23 | 3°Z.31'52 | 0°-26'-47 |

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Attention, astronomical year style is used: The year -691 in astronomical counting style is the year 692 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| direct | -691 Sep 18 j 09:33 | 1°♁34'34 | | direct | -683 Oct 20 j 19:07 | 3°♁38'28 | |
| conjunction | -690 Jan 02 j 06:32 | 5°♁31'08 | 0°-25'-31 | conjunction | -682 Feb 03 j 00:13 | 7°♁30'26 | 0°-41'-1 |
| minimum elong | -690 Jan 02 j 06:32 | 5°♁31'08 | 0°25'32 | minimum elong | -682 Feb 03 j 00:13 | 7°♁30'26 | 0°41'02 |
| max. Earth dist. | -690 Jan 03 j 08:38 | 5°♁34'56 | 20.84956 AU | max. Earth dist. | -682 Feb 04 j 02:47 | 7°♁34'14 | 21.08578 AU |
| retrograde | -690 Apr 21 j 14:52 | 9°♁34'01 | | retrograde | -682 May 24 j 11:34 | 11°♁31'45 | |
| opposition | -690 Jul 08 j 14:29 | 7°♁34'51 | 0°-29'-37 | opposition | -682 Aug 10 j 14:25 | 9°♁32'43 | 0°-45'-57 |
| min. Earth dist. | -690 Jul 07 j 12:24 | 7°♁37'27 | 18.87178 AU | min. Earth dist. | -682 Aug 09 j 13:21 | 9°♁35'13 | 19.09034 AU |
| direct | -690 Sep 22 j 19:57 | 5°♁37'46 | | direct | -682 Oct 25 j 01:29 | 7°♁36'43 | |
| conjunction | -689 Jan 06 j 11:54 | 9°♁33'26 | 0°-28'-1 | conjunction | -681 Feb 07 j 05:31 | 11°♁28'30 | 0°-42'-8 |
| minimum elong | -689 Jan 06 j 11:54 | 9°♁33'26 | 0°28'03 | minimum elong | -681 Feb 07 j 05:31 | 11°♁28'30 | 0°42'09 |
| max. Earth dist. | -689 Jan 07 j 14:49 | 9°♁37'21 | 20.89261 AU | max. Earth dist. | -681 Feb 08 j 07:35 | 11°♁32'13 | 21.09246 AU |
| retrograde | -689 Apr 25 j 23:14 | 13°♁35'56 | | retrograde | -681 Apr 23 j 09:09 | 15°♁ | |
| min. Earth dist. | -689 Jul 11 j 23:32 | 11°♁39'21 | 18.91348 AU | retrograde | -681 May 28 j 17:56 | 15°♁29'51 | |
| opposition | -689 Jul 13 j 01:13 | 11°♁36'46 | 0°-32'-18 | opposition | -681 Jul 03 j 20:20 | 15°♁ | |
| direct | -689 Sep 27 j 03:35 | 9°♁39'54 | | opposition | -681 Aug 14 j 21:51 | 13°♁30'42 | 0°-47'-4 |
| conjunction | -688 Jan 10 j 17:13 | 13°♁34'46 | 0°-30'-22 | min. Earth dist. | -681 Aug 13 j 22:28 | 13°♁33'03 | 19.09421 AU |
| minimum elong | -688 Jan 10 j 17:13 | 13°♁34'46 | 0°30'24 | direct | -681 Oct 29 j 06:16 | 11°♁34'41 | |
| max. Earth dist. | -688 Jan 11 j 20:39 | 13°♁38'44 | 20.93284 AU | direct | -680 Feb 03 j 18:24 | 15°♁ | |
| retrograde | -688 Apr 29 j 08:50 | 17°♁36'56 | | conjunction | -680 Feb 11 j 11:06 | 15°♁26'20 | 0°-43'-2 |
| min. Earth dist. | -688 Jul 15 j 08:01 | 15°♁40'31 | 18.95207 AU | minimum elong | -680 Feb 11 j 11:06 | 15°♁26'20 | 0°43'03 |
| opposition | -688 Jul 16 j 11:08 | 15°♁37'48 | 0°-34'-50 | max. Earth dist. | -680 Feb 12 j 12:12 | 15°♁29'55 | 21.09375 AU |
| direct | -688 Sep 30 j 11:57 | 13°♁41'08 | | retrograde | -680 Jun 01 j 02:59 | 19°♁27'44 | |
| conjunction | -687 Jan 13 j 22:20 | 17°♁35'17 | 0°-32'-35 | min. Earth dist. | -680 Aug 17 j 05:18 | 17°♁30'50 | 19.09290 AU |
| minimum elong | -687 Jan 13 j 22:20 | 17°♁35'17 | 0°32'36 | opposition | -680 Aug 18 j 04:40 | 17°♁28'29 | 0°-47'-57 |
| max. Earth dist. | -687 Jan 15 j 02:15 | 17°♁39'19 | 20.96958 AU | direct | -680 Nov 01 j 12:05 | 15°♁32'22 | |
| retrograde | -687 May 03 j 16:33 | 21°♁37'10 | | conjunction | -679 Feb 14 j 16:46 | 19°♁24'00 | 0°-43'-44 |
| opposition | -687 Jul 20 j 20:44 | 19°♁38'06 | 0°-37'-10 | minimum elong | -679 Feb 14 j 16:46 | 19°♁24'00 | 0°43'45 |
| min. Earth dist. | -687 Jul 19 j 18:26 | 19°♁40'44 | 18.98700 AU | max. Earth dist. | -679 Feb 15 j 17:20 | 19°♁27'30 | 21.08992 AU |
| direct | -687 Oct 04 j 18:31 | 17°♁41'38 | | retrograde | -679 Jun 05 j 09:29 | 23°♁25'31 | |
| conjunction | -686 Jan 18 j 03:22 | 21°♁35'10 | 0°-34'-37 | opposition | -679 Aug 22 j 11:24 | 21°♁26'08 | 0°-48'-36 |
| minimum elong | -686 Jan 18 j 03:22 | 21°♁35'10 | 0°34'39 | min. Earth dist. | -679 Aug 21 j 13:39 | 21°♁28'20 | 19.08676 AU |
| max. Earth dist. | -686 Jan 19 j 07:22 | 21°♁39'12 | 21.00255 AU | direct | -679 Nov 05 j 16:22 | 19°♁29'57 | |
| retrograde | -686 May 08 j 02:06 | 25°♁36'50 | | conjunction | -678 Feb 18 j 22:32 | 23°♁21'38 | 0°-44'-13 |
| min. Earth dist. | -686 Jul 24 j 02:27 | 23°♁40'32 | 19.01785 AU | minimum elong | -678 Feb 18 j 22:32 | 23°♁21'38 | 0°44'14 |
| opposition | -686 Jul 25 j 05:44 | 23°♁37'48 | 0°-39'-20 | max. Earth dist. | -678 Feb 19 j 22:08 | 23°♁24'59 | 21.08170 AU |
| direct | -686 Oct 09 j 01:49 | 21°♁41'30 | | retrograde | -678 Jun 09 j 18:09 | 27°♁23'19 | |
| conjunction | -685 Jan 22 j 08:26 | 25°♁34'31 | 0°-36'-30 | opposition | -678 Aug 26 j 17:49 | 25°♁23'49 | 0°-49'-1 |
| minimum elong | -685 Jan 22 j 08:25 | 25°♁34'31 | 0°36'31 | min. Earth dist. | -678 Aug 25 j 20:02 | 25°♁26'01 | 19.07647 AU |
| max. Earth dist. | -685 Jan 23 j 12:36 | 25°♁38'34 | 21.03110 AU | direct | -678 Nov 09 j 21:48 | 23°♁27'30 | |
| retrograde | -685 May 12 j 09:23 | 29°♁36'02 | | conjunction | -677 Feb 23 j 04:41 | 27°♁19'22 | 0°-44'-29 |
| opposition | -685 Jul 29 j 14:33 | 27°♁37'03 | 0°-41'-18 | minimum elong | -677 Feb 23 j 04:41 | 27°♁19'22 | 0°44'31 |
| min. Earth dist. | -685 Jul 28 j 12:29 | 27°♁39'39 | 19.04411 AU | max. Earth dist. | -677 Feb 24 j 03:45 | 27°♁22'39 | 21.06937 AU |
| direct | -685 Oct 13 j 07:24 | 25°♁40'54 | | retrograde | -677 Apr 15 j 13:04 | 0°♁ | |
| conjunction | -684 Jan 26 j 13:32 | 29°♁33'28 | 0°-38'-11 | retrograde | -677 Jun 14 j 01:11 | 1°♁21'17 | |
| minimum elong | -684 Jan 26 j 13:32 | 29°♁33'28 | 0°38'13 | retrograde | -677 Aug 14 j 21:57 | 30°♁ | |
| max. Earth dist. | -684 Jan 27 j 17:20 | 29°♁37'28 | 21.05492 AU | min. Earth dist. | -677 Aug 30 j 03:57 | 29°♁23'43 | 19.06228 AU |
| retrograde | -684 Feb 03 j 06:31 | 0°♁ | | opposition | -677 Aug 31 j 00:10 | 29°♁21'40 | 0°-49'-12 |
| retrograde | -684 May 15 j 19:16 | 3°♁34'53 | | direct | -677 Nov 14 j 01:26 | 27°♁25'15 | |
| opposition | -684 Aug 01 j 22:51 | 1°♁35'55 | 0°-43'-4 | direct | -676 Feb 04 j 10:16 | 0°♁ | |
| min. Earth dist. | -684 Jul 31 j 20:19 | 1°♁38'34 | 19.06526 AU | conjunction | -676 Feb 27 j 11:10 | 1°♁17'23 | 0°-44'-33 |
| direct | -684 Sep 17 j 22:08 | 30°♁ | | minimum elong | -676 Feb 27 j 11:10 | 1°♁17'23 | 0°44'34 |
| direct | -684 Oct 16 j 14:09 | 29°♁39'51 | | max. Earth dist. | -676 Feb 28 j 09:03 | 1°♁20'29 | 21.05346 AU |
| conjunction | -683 Jan 29 j 18:51 | 3°♁32'06 | 0°-39'-42 | retrograde | -676 Jun 17 j 10:24 | 5°♁19'36 | |
| minimum elong | -683 Jan 29 j 18:51 | 3°♁32'06 | 0°39'43 | min. Earth dist. | -676 Sep 02 j 10:18 | 3°♁21'54 | 19.04450 AU |
| max. Earth dist. | -683 Jan 30 j 22:16 | 3°♁36'01 | 21.07317 AU | opposition | -676 Sep 03 j 06:20 | 3°♁19'53 | 0°-49'-10 |
| retrograde | -683 May 20 j 01:56 | 7°♁33'27 | | direct | -676 Nov 17 j 06:39 | 1°♁23'20 | |
| min. Earth dist. | -683 Aug 05 j 05:53 | 5°♁36'57 | 19.08070 AU | conjunction | -675 Mar 02 j 18:05 | 5°♁15'50 | 0°-44'-24 |
| opposition | -683 Aug 06 j 06:47 | 5°♁34'27 | 0°-44'-37 | minimum elong | -675 Mar 02 j 18:05 | 5°♁15'50 | 0°44'25 |
| | | | | max. Earth dist. | -675 Mar 03 j 15:15 | 5°♁18'51 | 21.03380 AU |

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Attention, astronomical year style is used: The year -675 in astronomical counting style is the year 676 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| retrograde | -675 Jun 21 j 17:49 | 9°♃18'24 | | retrograde | -667 Jul 25 j 05:15 | 11°♃42'58 | |
| opposition | -675 Sep 07 j 12:28 | 7°♃18'36 | 0°-48'-53 | opposition | -667 Oct 09 j 19:26 | 9°♃42'18 | 0°-38'-15 |
| min. Earth dist. | -675 Sep 06 j 18:10 | 7°♃20'28 | 19.02304 AU | min. Earth dist. | -667 Oct 09 j 14:00 | 9°♃42'52 | 18.70470 AU |
| direct | -675 Nov 21 j 10:00 | 5°♃21'57 | | direct | -667 Dec 23 j 08:28 | 7°♃43'50 | |
| conjunction | -674 Mar 07 j 01:24 | 9°♃14'55 | 0°-44'-2 | conjunction | -666 Apr 09 j 11:32 | 11°♃43'28 | 0°-33'-33 |
| minimum elong | -674 Mar 07 j 01:24 | 9°♃14'55 | 0°44'03 | minimum elong | -666 Apr 09 j 11:32 | 11°♃43'28 | 0°33'34 |
| max. Earth dist. | -674 Mar 07 j 21:09 | 9°♃17'43 | 21.01073 AU | max. Earth dist. | -666 Apr 09 j 16:21 | 11°♃44'10 | 20.67610 AU |
| retrograde | -674 Jun 26 j 03:56 | 13°♃17'54 | | retrograde | -666 Jul 29 j 17:50 | 15°♃51'11 | |
| opposition | -674 Sep 11 j 18:41 | 11°♃18'02 | 0°-48'-22 | opposition | -666 Oct 14 j 03:25 | 13°♃50'17 | 0°-35'-55 |
| min. Earth dist. | -674 Sep 11 j 00:48 | 11°♃19'51 | 18.99813 AU | min. Earth dist. | -666 Oct 13 j 23:24 | 13°♃50'43 | 18.64665 AU |
| direct | -674 Nov 25 j 15:15 | 9°♃21'15 | | direct | -666 Dec 27 j 16:47 | 11°♃51'27 | |
| conjunction | -673 Mar 11 j 09:13 | 13°♃14'47 | 0°-43'-28 | conjunction | -665 Apr 14 j 00:55 | 15°♃52'14 | 0°-31'-20 |
| minimum elong | -673 Mar 11 j 09:13 | 13°♃14'47 | 0°43'28 | minimum elong | -665 Apr 14 j 00:56 | 15°♃52'14 | 0°31'22 |
| max. Earth dist. | -673 Mar 12 j 04:09 | 13°♃17'28 | 20.98394 AU | max. Earth dist. | -665 Apr 14 j 04:33 | 15°♃52'46 | 20.61667 AU |
| retrograde | -673 Jun 30 j 12:27 | 17°♃18'14 | | retrograde | -665 Aug 03 j 05:23 | 20°♃00'39 | |
| min. Earth dist. | -673 Sep 15 j 09:11 | 15°♃19'56 | 18.96938 AU | opposition | -665 Oct 18 j 11:48 | 17°♃59'35 | 0°-33'-23 |
| opposition | -673 Sep 16 j 01:05 | 15°♃18'18 | 0°-47'-37 | min. Earth dist. | -665 Oct 18 j 09:44 | 17°♃59'48 | 18.58601 AU |
| direct | -673 Nov 29 j 19:07 | 13°♃21'24 | | direct | -664 Jan 01 j 00:35 | 16°♃00'22 | |
| conjunction | -672 Mar 14 j 17:48 | 17°♃15'34 | 0°-42'-40 | conjunction | -664 Apr 17 j 15:03 | 20°♃02'23 | 0°-28'-58 |
| minimum elong | -672 Mar 14 j 17:48 | 17°♃15'34 | 0°42'42 | minimum elong | -664 Apr 17 j 15:04 | 20°♃02'23 | 0°28'57 |
| max. Earth dist. | -672 Mar 15 j 10:50 | 17°♃18'00 | 20.95336 AU | max. Earth dist. | -664 Apr 17 j 15:51 | 20°♃02'30 | 20.55516 AU |
| retrograde | -672 Jul 03 j 23:12 | 21°♃19'33 | | retrograde | -664 Aug 06 j 19:03 | 24°♃11'33 | |
| opposition | -672 Sep 19 j 07:24 | 19°♃19'33 | 0°-46'-38 | opposition | -664 Oct 21 j 20:27 | 22°♃10'18 | 0°-30'-40 |
| min. Earth dist. | -672 Sep 18 j 16:29 | 19°♃21'05 | 18.93668 AU | min. Earth dist. | -664 Oct 21 j 19:53 | 22°♃10'22 | 18.52366 AU |
| direct | -672 Dec 03 j 00:35 | 17°♃22'29 | | direct | -663 Jan 04 j 10:14 | 20°♃10'42 | |
| conjunction | -671 Mar 19 j 03:05 | 21°♃17'25 | 0°-41'-40 | conjunction | -663 Apr 22 j 06:05 | 24°♃14'02 | 0°-26'-25 |
| minimum elong | -671 Mar 19 j 03:05 | 21°♃17'25 | 0°41'41 | minimum elong | -663 Apr 22 j 06:05 | 24°♃14'02 | 0°26'26 |
| max. Earth dist. | -671 Mar 19 j 18:51 | 21°♃19'40 | 20.91842 AU | max. Earth dist. | -663 Apr 22 j 05:53 | 24°♃14'00 | 20.49204 AU |
| retrograde | -671 Jul 08 j 08:58 | 25°♃21'56 | | retrograde | -663 Aug 11 j 07:36 | 28°♃23'58 | |
| opposition | -671 Sep 23 j 14:09 | 23°♃21'52 | 0°-45'-25 | opposition | -663 Oct 26 j 05:45 | 26°♃22'35 | 0°-27'-46 |
| min. Earth dist. | -671 Sep 23 j 01:29 | 23°♃23'10 | 18.89946 AU | min. Earth dist. | -663 Oct 26 j 06:51 | 26°♃22'28 | 18.45997 AU |
| direct | -671 Dec 07 j 05:34 | 21°♃24'37 | | direct | -662 Jan 08 j 18:51 | 24°♃22'37 | |
| conjunction | -670 Mar 23 j 12:52 | 25°♃20'21 | 0°-40'-28 | conjunction | -662 Apr 26 j 21:36 | 28°♃27'18 | 0°-23'-43 |
| minimum elong | -670 Mar 23 j 12:52 | 25°♃20'21 | 0°40'29 | minimum elong | -662 Apr 26 j 21:36 | 28°♃27'18 | 0°23'43 |
| max. Earth dist. | -670 Mar 24 j 02:15 | 25°♃22'16 | 20.87900 AU | max. Earth dist. | -662 Apr 26 j 18:37 | 28°♃26'52 | 20.42803 AU |
| retrograde | -670 Jul 12 j 20:16 | 29°♃25'29 | | | -662 May 23 j 23:17 | 0°♂ | |
| opposition | -670 Sep 27 j 21:07 | 27°♃25'18 | 0°-43'-58 | retrograde | -662 Aug 15 j 22:32 | 2°♂38'05 | |
| min. Earth dist. | -670 Sep 27 j 09:42 | 27°♃26'29 | 18.85761 AU | opposition | -662 Oct 30 j 15:35 | 0°♂36'34 | 0°-24'-42 |
| direct | -670 Dec 11 j 11:38 | 25°♃27'49 | | min. Earth dist. | -662 Oct 30 j 18:12 | 0°♂36'17 | 18.39564 AU |
| conjunction | -669 Mar 27 j 23:34 | 29°♃24'26 | 0°-39'-2 | | -662 Nov 14 j 06:35 | 30°♂♃ | |
| minimum elong | -669 Mar 27 j 23:34 | 29°♃24'26 | 0°39'02 | direct | -661 Jan 13 j 05:46 | 28°♃36'14 | |
| max. Earth dist. | -669 Mar 28 j 11:24 | 29°♃26'07 | 20.83470 AU | | -661 Mar 12 j 09:12 | 0°♂ | |
| retrograde | -669 Apr 07 j 08:24 | 0°♃ | | conjunction | -661 May 01 j 14:22 | 2°♂42'22 | 0°-20'-52 |
| opposition | -669 Jul 17 j 06:41 | 3°♃30'10 | | minimum elong | -661 May 01 j 14:23 | 2°♂42'22 | 0°20'53 |
| min. Earth dist. | -669 Oct 02 j 04:18 | 1°♃29'51 | 0°-42'-17 | max. Earth dist. | -661 May 01 j 10:31 | 2°♂41'48 | 20.36339 AU |
| direct | -669 Oct 01 j 19:15 | 1°♃30'47 | 18.81090 AU | retrograde | -661 Aug 20 j 12:27 | 6°♂53'59 | |
| conjunction | -669 Nov 12 j 09:40 | 30°♂♃ | | opposition | -661 Nov 04 j 01:55 | 4°♂52'23 | 0°-21'-29 |
| opposition | -669 Dec 15 j 18:01 | 29°♃32'04 | | min. Earth dist. | -661 Nov 04 j 06:08 | 4°♂51'56 | 18.33075 AU |
| direct | -668 Jan 17 j 15:53 | 0°♃ | | direct | -660 Jan 17 j 16:11 | 2°♂51'43 | |
| conjunction | -668 Mar 31 j 10:56 | 3°♃29'38 | 0°-37'-24 | conjunction | -660 May 05 j 07:55 | 6°♂59'21 | 0°-17'-54 |
| minimum elong | -668 Mar 31 j 10:56 | 3°♃29'38 | 0°37'25 | minimum elong | -660 May 05 j 07:55 | 6°♂59'21 | 0°17'55 |
| max. Earth dist. | -668 Mar 31 j 19:58 | 3°♃30'55 | 20.78586 AU | max. Earth dist. | -660 May 05 j 01:00 | 6°♂58'20 | 20.29845 AU |
| retrograde | -668 Jul 20 j 18:34 | 7°♃36'00 | | retrograde | -660 Aug 24 j 04:15 | 11°♂11'51 | |
| opposition | -668 Oct 05 j 11:45 | 5°♃35'30 | 0°-40'-22 | opposition | -660 Nov 07 j 12:59 | 9°♂10'11 | 0°-18'-7 |
| min. Earth dist. | -668 Oct 05 j 04:08 | 5°♃36'17 | 18.75980 AU | min. Earth dist. | -660 Nov 07 j 18:59 | 9°♂09'32 | 18.26570 AU |
| direct | -668 Dec 19 j 01:09 | 3°♃37'23 | | direct | -659 Jan 21 j 04:10 | 7°♂09'11 | |
| conjunction | -667 Apr 04 j 22:55 | 7°♃35'58 | 0°-35'-34 | conjunction | -659 May 10 j 02:24 | 11°♂18'23 | 0°-14'-48 |
| minimum elong | -667 Apr 04 j 22:55 | 7°♃35'58 | 0°35'35 | minimum elong | -659 May 10 j 02:24 | 11°♂18'23 | 0°14'48 |
| max. Earth dist. | -667 Apr 05 j 06:29 | 7°♃37'03 | 20.73267 AU | behind sun begin | -659 May 10 j 00:01 | 11°♂18'02 | |

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Attention, astronomical year style is used: The year -659 in astronomical counting style is the year 660 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| behind sun end | -659 May 10 j 04:47 | 11°♄18'43 | | behind sun end | -653 Jun 07 j 18:51 | 7°♄56'17 | |
| max. Earth dist. | -659 May 09 j 18:40 | 11°♄17'15 | 20.23317 AU | max. Earth dist. | -653 Jun 06 j 15:48 | 7°♄52'14 | 19.83401 AU |
| | -659 Jul 24 j 14:46 | 15°♄ | | retrograde | -653 Sep 25 j 10:25 | 12°♄13'36 | |
| retrograde | -659 Aug 28 j 20:02 | 15°♄31'46 | | opposition | -653 Dec 08 j 14:41 | 10°♄11'24 | 0°08'04 |
| | -659 Oct 03 j 09:20 | 15°♄♁ | | min. Earth dist. | -653 Dec 09 j 08:19 | 10°♄09'29 | 17.80139 AU |
| opposition | -659 Nov 12 j 00:43 | 13°♄30'03 | 0°-14'-37 | direct | -652 Feb 21 j 17:08 | 8°♄07'42 | |
| min. Earth dist. | -659 Nov 12 j 08:15 | 13°♄29'15 | 18.20020 AU | | | | |
| direct | -658 Jan 25 j 16:56 | 11°♄28'45 | | conjunction | -652 Jun 11 j 12:37 | 12°♄27'53 | 0°09'02 |
| | -658 May 03 j 17:59 | 15°♄ | | minimum elong | -652 Jun 11 j 12:37 | 12°♄27'53 | 0°09'03 |
| | | | | behind sun begin | -652 Jun 11 j 06:52 | 12°♄27'02 | |
| conjunction | -658 May 14 j 21:46 | 15°♄39'31 | 0°-11'-35 | behind sun end | -652 Jun 11 j 18:21 | 12°♄28'44 | |
| minimum elong | -658 May 14 j 21:46 | 15°♄39'31 | 0°11'37 | max. Earth dist. | -652 Jun 10 j 13:34 | 12°♄24'24 | 19.76935 AU |
| behind sun begin | -658 May 14 j 17:02 | 15°♄38'50 | | retrograde | -652 Sep 29 j 06:31 | 16°♄46'52 | |
| behind sun end | -658 May 15 j 02:30 | 15°♄40'12 | | opposition | -652 Dec 12 j 07:41 | 14°♄44'32 | 0°11'54 |
| max. Earth dist. | -658 May 14 j 10:46 | 15°♄37'54 | 20.16753 AU | min. Earth dist. | -652 Dec 13 j 03:25 | 14°♄42'23 | 17.73795 AU |
| retrograde | -658 Sep 02 j 12:33 | 19°♄53'49 | | direct | -651 Feb 25 j 11:23 | 12°♄40'24 | |
| opposition | -658 Nov 16 j 13:09 | 17°♄52'03 | 0°-11'00 | | | | |
| min. Earth dist. | -658 Nov 16 j 22:50 | 17°♄51'00 | 18.13438 AU | conjunction | -651 Jun 16 j 13:23 | 17°♄02'03 | 0°12'27 |
| direct | -657 Jan 30 j 06:19 | 15°♄50'23 | | minimum elong | -651 Jun 16 j 13:22 | 17°♄02'03 | 0°12'27 |
| | | | | behind sun begin | -651 Jun 16 j 09:05 | 17°♄01'25 | |
| conjunction | -657 May 19 j 18:19 | 20°♄02'46 | 0°-8'-18 | behind sun end | -651 Jun 16 j 17:40 | 17°♄02'42 | |
| minimum elong | -657 May 19 j 18:19 | 20°♄02'46 | 0°08'17 | max. Earth dist. | -651 Jun 15 j 13:46 | 16°♄58'28 | 19.70716 AU |
| behind sun begin | -657 May 19 j 12:22 | 20°♄01'55 | | retrograde | -651 Oct 04 j 03:57 | 21°♄21'42 | |
| behind sun end | -657 May 20 j 00:16 | 20°♄03'38 | | opposition | -651 Dec 17 j 01:17 | 19°♄19'15 | 0°15'41 |
| max. Earth dist. | -657 May 19 j 06:15 | 20°♄01'00 | 20.10132 AU | min. Earth dist. | -651 Dec 17 j 21:10 | 19°♄17'05 | 17.67723 AU |
| retrograde | -657 Sep 07 j 06:16 | 24°♄17'55 | | direct | -650 Mar 02 j 07:52 | 17°♄14'44 | |
| opposition | -657 Nov 21 j 02:23 | 22°♄16'06 | 0°-7'-17 | | | | |
| min. Earth dist. | -657 Nov 21 j 13:34 | 22°♄14'54 | 18.06780 AU | conjunction | -650 Jun 21 j 14:46 | 21°♄37'47 | 0°15'49 |
| direct | -656 Feb 03 j 21:31 | 20°♄14'05 | | minimum elong | -650 Jun 21 j 14:46 | 21°♄37'47 | 0°15'49 |
| | | | | max. Earth dist. | -650 Jun 20 j 13:28 | 21°♄33'56 | 19.64800 AU |
| conjunction | -656 May 23 j 15:35 | 24°♄28'05 | 0°-4'-56 | retrograde | -650 Oct 09 j 00:25 | 25°♄58'03 | |
| minimum elong | -656 May 23 j 15:35 | 24°♄28'05 | 0°04'56 | opposition | -650 Dec 21 j 19:39 | 23°♄55'31 | 0°19'24 |
| behind sun begin | -656 May 23 j 08:59 | 24°♄27'07 | | min. Earth dist. | -650 Dec 22 j 17:24 | 23°♄53'09 | 17.62005 AU |
| behind sun end | -656 May 23 j 22:12 | 24°♄29'02 | | direct | -649 Mar 07 j 03:17 | 21°♄50'37 | |
| max. Earth dist. | -656 May 23 j 00:03 | 24°♄25'46 | 20.03443 AU | | | | |
| retrograde | -656 Sep 10 j 23:47 | 28°♄44'04 | | conjunction | -649 Jun 26 j 16:46 | 26°♄15'03 | 0°19'05 |
| opposition | -656 Nov 24 j 16:23 | 26°♄42'10 | 0°-3'-29 | minimum elong | -649 Jun 26 j 16:46 | 26°♄15'03 | 0°19'06 |
| min. Earth dist. | -656 Nov 25 j 05:54 | 26°♄40'43 | 18.00077 AU | max. Earth dist. | -649 Jun 25 j 14:51 | 26°♄11'05 | 19.59279 AU |
| direct | -655 Feb 07 j 12:43 | 24°♄39'45 | | | -649 Sep 07 j 12:35 | 0°♁ | |
| | | | | retrograde | -649 Oct 13 j 22:59 | 0°♁35'53 | |
| conjunction | -655 May 28 j 13:50 | 28°♄55'20 | 0°-1'-28 | | -649 Nov 19 j 19:48 | 30°♁♁ | |
| minimum elong | -655 May 28 j 13:50 | 28°♄55'20 | 0°01'28 | opposition | -649 Dec 26 j 14:46 | 28°♄33'18 | 0°23'00 |
| behind sun begin | -655 May 28 j 07:02 | 28°♄54'21 | | min. Earth dist. | -649 Dec 27 j 12:16 | 28°♄30'57 | 17.56696 AU |
| behind sun end | -655 May 28 j 20:37 | 28°♄56'19 | | direct | -648 Mar 11 j 01:56 | 26°♄28'05 | |
| max. Earth dist. | -655 May 27 j 21:16 | 28°♄52'52 | 19.96723 AU | | -648 Jun 16 j 03:26 | 0°♁ | |
| | -655 Jun 15 j 17:24 | 0°♄ | | | | | |
| retrograde | -655 Sep 15 j 19:04 | 3°♄12'07 | | conjunction | -648 Jun 30 j 19:10 | 0°♁53'49 | 0°22'15 |
| asc. node | -655 Oct 28 j 09:44 | 2°♄26'24 | | minimum elong | -648 Jun 30 j 19:10 | 0°♁53'49 | 0°22'15 |
| opposition | -655 Nov 29 j 07:07 | 1°♄10'08 | 0°00'20 | max. Earth dist. | -648 Jun 29 j 16:25 | 0°♁49'42 | 19.54183 AU |
| min. Earth dist. | -655 Nov 29 j 21:43 | 1°♄08'34 | 17.93355 AU | retrograde | -648 Oct 17 j 20:08 | 5°♁15'11 | |
| | -655 Dec 28 j 03:41 | 30°♁♁ | | opposition | -648 Dec 30 j 10:47 | 3°♁12'36 | 0°26'28 |
| direct | -654 Feb 12 j 05:45 | 29°♄07'19 | | min. Earth dist. | -648 Dec 31 j 09:49 | 3°♁10'05 | 17.51849 AU |
| | -654 Mar 29 j 11:17 | 0°♄ | | direct | -647 Mar 15 j 22:54 | 1°♁07'07 | |
| | | | | | | | |
| conjunction | -654 Jun 02 j 12:34 | 3°♄24'27 | 0°02'06 | conjunction | -647 Jul 05 j 22:00 | 5°♁34'06 | 0°25'18 |
| minimum elong | -654 Jun 02 j 12:34 | 3°♄24'27 | 0°02'07 | minimum elong | -647 Jul 05 j 22:00 | 5°♁34'06 | 0°25'18 |
| behind sun begin | -654 Jun 02 j 05:46 | 3°♄23'27 | | max. Earth dist. | -647 Jul 04 j 18:34 | 5°♁29'52 | 19.49584 AU |
| behind sun end | -654 Jun 02 j 19:22 | 3°♄25'26 | | retrograde | -647 Oct 22 j 19:40 | 9°♁55'59 | |
| max. Earth dist. | -654 Jun 01 j 16:55 | 3°♄21'30 | 19.90018 AU | opposition | -646 Jan 04 j 07:20 | 7°♁53'25 | 0°29'47 |
| retrograde | -654 Sep 20 j 13:57 | 7°♄42'01 | | min. Earth dist. | -646 Jan 05 j 05:53 | 7°♁50'57 | 17.47495 AU |
| opposition | -654 Dec 03 j 22:39 | 5°♄39'54 | 0°04'12 | direct | -646 Mar 20 j 23:11 | 5°♁47'43 | |
| min. Earth dist. | -654 Dec 04 j 15:33 | 5°♄38'05 | 17.86691 AU | max. Earth dist. | -646 Jul 09 j 21:48 | 10°♁11'37 | 19.45464 AU |
| direct | -653 Feb 16 j 22:34 | 3°♄36'38 | | | | | |
| | | | | conjunction | -646 Jul 11 j 01:20 | 10°♁15'53 | 0°28'11 |
| conjunction | -653 Jun 07 j 12:20 | 7°♄55'19 | 0°05'35 | minimum elong | -646 Jul 11 j 01:20 | 10°♁15'53 | 0°28'12 |
| minimum elong | -653 Jun 07 j 12:20 | 7°♄55'19 | 0°05'35 | retrograde | -646 Oct 27 j 18:00 | 14°♁38'13 | |
| behind sun begin | -653 Jun 07 j 05:49 | 7°♄54'22 | | opposition | -645 Jan 09 j 04:53 | 12°♁35'44 | 0°32'55 |

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Attention, astronomical year style is used: The year -645 in astronomical counting style is the year 646 BCE in historical counting style.

| | | | | | | | |
|--------------------|---------------------|-----------|-------------|---------------------|---------------------|-----------|-------------|
| min. Earth dist. | -645 Jan 10 j 04:52 | 12°♄33'06 | 17.43617 AU | minimum elong | -638 Aug 19 j 08:46 | 18°♁26'25 | 0°43'21 |
| direct | -645 Mar 25 j 21:43 | 10°♄29'51 | | retrograde | -638 Dec 04 j 22:23 | 22°♁49'45 | |
| max. Earth dist. | -645 Jul 15 j 00:26 | 14°♄54'39 | 19.41819 AU | opposition | -637 Feb 16 j 06:53 | 20°♁47'40 | 0°48'44 |
| conjunction | -645 Jul 16 j 05:00 | 14°♄59'06 | 0°30'55 | min. Earth dist. | -637 Feb 17 j 05:38 | 20°♁45'11 | 17.28765 AU |
| minimum elong | -645 Jul 16 j 05:00 | 14°♄59'06 | 0°30'55 | direct | -637 May 03 j 21:01 | 18°♁41'05 | |
| retrograde | -645 Nov 01 j 18:28 | 19°♄21'51 | | max. Earth dist. | -637 Aug 23 j 09:54 | 23°♁09'52 | 19.28868 AU |
| opposition | -644 Jan 14 j 02:58 | 17°♄19'26 | 0°35'52 | conjunction | -637 Aug 24 j 11:37 | 23°♁13'56 | 0°43'59 |
| min. Earth dist. | -644 Jan 15 j 02:32 | 17°♄16'51 | 17.40199 AU | minimum elong | -637 Aug 24 j 11:37 | 23°♁13'56 | 0°44'00 |
| direct | -644 Mar 30 j 00:00 | 15°♄13'25 | | retrograde | -637 Dec 09 j 21:16 | 27°♁37'02 | |
| max. Earth dist. | -644 Jul 19 j 05:01 | 19°♄39'15 | 19.38610 AU | opposition | -636 Feb 21 j 08:56 | 25°♁34'58 | 0°49'17 |
| conjunction | -644 Jul 20 j 09:05 | 19°♄43'38 | 0°33'26 | min. Earth dist. | -636 Feb 22 j 06:59 | 25°♁32'34 | 17.29225 AU |
| minimum elong | -644 Jul 20 j 09:05 | 19°♄43'38 | 0°33'27 | direct | -636 May 08 j 00:13 | 23°♁28'24 | |
| retrograde | -644 Nov 05 j 17:34 | 24°♄06'42 | | conjunction | -636 Aug 28 j 14:04 | 28°♁01'00 | 0°44'19 |
| opposition | -643 Jan 18 j 02:04 | 22°♄04'23 | 0°38'34 | minimum elong | -636 Aug 28 j 14:04 | 28°♁01'00 | 0°44'19 |
| min. Earth dist. | -643 Jan 19 j 02:46 | 22°♄01'41 | 17.37213 AU | max. Earth dist. | -636 Aug 27 j 14:33 | 27°♁57'17 | 19.29646 AU |
| direct | -643 Apr 04 j 00:20 | 19°♄58'15 | | -636 Sep 29 j 23:52 | 0°♃ | | |
| max. Earth dist. | -643 Jul 24 j 07:49 | 24°♄24'43 | 19.35838 AU | retrograde | -636 Dec 13 j 22:13 | 2°♃23'47 | |
| conjunction | -643 Jul 25 j 13:01 | 24°♄29'17 | 0°35'45 | opposition | -635 Feb 25 j 11:05 | 0°♃21'46 | 0°49'29 |
| minimum elong | -643 Jul 25 j 13:01 | 24°♄29'17 | 0°35'44 | min. Earth dist. | -635 Feb 26 j 07:12 | 0°♃19'35 | 17.30318 AU |
| retrograde | -643 Nov 10 j 18:31 | 28°♄52'38 | | -635 Mar 05 j 21:06 | 30°♃♁ | | |
| opposition | -642 Jan 23 j 01:37 | 26°♄50'22 | 0°41'01 | direct | -635 May 13 j 06:06 | 28°♁15'17 | |
| min. Earth dist. | -642 Jan 24 j 01:52 | 26°♄47'43 | 17.34656 AU | -635 Jul 17 j 04:07 | 0°♃ | | |
| direct | -642 Apr 09 j 04:00 | 24°♄44'07 | | conjunction | -635 Sep 02 j 15:47 | 2°♃47'29 | 0°44'21 |
| conjunction | -642 Jul 30 j 17:23 | 29°♄15'51 | 0°37'49 | minimum elong | -635 Sep 02 j 15:47 | 2°♃47'29 | 0°44'21 |
| minimum elong | -642 Jul 30 j 17:23 | 29°♄15'51 | 0°37'49 | max. Earth dist. | -635 Sep 01 j 17:34 | 2°♃43'59 | 19.31071 AU |
| max. Earth dist. | -642 Jul 29 j 13:10 | 29°♄11'26 | 19.33482 AU | retrograde | -635 Dec 18 j 20:10 | 7°♃09'54 | |
| retrograde | -642 Aug 11 j 11:37 | 0°♁ | | opposition | -634 Mar 02 j 13:24 | 5°♃07'57 | 0°49'21 |
| opposition | -641 Jan 28 j 01:47 | 1°♁37'10 | 0°43'11 | min. Earth dist. | -634 Mar 03 j 08:42 | 5°♃05'52 | 17.32077 AU |
| min. Earth dist. | -641 Jan 29 j 02:43 | 1°♁34'27 | 17.32514 AU | direct | -634 May 18 j 09:22 | 3°♃01'36 | |
| direct | -641 Mar 11 j 11:25 | 30°♃♄ | | conjunction | -634 Sep 07 j 17:03 | 7°♃33'18 | 0°44'04 |
| conjunction | -641 Apr 14 j 06:13 | 29°♄30'49 | | minimum elong | -634 Sep 07 j 17:03 | 7°♃33'18 | 0°44'05 |
| minimum elong | -641 May 17 j 13:26 | 0°♁ | | max. Earth dist. | -634 Sep 06 j 20:51 | 7°♃30'07 | 19.33164 AU |
| max. Earth dist. | -641 Aug 04 j 21:34 | 4°♁03'05 | 0°39'37 | retrograde | -634 Dec 23 j 20:29 | 11°♃55'17 | |
| retrograde | -641 Aug 04 j 21:34 | 4°♁03'05 | 0°39'37 | opposition | -633 Mar 07 j 15:35 | 9°♃53'27 | 0°48'52 |
| max. Earth dist. | -641 Aug 03 j 16:19 | 3°♁58'30 | 19.31563 AU | min. Earth dist. | -633 Mar 08 j 08:25 | 9°♃51'38 | 17.34476 AU |
| retrograde | -641 Nov 20 j 19:25 | 8°♁26'42 | | direct | -633 May 23 j 15:27 | 7°♃47'19 | |
| opposition | -640 Feb 02 j 02:30 | 6°♁24'32 | 0°45'04 | conjunction | -633 Sep 12 j 17:42 | 12°♃18'22 | 0°43'30 |
| min. Earth dist. | -640 Feb 03 j 02:57 | 6°♁21'52 | 17.30827 AU | minimum elong | -633 Sep 12 j 17:42 | 12°♃18'22 | 0°43'30 |
| direct | -640 Apr 18 j 09:49 | 4°♁18'05 | | max. Earth dist. | -633 Sep 11 j 23:31 | 12°♃15'30 | 19.35881 AU |
| max. Earth dist. | -640 Aug 07 j 21:56 | 8°♁46'24 | 19.30104 AU | retrograde | -633 Dec 28 j 18:10 | 16°♃39'53 | |
| conjunction | -640 Aug 09 j 01:35 | 8°♁50'45 | 0°41'09 | opposition | -632 Mar 11 j 18:03 | 14°♃38'12 | 0°48'04 |
| minimum elong | -640 Aug 09 j 01:35 | 8°♁50'45 | 0°41'09 | min. Earth dist. | -632 Mar 12 j 10:05 | 14°♃36'29 | 17.37495 AU |
| retrograde | -640 Nov 24 j 20:31 | 13°♁14'21 | | direct | -632 May 27 j 18:04 | 12°♃32'20 | |
| opposition | -639 Feb 06 j 03:43 | 11°♁12'14 | 0°46'37 | conjunction | -632 Sep 16 j 17:29 | 17°♃02'36 | 0°42'38 |
| min. Earth dist. | -639 Feb 07 j 03:59 | 11°♁09'36 | 17.29605 AU | minimum elong | -632 Sep 16 j 17:29 | 17°♃02'36 | 0°42'39 |
| direct | -639 Apr 23 j 13:18 | 9°♁05'43 | | max. Earth dist. | -632 Sep 16 j 01:04 | 17°♃00'01 | 19.39193 AU |
| max. Earth dist. | -639 Aug 13 j 01:12 | 13°♁34'11 | 19.29142 AU | retrograde | -631 Jan 01 j 18:21 | 21°♃23'36 | |
| conjunction | -639 Aug 14 j 05:16 | 13°♁38'36 | 0°42'24 | opposition | -631 Mar 16 j 20:19 | 19°♃22'04 | 0°46'56 |
| minimum elong | -639 Aug 14 j 05:16 | 13°♁38'36 | 0°42'24 | min. Earth dist. | -631 Mar 17 j 09:38 | 19°♃20'39 | 17.41059 AU |
| retrograde | -639 Sep 05 j 00:25 | 15°♁ | | direct | -631 Jun 01 j 23:00 | 17°♃16'30 | |
| opposition | -638 Feb 11 j 05:05 | 16°♁00'01 | 0°47'51 | conjunction | -631 Sep 21 j 16:49 | 21°♃45'53 | 0°41'29 |
| min. Earth dist. | -638 Feb 12 j 04:50 | 15°♁57'26 | 17.28915 AU | minimum elong | -631 Sep 21 j 16:49 | 21°♃45'53 | 0°41'29 |
| direct | -638 Mar 07 j 04:00 | 15°♃♁ | | max. Earth dist. | -631 Sep 21 j 02:50 | 21°♃43'41 | 19.43007 AU |
| max. Earth dist. | -638 Apr 28 j 16:08 | 13°♁53'27 | | retrograde | -630 Jan 06 j 15:50 | 26°♃06'17 | |
| conjunction | -638 Jun 18 j 17:11 | 15°♁ | | opposition | -630 Mar 21 j 22:28 | 24°♃04'55 | 0°45'29 |
| retrograde | -638 Aug 18 j 06:37 | 18°♁22'17 | 19.28722 AU | min. Earth dist. | -630 Mar 22 j 11:10 | 24°♃03'34 | 17.45104 AU |
| opposition | -638 Aug 19 j 08:46 | 18°♁26'25 | 0°43'21 | direct | -630 Jun 07 j 00:55 | 21°♃59'40 | |
| min. Earth dist. | | | | conjunction | -630 Sep 26 j 15:21 | 26°♃28'02 | 0°40'04 |
| maximum elongation | | | | minimum elong | -630 Sep 26 j 15:21 | 26°♃28'02 | 0°40'04 |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 19

Attention, astronomical year style is used: The year -630 in astronomical counting style is the year 631 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------------------------------|-------------|------------------|---------------------|-----------------------------------|-------------|
| max. Earth dist. | -630 Sep 26 j 02:35 | 26° \mathring{M} 26'02 | 19.47275 AU | conjunction | -622 Nov 01 j 20:03 | 3° \mathring{M} 07'04 | 0°20'44 |
| | -630 Nov 30 j 18:42 | 0° \mathring{M} | | minimum elong | -622 Nov 01 j 20:03 | 3° \mathring{M} 07'04 | 0°20'43 |
| retrograde | -629 Jan 11 j 15:27 | 0° \mathring{M} 47'48 | | max. Earth dist. | -622 Nov 01 j 23:42 | 3° \mathring{M} 07'38 | 19.91836 AU |
| | -629 Feb 24 j 02:02 | 30° \mathring{R} \mathring{M} | | retrograde | -621 Feb 17 j 03:58 | 7° \mathring{M} 20'23 | |
| opposition | -629 Mar 27 j 00:29 | 28° \mathring{M} 46'36 | 0°43'44 | opposition | -621 May 04 j 00:45 | 5° \mathring{M} 19'54 | 0°21'19 |
| min. Earth dist. | -629 Mar 27 j 10:25 | 28° \mathring{M} 45'32 | 17.49560 AU | min. Earth dist. | -621 May 03 j 19:20 | 5° \mathring{M} 20'28 | 17.95127 AU |
| direct | -629 Jun 12 j 04:42 | 26° \mathring{M} 41'40 | | direct | -621 Jul 20 j 06:51 | 3° \mathring{M} 17'43 | |
| | -629 Sep 13 j 02:07 | 0° \mathring{M} | | | | | |
| conjunction | -629 Oct 01 j 13:07 | 1° \mathring{M} 08'55 | 0°38'22 | conjunction | -621 Nov 06 j 10:25 | 7° \mathring{M} 33'16 | 0°17'38 |
| minimum elong | -629 Oct 01 j 13:07 | 1° \mathring{M} 08'55 | 0°38'23 | minimum elong | -621 Nov 06 j 10:25 | 7° \mathring{M} 33'16 | 0°17'37 |
| max. Earth dist. | -629 Oct 01 j 03:09 | 1° \mathring{M} 07'21 | 19.51911 AU | max. Earth dist. | -621 Nov 06 j 17:23 | 7° \mathring{M} 34'20 | 19.98500 AU |
| retrograde | -628 Jan 16 j 12:14 | 5° \mathring{M} 28'00 | | retrograde | -620 Feb 21 j 19:35 | 11° \mathring{M} 45'43 | |
| opposition | -628 Mar 31 j 02:26 | 3° \mathring{M} 26'56 | 0°41'42 | opposition | -620 May 07 j 21:58 | 9° \mathring{M} 45'22 | 0°17'50 |
| min. Earth dist. | -628 Mar 31 j 11:34 | 3° \mathring{M} 25'58 | 17.54363 AU | min. Earth dist. | -620 May 07 j 14:13 | 9° \mathring{M} 46'10 | 18.01889 AU |
| direct | -628 Jun 16 j 06:10 | 1° \mathring{M} 22'21 | | direct | -620 Jul 24 j 04:05 | 7° \mathring{M} 43'37 | |
| | | | | | | | |
| conjunction | -628 Oct 05 j 10:01 | 5° \mathring{M} 48'21 | 0°36'26 | conjunction | -620 Nov 09 j 23:53 | 11° \mathring{M} 57'35 | 0°14'28 |
| minimum elong | -628 Oct 05 j 10:01 | 5° \mathring{M} 48'21 | 0°36'25 | minimum elong | -620 Nov 09 j 23:53 | 11° \mathring{M} 57'35 | 0°14'28 |
| max. Earth dist. | -628 Oct 05 j 01:00 | 5° \mathring{M} 46'56 | 19.56879 AU | behind sun begin | -620 Nov 09 j 20:47 | 11° \mathring{M} 57'07 | |
| retrograde | -627 Jan 20 j 10:51 | 10° \mathring{M} 06'42 | | behind sun end | -620 Nov 10 j 02:59 | 11° \mathring{M} 58'02 | |
| opposition | -627 Apr 05 j 03:44 | 8° \mathring{M} 05'45 | 0°39'24 | max. Earth dist. | -620 Nov 10 j 08:10 | 11° \mathring{M} 58'50 | 20.05361 AU |
| min. Earth dist. | -627 Apr 05 j 10:09 | 8° \mathring{M} 05'04 | 17.59474 AU | | -619 Jan 04 j 09:45 | 15° \mathring{M} | |
| direct | -627 Jun 21 j 08:38 | 6° \mathring{M} 01'30 | | retrograde | -619 Feb 25 j 11:32 | 16° \mathring{M} 09'12 | |
| | | | | | -619 Apr 21 j 09:25 | 15° \mathring{R} \mathring{M} | |
| conjunction | -627 Oct 10 j 06:11 | 10° \mathring{M} 26'11 | 0°34'16 | opposition | -619 May 12 j 18:20 | 14° \mathring{M} 09'00 | 0°14'15 |
| minimum elong | -627 Oct 10 j 06:11 | 10° \mathring{M} 26'11 | 0°34'16 | min. Earth dist. | -619 May 12 j 08:43 | 14° \mathring{M} 09'59 | 18.08838 AU |
| max. Earth dist. | -627 Oct 10 j 00:04 | 10° \mathring{M} 25'14 | 19.62120 AU | direct | -619 Jul 28 j 22:39 | 12° \mathring{M} 07'41 | |
| retrograde | -626 Jan 25 j 06:27 | 14° \mathring{M} 43'45 | | | -619 Oct 23 j 06:37 | 15° \mathring{M} | |
| opposition | -626 Apr 10 j 04:47 | 12° \mathring{M} 42'55 | 0°36'52 | conjunction | -619 Nov 14 j 12:43 | 16° \mathring{M} 20'06 | 0°11'14 |
| min. Earth dist. | -626 Apr 10 j 10:13 | 12° \mathring{M} 42'21 | 17.64829 AU | minimum elong | -619 Nov 14 j 12:42 | 16° \mathring{M} 20'06 | 0°11'14 |
| direct | -626 Jun 26 j 09:27 | 10° \mathring{M} 39'00 | | behind sun begin | -619 Nov 14 j 07:49 | 16° \mathring{M} 19'22 | |
| | | | | behind sun end | -619 Nov 14 j 17:36 | 16° \mathring{M} 20'50 | |
| conjunction | -626 Oct 15 j 01:14 | 15° \mathring{M} 02'17 | 0°31'53 | max. Earth dist. | -619 Nov 14 j 23:55 | 16° \mathring{M} 21'48 | 20.12368 AU |
| minimum elong | -626 Oct 15 j 01:15 | 15° \mathring{M} 02'17 | 0°31'53 | retrograde | -618 Mar 02 j 02:43 | 20° \mathring{M} 30'54 | |
| max. Earth dist. | -626 Oct 14 j 20:00 | 15° \mathring{M} 01'28 | 19.67600 AU | opposition | -618 May 17 j 14:03 | 18° \mathring{M} 30'52 | 0°10'37 |
| retrograde | -625 Jan 30 j 03:38 | 19° \mathring{M} 19'02 | | min. Earth dist. | -618 May 17 j 02:08 | 18° \mathring{M} 32'05 | 18.15875 AU |
| opposition | -625 Apr 15 j 05:11 | 17° \mathring{M} 18'17 | 0°34'06 | direct | -618 Aug 02 j 18:07 | 16° \mathring{M} 30'00 | |
| min. Earth dist. | -625 Apr 15 j 08:01 | 17° \mathring{M} 17'59 | 17.70420 AU | | | | |
| direct | -625 Jul 01 j 10:45 | 15° \mathring{M} 14'41 | | conjunction | -618 Nov 19 j 00:31 | 20° \mathring{M} 40'52 | 0°07'58 |
| | | | | minimum elong | -618 Nov 19 j 00:31 | 20° \mathring{M} 40'52 | 0°07'58 |
| conjunction | -625 Oct 19 j 19:32 | 19° \mathring{M} 36'30 | 0°29'19 | behind sun begin | -618 Nov 18 j 18:38 | 20° \mathring{M} 40'00 | |
| minimum elong | -625 Oct 19 j 19:32 | 19° \mathring{M} 36'30 | 0°29'19 | behind sun end | -618 Nov 19 j 06:24 | 20° \mathring{M} 41'44 | |
| max. Earth dist. | -625 Oct 19 j 17:28 | 19° \mathring{M} 36'11 | 19.73308 AU | max. Earth dist. | -618 Nov 19 j 12:57 | 20° \mathring{M} 42'45 | 20.19429 AU |
| retrograde | -624 Feb 03 j 21:59 | 23° \mathring{M} 52'24 | | retrograde | -617 Mar 06 j 17:13 | 24° \mathring{M} 50'53 | |
| opposition | -624 Apr 19 j 05:11 | 21° \mathring{M} 51'43 | 0°31'08 | opposition | -617 May 22 j 09:14 | 22° \mathring{M} 51'01 | 0°06'57 |
| min. Earth dist. | -624 Apr 19 j 06:33 | 21° \mathring{M} 51'35 | 17.76233 AU | min. Earth dist. | -617 May 21 j 19:58 | 22° \mathring{M} 52'22 | 18.22952 AU |
| direct | -624 Jul 05 j 10:42 | 19° \mathring{M} 48'28 | | direct | -617 Aug 07 j 10:14 | 20° \mathring{M} 50'35 | |
| | | | | | | | |
| conjunction | -624 Oct 23 j 12:32 | 24° \mathring{M} 08'44 | 0°26'36 | conjunction | -617 Nov 23 j 11:52 | 24° \mathring{M} 59'57 | 0°04'41 |
| minimum elong | -624 Oct 23 j 12:32 | 24° \mathring{M} 08'44 | 0°26'35 | minimum elong | -617 Nov 23 j 11:52 | 24° \mathring{M} 59'57 | 0°04'41 |
| max. Earth dist. | -624 Oct 23 j 11:36 | 24° \mathring{M} 08'35 | 19.79244 AU | behind sun begin | -617 Nov 23 j 05:28 | 24° \mathring{M} 59'00 | |
| retrograde | -623 Feb 07 j 17:33 | 28° \mathring{M} 23'47 | | behind sun end | -617 Nov 23 j 18:16 | 25° \mathring{M} 00'53 | |
| opposition | -623 Apr 24 j 04:23 | 26° \mathring{M} 23'08 | 0°28'00 | max. Earth dist. | -617 Nov 24 j 02:50 | 25° \mathring{M} 02'12 | 20.26491 AU |
| min. Earth dist. | -623 Apr 24 j 03:16 | 26° \mathring{M} 23'15 | 17.82290 AU | retrograde | -616 Mar 10 j 07:57 | 29° \mathring{M} 09'10 | |
| direct | -623 Jul 10 j 10:27 | 24° \mathring{M} 20'13 | | opposition | -616 May 26 j 03:35 | 27° \mathring{M} 09'28 | 0°03'17 |
| | | | | min. Earth dist. | -616 May 25 j 12:05 | 27° \mathring{M} 11'02 | 18.29976 AU |
| conjunction | -623 Oct 28 j 04:50 | 28° \mathring{M} 38'55 | 0°23'43 | direct | -616 Aug 11 j 04:04 | 25° \mathring{M} 09'29 | |
| minimum elong | -623 Oct 28 j 04:50 | 28° \mathring{M} 38'55 | 0°23'42 | | | | |
| max. Earth dist. | -623 Oct 28 j 07:12 | 28° \mathring{M} 39'17 | 19.85418 AU | conjunction | -616 Nov 26 j 22:21 | 29° \mathring{M} 17'20 | 0°01'20 |
| | -623 Nov 19 j 09:22 | 0° \mathring{M} | | minimum elong | -616 Nov 26 j 22:22 | 29° \mathring{M} 17'20 | 0°01'19 |
| retrograde | -622 Feb 12 j 10:08 | 2° \mathring{M} 53'04 | | behind sun begin | -616 Nov 26 j 15:50 | 29° \mathring{M} 16'23 | |
| opposition | -622 Apr 29 j 02:49 | 0° \mathring{M} 52'31 | 0°24'43 | behind sun end | -616 Nov 27 j 04:54 | 29° \mathring{M} 18'17 | |
| min. Earth dist. | -622 Apr 28 j 23:47 | 0° \mathring{M} 52'50 | 17.88578 AU | max. Earth dist. | -616 Nov 27 j 14:20 | 29° \mathring{M} 19'44 | 20.33457 AU |
| | -622 May 20 j 22:23 | 30° \mathring{R} \mathring{M} | | | -616 Dec 08 j 18:33 | 0° \mathring{M} | |
| direct | -622 Jul 15 j 09:23 | 28° \mathring{M} 49'57 | | retrograde | -615 Mar 14 j 21:25 | 3° \mathring{M} 25'48 | |
| | -622 Sep 06 j 05:17 | 0° \mathring{M} | | desc. node | -615 Apr 20 j 06:49 | 2° \mathring{M} 54'09 | |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 20

Attention, astronomical year style is used: The year -615 in astronomical counting style is the year 616 BCE in historical counting style.

| | | | | | | | | |
|------------------|---------------------|------------|-------------|------------|------------------|---------------------|-----------|-------------|
| opposition | -615 May 30 j 21:20 | 1°♂26'14 | 0°00'-23 | | | -608 Jan 20 j 21:47 | 0°♁ | |
| min. Earth dist. | -615 May 30 j 05:06 | 1°♂27'53 | 18.36882 AU | retrograde | | -608 Apr 13 j 08:12 | 2°♁35'34 | |
| | -615 Jul 09 j 10:59 | 30°♁♁ | | | min. Earth dist. | -608 Jun 29 j 03:31 | 0°♁38'47 | 18.77983 AU |
| direct | -615 Aug 15 j 18:37 | 29°♁♁26'39 | | | opposition | -608 Jun 30 j 04:15 | 0°♁36'18 | 0°-24'-20 |
| | -615 Sep 21 j 00:05 | 0°♂ | | | | -608 Jul 15 j 12:35 | 30°♁♁ | |
| | | | | | direct | -608 Sep 14 j 13:54 | 28°♂38'42 | |
| conjunction | -615 Dec 01 j 08:25 | 3°♂33'03 | 0°-2'-3 | | | -608 Nov 11 j 03:45 | 0°♁ | |
| minimum elong | -615 Dec 01 j 08:25 | 3°♂33'03 | 0°02'05 | | | | | |
| behind sun begin | -615 Dec 01 j 01:53 | 3°♂32'06 | | | conjunction | -608 Dec 29 j 13:46 | 2°♁36'11 | 0°-23'-21 |
| behind sun end | -615 Dec 01 j 14:57 | 3°♂34'00 | | | minimum elong | -608 Dec 29 j 13:46 | 2°♁36'11 | 0°23'22 |
| max. Earth dist. | -615 Dec 02 j 02:19 | 3°♂35'44 | 20.40266 AU | | max. Earth dist. | -608 Dec 30 j 15:05 | 2°♁39'52 | 20.80405 AU |
| retrograde | -614 Mar 19 j 11:15 | 7°♂40'45 | | | retrograde | -607 Apr 17 j 16:29 | 6°♁39'25 | |
| opposition | -614 Jun 04 j 14:11 | 5°♂41'19 | 0°-4'-2 | | opposition | -607 Jul 04 j 16:05 | 4°♁40'10 | 0°-27'-18 |
| min. Earth dist. | -614 Jun 03 j 19:53 | 5°♂43'10 | 18.43578 AU | | min. Earth dist. | -607 Jul 03 j 15:32 | 4°♁42'38 | 18.82825 AU |
| direct | -614 Aug 20 j 10:50 | 3°♂42'07 | | | direct | -607 Sep 18 j 22:39 | 2°♁42'50 | |
| | | | | | | | | |
| conjunction | -614 Dec 05 j 17:47 | 7°♂47'05 | 0°-5'-20 | | conjunction | -606 Jan 02 j 19:29 | 6°♁39'20 | 0°-25'-58 |
| minimum elong | -614 Dec 05 j 17:47 | 7°♂47'05 | 0°05'22 | | minimum elong | -606 Jan 02 j 19:29 | 6°♁39'20 | 0°26'00 |
| behind sun begin | -614 Dec 05 j 11:28 | 7°♂46'10 | | | max. Earth dist. | -606 Jan 03 j 21:51 | 6°♁43'11 | 20.85120 AU |
| behind sun end | -614 Dec 06 j 00:06 | 7°♂48'00 | | | retrograde | -606 Apr 22 j 03:37 | 10°♁42'08 | |
| max. Earth dist. | -614 Dec 06 j 12:25 | 7°♂49'51 | 20.46837 AU | | min. Earth dist. | -606 Jul 08 j 00:47 | 8°♁45'35 | 18.87406 AU |
| retrograde | -613 Mar 23 j 23:48 | 11°♂54'04 | | | opposition | -606 Jul 09 j 03:08 | 8°♁42'57 | 0°-30'-7 |
| min. Earth dist. | -613 Jun 08 j 11:57 | 9°♂56'35 | 18.50029 AU | | direct | -606 Sep 23 j 08:29 | 6°♁45'51 | |
| opposition | -613 Jun 09 j 06:37 | 9°♂54'42 | 0°-7'-39 | | | | | |
| direct | -613 Aug 25 j 00:18 | 7°♂55'50 | | | conjunction | -605 Jan 07 j 00:56 | 10°♁41'29 | 0°-28'-27 |
| | | | | | minimum elong | -605 Jan 07 j 00:56 | 10°♁41'29 | 0°28'28 |
| conjunction | -613 Dec 10 j 02:34 | 11°♂59'24 | 0°-8'-33 | | max. Earth dist. | -605 Jan 08 j 03:56 | 10°♁45'25 | 20.89555 AU |
| minimum elong | -613 Dec 10 j 02:33 | 11°♂59'24 | 0°08'34 | | retrograde | -605 Apr 26 j 11:31 | 14°♁43'56 | |
| behind sun begin | -613 Dec 09 j 20:50 | 11°♂58'34 | | | min. Earth dist. | -605 Jul 12 j 11:59 | 12°♁47'24 | 18.91702 AU |
| behind sun end | -613 Dec 10 j 08:17 | 12°♂00'14 | | | opposition | -605 Jul 13 j 13:50 | 12°♁44'49 | 0°-32'-47 |
| max. Earth dist. | -613 Dec 10 j 22:46 | 12°♂02'25 | 20.53143 AU | | direct | -605 Sep 27 j 15:22 | 10°♁47'58 | |
| retrograde | -612 Mar 27 j 12:36 | 16°♂05'40 | | | | | | |
| opposition | -612 Jun 12 j 22:06 | 14°♂06'22 | 0°-11'-11 | | conjunction | -604 Jan 11 j 06:12 | 14°♁42'49 | 0°-30'-47 |
| min. Earth dist. | -612 Jun 12 j 01:26 | 14°♂08'27 | 18.56179 AU | | minimum elong | -604 Jan 11 j 06:12 | 14°♁42'48 | 0°30'49 |
| direct | -612 Aug 28 j 15:04 | 12°♂07'48 | | | max. Earth dist. | -604 Jan 12 j 09:54 | 14°♁46'50 | 20.93693 AU |
| | | | | | retrograde | -604 Apr 29 j 22:01 | 18°♁44'56 | |
| conjunction | -612 Dec 13 j 10:44 | 16°♂10'01 | 0°-11'-42 | | opposition | -604 Jul 16 j 23:49 | 16°♁45'54 | 0°-35'-16 |
| minimum elong | -612 Dec 13 j 10:44 | 16°♂10'01 | 0°11'43 | | min. Earth dist. | -604 Jul 15 j 20:36 | 16°♁48'37 | 18.95661 AU |
| behind sun begin | -612 Dec 13 j 06:03 | 16°♂09'20 | | | direct | -604 Oct 01 j 00:32 | 14°♁49'17 | |
| behind sun end | -612 Dec 13 j 15:26 | 16°♂10'42 | | | | | | |
| max. Earth dist. | -612 Dec 14 j 07:36 | 16°♂13'06 | 20.59134 AU | | conjunction | -603 Jan 14 j 11:22 | 18°♁43'27 | 0°-32'-58 |
| retrograde | -611 Mar 31 j 23:35 | 20°♂15'35 | | | minimum elong | -603 Jan 14 j 11:22 | 18°♁43'27 | 0°32'59 |
| opposition | -611 Jun 17 j 12:46 | 18°♂16'18 | 0°-14'-39 | | max. Earth dist. | -603 Jan 15 j 15:19 | 18°♁47'29 | 20.97453 AU |
| min. Earth dist. | -611 Jun 16 j 16:05 | 18°♂18'22 | 18.62030 AU | | retrograde | -603 May 04 j 05:46 | 22°♁45'19 | |
| direct | -611 Sep 02 j 03:09 | 16°♂17'59 | | | min. Earth dist. | -603 Jul 20 j 07:07 | 20°♁48'58 | 18.99227 AU |
| | | | | | opposition | -603 Jul 21 j 09:20 | 20°♁46'21 | 0°-37'-34 |
| conjunction | -611 Dec 17 j 18:20 | 20°♂18'55 | 0°-14'-46 | | direct | -603 Oct 05 j 06:13 | 18°♁49'57 | |
| minimum elong | -611 Dec 17 j 18:21 | 20°♂18'55 | 0°14'48 | | | | | |
| behind sun begin | -611 Dec 17 j 15:32 | 20°♂18'31 | | | conjunction | -602 Jan 18 j 16:30 | 22°♁43'31 | 0°-34'-58 |
| behind sun end | -611 Dec 17 j 21:09 | 20°♂19'19 | | | minimum elong | -602 Jan 18 j 16:30 | 22°♁43'31 | 0°35'00 |
| max. Earth dist. | -611 Dec 18 j 16:36 | 20°♂22'12 | 20.64839 AU | | max. Earth dist. | -602 Jan 19 j 20:37 | 22°♁47'34 | 21.00808 AU |
| retrograde | -610 Apr 05 j 11:22 | 24°♂23'48 | | | retrograde | -602 May 08 j 15:31 | 26°♁45'11 | |
| min. Earth dist. | -610 Jun 21 j 03:56 | 22°♂26'48 | 18.67592 AU | | opposition | -602 Jul 25 j 18:25 | 24°♁46'16 | 0°-39'-42 |
| opposition | -610 Jun 22 j 02:38 | 22°♂24'32 | 0°-18'00 | | min. Earth dist. | -602 Jul 24 j 15:16 | 24°♁48'59 | 19.02351 AU |
| direct | -610 Sep 06 j 16:10 | 20°♂26'28 | | | direct | -602 Oct 09 j 14:29 | 22°♁50'03 | |
| | | | | | | | | |
| conjunction | -610 Dec 22 j 01:10 | 24°♂26'08 | 0°-17'-45 | | conjunction | -601 Jan 22 j 21:30 | 26°♁43'06 | 0°-36'-49 |
| minimum elong | -610 Dec 22 j 01:10 | 24°♂26'08 | 0°17'46 | | minimum elong | -601 Jan 22 j 21:30 | 26°♁43'06 | 0°36'51 |
| max. Earth dist. | -610 Dec 23 j 00:20 | 24°♂29'33 | 20.70261 AU | | max. Earth dist. | -601 Jan 24 j 01:30 | 26°♁47'08 | 21.03676 AU |
| retrograde | -609 Apr 09 j 20:45 | 28°♂30'26 | | | | -601 Mar 30 j 13:50 | 0°≈ | |
| opposition | -609 Jun 26 j 15:58 | 26°♂31'09 | 0°-21'-14 | | retrograde | -601 May 12 j 23:14 | 0°≈44'38 | |
| min. Earth dist. | -609 Jun 25 j 17:14 | 26°♂33'26 | 18.72905 AU | | | -601 Jun 26 j 14:26 | 30°♁♁ | |
| direct | -609 Sep 11 j 02:50 | 24°♂33'19 | | | min. Earth dist. | -601 Jul 29 j 01:28 | 28°♁48'19 | 19.04967 AU |
| | | | | | opposition | -601 Jul 30 j 03:17 | 28°♁45'44 | 0°-41'-38 |
| conjunction | -609 Dec 26 j 07:43 | 28°♂31'51 | 0°-20'-37 | | direct | -601 Oct 13 j 19:55 | 26°♁49'40 | |
| minimum elong | -609 Dec 26 j 07:43 | 28°♂31'51 | 0°20'39 | | | -600 Jan 14 j 19:02 | 0°≈ | |
| max. Earth dist. | -609 Dec 27 j 08:14 | 28°♂35'27 | 20.75454 AU | | | | | |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 21

Attention, astronomical year style is used: The year -600 in astronomical counting style is the year 601 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|---------------------|-------------|------------------|---------------------|---------------------|-------------|
| conjunction | -600 Jan 27 j 02:45 | 0° \approx 42'16 | 0°-38'-29 | direct | -593 Nov 14 j 13:57 | 28° \approx 33'14 | |
| minimum elong | -600 Jan 27 j 02:45 | 0° \approx 42'16 | 0°38'29 | | -592 Jan 13 j 06:10 | 0° \approx | |
| max. Earth dist. | -600 Jan 28 j 06:22 | 0° \approx 46'14 | 21.06024 AU | | | | |
| retrograde | -600 May 16 j 08:14 | 4° \approx 43'40 | | conjunction | -592 Feb 27 j 23:39 | 2° \approx 25'16 | 0°-44'-32 |
| min. Earth dist. | -600 Aug 01 j 09:10 | 2° \approx 47'24 | 19.07031 AU | minimum elong | -592 Feb 27 j 23:39 | 2° \approx 25'16 | 0°44'33 |
| opposition | -600 Aug 02 j 11:26 | 2° \approx 44'47 | 0°-43'-21 | max. Earth dist. | -592 Feb 28 j 21:49 | 2° \approx 28'25 | 21.06058 AU |
| direct | -600 Oct 17 j 03:02 | 0° \approx 48'47 | | retrograde | -592 Jun 17 j 22:54 | 6° \approx 27'22 | |
| | | | | opposition | -592 Sep 03 j 18:36 | 4° \approx 27'42 | 0°-49'-7 |
| conjunction | -599 Jan 30 j 08:00 | 4° \approx 41'02 | 0°-39'-57 | min. Earth dist. | -592 Sep 02 j 22:25 | 4° \approx 29'44 | 19.05206 AU |
| minimum elong | -599 Jan 30 j 08:00 | 4° \approx 41'02 | 0°39'58 | direct | -592 Nov 17 j 18:52 | 2° \approx 31'12 | |
| max. Earth dist. | -599 Jan 31 j 10:59 | 4° \approx 44'54 | 21.07787 AU | | | | |
| retrograde | -599 May 20 j 15:31 | 8° \approx 42'21 | | conjunction | -591 Mar 03 j 06:31 | 6° \approx 23'37 | 0°-44'-21 |
| opposition | -599 Aug 06 j 19:29 | 6° \approx 43'24 | 0°-44'-52 | minimum elong | -591 Mar 03 j 06:31 | 6° \approx 23'37 | 0°44'21 |
| min. Earth dist. | -599 Aug 05 j 18:50 | 6° \approx 45'52 | 19.08503 AU | max. Earth dist. | -591 Mar 04 j 03:47 | 6° \approx 26'38 | 21.04178 AU |
| direct | -599 Oct 21 j 08:12 | 4° \approx 47'27 | | retrograde | -591 Jun 22 j 06:20 | 10° \approx 26'04 | |
| | | | | min. Earth dist. | -591 Sep 07 j 06:36 | 8° \approx 28'12 | 19.03133 AU |
| conjunction | -598 Feb 03 j 13:09 | 8° \approx 39'24 | 0°-41'-13 | opposition | -591 Sep 08 j 00:55 | 8° \approx 26'20 | 0°-48'-48 |
| minimum elong | -598 Feb 03 j 13:09 | 8° \approx 39'24 | 0°41'14 | direct | -591 Nov 21 j 22:40 | 6° \approx 29'46 | |
| max. Earth dist. | -598 Feb 04 j 15:33 | 8° \approx 43'10 | 21.08978 AU | | | | |
| retrograde | -598 May 24 j 23:52 | 12° \approx 40'39 | | conjunction | -590 Mar 07 j 13:45 | 10° \approx 22'38 | 0°-43'-57 |
| min. Earth dist. | -598 Aug 10 j 02:04 | 10° \approx 44'08 | 19.09407 AU | minimum elong | -590 Mar 07 j 13:45 | 10° \approx 22'38 | 0°43'58 |
| opposition | -598 Aug 11 j 03:03 | 10° \approx 41'38 | 0°-46'-10 | max. Earth dist. | -590 Mar 08 j 09:44 | 10° \approx 25'28 | 21.01924 AU |
| direct | -598 Oct 25 j 14:42 | 8° \approx 45'39 | | retrograde | -590 Jun 26 j 16:37 | 14° \approx 25'32 | |
| | | | | opposition | -590 Sep 12 j 07:13 | 12° \approx 25'45 | 0°-48'-15 |
| conjunction | -597 Feb 07 j 18:26 | 12° \approx 37'22 | 0°-42'-18 | min. Earth dist. | -590 Sep 11 j 13:19 | 12° \approx 27'34 | 19.00671 AU |
| minimum elong | -597 Feb 07 j 18:26 | 12° \approx 37'22 | 0°42'19 | direct | -590 Nov 26 j 03:58 | 10° \approx 29'03 | |
| max. Earth dist. | -597 Feb 08 j 20:15 | 12° \approx 41'03 | 21.09607 AU | | | | |
| | -597 Mar 24 j 06:23 | 15° \approx | | conjunction | -589 Mar 11 j 21:45 | 14° \approx 22'30 | 0°-43'-20 |
| retrograde | -597 May 29 j 06:36 | 16° \approx 38'37 | | minimum elong | -589 Mar 11 j 21:45 | 14° \approx 22'30 | 0°43'22 |
| | -597 Aug 06 j 20:40 | 15° \approx | | max. Earth dist. | -589 Mar 12 j 16:32 | 14° \approx 25'10 | 20.99249 AU |
| min. Earth dist. | -597 Aug 14 j 11:00 | 14° \approx 41'49 | 19.09781 AU | retrograde | -589 Jul 01 j 00:54 | 18° \approx 25'53 | |
| opposition | -597 Aug 15 j 10:20 | 14° \approx 39'29 | 0°-47'-14 | opposition | -589 Sep 16 j 13:36 | 16° \approx 26'02 | 0°-47'-28 |
| direct | -597 Oct 29 j 19:13 | 12° \approx 43'27 | | min. Earth dist. | -589 Sep 15 j 21:56 | 16° \approx 27'38 | 18.97775 AU |
| | -596 Jan 14 j 11:16 | 15° \approx | | direct | -589 Nov 30 j 07:58 | 14° \approx 29'13 | |
| | | | | | | | |
| conjunction | -596 Feb 11 j 23:51 | 16° \approx 35'01 | 0°-43'-10 | conjunction | -588 Mar 15 j 06:25 | 18° \approx 23'20 | 0°-42'-31 |
| minimum elong | -596 Feb 11 j 23:51 | 16° \approx 35'01 | 0°43'11 | minimum elong | -588 Mar 15 j 06:25 | 18° \approx 23'20 | 0°42'32 |
| max. Earth dist. | -596 Feb 13 j 01:02 | 16° \approx 38'37 | 21.09746 AU | max. Earth dist. | -588 Mar 15 j 23:19 | 18° \approx 25'44 | 20.96137 AU |
| retrograde | -596 Jun 01 j 15:11 | 20° \approx 36'19 | | retrograde | -588 Jul 04 j 12:03 | 22° \approx 27'16 | |
| opposition | -596 Aug 18 j 17:09 | 18° \approx 37'03 | 0°-48'-4 | opposition | -588 Sep 19 j 20:07 | 20° \approx 27'20 | 0°-46'-26 |
| min. Earth dist. | -596 Aug 17 j 17:37 | 18° \approx 39'25 | 19.09681 AU | min. Earth dist. | -588 Sep 19 j 05:21 | 20° \approx 28'51 | 18.94419 AU |
| direct | -596 Nov 02 j 01:06 | 16° \approx 40'56 | | direct | -588 Dec 03 j 13:59 | 18° \approx 30'21 | |
| | | | | | | | |
| conjunction | -595 Feb 15 j 05:23 | 20° \approx 32'29 | 0°-43'-49 | conjunction | -587 Mar 19 j 15:41 | 22° \approx 25'13 | 0°-41'-28 |
| minimum elong | -595 Feb 15 j 05:23 | 20° \approx 32'29 | 0°43'50 | minimum elong | -587 Mar 19 j 15:41 | 22° \approx 25'13 | 0°41'30 |
| max. Earth dist. | -595 Feb 16 j 05:58 | 20° \approx 35'59 | 21.09411 AU | max. Earth dist. | -587 Mar 20 j 06:58 | 22° \approx 27'24 | 20.92525 AU |
| retrograde | -595 Jun 05 j 21:26 | 24° \approx 33'52 | | retrograde | -587 Jul 08 j 20:55 | 26° \approx 29'42 | |
| opposition | -595 Aug 22 j 23:45 | 22° \approx 34'29 | 0°-48'-41 | opposition | -587 Sep 24 j 02:56 | 24° \approx 29'41 | 0°-45'-10 |
| min. Earth dist. | -595 Aug 22 j 01:51 | 22° \approx 36'42 | 19.09139 AU | min. Earth dist. | -587 Sep 23 j 14:33 | 24° \approx 30'58 | 18.90555 AU |
| direct | -595 Nov 06 j 04:59 | 20° \approx 38'17 | | direct | -587 Dec 07 j 18:31 | 22° \approx 32'30 | |
| | | | | | | | |
| conjunction | -594 Feb 19 j 11:10 | 24° \approx 29'53 | 0°-44'-16 | conjunction | -586 Mar 24 j 01:37 | 26° \approx 28'10 | 0°-40'-13 |
| minimum elong | -594 Feb 19 j 11:10 | 24° \approx 29'53 | 0°44'18 | minimum elong | -586 Mar 24 j 01:37 | 26° \approx 28'10 | 0°40'14 |
| max. Earth dist. | -594 Feb 20 j 11:01 | 24° \approx 33'17 | 21.08679 AU | max. Earth dist. | -586 Mar 24 j 14:36 | 26° \approx 30'01 | 20.88428 AU |
| retrograde | -594 Jun 10 j 06:37 | 28° \approx 31'27 | | | -586 Jun 06 j 06:19 | 0° \approx | |
| min. Earth dist. | -594 Aug 26 j 08:06 | 26° \approx 34'10 | 19.08209 AU | retrograde | -586 Jul 13 j 08:48 | 0° \approx 33'15 | |
| opposition | -594 Aug 27 j 06:09 | 26° \approx 31'57 | 0°-49'-4 | | -586 Aug 19 j 22:19 | 30° \approx | |
| direct | -594 Nov 10 j 10:12 | 24° \approx 35'39 | | opposition | -586 Sep 28 j 09:51 | 28° \approx 33'06 | 0°-43'-40 |
| | | | | min. Earth dist. | -586 Sep 27 j 22:36 | 28° \approx 34'16 | 18.86206 AU |
| conjunction | -593 Feb 23 j 17:08 | 28° \approx 27'25 | 0°-44'-30 | direct | -586 Dec 12 j 01:24 | 26° \approx 35'38 | |
| minimum elong | -593 Feb 23 j 17:08 | 28° \approx 27'25 | 0°44'31 | | -585 Mar 19 j 02:55 | 0° \approx | |
| max. Earth dist. | -593 Feb 24 j 16:21 | 28° \approx 30'43 | 21.07551 AU | | | | |
| | -593 Mar 23 j 12:03 | 0° \approx | | conjunction | -585 Mar 28 j 12:12 | 0° \approx 32'12 | 0°-38'-45 |
| retrograde | -593 Jun 14 j 13:16 | 2° \approx 29'13 | | minimum elong | -585 Mar 28 j 12:12 | 0° \approx 32'12 | 0°38'47 |
| opposition | -593 Aug 31 j 12:33 | 0° \approx 29'38 | 0°-49'-12 | max. Earth dist. | -585 Mar 28 j 23:31 | 0° \approx 33'49 | 20.83836 AU |
| min. Earth dist. | -593 Aug 30 j 16:12 | 0° \approx 31'41 | 19.06892 AU | retrograde | -585 Jul 17 j 18:28 | 4° \approx 37'53 | |
| | -593 Sep 12 j 20:40 | 30° \approx | | opposition | -585 Oct 02 j 17:04 | 2° \approx 37'35 | 0°-41'-57 |

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Attention, astronomical year style is used: The year -585 in astronomical counting style is the year 586 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|---------------------|---------------------|-----------|-------------|
| min. Earth dist. | -585 Oct 02 j 08:15 | 2°♃38'30 | 18.81378 AU | min. Earth dist. | -577 Nov 04 j 18:37 | 5°♃59'53 | 18.33481 AU |
| direct | -585 Dec 16 j 06:46 | 0°♃39'49 | | direct | -576 Jan 18 j 04:40 | 3°♃59'44 | |
| conjunction | -584 Mar 31 j 23:28 | 4°♃37'19 | 0°-37'-5 | conjunction | -576 May 05 j 20:00 | 8°♃07'20 | 0°-17'-23 |
| minimum elong | -584 Mar 31 j 23:28 | 4°♃37'19 | 0°37'06 | minimum elong | -576 May 05 j 20:00 | 8°♃07'20 | 0°17'23 |
| max. Earth dist. | -584 Apr 01 j 08:20 | 4°♃38'35 | 20.78813 AU | max. Earth dist. | -576 May 05 j 13:15 | 8°♃06'21 | 20.30262 AU |
| retrograde | -584 Jul 21 j 06:37 | 8°♃43'38 | | retrograde | -576 Aug 24 j 16:27 | 12°♃19'52 | |
| opposition | -584 Oct 06 j 00:18 | 6°♃43'09 | 0°-40'00 | opposition | -576 Nov 08 j 01:29 | 10°♃18'14 | 0°-17'-31 |
| min. Earth dist. | -584 Oct 05 j 16:45 | 6°♃43'56 | 18.76154 AU | min. Earth dist. | -576 Nov 08 j 07:21 | 10°♃17'37 | 18.26986 AU |
| direct | -584 Dec 19 j 14:26 | 4°♃45'03 | | direct | -575 Jan 21 j 16:41 | 8°♃17'18 | |
| conjunction | -583 Apr 05 j 11:22 | 8°♃43'34 | 0°-35'-13 | conjunction | -575 May 10 j 14:38 | 12°♃26'28 | 0°-14'-16 |
| minimum elong | -583 Apr 05 j 11:22 | 8°♃43'34 | 0°35'14 | minimum elong | -575 May 10 j 14:38 | 12°♃26'28 | 0°14'17 |
| max. Earth dist. | -583 Apr 05 j 18:47 | 8°♃44'38 | 20.73409 AU | behind sun begin | -575 May 10 j 11:41 | 12°♃26'03 | |
| retrograde | -583 Jul 25 j 17:23 | 12°♃50'33 | | behind sun end | -575 May 10 j 17:35 | 12°♃26'53 | |
| opposition | -583 Oct 10 j 07:59 | 10°♃49'53 | 0°-37'-50 | max. Earth dist. | -575 May 10 j 06:48 | 12°♃25'20 | 20.23718 AU |
| min. Earth dist. | -583 Oct 10 j 02:38 | 10°♃50'26 | 18.70589 AU | -575 Jun 26 j 00:09 | 15°♃ | | |
| direct | -583 Dec 23 j 20:53 | 8°♃51'25 | | retrograde | -575 Aug 29 j 08:28 | 16°♃39'51 | |
| conjunction | -582 Apr 09 j 23:46 | 12°♃51'01 | 0°-33'-10 | -575 Nov 03 j 23:39 | 15°♃ | | |
| minimum elong | -582 Apr 09 j 23:46 | 12°♃51'01 | 0°33'11 | opposition | -575 Nov 12 j 13:17 | 14°♃38'11 | 0°-14'00 |
| max. Earth dist. | -582 Apr 10 j 04:48 | 12°♃51'44 | 20.67718 AU | min. Earth dist. | -575 Nov 12 j 20:57 | 14°♃37'21 | 18.20394 AU |
| retrograde | -582 Jul 30 j 06:01 | 16°♃58'43 | | direct | -574 Jan 26 j 05:11 | 12°♃36'54 | |
| opposition | -582 Oct 14 j 15:56 | 14°♃57'50 | 0°-35'-29 | -574 Apr 14 j 04:09 | 15°♃ | | |
| min. Earth dist. | -582 Oct 14 j 11:48 | 14°♃58'16 | 18.64770 AU | conjunction | -574 May 15 j 09:59 | 16°♃47'37 | 0°-11'-2 |
| direct | -582 Dec 28 j 05:04 | 12°♃59'00 | | minimum elong | -574 May 15 j 09:59 | 16°♃47'37 | 0°11'02 |
| conjunction | -581 Apr 14 j 13:10 | 16°♃59'46 | 0°-30'-56 | behind sun begin | -574 May 15 j 04:59 | 16°♃46'53 | |
| minimum elong | -581 Apr 14 j 13:10 | 16°♃59'46 | 0°30'56 | behind sun end | -574 May 15 j 14:59 | 16°♃48'20 | |
| max. Earth dist. | -581 Apr 14 j 16:56 | 17°♃00'19 | 20.61782 AU | max. Earth dist. | -574 May 14 j 22:48 | 16°♃45'58 | 20.17082 AU |
| retrograde | -581 Aug 03 j 18:03 | 21°♃08'11 | | retrograde | -574 Sep 03 j 01:14 | 21°♃01'53 | |
| opposition | -581 Oct 19 j 00:12 | 19°♃07'08 | 0°-32'-55 | opposition | -574 Nov 17 j 01:50 | 19°♃00'06 | 0°-10'-22 |
| min. Earth dist. | -581 Oct 18 j 22:08 | 19°♃07'21 | 18.58737 AU | min. Earth dist. | -574 Nov 17 j 11:33 | 18°♃59'04 | 18.13710 AU |
| direct | -580 Jan 01 j 13:04 | 17°♃07'56 | | direct | -573 Jan 30 j 19:12 | 16°♃58'27 | |
| conjunction | -580 Apr 18 j 03:15 | 21°♃09'56 | 0°-28'-32 | conjunction | -573 May 20 j 06:35 | 21°♃10'45 | 0°-7'-44 |
| minimum elong | -580 Apr 18 j 03:15 | 21°♃09'56 | 0°28'33 | minimum elong | -573 May 20 j 06:35 | 21°♃10'45 | 0°07'45 |
| max. Earth dist. | -580 Apr 18 j 04:25 | 21°♃10'06 | 20.55678 AU | behind sun begin | -573 May 20 j 00:29 | 21°♃09'52 | |
| retrograde | -580 Aug 07 j 07:15 | 25°♃19'07 | | behind sun end | -573 May 20 j 12:40 | 21°♃11'37 | |
| opposition | -580 Oct 22 j 08:58 | 23°♃17'54 | 0°-30'-10 | max. Earth dist. | -573 May 19 j 18:12 | 21°♃08'55 | 20.10337 AU |
| min. Earth dist. | -580 Oct 22 j 08:07 | 23°♃17'59 | 18.52562 AU | retrograde | -573 Sep 07 j 18:34 | 25°♃25'50 | |
| direct | -579 Jan 04 j 21:48 | 21°♃18'20 | | opposition | -573 Nov 21 j 15:01 | 23°♃23'58 | 0°-6'-39 |
| conjunction | -579 Apr 22 j 18:04 | 25°♃21'38 | 0°-25'-57 | min. Earth dist. | -573 Nov 22 j 02:23 | 23°♃22'45 | 18.06918 AU |
| minimum elong | -579 Apr 22 j 18:04 | 25°♃21'38 | 0°25'58 | direct | -572 Feb 04 j 09:48 | 21°♃21'55 | |
| max. Earth dist. | -579 Apr 22 j 18:09 | 25°♃21'39 | 20.49435 AU | conjunction | -572 May 24 j 03:50 | 25°♃35'47 | 0°-4'-22 |
| retrograde | -579 Aug 11 j 20:37 | 29°♃31'37 | | minimum elong | -572 May 24 j 03:49 | 25°♃35'47 | 0°04'22 |
| opposition | -579 Oct 26 j 18:17 | 27°♃30'16 | 0°-27'-15 | behind sun begin | -572 May 23 j 21:09 | 25°♃34'49 | |
| min. Earth dist. | -579 Oct 26 j 19:13 | 27°♃30'10 | 18.46269 AU | behind sun end | -572 May 24 j 10:29 | 25°♃36'45 | |
| direct | -578 Jan 09 j 07:32 | 25°♃30'21 | | max. Earth dist. | -572 May 23 j 12:00 | 25°♃33'26 | 20.03518 AU |
| conjunction | -578 Apr 27 j 09:44 | 29°♃35'01 | 0°-23'-14 | retrograde | -572 Sep 11 j 12:17 | 29°♃51'42 | |
| minimum elong | -578 Apr 27 j 09:44 | 29°♃35'01 | 0°23'16 | opposition | -572 Nov 25 j 05:03 | 27°♃49'43 | 0°-2'-52 |
| max. Earth dist. | -578 Apr 27 j 07:05 | 29°♃34'38 | 20.43116 AU | min. Earth dist. | -572 Nov 25 j 18:32 | 27°♃48'16 | 18.00087 AU |
| retrograde | -578 May 04 j 13:07 | 0°♃ | | direct | -571 Feb 08 j 01:29 | 25°♃47'14 | |
| opposition | -578 Aug 16 j 10:29 | 3°♃45'50 | | max. Earth dist. | -571 May 28 j 09:08 | 0°♂00'11 | 19.96678 AU |
| opposition | -578 Oct 31 j 04:02 | 1°♃44'21 | 0°-24'-9 | -571 May 28 j 07:52 | 0°♂ | | |
| min. Earth dist. | -578 Oct 31 j 06:21 | 1°♃44'07 | 18.39915 AU | conjunction | -571 May 29 j 01:49 | 0°♂02'40 | 0°00'-53 |
| direct | -577 Jan 13 j 17:35 | 30°♃ | | minimum elong | -571 May 29 j 01:47 | 0°♂02'40 | 0°00'54 |
| conjunction | -577 May 02 j 02:29 | 3°♃50'13 | 0°-20'-22 | behind sun begin | -571 May 28 j 19:00 | 0°♂01'41 | |
| minimum elong | -577 May 02 j 02:29 | 3°♃50'13 | 0°20'23 | behind sun end | -571 May 29 j 08:34 | 0°♂03'39 | |
| max. Earth dist. | -577 May 01 j 22:46 | 3°♃49'41 | 20.36722 AU | asc. node | -571 Aug 30 j 04:27 | 4°♂11'32 | |
| retrograde | -577 Aug 21 j 01:17 | 8°♃01'52 | | retrograde | -571 Sep 16 j 07:04 | 4°♂19'22 | |
| opposition | -577 Nov 04 j 14:29 | 6°♃00'19 | 0°-20'-55 | opposition | -571 Nov 29 j 19:42 | 2°♂17'16 | 0°00'57 |
| | | | | min. Earth dist. | -571 Nov 30 j 10:22 | 2°♂15'41 | 17.93259 AU |
| | | | | direct | -570 Feb 12 j 18:13 | 0°♂14'22 | |
| | | | | max. Earth dist. | -570 Jun 02 j 04:48 | 4°♂28'23 | 19.89888 AU |

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Attention, astronomical year style is used: The year -570 in astronomical counting style is the year 571 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|------------|-------------|------------------|---------------------|-----------|-------------|
| conjunction | -570 Jun 03 j 00:31 | 4°II31'20 | 0°02'40 | conjunction | -563 Jul 06 j 09:19 | 6°♄39'46 | 0°25'41 |
| minimum elong | -570 Jun 03 j 00:30 | 4°II31'20 | 0°02'39 | minimum elong | -563 Jul 06 j 09:19 | 6°♄39'46 | 0°25'41 |
| behind sun begin | -570 Jun 02 j 17:43 | 4°II30'21 | | retrograde | -563 Oct 23 j 08:22 | 11°♄01'43 | |
| behind sun end | -570 Jun 03 j 07:17 | 4°II32'20 | | opposition | -562 Jan 04 j 19:19 | 8°♄59'15 | 0°30'12 |
| retrograde | -570 Sep 21 j 01:28 | 8°II48'49 | | min. Earth dist. | -562 Jan 05 j 17:37 | 8°♄56'48 | 17.47892 AU |
| opposition | -570 Dec 04 j 11:00 | 6°II46'36 | 0°04'48 | direct | -562 Mar 21 j 10:00 | 6°♄53'39 | |
| min. Earth dist. | -570 Dec 05 j 03:47 | 6°II44'47 | 17.86533 AU | max. Earth dist. | -562 Jul 10 j 09:29 | 11°♄17'37 | 19.45895 AU |
| direct | -569 Feb 17 j 11:12 | 4°II43'14 | | | | | |
| max. Earth dist. | -569 Jun 07 j 03:48 | 8°II58'43 | 19.83229 AU | conjunction | -562 Jul 11 j 12:46 | 11°♄21'51 | 0°28'33 |
| | | | | minimum elong | -562 Jul 11 j 12:46 | 11°♄21'51 | 0°28'34 |
| conjunction | -569 Jun 08 j 00:07 | 9°II01'46 | 0°06'07 | retrograde | -562 Oct 28 j 06:14 | 15°♄44'15 | |
| minimum elong | -569 Jun 08 j 00:07 | 9°II01'46 | 0°06'08 | opposition | -561 Jan 09 j 16:46 | 13°♄41'51 | 0°33'19 |
| behind sun begin | -569 Jun 07 j 17:41 | 9°II00'50 | | min. Earth dist. | -561 Jan 10 j 16:42 | 13°♄39'14 | 17.44068 AU |
| behind sun end | -569 Jun 08 j 06:33 | 9°II02'43 | | direct | -561 Mar 26 j 09:09 | 11°♄36'06 | |
| retrograde | -569 Sep 25 j 22:02 | 13°II19'58 | | | | | |
| opposition | -569 Dec 09 j 03:01 | 11°II17'39 | 0°08'39 | conjunction | -561 Jul 16 j 16:32 | 16°♄05'21 | 0°31'14 |
| min. Earth dist. | -569 Dec 09 j 20:34 | 11°II15'44 | 17.79964 AU | minimum elong | -561 Jul 16 j 16:32 | 16°♄05'21 | 0°31'15 |
| direct | -568 Feb 22 j 05:56 | 9°II13'52 | | max. Earth dist. | -561 Jul 15 j 12:17 | 16°♄00'58 | 19.42279 AU |
| max. Earth dist. | -568 Jun 11 j 01:19 | 13°II30'28 | 19.76767 AU | retrograde | -561 Nov 02 j 06:42 | 20°♄28'09 | |
| | | | | opposition | -560 Jan 14 j 14:58 | 18°♄25'49 | 0°36'13 |
| conjunction | -568 Jun 12 j 00:06 | 13°II33'54 | 0°09'33 | min. Earth dist. | -560 Jan 15 j 14:27 | 18°♄23'15 | 17.40660 AU |
| minimum elong | -568 Jun 12 j 00:06 | 13°II33'54 | 0°09'33 | direct | -560 Mar 30 j 11:01 | 16°♄19'54 | |
| behind sun begin | -568 Jun 11 j 18:31 | 13°II33'05 | | | | | |
| behind sun end | -568 Jun 12 j 05:41 | 13°II34'44 | | conjunction | -560 Jul 20 j 20:30 | 20°♄50'06 | 0°33'44 |
| retrograde | -568 Sep 29 j 17:11 | 17°II52'50 | | minimum elong | -560 Jul 20 j 20:30 | 20°♄50'06 | 0°33'44 |
| opposition | -568 Dec 12 j 19:51 | 15°II50'24 | 0°12'28 | max. Earth dist. | -560 Jul 19 j 16:32 | 20°♄45'44 | 19.39060 AU |
| min. Earth dist. | -568 Dec 13 j 15:18 | 15°II48'17 | 17.73649 AU | retrograde | -560 Nov 06 j 05:31 | 25°♄13'12 | |
| direct | -567 Feb 26 j 00:01 | 13°II46'12 | | opposition | -559 Jan 18 j 14:03 | 23°♄10'55 | 0°38'53 |
| max. Earth dist. | -567 Jun 16 j 01:45 | 18°II04'13 | 19.70599 AU | min. Earth dist. | -559 Jan 19 j 14:45 | 23°♄08'13 | 17.37651 AU |
| | | | | direct | -559 Apr 04 j 12:26 | 21°♄04'51 | |
| conjunction | -567 Jun 17 j 00:52 | 18°II07'44 | 0°12'57 | max. Earth dist. | -559 Jul 24 j 19:29 | 25°♄31'16 | 19.36258 AU |
| minimum elong | -567 Jun 17 j 00:52 | 18°II07'44 | 0°12'57 | | | | |
| behind sun begin | -567 Jun 16 j 20:53 | 18°II07'09 | | conjunction | -559 Jul 26 j 00:35 | 25°♄35'49 | 0°36'00 |
| behind sun end | -567 Jun 17 j 04:52 | 18°II08'20 | | minimum elong | -559 Jul 26 j 00:35 | 25°♄35'49 | 0°36'01 |
| retrograde | -567 Oct 04 j 15:28 | 22°II27'20 | | retrograde | -559 Nov 11 j 06:14 | 29°♄59'09 | |
| opposition | -567 Dec 17 j 13:17 | 20°II24'49 | 0°16'14 | opposition | -558 Jan 23 j 13:25 | 27°♄56'53 | 0°41'17 |
| min. Earth dist. | -567 Dec 18 j 08:55 | 20°II22'41 | 17.67652 AU | min. Earth dist. | -558 Jan 24 j 13:36 | 27°♄54'15 | 17.35060 AU |
| direct | -566 Mar 02 j 20:14 | 18°II20'15 | | direct | -558 Apr 09 j 15:40 | 25°♄50'40 | |
| max. Earth dist. | -566 Jun 21 j 01:13 | 22°II39'26 | 19.64780 AU | | -558 Jul 25 j 06:34 | 0°♁ | |
| | | | | max. Earth dist. | -558 Jul 30 j 00:42 | 0°♁17'53 | 19.33869 AU |
| conjunction | -566 Jun 22 j 02:09 | 22°II43'15 | 0°16'17 | | | | |
| minimum elong | -566 Jun 22 j 02:09 | 22°II43'14 | 0°16'17 | conjunction | -558 Jul 31 j 04:56 | 0°♁22'18 | 0°38'02 |
| retrograde | -566 Oct 09 j 11:45 | 27°II03'29 | | minimum elong | -558 Jul 31 j 04:56 | 0°♁22'18 | 0°38'02 |
| opposition | -566 Dec 22 j 07:42 | 25°II00'56 | 0°19'54 | retrograde | -558 Nov 16 j 05:53 | 4°♁45'45 | |
| min. Earth dist. | -566 Dec 23 j 05:03 | 24°II58'36 | 17.62044 AU | opposition | -557 Jan 28 j 13:38 | 2°♁43'32 | 0°43'25 |
| direct | -565 Mar 07 j 15:40 | 22°II56'01 | | min. Earth dist. | -557 Jan 29 j 14:33 | 2°♁40'49 | 17.32888 AU |
| max. Earth dist. | -565 Jun 26 j 02:47 | 27°II16'32 | 19.59380 AU | direct | -557 Apr 14 j 17:59 | 0°♁37'10 | |
| | | | | max. Earth dist. | -557 Aug 04 j 03:49 | 5°♁04'44 | 19.31928 AU |
| conjunction | -565 Jun 27 j 04:06 | 27°II20'25 | 0°19'32 | | | | |
| minimum elong | -565 Jun 27 j 04:06 | 27°II20'25 | 0°19'32 | conjunction | -557 Aug 05 j 08:58 | 5°♁09'18 | 0°39'48 |
| | -565 Aug 12 j 12:39 | 0°♄ | | minimum elong | -557 Aug 05 j 08:58 | 5°♁09'18 | 0°39'48 |
| retrograde | -565 Oct 14 j 11:01 | 1°♄41'16 | | retrograde | -557 Nov 21 j 07:04 | 9°♁32'48 | |
| | -565 Dec 18 j 22:45 | 30°♁II | | opposition | -556 Feb 02 j 14:10 | 7°♁30'35 | 0°45'14 |
| opposition | -565 Dec 27 j 02:42 | 29°II38'42 | 0°23'28 | min. Earth dist. | -556 Feb 03 j 14:24 | 7°♁27'57 | 17.31188 AU |
| min. Earth dist. | -565 Dec 27 j 23:49 | 29°II36'24 | 17.56863 AU | direct | -556 Apr 18 j 21:54 | 5°♁24'06 | |
| direct | -564 Mar 11 j 13:18 | 27°II33'32 | | max. Earth dist. | -556 Aug 08 j 09:26 | 9°♁52'16 | 19.30471 AU |
| | -564 May 28 j 20:24 | 0°♄ | | | | | |
| max. Earth dist. | -564 Jun 30 j 04:12 | 1°♄55'13 | 19.54423 AU | conjunction | -556 Aug 09 j 12:59 | 9°♁56'36 | 0°41'17 |
| | | | | minimum elong | -556 Aug 09 j 12:59 | 9°♁56'36 | 0°41'18 |
| conjunction | -564 Jul 01 j 06:33 | 1°♄59'16 | 0°22'40 | retrograde | -556 Nov 25 j 07:09 | 14°♁20'02 | |
| minimum elong | -564 Jul 01 j 06:33 | 1°♄59'16 | 0°22'41 | opposition | -555 Feb 06 j 15:13 | 12°♁17'51 | 0°46'44 |
| retrograde | -564 Oct 18 j 08:20 | 6°♄20'42 | | min. Earth dist. | -555 Feb 07 j 15:25 | 12°♁15'13 | 17.29985 AU |
| opposition | -564 Dec 30 j 22:42 | 4°♄18'10 | 0°26'55 | direct | -555 Apr 24 j 00:39 | 10°♁11'16 | |
| min. Earth dist. | -564 Dec 31 j 21:23 | 4°♄15'41 | 17.52150 AU | | | | |
| direct | -563 Mar 16 j 10:19 | 2°♄12'45 | | conjunction | -555 Aug 14 j 16:27 | 14°♁43'57 | 0°42'29 |
| max. Earth dist. | -563 Jul 05 j 06:27 | 6°♄35'37 | 19.49942 AU | minimum elong | -555 Aug 14 j 16:27 | 14°♁43'57 | 0°42'29 |
| | | | | max. Earth dist. | -555 Aug 13 j 12:31 | 14°♁39'33 | 19.29541 AU |

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Attention, astronomical year style is used: The year -555 in astronomical counting style is the year 556 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| | -555 Aug 18 j 22:14 | 15°♈ | | conjunction | -547 Sep 22 j 03:49 | 22°♎49'31 | 0°41'17 |
| retrograde | -555 Nov 30 j 08:03 | 19°♈07'17 | | minimum elong | -547 Sep 22 j 03:49 | 22°♎49'31 | 0°41'17 |
| opposition | -554 Feb 11 j 16:30 | 17°♈05'06 | 0°47'55 | max. Earth dist. | -547 Sep 21 j 13:25 | 22°♎47'15 | 19.43805 AU |
| min. Earth dist. | -554 Feb 12 j 15:56 | 17°♈02'33 | 17.29336 AU | retrograde | -546 Jan 07 j 03:20 | 27°♎09'55 | |
| | -554 Apr 21 j 13:27 | 15°♊♈ | | opposition | -546 Mar 22 j 09:26 | 25°♎08'40 | 0°45'14 |
| direct | -554 Apr 29 j 04:44 | 14°♈58'27 | | min. Earth dist. | -546 Mar 22 j 22:25 | 25°♎07'17 | 17.45849 AU |
| | -554 May 06 j 19:32 | 15°♈ | | direct | -546 Jun 07 j 11:38 | 23°♎03'32 | |
| conjunction | -554 Aug 19 j 19:46 | 19°♈31'11 | 0°43'23 | conjunction | -546 Sep 27 j 02:24 | 27°♎31'55 | 0°39'49 |
| minimum elong | -554 Aug 19 j 19:46 | 19°♈31'11 | 0°43'24 | minimum elong | -546 Sep 27 j 02:24 | 27°♎31'55 | 0°39'49 |
| max. Earth dist. | -554 Aug 18 j 17:55 | 19°♈27'06 | 19.29174 AU | max. Earth dist. | -546 Sep 26 j 13:17 | 27°♎29'51 | 19.47950 AU |
| retrograde | -554 Dec 05 j 08:02 | 23°♈54'19 | | | -546 Nov 07 j 14:45 | 0°♊ | |
| opposition | -553 Feb 16 j 18:05 | 21°♈52'10 | 0°48'46 | retrograde | -545 Jan 12 j 02:38 | 1°♊51'41 | |
| min. Earth dist. | -553 Feb 17 j 16:38 | 21°♈49'42 | 17.29259 AU | | -545 Mar 23 j 18:35 | 30°♊ | |
| direct | -553 May 04 j 08:19 | 19°♈45'30 | | opposition | -545 Mar 27 j 11:25 | 29°♎50'35 | 0°43'27 |
| | | | | min. Earth dist. | -545 Mar 27 j 21:42 | 29°♎49'30 | 17.50164 AU |
| conjunction | -553 Aug 24 j 22:30 | 24°♈18'08 | 0°43'59 | direct | -545 Jun 12 j 15:38 | 27°♎45'46 | |
| minimum elong | -553 Aug 24 j 22:30 | 24°♈18'08 | 0°43'59 | | -545 Aug 26 j 02:46 | 0°♊ | |
| max. Earth dist. | -553 Aug 23 j 20:59 | 24°♈14'06 | 19.29411 AU | | | | |
| retrograde | -553 Dec 10 j 08:18 | 28°♈41'03 | | conjunction | -545 Oct 02 j 00:19 | 2°♊13'02 | 0°38'06 |
| opposition | -552 Feb 21 j 20:02 | 26°♈38'56 | 0°49'16 | minimum elong | -545 Oct 02 j 00:19 | 2°♊13'02 | 0°38'05 |
| min. Earth dist. | -552 Feb 22 j 17:36 | 26°♈36'35 | 17.29824 AU | max. Earth dist. | -545 Oct 01 j 13:45 | 2°♊11'23 | 19.52435 AU |
| direct | -552 May 08 j 12:13 | 24°♈32'19 | | retrograde | -544 Jan 16 j 23:32 | 6°♊32'08 | |
| max. Earth dist. | -552 Aug 28 j 01:36 | 29°♈01'04 | 19.30303 AU | opposition | -544 Mar 31 j 13:20 | 4°♊31'09 | 0°41'23 |
| | | | | min. Earth dist. | -544 Mar 31 j 22:55 | 4°♊30'09 | 17.54810 AU |
| conjunction | -552 Aug 29 j 00:43 | 29°♈04'43 | 0°44'17 | direct | -544 Jun 16 j 16:54 | 2°♊26'39 | |
| minimum elong | -552 Aug 29 j 00:43 | 29°♈04'43 | 0°44'17 | | | | |
| | -552 Sep 12 j 16:23 | 0°♎ | | conjunction | -544 Oct 05 j 21:10 | 6°♊52'41 | 0°36'08 |
| retrograde | -552 Dec 14 j 08:22 | 3°♎27'21 | | minimum elong | -544 Oct 05 j 21:10 | 6°♊52'41 | 0°36'08 |
| opposition | -551 Feb 25 j 22:06 | 1°♎25'19 | 0°49'26 | max. Earth dist. | -544 Oct 05 j 11:41 | 6°♊51'12 | 19.57241 AU |
| min. Earth dist. | -551 Feb 26 j 17:53 | 1°♎23'10 | 17.31031 AU | retrograde | -543 Jan 20 j 21:48 | 11°♊11'03 | |
| | -551 Apr 03 j 00:26 | 30°♊♈ | | opposition | -543 Apr 05 j 14:39 | 9°♊10'10 | 0°39'03 |
| direct | -551 May 13 j 16:36 | 29°♈18'50 | | min. Earth dist. | -543 Apr 05 j 21:28 | 9°♊09'27 | 17.59748 AU |
| | -551 Jun 22 j 12:43 | 0°♎ | | direct | -543 Jun 21 j 19:22 | 7°♊05'57 | |
| max. Earth dist. | -551 Sep 02 j 04:24 | 3°♎47'24 | 19.31842 AU | | | | |
| | | | | conjunction | -543 Oct 10 j 17:22 | 11°♊30'41 | 0°33'56 |
| conjunction | -551 Sep 03 j 02:30 | 3°♎50'53 | 0°44'17 | minimum elong | -543 Oct 10 j 17:22 | 11°♊30'41 | 0°33'55 |
| minimum elong | -551 Sep 03 j 02:30 | 3°♎50'53 | 0°44'16 | max. Earth dist. | -543 Oct 10 j 10:44 | 11°♊29'39 | 19.62314 AU |
| retrograde | -551 Dec 19 j 07:38 | 8°♎13'10 | | retrograde | -542 Jan 25 j 17:53 | 15°♊48'14 | |
| opposition | -550 Mar 03 j 00:12 | 6°♎11'16 | 0°49'15 | opposition | -542 Apr 10 j 15:33 | 13°♊47'27 | 0°36'28 |
| min. Earth dist. | -550 Mar 03 j 19:09 | 6°♎09'13 | 17.32895 AU | min. Earth dist. | -542 Apr 10 j 21:30 | 13°♊46'49 | 17.64949 AU |
| direct | -550 May 18 j 20:03 | 4°♎04'58 | | direct | -542 Jun 26 j 20:01 | 11°♊43'32 | |
| max. Earth dist. | -550 Sep 07 j 07:51 | 8°♎33'24 | 19.34025 AU | | | | |
| | | | | conjunction | -542 Oct 15 j 12:27 | 16°♊06'51 | 0°31'32 |
| conjunction | -550 Sep 08 j 03:49 | 8°♎36'34 | 0°43'58 | minimum elong | -542 Oct 15 j 12:27 | 16°♊06'51 | 0°31'32 |
| minimum elong | -550 Sep 08 j 03:49 | 8°♎36'34 | 0°43'58 | max. Earth dist. | -542 Oct 15 j 06:53 | 16°♊05'59 | 19.67661 AU |
| retrograde | -550 Dec 24 j 07:44 | 12°♎58'27 | | retrograde | -541 Jan 30 j 14:30 | 20°♊23'35 | |
| opposition | -549 Mar 08 j 02:29 | 10°♎56'42 | 0°48'44 | opposition | -541 Apr 15 j 15:57 | 18°♊22'50 | 0°33'41 |
| min. Earth dist. | -549 Mar 08 j 19:12 | 10°♎54'54 | 17.35360 AU | min. Earth dist. | -541 Apr 15 j 19:06 | 18°♊22'31 | 17.70426 AU |
| direct | -549 May 24 j 01:01 | 8°♎50'41 | | direct | -541 Jul 01 j 21:13 | 16°♊19'14 | |
| max. Earth dist. | -549 Sep 12 j 10:09 | 13°♎18'46 | 19.36778 AU | | | | |
| | | | | conjunction | -541 Oct 20 j 06:34 | 20°♊41'04 | 0°28'56 |
| conjunction | -549 Sep 13 j 04:24 | 13°♎21'39 | 0°43'22 | minimum elong | -541 Oct 20 j 06:34 | 20°♊41'04 | 0°28'56 |
| minimum elong | -549 Sep 13 j 04:24 | 13°♎21'39 | 0°43'23 | max. Earth dist. | -541 Oct 20 j 04:20 | 20°♊40'43 | 19.73275 AU |
| retrograde | -549 Dec 29 j 06:08 | 17°♎43'07 | | retrograde | -540 Feb 04 j 09:16 | 24°♊56'56 | |
| opposition | -548 Mar 12 j 04:57 | 15°♎41'32 | 0°47'53 | opposition | -540 Apr 19 j 15:54 | 22°♊56'14 | 0°30'41 |
| min. Earth dist. | -548 Mar 12 j 20:58 | 15°♎39'49 | 17.38387 AU | min. Earth dist. | -540 Apr 19 j 17:36 | 22°♊56'03 | 17.76176 AU |
| direct | -548 May 28 j 04:22 | 13°♎35'47 | | direct | -540 Jul 05 j 21:40 | 20°♊52'57 | |
| max. Earth dist. | -548 Sep 16 j 11:56 | 18°♎03'26 | 19.40067 AU | | | | |
| | | | | conjunction | -540 Oct 23 j 23:39 | 25°♊13'13 | 0°26'11 |
| conjunction | -548 Sep 17 j 04:25 | 18°♎06'02 | 0°42'28 | minimum elong | -540 Oct 23 j 23:39 | 25°♊13'13 | 0°26'11 |
| minimum elong | -548 Sep 17 j 04:25 | 18°♎06'02 | 0°42'28 | max. Earth dist. | -540 Oct 23 j 22:38 | 25°♊13'04 | 19.79176 AU |
| retrograde | -547 Jan 02 j 05:48 | 22°♎27'00 | | retrograde | -539 Feb 08 j 03:49 | 29°♊28'14 | |
| opposition | -547 Mar 17 j 07:07 | 20°♎25'35 | 0°46'43 | opposition | -539 Apr 24 j 14:53 | 27°♊27'34 | 0°27'32 |
| min. Earth dist. | -547 Mar 17 j 20:40 | 20°♎24'08 | 17.41903 AU | min. Earth dist. | -539 Apr 24 j 13:50 | 27°♊27'41 | 17.82227 AU |
| direct | -547 Jun 02 j 09:17 | 18°♎20'08 | | direct | -539 Jul 10 j 20:58 | 25°♊24'37 | |

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Attention, astronomical year style is used: The year -539 in astronomical counting style is the year 540 BCE in historical counting style.

| | | | | | | | | | |
|------------------|---------------------|--------------------|-------------|------------------|--|---------------------|--------------------|-------------|--|
| conjunction | -539 Oct 28 j 15:57 | 29° <u>♄</u> 43'20 | 0°23'18 | | | -532 Apr 03 j 13:06 | 30° <u>♍</u> | | |
| minimum elong | -539 Oct 28 j 15:57 | 29° <u>♄</u> 43'20 | 0°23'18 | opposition | | -532 May 26 j 14:43 | 28° <u>♍</u> 14'17 | 0°02'43 | |
| max. Earth dist. | -539 Oct 28 j 18:22 | 29° <u>♄</u> 43'42 | 19.85370 AU | min. Earth dist. | | -532 May 25 j 23:39 | 28° <u>♍</u> 15'49 | 18.29865 AU | |
| | -539 Nov 02 j 03:39 | 0° <u>♍</u> | | direct | | -532 Aug 11 j 15:35 | 26° <u>♍</u> 14'18 | | |
| retrograde | -538 Feb 12 j 21:18 | 3° <u>♍</u> 57'28 | | | | -532 Nov 21 j 06:43 | 0° <u>♁</u> | | |
| opposition | -538 Apr 29 j 13:28 | 1° <u>♍</u> 56'54 | 0°24'15 | | | | | | |
| min. Earth dist. | -538 Apr 29 j 10:32 | 1° <u>♍</u> 57'12 | 17.88556 AU | conjunction | | -532 Nov 27 j 10:08 | 0° <u>♁</u> 22'13 | 0°00'49 | |
| | -538 Jun 30 j 20:28 | 30° <u>♁</u> | | minimum elong | | -532 Nov 27 j 10:07 | 0° <u>♁</u> 22'13 | 0°00'49 | |
| direct | -538 Jul 15 j 20:08 | 29° <u>♄</u> 54'19 | | behind sun begin | | -532 Nov 27 j 03:36 | 0° <u>♁</u> 21'16 | | |
| | -538 Jul 30 j 15:25 | 0° <u>♍</u> | | behind sun end | | -532 Nov 27 j 16:39 | 0° <u>♁</u> 23'10 | | |
| | | | | max. Earth dist. | | -532 Nov 28 j 01:25 | 0° <u>♁</u> 24'31 | 20.33278 AU | |
| conjunction | -538 Nov 02 j 07:07 | 4° <u>♍</u> 11'28 | 0°20'18 | desc. node | | -531 Feb 23 j 10:47 | 4° <u>♁</u> 20'26 | | |
| minimum elong | -538 Nov 02 j 07:07 | 4° <u>♍</u> 11'28 | 0°20'17 | retrograde | | -531 Mar 15 j 09:12 | 4° <u>♁</u> 30'42 | | |
| max. Earth dist. | -538 Nov 02 j 10:47 | 4° <u>♍</u> 12'01 | 19.91841 AU | opposition | | -531 May 31 j 08:24 | 2° <u>♁</u> 31'08 | 0°00'-57 | |
| retrograde | -537 Feb 17 j 14:17 | 8° <u>♍</u> 24'45 | | min. Earth dist. | | -531 May 30 j 16:32 | 2° <u>♁</u> 32'44 | 18.36630 AU | |
| opposition | -537 May 04 j 11:23 | 6° <u>♍</u> 24'17 | 0°20'50 | direct | | -531 Aug 16 j 06:27 | 0° <u>♁</u> 31'31 | | |
| min. Earth dist. | -537 May 04 j 05:51 | 6° <u>♍</u> 24'51 | 17.95160 AU | | | | | | |
| direct | -537 Jul 20 j 17:17 | 4° <u>♍</u> 22'06 | | conjunction | | -531 Dec 01 j 20:18 | 4° <u>♁</u> 38'00 | 0°-2'-34 | |
| | | | | minimum elong | | -531 Dec 01 j 20:18 | 4° <u>♁</u> 38'00 | 0°02'36 | |
| conjunction | -537 Nov 06 j 21:38 | 8° <u>♍</u> 37'41 | 0°17'11 | behind sun begin | | -531 Dec 01 j 13:47 | 4° <u>♁</u> 37'03 | | |
| minimum elong | -537 Nov 06 j 21:38 | 8° <u>♍</u> 37'41 | 0°17'12 | behind sun end | | -531 Dec 02 j 02:49 | 4° <u>♁</u> 38'57 | | |
| max. Earth dist. | -537 Nov 07 j 04:39 | 8° <u>♍</u> 38'45 | 19.98560 AU | max. Earth dist. | | -531 Dec 02 j 13:40 | 4° <u>♁</u> 40'36 | 20.39936 AU | |
| retrograde | -536 Feb 22 j 06:45 | 12° <u>♍</u> 50'07 | | retrograde | | -530 Mar 19 j 22:43 | 8° <u>♁</u> 45'43 | | |
| opposition | -536 May 08 j 08:34 | 10° <u>♍</u> 49'48 | 0°17'19 | min. Earth dist. | | -530 Jun 04 j 07:37 | 6° <u>♁</u> 48'04 | 18.43166 AU | |
| min. Earth dist. | -536 May 08 j 00:59 | 10° <u>♍</u> 50'35 | 18.01969 AU | opposition | | -530 Jun 05 j 01:26 | 6° <u>♁</u> 46'16 | 0°-4'-36 | |
| direct | -536 Jul 24 j 14:30 | 8° <u>♍</u> 48'04 | | direct | | -530 Aug 20 j 22:58 | 4° <u>♁</u> 47'01 | | |
| | | | | | | | | | |
| conjunction | -536 Nov 10 j 11:06 | 13° <u>♍</u> 02'04 | 0°14'00 | conjunction | | -530 Dec 06 j 05:35 | 8° <u>♁</u> 52'04 | 0°-5'-50 | |
| minimum elong | -536 Nov 10 j 11:06 | 13° <u>♍</u> 02'04 | 0°14'00 | minimum elong | | -530 Dec 06 j 05:34 | 8° <u>♁</u> 52'04 | 0°05'51 | |
| behind sun begin | -536 Nov 10 j 07:39 | 13° <u>♍</u> 01'33 | | behind sun begin | | -530 Dec 05 j 23:19 | 8° <u>♁</u> 51'09 | | |
| behind sun end | -536 Nov 10 j 14:34 | 13° <u>♍</u> 02'35 | | behind sun end | | -530 Dec 06 j 11:50 | 8° <u>♁</u> 52'58 | | |
| max. Earth dist. | -536 Nov 10 j 19:16 | 13° <u>♍</u> 03'18 | 20.05453 AU | max. Earth dist. | | -530 Dec 06 j 23:34 | 8° <u>♁</u> 54'45 | 20.46345 AU | |
| | -536 Dec 13 j 19:38 | 15° <u>♍</u> | | retrograde | | -529 Mar 24 j 10:53 | 12° <u>♁</u> 59'04 | | |
| retrograde | -535 Feb 25 j 22:49 | 17° <u>♍</u> 13'41 | | opposition | | -529 Jun 09 j 17:52 | 10° <u>♁</u> 59'40 | 0°-8'-12 | |
| opposition | -535 May 13 j 05:06 | 15° <u>♍</u> 13'31 | 0°13'44 | min. Earth dist. | | -529 Jun 08 j 23:34 | 11° <u>♁</u> 01'31 | 18.49460 AU | |
| min. Earth dist. | -535 May 12 j 19:32 | 15° <u>♍</u> 14'30 | 18.08928 AU | direct | | -529 Aug 25 j 11:52 | 9° <u>♁</u> 00'44 | | |
| | -535 May 18 j 17:10 | 15° <u>♁</u> | | | | | | | |
| direct | -535 Jul 29 j 09:18 | 13° <u>♍</u> 12'13 | | conjunction | | -529 Dec 10 j 14:25 | 13° <u>♁</u> 04'23 | 0°-9'-2 | |
| | -535 Oct 03 j 22:13 | 15° <u>♍</u> | | minimum elong | | -529 Dec 10 j 14:25 | 13° <u>♁</u> 04'23 | 0°09'03 | |
| | | | | behind sun begin | | -529 Dec 10 j 08:49 | 13° <u>♁</u> 03'34 | | |
| conjunction | -535 Nov 14 j 23:59 | 17° <u>♍</u> 24'41 | 0°10'46 | behind sun end | | -529 Dec 10 j 20:01 | 13° <u>♁</u> 05'12 | | |
| minimum elong | -535 Nov 14 j 23:59 | 17° <u>♍</u> 24'41 | 0°10'45 | max. Earth dist. | | -529 Dec 11 j 10:15 | 13° <u>♁</u> 07'20 | 20.52507 AU | |
| behind sun begin | -535 Nov 14 j 18:55 | 17° <u>♍</u> 23'55 | | retrograde | | -528 Mar 27 j 23:33 | 17° <u>♁</u> 10'40 | | |
| behind sun end | -535 Nov 15 j 05:04 | 17° <u>♍</u> 25'26 | | opposition | | -528 Jun 13 j 09:10 | 15° <u>♁</u> 11'18 | 0°-11'-43 | |
| max. Earth dist. | -535 Nov 15 j 11:06 | 17° <u>♍</u> 26'22 | 20.12449 AU | min. Earth dist. | | -528 Jun 12 j 12:57 | 15° <u>♁</u> 13'20 | 18.55488 AU | |
| retrograde | -534 Mar 02 j 14:07 | 21° <u>♍</u> 35'28 | | direct | | -528 Aug 29 j 02:55 | 13° <u>♁</u> 12'39 | | |
| opposition | -534 May 18 j 00:54 | 19° <u>♍</u> 35'29 | 0°10'05 | | | | | | |
| min. Earth dist. | -534 May 17 j 13:18 | 19° <u>♍</u> 36'40 | 18.15937 AU | conjunction | | -528 Dec 13 j 22:26 | 17° <u>♁</u> 14'57 | 0°-12'-10 | |
| direct | -534 Aug 03 j 04:47 | 17° <u>♍</u> 34'38 | | minimum elong | | -528 Dec 13 j 22:26 | 17° <u>♁</u> 14'57 | 0°12'12 | |
| | | | | behind sun begin | | -528 Dec 13 j 17:58 | 17° <u>♁</u> 14'19 | | |
| conjunction | -534 Nov 19 j 12:01 | 21° <u>♍</u> 45'34 | 0°07'29 | behind sun end | | -528 Dec 14 j 02:55 | 17° <u>♁</u> 15'36 | | |
| minimum elong | -534 Nov 19 j 12:01 | 21° <u>♍</u> 45'34 | 0°07'29 | max. Earth dist. | | -528 Dec 14 j 18:58 | 17° <u>♁</u> 18'00 | 20.58406 AU | |
| behind sun begin | -534 Nov 19 j 06:02 | 21° <u>♍</u> 44'40 | | retrograde | | -527 Apr 01 j 10:18 | 21° <u>♁</u> 20'33 | | |
| behind sun end | -534 Nov 19 j 18:00 | 21° <u>♍</u> 46'27 | | opposition | | -527 Jun 17 j 23:53 | 19° <u>♁</u> 21'12 | 0°-15'-10 | |
| max. Earth dist. | -534 Nov 20 j 00:06 | 21° <u>♍</u> 47'23 | 20.19465 AU | min. Earth dist. | | -527 Jun 17 j 03:26 | 19° <u>♁</u> 23'16 | 18.61280 AU | |
| retrograde | -533 Mar 07 j 05:13 | 25° <u>♍</u> 55'34 | | direct | | -527 Sep 02 j 14:00 | 17° <u>♁</u> 22'49 | | |
| opposition | -533 May 22 j 20:13 | 23° <u>♍</u> 55'44 | 0°06'25 | | | | | | |
| min. Earth dist. | -533 May 22 j 07:09 | 23° <u>♍</u> 57'04 | 18.22950 AU | conjunction | | -527 Dec 18 j 05:53 | 21° <u>♁</u> 23'49 | 0°-15'-13 | |
| direct | -533 Aug 07 j 21:43 | 21° <u>♍</u> 55'19 | | minimum elong | | -527 Dec 18 j 05:52 | 21° <u>♁</u> 23'49 | 0°15'15 | |
| | | | | behind sun begin | | -527 Dec 18 j 03:31 | 21° <u>♁</u> 23'29 | | |
| conjunction | -533 Nov 23 j 23:24 | 26° <u>♍</u> 04'44 | 0°04'11 | behind sun end | | -527 Dec 18 j 08:14 | 21° <u>♁</u> 24'09 | | |
| minimum elong | -533 Nov 23 j 23:25 | 26° <u>♍</u> 04'44 | 0°04'10 | max. Earth dist. | | -527 Dec 19 j 04:13 | 21° <u>♁</u> 27'07 | 20.64081 AU | |
| behind sun begin | -533 Nov 23 j 16:58 | 26° <u>♍</u> 03'47 | | retrograde | | -526 Apr 05 j 21:56 | 25° <u>♁</u> 28'45 | | |
| behind sun end | -533 Nov 24 j 05:51 | 26° <u>♍</u> 05'41 | | opposition | | -526 Jun 22 j 13:41 | 23° <u>♁</u> 29'26 | 0°-18'-29 | |
| max. Earth dist. | -533 Nov 24 j 14:03 | 26° <u>♍</u> 06'56 | 20.26439 AU | min. Earth dist. | | -526 Jun 21 j 15:07 | 23° <u>♁</u> 31'42 | 18.66848 AU | |
| | -532 Feb 16 j 13:54 | 0° <u>♁</u> | | direct | | -526 Sep 07 j 03:38 | 21° <u>♁</u> 31'18 | | |
| retrograde | -532 Mar 10 j 19:36 | 0° <u>♁</u> 13'58 | | | | | | | |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 26

Attention, astronomical year style is used: The year -526 in astronomical counting style is the year 527 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| conjunction | -526 Dec 22 j 12:46 | 25°♁31'05 | 0°-18'-10 | conjunction | -517 Jan 23 j 09:29 | 27°♁49'24 | 0°-37'-3 |
| minimum elong | -526 Dec 22 j 12:46 | 25°♁31'05 | 0°18'12 | minimum elong | -517 Jan 23 j 09:29 | 27°♁49'24 | 0°37'03 |
| max. Earth dist. | -526 Dec 23 j 11:54 | 25°♁34'29 | 20.69544 AU | max. Earth dist. | -517 Jan 24 j 13:03 | 27°♁53'21 | 21.03325 AU |
| retrograde | -525 Apr 10 j 08:06 | 29°♁35'26 | | | -517 Mar 04 j 08:14 | 0°≈ | |
| min. Earth dist. | -525 Jun 26 j 04:11 | 27°♁38'24 | 18.72230 AU | retrograde | -517 May 13 j 10:15 | 1°≈50'54 | |
| opposition | -525 Jun 27 j 02:56 | 27°♁36'07 | 0°-21'-42 | | -517 Jul 27 j 06:20 | 30°R♁ | |
| direct | -525 Sep 11 j 13:07 | 25°♁38'14 | | opposition | -517 Jul 30 j 14:43 | 29°♁51'59 | 0°-41'-52 |
| | | | | min. Earth dist. | -517 Jul 29 j 13:10 | 29°♁54'32 | 19.04579 AU |
| conjunction | -525 Dec 26 j 19:15 | 29°♁36'53 | 0°-21'-1 | direct | -517 Oct 14 j 07:31 | 27°♁55'50 | |
| minimum elong | -525 Dec 26 j 19:15 | 29°♁36'53 | 0°21'02 | | -517 Dec 25 j 23:04 | 0°≈ | |
| max. Earth dist. | -525 Dec 27 j 19:57 | 29°♁40'31 | 20.74825 AU | | | | |
| | -524 Jan 02 j 08:37 | 0°♁ | | conjunction | -516 Jan 27 j 14:45 | 1°≈48'28 | 0°-38'-40 |
| retrograde | -524 Apr 13 j 18:47 | 3°♁40'41 | | minimum elong | -516 Jan 27 j 14:45 | 1°≈48'28 | 0°38'42 |
| opposition | -524 Jun 30 j 15:16 | 1°♁41'25 | 0°-24'-46 | max. Earth dist. | -516 Jan 28 j 18:08 | 1°≈52'24 | 21.05593 AU |
| min. Earth dist. | -524 Jun 29 j 14:29 | 1°♁43'54 | 18.77403 AU | retrograde | -516 May 16 j 20:00 | 5°≈49'49 | |
| | -524 Aug 20 j 09:09 | 30°R♁ | | opposition | -516 Aug 02 j 23:02 | 3°≈50'52 | 0°-43'-33 |
| direct | -524 Sep 15 j 01:05 | 29°♁43'48 | | min. Earth dist. | -516 Aug 01 j 20:57 | 3°≈53'28 | 19.06558 AU |
| | -524 Oct 10 j 04:46 | 0°♁ | | direct | -516 Oct 17 j 14:54 | 1°≈54'46 | |
| | | | | | | | |
| conjunction | -524 Dec 30 j 01:18 | 3°♁41'24 | 0°-23'-44 | conjunction | -515 Jan 30 j 19:52 | 5°≈47'00 | 0°-40'-7 |
| minimum elong | -524 Dec 30 j 01:18 | 3°♁41'24 | 0°23'46 | minimum elong | -515 Jan 30 j 19:52 | 5°≈47'00 | 0°40'07 |
| max. Earth dist. | -524 Dec 31 j 02:35 | 3°♁45'06 | 20.79877 AU | max. Earth dist. | -515 Jan 31 j 22:35 | 5°≈50'50 | 21.07286 AU |
| retrograde | -523 Apr 18 j 04:28 | 7°♁44'43 | | retrograde | -515 May 21 j 02:22 | 9°≈48'15 | |
| min. Earth dist. | -523 Jul 04 j 02:24 | 5°♁47'58 | 18.82349 AU | min. Earth dist. | -515 Aug 06 j 06:31 | 7°≈51'41 | 19.07983 AU |
| opposition | -523 Jul 05 j 03:01 | 5°♁45'30 | 0°-27'-43 | opposition | -515 Aug 07 j 07:01 | 7°≈49'14 | 0°-45'-2 |
| direct | -523 Sep 19 j 09:18 | 3°♁48'09 | | direct | -515 Oct 21 j 19:42 | 5°≈53'10 | |
| | | | | | | | |
| conjunction | -522 Jan 03 j 07:08 | 7°♁44'48 | 0°-26'-20 | conjunction | -514 Feb 04 j 01:04 | 9°≈45'04 | 0°-41'-21 |
| minimum elong | -522 Jan 03 j 07:08 | 7°♁44'48 | 0°26'21 | minimum elong | -514 Feb 04 j 01:04 | 9°≈45'04 | 0°41'23 |
| max. Earth dist. | -522 Jan 04 j 09:37 | 7°♁48'40 | 20.84697 AU | max. Earth dist. | -514 Feb 05 j 03:33 | 9°≈48'51 | 21.08462 AU |
| retrograde | -522 Apr 22 j 14:31 | 11°♁47'40 | | retrograde | -514 May 25 j 11:33 | 13°≈46'15 | |
| min. Earth dist. | -522 Jul 08 j 11:46 | 9°♁51'10 | 18.87027 AU | opposition | -514 Aug 11 j 14:32 | 11°≈47'08 | 0°-46'-17 |
| opposition | -522 Jul 09 j 14:10 | 9°♁48'32 | 0°-30'-30 | min. Earth dist. | -514 Aug 10 j 13:32 | 11°≈49'38 | 19.08909 AU |
| direct | -522 Sep 23 j 19:23 | 7°♁51'26 | | direct | -514 Oct 26 j 02:35 | 9°≈51'03 | |
| | | | | | | | |
| conjunction | -521 Jan 07 j 12:29 | 11°♁47'12 | 0°-28'-47 | conjunction | -513 Feb 08 j 06:09 | 13°≈42'44 | 0°-42'-23 |
| minimum elong | -521 Jan 07 j 12:29 | 11°♁47'12 | 0°28'49 | minimum elong | -513 Feb 08 j 06:09 | 13°≈42'44 | 0°42'24 |
| max. Earth dist. | -521 Jan 08 j 15:24 | 11°♁51'07 | 20.89218 AU | max. Earth dist. | -513 Feb 09 j 08:04 | 13°≈46'26 | 21.09147 AU |
| retrograde | -521 Apr 26 j 23:23 | 15°♁49'43 | | | -513 Mar 03 j 04:31 | 15°≈ | |
| min. Earth dist. | -521 Jul 12 j 23:05 | 13°♁53'13 | 18.91395 AU | retrograde | -513 May 29 j 17:56 | 17°≈43'55 | |
| opposition | -521 Jul 14 j 00:57 | 13°♁50'38 | 0°-33'-8 | opposition | -513 Aug 15 j 21:48 | 15°≈44'42 | 0°-47'-18 |
| direct | -521 Sep 28 j 02:57 | 11°♁53'48 | | min. Earth dist. | -513 Aug 14 j 22:23 | 15°≈47'03 | 19.09374 AU |
| | | | | | -513 Sep 03 j 22:51 | 15°R≈ | |
| conjunction | -520 Jan 11 j 17:55 | 15°♁48'46 | 0°-31'-6 | direct | -513 Oct 30 j 06:49 | 13°≈48'35 | |
| minimum elong | -520 Jan 11 j 17:55 | 15°♁48'46 | 0°31'07 | | -513 Dec 23 j 02:32 | 15°≈ | |
| max. Earth dist. | -520 Jan 12 j 21:37 | 15°♁52'47 | 20.93410 AU | | | | |
| retrograde | -520 Apr 30 j 09:22 | 19°♁50'57 | | conjunction | -512 Feb 12 j 11:33 | 17°≈40'07 | 0°-43'-13 |
| min. Earth dist. | -520 Jul 16 j 07:45 | 17°♁54'38 | 18.95391 AU | minimum elong | -512 Feb 12 j 11:33 | 17°≈40'07 | 0°43'14 |
| opposition | -520 Jul 17 j 10:52 | 17°♁51'56 | 0°-35'-36 | max. Earth dist. | -512 Feb 13 j 13:06 | 17°≈43'46 | 21.09404 AU |
| direct | -520 Oct 01 j 11:22 | 15°♁55'19 | | retrograde | -512 Jun 02 j 02:39 | 21°≈41'22 | |
| | | | | min. Earth dist. | -512 Aug 18 j 04:38 | 19°≈44'26 | 19.09424 AU |
| conjunction | -519 Jan 14 j 23:09 | 19°♁49'36 | 0°-33'-15 | opposition | -512 Aug 19 j 04:27 | 19°≈42'03 | 0°-48'-6 |
| minimum elong | -519 Jan 14 j 23:09 | 19°♁49'36 | 0°33'16 | direct | -512 Nov 02 j 12:51 | 17°≈45'53 | |
| max. Earth dist. | -519 Jan 16 j 02:49 | 19°♁53'35 | 20.97189 AU | | | | |
| retrograde | -519 May 04 j 17:08 | 23°♁51'30 | | conjunction | -511 Feb 15 j 17:00 | 21°≈37'25 | 0°-43'-50 |
| opposition | -519 Jul 21 j 20:37 | 21°♁52'33 | 0°-37'-52 | minimum elong | -511 Feb 15 j 17:00 | 21°≈37'25 | 0°43'51 |
| min. Earth dist. | -519 Jul 20 j 18:33 | 21°♁55'09 | 18.98957 AU | max. Earth dist. | -511 Feb 16 j 17:51 | 21°≈40'57 | 21.09248 AU |
| direct | -519 Oct 05 j 18:07 | 19°♁56'09 | | retrograde | -511 Jun 06 j 09:24 | 25°≈38'47 | |
| | | | | opposition | -511 Aug 23 j 11:09 | 23°≈39'23 | 0°-48'-41 |
| conjunction | -518 Jan 19 j 04:17 | 23°♁49'47 | 0°-35'-14 | min. Earth dist. | -511 Aug 22 j 12:54 | 23°≈41'37 | 19.09079 AU |
| minimum elong | -518 Jan 19 j 04:17 | 23°♁49'47 | 0°35'16 | direct | -511 Nov 06 j 16:34 | 21°≈43'11 | |
| max. Earth dist. | -518 Jan 20 j 08:16 | 23°♁53'49 | 21.00519 AU | | | | |
| retrograde | -518 May 09 j 03:11 | 27°♁51'28 | | conjunction | -510 Feb 19 j 22:36 | 25°≈34'47 | 0°-44'-15 |
| min. Earth dist. | -518 Jul 25 j 02:52 | 25°♁55'14 | 19.02035 AU | minimum elong | -510 Feb 19 j 22:37 | 25°≈34'47 | 0°44'16 |
| opposition | -518 Jul 26 j 05:50 | 25°♁52'33 | 0°-39'-58 | max. Earth dist. | -510 Feb 20 j 23:00 | 25°≈38'15 | 21.08723 AU |
| direct | -518 Oct 10 j 01:51 | 23°♁56'18 | | retrograde | -510 Jun 10 j 18:02 | 29°≈36'21 | |
| | | | | opposition | -510 Aug 27 j 17:35 | 27°≈36'52 | 0°-49'-2 |

Planetary Phenomena of Uranus from -900 through -400 (UT), AstroDienst AG 14-Nov-2015 16:11, page 27

Attention, astronomical year style is used: The year -510 in astronomical counting style is the year 511 BCE in historical counting style.

| | | | | | | | | |
|------------------|---------------------|-----------------------------|-------------|------------------|--|---------------------|---------------------------------|-------------|
| min. Earth dist. | -510 Aug 26 j 19:02 | 27° \approx 39'09 | 19.08361 AU | | | -502 Sep 20 j 13:10 | 30° \mathcal{R} \mathcal{H} | |
| direct | -510 Nov 10 j 22:02 | 25° \approx 40'37 | | opposition | | -502 Sep 28 j 21:31 | 29° \mathcal{H} 39'31 | 0°-43'-22 |
| | | | | min. Earth dist. | | -502 Sep 28 j 10:21 | 29° \mathcal{H} 40'39 | 18.86879 AU |
| conjunction | -509 Feb 24 j 04:38 | 29° \approx 32'24 | 0°-44'-28 | direct | | -502 Dec 12 j 13:07 | 27° \mathcal{H} 42'04 | |
| minimum elong | -509 Feb 24 j 04:38 | 29° \approx 32'24 | 0°44'29 | | | -501 Feb 27 j 12:17 | 0° \mathcal{V} | |
| max. Earth dist. | -509 Feb 25 j 04:10 | 29° \approx 35'44 | 21.07810 AU | | | | | |
| | -509 Mar 04 j 06:54 | 0° \mathcal{H} | | conjunction | | -501 Mar 28 j 23:44 | 1° \mathcal{V} 38'29 | 0°-38'-28 |
| retrograde | -509 Jun 15 j 01:18 | 3° \mathcal{H} 34'13 | | minimum elong | | -501 Mar 28 j 23:44 | 1° \mathcal{V} 38'29 | 0°38'29 |
| opposition | -509 Aug 31 j 23:54 | 1° \mathcal{H} 34'41 | 0°-49'-8 | max. Earth dist. | | -501 Mar 29 j 10:55 | 1° \mathcal{V} 40'05 | 20.84494 AU |
| min. Earth dist. | -509 Aug 31 j 03:10 | 1° \mathcal{H} 36'47 | 19.07258 AU | retrograde | | -501 Jul 18 j 05:32 | 5° \mathcal{V} 44'01 | |
| | -509 Oct 16 j 13:02 | 30° \mathcal{R} \approx | | opposition | | -501 Oct 03 j 04:34 | 3° \mathcal{V} 43'43 | 0°-41'-37 |
| direct | -509 Nov 15 j 01:21 | 29° \approx 38'23 | | min. Earth dist. | | -501 Oct 02 j 19:54 | 3° \mathcal{V} 44'36 | 18.82027 AU |
| | -509 Dec 14 j 00:51 | 0° \mathcal{H} | | direct | | -501 Dec 16 j 19:00 | 1° \mathcal{V} 45'57 | |
| conjunction | -508 Feb 28 j 11:08 | 3° \mathcal{H} 30'27 | 0°-44'-28 | conjunction | | -500 Apr 01 j 10:52 | 5° \mathcal{V} 43'16 | 0°-36'-47 |
| minimum elong | -508 Feb 28 j 11:08 | 3° \mathcal{H} 30'27 | 0°44'28 | minimum elong | | -500 Apr 01 j 10:52 | 5° \mathcal{V} 43'16 | 0°36'48 |
| max. Earth dist. | -508 Feb 29 j 09:49 | 3° \mathcal{H} 33'40 | 21.06524 AU | max. Earth dist. | | -500 Apr 01 j 19:55 | 5° \mathcal{V} 44'34 | 20.79468 AU |
| retrograde | -508 Jun 18 j 10:31 | 7° \mathcal{H} 32'34 | | retrograde | | -500 Jul 21 j 17:35 | 9° \mathcal{V} 49'25 | |
| min. Earth dist. | -508 Sep 03 j 09:27 | 5° \mathcal{H} 35'06 | 19.05764 AU | opposition | | -500 Oct 06 j 11:49 | 7° \mathcal{V} 48'54 | 0°-39'-39 |
| opposition | -508 Sep 04 j 06:08 | 5° \mathcal{H} 33'00 | 0°-49'-1 | min. Earth dist. | | -500 Oct 06 j 04:07 | 7° \mathcal{V} 49'42 | 18.76823 AU |
| direct | -508 Nov 18 j 06:40 | 3° \mathcal{H} 36'38 | | direct | | -500 Dec 20 j 02:31 | 5° \mathcal{V} 50'47 | |
| conjunction | -507 Mar 03 j 17:55 | 7° \mathcal{H} 29'04 | 0°-44'-15 | conjunction | | -499 Apr 05 j 22:29 | 9° \mathcal{V} 49'06 | 0°-34'-53 |
| minimum elong | -507 Mar 03 j 17:55 | 7° \mathcal{H} 29'04 | 0°44'17 | minimum elong | | -499 Apr 05 j 22:29 | 9° \mathcal{V} 49'06 | 0°34'54 |
| max. Earth dist. | -507 Mar 04 j 15:28 | 7° \mathcal{H} 32'08 | 21.04816 AU | max. Earth dist. | | -499 Apr 06 j 06:01 | 9° \mathcal{V} 50'11 | 20.74100 AU |
| retrograde | -507 Jun 22 j 18:06 | 11° \mathcal{H} 31'35 | | retrograde | | -499 Jul 26 j 03:37 | 13° \mathcal{V} 55'54 | |
| opposition | -507 Sep 08 j 12:28 | 9° \mathcal{H} 31'59 | 0°-48'-40 | opposition | | -499 Oct 10 j 19:28 | 11° \mathcal{V} 55'11 | 0°-37'-28 |
| min. Earth dist. | -507 Sep 07 j 17:52 | 9° \mathcal{H} 33'52 | 19.03842 AU | min. Earth dist. | | -499 Oct 10 j 13:58 | 11° \mathcal{V} 55'46 | 18.71315 AU |
| direct | -507 Nov 22 j 10:02 | 7° \mathcal{H} 35'32 | | direct | | -499 Dec 24 j 08:59 | 9° \mathcal{V} 56'43 | |
| conjunction | -506 Mar 08 j 01:21 | 11° \mathcal{H} 28'27 | 0°-43'-49 | conjunction | | -498 Apr 10 j 10:55 | 13° \mathcal{V} 56'06 | 0°-32'-49 |
| minimum elong | -506 Mar 08 j 01:21 | 11° \mathcal{H} 28'27 | 0°43'50 | minimum elong | | -498 Apr 10 j 10:55 | 13° \mathcal{V} 56'06 | 0°32'49 |
| max. Earth dist. | -506 Mar 08 j 21:41 | 11° \mathcal{H} 31'20 | 21.02689 AU | max. Earth dist. | | -498 Apr 10 j 16:17 | 13° \mathcal{V} 56'53 | 20.68485 AU |
| retrograde | -506 Jun 27 j 04:23 | 15° \mathcal{H} 31'23 | | retrograde | | -498 Jul 30 j 16:44 | 18° \mathcal{V} 03'37 | |
| opposition | -506 Sep 12 j 18:44 | 13° \mathcal{H} 31'43 | 0°-48'-5 | opposition | | -498 Oct 15 j 03:15 | 16° \mathcal{V} 02'42 | 0°-35'-4 |
| min. Earth dist. | -506 Sep 12 j 00:39 | 13° \mathcal{H} 33'34 | 19.01477 AU | min. Earth dist. | | -498 Oct 14 j 22:43 | 16° \mathcal{V} 03'11 | 18.65588 AU |
| direct | -506 Nov 26 j 15:29 | 11° \mathcal{H} 35'10 | | direct | | -498 Dec 28 j 17:28 | 14° \mathcal{V} 03'52 | |
| conjunction | -505 Mar 12 j 09:24 | 15° \mathcal{H} 28'39 | 0°-43'-11 | conjunction | | -497 Apr 15 j 00:10 | 18° \mathcal{V} 04'26 | 0°-30'-33 |
| minimum elong | -505 Mar 12 j 09:24 | 15° \mathcal{H} 28'39 | 0°43'12 | minimum elong | | -497 Apr 15 j 00:10 | 18° \mathcal{V} 04'26 | 0°30'35 |
| max. Earth dist. | -505 Mar 13 j 04:10 | 15° \mathcal{H} 31'19 | 21.00075 AU | max. Earth dist. | | -497 Apr 15 j 04:07 | 18° \mathcal{V} 05'00 | 20.62651 AU |
| retrograde | -505 Jul 01 j 12:44 | 19° \mathcal{H} 32'03 | | retrograde | | -497 Aug 04 j 03:54 | 22° \mathcal{V} 12'39 | |
| min. Earth dist. | -505 Sep 16 j 09:40 | 17° \mathcal{H} 33'56 | 18.98608 AU | opposition | | -497 Oct 19 j 11:35 | 20° \mathcal{V} 11'36 | 0°-32'-29 |
| opposition | -505 Sep 17 j 01:16 | 17° \mathcal{H} 32'20 | 0°-47'-16 | min. Earth dist. | | -497 Oct 19 j 09:11 | 20° \mathcal{V} 11'51 | 18.59664 AU |
| direct | -505 Nov 30 j 19:35 | 15° \mathcal{H} 35'38 | | direct | | -496 Jan 02 j 00:30 | 18° \mathcal{V} 12'26 | |
| conjunction | -504 Mar 15 j 18:09 | 19° \mathcal{H} 29'45 | 0°-42'-19 | conjunction | | -496 Apr 18 j 14:05 | 22° \mathcal{V} 14'13 | 0°-28'-8 |
| minimum elong | -504 Mar 15 j 18:09 | 19° \mathcal{H} 29'45 | 0°42'20 | minimum elong | | -496 Apr 18 j 14:05 | 22° \mathcal{V} 14'13 | 0°28'08 |
| max. Earth dist. | -504 Mar 16 j 11:03 | 19° \mathcal{H} 32'09 | 20.96956 AU | max. Earth dist. | | -496 Apr 18 j 15:40 | 22° \mathcal{V} 14'27 | 20.56661 AU |
| retrograde | -504 Jul 04 j 23:34 | 23° \mathcal{H} 33'39 | | retrograde | | -496 Aug 07 j 18:06 | 26° \mathcal{V} 23'14 | |
| opposition | -504 Sep 20 j 07:44 | 21° \mathcal{H} 33'50 | 0°-46'-12 | opposition | | -496 Oct 22 j 20:14 | 24° \mathcal{V} 22'02 | 0°-29'-43 |
| min. Earth dist. | -504 Sep 19 j 17:02 | 21° \mathcal{H} 35'20 | 18.95217 AU | min. Earth dist. | | -496 Oct 22 j 18:52 | 24° \mathcal{V} 22'11 | 18.53605 AU |
| direct | -504 Dec 04 j 01:25 | 19° \mathcal{H} 36'56 | | direct | | -495 Jan 05 j 10:10 | 22° \mathcal{V} 22'31 | |
| conjunction | -503 Mar 20 j 03:26 | 23° \mathcal{H} 31'45 | 0°-41'-15 | conjunction | | -495 Apr 23 j 04:55 | 26° \mathcal{V} 25'38 | 0°-25'-33 |
| minimum elong | -503 Mar 20 j 03:26 | 23° \mathcal{H} 31'45 | 0°41'15 | minimum elong | | -495 Apr 23 j 04:55 | 26° \mathcal{V} 25'38 | 0°25'34 |
| max. Earth dist. | -503 Mar 20 j 18:28 | 23° \mathcal{H} 33'54 | 20.93295 AU | max. Earth dist. | | -495 Apr 23 j 05:15 | 26° \mathcal{V} 25'41 | 20.50537 AU |
| retrograde | -503 Jul 09 j 08:43 | 27° \mathcal{H} 36'11 | | | | -495 Jul 05 j 12:46 | 0° \mathcal{B} | |
| opposition | -503 Sep 24 j 14:37 | 25° \mathcal{H} 36'14 | 0°-44'-54 | retrograde | | -495 Aug 12 j 06:40 | 0° \mathcal{B} 35'28 | |
| min. Earth dist. | -503 Sep 24 j 02:27 | 25° \mathcal{H} 37'28 | 18.91291 AU | | | -495 Sep 19 j 09:33 | 30° \mathcal{R} \mathcal{V} | |
| direct | -503 Dec 08 j 06:30 | 23° \mathcal{H} 39'05 | | opposition | | -495 Oct 27 j 05:31 | 28° \mathcal{V} 34'10 | 0°-26'-47 |
| conjunction | -502 Mar 24 j 13:12 | 27° \mathcal{H} 34'40 | 0°-39'-58 | min. Earth dist. | | -495 Oct 27 j 06:10 | 28° \mathcal{V} 34'06 | 18.47425 AU |
| minimum elong | -502 Mar 24 j 13:12 | 27° \mathcal{H} 34'40 | 0°39'59 | direct | | -494 Jan 09 j 18:11 | 26° \mathcal{V} 34'20 | |
| max. Earth dist. | -502 Mar 25 j 02:12 | 27° \mathcal{H} 36'31 | 20.89134 AU | | | -494 Apr 16 j 17:12 | 0° \mathcal{B} | |
| | -502 May 08 j 19:05 | 0° \mathcal{V} | | conjunction | | -494 Apr 27 j 20:29 | 0° \mathcal{B} 38'50 | 0°-22'-49 |
| retrograde | -502 Jul 13 j 19:58 | 1° \mathcal{V} 39'38 | | minimum elong | | -494 Apr 27 j 20:29 | 0° \mathcal{B} 38'50 | 0°22'49 |

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Attention, astronomical year style is used: The year -494 in astronomical counting style is the year 495 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| max. Earth dist. | -494 Apr 27 j 18:15 | 0°♃38'31 | 20.44318 AU | conjunction | -487 May 29 j 12:01 | 1°♂06'02 | 0°00'-23 |
| retrograde | -494 Aug 16 j 22:09 | 4°♃49'32 | | minimum elong | -487 May 29 j 12:01 | 1°♂06'02 | 0°00'24 |
| opposition | -494 Oct 31 j 15:18 | 2°♃48'09 | 0°-23'-40 | behind sun begin | -487 May 29 j 05:16 | 1°♂05'03 | |
| min. Earth dist. | -494 Oct 31 j 17:18 | 2°♃47'57 | 18.41146 AU | behind sun end | -487 May 29 j 18:47 | 1°♂07'01 | |
| direct | -493 Jan 14 j 05:02 | 0°♃48'00 | | max. Earth dist. | -487 May 28 j 19:20 | 1°♂03'32 | 19.97321 AU |
| | | | | asc. node | -487 Jul 09 j 05:03 | 3°♂25'04 | |
| conjunction | -493 May 02 j 13:14 | 4°♃53'59 | 0°-19'-56 | retrograde | -487 Sep 16 j 17:00 | 5°♂22'37 | |
| minimum elong | -493 May 02 j 13:14 | 4°♃53'59 | 0°19'56 | opposition | -487 Nov 30 j 06:22 | 3°♂20'31 | 0°01'30 |
| max. Earth dist. | -493 May 02 j 09:43 | 4°♃53'28 | 20.37974 AU | min. Earth dist. | -487 Nov 30 j 21:13 | 3°♂18'55 | 17.93863 AU |
| retrograde | -493 Aug 21 j 12:12 | 9°♃05'32 | | direct | -486 Feb 13 j 05:14 | 1°♂17'37 | |
| opposition | -493 Nov 05 j 01:40 | 7°♃04'06 | 0°-20'-24 | | | | |
| min. Earth dist. | -493 Nov 05 j 05:51 | 7°♃03'39 | 18.34736 AU | conjunction | -486 Jun 03 j 10:33 | 5°♂34'25 | 0°03'09 |
| direct | -492 Jan 18 j 15:06 | 5°♃03'38 | | minimum elong | -486 Jun 03 j 10:32 | 5°♂34'25 | 0°03'10 |
| | | | | behind sun begin | -486 Jun 03 j 03:47 | 5°♂33'26 | |
| conjunction | -492 May 06 j 06:47 | 9°♃11'07 | 0°-16'-55 | behind sun end | -486 Jun 03 j 17:18 | 5°♂35'24 | |
| minimum elong | -492 May 06 j 06:47 | 9°♃11'07 | 0°16'56 | max. Earth dist. | -486 Jun 02 j 14:51 | 5°♂31'28 | 19.90461 AU |
| max. Earth dist. | -492 May 06 j 00:13 | 9°♃10'10 | 20.31507 AU | retrograde | -486 Sep 21 j 11:27 | 9°♂51'46 | |
| retrograde | -492 Aug 25 j 04:25 | 13°♃23'34 | | opposition | -486 Dec 04 j 21:34 | 7°♂49'31 | 0°05'20 |
| opposition | -492 Nov 08 j 12:45 | 11°♃22'04 | 0°-17'00 | min. Earth dist. | -486 Dec 05 j 14:15 | 7°♂47'43 | 17.87082 AU |
| min. Earth dist. | -492 Nov 08 j 18:36 | 11°♃21'26 | 18.28201 AU | direct | -485 Feb 17 j 22:10 | 5°♂46'09 | |
| direct | -491 Jan 22 j 03:05 | 9°♃21'15 | | | | | |
| | | | | conjunction | -485 Jun 08 j 09:56 | 10°♂04'30 | 0°06'35 |
| conjunction | -491 May 11 j 01:15 | 13°♃30'17 | 0°-13'-47 | minimum elong | -485 Jun 08 j 09:56 | 10°♂04'30 | 0°06'36 |
| minimum elong | -491 May 11 j 01:15 | 13°♃30'17 | 0°13'47 | behind sun begin | -485 Jun 08 j 03:35 | 10°♂03'34 | |
| behind sun begin | -491 May 10 j 21:52 | 13°♃29'48 | | behind sun end | -485 Jun 08 j 16:17 | 10°♂05'26 | |
| behind sun end | -491 May 11 j 04:38 | 13°♃30'46 | | max. Earth dist. | -485 Jun 07 j 13:46 | 10°♂01'28 | 19.83760 AU |
| max. Earth dist. | -491 May 10 j 17:22 | 13°♃29'08 | 20.24886 AU | retrograde | -485 Sep 26 j 07:19 | 14°♂22'35 | |
| | -491 Jun 05 j 22:09 | 15°♃ | | opposition | -485 Dec 09 j 13:23 | 12°♂20'13 | 0°09'10 |
| retrograde | -491 Aug 29 j 20:07 | 17°♃43'36 | | min. Earth dist. | -485 Dec 10 j 06:52 | 12°♂18'19 | 17.80491 AU |
| opposition | -491 Nov 13 j 00:37 | 15°♃42'01 | 0°-13'-28 | direct | -484 Feb 22 j 16:29 | 10°♂16'25 | |
| min. Earth dist. | -491 Nov 13 j 08:32 | 15°♃41'10 | 18.21502 AU | max. Earth dist. | -484 Jun 11 j 11:07 | 14°♂32'51 | 19.77298 AU |
| | -491 Nov 29 j 19:12 | 15°♂♃ | | | | | |
| direct | -490 Jan 26 j 15:56 | 13°♃40'51 | | conjunction | -484 Jun 12 j 09:48 | 14°♂36'16 | 0°10'00 |
| | -490 Mar 23 j 23:08 | 15°♃ | | minimum elong | -484 Jun 12 j 09:48 | 14°♂36'16 | 0°10'01 |
| | | | | behind sun begin | -484 Jun 12 j 04:23 | 14°♂35'28 | |
| conjunction | -490 May 15 j 20:39 | 17°♃51'26 | 0°-10'-33 | behind sun end | -484 Jun 12 j 15:13 | 14°♂37'04 | |
| minimum elong | -490 May 15 j 20:40 | 17°♃51'26 | 0°10'34 | retrograde | -484 Sep 30 j 03:12 | 18°♂55'04 | |
| behind sun begin | -490 May 15 j 15:28 | 17°♃50'41 | | opposition | -484 Dec 13 j 06:07 | 16°♂52'35 | 0°12'58 |
| behind sun end | -490 May 16 j 01:51 | 17°♃52'11 | | min. Earth dist. | -484 Dec 14 j 01:13 | 16°♂50'31 | 17.74192 AU |
| max. Earth dist. | -490 May 15 j 09:22 | 17°♃49'46 | 20.18121 AU | direct | -483 Feb 26 j 10:29 | 14°♂48'23 | |
| retrograde | -490 Sep 03 j 12:30 | 22°♃05'37 | | max. Earth dist. | -483 Jun 16 j 11:29 | 19°♂06'15 | 19.71156 AU |
| opposition | -490 Nov 17 j 13:00 | 20°♃03'55 | 0°-9'-50 | | | | |
| min. Earth dist. | -490 Nov 17 j 22:49 | 20°♃02'52 | 18.14675 AU | conjunction | -483 Jun 17 j 10:19 | 19°♂09'43 | 0°13'23 |
| direct | -489 Jan 31 j 05:35 | 18°♃02'20 | | minimum elong | -483 Jun 17 j 10:19 | 19°♂09'43 | 0°13'23 |
| | | | | behind sun begin | -483 Jun 17 j 06:37 | 19°♂09'10 | |
| conjunction | -489 May 20 j 17:08 | 22°♃14'29 | 0°-7'-15 | behind sun end | -483 Jun 17 j 14:01 | 19°♂10'16 | |
| minimum elong | -489 May 20 j 17:08 | 22°♃14'29 | 0°07'15 | retrograde | -483 Oct 05 j 00:38 | 23°♂29'11 | |
| behind sun begin | -489 May 20 j 10:55 | 22°♃13'35 | | opposition | -483 Dec 17 j 23:32 | 21°♂26'39 | 0°16'42 |
| behind sun end | -489 May 20 j 23:20 | 22°♃15'23 | | min. Earth dist. | -483 Dec 18 j 18:52 | 21°♂24'33 | 17.68226 AU |
| max. Earth dist. | -489 May 20 j 04:34 | 22°♃12'38 | 20.11228 AU | direct | -482 Mar 03 j 06:28 | 19°♂22'05 | |
| retrograde | -489 Sep 08 j 05:38 | 26°♃29'29 | | max. Earth dist. | -482 Jun 21 j 10:42 | 23°♂41'05 | 19.65376 AU |
| opposition | -489 Nov 22 j 02:10 | 24°♃27'40 | 0°-6'-6 | | | | |
| min. Earth dist. | -489 Nov 22 j 13:47 | 24°♃26'25 | 18.07736 AU | conjunction | -482 Jun 22 j 11:32 | 23°♂44'52 | 0°16'41 |
| direct | -488 Feb 04 j 20:50 | 22°♃25'40 | | minimum elong | -482 Jun 22 j 11:32 | 23°♂44'52 | 0°16'42 |
| | | | | retrograde | -482 Oct 09 j 21:20 | 28°♂05'00 | |
| conjunction | -488 May 24 j 14:05 | 26°♃39'22 | 0°-3'-52 | opposition | -482 Dec 22 j 17:43 | 26°♂02'25 | 0°20'21 |
| minimum elong | -488 May 24 j 14:05 | 26°♃39'22 | 0°03'53 | min. Earth dist. | -482 Dec 23 j 14:43 | 26°♂00'08 | 17.62658 AU |
| behind sun begin | -488 May 24 j 07:23 | 26°♃38'24 | | direct | -481 Mar 08 j 01:30 | 23°♂57'32 | |
| behind sun end | -488 May 24 j 20:47 | 26°♃40'20 | | | | | |
| max. Earth dist. | -488 May 23 j 22:13 | 26°♃37'01 | 20.04270 AU | conjunction | -481 Jun 27 j 13:27 | 28°♂21'45 | 0°19'55 |
| | -488 Jul 27 j 12:10 | 0°♂ | | minimum elong | -481 Jun 27 j 13:27 | 28°♂21'45 | 0°19'55 |
| retrograde | -488 Sep 11 j 22:38 | 0°♂55'11 | | max. Earth dist. | -481 Jun 26 j 12:25 | 28°♂17'55 | 19.60013 AU |
| | -488 Oct 29 j 05:55 | 30°♂♃ | | | -481 Jul 24 j 20:28 | 0°♂ | |
| opposition | -488 Nov 25 j 15:58 | 28°♃53'13 | 0°-2'-19 | retrograde | -481 Oct 14 j 20:24 | 2°♂42'30 | |
| min. Earth dist. | -488 Nov 26 j 05:29 | 28°♃51'46 | 18.00778 AU | opposition | -481 Dec 27 j 12:44 | 0°♂39'56 | 0°23'54 |
| direct | -487 Feb 08 j 12:22 | 26°♃50'46 | | min. Earth dist. | -481 Dec 28 j 09:39 | 0°♂37'39 | 17.57500 AU |
| | -487 May 10 j 22:17 | 0°♂ | | | -480 Jan 12 j 01:02 | 30°♂♂ | |

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Attention, astronomical year style is used: The year -480 in astronomical counting style is the year 481 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| direct | -480 Mar 11 j 23:38 | 28°♄34'48 | | min. Earth dist. | -472 Feb 03 j 23:56 | 8°♃27'32 | 17.30775 AU |
| | -480 May 09 j 03:40 | 0°♄ | | direct | -472 Apr 19 j 07:30 | 6°♃23'38 | |
| conjunction | -480 Jul 01 j 15:41 | 3°♄00'21 | 0°23'03 | conjunction | -472 Aug 09 j 21:52 | 10°♃56'07 | 0°41'24 |
| minimum elong | -480 Jul 01 j 15:41 | 3°♄00'21 | 0°23'02 | minimum elong | -472 Aug 09 j 21:52 | 10°♃56'07 | 0°41'24 |
| max. Earth dist. | -480 Jun 30 j 13:22 | 2°♄56'18 | 19.55057 AU | max. Earth dist. | -472 Aug 08 j 18:23 | 10°♃51'47 | 19.30026 AU |
| retrograde | -480 Oct 18 j 17:44 | 7°♄21'42 | | retrograde | -472 Oct 30 j 08:01 | 15°♃ | |
| opposition | -480 Dec 31 j 08:39 | 5°♄19'11 | 0°27'19 | retrograde | -472 Nov 25 j 16:08 | 15°♃19'37 | |
| min. Earth dist. | -479 Jan 01 j 07:15 | 5°♄16'43 | 17.52764 AU | retrograde | -472 Dec 22 j 10:56 | 15°♃♂ | |
| direct | -479 Mar 16 j 20:04 | 3°♄13'48 | | opposition | -471 Feb 07 j 00:39 | 13°♃17'21 | 0°46'51 |
| conjunction | -479 Jul 06 j 18:37 | 7°♄40'40 | 0°26'02 | min. Earth dist. | -471 Feb 08 j 00:57 | 13°♃14'42 | 17.29520 AU |
| minimum elong | -479 Jul 06 j 18:37 | 7°♄40'40 | 0°26'03 | direct | -471 Apr 24 j 10:24 | 11°♃10'43 | |
| max. Earth dist. | -479 Jul 05 j 15:50 | 7°♄36'31 | 19.50521 AU | max. Earth dist. | -471 Aug 03 j 13:05 | 15°♃ | |
| retrograde | -479 Oct 23 j 17:54 | 12°♄02'32 | | max. Earth dist. | -471 Aug 13 j 21:35 | 15°♃39'02 | 19.29072 AU |
| opposition | -478 Jan 05 j 05:07 | 10°♄00'04 | 0°30'35 | conjunction | -471 Aug 15 j 01:21 | 15°♃43'25 | 0°42'34 |
| min. Earth dist. | -478 Jan 06 j 03:33 | 9°♄57'37 | 17.48422 AU | minimum elong | -471 Aug 15 j 01:21 | 15°♃43'25 | 0°42'34 |
| direct | -478 Mar 21 j 20:16 | 7°♄54'30 | | retrograde | -471 Nov 30 j 16:43 | 20°♃06'49 | |
| conjunction | -478 Jul 11 j 22:06 | 12°♄22'33 | 0°28'53 | opposition | -470 Feb 12 j 01:45 | 18°♃04'35 | 0°47'59 |
| minimum elong | -478 Jul 11 j 22:06 | 12°♄22'33 | 0°28'53 | min. Earth dist. | -470 Feb 13 j 00:58 | 18°♃02'03 | 17.28880 AU |
| max. Earth dist. | -478 Jul 10 j 18:28 | 12°♄18'16 | 19.46359 AU | direct | -470 Apr 29 j 13:51 | 15°♃57'53 | |
| retrograde | -478 Oct 28 j 16:03 | 16°♄44'54 | | max. Earth dist. | -470 Aug 19 j 03:12 | 20°♃26'39 | 19.28748 AU |
| opposition | -477 Jan 10 j 02:41 | 14°♄42'29 | 0°33'40 | conjunction | -470 Aug 20 j 04:42 | 20°♃30'41 | 0°43'26 |
| min. Earth dist. | -477 Jan 11 j 02:48 | 14°♄39'51 | 17.44459 AU | minimum elong | -470 Aug 20 j 04:42 | 20°♃30'41 | 0°43'25 |
| direct | -477 Mar 26 j 18:34 | 12°♄36'43 | | retrograde | -470 Dec 05 j 17:43 | 24°♃53'55 | |
| max. Earth dist. | -477 Jul 15 j 21:19 | 17°♄01'25 | 19.42580 AU | opposition | -469 Feb 17 j 03:25 | 22°♃51'44 | 0°48'48 |
| conjunction | -477 Jul 17 j 01:47 | 17°♄05'51 | 0°31'32 | min. Earth dist. | -469 Feb 18 j 01:48 | 22°♃49'18 | 17.28877 AU |
| minimum elong | -477 Jul 17 j 01:47 | 17°♄05'51 | 0°31'33 | direct | -469 May 04 j 17:31 | 20°♃45'05 | |
| retrograde | -477 Nov 02 j 16:48 | 21°♄28'35 | | max. Earth dist. | -469 Aug 24 j 06:13 | 25°♃13'49 | 19.29084 AU |
| opposition | -476 Jan 15 j 00:49 | 19°♄26'13 | 0°36'32 | conjunction | -469 Aug 25 j 07:22 | 25°♃17'47 | 0°44'00 |
| min. Earth dist. | -476 Jan 16 j 00:29 | 19°♄23'38 | 17.40869 AU | minimum elong | -469 Aug 25 j 07:22 | 25°♃17'47 | 0°44'01 |
| direct | -476 Mar 30 j 21:01 | 17°♄20'16 | | retrograde | -469 Dec 10 j 17:33 | 29°♃40'49 | |
| max. Earth dist. | -476 Jul 20 j 01:21 | 21°♄45'55 | 19.39174 AU | opposition | -468 Feb 22 j 05:19 | 27°♃38'42 | 0°49'16 |
| conjunction | -476 Jul 21 j 05:50 | 21°♄50'21 | 0°34'00 | min. Earth dist. | -468 Feb 23 j 02:27 | 27°♃36'25 | 17.29559 AU |
| minimum elong | -476 Jul 21 j 05:50 | 21°♄50'21 | 0°34'01 | direct | -468 May 08 j 20:36 | 25°♃32'08 | |
| retrograde | -476 Nov 06 j 15:15 | 26°♄13'24 | | max. Earth dist. | -468 Aug 28 j 11:10 | 0°♄01'04 | 19.30105 AU |
| opposition | -475 Jan 18 j 23:46 | 24°♄11'04 | 0°39'09 | retrograde | -468 Aug 28 j 04:28 | 0°♄ | |
| min. Earth dist. | -475 Jan 20 j 00:47 | 24°♄08'20 | 17.37674 AU | conjunction | -468 Aug 29 j 09:49 | 0°♄04'39 | 0°44'16 |
| direct | -475 Apr 04 j 21:01 | 22°♄04'57 | | minimum elong | -468 Aug 29 j 09:49 | 0°♄04'39 | 0°44'16 |
| max. Earth dist. | -475 Jul 25 j 04:26 | 26°♄31'15 | 19.36189 AU | retrograde | -468 Dec 14 j 18:32 | 4°♄27'23 | |
| conjunction | -475 Jul 26 j 09:49 | 26°♄35'51 | 0°36'14 | opposition | -467 Feb 26 j 07:17 | 2°♄25'24 | 0°49'23 |
| minimum elong | -475 Jul 26 j 09:49 | 26°♄35'51 | 0°36'14 | min. Earth dist. | -467 Feb 27 j 02:55 | 2°♄23'16 | 17.30897 AU |
| retrograde | -475 Sep 26 j 01:32 | 0°♃ | | direct | -467 May 14 j 01:07 | 0°♄18'59 | |
| retrograde | -475 Nov 11 j 16:17 | 0°♃59'09 | | conjunction | -467 Sep 03 j 11:42 | 4°♄51'10 | 0°44'14 |
| opposition | -474 Jan 23 j 23:09 | 28°♄56'50 | 0°41'31 | minimum elong | -467 Sep 03 j 11:42 | 4°♄51'10 | 0°44'14 |
| min. Earth dist. | -474 Jan 24 j 23:30 | 28°♄54'10 | 17.34900 AU | max. Earth dist. | -467 Sep 02 j 13:50 | 4°♄47'42 | 19.31769 AU |
| direct | -474 Apr 10 j 01:14 | 26°♄50'33 | | retrograde | -467 Dec 19 j 17:26 | 9°♄13'34 | |
| max. Earth dist. | -474 Jul 09 j 10:23 | 0°♃ | | opposition | -466 Mar 03 j 09:32 | 7°♄11'43 | 0°49'10 |
| conjunction | -474 Jul 30 j 09:32 | 1°♃17'39 | 19.33629 AU | min. Earth dist. | -466 Mar 04 j 04:15 | 7°♄09'42 | 17.32869 AU |
| conjunction | -474 Jul 31 j 14:05 | 1°♃22'08 | 0°38'13 | direct | -466 May 19 j 04:32 | 5°♄05'30 | |
| minimum elong | -474 Jul 31 j 14:05 | 1°♃22'08 | 0°38'14 | conjunction | -466 Sep 08 j 13:06 | 9°♄37'12 | 0°43'53 |
| retrograde | -474 Nov 16 j 15:10 | 5°♃45'34 | | minimum elong | -466 Sep 08 j 13:06 | 9°♄37'12 | 0°43'54 |
| opposition | -473 Jan 28 j 23:12 | 3°♃43'16 | 0°43'36 | max. Earth dist. | -466 Sep 07 j 17:29 | 9°♄34'06 | 19.34035 AU |
| min. Earth dist. | -473 Jan 30 j 00:24 | 3°♃40'31 | 17.32578 AU | retrograde | -466 Dec 24 j 17:46 | 13°♄59'13 | |
| direct | -473 Apr 15 j 03:09 | 1°♃36'51 | | opposition | -465 Mar 08 j 11:53 | 11°♄57'32 | 0°48'37 |
| conjunction | -473 Aug 05 j 18:05 | 6°♃08'57 | 0°39'57 | min. Earth dist. | -465 Mar 09 j 04:38 | 11°♄55'43 | 17.35394 AU |
| minimum elong | -473 Aug 05 j 18:05 | 6°♃08'57 | 0°39'57 | direct | -465 May 24 j 10:12 | 9°♄51'34 | |
| max. Earth dist. | -473 Aug 04 j 12:50 | 6°♃04'21 | 19.31562 AU | conjunction | -465 Sep 13 j 13:55 | 14°♄22'38 | 0°43'15 |
| retrograde | -473 Nov 21 j 16:05 | 10°♃32'28 | | minimum elong | -465 Sep 13 j 13:55 | 14°♄22'38 | 0°43'15 |
| opposition | -472 Feb 02 j 23:41 | 8°♃30'11 | 0°45'23 | max. Earth dist. | -465 Sep 12 j 19:37 | 14°♄19'45 | 19.36825 AU |
| | | | | retrograde | -465 Dec 29 j 15:53 | 18°♄44'11 | |

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Attention, astronomical year style is used: The year -464 in astronomical counting style is the year 465 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------------------------------|-------------|------------------|---------------------|-----------------------------------|-------------|
| opposition | -464 Mar 12 j 14:23 | 16° \mathring{M} 42'39 | 0°47'44 | opposition | -456 Apr 20 j 01:19 | 23° \mathring{L} 56'46 | 0°30'18 |
| min. Earth dist. | -464 Mar 13 j 06:25 | 16° \mathring{M} 40'56 | 17.38436 AU | min. Earth dist. | -456 Apr 20 j 03:04 | 23° \mathring{L} 56'35 | 17.75653 AU |
| direct | -464 May 28 j 13:14 | 14° \mathring{M} 36'56 | | direct | -456 Jul 06 j 06:25 | 21° \mathring{L} 53'25 | |
| conjunction | -464 Sep 17 j 14:00 | 19° \mathring{M} 07'15 | 0°42'19 | conjunction | -456 Oct 24 j 09:35 | 26° \mathring{L} 13'47 | 0°25'50 |
| minimum elong | -464 Sep 17 j 14:00 | 19° \mathring{M} 07'15 | 0°42'19 | minimum elong | -456 Oct 24 j 09:35 | 26° \mathring{L} 13'47 | 0°25'49 |
| max. Earth dist. | -464 Sep 16 j 21:32 | 19° \mathring{M} 04'39 | 19.40100 AU | max. Earth dist. | -456 Oct 24 j 08:32 | 26° \mathring{L} 13'37 | 19.78680 AU |
| retrograde | -463 Jan 02 j 15:50 | 23° \mathring{M} 28'16 | | retrograde | -455 Jan 06 j 17:27 | 0° \mathring{M} | |
| opposition | -463 Mar 17 j 16:43 | 21° \mathring{M} 26'53 | 0°46'32 | retrograde | -455 Feb 08 j 14:06 | 0° \mathring{M} 28'51 | |
| min. Earth dist. | -463 Mar 18 j 06:26 | 21° \mathring{M} 25'25 | 17.41909 AU | retrograde | -455 Mar 14 j 07:25 | 30° \mathring{R} \mathring{L} | |
| direct | -463 Jun 02 j 18:38 | 19° \mathring{M} 21'27 | | opposition | -455 Apr 25 j 00:28 | 28° \mathring{L} 28'12 | 0°27'08 |
| conjunction | -463 Sep 22 j 13:32 | 23° \mathring{M} 50'52 | 0°41'06 | min. Earth dist. | -455 Apr 24 j 23:12 | 28° \mathring{L} 28'20 | 17.81766 AU |
| minimum elong | -463 Sep 22 j 13:32 | 23° \mathring{M} 50'52 | 0°41'05 | direct | -455 Jul 11 j 06:28 | 26° \mathring{L} 25'13 | |
| max. Earth dist. | -463 Sep 21 j 22:49 | 23° \mathring{M} 48'32 | 19.43771 AU | direct | -455 Oct 17 j 03:47 | 0° \mathring{M} | |
| retrograde | -462 Jan 07 j 13:12 | 28° \mathring{M} 11'17 | | conjunction | -455 Oct 29 j 01:57 | 0° \mathring{M} 44'05 | 0°22'56 |
| opposition | -462 Mar 22 j 18:58 | 26° \mathring{M} 10'01 | 0°45'00 | minimum elong | -455 Oct 29 j 01:57 | 0° \mathring{M} 44'05 | 0°22'55 |
| min. Earth dist. | -462 Mar 23 j 08:10 | 26° \mathring{M} 08'37 | 17.45771 AU | max. Earth dist. | -455 Oct 29 j 04:21 | 0° \mathring{M} 44'27 | 19.84946 AU |
| direct | -462 Jun 07 j 20:59 | 24° \mathring{M} 04'52 | | retrograde | -454 Feb 13 j 07:06 | 4° \mathring{M} 58'19 | |
| conjunction | -462 Sep 27 j 12:16 | 28° \mathring{M} 33'16 | 0°39'36 | opposition | -454 Apr 29 j 23:06 | 2° \mathring{M} 57'49 | 0°23'49 |
| minimum elong | -462 Sep 27 j 12:16 | 28° \mathring{M} 33'16 | 0°39'35 | min. Earth dist. | -454 Apr 29 j 20:10 | 2° \mathring{M} 58'07 | 17.88172 AU |
| max. Earth dist. | -462 Sep 26 j 22:58 | 28° \mathring{M} 31'11 | 19.47818 AU | direct | -454 Jul 16 j 04:18 | 0° \mathring{M} 55'16 | |
| retrograde | -462 Oct 20 j 20:23 | 0° \mathring{L} | | conjunction | -454 Nov 02 j 17:19 | 5° \mathring{M} 12'36 | 0°19'54 |
| retrograde | -461 Jan 12 j 12:34 | 2° \mathring{L} 53'02 | | minimum elong | -454 Nov 02 j 17:19 | 5° \mathring{M} 12'36 | 0°19'55 |
| opposition | -461 Mar 27 j 21:02 | 0° \mathring{L} 51'54 | 0°43'11 | max. Earth dist. | -454 Nov 02 j 20:56 | 5° \mathring{M} 13'09 | 19.91498 AU |
| min. Earth dist. | -461 Mar 28 j 07:35 | 0° \mathring{L} 50'47 | 17.49973 AU | retrograde | -453 Feb 18 j 01:44 | 9° \mathring{M} 26'01 | |
| direct | -461 Apr 17 j 21:32 | 30° \mathring{R} \mathring{M} | | opposition | -453 May 04 j 21:08 | 7° \mathring{M} 25'39 | 0°20'23 |
| direct | -461 Jun 13 j 01:25 | 28° \mathring{M} 47'02 | | min. Earth dist. | -453 May 04 j 15:30 | 7° \mathring{M} 26'14 | 17.94845 AU |
| direct | -461 Aug 05 j 18:21 | 0° \mathring{L} | | direct | -453 Jul 21 j 02:27 | 5° \mathring{M} 23'33 | |
| conjunction | -461 Oct 02 j 10:09 | 3° \mathring{L} 14'18 | 0°37'51 | conjunction | -453 Nov 07 j 07:54 | 9° \mathring{M} 39'21 | 0°16'47 |
| minimum elong | -461 Oct 02 j 10:09 | 3° \mathring{L} 14'18 | 0°37'51 | minimum elong | -453 Nov 07 j 07:54 | 9° \mathring{M} 39'21 | 0°16'46 |
| max. Earth dist. | -461 Oct 01 j 23:10 | 3° \mathring{L} 12'35 | 19.52182 AU | max. Earth dist. | -453 Nov 07 j 14:52 | 9° \mathring{M} 40'25 | 19.98268 AU |
| retrograde | -460 Jan 17 j 09:05 | 7° \mathring{L} 33'23 | | retrograde | -452 Feb 22 j 17:46 | 13° \mathring{M} 51'58 | |
| opposition | -460 Mar 31 j 22:55 | 5° \mathring{L} 32'21 | 0°41'05 | opposition | -452 May 08 j 18:32 | 11° \mathring{M} 51'46 | 0°16'52 |
| min. Earth dist. | -460 Apr 01 j 08:49 | 5° \mathring{L} 31'18 | 17.54493 AU | min. Earth dist. | -452 May 08 j 11:10 | 11° \mathring{M} 52'31 | 18.01685 AU |
| direct | -460 Jun 17 j 02:45 | 3° \mathring{L} 27'46 | | direct | -452 Jul 24 j 23:19 | 9° \mathring{M} 50'07 | |
| conjunction | -460 Oct 06 j 07:08 | 7° \mathring{L} 53'48 | 0°35'51 | conjunction | -452 Nov 10 j 21:38 | 14° \mathring{M} 04'22 | 0°13'35 |
| minimum elong | -460 Oct 06 j 07:08 | 7° \mathring{L} 53'48 | 0°35'50 | minimum elong | -452 Nov 10 j 21:38 | 14° \mathring{M} 04'22 | 0°13'35 |
| max. Earth dist. | -460 Oct 05 j 21:21 | 7° \mathring{L} 52'16 | 19.56863 AU | behind sun begin | -452 Nov 10 j 17:54 | 14° \mathring{M} 03'49 | |
| retrograde | -459 Jan 21 j 07:27 | 12° \mathring{L} 12'07 | | behind sun end | -452 Nov 11 j 01:22 | 14° \mathring{M} 04'56 | |
| opposition | -459 Apr 06 j 00:03 | 10° \mathring{L} 11'10 | 0°38'43 | max. Earth dist. | -452 Nov 11 j 05:35 | 14° \mathring{M} 05'34 | 20.05173 AU |
| min. Earth dist. | -459 Apr 06 j 07:10 | 10° \mathring{L} 10'25 | 17.59314 AU | retrograde | -452 Nov 26 j 03:29 | 15° \mathring{M} | |
| direct | -459 Jun 22 j 05:51 | 8° \mathring{L} 06'51 | | retrograde | -451 Feb 26 j 10:20 | 18° \mathring{M} 16'11 | |
| conjunction | -459 Oct 11 j 03:20 | 12° \mathring{L} 31'35 | 0°33'37 | opposition | -451 May 13 j 15:06 | 16° \mathring{M} 16'08 | 0°13'15 |
| minimum elong | -459 Oct 11 j 03:20 | 12° \mathring{L} 31'35 | 0°33'38 | min. Earth dist. | -451 May 13 j 05:42 | 16° \mathring{M} 17'06 | 18.08637 AU |
| max. Earth dist. | -459 Oct 10 j 20:20 | 12° \mathring{L} 30'30 | 19.61835 AU | direct | -451 Jun 16 j 01:45 | 15° \mathring{R} \mathring{M} | |
| retrograde | -458 Jan 26 j 02:37 | 16° \mathring{L} 49'07 | | direct | -451 Jul 29 j 19:04 | 14° \mathring{M} 14'56 | |
| opposition | -458 Apr 11 j 01:05 | 14° \mathring{L} 48'14 | 0°36'07 | direct | -451 Sep 09 j 21:42 | 15° \mathring{M} | |
| min. Earth dist. | -458 Apr 11 j 07:16 | 14° \mathring{L} 47'35 | 17.64434 AU | conjunction | -451 Nov 15 j 10:48 | 18° \mathring{M} 27'40 | 0°10'20 |
| direct | -458 Jun 27 j 06:02 | 12° \mathring{L} 44'14 | | minimum elong | -451 Nov 15 j 10:47 | 18° \mathring{M} 27'40 | 0°10'19 |
| conjunction | -458 Oct 15 j 22:17 | 17° \mathring{L} 07'33 | 0°31'12 | behind sun begin | -451 Nov 15 j 05:34 | 18° \mathring{M} 26'53 | |
| minimum elong | -458 Oct 15 j 22:17 | 17° \mathring{L} 07'33 | 0°31'11 | behind sun end | -451 Nov 15 j 16:01 | 18° \mathring{M} 28'26 | |
| max. Earth dist. | -458 Oct 15 j 16:36 | 17° \mathring{L} 06'40 | 19.67121 AU | max. Earth dist. | -451 Nov 15 j 21:42 | 18° \mathring{M} 29'19 | 20.12141 AU |
| retrograde | -457 Jan 30 j 23:59 | 21° \mathring{L} 24'17 | | retrograde | -450 Mar 03 j 01:43 | 22° \mathring{M} 38'39 | |
| opposition | -457 Apr 16 j 01:27 | 19° \mathring{L} 23'27 | 0°33'18 | opposition | -450 May 18 j 11:13 | 20° \mathring{M} 38'47 | 0°09'36 |
| min. Earth dist. | -457 Apr 16 j 04:35 | 19° \mathring{L} 23'07 | 17.69877 AU | min. Earth dist. | -450 May 18 j 00:03 | 20° \mathring{M} 39'55 | 18.15600 AU |
| direct | -457 Jul 02 j 07:40 | 17° \mathring{L} 19'45 | | direct | -450 Aug 03 j 14:38 | 18° \mathring{M} 38'02 | |
| conjunction | -457 Oct 20 j 16:30 | 21° \mathring{L} 41'37 | 0°28'36 | conjunction | -450 Nov 19 j 22:55 | 22° \mathring{M} 49'12 | 0°07'02 |
| minimum elong | -457 Oct 20 j 16:30 | 21° \mathring{L} 41'37 | 0°28'36 | minimum elong | -450 Nov 19 j 22:55 | 22° \mathring{M} 49'12 | 0°07'02 |
| max. Earth dist. | -457 Oct 20 j 14:09 | 21° \mathring{L} 41'15 | 19.72729 AU | behind sun begin | -450 Nov 19 j 16:51 | 22° \mathring{M} 48'18 | |
| retrograde | -456 Feb 04 j 18:03 | 25° \mathring{L} 57'31 | | behind sun end | -450 Nov 20 j 05:00 | 22° \mathring{M} 50'06 | |
| | | | | max. Earth dist. | -450 Nov 20 j 10:40 | 22° \mathring{M} 50'58 | 20.19088 AU |

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Attention, astronomical year style is used: The year -449 in astronomical counting style is the year 450 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-------------------------------|-------------|------------------|---------------------|-------------------------------|-------------|
| retrograde | -449 Mar 07 j 16:29 | 26° \mathbb{M} 59'25 | | direct | -443 Sep 03 j 02:10 | 18° \mathbb{A} 27'36 | |
| opposition | -449 May 23 j 06:42 | 24° \mathbb{M} 59'40 | 0°05'54 | | | | |
| min. Earth dist. | -449 May 22 j 17:59 | 25° \mathbb{M} 00'57 | 18.22524 AU | conjunction | -443 Dec 18 j 17:25 | 22° \mathbb{A} 28'41 | 0°-15'-39 |
| direct | -449 Aug 08 j 07:59 | 22° \mathbb{M} 59'19 | | minimum elong | -443 Dec 18 j 17:25 | 22° \mathbb{A} 28'41 | 0°15'41 |
| | | | | behind sun begin | -443 Dec 18 j 15:37 | 22° \mathbb{A} 28'26 | |
| conjunction | -449 Nov 24 j 10:39 | 27° \mathbb{M} 08'58 | 0°03'43 | behind sun end | -443 Dec 18 j 19:12 | 22° \mathbb{A} 28'57 | |
| minimum elong | -449 Nov 24 j 10:39 | 27° \mathbb{M} 08'58 | 0°03'43 | max. Earth dist. | -443 Dec 19 j 15:45 | 22° \mathbb{A} 31'59 | 20.63134 AU |
| behind sun begin | -449 Nov 24 j 04:10 | 27° \mathbb{M} 08'01 | | retrograde | -442 Apr 06 j 08:44 | 26° \mathbb{A} 33'38 | |
| behind sun end | -449 Nov 24 j 17:07 | 27° \mathbb{M} 09'55 | | min. Earth dist. | -442 Jun 22 j 01:54 | 24° \mathbb{A} 36'29 | 18.65945 AU |
| max. Earth dist. | -449 Nov 25 j 00:56 | 27° \mathbb{M} 11'07 | 20.25953 AU | opposition | -442 Jun 23 j 00:33 | 24° \mathbb{A} 34'13 | 0°-18'-58 |
| | -448 Jan 15 j 05:09 | 0° \mathbb{A} | | direct | -442 Sep 07 j 14:58 | 22° \mathbb{A} 35'58 | |
| retrograde | -448 Mar 11 j 06:59 | 1° \mathbb{A} 18'22 | | | | | |
| | -448 May 09 j 18:41 | 30° \mathbb{R} \mathbb{M} | | conjunction | -442 Dec 23 j 00:14 | 26° \mathbb{A} 35'50 | 0°-18'-36 |
| min. Earth dist. | -448 May 26 j 10:48 | 29° \mathbb{M} 20'12 | 18.29316 AU | minimum elong | -442 Dec 23 j 00:14 | 26° \mathbb{A} 35'50 | 0°18'37 |
| opposition | -448 May 27 j 01:13 | 29° \mathbb{M} 18'44 | 0°02'12 | max. Earth dist. | -442 Dec 23 j 23:17 | 26° \mathbb{A} 39'14 | 20.68690 AU |
| direct | -448 Aug 12 j 01:58 | 27° \mathbb{M} 18'47 | | | -441 Mar 01 j 07:53 | 0° \mathbb{C} | |
| | -448 Nov 03 j 09:23 | 0° \mathbb{A} | | retrograde | -441 Apr 10 j 18:36 | 0° \mathbb{C} 40'13 | |
| | | | | | -441 May 22 j 14:46 | 30° \mathbb{R} \mathbb{A} | |
| conjunction | -448 Nov 27 j 21:28 | 1° \mathbb{A} 26'55 | 0°00'20 | opposition | -441 Jun 27 j 13:53 | 28° \mathbb{A} 40'49 | 0°-22'-9 |
| minimum elong | -448 Nov 27 j 21:29 | 1° \mathbb{A} 26'55 | 0°00'19 | min. Earth dist. | -441 Jun 26 j 14:54 | 28° \mathbb{A} 43'08 | 18.71427 AU |
| behind sun begin | -448 Nov 27 j 14:59 | 1° \mathbb{A} 25'58 | | direct | -441 Sep 12 j 01:05 | 26° \mathbb{A} 42'51 | |
| behind sun end | -448 Nov 28 j 04:00 | 1° \mathbb{A} 27'52 | | | -441 Dec 15 j 10:27 | 0° \mathbb{C} | |
| max. Earth dist. | -448 Nov 28 j 12:17 | 1° \mathbb{A} 29'08 | 20.32658 AU | | | | |
| desc. node | -447 Jan 02 j 06:55 | 3° \mathbb{A} 29'35 | | conjunction | -441 Dec 27 j 06:52 | 0° \mathbb{C} 41'36 | 0°-21'-25 |
| retrograde | -447 Mar 15 j 20:25 | 5° \mathbb{A} 35'32 | | minimum elong | -441 Dec 27 j 06:52 | 0° \mathbb{C} 41'36 | 0°21'27 |
| opposition | -447 May 31 j 19:10 | 3° \mathbb{A} 35'59 | 0°-1'-28 | max. Earth dist. | -441 Dec 28 j 07:39 | 0° \mathbb{C} 45'15 | 20.74074 AU |
| min. Earth dist. | -447 May 31 j 03:44 | 3° \mathbb{A} 37'33 | 18.35935 AU | retrograde | -440 Apr 14 j 05:56 | 4° \mathbb{C} 45'26 | |
| direct | -447 Aug 16 j 17:23 | 1° \mathbb{A} 36'22 | | min. Earth dist. | -440 Jun 30 j 01:19 | 2° \mathbb{C} 48'37 | 18.76704 AU |
| | | | | opposition | -440 Jul 01 j 02:09 | 2° \mathbb{C} 46'07 | 0°-25'-13 |
| conjunction | -447 Dec 02 j 07:42 | 5° \mathbb{A} 43'01 | 0°-3'-3 | direct | -440 Sep 15 j 12:14 | 0° \mathbb{C} 48'27 | |
| minimum elong | -447 Dec 02 j 07:41 | 5° \mathbb{A} 43'01 | 0°03'03 | | | | |
| behind sun begin | -447 Dec 02 j 01:11 | 5° \mathbb{A} 42'04 | | conjunction | -440 Dec 30 j 12:58 | 4° \mathbb{C} 46'10 | 0°-24'-7 |
| behind sun end | -447 Dec 02 j 14:12 | 5° \mathbb{A} 43'58 | | minimum elong | -440 Dec 30 j 12:58 | 4° \mathbb{C} 46'10 | 0°24'08 |
| max. Earth dist. | -447 Dec 03 j 00:42 | 5° \mathbb{A} 45'34 | 20.39166 AU | max. Earth dist. | -440 Dec 31 j 14:12 | 4° \mathbb{C} 49'51 | 20.79230 AU |
| retrograde | -446 Mar 20 j 09:45 | 9° \mathbb{A} 50'50 | | retrograde | -439 Apr 18 j 14:54 | 8° \mathbb{C} 49'32 | |
| opposition | -446 Jun 05 j 12:16 | 7° \mathbb{A} 51'21 | 0°-5'-7 | opposition | -439 Jul 05 j 14:08 | 6° \mathbb{C} 50'18 | 0°-28'-8 |
| min. Earth dist. | -446 Jun 04 j 19:00 | 7° \mathbb{A} 53'06 | 18.42327 AU | min. Earth dist. | -439 Jul 04 j 13:26 | 6° \mathbb{C} 52'47 | 18.81744 AU |
| direct | -446 Aug 21 j 09:40 | 5° \mathbb{A} 52'03 | | direct | -439 Sep 19 j 20:26 | 4° \mathbb{C} 52'55 | |
| | | | | | | | |
| conjunction | -446 Dec 06 j 17:06 | 9° \mathbb{A} 57'13 | 0°-6'-18 | conjunction | -438 Jan 03 j 18:45 | 8° \mathbb{C} 49'41 | 0°-26'-42 |
| minimum elong | -446 Dec 06 j 17:06 | 9° \mathbb{A} 57'13 | 0°06'20 | minimum elong | -438 Jan 03 j 18:45 | 8° \mathbb{C} 49'41 | 0°26'44 |
| behind sun begin | -446 Dec 06 j 10:55 | 9° \mathbb{A} 56'19 | | max. Earth dist. | -438 Jan 04 j 21:25 | 8° \mathbb{C} 53'34 | 20.84130 AU |
| behind sun end | -446 Dec 06 j 23:17 | 9° \mathbb{A} 58'07 | | retrograde | -438 Apr 23 j 02:00 | 12° \mathbb{C} 52'38 | |
| max. Earth dist. | -446 Dec 07 j 10:38 | 9° \mathbb{A} 59'50 | 20.45450 AU | min. Earth dist. | -438 Jul 08 j 23:06 | 10° \mathbb{C} 56'08 | 18.86487 AU |
| retrograde | -445 Mar 24 j 22:01 | 14° \mathbb{A} 04'17 | | opposition | -438 Jul 10 j 01:26 | 10° \mathbb{C} 53'30 | 0°-30'-54 |
| min. Earth dist. | -445 Jun 09 j 10:39 | 12° \mathbb{A} 06'38 | 18.48517 AU | direct | -438 Sep 24 j 06:37 | 8° \mathbb{C} 56'24 | |
| opposition | -445 Jun 10 j 04:38 | 12° \mathbb{A} 04'49 | 0°-8'-43 | | | | |
| direct | -445 Aug 25 j 23:35 | 10° \mathbb{A} 05'46 | | conjunction | -437 Jan 08 j 00:20 | 12° \mathbb{C} 52'18 | 0°-29'-8 |
| | | | | minimum elong | -437 Jan 08 j 00:20 | 12° \mathbb{C} 52'18 | 0°29'09 |
| conjunction | -445 Dec 11 j 01:51 | 14° \mathbb{A} 09'31 | 0°-9'-30 | max. Earth dist. | -437 Jan 09 j 03:10 | 12° \mathbb{C} 56'12 | 20.88700 AU |
| minimum elong | -445 Dec 11 j 01:51 | 14° \mathbb{A} 09'31 | 0°09'31 | retrograde | -437 Apr 27 j 10:39 | 16° \mathbb{C} 54'54 | |
| behind sun begin | -445 Dec 10 j 20:23 | 14° \mathbb{A} 08'44 | | min. Earth dist. | -437 Jul 13 j 10:33 | 14° \mathbb{C} 58'25 | 18.90889 AU |
| behind sun end | -445 Dec 11 j 07:19 | 14° \mathbb{A} 10'19 | | opposition | -437 Jul 14 j 12:15 | 14° \mathbb{C} 55'51 | 0°-33'-30 |
| max. Earth dist. | -445 Dec 11 j 21:31 | 14° \mathbb{A} 12'27 | 20.51532 AU | direct | -437 Sep 28 j 13:16 | 12° \mathbb{C} 59'01 | |
| retrograde | -444 Mar 28 j 10:17 | 18° \mathbb{A} 15'50 | | | | | |
| opposition | -444 Jun 13 j 20:02 | 16° \mathbb{A} 16'22 | 0°-12'-14 | conjunction | -436 Jan 12 j 05:52 | 16° \mathbb{C} 54'08 | 0°-31'-25 |
| min. Earth dist. | -444 Jun 13 j 00:05 | 16° \mathbb{A} 18'23 | 18.54494 AU | minimum elong | -436 Jan 12 j 05:52 | 16° \mathbb{C} 54'08 | 0°31'27 |
| direct | -444 Aug 29 j 14:04 | 14° \mathbb{A} 17'36 | | max. Earth dist. | -436 Jan 13 j 09:33 | 16° \mathbb{C} 58'09 | 20.92903 AU |
| | | | | retrograde | -436 Apr 30 j 20:58 | 20° \mathbb{C} 56'25 | |
| conjunction | -444 Dec 14 j 09:52 | 18° \mathbb{A} 19'58 | 0°-12'-37 | opposition | -436 Jul 17 j 22:24 | 18° \mathbb{C} 57'27 | 0°-35'-56 |
| minimum elong | -444 Dec 14 j 09:52 | 18° \mathbb{A} 19'58 | 0°12'39 | min. Earth dist. | -436 Jul 16 j 19:33 | 19° \mathbb{C} 00'08 | 18.94874 AU |
| behind sun begin | -444 Dec 14 j 05:37 | 18° \mathbb{A} 19'21 | | direct | -436 Oct 01 j 22:53 | 17° \mathbb{C} 00'51 | |
| behind sun end | -444 Dec 14 j 14:07 | 18° \mathbb{A} 20'35 | | | | | |
| max. Earth dist. | -444 Dec 15 j 06:10 | 18° \mathbb{A} 22'59 | 20.57411 AU | conjunction | -435 Jan 15 j 11:08 | 20° \mathbb{C} 55'16 | 0°-33'-33 |
| retrograde | -443 Apr 01 j 21:08 | 22° \mathbb{A} 25'35 | | minimum elong | -435 Jan 15 j 11:08 | 20° \mathbb{C} 55'16 | 0°33'34 |
| opposition | -443 Jun 18 j 10:40 | 20° \mathbb{A} 26'07 | 0°-15'-39 | max. Earth dist. | -435 Jan 16 j 14:31 | 20° \mathbb{C} 59'14 | 20.96646 AU |
| min. Earth dist. | -443 Jun 17 j 14:10 | 20° \mathbb{A} 28'11 | 18.60302 AU | retrograde | -435 May 05 j 05:33 | 24° \mathbb{C} 57'18 | |

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Attention, astronomical year style is used: The year -435 in astronomical counting style is the year 436 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|-----------|-------------|------------------|---------------------|-----------|-------------|
| min. Earth dist. | -435 Jul 21 j 06:28 | 23°☾00'56 | 18.98386 AU | minimum elong | -427 Feb 16 j 04:36 | 22°☾43'41 | 0°43'52 |
| opposition | -435 Jul 22 j 08:14 | 22°☾58'22 | 0°-38'-11 | max. Earth dist. | -427 Feb 17 j 05:44 | 22°☾47'16 | 21.08811 AU |
| direct | -435 Oct 06 j 04:46 | 21°☾01'57 | | retrograde | -427 Jun 06 j 20:26 | 26°☾45'05 | |
| conjunction | -434 Jan 19 j 16:30 | 24°☾55'45 | 0°-35'-30 | opposition | -427 Aug 23 j 22:43 | 24°☾45'39 | 0°-48'-41 |
| minimum elong | -434 Jan 19 j 16:30 | 24°☾55'45 | 0°35'31 | min. Earth dist. | -427 Aug 23 j 00:07 | 24°☾47'55 | 19.08727 AU |
| max. Earth dist. | -434 Jan 20 j 20:14 | 24°☾59'45 | 20.99906 AU | direct | -427 Nov 07 j 04:10 | 22°☾49'25 | |
| retrograde | -434 May 09 j 14:56 | 28°☾57'33 | | conjunction | -426 Feb 20 j 10:22 | 26°☾41'02 | 0°-44'-14 |
| opposition | -434 Jul 26 j 17:31 | 26°☾58'38 | 0°-40'-15 | minimum elong | -426 Feb 20 j 10:22 | 26°☾41'02 | 0°44'16 |
| min. Earth dist. | -434 Jul 25 j 14:53 | 27°☾01'18 | 19.01378 AU | max. Earth dist. | -426 Feb 21 j 11:14 | 26°☾44'35 | 21.08456 AU |
| direct | -434 Oct 10 j 13:33 | 25°☾02'22 | | | -426 Apr 29 j 17:34 | 0°☾ | |
| conjunction | -433 Jan 23 j 21:39 | 28°☾55'36 | 0°-37'-17 | retrograde | -426 Jun 11 j 05:51 | 0°☾42'36 | |
| minimum elong | -433 Jan 23 j 21:39 | 28°☾55'36 | 0°37'18 | | -426 Jul 24 j 15:02 | 30°☾☾ | |
| max. Earth dist. | -433 Jan 25 j 00:44 | 28°☾59'29 | 21.02620 AU | min. Earth dist. | -426 Aug 27 j 06:14 | 28°☾45'25 | 19.08179 AU |
| retrograde | -433 Feb 11 j 18:10 | 0°☾ | | opposition | -426 Aug 28 j 05:06 | 28°☾43'07 | 0°-49'00 |
| min. Earth dist. | -433 May 13 j 23:06 | 2°☾57'12 | | direct | -426 Nov 11 j 09:33 | 26°☾46'51 | |
| opposition | -433 Jul 30 j 01:14 | 1°☾00'47 | 19.03825 AU | | -425 Feb 13 j 08:04 | 0°☾ | |
| direct | -433 Jul 31 j 02:30 | 0°☾58'15 | 0°-42'-6 | conjunction | -425 Feb 24 j 16:22 | 0°☾38'39 | 0°-44'-25 |
| | -433 Aug 25 j 13:03 | 30°☾☾ | | minimum elong | -425 Feb 24 j 16:22 | 0°☾38'39 | 0°44'26 |
| | -433 Oct 14 j 19:15 | 29°☾02'04 | | max. Earth dist. | -425 Feb 25 j 16:10 | 0°☾42'02 | 21.07710 AU |
| | -433 Dec 02 j 01:00 | 0°☾ | | retrograde | -425 Jun 15 j 12:36 | 4°☾40'27 | |
| conjunction | -432 Jan 28 j 02:55 | 2°☾54'49 | 0°-38'-52 | opposition | -425 Sep 01 j 11:35 | 2°☾40'56 | 0°-49'-4 |
| minimum elong | -432 Jan 28 j 02:55 | 2°☾54'49 | 0°38'53 | min. Earth dist. | -425 Aug 31 j 14:37 | 2°☾43'03 | 19.07233 AU |
| max. Earth dist. | -432 Jan 29 j 06:02 | 2°☾58'42 | 21.04801 AU | direct | -425 Nov 15 j 12:56 | 0°☾44'38 | |
| retrograde | -432 May 17 j 07:35 | 6°☾56'14 | | conjunction | -424 Feb 28 j 22:55 | 4°☾36'41 | 0°-44'-23 |
| min. Earth dist. | -432 Aug 02 j 08:46 | 4°☾59'49 | 19.05735 AU | minimum elong | -424 Feb 28 j 22:55 | 4°☾36'41 | 0°44'25 |
| opposition | -432 Aug 03 j 10:39 | 4°☾57'14 | 0°-43'-45 | max. Earth dist. | -424 Feb 29 j 21:59 | 4°☾39'58 | 21.06567 AU |
| direct | -432 Oct 18 j 02:40 | 3°☾01'05 | | retrograde | -424 Jun 18 j 22:28 | 8°☾38'48 | |
| conjunction | -431 Jan 31 j 07:56 | 6°☾53'24 | 0°-40'-16 | opposition | -424 Sep 04 j 17:45 | 6°☾39'15 | 0°-48'-55 |
| minimum elong | -431 Jan 31 j 07:56 | 6°☾53'24 | 0°40'18 | min. Earth dist. | -424 Sep 03 j 20:55 | 6°☾41'22 | 19.05868 AU |
| max. Earth dist. | -431 Feb 01 j 10:23 | 6°☾57'12 | 21.06455 AU | direct | -424 Nov 18 j 18:18 | 4°☾42'54 | |
| retrograde | -431 May 21 j 14:38 | 10°☾54'43 | | conjunction | -423 Mar 04 j 05:50 | 8°☾35'20 | 0°-44'-8 |
| opposition | -431 Aug 07 j 18:41 | 8°☾55'37 | 0°-45'-11 | minimum elong | -423 Mar 04 j 05:50 | 8°☾35'20 | 0°44'09 |
| min. Earth dist. | -431 Aug 06 j 18:12 | 8°☾58'04 | 19.07156 AU | max. Earth dist. | -423 Mar 05 j 03:28 | 8°☾38'25 | 21.04977 AU |
| direct | -431 Oct 22 j 08:01 | 6°☾59'29 | | retrograde | -423 Jun 23 j 06:03 | 12°☾37'49 | |
| conjunction | -430 Feb 04 j 12:54 | 10°☾51'27 | 0°-41'-28 | min. Earth dist. | -423 Sep 08 j 05:37 | 10°☾40'07 | 19.04046 AU |
| minimum elong | -430 Feb 04 j 12:54 | 10°☾51'27 | 0°41'29 | opposition | -423 Sep 09 j 00:13 | 10°☾38'14 | 0°-48'-32 |
| max. Earth dist. | -430 Feb 05 j 15:32 | 10°☾55'16 | 21.07654 AU | direct | -423 Nov 22 j 21:52 | 8°☾41'48 | |
| retrograde | -430 May 25 j 23:02 | 14°☾52'42 | | conjunction | -422 Mar 08 j 13:17 | 12°☾34'41 | 0°-43'-41 |
| min. Earth dist. | -430 Aug 11 j 00:58 | 12°☾56'01 | 19.08136 AU | minimum elong | -422 Mar 08 j 13:18 | 12°☾34'41 | 0°43'42 |
| opposition | -430 Aug 12 j 02:08 | 12°☾53'30 | 0°-46'-24 | max. Earth dist. | -422 Mar 09 j 09:47 | 12°☾37'36 | 21.02921 AU |
| direct | -430 Oct 26 j 14:26 | 10°☾57'20 | | retrograde | -422 Jun 27 j 16:26 | 16°☾37'35 | |
| conjunction | -429 Feb 08 j 18:00 | 14°☾49'05 | 0°-42'-28 | opposition | -422 Sep 13 j 06:37 | 14°☾37'57 | 0°-47'-55 |
| minimum elong | -429 Feb 08 j 18:00 | 14°☾49'05 | 0°42'29 | min. Earth dist. | -422 Sep 12 j 12:31 | 14°☾39'47 | 19.01726 AU |
| max. Earth dist. | -429 Feb 09 j 20:00 | 14°☾52'47 | 21.08421 AU | direct | -422 Nov 27 j 03:45 | 12°☾41'24 | |
| retrograde | -429 Feb 11 j 22:26 | 15°☾ | | conjunction | -421 Mar 12 j 21:26 | 16°☾34'50 | 0°-43'00 |
| min. Earth dist. | -429 May 30 j 05:27 | 18°☾50'18 | | minimum elong | -421 Mar 12 j 21:26 | 16°☾34'50 | 0°43'01 |
| opposition | -429 Aug 15 j 09:36 | 16°☾53'23 | 19.08713 AU | max. Earth dist. | -421 Mar 13 j 16:00 | 16°☾37'29 | 21.00329 AU |
| direct | -429 Aug 16 j 09:15 | 16°☾51'01 | 0°-47'-23 | retrograde | -421 Jul 02 j 00:42 | 20°☾38'11 | |
| | -429 Oct 16 j 12:02 | 15°☾☾ | | opposition | -421 Sep 17 j 13:08 | 18°☾38'28 | 0°-47'-3 |
| | -429 Oct 30 j 18:49 | 14°☾54'50 | | min. Earth dist. | -421 Sep 16 j 21:36 | 18°☾40'03 | 18.98862 AU |
| | -429 Nov 13 j 22:04 | 15°☾ | | direct | -421 Dec 01 j 07:45 | 16°☾41'46 | |
| conjunction | -428 Feb 12 j 23:20 | 18°☾46'26 | 0°-43'-16 | conjunction | -420 Mar 16 j 06:10 | 20°☾35'49 | 0°-42'-7 |
| minimum elong | -428 Feb 12 j 23:20 | 18°☾46'26 | 0°43'17 | minimum elong | -420 Mar 16 j 06:10 | 20°☾35'49 | 0°42'07 |
| max. Earth dist. | -428 Feb 14 j 01:15 | 18°☾50'08 | 21.08810 AU | max. Earth dist. | -420 Mar 16 j 23:03 | 20°☾38'13 | 20.97205 AU |
| retrograde | -428 Jun 02 j 14:14 | 22°☾47'42 | | retrograde | -420 Jul 05 j 11:22 | 24°☾39'38 | |
| opposition | -428 Aug 19 j 16:00 | 20°☾48'20 | 0°-48'-9 | opposition | -420 Sep 20 j 19:43 | 22°☾39'48 | 0°-45'-57 |
| min. Earth dist. | -428 Aug 18 j 15:49 | 20°☾50'46 | 19.08908 AU | min. Earth dist. | -420 Sep 20 j 04:55 | 22°☾41'18 | 18.95460 AU |
| direct | -428 Nov 03 j 00:34 | 18°☾52'07 | | direct | -420 Dec 04 j 14:19 | 20°☾42'53 | |
| conjunction | -427 Feb 16 j 04:36 | 22°☾43'41 | 0°-43'-51 | conjunction | -419 Mar 20 j 15:12 | 24°☾37'36 | 0°-41'00 |

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Attention, astronomical year style is used: The year -419 in astronomical counting style is the year 420 BCE in historical counting style.

| | | | | | | | |
|------------------|---------------------|------------------------|-------------|------------------|---------------------|------------------------|-------------|
| minimum elong | -419 Mar 20 j 15:12 | 24° ✕ 37'36 | 0°41'02 | minimum elong | -411 Apr 23 j 15:51 | 27° ∩ 30'56 | 0°25'09 |
| max. Earth dist. | -419 Mar 21 j 06:10 | 24° ✕ 39'44 | 20.93540 AU | max. Earth dist. | -411 Apr 23 j 16:34 | 27° ∩ 31'02 | 20.51793 AU |
| retrograde | -419 Jul 09 j 19:56 | 28° ✕ 41'56 | | | -411 Jun 08 j 07:13 | 0° ♁ | |
| opposition | -419 Sep 25 j 02:34 | 26° ✕ 41'57 | 0°-44'-37 | retrograde | -411 Aug 12 j 18:39 | 1° ♁ 40'44 | |
| min. Earth dist. | -419 Sep 24 j 14:19 | 26° ✕ 43'13 | 18.91542 AU | | -411 Oct 19 j 14:07 | 30° ♁ | |
| direct | -419 Dec 08 j 18:54 | 24° ✕ 44'48 | | opposition | -411 Oct 27 j 17:06 | 29° ∩ 39'35 | 0°-26'-20 |
| | | | | min. Earth dist. | -411 Oct 27 j 17:34 | 29° ∩ 39'32 | 18.48731 AU |
| conjunction | -418 Mar 25 j 01:00 | 28° ✕ 40'16 | 0°-39'-42 | direct | -410 Jan 10 j 05:38 | 27° ∩ 39'56 | |
| minimum elong | -418 Mar 25 j 01:00 | 28° ✕ 40'16 | 0°39'42 | | -410 Mar 28 j 13:49 | 0° ♁ | |
| max. Earth dist. | -418 Mar 25 j 14:14 | 28° ✕ 42'09 | 20.89405 AU | | | | |
| | -418 Apr 17 j 16:30 | 0° ∩ | | conjunction | -410 Apr 28 j 07:33 | 1° ♁ 44'20 | 0°-22'-24 |
| retrograde | -418 Jul 14 j 07:12 | 2° ∩ 45'08 | | minimum elong | -410 Apr 28 j 07:33 | 1° ♁ 44'20 | 0°22'25 |
| opposition | -418 Sep 29 j 09:17 | 0° ∩ 44'59 | 0°-43'-4 | max. Earth dist. | -410 Apr 28 j 05:42 | 1° ♁ 44'04 | 20.45664 AU |
| min. Earth dist. | -418 Sep 28 j 21:51 | 0° ∩ 46'09 | 18.87182 AU | retrograde | -410 Aug 17 j 09:28 | 5° ♁ 54'58 | |
| | -418 Oct 18 j 01:57 | 30° ♁ | | opposition | -410 Nov 01 j 02:47 | 3° ♁ 53'44 | 0°-23'-12 |
| direct | -418 Dec 13 j 01:58 | 28° ✕ 47'31 | | min. Earth dist. | -410 Nov 01 j 04:35 | 3° ♁ 53'33 | 18.42514 AU |
| | -417 Feb 05 j 02:47 | 0° ∩ | | direct | -409 Jan 14 j 16:05 | 1° ♁ 53'45 | |
| | | | | | | | |
| conjunction | -417 Mar 29 j 11:22 | 2° ∩ 43'50 | 0°-38'-10 | conjunction | -409 May 03 j 00:23 | 5° ♁ 59'36 | 0°-19'-30 |
| minimum elong | -417 Mar 29 j 11:22 | 2° ∩ 43'50 | 0°38'12 | minimum elong | -409 May 03 j 00:23 | 5° ♁ 59'36 | 0°19'31 |
| max. Earth dist. | -417 Mar 29 j 22:45 | 2° ∩ 45'28 | 20.84840 AU | max. Earth dist. | -409 May 02 j 20:50 | 5° ♁ 59'06 | 20.39347 AU |
| retrograde | -417 Jul 18 j 16:27 | 6° ∩ 49'17 | | retrograde | -409 Aug 21 j 23:54 | 10° ♁ 11'04 | |
| opposition | -417 Oct 03 j 16:21 | 4° ∩ 48'57 | 0°-41'-17 | opposition | -409 Nov 05 j 13:18 | 8° ♁ 09'46 | 0°-19'-55 |
| min. Earth dist. | -417 Oct 03 j 07:25 | 4° ∩ 49'53 | 18.82427 AU | min. Earth dist. | -409 Nov 05 j 17:32 | 8° ♁ 09'19 | 18.36100 AU |
| direct | -417 Dec 17 j 07:13 | 2° ∩ 51'11 | | direct | -408 Jan 19 j 02:27 | 6° ♁ 09'27 | |
| | | | | | | | |
| conjunction | -416 Apr 01 j 22:17 | 6° ∩ 48'25 | 0°-36'-28 | conjunction | -408 May 06 j 17:51 | 10° ♁ 16'46 | 0°-16'-28 |
| minimum elong | -416 Apr 01 j 22:18 | 6° ∩ 48'25 | 0°36'28 | minimum elong | -408 May 06 j 17:51 | 10° ♁ 16'46 | 0°16'29 |
| max. Earth dist. | -416 Apr 02 j 07:53 | 6° ∩ 49'47 | 20.79925 AU | max. Earth dist. | -408 May 06 j 11:16 | 10° ♁ 15'49 | 20.32842 AU |
| retrograde | -416 Jul 22 j 04:18 | 10° ∩ 54'29 | | retrograde | -408 Aug 25 j 15:43 | 14° ♁ 29'06 | |
| opposition | -416 Oct 06 j 23:28 | 8° ∩ 53'59 | 0°-39'-17 | opposition | -408 Nov 09 j 00:23 | 12° ♁ 27'40 | 0°-16'-30 |
| min. Earth dist. | -416 Oct 06 j 15:18 | 8° ∩ 54'49 | 18.77353 AU | min. Earth dist. | -408 Nov 09 j 06:09 | 12° ♁ 27'04 | 18.29499 AU |
| direct | -416 Dec 20 j 14:36 | 6° ∩ 55'54 | | direct | -407 Jan 22 j 15:12 | 10° ♁ 26'58 | |
| | | | | | | | |
| conjunction | -415 Apr 06 j 09:52 | 10° ∩ 54'07 | 0°-34'-33 | conjunction | -407 May 11 j 12:26 | 14° ♁ 35'48 | 0°-13'-20 |
| minimum elong | -415 Apr 06 j 09:52 | 10° ∩ 54'07 | 0°34'34 | minimum elong | -407 May 11 j 12:26 | 14° ♁ 35'48 | 0°13'21 |
| max. Earth dist. | -415 Apr 06 j 17:48 | 10° ∩ 55'16 | 20.74707 AU | behind sun begin | -407 May 11 j 08:43 | 14° ♁ 35'16 | |
| retrograde | -415 Jul 26 j 14:56 | 15° ∩ 00'51 | | behind sun end | -407 May 11 j 16:09 | 14° ♁ 36'20 | |
| opposition | -415 Oct 11 j 07:01 | 13° ∩ 00'11 | 0°-37'-5 | max. Earth dist. | -407 May 11 j 04:17 | 14° ♁ 34'36 | 20.26137 AU |
| min. Earth dist. | -415 Oct 11 j 01:11 | 13° ∩ 00'48 | 18.72009 AU | | -407 May 18 j 08:54 | 15° ♁ | |
| direct | -415 Dec 24 j 20:45 | 11° ∩ 01'47 | | retrograde | -407 Aug 30 j 06:56 | 18° ♁ 48'56 | |
| | | | | opposition | -407 Nov 13 j 12:08 | 16° ♁ 47'24 | 0°-12'-57 |
| conjunction | -414 Apr 10 j 22:09 | 15° ∩ 01'05 | 0°-32'-28 | min. Earth dist. | -407 Nov 13 j 20:11 | 16° ♁ 46'33 | 18.22707 AU |
| minimum elong | -414 Apr 10 j 22:09 | 15° ∩ 01'05 | 0°32'28 | | -406 Jan 04 j 06:15 | 15° ♁ | |
| max. Earth dist. | -414 Apr 11 j 04:09 | 15° ∩ 01'57 | 20.69260 AU | direct | -406 Jan 27 j 03:08 | 14° ♁ 46'17 | |
| retrograde | -414 Jul 31 j 03:39 | 19° ∩ 08'32 | | | -406 Feb 18 j 23:04 | 15° ♁ | |
| opposition | -414 Oct 15 j 14:50 | 17° ∩ 07'42 | 0°-34'-40 | | | | |
| min. Earth dist. | -414 Oct 15 j 09:49 | 17° ∩ 08'14 | 18.66450 AU | conjunction | -406 May 16 j 07:46 | 18° ♁ 56'37 | 0°-10'-6 |
| direct | -414 Dec 29 j 04:36 | 15° ∩ 08'58 | | minimum elong | -406 May 16 j 07:46 | 18° ♁ 56'37 | 0°10'06 |
| | | | | behind sun begin | -406 May 16 j 02:23 | 18° ♁ 55'51 | |
| conjunction | -413 Apr 15 j 11:18 | 19° ∩ 09'27 | 0°-30'-12 | behind sun end | -406 May 16 j 13:08 | 18° ♁ 57'24 | |
| minimum elong | -413 Apr 15 j 11:18 | 19° ∩ 09'27 | 0°30'12 | max. Earth dist. | -406 May 15 j 20:20 | 18° ♁ 54'56 | 20.19280 AU |
| max. Earth dist. | -413 Apr 15 j 15:40 | 19° ∩ 10'05 | 20.63597 AU | retrograde | -406 Sep 03 j 23:57 | 23° ♁ 10'36 | |
| retrograde | -413 Aug 04 j 15:38 | 23° ∩ 17'38 | | opposition | -406 Nov 18 j 00:30 | 21° ♁ 08'54 | 0°-9'-19 |
| opposition | -413 Oct 19 j 23:03 | 21° ∩ 16'41 | 0°-32'-4 | min. Earth dist. | -406 Nov 18 j 10:14 | 21° ♁ 07'51 | 18.15788 AU |
| min. Earth dist. | -413 Oct 19 j 20:20 | 21° ∩ 16'58 | 18.60696 AU | direct | -405 Jan 31 j 17:55 | 19° ♁ 07'20 | |
| direct | -412 Jan 02 j 11:59 | 19° ∩ 17'38 | | | | | |
| | | | | conjunction | -405 May 21 j 04:03 | 23° ♁ 19'13 | 0°-6'-47 |
| conjunction | -412 Apr 19 j 01:11 | 23° ∩ 19'21 | 0°-27'-45 | minimum elong | -405 May 21 j 04:03 | 23° ♁ 19'13 | 0°06'48 |
| minimum elong | -412 Apr 19 j 01:11 | 23° ∩ 19'21 | 0°27'46 | behind sun begin | -405 May 20 j 21:45 | 23° ♁ 18'18 | |
| max. Earth dist. | -412 Apr 19 j 03:22 | 23° ∩ 19'40 | 20.57776 AU | behind sun end | -405 May 21 j 10:21 | 23° ♁ 20'07 | |
| retrograde | -412 Aug 08 j 05:25 | 27° ∩ 28'19 | | max. Earth dist. | -405 May 20 j 15:23 | 23° ♁ 17'21 | 20.12306 AU |
| opposition | -412 Oct 23 j 07:46 | 25° ∩ 27'16 | 0°-29'-17 | retrograde | -405 Sep 08 j 16:03 | 27° ♁ 33'58 | |
| min. Earth dist. | -412 Oct 23 j 05:57 | 25° ∩ 27'27 | 18.54794 AU | opposition | -405 Nov 22 j 13:29 | 25° ♁ 32'08 | 0°-5'-35 |
| direct | -411 Jan 05 j 20:45 | 23° ∩ 27'54 | | min. Earth dist. | -405 Nov 23 j 01:08 | 25° ♁ 30'53 | 18.08786 AU |
| | | | | direct | -404 Feb 05 j 07:50 | 23° ♁ 30'08 | |
| conjunction | -411 Apr 23 j 15:50 | 27° ∩ 30'56 | 0°-25'-9 | max. Earth dist. | -404 May 24 j 09:07 | 27° ♁ 41'12 | 20.05309 AU |

Attention, astronomical year style is used: The year -404 in astronomical counting style is the year 405 BCE in historical counting style.

| | | | |
|------------------|---------------------|-------------------------|-------------|
| conjunction | -404 May 25 j 00:54 | 27° \mathcal{R} 43'32 | 0°-3'-25 |
| minimum elong | -404 May 25 j 00:53 | 27° \mathcal{R} 43'32 | 0°03'25 |
| behind sun begin | -404 May 24 j 18:09 | 27° \mathcal{R} 42'33 | |
| behind sun end | -404 May 25 j 07:37 | 27° \mathcal{R} 44'31 | |
| | -404 Jul 04 j 03:09 | 0° \mathbb{I} | |
| retrograde | -404 Sep 12 j 09:50 | 1° \mathbb{I} 59'06 | |
| | -404 Nov 25 j 00:07 | 30° \mathcal{R} | |
| opposition | -404 Nov 26 j 03:08 | 29° \mathcal{R} 57'06 | 0°-1'-49 |
| min. Earth dist. | -404 Nov 26 j 16:24 | 29° \mathcal{R} 55'40 | 18.01812 AU |
| direct | -403 Feb 08 j 23:51 | 27° \mathcal{R} 54'38 | |
| | -403 Apr 22 j 04:05 | 0° \mathbb{I} | |
| asc. node | -403 May 22 j 10:53 | 1° \mathbb{I} 42'45 | |
| conjunction | -403 May 29 j 22:30 | 2° \mathbb{I} 09'35 | 0°00'05 |
| minimum elong | -403 May 29 j 22:32 | 2° \mathbb{I} 09'35 | 0°00'05 |
| behind sun begin | -403 May 29 j 16:06 | 2° \mathbb{I} 08'39 | |
| behind sun end | -403 May 30 j 04:58 | 2° \mathbb{I} 10'31 | |
| max. Earth dist. | -403 May 29 j 06:05 | 2° \mathbb{I} 07'08 | 19.98360 AU |
| retrograde | -403 Sep 17 j 03:29 | 6° \mathbb{I} 25'55 | |
| opposition | -403 Nov 30 j 17:28 | 4° \mathbb{I} 23'47 | 0°01'59 |
| min. Earth dist. | -403 Dec 01 j 08:10 | 4° \mathbb{I} 22'12 | 17.94913 AU |
| direct | -402 Feb 13 j 15:54 | 2° \mathbb{I} 20'52 | |
| conjunction | -402 Jun 03 j 20:53 | 6° \mathbb{I} 37'22 | 0°03'35 |
| minimum elong | -402 Jun 03 j 20:54 | 6° \mathbb{I} 37'22 | 0°03'35 |
| behind sun begin | -402 Jun 03 j 14:10 | 6° \mathbb{I} 36'23 | |
| behind sun end | -402 Jun 04 j 03:38 | 6° \mathbb{I} 38'21 | |
| max. Earth dist. | -402 Jun 03 j 01:33 | 6° \mathbb{I} 34'28 | 19.91536 AU |
| retrograde | -402 Sep 21 j 21:54 | 10° \mathbb{I} 54'28 | |
| opposition | -402 Dec 05 j 08:25 | 8° \mathbb{I} 52'12 | 0°05'49 |
| min. Earth dist. | -402 Dec 06 j 00:44 | 8° \mathbb{I} 50'26 | 17.88190 AU |
| direct | -401 Feb 18 j 09:08 | 6° \mathbb{I} 48'50 | |
| conjunction | -401 Jun 08 j 20:07 | 11° \mathbb{I} 06'53 | 0°07'00 |
| minimum elong | -401 Jun 08 j 20:07 | 11° \mathbb{I} 06'53 | 0°07'01 |
| behind sun begin | -401 Jun 08 j 13:52 | 11° \mathbb{I} 05'58 | |
| behind sun end | -401 Jun 09 j 02:23 | 11° \mathbb{I} 07'49 | |
| max. Earth dist. | -401 Jun 08 j 00:26 | 11° \mathbb{I} 03'56 | 19.84911 AU |
| retrograde | -401 Sep 26 j 17:25 | 15° \mathbb{I} 24'44 | |
| opposition | -401 Dec 10 j 00:13 | 13° \mathbb{I} 22'22 | 0°09'37 |
| min. Earth dist. | -401 Dec 10 j 17:23 | 13° \mathbb{I} 20'30 | 17.81693 AU |
| direct | -400 Feb 23 j 03:07 | 11° \mathbb{I} 18'37 | |
| conjunction | -400 Jun 12 j 19:39 | 15° \mathbb{I} 38'11 | 0°10'24 |
| minimum elong | -400 Jun 12 j 19:39 | 15° \mathbb{I} 38'11 | 0°10'24 |
| behind sun begin | -400 Jun 12 j 14:23 | 15° \mathbb{I} 37'24 | |
| behind sun end | -400 Jun 13 j 00:55 | 15° \mathbb{I} 38'57 | |
| max. Earth dist. | -400 Jun 11 j 21:31 | 15° \mathbb{I} 34'50 | 19.78555 AU |
| retrograde | -400 Sep 30 j 12:53 | 19° \mathbb{I} 56'46 | |
| opposition | -400 Dec 13 j 16:48 | 17° \mathbb{I} 54'20 | 0°13'24 |
| min. Earth dist. | -400 Dec 14 j 11:26 | 17° \mathbb{I} 52'19 | 17.75508 AU |