

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|----------------------|------------|
| superior conj | -12900 Aug 03 j 05:33 | 12° ♁ 31'30 | 1°22'47 | minimum elong | -12898 Dec 27 j 07:49 | 7° ♁ 21'52 | 6°47'57 |
| minimum elong | -12900 Aug 03 j 06:59 | 12° ♁ 36'00 | 1°23'22 | min. Earth dist. | -12898 Dec 27 j 19:47 | 7° ♁ 02'47 | 0.29535 AU |
| max. Earth dist. | -12900 Aug 10 j 14:18 | 21° ♁ 46'41 | 1.71185 AU | morning rise | -12897 Jan 01 j 01:19 | 4° ♁ 23'52 | |
| | -12900 Aug 17 j 03:42 | 0° ♁ | | | -12897 Jan 10 j 02:53 | 30° ♁ | |
| | -12900 Sep 10 j 05:21 | 0° ♁ | | direct | -12897 Jan 18 j 14:06 | 28° ♁ 35'08 | |
| evening rise | -12900 Sep 15 j 19:36 | 6° ♁ 56'11 | | | -12897 Jan 27 j 11:08 | 0° ♁ | |
| desc. node | -12900 Sep 27 j 06:50 | 21° ♁ 06'53 | | greatest brilliancy | -12897 Jan 28 j 08:55 | 0° ♁ 17'26 | -4.7m |
| | -12900 Oct 04 j 11:51 | 0° ♁ | | morning max el | -12897 Mar 08 j 16:42 | 28° ♁ 25'22 | 46°13'16 |
| | -12900 Oct 28 j 22:33 | 0° ♁ | | | -12897 Mar 10 j 08:04 | 0° ♁ | |
| | -12900 Nov 22 j 13:32 | 0° ♁ | | desc. node | -12897 Mar 15 j 12:13 | 5° ♁ 05'50 | |
| | -12900 Dec 17 j 11:18 | 0° ♁ | | | -12897 Apr 07 j 23:00 | 0° ♁ | |
| | -12899 Jan 11 j 21:49 | 0° ♁ | | | -12897 May 04 j 00:09 | 0° ♁ | |
| asc. node | -12899 Jan 16 j 08:01 | 5° ♁ 07'29 | | | -12897 May 28 j 20:07 | 0° ♁ | |
| | -12899 Feb 07 j 07:47 | 0° ♁ | | | -12897 Jun 22 j 00:31 | 0° ♁ | |
| | -12899 Mar 07 j 17:40 | 0° ♁ | | asc. node | -12897 Jul 04 j 06:32 | 15° ♁ 21'43 | |
| evening max el | -12899 Mar 13 j 16:17 | 5° ♁ 47'50 | 46°01'22 | | -12897 Jul 15 j 21:36 | 0° ♁ | |
| | -12899 Apr 12 j 19:08 | 0° ♁ | | | -12897 Aug 08 j 17:06 | 0° ♁ | |
| greatest brilliancy | -12899 Apr 22 j 10:29 | 4° ♁ 30'07 | -4.8m | | -12897 Sep 01 j 15:03 | 0° ♁ | |
| retrograde | -12899 May 02 j 04:01 | 6° ♁ 12'16 | | morning set | -12897 Sep 09 j 20:30 | 10° ♁ 16'03 | |
| desc. node | -12899 May 10 j 08:20 | 4° ♁ 54'35 | | | -12897 Sep 25 j 17:38 | 0° ♁ | |
| evening set | -12899 May 16 j 15:08 | 2° ♁ 16'15 | | | -12897 Oct 20 j 00:54 | 0° ♁ | |
| | -12899 May 20 j 18:02 | 30° ♁ | | | | | |
| inferior conj | -12899 May 22 j 22:53 | 28° ♁ 42'25 | -3°03'12 | superior conj | -12897 Oct 21 j 21:06 | 2° ♁ 15'56 | 0°08'51 |
| minimum elong | -12899 May 22 j 16:15 | 28° ♁ 52'13 | 3°01'43 | minimum elong | -12897 Oct 21 j 23:29 | 2° ♁ 23'16 | 0°09'28 |
| min. Earth dist. | -12899 May 22 j 19:55 | 28° ♁ 46'48 | 0.26364 AU | behind sun begin | -12897 Oct 21 j 02:17 | 1° ♁ 18'04 | |
| morning rise | -12899 May 28 j 17:02 | 25° ♁ 25'59 | | behind sun end | -12897 Oct 22 j 20:41 | 3° ♁ 28'27 | |
| direct | -12899 Jun 12 j 10:30 | 21° ♁ 15'51 | | max. Earth dist. | -12897 Oct 25 j 04:37 | 6° ♁ 20'23 | 1.73137 AU |
| greatest brilliancy | -12899 Jun 23 j 09:23 | 23° ♁ 29'34 | -4.9m | desc. node | -12897 Oct 25 j 19:45 | 7° ♁ 06'51 | |
| | -12899 Jul 05 j 05:58 | 0° ♁ | | | -12897 Nov 13 j 11:10 | 0° ♁ | |
| morning max el | -12899 Aug 01 j 23:05 | 24° ♁ 25'43 | 46°35'41 | evening rise | -12897 Nov 30 j 08:00 | 20° ♁ 40'42 | |
| | -12899 Aug 07 j 07:49 | 0° ♁ | | | -12897 Dec 07 j 22:32 | 0° ♁ | |
| asc. node | -12899 Aug 29 j 07:52 | 24° ♁ 17'19 | | | -12896 Jan 01 j 10:26 | 0° ♁ | |
| | -12899 Sep 03 j 07:13 | 0° ♁ | | | -12896 Jan 26 j 00:25 | 0° ♁ | |
| | -12899 Sep 28 j 20:41 | 0° ♁ | | asc. node | -12896 Feb 13 j 18:08 | 22° ♁ 42'23 | |
| | -12899 Oct 24 j 00:21 | 0° ♁ | | | -12896 Feb 19 j 19:26 | 0° ♁ | |
| | -12899 Nov 18 j 02:02 | 0° ♁ | | | -12896 Mar 15 j 22:45 | 0° ♁ | |
| | -12899 Dec 13 j 02:32 | 0° ♁ | | | -12896 Apr 10 j 14:40 | 0° ♁ | |
| desc. node | -12899 Dec 20 j 21:39 | 9° ♁ 22'33 | | | -12896 May 07 j 05:51 | 0° ♁ | |
| | -12898 Jan 06 j 23:32 | 0° ♁ | | evening max el | -12896 May 26 j 05:20 | 20° ♁ 00'13 | 47°45'33 |
| | -12898 Jan 31 j 14:38 | 0° ♁ | | | -12896 Jun 05 j 12:55 | 0° ♁ | |
| morning set | -12898 Feb 02 j 21:10 | 2° ♁ 47'07 | | desc. node | -12896 Jun 06 j 18:03 | 1° ♁ 07'09 | |
| | -12898 Feb 24 j 23:12 | 0° ♁ | | greatest brilliancy | -12896 Jul 06 j 23:00 | 21° ♁ 52'57 | -4.9m |
| max. Earth dist. | -12898 Mar 05 j 00:46 | 10° ♁ 00'07 | 1.72746 AU | retrograde | -12896 Jul 16 j 07:37 | 23° ♁ 34'52 | |
| | | | | evening set | -12896 Aug 03 j 01:49 | 17° ♁ 25'08 | |
| superior conj | -12898 Mar 09 j 19:56 | 15° ♁ 57'50 | -1°03'34 | min. Earth dist. | -12896 Aug 05 j 08:04 | 16° ♁ 01'17 | 0.26965 AU |
| minimum elong | -12898 Mar 10 j 03:17 | 16° ♁ 20'40 | 1°04'11 | inferior conj | -12896 Aug 06 j 03:08 | 15° ♁ 31'27 | -8°37'25 |
| | -12898 Mar 21 j 02:29 | 0° ♁ | | minimum elong | -12896 Aug 06 j 06:17 | 15° ♁ 26'32 | 8°36'39 |
| asc. node | -12898 Apr 10 j 15:05 | 25° ♁ 38'31 | | morning rise | -12896 Aug 09 j 10:55 | 13° ♁ 28'34 | |
| evening rise | -12898 Apr 14 j 06:46 | 0° ♁ 12'44 | | direct | -12896 Aug 26 j 07:10 | 7° ♁ 49'25 | |
| | -12898 Apr 14 j 02:42 | 0° ♁ | | greatest brilliancy | -12896 Sep 04 j 19:16 | 9° ♁ 34'12 | -4.9m |
| | -12898 May 08 j 01:57 | 0° ♁ | | asc. node | -12896 Sep 25 j 19:57 | 22° ♁ 28'12 | |
| | -12898 Jun 01 j 02:02 | 0° ♁ | | | -12896 Oct 04 j 12:57 | 0° ♁ | |
| | -12898 Jun 25 j 04:51 | 0° ♁ | | morning max el | -12896 Oct 15 j 03:13 | 10° ♁ 07'12 | 46°14'30 |
| | -12898 Jul 19 j 12:58 | 0° ♁ | | | -12896 Nov 03 j 05:23 | 0° ♁ | |
| desc. node | -12898 Aug 02 j 10:54 | 16° ♁ 57'56 | | | -12896 Nov 30 j 06:39 | 0° ♁ | |
| | -12898 Aug 13 j 06:02 | 0° ♁ | | | -12896 Dec 26 j 10:32 | 0° ♁ | |
| | -12898 Sep 07 j 14:45 | 0° ♁ | | desc. node | -12895 Jan 17 j 11:56 | 25° ♁ 48'14 | |
| | -12898 Oct 04 j 08:06 | 0° ♁ | | | -12895 Jan 21 j 01:08 | 0° ♁ | |
| evening max el | -12898 Oct 18 j 07:00 | 14° ♁ 27'04 | 45°33'16 | | -12895 Feb 15 j 03:27 | 0° ♁ | |
| | -12898 Nov 04 j 07:00 | 0° ♁ | | | -12895 Mar 11 j 18:07 | 0° ♁ | |
| asc. node | -12898 Nov 21 j 15:07 | 11° ♁ 38'26 | | | -12895 Apr 04 j 23:09 | 0° ♁ | |
| greatest brilliancy | -12898 Nov 24 j 22:15 | 13° ♁ 06'10 | -4.7m | morning set | -12895 Apr 10 j 05:38 | 6° ♁ 34'53 | |
| retrograde | -12898 Dec 06 j 05:58 | 15° ♁ 28'05 | | | -12895 Apr 28 j 21:35 | 0° ♁ | |
| evening set | -12898 Dec 22 j 14:13 | 10° ♁ 17'07 | | asc. node | -12895 May 08 j 04:18 | 11° ♁ 41'18 | |
| inferior conj | -12898 Dec 27 j 15:56 | 7° ♁ 08'55 | 6°49'17 | max. Earth dist. | -12895 May 15 j 05:08 | 20° ♁ 33'40 | 1.71058 AU |

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| | | | | | | | |
|---------------------|-----------------------|--------------------------------|------------|---------------------|-----------------------|--------------------------------|------------|
| superior conj | -12895 May 16 j 20:39 | 22° \approx 38'20 | 0°20'01 | direct | -12893 Nov 07 j 15:53 | 19° \approx 49'04 | |
| minimum elong | -12895 May 16 j 16:30 | 22° \approx 25'17 | 0°19'18 | greatest brilliancy | -12893 Nov 16 j 16:23 | 21° \approx 20'53 | -4.8m |
| | -12895 May 22 j 16:33 | 0° \mathbb{H} | | | -12893 Dec 02 j 21:48 | 0° Ω | |
| | -12895 Jun 15 j 10:44 | 0° Υ | | morning max el | -12893 Dec 26 j 12:03 | 19° Ω 53'59 | 46°01'25 |
| evening rise | -12895 Jun 25 j 00:42 | 12° Υ 05'00 | | | -12892 Jan 05 j 19:21 | 0° \mathbb{H} | |
| | -12895 Jul 09 j 06:32 | 0° \mathcal{B} | | | -12892 Feb 03 j 01:31 | 0° $\underline{\Omega}$ | |
| | -12895 Aug 02 j 06:01 | 0° Π | | desc. node | -12892 Feb 15 j 01:41 | 13° $\underline{\Omega}$ 26'29 | |
| | -12895 Aug 26 j 10:50 | 0° \mathcal{E} | | | -12892 Feb 29 j 11:49 | 0° \mathbb{M} | |
| desc. node | -12895 Aug 29 j 21:25 | 4° \mathcal{E} 14'23 | | | -12892 Mar 25 j 20:08 | 0° \mathcal{A} | |
| | -12895 Sep 19 j 22:17 | 0° Ω | | | -12892 Apr 19 j 10:32 | 0° \mathcal{Z} | |
| | -12895 Oct 14 j 18:28 | 0° \mathbb{H} | | | -12892 May 13 j 12:56 | 0° \approx | |
| | -12895 Nov 09 j 05:21 | 0° $\underline{\Omega}$ | | greatest brilliancy | -12892 Jun 01 j 13:02 | 23° \approx 55'50 | -3.9m |
| | -12895 Dec 05 j 22:57 | 0° \mathbb{M} | | asc. node | -12892 Jun 04 j 18:13 | 27° \approx 59'38 | |
| asc. node | -12895 Dec 19 j 00:41 | 13° \mathbb{M} 41'40 | | | -12892 Jun 06 j 08:19 | 0° \mathcal{H} | |
| evening max el | -12895 Dec 28 j 06:16 | 22° \mathbb{M} 46'31 | 44°48'15 | morning set | -12892 Jun 20 j 05:37 | 17° \mathcal{H} 34'48 | |
| | -12894 Jan 05 j 03:31 | 0° \mathcal{A} | | | -12892 Jun 30 j 00:55 | 0° Υ | |
| greatest brilliancy | -12894 Feb 03 j 23:02 | 19° \mathcal{A} 38'56 | -4.7m | | -12892 Jul 23 j 18:18 | 0° \mathcal{B} | |
| retrograde | -12894 Feb 14 j 04:39 | 21° \mathcal{A} 28'49 | | | | | |
| evening set | -12894 Mar 03 j 00:26 | 16° \mathcal{A} 17'01 | | superior conj | -12892 Jul 31 j 14:12 | 9° \mathcal{B} 52'00 | 1°22'58 |
| inferior conj | -12894 Mar 07 j 10:08 | 13° \mathcal{A} 40'53 | 6°56'54 | minimum elong | -12892 Jul 31 j 14:29 | 9° \mathcal{B} 52'54 | 1°23'31 |
| minimum elong | -12894 Mar 07 j 18:41 | 13° \mathcal{A} 27'57 | 6°54'48 | max. Earth dist. | -12892 Aug 07 j 18:19 | 18° \mathcal{B} 52'57 | 1.71123 AU |
| min. Earth dist. | -12894 Mar 08 j 18:16 | 12° \mathcal{A} 52'17 | 0.28383 AU | | -12892 Aug 16 j 15:05 | 0° Π | |
| morning rise | -12894 Mar 12 j 12:21 | 10° \mathcal{A} 40'11 | | | -12892 Sep 09 j 16:42 | 0° \mathcal{E} | |
| direct | -12894 Mar 29 j 05:00 | 5° \mathcal{A} 30'56 | | evening rise | -12892 Sep 13 j 03:48 | 4° \mathcal{E} 17'41 | |
| greatest brilliancy | -12894 Apr 09 j 19:42 | 7° \mathcal{A} 56'04 | -4.8m | desc. node | -12892 Sep 26 j 09:12 | 20° \mathcal{E} 39'10 | |
| desc. node | -12894 Apr 11 j 23:59 | 8° \mathcal{A} 51'55 | | | -12892 Oct 03 j 23:13 | 0° Ω | |
| | -12894 May 10 j 17:39 | 0° \mathcal{Z} | | | -12892 Oct 28 j 10:00 | 0° \mathbb{H} | |
| morning max el | -12894 May 18 j 10:34 | 7° \mathcal{Z} 27'52 | 46°34'51 | | -12892 Nov 22 j 01:16 | 0° $\underline{\Omega}$ | |
| | -12894 Jun 08 j 14:21 | 0° \approx | | | -12892 Dec 16 j 23:40 | 0° \mathbb{M} | |
| | -12894 Jul 04 j 10:51 | 0° \mathcal{H} | | | -12891 Jan 11 j 11:23 | 0° \mathcal{A} | |
| | -12894 Jul 29 j 04:29 | 0° Υ | | asc. node | -12891 Jan 15 j 10:14 | 4° \mathcal{A} 33'55 | |
| asc. node | -12894 Jul 31 j 20:39 | 3° Υ 17'05 | | | -12891 Feb 06 j 23:52 | 0° \mathcal{Z} | |
| | -12894 Aug 22 j 11:42 | 0° \mathcal{B} | | | -12891 Mar 07 j 16:14 | 0° \approx | |
| | -12894 Sep 15 j 17:13 | 0° Π | | evening max el | -12891 Mar 11 j 04:05 | 3° \approx 22'38 | 45°57'28 |
| | -12894 Oct 10 j 01:34 | 0° \mathcal{E} | | | -12891 Apr 14 j 22:34 | 0° \mathcal{H} | |
| | -12894 Nov 03 j 13:47 | 0° Ω | | greatest brilliancy | -12891 Apr 19 j 22:16 | 2° \mathcal{H} 01'52 | -4.8m |
| desc. node | -12894 Nov 22 j 09:30 | 22° Ω 57'36 | | retrograde | -12891 Apr 29 j 14:56 | 3° \mathcal{H} 43'36 | |
| morning set | -12894 Nov 23 j 22:01 | 24° Ω 48'53 | | desc. node | -12891 May 09 j 10:35 | 1° \mathcal{H} 52'09 | |
| | -12894 Nov 28 j 04:04 | 0° \mathbb{H} | | | -12891 May 13 j 16:43 | 30° $\mathcal{R}\approx$ | |
| | -12894 Dec 22 j 17:35 | 0° $\underline{\Omega}$ | | evening set | -12891 May 14 j 01:37 | 29° \approx 48'47 | |
| max. Earth dist. | -12894 Dec 28 j 21:19 | 7° $\underline{\Omega}$ 32'13 | 1.73836 AU | inferior conj | -12891 May 20 j 10:31 | 26° \approx 14'07 | -2°40'27 |
| | | | | minimum elong | -12891 May 20 j 04:37 | 26° \approx 22'49 | 2°39'10 |
| superior conj | -12894 Dec 31 j 19:21 | 11° $\underline{\Omega}$ 06'52 | -1°11'35 | min. Earth dist. | -12891 May 20 j 09:41 | 26° \approx 15'22 | 0.26393 AU |
| minimum elong | -12894 Dec 31 j 12:43 | 10° $\underline{\Omega}$ 46'32 | 1°11'36 | morning rise | -12891 May 26 j 07:08 | 22° \approx 54'30 | |
| | -12893 Jan 16 j 04:22 | 0° \mathbb{M} | | direct | -12891 Jun 09 j 22:22 | 18° \approx 46'33 | |
| evening rise | -12893 Feb 05 j 01:01 | 24° \mathbb{M} 28'21 | | greatest brilliancy | -12891 Jun 21 j 00:21 | 21° \approx 02'51 | -4.9m |
| | -12893 Feb 09 j 12:29 | 0° \mathcal{A} | | | -12891 Jul 06 j 06:00 | 0° \mathcal{H} | |
| | -12893 Mar 05 j 19:33 | 0° \mathcal{Z} | | morning max el | -12891 Jul 30 j 11:13 | 21° \mathcal{H} 54'27 | 46°36'16 |
| asc. node | -12893 Mar 13 j 05:11 | 9° \mathcal{Z} 08'10 | | | -12891 Aug 07 j 04:55 | 0° Υ | |
| | -12893 Mar 30 j 03:30 | 0° \approx | | asc. node | -12891 Aug 28 j 10:05 | 23° Υ 35'44 | |
| | -12893 Apr 23 j 13:50 | 0° \mathcal{H} | | | -12891 Sep 02 j 23:19 | 0° \mathcal{B} | |
| | -12893 May 18 j 04:21 | 0° Υ | | | -12891 Sep 28 j 10:42 | 0° Π | |
| | -12893 Jun 12 j 02:46 | 0° \mathcal{B} | | | -12891 Oct 23 j 13:12 | 0° \mathcal{E} | |
| desc. node | -12893 Jul 05 j 03:25 | 27° \mathcal{B} 00'40 | | | -12891 Nov 17 j 14:08 | 0° Ω | |
| | -12893 Jul 07 j 17:53 | 0° Π | | | -12891 Dec 12 j 14:09 | 0° \mathbb{H} | |
| | -12893 Aug 04 j 01:27 | 0° \mathcal{E} | | desc. node | -12891 Dec 19 j 23:44 | 8° \mathbb{H} 54'09 | |
| evening max el | -12893 Aug 06 j 13:23 | 2° \mathcal{E} 34'14 | 47°24'51 | | -12890 Jan 06 j 10:50 | 0° $\underline{\Omega}$ | |
| | -12893 Sep 07 j 11:32 | 0° Ω | | | -12890 Jan 31 j 01:45 | 0° \mathbb{M} | |
| greatest brilliancy | -12893 Sep 16 j 02:55 | 4° Ω 22'46 | -4.9m | morning set | -12890 Jan 31 j 16:21 | 0° \mathbb{M} 44'45 | |
| retrograde | -12893 Sep 26 j 14:45 | 6° Ω 29'43 | | | -12890 Feb 24 j 10:15 | 0° \mathcal{A} | |
| evening set | -12893 Oct 11 j 17:01 | 1° Ω 47'59 | | max. Earth dist. | -12890 Mar 02 j 21:49 | 8° \mathcal{A} 02'09 | 1.72805 AU |
| | -12893 Oct 14 j 15:46 | 30° $\mathcal{R}\mathcal{E}$ | | | | | |
| min. Earth dist. | -12893 Oct 17 j 04:26 | 28° \mathcal{E} 22'10 | 0.28362 AU | superior conj | -12890 Mar 07 j 15:47 | 13° \mathcal{A} 55'58 | -1°05'18 |
| inferior conj | -12893 Oct 17 j 15:04 | 28° \mathcal{E} 04'51 | -1°33'26 | minimum elong | -12890 Mar 07 j 22:58 | 14° \mathcal{A} 18'18 | 1°05'55 |
| minimum elong | -12893 Oct 17 j 18:12 | 27° \mathcal{E} 59'46 | 1°31'46 | | -12890 Mar 20 j 13:35 | 0° \mathcal{Z} | |
| morning rise | -12893 Oct 23 j 20:16 | 24° \mathcal{E} 13'40 | | asc. node | -12890 Apr 09 j 17:25 | 25° \mathcal{Z} 10'44 | |
| asc. node | -12893 Oct 24 j 07:09 | 23° \mathcal{E} 58'32 | | evening rise | -12890 Apr 12 j 00:55 | 28° \mathcal{Z} 04'13 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|--|
| | -12890 Apr 13 j 13:57 | 0°♊ | | | -12888 Oct 04 j 17:00 | 0°♈ | | |
| | -12890 May 07 j 13:26 | 0°♋ | | morning max el | -12888 Oct 12 j 18:06 | 7°♈46'59 | 46°15'10 | |
| | -12890 May 31 j 13:50 | 0°♌ | | | -12888 Nov 02 j 23:17 | 0°♎ | | |
| | -12890 Jun 24 j 17:01 | 0°♍ | | | -12888 Nov 29 j 21:19 | 0°♏ | | |
| | -12890 Jul 19 j 01:36 | 0°♐ | | | -12888 Dec 25 j 23:38 | 0°♑ | | |
| desc. node | -12890 Aug 01 j 13:09 | 16°♐25'19 | | desc. node | -12887 Jan 16 j 14:02 | 25°♑18'11 | | |
| | -12890 Aug 12 j 19:23 | 0°♑ | | | -12887 Jan 20 j 13:19 | 0°♒ | | |
| | -12890 Sep 07 j 05:29 | 0°♓ | | | -12887 Feb 14 j 15:05 | 0°♗ | | |
| | -12890 Oct 04 j 02:12 | 0°♑ | | | -12887 Mar 11 j 05:26 | 0°♎ | | |
| evening max el | -12890 Oct 15 j 22:46 | 12°♑13'37 | 45°36'43 | | -12887 Apr 04 j 10:21 | 0°♚ | | |
| | -12890 Nov 04 j 16:19 | 0°♒ | | morning set | -12887 Apr 08 j 00:11 | 4°♚27'51 | | |
| asc. node | -12890 Nov 20 j 17:23 | 10°♒10'14 | | | -12887 Apr 28 j 08:50 | 0°♊ | | |
| greatest brilliancy | -12890 Nov 22 j 15:03 | 10°♒58'52 | -4.7m | asc. node | -12887 May 07 j 06:27 | 11°♊12'35 | | |
| retrograde | -12890 Dec 04 j 00:15 | 13°♒22'22 | | max. Earth dist. | -12887 May 12 j 13:07 | 17°♊51'50 | 1.71105 AU | |
| evening set | -12890 Dec 20 j 05:25 | 8°♒14'03 | | | | | | |
| inferior conj | -12890 Dec 25 j 09:30 | 5°♒02'15 | 6°39'18 | superior conj | -12887 May 14 j 11:56 | 20°♊19'30 | 0°16'43 | |
| minimum elong | -12890 Dec 25 j 01:10 | 5°♒15'32 | 6°37'52 | minimum elong | -12887 May 14 j 08:31 | 20°♊08'42 | 0°16'00 | |
| min. Earth dist. | -12890 Dec 25 j 12:05 | 4°♒58'08 | 0.29526 AU | behind sun begin | -12887 May 14 j 05:03 | 19°♊57'46 | | |
| morning rise | -12890 Dec 29 j 20:53 | 2°♒14'18 | | behind sun end | -12887 May 14 j 11:59 | 20°♊19'38 | | |
| | -12889 Jan 02 j 21:10 | 30°♑ | | | -12887 May 22 j 03:54 | 0°♋ | | |
| direct | -12889 Jan 16 j 07:13 | 26°♑28'24 | | | -12887 Jun 14 j 22:12 | 0°♌ | | |
| greatest brilliancy | -12889 Jan 26 j 00:36 | 28°♑09'51 | -4.7m | evening rise | -12887 Jun 22 j 11:33 | 9°♌31'38 | | |
| | -12889 Jan 30 j 15:33 | 0°♒ | | | -12887 Jul 08 j 18:07 | 0°♍ | | |
| morning max el | -12889 Mar 06 j 10:00 | 26°♒18'20 | 46°12'32 | | -12887 Aug 01 j 17:45 | 0°♈ | | |
| | -12889 Mar 10 j 05:35 | 0°♗ | | | -12887 Aug 25 j 22:46 | 0°♎ | | |
| desc. node | -12889 Mar 14 j 14:35 | 4°♗21'22 | | desc. node | -12887 Aug 28 j 23:48 | 3°♎44'55 | | |
| | -12889 Apr 07 j 14:43 | 0°♎ | | | -12887 Sep 19 j 10:31 | 0°♏ | | |
| | -12889 May 03 j 13:48 | 0°♚ | | | -12887 Oct 14 j 07:18 | 0°♑ | | |
| | -12889 May 28 j 08:47 | 0°♊ | | | -12887 Nov 08 j 19:25 | 0°♒ | | |
| asc. node | -12889 Jun 21 j 12:41 | 0°♋ | | | -12887 Dec 05 j 16:02 | 0°♓ | | |
| | -12889 Jul 03 j 08:37 | 14°♋50'37 | | asc. node | -12887 Dec 18 j 02:59 | 12°♓56'57 | | |
| | -12889 Jul 15 j 09:28 | 0°♌ | | evening max el | -12887 Dec 25 j 21:28 | 20°♓33'44 | 44°47'52 | |
| | -12889 Aug 08 j 04:47 | 0°♍ | | | -12886 Jan 05 j 07:43 | 0°♎ | | |
| morning set | -12889 Sep 01 j 02:36 | 0°♈ | | greatest brilliancy | -12886 Feb 01 j 13:26 | 17°♎26'47 | -4.7m | |
| | -12889 Sep 07 j 05:54 | 7°♈39'46 | | retrograde | -12886 Feb 11 j 18:50 | 19°♎16'41 | | |
| | -12889 Sep 25 j 05:05 | 0°♎ | | evening set | -12886 Feb 28 j 17:41 | 14°♎01'18 | | |
| | | | | inferior conj | -12886 Mar 05 j 01:11 | 11°♎27'49 | 7°06'54 | |
| superior conj | -12889 Oct 19 j 08:45 | 29°♎49'15 | 0°12'26 | minimum elong | -12886 Mar 05 j 09:22 | 11°♎15'24 | 7°04'57 | |
| minimum elong | -12889 Oct 19 j 12:03 | 29°♎59'23 | 0°13'01 | min. Earth dist. | -12886 Mar 06 j 09:08 | 10°♎39'20 | 0.28458 AU | |
| behind sun begin | -12889 Oct 18 j 20:30 | 29°♎11'32 | | morning rise | -12886 Mar 10 j 00:29 | 8°♎30'33 | | |
| behind sun end | -12889 Oct 20 j 03:36 | 0°♏47'13 | | direct | -12886 Mar 26 j 20:40 | 3°♎16'31 | | |
| | -12889 Oct 19 j 12:15 | 0°♏ | | greatest brilliancy | -12886 Apr 07 j 10:02 | 5°♎39'39 | -4.8m | |
| max. Earth dist. | -12889 Oct 22 j 20:58 | 4°♏08'16 | 1.73081 AU | desc. node | -12886 Apr 11 j 02:07 | 7°♎17'38 | | |
| desc. node | -12889 Oct 24 j 21:54 | 6°♏38'41 | | | -12886 May 10 j 19:18 | 0°♚ | | |
| | -12889 Nov 12 j 22:27 | 0°♑ | | morning max el | -12886 May 16 j 00:35 | 5°♚06'19 | 46°34'10 | |
| evening rise | -12889 Nov 28 j 00:43 | 18°♑30'27 | | | -12886 Jun 08 j 07:34 | 0°♊ | | |
| | -12889 Dec 07 j 09:48 | 0°♒ | | | -12886 Jul 04 j 01:24 | 0°♋ | | |
| | -12889 Dec 31 j 21:49 | 0°♓ | | | -12886 Jul 28 j 17:45 | 0°♌ | | |
| asc. node | -12888 Jan 25 j 12:09 | 0°♎ | | asc. node | -12886 Jul 30 j 22:52 | 2°♌43'21 | | |
| | -12888 Feb 12 j 20:28 | 22°♎12'39 | | | -12886 Aug 22 j 00:15 | 0°♍ | | |
| | -12888 Feb 19 j 07:49 | 0°♚ | | | -12886 Sep 15 j 05:19 | 0°♈ | | |
| | -12888 Mar 15 j 12:14 | 0°♊ | | | -12886 Oct 09 j 13:20 | 0°♋ | | |
| | -12888 Apr 10 j 05:58 | 0°♌ | | | -12886 Nov 03 j 01:16 | 0°♍ | | |
| | -12888 May 07 j 00:44 | 0°♌ | | desc. node | -12886 Nov 21 j 11:33 | 22°♍29'27 | | |
| evening max el | -12888 May 23 j 20:19 | 17°♌37'31 | 47°43'30 | morning set | -12886 Nov 21 j 12:46 | 22°♍33'07 | | |
| desc. node | -12888 Jun 05 j 20:18 | 0°♎02'59 | | | -12886 Nov 27 j 15:20 | 0°♑ | | |
| | -12888 Jun 05 j 18:58 | 0°♎ | | | -12886 Dec 22 j 04:42 | 0°♒ | | |
| greatest brilliancy | -12888 Jul 04 j 11:30 | 19°♎22'42 | -4.9m | max. Earth dist. | -12886 Dec 26 j 17:56 | 5°♒34'20 | 1.73842 AU | |
| retrograde | -12888 Jul 13 j 21:35 | 21°♎05'30 | | | | | | |
| evening set | -12888 Jul 31 j 15:32 | 14°♎55'39 | | superior conj | -12886 Dec 29 j 13:43 | 9°♒01'59 | -1°10'11 | |
| min. Earth dist. | -12888 Aug 02 j 20:16 | 13°♎34'18 | 0.26922 AU | minimum elong | -12886 Dec 29 j 06:43 | 8°♒40'31 | 1°10'09 | |
| inferior conj | -12888 Aug 03 j 16:20 | 13°♎03'01 | -8°40'37 | | -12885 Jan 15 j 15:27 | 0°♓ | | |
| minimum elong | -12888 Aug 03 j 18:40 | 12°♎59'23 | 8°39'57 | evening rise | -12885 Feb 02 j 21:04 | 22°♓27'44 | | |
| morning rise | -12888 Aug 06 j 22:00 | 11°♎03'47 | | greatest brilliancy | -12885 Feb 03 j 16:29 | 23°♓27'39 | -3.9m | |
| direct | -12888 Aug 23 j 20:37 | 5°♎22'20 | | | -12885 Feb 08 j 23:39 | 0°♎ | | |
| greatest brilliancy | -12888 Sep 02 j 07:59 | 7°♎06'55 | -4.9m | | -12885 Mar 05 j 06:56 | 0°♚ | | |
| asc. node | -12888 Sep 24 j 22:21 | 21°♎18'42 | | asc. node | -12885 Mar 12 j 07:35 | 8°♚40'14 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12885 Mar 29 j 15:14 | 0°♊ | | asc. node | -12883 Aug 27 j 12:26 | 22°♑55'36 | |
| | -12885 Apr 23 j 02:06 | 0°♋ | | | -12883 Sep 02 j 14:58 | 0°♌ | |
| | -12885 May 17 j 17:22 | 0°♍ | | | -12883 Sep 28 j 00:26 | 0°♎ | |
| | -12885 Jun 11 j 16:57 | 0°♎ | | | -12883 Oct 23 j 01:53 | 0°♏ | |
| desc. node | -12885 Jul 04 j 05:40 | 26°♏21'16 | | | -12883 Nov 17 j 02:08 | 0°♐ | |
| | -12885 Jul 07 j 10:09 | 0°♑ | | | -12883 Dec 12 j 01:40 | 0°♑ | |
| | -12885 Aug 03 j 23:00 | 0°♒ | | desc. node | -12883 Dec 19 j 01:55 | 8°♒26'26 | |
| evening max el | -12885 Aug 04 j 04:25 | 0°♒13'50 | 47°27'47 | | -12882 Jan 05 j 22:01 | 0°♓ | |
| | -12885 Sep 09 j 03:35 | 0°♓ | | morning set | -12882 Jan 29 j 11:10 | 28°♓41'40 | |
| greatest brilliancy | -12885 Sep 13 j 21:44 | 2°♓09'26 | -4.9m | | -12882 Jan 30 j 12:44 | 0°♐ | |
| retrograde | -12885 Sep 24 j 06:56 | 4°♓14'13 | | | -12882 Feb 23 j 21:09 | 0°♑ | |
| | -12885 Oct 08 j 14:32 | 30°♑♒ | | max. Earth dist. | -12882 Feb 28 j 19:31 | 6°♑06'40 | 1.72862 AU |
| evening set | -12885 Oct 09 j 11:01 | 29°♒30'46 | | | | | |
| inferior conj | -12885 Oct 15 j 07:34 | 25°♒49'55 | -1°53'06 | superior conj | -12882 Mar 05 j 11:25 | 11°♑53'57 | -1°06'57 |
| minimum elong | -12885 Oct 15 j 11:20 | 25°♒43'47 | 1°51'15 | minimum elong | -12882 Mar 05 j 18:24 | 12°♑15'37 | 1°07'35 |
| min. Earth dist. | -12885 Oct 14 j 21:11 | 26°♒06'49 | 0.28308 AU | | -12882 Mar 20 j 00:32 | 0°♒ | |
| morning rise | -12885 Oct 21 j 12:26 | 21°♒58'57 | | asc. node | -12882 Apr 08 j 19:33 | 24°♒42'42 | |
| asc. node | -12885 Oct 23 j 09:20 | 20°♒58'38 | | evening rise | -12882 Apr 09 j 19:06 | 25°♒56'17 | |
| direct | -12885 Nov 05 j 07:07 | 17°♒35'11 | | | -12882 Apr 13 j 01:05 | 0°♊ | |
| greatest brilliancy | -12885 Nov 14 j 08:37 | 19°♒07'35 | -4.8m | | -12882 May 07 j 00:49 | 0°♋ | |
| | -12885 Dec 03 j 14:45 | 0°♓ | | | -12882 May 31 j 01:28 | 0°♍ | |
| morning max el | -12885 Dec 24 j 02:47 | 17°♓40'20 | 46°01'28 | | -12882 Jun 24 j 04:59 | 0°♎ | |
| | -12884 Jan 05 j 14:39 | 0°♏ | | | -12882 Jul 18 j 13:59 | 0°♐ | |
| | -12884 Feb 02 j 16:25 | 0°♑ | | desc. node | -12882 Jul 31 j 15:32 | 15°♐53'54 | |
| desc. node | -12884 Feb 14 j 03:58 | 12°♑53'23 | | | -12882 Aug 12 j 08:31 | 0°♒ | |
| | -12884 Feb 29 j 00:54 | 0°♓ | | | -12882 Sep 06 j 20:04 | 0°♓ | |
| | -12884 Mar 25 j 08:19 | 0°♑ | | | -12882 Oct 03 j 20:28 | 0°♏ | |
| | -12884 Apr 18 j 22:14 | 0°♒ | | evening max el | -12882 Oct 13 j 15:27 | 10°♏02'58 | 45°40'05 |
| | -12884 May 13 j 00:22 | 0°♊ | | | -12882 Nov 05 j 04:39 | 0°♑ | |
| greatest brilliancy | -12884 Jun 01 j 03:19 | 24°♊05'08 | -3.9m | asc. node | -12882 Nov 19 j 19:41 | 8°♑39'28 | |
| asc. node | -12884 Jun 03 j 20:24 | 27°♊30'45 | | greatest brilliancy | -12882 Nov 20 j 08:02 | 8°♑52'02 | -4.7m |
| | -12884 Jun 05 j 19:37 | 0°♋ | | retrograde | -12882 Dec 01 j 18:32 | 11°♑16'35 | |
| morning set | -12884 Jun 17 j 17:46 | 15°♋05'28 | | evening set | -12882 Dec 17 j 20:38 | 6°♑11'11 | |
| | -12884 Jun 29 j 12:13 | 0°♍ | | inferior conj | -12882 Dec 23 j 03:00 | 2°♑55'41 | 6°28'35 |
| | -12884 Jul 23 j 05:38 | 0°♎ | | minimum elong | -12882 Dec 22 j 18:31 | 3°♑09'13 | 6°27'07 |
| | | | | min. Earth dist. | -12882 Dec 23 j 04:12 | 2°♑53'46 | 0.29515 AU |
| superior conj | -12884 Jul 28 j 22:59 | 7°♏12'53 | 1°22'57 | morning rise | -12882 Dec 27 j 16:26 | 0°♑04'39 | |
| minimum elong | -12884 Jul 28 j 22:06 | 7°♏10'07 | 1°23'27 | | -12882 Dec 27 j 19:33 | 30°♑♒ | |
| max. Earth dist. | -12884 Aug 04 j 18:32 | 15°♏47'17 | 1.71072 AU | direct | -12881 Jan 14 j 00:38 | 24°♑21'57 | |
| | -12884 Aug 16 j 02:27 | 0°♑ | | greatest brilliancy | -12881 Jan 23 j 15:45 | 26°♑01'59 | -4.7m |
| | -12884 Sep 09 j 04:04 | 0°♒ | | | -12881 Feb 01 j 11:50 | 0°♓ | |
| evening rise | -12884 Sep 10 j 11:29 | 1°♒37'26 | | morning max el | -12881 Mar 04 j 03:20 | 24°♓12'07 | 46°11'44 |
| desc. node | -12884 Sep 25 j 11:21 | 20°♒10'41 | | | -12881 Mar 10 j 02:10 | 0°♏ | |
| | -12884 Oct 03 j 10:37 | 0°♓ | | desc. node | -12881 Mar 13 j 16:44 | 3°♏37'35 | |
| | -12884 Oct 27 j 21:31 | 0°♏ | | | -12881 Apr 07 j 05:59 | 0°♑ | |
| | -12884 Nov 21 j 13:04 | 0°♑ | | | -12881 May 03 j 03:06 | 0°♒ | |
| | -12884 Dec 16 j 12:05 | 0°♓ | | | -12881 May 27 j 21:10 | 0°♊ | |
| | -12883 Jan 11 j 01:04 | 0°♋ | | | -12881 Jun 21 j 00:35 | 0°♍ | |
| asc. node | -12883 Jan 14 j 12:36 | 4°♑00'34 | | asc. node | -12881 Jul 02 j 10:50 | 14°♑20'45 | |
| | -12883 Feb 06 j 16:13 | 0°♒ | | | -12881 Jul 14 j 21:04 | 0°♍ | |
| | -12883 Mar 07 j 15:43 | 0°♊ | | | -12881 Aug 07 j 16:11 | 0°♎ | |
| evening max el | -12883 Mar 08 j 16:16 | 0°♊58'44 | 45°53'43 | | -12881 Aug 31 j 13:50 | 0°♐ | |
| greatest brilliancy | -12883 Apr 17 j 09:35 | 29°♊33'36 | -4.8m | morning set | -12881 Sep 04 j 15:42 | 5°♐05'40 | |
| | -12883 Apr 18 j 19:06 | 0°♋ | | | -12881 Sep 24 j 16:11 | 0°♒ | |
| retrograde | -12883 Apr 27 j 02:29 | 1°♋15'36 | | | | | |
| | -12883 May 05 j 03:43 | 30°♑♒ | | superior conj | -12881 Oct 16 j 20:27 | 27°♒23'36 | 0°15'59 |
| desc. node | -12883 May 08 j 12:46 | 28°♑45'11 | | minimum elong | -12881 Oct 17 j 00:39 | 27°♒36'30 | 0°16'33 |
| evening set | -12883 May 11 j 12:19 | 27°♑21'30 | | | -12881 Oct 18 j 23:15 | 0°♓ | |
| inferior conj | -12883 May 17 j 22:06 | 23°♑46'19 | -2°17'18 | max. Earth dist. | -12881 Oct 20 j 15:44 | 2°♓04'33 | 1.73027 AU |
| minimum elong | -12883 May 17 j 16:59 | 23°♑53'50 | 2°16'17 | desc. node | -12881 Oct 23 j 24:00 | 6°♓11'21 | |
| min. Earth dist. | -12883 May 17 j 23:09 | 23°♑44'46 | 0.26422 AU | | -12881 Nov 12 j 09:24 | 0°♏ | |
| morning rise | -12883 May 23 j 21:04 | 20°♑23'59 | | evening rise | -12881 Nov 25 j 17:21 | 16°♏20'48 | |
| direct | -12883 Jun 07 j 10:32 | 16°♑17'46 | | | -12881 Dec 06 j 20:46 | 0°♑ | |
| greatest brilliancy | -12883 Jun 18 j 14:51 | 18°♑36'25 | -4.9m | | -12881 Dec 31 j 08:56 | 0°♓ | |
| | -12883 Jul 06 j 23:32 | 0°♋ | | | -12880 Jan 24 j 23:38 | 0°♍ | |
| morning max el | -12883 Jul 28 j 00:17 | 19°♋26'20 | 46°36'50 | asc. node | -12880 Feb 11 j 22:51 | 21°♋43'46 | |
| | -12883 Aug 07 j 01:06 | 0°♍ | | | -12880 Feb 18 j 20:00 | 0°♒ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|--|
| | -12880 Mar 15 j 01:33 | 0°≈ | | | -12878 Oct 09 j 00:48 | 0°☾ | | |
| | -12880 Apr 09 j 21:12 | 0°✠ | | | -12878 Nov 02 j 12:26 | 0°♂ | | |
| | -12880 May 06 j 19:49 | 0°☿ | | morning set | -12878 Nov 19 j 03:38 | 20°♂18'33 | | |
| evening max el | -12880 May 21 j 11:33 | 15°☿16'10 | 47°41'10 | desc. node | -12878 Nov 20 j 13:48 | 22°♂02'46 | | |
| desc. node | -12880 Jun 04 j 22:38 | 28°☿58'06 | | | -12878 Nov 27 j 02:15 | 0°♍ | | |
| | -12880 Jun 06 j 02:55 | 0°♄ | | | -12878 Dec 21 j 15:28 | 0°♂ | | |
| greatest brilliancy | -12880 Jul 02 j 00:09 | 16°♄53'15 | -4.9m | max. Earth dist. | -12878 Dec 24 j 14:29 | 3°♂37'22 | 1.73845 AU | |
| retrograde | -12880 Jul 11 j 11:23 | 18°♄36'23 | | | | | | |
| evening set | -12880 Jul 29 j 04:44 | 12°♄27'30 | | superior conj | -12878 Dec 27 j 08:16 | 6°♂58'49 | -1°08'42 | |
| min. Earth dist. | -12880 Jul 31 j 08:32 | 11°♄07'38 | 0.26874 AU | minimum elong | -12878 Dec 27 j 00:57 | 6°♂36'23 | 1°08'38 | |
| inferior conj | -12880 Aug 01 j 05:23 | 10°♄35'10 | -8°42'51 | | -12877 Jan 15 j 02:12 | 0°♍ | | |
| minimum elong | -12880 Aug 01 j 06:52 | 10°♄32'51 | 8°42'16 | evening rise | -12877 Jan 31 j 17:20 | 20°♍28'54 | | |
| morning rise | -12880 Aug 04 j 09:15 | 8°♄38'52 | | greatest brilliancy | -12877 Feb 02 j 05:04 | 22°♍19'04 | -3.9m | |
| direct | -12880 Aug 21 j 09:57 | 2°♄56'03 | | | -12877 Feb 08 j 10:31 | 0°♄ | | |
| greatest brilliancy | -12880 Aug 30 j 20:34 | 4°♄40'06 | -4.9m | | -12877 Mar 04 j 18:04 | 0°♄ | | |
| asc. node | -12880 Sep 24 j 00:27 | 20°♄11'34 | | asc. node | -12877 Mar 11 j 09:43 | 8°♄12'10 | | |
| | -12880 Oct 04 j 19:01 | 0°♄ | | | -12877 Mar 29 j 02:47 | 0°≈ | | |
| morning max el | -12880 Oct 10 j 08:12 | 5°♄25'53 | 46°15'58 | | -12877 Apr 22 j 14:13 | 0°✠ | | |
| | -12880 Nov 02 j 16:22 | 0°☾ | | | -12877 May 17 j 06:16 | 0°☿ | | |
| | -12880 Nov 29 j 11:25 | 0°♂ | | | -12877 Jun 11 j 07:03 | 0°♄ | | |
| | -12880 Dec 25 j 12:16 | 0°♍ | | desc. node | -12877 Jul 03 j 08:02 | 25°♄42'30 | | |
| desc. node | -12879 Jan 15 j 16:15 | 24°♍49'35 | | | -12877 Jul 07 j 02:27 | 0°♄ | | |
| | -12879 Jan 20 j 01:07 | 0°♂ | | evening max el | -12877 Aug 01 j 18:56 | 27°♄52'43 | 47°30'41 | |
| | -12879 Feb 14 j 02:23 | 0°♍ | | | -12877 Aug 03 j 21:05 | 0°☾ | | |
| | -12879 Mar 10 j 16:28 | 0°♄ | | greatest brilliancy | -12877 Sep 11 j 16:22 | 29°☾56'12 | -4.9m | |
| | -12879 Apr 03 j 21:17 | 0°♄ | | | -12877 Sep 11 j 20:23 | 0°♂ | | |
| morning set | -12879 Apr 05 j 18:41 | 2°♄21'41 | | retrograde | -12877 Sep 21 j 23:13 | 1°♂59'16 | | |
| | -12879 Apr 27 j 19:46 | 0°≈ | | | -12877 Oct 01 j 15:57 | 30°☿☾ | | |
| asc. node | -12879 May 06 j 08:38 | 10°≈44'57 | | evening set | -12877 Oct 07 j 05:06 | 27°☾13'34 | | |
| max. Earth dist. | -12879 May 09 j 21:01 | 15°≈10'51 | 1.71154 AU | min. Earth dist. | -12877 Oct 12 j 13:59 | 23°☾51'46 | 0.28255 AU | |
| | | | | inferior conj | -12877 Oct 13 j 00:02 | 23°☾35'24 | -2°12'39 | |
| superior conj | -12879 May 12 j 03:23 | 18°≈02'15 | 0°13'24 | minimum elong | -12877 Oct 13 j 04:25 | 23°☾28'15 | 2°10'37 | |
| minimum elong | -12879 May 12 j 00:40 | 17°≈53'41 | 0°12'42 | morning rise | -12877 Oct 19 j 04:27 | 19°☾45'01 | | |
| behind sun begin | -12879 May 11 j 09:53 | 17°≈07'05 | | asc. node | -12877 Oct 22 j 11:39 | 18°☾02'51 | | |
| behind sun end | -12879 May 12 j 15:27 | 18°≈40'17 | | direct | -12877 Nov 02 j 22:05 | 15°☾21'31 | | |
| | -12879 May 21 j 14:56 | 0°✠ | | greatest brilliancy | -12877 Nov 12 j 01:01 | 16°☾54'58 | -4.8m | |
| | -12879 Jun 14 j 09:22 | 0°☿ | | | -12877 Dec 04 j 03:10 | 0°♂ | | |
| evening rise | -12879 Jun 19 j 22:42 | 7°☿00'13 | | morning max el | -12877 Dec 21 j 18:17 | 15°♂29'09 | 46°01'45 | |
| | -12879 Jul 08 j 05:26 | 0°♄ | | | -12876 Jan 05 j 09:09 | 0°♍ | | |
| | -12879 Aug 01 j 05:14 | 0°♄ | | | -12876 Feb 02 j 06:50 | 0°♂ | | |
| | -12879 Aug 25 j 10:26 | 0°☾ | | desc. node | -12876 Feb 13 j 06:04 | 12°♂20'49 | | |
| desc. node | -12879 Aug 28 j 01:59 | 3°☾15'39 | | | -12876 Feb 28 j 13:38 | 0°♍ | | |
| | -12879 Sep 18 j 22:28 | 0°♂ | | | -12876 Mar 24 j 20:13 | 0°♄ | | |
| | -12879 Oct 13 j 19:47 | 0°♍ | | | -12876 Apr 18 j 09:43 | 0°♄ | | |
| | -12879 Nov 08 j 09:10 | 0°♂ | | | -12876 May 12 j 11:39 | 0°≈ | | |
| | -12879 Dec 05 j 08:59 | 0°♍ | | greatest brilliancy | -12876 May 31 j 16:39 | 24°≈11'45 | -3.9m | |
| asc. node | -12879 Dec 17 j 05:21 | 12°♍13'01 | | asc. node | -12876 Jun 02 j 22:39 | 27°≈02'24 | | |
| evening max el | -12879 Dec 23 j 11:58 | 18°♍20'26 | 44°47'30 | | -12876 Jun 05 j 06:51 | 0°✠ | | |
| | -12878 Jan 05 j 13:16 | 0°♄ | | morning set | -12876 Jun 15 j 06:01 | 12°✠36'41 | | |
| greatest brilliancy | -12878 Jan 30 j 03:56 | 15°♄15'59 | -4.7m | | -12876 Jun 28 j 23:27 | 0°☿ | | |
| retrograde | -12878 Feb 09 j 09:04 | 17°♄06'12 | | | -12876 Jul 22 j 16:52 | 0°♄ | | |
| evening set | -12878 Feb 26 j 10:56 | 11°♄47'03 | | | | | | |
| inferior conj | -12878 Mar 02 j 16:27 | 9°♄16'14 | 7°16'04 | superior conj | -12876 Jul 26 j 07:39 | 4°♄33'34 | 1°22'43 | |
| minimum elong | -12878 Mar 03 j 00:12 | 9°♄04'25 | 7°14'16 | minimum elong | -12876 Jul 26 j 05:38 | 4°♄27'14 | 1°23'12 | |
| min. Earth dist. | -12878 Mar 04 j 00:29 | 8°♄27'28 | 0.28536 AU | max. Earth dist. | -12876 Aug 01 j 18:16 | 12°♄40'17 | 1.71024 AU | |
| morning rise | -12878 Mar 07 j 12:52 | 6°♄22'26 | | | -12876 Aug 15 j 13:42 | 0°♄ | | |
| direct | -12878 Mar 24 j 12:04 | 1°♄03'18 | | evening rise | -12876 Sep 07 j 18:59 | 28°♄56'53 | | |
| greatest brilliancy | -12878 Apr 05 j 01:16 | 3°♄25'26 | -4.8m | | -12876 Sep 08 j 15:20 | 0°☾ | | |
| desc. node | -12878 Apr 10 j 04:17 | 5°♄47'32 | | desc. node | -12876 Sep 24 j 13:29 | 19°☾42'24 | | |
| | -12878 May 10 j 19:26 | 0°♄ | | | -12876 Oct 02 j 21:55 | 0°♂ | | |
| morning max el | -12878 May 13 j 14:37 | 2°♄45'39 | 46°33'34 | | -12876 Oct 27 j 08:58 | 0°♍ | | |
| | -12878 Jun 08 j 00:12 | 0°≈ | | | -12876 Nov 21 j 00:48 | 0°♂ | | |
| | -12878 Jul 03 j 15:30 | 0°✠ | | | -12876 Dec 16 j 00:26 | 0°♍ | | |
| | -12878 Jul 28 j 06:39 | 0°☿ | | | -12875 Jan 10 j 14:42 | 0°♄ | | |
| asc. node | -12878 Jul 30 j 01:07 | 2°☿10'47 | | asc. node | -12875 Jan 13 j 15:01 | 3°♄27'44 | | |
| | -12878 Aug 21 j 12:29 | 0°♄ | | | -12875 Feb 06 j 08:37 | 0°♄ | | |
| | -12878 Sep 14 j 17:07 | 0°♄ | | evening max el | -12875 Mar 06 j 05:24 | 28°♄38'03 | 45°50'00 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12875 Mar 07 j 16:00 | 0°♊ | | | -12873 Sep 24 j 03:36 | 0°♉ | |
| greatest brilliancy | -12875 Apr 14 j 20:16 | 27°♊05'29 | -4.8m | | | | |
| retrograde | -12875 Apr 24 j 14:24 | 28°♊48'13 | | superior conj | -12873 Oct 14 j 07:21 | 24°♉54'24 | 0°19'35 |
| desc. node | -12875 May 07 j 15:07 | 25°♊34'00 | | minimum elong | -12873 Oct 14 j 12:26 | 25°♉10'06 | 0°20'07 |
| evening set | -12875 May 08 j 23:21 | 24°♊54'30 | | | -12873 Oct 18 j 10:35 | 0°♊ | |
| inferior conj | -12875 May 15 j 09:42 | 21°♊18'48 | -1°53'57 | max. Earth dist. | -12873 Oct 18 j 11:00 | 0°♊01'17 | 1.72968 AU |
| minimum elong | -12875 May 15 j 05:24 | 21°♊25'07 | 1°53'11 | desc. node | -12873 Oct 23 j 02:18 | 5°♊43'42 | |
| min. Earth dist. | -12875 May 15 j 12:21 | 21°♊14'56 | 0.26461 AU | | -12873 Nov 11 j 20:40 | 0°♊ | |
| morning rise | -12875 May 21 j 10:53 | 17°♊54'00 | | evening rise | -12873 Nov 23 j 09:21 | 14°♊08'19 | |
| direct | -12875 Jun 04 j 23:26 | 13°♊49'15 | | | -12873 Dec 06 j 08:02 | 0°♊ | |
| greatest brilliancy | -12875 Jun 16 j 04:58 | 16°♊09'30 | -4.9m | | -12873 Dec 30 j 20:22 | 0°♊ | |
| | -12875 Jul 07 j 12:48 | 0°♋ | | | -12872 Jan 24 j 11:28 | 0°♋ | |
| morning max el | -12875 Jul 25 j 14:19 | 17°♋00'27 | 46°37'18 | asc. node | -12872 Feb 11 j 01:04 | 21°♋13'25 | |
| | -12875 Aug 06 j 20:50 | 0°♋ | | | -12872 Feb 18 j 08:31 | 0°♋ | |
| asc. node | -12875 Aug 26 j 14:31 | 22°♋14'48 | | | -12872 Mar 14 j 15:12 | 0°♋ | |
| | -12875 Sep 02 j 06:31 | 0°♌ | | | -12872 Apr 09 j 12:48 | 0°♋ | |
| | -12875 Sep 27 j 14:08 | 0°♌ | | | -12872 May 06 j 15:31 | 0°♋ | |
| | -12875 Oct 22 j 14:32 | 0°♌ | | evening max el | -12872 May 19 j 02:20 | 12°♋53'24 | 47°38'41 |
| | -12875 Nov 16 j 14:07 | 0°♌ | | desc. node | -12872 Jun 04 j 00:55 | 27°♋51'11 | |
| | -12875 Dec 11 j 13:11 | 0°♌ | | | -12872 Jun 06 j 13:41 | 0°♌ | |
| desc. node | -12875 Dec 18 j 04:04 | 7°♌58'30 | | greatest brilliancy | -12872 Jun 29 j 13:11 | 14°♌23'56 | -4.9m |
| | -12874 Jan 05 j 09:13 | 0°♍ | | retrograde | -12872 Jul 09 j 00:36 | 16°♌06'37 | |
| morning set | -12874 Jan 27 j 06:13 | 26°♍39'22 | | evening set | -12872 Jul 26 j 17:28 | 9°♌59'41 | |
| | -12874 Jan 29 j 23:43 | 0°♍ | | min. Earth dist. | -12872 Jul 28 j 21:11 | 8°♌39'59 | 0.26832 AU |
| | -12874 Feb 23 j 08:03 | 0°♍ | | inferior conj | -12872 Jul 29 j 18:29 | 8°♌06'50 | -8°44'04 |
| max. Earth dist. | -12874 Feb 26 j 16:51 | 4°♍10'15 | 1.72911 AU | minimum elong | -12872 Jul 29 j 19:05 | 8°♌05'54 | 8°43'32 |
| | | | | morning rise | -12872 Aug 01 j 20:56 | 6°♌12'43 | |
| superior conj | -12874 Mar 03 j 07:28 | 9°♍53'17 | -1°08'30 | direct | -12872 Aug 18 j 23:05 | 0°♌29'08 | |
| minimum elong | -12874 Mar 03 j 14:12 | 10°♍14'11 | 1°09'08 | greatest brilliancy | -12872 Aug 28 j 09:49 | 2°♌13'02 | -4.9m |
| | -12874 Mar 19 j 11:29 | 0°♎ | | asc. node | -12872 Sep 23 j 02:47 | 19°♌05'40 | |
| evening rise | -12874 Apr 07 j 13:47 | 23°♎50'03 | | | -12872 Oct 04 j 20:12 | 0°♎ | |
| asc. node | -12874 Apr 07 j 21:52 | 24°♎15'19 | | morning max el | -12872 Oct 07 j 21:27 | 3°♎01'07 | 46°16'34 |
| | -12874 Apr 12 j 12:11 | 0°♎ | | | -12872 Nov 02 j 09:36 | 0°♎ | |
| | -12874 May 06 j 12:12 | 0°♏ | | | -12872 Nov 29 j 01:50 | 0°♎ | |
| | -12874 May 30 j 13:12 | 0°♏ | | | -12872 Dec 25 j 01:14 | 0°♎ | |
| | -12874 Jun 23 j 17:06 | 0°♏ | | desc. node | -12871 Jan 14 j 18:20 | 24°♎19'36 | |
| | -12874 Jul 18 j 02:37 | 0°♏ | | | -12871 Jan 19 j 13:14 | 0°♏ | |
| desc. node | -12874 Jul 30 j 17:44 | 15°♏21'11 | | | -12871 Feb 13 j 14:00 | 0°♏ | |
| | -12874 Aug 11 j 21:57 | 0°♏ | | | -12871 Mar 10 j 03:48 | 0°♏ | |
| | -12874 Sep 06 j 11:04 | 0°♏ | | | -12871 Apr 03 j 08:32 | 0°♏ | |
| | -12874 Oct 03 j 15:27 | 0°♏ | | morning set | -12871 Apr 03 j 13:18 | 0°♏14'53 | |
| evening max el | -12874 Oct 11 j 08:29 | 7°♏52'30 | 45°43'34 | | -12871 Apr 27 j 07:02 | 0°♏ | |
| | -12874 Nov 05 j 21:41 | 0°♐ | | asc. node | -12871 May 05 j 10:58 | 10°♏16'50 | |
| greatest brilliancy | -12874 Nov 18 j 01:34 | 6°♐45'10 | -4.7m | max. Earth dist. | -12871 May 07 j 06:35 | 12°♏34'14 | 1.71201 AU |
| asc. node | -12874 Nov 18 j 22:05 | 7°♐05'03 | | | | | |
| retrograde | -12874 Nov 29 j 12:30 | 9°♐09'57 | | superior conj | -12871 May 09 j 19:18 | 15°♏45'35 | 0°10'06 |
| evening set | -12874 Dec 15 j 11:56 | 4°♐07'42 | | minimum elong | -12871 May 09 j 17:18 | 15°♏39'15 | 0°09'25 |
| inferior conj | -12874 Dec 20 j 20:28 | 0°♐48'27 | 6°17'28 | behind sun begin | -12871 May 08 j 21:58 | 14°♏38'19 | |
| minimum elong | -12874 Dec 20 j 11:52 | 1°♐02'12 | 6°15'56 | behind sun end | -12871 May 10 j 12:37 | 16°♏40'12 | |
| min. Earth dist. | -12874 Dec 20 j 20:23 | 0°♐48'35 | 0.29497 AU | | -12871 May 21 j 02:14 | 0°♏ | |
| | -12874 Dec 22 j 02:49 | 30°♑ | | | -12871 Jun 13 j 20:46 | 0°♏ | |
| morning rise | -12874 Dec 25 j 11:56 | 27°♑54'12 | | evening rise | -12871 Jun 17 j 10:36 | 4°♏30'28 | |
| direct | -12873 Jan 11 j 18:11 | 22°♑15'00 | | | -12871 Jul 07 j 16:59 | 0°♏ | |
| greatest brilliancy | -12873 Jan 21 j 06:41 | 23°♑53'11 | -4.7m | | -12871 Jul 31 j 16:57 | 0°♏ | |
| | -12873 Feb 02 j 18:27 | 0°♑ | | | -12871 Aug 24 j 22:24 | 0°♏ | |
| morning max el | -12873 Mar 01 j 20:18 | 22°♑04'44 | 46°11'05 | desc. node | -12871 Aug 27 j 04:11 | 2°♑45'34 | |
| | -12873 Mar 09 j 22:15 | 0°♑ | | | -12871 Sep 18 j 10:46 | 0°♑ | |
| desc. node | -12873 Mar 12 j 18:48 | 2°♑53'52 | | | -12871 Oct 13 j 08:45 | 0°♑ | |
| | -12873 Apr 06 j 21:08 | 0°♑ | | | -12871 Nov 07 j 23:33 | 0°♑ | |
| | -12873 May 02 j 16:23 | 0°♑ | | | -12871 Dec 05 j 02:52 | 0°♑ | |
| | -12873 May 27 j 09:34 | 0°♑ | | asc. node | -12871 Dec 16 j 07:43 | 11°♑26'57 | |
| | -12873 Jun 20 j 12:33 | 0°♑ | | evening max el | -12871 Dec 21 j 01:53 | 16°♑04'15 | 44°47'25 |
| asc. node | -12873 Jul 01 j 13:04 | 13°♑50'35 | | | -12870 Jan 05 j 21:55 | 0°♑ | |
| | -12873 Jul 14 j 08:49 | 0°♑ | | greatest brilliancy | -12870 Jan 27 j 17:46 | 13°♑03'02 | -4.7m |
| | -12873 Aug 07 j 03:47 | 0°♑ | | retrograde | -12870 Feb 06 j 23:33 | 14°♑54'27 | |
| | -12873 Aug 31 j 01:21 | 0°♑ | | evening set | -12870 Feb 24 j 03:57 | 9°♑31'23 | |
| morning set | -12873 Sep 02 j 00:58 | 2°♑28'49 | | inferior conj | -12870 Feb 28 j 07:36 | 7°♑03'10 | 7°24'30 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| minimum elong | -12870 Feb 28 j 14:53 | 6°♂52'04 | 7°22'51 | minimum elong | -12868 Jul 23 j 13:25 | 1°♂44'18 | 1°22'46 |
| min. Earth dist. | -12870 Mar 01 j 15:40 | 6°♂14'20 | 0.28613 AU | max. Earth dist. | -12868 Jul 29 j 20:29 | 9°♂40'11 | 1.70976 AU |
| morning rise | -12870 Mar 05 j 01:13 | 4°♂13'04 | | | -12868 Aug 15 j 01:09 | 0°♂ | |
| | -12870 Mar 14 j 07:30 | 30°♂ | | evening rise | -12868 Sep 05 j 02:41 | 26°♂16'15 | |
| direct | -12870 Mar 22 j 03:17 | 28°♂48'29 | | | -12868 Sep 08 j 02:47 | 0°♂ | |
| | -12870 Mar 30 j 05:42 | 0°♂ | | desc. node | -12868 Sep 23 j 15:51 | 19°♂14'19 | |
| greatest brilliancy | -12870 Apr 02 j 16:47 | 1°♂10'26 | -4.8m | | -12868 Oct 02 j 09:23 | 0°♂ | |
| desc. node | -12870 Apr 09 j 06:40 | 4°♂19'25 | | | -12868 Oct 26 j 20:33 | 0°♂ | |
| | -12870 May 10 j 19:00 | 0°♂ | | | -12868 Nov 20 j 12:44 | 0°♂ | |
| morning max el | -12870 May 11 j 05:12 | 0°♂25'22 | 46°33'09 | | -12868 Dec 15 j 13:03 | 0°♂ | |
| | -12870 Jun 07 j 16:53 | 0°♂ | | | -12867 Jan 10 j 04:43 | 0°♂ | |
| | -12870 Jul 03 j 05:45 | 0°♂ | | asc. node | -12867 Jan 12 j 17:14 | 2°♂53'18 | |
| | -12870 Jul 27 j 19:44 | 0°♂ | | | -12867 Feb 06 j 01:40 | 0°♂ | |
| asc. node | -12870 Jul 29 j 03:13 | 1°♂37'05 | | evening max el | -12867 Mar 03 j 19:24 | 26°♂18'41 | 45°46'19 |
| | -12870 Aug 21 j 00:54 | 0°♂ | | | -12867 Mar 07 j 17:56 | 0°♂ | |
| | -12870 Sep 14 j 05:08 | 0°♂ | | greatest brilliancy | -12867 Apr 12 j 06:52 | 24°♂36'47 | -4.8m |
| | -12870 Oct 08 j 12:32 | 0°♂ | | retrograde | -12867 Apr 22 j 02:19 | 26°♂20'01 | |
| | -12870 Nov 01 j 23:55 | 0°♂ | | evening set | -12867 May 06 j 10:39 | 22°♂26'48 | |
| morning set | -12870 Nov 16 j 18:01 | 18°♂01'21 | | desc. node | -12867 May 06 j 17:20 | 22°♂18'16 | |
| desc. node | -12870 Nov 19 j 15:57 | 21°♂34'43 | | inferior conj | -12867 May 12 j 21:15 | 18°♂50'39 | -1°30'30 |
| | -12870 Nov 26 j 13:33 | 0°♂ | | minimum elong | -12867 May 12 j 17:47 | 18°♂55'43 | 1°30'00 |
| | -12870 Dec 21 j 02:39 | 0°♂ | | min. Earth dist. | -12867 May 13 j 01:21 | 18°♂44'37 | 0.26499 AU |
| max. Earth dist. | -12870 Dec 22 j 10:07 | 1°♂36'19 | 1.73851 AU | morning rise | -12867 May 19 j 00:25 | 15°♂23'31 | |
| | | | | direct | -12867 Jun 02 j 12:39 | 11°♂20'21 | |
| superior conj | -12870 Dec 25 j 02:19 | 4°♂52'54 | -1°07'06 | greatest brilliancy | -12867 Jun 13 j 18:29 | 13°♂41'20 | -4.9m |
| minimum elong | -12870 Dec 24 j 18:41 | 4°♂29'32 | 1°06'58 | | -12867 Jul 07 j 22:57 | 0°♂ | |
| | -12869 Jan 14 j 13:22 | 0°♂ | | morning max el | -12867 Jul 23 j 04:07 | 14°♂33'37 | 46°37'41 |
| evening rise | -12869 Jan 29 j 13:12 | 18°♂27'40 | | | -12867 Aug 06 j 16:10 | 0°♂ | |
| greatest brilliancy | -12869 Jan 31 j 18:29 | 21°♂11'52 | -3.9m | asc. node | -12867 Aug 25 j 16:48 | 21°♂34'38 | |
| | -12869 Feb 07 j 21:47 | 0°♂ | | | -12867 Sep 01 j 21:57 | 0°♂ | |
| | -12869 Mar 04 j 05:35 | 0°♂ | | | -12867 Sep 27 j 03:48 | 0°♂ | |
| asc. node | -12869 Mar 10 j 12:04 | 7°♂43'33 | | | -12867 Oct 22 j 03:11 | 0°♂ | |
| | -12869 Mar 28 j 14:43 | 0°♂ | | | -12867 Nov 16 j 02:06 | 0°♂ | |
| | -12869 Apr 22 j 02:45 | 0°♂ | | | -12867 Dec 11 j 00:43 | 0°♂ | |
| | -12869 May 16 j 19:36 | 0°♂ | | desc. node | -12867 Dec 17 j 06:09 | 7°♂30'22 | |
| | -12869 Jun 10 j 21:36 | 0°♂ | | | -12866 Jan 04 j 20:26 | 0°♂ | |
| desc. node | -12869 Jul 02 j 10:17 | 25°♂02'19 | | morning set | -12866 Jan 25 j 01:16 | 24°♂36'53 | |
| | -12869 Jul 06 j 19:17 | 0°♂ | | | -12866 Jan 29 j 10:47 | 0°♂ | |
| evening max el | -12869 Jul 30 j 09:57 | 25°♂32'25 | 47°33'41 | | -12866 Feb 22 j 19:03 | 0°♂ | |
| | -12869 Aug 03 j 20:14 | 0°♂ | | max. Earth dist. | -12866 Feb 24 j 12:10 | 2°♂07'16 | 1.72966 AU |
| greatest brilliancy | -12869 Sep 09 j 10:27 | 27°♂41'53 | -4.9m | | | | |
| retrograde | -12869 Sep 19 j 15:56 | 29°♂44'05 | | superior conj | -12866 Mar 01 j 03:24 | 7°♂52'01 | -1°09'57 |
| evening set | -12869 Oct 04 j 23:20 | 24°♂55'41 | | minimum elong | -12866 Mar 01 j 09:52 | 8°♂12'03 | 1°10'36 |
| inferior conj | -12869 Oct 10 j 16:35 | 21°♂20'24 | -2°31'58 | | -12866 Mar 18 j 22:34 | 0°♂ | |
| minimum elong | -12869 Oct 10 j 21:34 | 21°♂12'18 | 2°29'46 | evening rise | -12866 Apr 05 j 08:14 | 21°♂42'43 | |
| min. Earth dist. | -12869 Oct 10 j 06:35 | 21°♂36'38 | 0.28206 AU | asc. node | -12866 Apr 07 j 00:10 | 23°♂47'28 | |
| morning rise | -12869 Oct 16 j 20:27 | 17°♂31'03 | | | -12866 Apr 11 j 23:27 | 0°♂ | |
| asc. node | -12869 Oct 21 j 14:02 | 15°♂11'08 | | | -12866 May 05 j 23:43 | 0°♂ | |
| direct | -12869 Oct 31 j 13:16 | 13°♂07'16 | | | -12866 May 30 j 01:01 | 0°♂ | |
| greatest brilliancy | -12869 Nov 09 j 17:20 | 14°♂41'46 | -4.8m | | -12866 Jun 23 j 05:17 | 0°♂ | |
| | -12869 Dec 04 j 12:42 | 0°♂ | | | -12866 Jul 17 j 15:19 | 0°♂ | |
| morning max el | -12869 Dec 19 j 10:47 | 13°♂19'24 | 46°01'47 | desc. node | -12866 Jul 29 j 19:59 | 14°♂48'27 | |
| | -12868 Jan 05 j 03:35 | 0°♂ | | | -12866 Aug 11 j 11:28 | 0°♂ | |
| | -12868 Feb 01 j 21:31 | 0°♂ | | | -12866 Sep 06 j 02:13 | 0°♂ | |
| desc. node | -12868 Feb 12 j 08:11 | 11°♂47'23 | | | -12866 Oct 03 j 10:51 | 0°♂ | |
| | -12868 Feb 28 j 02:40 | 0°♂ | | evening max el | -12866 Oct 09 j 01:24 | 5°♂41'48 | 45°47'09 |
| | -12868 Mar 24 j 08:26 | 0°♂ | | | -12866 Nov 06 j 20:25 | 0°♂ | |
| | -12868 Apr 17 j 21:29 | 0°♂ | | greatest brilliancy | -12866 Nov 15 j 19:55 | 4°♂39'59 | -4.7m |
| | -12868 May 11 j 23:12 | 0°♂ | | asc. node | -12866 Nov 18 j 00:21 | 5°♂28'07 | |
| greatest brilliancy | -12868 May 31 j 00:44 | 24°♂01'03 | -3.9m | retrograde | -12866 Nov 27 j 06:20 | 7°♂04'16 | |
| asc. node | -12868 Jun 02 j 00:49 | 26°♂32'58 | | evening set | -12866 Dec 13 j 03:36 | 2°♂05'13 | |
| | -12868 Jun 04 j 18:19 | 0°♂ | | | -12866 Dec 16 j 13:36 | 30°♂ | |
| morning set | -12868 Jun 12 j 18:26 | 10°♂07'47 | | inferior conj | -12866 Dec 18 j 14:13 | 28°♂42'22 | 6°05'59 |
| | -12868 Jun 28 j 10:55 | 0°♂ | | minimum elong | -12866 Dec 18 j 05:33 | 28°♂56'16 | 6°04'23 |
| | -12868 Jul 22 j 04:21 | 0°♂ | | min. Earth dist. | -12866 Dec 18 j 13:06 | 28°♂44'09 | 0.29476 AU |
| | | | | morning rise | -12866 Dec 23 j 07:40 | 25°♂44'45 | |
| superior conj | -12868 Jul 23 j 16:30 | 1°♂54'02 | 1°22'20 | direct | -12865 Jan 09 j 11:47 | 20°♂09'20 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-------------------------------|------------|---------------------|-----------------------|-------------------------------|------------|
| greatest brilliancy | -12865 Jan 18 j 22:09 | 21° \mathbb{M} 45'48 | -4.7m | evening rise | -12863 Jun 14 j 22:35 | 2° \mathbb{Y} 01'28 | |
| | -12865 Feb 03 j 16:14 | 0° \mathbb{L} | | | -12863 Jul 07 j 04:23 | 0° \mathbb{B} | |
| morning max el | -12865 Feb 27 j 12:32 | 19° \mathbb{L} 56'03 | 46°10'12 | | -12863 Jul 31 j 04:32 | 0° \mathbb{I} | |
| | -12865 Mar 09 j 17:38 | 0° \mathbb{M} | | | -12863 Aug 24 j 10:10 | 0° \mathbb{E} | |
| desc. node | -12865 Mar 11 j 21:11 | 2° \mathbb{M} 11'51 | | desc. node | -12863 Aug 26 j 06:34 | 2° \mathbb{E} 16'36 | |
| | -12865 Apr 06 j 12:03 | 0° \mathbb{J} | | | -12863 Sep 17 j 22:52 | 0° \mathbb{O} | |
| | -12865 May 02 j 05:36 | 0° \mathbb{Z} | | | -12863 Oct 12 j 21:31 | 0° \mathbb{M} | |
| | -12865 May 26 j 21:58 | 0° \approx | | | -12863 Nov 07 j 13:45 | 0° \mathbb{L} | |
| | -12865 Jun 20 j 00:30 | 0° \mathbb{H} | | | -12863 Dec 04 j 20:46 | 0° \mathbb{M} | |
| asc. node | -12865 Jun 30 j 15:11 | 13° \mathbb{H} 20'07 | | asc. node | -12863 Dec 15 j 10:01 | 10° \mathbb{M} 41'15 | |
| | -12865 Jul 13 j 20:30 | 0° \mathbb{Y} | | evening max el | -12863 Dec 18 j 16:21 | 13° \mathbb{M} 50'41 | 44°47'37 |
| | -12865 Aug 06 j 15:17 | 0° \mathbb{B} | | | -12862 Jan 06 j 08:48 | 0° \mathbb{J} | |
| morning set | -12865 Aug 30 j 10:10 | 29° \mathbb{B} 52'00 | | greatest brilliancy | -12862 Jan 25 j 07:25 | 10° \mathbb{J} 51'53 | -4.7m |
| | -12865 Aug 30 j 12:43 | 0° \mathbb{I} | | retrograde | -12862 Feb 04 j 15:00 | 12° \mathbb{J} 45'19 | |
| | -12865 Sep 23 j 14:53 | 0° \mathbb{E} | | evening set | -12862 Feb 21 j 21:13 | 7° \mathbb{J} 18'24 | |
| | | | | inferior conj | -12862 Feb 25 j 23:11 | 4° \mathbb{J} 52'33 | 7°32'08 |
| superior conj | -12865 Oct 11 j 18:14 | 22° \mathbb{E} 25'29 | 0°23'09 | minimum elong | -12862 Feb 26 j 05:57 | 4° \mathbb{J} 42'14 | 7°30'38 |
| minimum elong | -12865 Oct 12 j 00:12 | 22° \mathbb{E} 43'53 | 0°23'40 | min. Earth dist. | -12862 Feb 27 j 06:48 | 4° \mathbb{J} 04'22 | 0.28686 AU |
| max. Earth dist. | -12865 Oct 16 j 06:21 | 27° \mathbb{E} 58'39 | 1.72905 AU | morning rise | -12862 Mar 02 j 14:07 | 2° \mathbb{J} 06'15 | |
| | -12865 Oct 17 j 21:46 | 0° \mathbb{O} | | | -12862 Mar 06 j 12:11 | 30° \mathbb{R} \mathbb{M} | |
| desc. node | -12865 Oct 22 j 04:26 | 5° \mathbb{O} 15'55 | | direct | -12862 Mar 19 j 19:11 | 26° \mathbb{M} 36'17 | |
| | -12865 Nov 11 j 07:46 | 0° \mathbb{M} | | greatest brilliancy | -12862 Mar 31 j 08:22 | 28° \mathbb{M} 57'57 | -4.8m |
| evening rise | -12865 Nov 21 j 01:22 | 11° \mathbb{M} 56'19 | | | -12862 Apr 02 j 18:59 | 0° \mathbb{J} | |
| | -12865 Dec 05 j 19:08 | 0° \mathbb{L} | | desc. node | -12862 Apr 08 j 08:47 | 2° \mathbb{J} 55'53 | |
| | -12865 Dec 30 j 07:36 | 0° \mathbb{M} | | morning max el | -12862 May 08 j 20:52 | 28° \mathbb{J} 09'33 | 46°32'30 |
| | -12864 Jan 23 j 23:05 | 0° \mathbb{J} | | | -12862 May 10 j 17:01 | 0° \mathbb{Z} | |
| asc. node | -12864 Feb 10 j 03:27 | 20° \mathbb{J} 44'12 | | | -12862 Jun 07 j 08:53 | 0° \approx | |
| | -12864 Feb 17 j 20:53 | 0° \mathbb{Z} | | | -12862 Jul 02 j 19:36 | 0° \mathbb{H} | |
| | -12864 Mar 14 j 04:48 | 0° \approx | | | -12862 Jul 27 j 08:31 | 0° \mathbb{Y} | |
| | -12864 Apr 09 j 04:32 | 0° \mathbb{H} | | asc. node | -12862 Jul 28 j 05:29 | 1° \mathbb{Y} 04'42 | |
| | -12864 May 06 j 11:46 | 0° \mathbb{Y} | | | -12862 Aug 20 j 13:06 | 0° \mathbb{B} | |
| evening max el | -12864 May 16 j 16:16 | 10° \mathbb{Y} 28'26 | 47°35'54 | | -12862 Sep 13 j 16:55 | 0° \mathbb{I} | |
| desc. node | -12864 Jun 03 j 03:10 | 26° \mathbb{Y} 42'17 | | | -12862 Oct 07 j 23:59 | 0° \mathbb{E} | |
| | -12864 Jun 07 j 03:57 | 0° \mathbb{B} | | | -12862 Nov 01 j 11:06 | 0° \mathbb{O} | |
| greatest brilliancy | -12864 Jun 27 j 02:39 | 11° \mathbb{B} 54'50 | -4.9m | morning set | -12862 Nov 14 j 08:11 | 15° \mathbb{O} 44'15 | |
| retrograde | -12864 Jul 06 j 13:10 | 13° \mathbb{B} 36'31 | | desc. node | -12862 Nov 18 j 18:01 | 21° \mathbb{O} 07'21 | |
| evening set | -12864 Jul 24 j 05:35 | 7° \mathbb{B} 32'23 | | | -12862 Nov 26 j 00:32 | 0° \mathbb{M} | |
| min. Earth dist. | -12864 Jul 26 j 10:06 | 6° \mathbb{B} 11'36 | 0.26788 AU | max. Earth dist. | -12862 Dec 20 j 07:12 | 29° \mathbb{M} 40'42 | 1.73854 AU |
| inferior conj | -12864 Jul 27 j 07:25 | 5° \mathbb{B} 38'26 | -8°44'19 | | -12862 Dec 20 j 13:30 | 0° \mathbb{L} | |
| minimum elong | -12864 Jul 27 j 07:07 | 5° \mathbb{B} 38'54 | 8°43'49 | | | | |
| morning rise | -12864 Jul 30 j 08:52 | 3° \mathbb{B} 45'51 | | superior conj | -12862 Dec 22 j 20:21 | 2° \mathbb{L} 47'57 | -1°05'24 |
| | -12864 Aug 06 j 17:40 | 30° \mathbb{R} \mathbb{Y} | | minimum elong | -12862 Dec 22 j 12:27 | 2° \mathbb{L} 23'44 | 1°05'14 |
| direct | -12864 Aug 16 j 11:28 | 28° \mathbb{Y} 02'02 | | | -12861 Jan 14 j 00:12 | 0° \mathbb{M} | |
| greatest brilliancy | -12864 Aug 25 j 23:30 | 29° \mathbb{Y} 46'32 | -4.9m | evening rise | -12861 Jan 27 j 09:22 | 16° \mathbb{M} 28'27 | |
| | -12864 Aug 26 j 14:21 | 0° \mathbb{B} | | greatest brilliancy | -12861 Jan 30 j 12:51 | 20° \mathbb{M} 20'59 | -3.9m |
| asc. node | -12864 Sep 22 j 05:09 | 18° \mathbb{B} 02'04 | | | -12861 Feb 07 j 08:43 | 0° \mathbb{J} | |
| | -12864 Oct 04 j 20:00 | 0° \mathbb{I} | | | -12861 Mar 03 j 16:45 | 0° \mathbb{Z} | |
| morning max el | -12864 Oct 05 j 09:58 | 0° \mathbb{I} 34'54 | 46°17'21 | asc. node | -12861 Mar 09 j 14:27 | 7° \mathbb{Z} 16'15 | |
| | -12864 Nov 02 j 02:14 | 0° \mathbb{E} | | | -12861 Mar 28 j 02:16 | 0° \approx | |
| | -12864 Nov 28 j 15:49 | 0° \mathbb{O} | | | -12861 Apr 21 j 14:53 | 0° \mathbb{H} | |
| | -12864 Dec 24 j 13:51 | 0° \mathbb{M} | | | -12861 May 16 j 08:36 | 0° \mathbb{Y} | |
| desc. node | -12863 Jan 13 j 20:27 | 23° \mathbb{M} 50'39 | | | -12861 Jun 10 j 11:56 | 0° \mathbb{B} | |
| | -12863 Jan 19 j 01:01 | 0° \mathbb{L} | | desc. node | -12861 Jul 01 j 12:33 | 24° \mathbb{B} 22'35 | |
| | -12863 Feb 13 j 01:17 | 0° \mathbb{M} | | | -12861 Jul 06 j 12:08 | 0° \mathbb{I} | |
| | -12863 Mar 09 j 14:50 | 0° \mathbb{J} | | evening max el | -12861 Jul 28 j 01:59 | 23° \mathbb{I} 15'02 | 47°36'19 |
| morning set | -12863 Apr 01 j 08:15 | 28° \mathbb{J} 10'08 | | | -12861 Aug 03 j 20:14 | 0° \mathbb{E} | |
| | -12863 Apr 02 j 19:28 | 0° \mathbb{Z} | | greatest brilliancy | -12861 Sep 07 j 03:49 | 25° \mathbb{E} 26'18 | -4.9m |
| | -12863 Apr 26 j 18:01 | 0° \approx | | retrograde | -12861 Sep 17 j 08:43 | 27° \mathbb{E} 28'06 | |
| asc. node | -12863 May 04 j 13:07 | 9° \approx 48'53 | | evening set | -12861 Oct 02 j 17:23 | 22° \mathbb{E} 36'50 | |
| max. Earth dist. | -12863 May 04 j 19:02 | 10° \approx 07'30 | 1.71259 AU | inferior conj | -12861 Oct 08 j 08:46 | 19° \mathbb{E} 04'36 | -2°51'23 |
| | | | | minimum elong | -12861 Oct 08 j 14:20 | 18° \mathbb{E} 55'35 | 2°49'01 |
| superior conj | -12863 May 07 j 11:25 | 13° \approx 30'19 | 0°06'50 | min. Earth dist. | -12861 Oct 07 j 22:36 | 19° \mathbb{E} 21'04 | 0.28156 AU |
| minimum elong | -12863 May 07 j 10:07 | 13° \approx 26'13 | 0°06'08 | morning rise | -12861 Oct 14 j 11:57 | 15° \mathbb{E} 16'43 | |
| behind sun begin | -12863 May 06 j 12:15 | 12° \approx 17'20 | | asc. node | -12861 Oct 20 j 16:13 | 12° \mathbb{E} 23'24 | |
| behind sun end | -12863 May 08 j 07:59 | 14° \approx 35'08 | | direct | -12861 Oct 29 j 04:37 | 10° \mathbb{E} 52'21 | |
| | -12863 May 20 j 13:20 | 0° \mathbb{H} | | greatest brilliancy | -12861 Nov 07 j 08:55 | 12° \mathbb{E} 27'35 | -4.8m |
| | -12863 Jun 13 j 08:01 | 0° \mathbb{Y} | | | -12861 Dec 04 j 19:30 | 0° \mathbb{O} | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| morning max el | -12861 Dec 17 j 03:39 | 11°Ω11'10 | 46°01'59 | desc. node | -12858 Jul 28 j 22:24 | 14°Π16'50 | |
| | -12860 Jan 04 j 21:17 | 0°൬ | | | -12858 Aug 11 j 00:52 | 0°☾ | |
| | -12860 Feb 01 j 11:41 | 0°♎ | | | -12858 Sep 05 j 17:22 | 0°Ω | |
| desc. node | -12860 Feb 11 j 10:27 | 11°♎15'35 | | | -12858 Oct 03 j 06:43 | 0°൬ | |
| | -12860 Feb 27 j 15:18 | 0°♍ | | evening max el | -12858 Oct 06 j 17:18 | 3°൬28'36 | 45°50'31 |
| | -12860 Mar 23 j 20:15 | 0°♌ | | | -12858 Nov 08 j 04:37 | 0°♎ | |
| | -12860 Apr 17 j 08:52 | 0°♍ | | greatest brilliancy | -12858 Nov 13 j 14:29 | 2°♎34'24 | -4.7m |
| | -12860 May 11 j 10:21 | 0°♍ | | asc. node | -12858 Nov 17 j 02:40 | 3°♎47'14 | |
| greatest brilliancy | -12860 May 30 j 06:48 | 23°♍45'06 | -3.9m | retrograde | -12858 Nov 24 j 23:36 | 4°♎57'48 | |
| asc. node | -12860 Jun 01 j 03:00 | 26°♍04'46 | | evening set | -12858 Dec 10 j 19:06 | 0°♎01'51 | |
| | -12860 Jun 04 j 05:24 | 0°♌ | | | -12858 Dec 10 j 20:22 | 30°♌൬ | |
| morning set | -12860 Jun 10 j 07:34 | 7°♌42'23 | | inferior conj | -12858 Dec 16 j 07:47 | 26°൬35'38 | 5°53'47 |
| | -12860 Jun 27 j 22:01 | 0°♌ | | minimum elong | -12858 Dec 15 j 23:06 | 26°൬49'35 | 5°52'10 |
| | | | | min. Earth dist. | -12858 Dec 16 j 06:03 | 26°൬38'25 | 0.29454 AU |
| superior conj | -12860 Jul 21 j 01:43 | 29°♌16'34 | 1°21'45 | morning rise | -12858 Dec 21 j 03:15 | 23°൬34'32 | |
| minimum elong | -12860 Jul 20 j 21:36 | 29°♌03'34 | 1°22'07 | direct | -12857 Jan 07 j 04:43 | 18°൬02'55 | |
| | -12860 Jul 21 j 15:30 | 0°♌ | | greatest brilliancy | -12857 Jan 16 j 14:10 | 19°൬38'22 | -4.7m |
| max. Earth dist. | -12860 Jul 27 j 02:15 | 6°♌52'05 | 1.70939 AU | | -12857 Feb 04 j 08:38 | 0°♎ | |
| | -12860 Aug 14 j 12:21 | 0°♍ | | morning max el | -12857 Feb 25 j 03:43 | 17°♎44'49 | 46°09'30 |
| evening rise | -12860 Sep 02 j 10:02 | 23°♍35'06 | | | -12857 Mar 09 j 12:29 | 0°♍ | |
| | -12860 Sep 07 j 14:00 | 0°☾ | | desc. node | -12857 Mar 10 j 23:17 | 1°♍29'42 | |
| desc. node | -12860 Sep 22 j 18:00 | 18°☾46'07 | | | -12857 Apr 06 j 02:44 | 0°♌ | |
| | -12860 Oct 01 j 20:41 | 0°Ω | | | -12857 May 01 j 18:38 | 0°♍ | |
| | -12860 Oct 26 j 07:59 | 0°൬ | | | -12857 May 26 j 10:13 | 0°♍ | |
| | -12860 Nov 20 j 00:29 | 0°♎ | | | -12857 Jun 19 j 12:20 | 0°♌ | |
| | -12860 Dec 15 j 01:29 | 0°♍ | | asc. node | -12857 Jun 29 j 17:24 | 12°♌50'17 | |
| asc. node | -12859 Jan 09 j 18:35 | 0°♌ | | | -12857 Jul 13 j 08:05 | 0°♌ | |
| | -12859 Jan 11 j 19:38 | 2°♌20'04 | | | -12857 Aug 06 j 02:42 | 0°♌ | |
| | -12859 Feb 05 j 18:44 | 0°♍ | | morning set | -12857 Aug 27 j 19:36 | 27°♌16'01 | |
| evening max el | -12859 Mar 01 j 09:50 | 24°♍01'32 | 45°42'43 | | -12857 Aug 30 j 00:00 | 0°♍ | |
| | -12859 Mar 07 j 20:50 | 0°♍ | | | -12857 Sep 23 j 02:04 | 0°☾ | |
| greatest brilliancy | -12859 Apr 09 j 18:08 | 22°♍10'37 | -4.8m | | | | |
| retrograde | -12859 Apr 19 j 14:07 | 23°♍53'40 | | superior conj | -12857 Oct 09 j 05:13 | 19°☾57'03 | 0°26'40 |
| evening set | -12859 May 03 j 22:30 | 20°♍00'58 | | minimum elong | -12857 Oct 09 j 12:00 | 20°☾18'00 | 0°27'09 |
| desc. node | -12859 May 05 j 19:34 | 19°♍01'27 | | max. Earth dist. | -12857 Oct 14 j 01:33 | 25°☾55'40 | 1.72842 AU |
| inferior conj | -12859 May 10 j 09:02 | 16°♍24'31 | -1°06'59 | | -12857 Oct 17 j 08:52 | 0°Ω | |
| minimum elong | -12859 May 10 j 06:28 | 16°♍28'18 | 1°06'46 | desc. node | -12857 Oct 21 j 06:34 | 4°Ω48'22 | |
| min. Earth dist. | -12859 May 10 j 14:43 | 16°♍16'11 | 0.26536 AU | | -12857 Nov 10 j 18:50 | 0°൬ | |
| morning rise | -12859 May 16 j 13:56 | 12°♍55'05 | | evening rise | -12857 Nov 18 j 17:09 | 9°൬43'34 | |
| direct | -12859 May 31 j 02:01 | 8°♍53'38 | | | -12857 Dec 05 j 06:14 | 0°♎ | |
| greatest brilliancy | -12859 Jun 11 j 08:01 | 11°♍14'47 | -4.9m | | -12857 Dec 29 j 18:55 | 0°♍ | |
| | -12859 Jul 08 j 05:51 | 0°♌ | | | -12856 Jan 23 j 10:49 | 0°♌ | |
| morning max el | -12859 Jul 20 j 17:02 | 12°♌05'50 | 46°37'58 | asc. node | -12856 Feb 09 j 05:49 | 20°♌14'44 | |
| | -12859 Aug 06 j 10:36 | 0°♌ | | | -12856 Feb 17 j 09:22 | 0°♍ | |
| asc. node | -12859 Aug 24 j 19:06 | 20°♌56'00 | | | -12856 Mar 13 j 18:33 | 0°♍ | |
| | -12859 Sep 01 j 12:52 | 0°♌ | | | -12856 Apr 08 j 20:31 | 0°♌ | |
| | -12859 Sep 26 j 17:07 | 0°♍ | | | -12856 May 06 j 08:39 | 0°♌ | |
| | -12859 Oct 21 j 15:36 | 0°☾ | | evening max el | -12856 May 14 j 05:00 | 8°♌00'32 | 47°33'03 |
| | -12859 Nov 15 j 13:56 | 0°Ω | | desc. node | -12856 Jun 02 j 05:31 | 25°♌31'34 | |
| | -12859 Dec 10 j 12:06 | 0°൬ | | | -12856 Jun 07 j 22:53 | 0°♌ | |
| desc. node | -12859 Dec 16 j 08:21 | 7°൬02'55 | | greatest brilliancy | -12856 Jun 24 j 16:09 | 9°♌25'23 | -4.9m |
| | -12858 Jan 04 j 07:31 | 0°♎ | | retrograde | -12856 Jul 04 j 01:26 | 11°♌06'10 | |
| morning set | -12858 Jan 22 j 19:58 | 22°♎33'56 | | evening set | -12856 Jul 21 j 17:01 | 5°♌05'20 | |
| | -12858 Jan 28 j 21:39 | 0°♍ | | min. Earth dist. | -12856 Jul 23 j 23:05 | 3°♌42'29 | 0.26746 AU |
| | -12858 Feb 22 j 05:52 | 0°♌ | | inferior conj | -12856 Jul 24 j 20:14 | 3°♌09'40 | -8°43'24 |
| max. Earth dist. | -12858 Feb 22 j 06:37 | 0°♌02'19 | 1.73017 AU | minimum elong | -12856 Jul 24 j 19:02 | 3°♌11'32 | 8°42'56 |
| | | | | morning rise | -12856 Jul 27 j 21:13 | 1°♌17'55 | |
| superior conj | -12858 Feb 26 j 23:16 | 5°♌51'11 | -1°11'20 | | -12856 Jul 30 j 03:09 | 30°♌൬ | |
| minimum elong | -12858 Feb 27 j 05:25 | 6°♌10'13 | 1°11'58 | direct | -12856 Aug 13 j 23:27 | 25°♌34'10 | |
| | -12858 Mar 18 j 09:27 | 0°♍ | | greatest brilliancy | -12856 Aug 23 j 13:34 | 27°♌20'06 | -4.9m |
| evening rise | -12858 Apr 03 j 02:48 | 19°♍36'25 | | | -12856 Aug 29 j 13:33 | 0°♌ | |
| asc. node | -12858 Apr 06 j 02:19 | 23°♍19'39 | | asc. node | -12856 Sep 21 j 07:14 | 16°♌59'17 | |
| | -12858 Apr 11 j 10:33 | 0°♍ | | morning max el | -12856 Oct 02 j 22:31 | 28°♌08'24 | 46°18'18 |
| | -12858 May 05 j 11:04 | 0°♌ | | | -12856 Oct 04 j 18:50 | 0°♍ | |
| | -12858 May 29 j 12:41 | 0°♌ | | | -12856 Nov 01 j 18:36 | 0°☾ | |
| | -12858 Jun 22 j 17:18 | 0°♌ | | | -12856 Nov 28 j 05:43 | 0°Ω | |
| | -12858 Jul 17 j 03:50 | 0°♍ | | | -12856 Dec 24 j 02:28 | 0°൬ | |

| | | | | | | | | |
|---------------------|-----------------------|------------------------------------|------------|---------------------|-----------------------|-------------------------------------|------------------------|----------|
| desc. node | -12855 Jan 12 j 22:40 | 23° \mathbb{M} 21'41 | | desc. node | -12853 Jun 10 j 02:43 | 0° \mathcal{B} | | |
| | -12855 Jan 18 j 12:53 | 0° $\underline{\mathcal{A}}$ | | | -12853 Jun 30 j 14:56 | 23° \mathcal{B} 41'55 | | |
| | -12855 Feb 12 j 12:42 | 0° \mathbb{M} | | | -12853 Jul 06 j 05:36 | 0° \mathbb{I} | | |
| | -12855 Mar 09 j 02:01 | 0° \mathcal{A} | | | evening max el | -12853 Jul 25 j 18:36 | 20° \mathbb{I} 58'21 | 47°38'55 |
| | -12855 Mar 30 j 03:00 | 26° \mathcal{A} 04'21 | | | -12853 Aug 03 j 21:43 | 0° \mathcal{E} | | |
| morning set | -12855 Apr 02 j 06:35 | 0° \mathcal{Z} | | greatest brilliancy | -12853 Sep 04 j 20:43 | 23° \mathcal{E} 09'13 | -4.9m | |
| | -12855 Apr 26 j 05:08 | 0° \approx | | retrograde | -12853 Sep 15 j 01:34 | 25° \mathcal{E} 10'48 | | |
| max. Earth dist. | -12855 May 02 j 09:53 | 7° \approx 48'04 | 1.71312 AU | evening set | -12853 Sep 30 j 11:30 | 20° \mathcal{E} 16'41 | | |
| asc. node | -12855 May 03 j 15:20 | 9° \approx 20'48 | | min. Earth dist. | -12853 Oct 05 j 14:15 | 17° \mathcal{E} 04'37 | 0.28105 AU | |
| | | | | inferior conj | -12853 Oct 06 j 00:50 | 16° \mathcal{E} 47'28 | -3°10'40 | |
| superior conj | -12855 May 05 j 03:26 | 11° \approx 14'29 | 0°03'31 | minimum elong | -12853 Oct 06 j 06:58 | 16° \mathcal{E} 37'32 | 3°08'08 | |
| minimum elong | -12855 May 05 j 02:49 | 11° \approx 12'32 | 0°02'52 | morning rise | -12853 Oct 12 j 03:10 | 13° \mathcal{E} 01'18 | | |
| behind sun begin | -12855 May 04 j 03:47 | 9° \approx 59'59 | | asc. node | -12853 Oct 19 j 18:34 | 9° \mathcal{E} 39'15 | | |
| behind sun end | -12855 May 06 j 01:51 | 12° \approx 25'06 | | direct | -12853 Oct 26 j 20:21 | 8° \mathcal{E} 36'20 | | |
| | -12855 May 20 j 00:32 | 0° \mathcal{H} | | greatest brilliancy | -12853 Nov 04 j 23:57 | 10° \mathcal{E} 11'38 | -4.8m | |
| evening rise | -12855 Jun 12 j 10:43 | 29° \mathcal{H} 32'45 | | | -12853 Dec 05 j 00:37 | 0° \mathcal{Q} | | |
| | -12855 Jun 12 j 19:22 | 0° \mathcal{Y} | | morning max el | -12853 Dec 14 j 20:35 | 9° \mathcal{Q} 02'11 | 46°02'12 | |
| | -12855 Jul 06 j 15:55 | 0° \mathcal{B} | | | -12852 Jan 04 j 14:54 | 0° \mathbb{M} | | |
| | -12855 Jul 30 j 16:15 | 0° \mathbb{I} | | | -12852 Feb 01 j 01:59 | 0° $\underline{\mathcal{A}}$ | | |
| | -12855 Aug 23 j 22:06 | 0° \mathcal{E} | | desc. node | -12852 Feb 10 j 12:32 | 10° $\underline{\mathcal{A}}$ 42'40 | | |
| desc. node | -12855 Aug 25 j 08:44 | 1° \mathcal{E} 46'28 | | | -12852 Feb 27 j 04:06 | 0° \mathbb{M} | | |
| | -12855 Sep 17 j 11:09 | 0° \mathcal{Q} | | | -12852 Mar 23 j 08:18 | 0° \mathcal{A} | | |
| | -12855 Oct 12 j 10:28 | 0° \mathbb{M} | | | -12852 Apr 16 j 20:32 | 0° \mathcal{Z} | | |
| | -12855 Nov 07 j 04:13 | 0° $\underline{\mathcal{A}}$ | | | -12852 May 10 j 21:52 | 0° \approx | | |
| | -12855 Dec 04 j 15:16 | 0° \mathbb{M} | | greatest brilliancy | -12852 May 29 j 12:17 | 23° \approx 26'14 | -3.9m | |
| asc. node | -12855 Dec 14 j 12:23 | 9° \mathbb{M} 54'31 | | asc. node | -12852 May 31 j 05:15 | 25° \approx 35'41 | | |
| evening max el | -12855 Dec 16 j 07:17 | 11° \mathbb{M} 37'47 | 44°47'50 | | -12852 Jun 03 j 16:52 | 0° \mathcal{H} | | |
| | -12854 Jan 06 j 23:52 | 0° \mathcal{A} | | morning set | -12852 Jun 07 j 20:35 | 5° \mathcal{H} 15'25 | | |
| greatest brilliancy | -12854 Jan 22 j 20:31 | 8° \mathcal{A} 39'23 | -4.7m | | -12852 Jun 27 j 09:29 | 0° \mathcal{Y} | | |
| retrograde | -12854 Feb 02 j 06:42 | 10° \mathcal{A} 35'03 | | | | | | |
| evening set | -12854 Feb 19 j 14:13 | 5° \mathcal{A} 04'30 | | superior conj | -12852 Jul 18 j 10:50 | 26° \mathcal{Y} 37'40 | 1°20'59 | |
| inferior conj | -12854 Feb 23 j 14:35 | 2° \mathcal{A} 40'42 | 7°39'08 | minimum elong | -12852 Jul 18 j 05:43 | 26° \mathcal{Y} 21'32 | 1°21'18 | |
| minimum elong | -12854 Feb 23 j 20:50 | 2° \mathcal{A} 31'10 | 7°37'45 | | -12852 Jul 21 j 02:58 | 0° \mathcal{B} | | |
| min. Earth dist. | -12854 Feb 24 j 21:25 | 1° \mathcal{A} 53'42 | 0.28761 AU | max. Earth dist. | -12852 Jul 24 j 08:38 | 4° \mathcal{B} 04'48 | 1.70896 AU | |
| morning rise | -12854 Feb 28 j 02:57 | 29° \mathbb{M} 58'06 | | | -12852 Aug 13 j 23:50 | 0° \mathbb{I} | | |
| | -12854 Feb 28 j 01:38 | 30° $\mathbb{R}\mathbb{M}$ | | evening rise | -12852 Aug 30 j 17:05 | 20° \mathbb{I} 51'59 | | |
| direct | -12854 Mar 17 j 11:30 | 24° \mathbb{M} 22'57 | | | -12852 Sep 07 j 01:31 | 0° \mathcal{E} | | |
| greatest brilliancy | -12854 Mar 28 j 23:17 | 26° \mathbb{M} 43'43 | -4.8m | desc. node | -12852 Sep 21 j 20:10 | 18° \mathcal{E} 17'07 | | |
| | -12854 Apr 04 j 19:22 | 0° \mathcal{A} | | | -12852 Oct 01 j 08:16 | 0° \mathcal{Q} | | |
| desc. node | -12854 Apr 07 j 10:59 | 1° \mathcal{A} 34'01 | | | -12852 Oct 25 j 19:44 | 0° \mathbb{M} | | |
| morning max el | -12854 May 06 j 13:04 | 25° \mathcal{A} 54'21 | 46°31'53 | | -12852 Nov 19 j 12:34 | 0° $\underline{\mathcal{A}}$ | | |
| | -12854 May 10 j 14:38 | 0° \mathcal{Z} | | | -12852 Dec 14 j 14:17 | 0° \mathbb{M} | | |
| | -12854 Jun 07 j 00:55 | 0° \approx | | | -12851 Jan 09 j 08:52 | 0° \mathcal{A} | | |
| | -12854 Jul 02 j 09:31 | 0° \mathcal{H} | | asc. node | -12851 Jan 10 j 22:01 | 1° \mathcal{A} 45'46 | | |
| | -12854 Jul 26 j 21:26 | 0° \mathcal{Y} | | | -12851 Feb 05 j 12:26 | 0° \mathcal{Z} | | |
| asc. node | -12854 Jul 27 j 07:43 | 0° \mathcal{Y} 31'47 | | evening max el | -12851 Feb 26 j 23:36 | 21° \mathcal{Z} 42'07 | 45°39'04 | |
| | -12854 Aug 20 j 01:26 | 0° \mathcal{B} | | | -12851 Mar 08 j 01:44 | 0° \approx | | |
| | -12854 Sep 13 j 04:52 | 0° \mathbb{I} | | greatest brilliancy | -12851 Apr 07 j 05:51 | 19° \approx 44'22 | -4.8m | |
| | -12854 Oct 07 j 11:38 | 0° \mathcal{E} | | retrograde | -12851 Apr 17 j 01:18 | 21° \approx 26'33 | | |
| | -12854 Oct 31 j 22:30 | 0° \mathcal{Q} | | evening set | -12851 May 01 j 10:31 | 17° \approx 34'02 | | |
| morning set | -12854 Nov 11 j 22:16 | 13° \mathcal{Q} 26'08 | | desc. node | -12851 May 04 j 21:55 | 15° \approx 40'54 | | |
| desc. node | -12854 Nov 17 j 20:16 | 20° \mathcal{Q} 39'51 | | inferior conj | -12851 May 07 j 20:50 | 13° \approx 57'39 | -0°43'23 | |
| | -12854 Nov 25 j 11:43 | 0° \mathbb{M} | | minimum elong | -12851 May 07 j 19:09 | 14° \approx 00'07 | 0°43'29 | |
| max. Earth dist. | -12854 Dec 18 j 06:10 | 27° \mathbb{M} 50'11 | 1.73854 AU | min. Earth dist. | -12851 May 08 j 04:23 | 13° \approx 46'32 | 0.26582 AU | |
| | -12854 Dec 20 j 00:34 | 0° $\underline{\mathcal{A}}$ | | morning rise | -12851 May 14 j 03:12 | 10° \approx 25'52 | | |
| | | | | direct | -12851 May 28 j 14:51 | 6° \approx 25'51 | | |
| superior conj | -12854 Dec 20 j 14:17 | 0° $\underline{\mathcal{A}}$ 42'01 | -1°03'36 | greatest brilliancy | -12851 Jun 08 j 22:00 | 8° \approx 47'29 | -4.9m | |
| minimum elong | -12854 Dec 20 j 06:09 | 0° $\underline{\mathcal{A}}$ 17'06 | 1°03'24 | | -12851 Jul 08 j 11:16 | 0° \mathcal{H} | | |
| | -12853 Jan 13 j 11:14 | 0° \mathbb{M} | | morning max el | -12851 Jul 18 j 05:03 | 9° \mathcal{H} 34'12 | 46°38'16 | |
| evening rise | -12853 Jan 25 j 05:32 | 14° \mathbb{M} 28'38 | | | -12851 Aug 06 j 05:04 | 0° \mathcal{Y} | | |
| greatest brilliancy | -12853 Jan 29 j 08:30 | 19° \mathbb{M} 33'24 | -3.9m | asc. node | -12851 Aug 23 j 21:11 | 20° \mathcal{Y} 15'47 | | |
| | -12853 Feb 06 j 19:54 | 0° \mathcal{A} | | | -12851 Sep 01 j 04:01 | 0° \mathcal{B} | | |
| | -12853 Mar 03 j 04:13 | 0° \mathcal{Z} | | | -12851 Sep 26 j 06:41 | 0° \mathbb{I} | | |
| asc. node | -12853 Mar 08 j 16:36 | 6° \mathcal{Z} 47'16 | | | -12851 Oct 21 j 04:15 | 0° \mathcal{E} | | |
| | -12853 Mar 27 j 14:11 | 0° \approx | | | -12851 Nov 15 j 01:59 | 0° \mathcal{Q} | | |
| | -12853 Apr 21 j 03:26 | 0° \mathcal{H} | | | -12851 Dec 09 j 23:44 | 0° \mathbb{M} | | |
| | -12853 May 15 j 22:02 | 0° \mathcal{Y} | | desc. node | -12851 Dec 15 j 10:29 | 6° \mathbb{M} 34'30 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12850 Jan 03 j 18:51 | 0°♄ | | retrograde | -12848 Jul 01 j 13:52 | 8°♄35'59 | |
| morning set | -12850 Jan 20 j 14:43 | 20°♄30'24 | | evening set | -12848 Jul 19 j 03:53 | 2°♄38'46 | |
| | -12850 Jan 28 j 08:47 | 0°♄ | | min. Earth dist. | -12848 Jul 21 j 11:48 | 1°♄13'32 | 0.26710 AU |
| max. Earth dist. | -12850 Feb 20 j 00:54 | 27°♄56'09 | 1.73067 AU | inferior conj | -12848 Jul 22 j 09:01 | 0°♄40'45 | -8°41'23 |
| | -12850 Feb 21 j 16:56 | 0°♄ | | minimum elong | -12848 Jul 22 j 06:54 | 0°♄44'01 | 8°40'53 |
| | | | | | -12848 Jul 23 j 11:26 | 30°♄ | |
| superior conj | -12850 Feb 24 j 19:24 | 3°♄50'33 | -1°12'36 | morning rise | -12848 Jul 25 j 10:03 | 28°♄49'17 | |
| minimum elong | -12850 Feb 25 j 01:12 | 4°♄08'30 | 1°13'14 | direct | -12848 Aug 11 j 11:38 | 23°♄05'56 | |
| | -12850 Mar 17 j 20:35 | 0°♄ | | greatest brilliancy | -12848 Aug 21 j 03:34 | 24°♄53'27 | -4.9m |
| evening rise | -12850 Mar 31 j 21:43 | 17°♄30'37 | | | -12848 Aug 31 j 08:23 | 0°♄ | |
| asc. node | -12850 Apr 05 j 04:38 | 22°♄51'42 | | asc. node | -12848 Sep 20 j 09:35 | 15°♄58'14 | |
| | -12850 Apr 10 j 21:52 | 0°♄ | | morning max el | -12848 Sep 30 j 11:51 | 25°♄43'11 | 46°19'07 |
| | -12850 May 04 j 22:40 | 0°♄ | | | -12848 Oct 04 j 16:58 | 0°♄ | |
| | -12850 May 29 j 00:38 | 0°♄ | | | -12848 Nov 01 j 10:54 | 0°♄ | |
| | -12850 Jun 22 j 05:40 | 0°♄ | | | -12848 Nov 27 j 19:39 | 0°♄ | |
| | -12850 Jul 16 j 16:47 | 0°♄ | | | -12848 Dec 23 j 15:07 | 0°♄ | |
| desc. node | -12850 Jul 28 j 00:33 | 13°♄43'11 | | desc. node | -12847 Jan 12 j 00:44 | 22°♄52'07 | |
| | -12850 Aug 10 j 14:44 | 0°♄ | | | -12847 Jan 18 j 00:46 | 0°♄ | |
| | -12850 Sep 05 j 09:05 | 0°♄ | | | -12847 Feb 12 j 00:08 | 0°♄ | |
| | -12850 Oct 03 j 03:35 | 0°♄ | | | -12847 Mar 08 j 13:13 | 0°♄ | |
| evening max el | -12850 Oct 04 j 08:15 | 1°♄11'59 | 45°54'11 | morning set | -12847 Mar 27 j 21:55 | 23°♄59'11 | |
| | -12850 Nov 10 j 06:11 | 0°♄ | | | -12847 Apr 01 j 17:42 | 0°♄ | |
| greatest brilliancy | -12850 Nov 11 j 09:03 | 0°♄28'00 | -4.7m | | -12847 Apr 25 j 16:16 | 0°♄ | |
| asc. node | -12850 Nov 16 j 05:02 | 2°♄02'08 | | max. Earth dist. | -12847 Apr 30 j 00:40 | 5°♄28'23 | 1.71362 AU |
| retrograde | -12850 Nov 22 j 16:54 | 2°♄50'55 | | | | | |
| | -12850 Dec 04 j 13:44 | 30°♄ | | superior conj | -12847 May 02 j 19:49 | 8°♄59'46 | 0°00'12 |
| evening set | -12850 Dec 08 j 10:43 | 27°♄57'38 | | minimum elong | -12847 May 02 j 19:55 | 9°♄00'03 | 0°00'26 |
| inferior conj | -12850 Dec 14 j 01:25 | 24°♄28'23 | 5°41'09 | behind sun begin | -12847 May 01 j 20:47 | 7°♄47'15 | |
| minimum elong | -12850 Dec 13 j 16:45 | 24°♄42'20 | 5°39'31 | behind sun end | -12847 May 03 j 19:02 | 10°♄12'52 | |
| min. Earth dist. | -12850 Dec 13 j 23:12 | 24°♄31'58 | 0.29429 AU | asc. node | -12847 May 02 j 17:40 | 8°♄52'59 | |
| morning rise | -12850 Dec 18 j 22:54 | 21°♄23'55 | | | -12847 May 19 j 11:45 | 0°♄ | |
| direct | -12849 Jan 04 j 21:17 | 15°♄55'52 | | evening rise | -12847 Jun 09 j 23:29 | 27°♄06'01 | |
| greatest brilliancy | -12849 Jan 14 j 06:41 | 17°♄30'57 | -4.7m | | -12847 Jun 12 j 06:42 | 0°♄ | |
| | -12849 Feb 04 j 21:12 | 0°♄ | | | -12847 Jul 06 j 03:25 | 0°♄ | |
| morning max el | -12849 Feb 22 j 19:02 | 15°♄33'22 | 46°08'56 | | -12847 Jul 30 j 03:56 | 0°♄ | |
| | -12849 Mar 09 j 07:04 | 0°♄ | | | -12847 Aug 23 j 10:01 | 0°♄ | |
| desc. node | -12849 Mar 10 j 01:25 | 0°♄47'38 | | desc. node | -12847 Aug 24 j 10:58 | 1°♄16'41 | |
| | -12849 Apr 05 j 17:25 | 0°♄ | | | -12847 Sep 16 j 23:26 | 0°♄ | |
| | -12849 May 01 j 07:45 | 0°♄ | | | -12847 Oct 11 j 23:31 | 0°♄ | |
| | -12849 May 25 j 22:34 | 0°♄ | | | -12847 Nov 06 j 18:54 | 0°♄ | |
| | -12849 Jun 19 j 00:17 | 0°♄ | | | -12847 Dec 04 j 10:18 | 0°♄ | |
| asc. node | -12849 Jun 28 j 19:37 | 12°♄19'59 | | asc. node | -12847 Dec 13 j 14:44 | 9°♄06'56 | |
| | -12849 Jul 12 j 19:48 | 0°♄ | | evening max el | -12847 Dec 13 j 23:10 | 9°♄27'10 | 44°48'19 |
| | -12849 Aug 05 j 14:18 | 0°♄ | | | -12846 Jan 07 j 20:01 | 0°♄ | |
| morning set | -12849 Aug 25 j 04:34 | 24°♄37'38 | | greatest brilliancy | -12846 Jan 20 j 10:02 | 6°♄27'55 | -4.7m |
| | -12849 Aug 29 j 11:32 | 0°♄ | | retrograde | -12846 Jan 30 j 22:40 | 8°♄25'22 | |
| | -12849 Sep 22 j 13:30 | 0°♄ | | evening set | -12846 Feb 17 j 07:17 | 2°♄51'46 | |
| | | | | inferior conj | -12846 Feb 21 j 06:12 | 0°♄29'35 | 7°45'19 |
| superior conj | -12849 Oct 06 j 15:34 | 17°♄25'53 | 0°30'10 | minimum elong | -12846 Feb 21 j 11:53 | 0°♄20'54 | 7°44'05 |
| minimum elong | -12849 Oct 06 j 23:10 | 17°♄49'21 | 0°30'39 | | -12846 Feb 22 j 01:33 | 30°♄ | |
| max. Earth dist. | -12849 Oct 11 j 17:54 | 23°♄43'11 | 1.72774 AU | min. Earth dist. | -12846 Feb 22 j 11:51 | 29°♄44'17 | 0.28831 AU |
| | -12849 Oct 16 j 20:12 | 0°♄ | | morning rise | -12846 Feb 25 j 16:04 | 27°♄50'25 | |
| desc. node | -12849 Oct 20 j 08:51 | 4°♄20'33 | | direct | -12846 Mar 15 j 04:14 | 22°♄10'39 | |
| | -12849 Nov 10 j 06:05 | 0°♄ | | greatest brilliancy | -12846 Mar 26 j 13:31 | 24°♄29'25 | -4.8m |
| evening rise | -12849 Nov 16 j 08:21 | 7°♄28'31 | | | -12846 Apr 06 j 03:42 | 0°♄ | |
| | -12849 Dec 04 j 17:31 | 0°♄ | | desc. node | -12846 Apr 06 j 13:21 | 0°♄15'31 | |
| | -12849 Dec 29 j 06:23 | 0°♄ | | morning max el | -12846 May 04 j 05:28 | 23°♄40'17 | 46°31'09 |
| | -12848 Jan 22 j 22:44 | 0°♄ | | | -12846 May 10 j 11:23 | 0°♄ | |
| asc. node | -12848 Feb 08 j 08:00 | 19°♄44'10 | | | -12846 Jun 06 j 16:35 | 0°♄ | |
| | -12848 Feb 16 j 22:03 | 0°♄ | | | -12846 Jul 01 j 23:13 | 0°♄ | |
| | -12848 Mar 13 j 08:32 | 0°♄ | | asc. node | -12846 Jul 26 j 09:46 | 29°♄58'52 | |
| | -12848 Apr 08 j 12:49 | 0°♄ | | | -12846 Jul 26 j 10:08 | 0°♄ | |
| | -12848 May 06 j 06:16 | 0°♄ | | | -12846 Aug 19 j 13:34 | 0°♄ | |
| evening max el | -12848 May 11 j 17:26 | 5°♄32'04 | 47°30'11 | | -12846 Sep 12 j 16:38 | 0°♄ | |
| desc. node | -12848 Jun 01 j 07:46 | 24°♄18'41 | | | -12846 Oct 06 j 23:06 | 0°♄ | |
| | -12848 Jun 09 j 00:13 | 0°♄ | | | -12846 Oct 31 j 09:44 | 0°♄ | |
| greatest brilliancy | -12848 Jun 22 j 05:05 | 6°♄55'17 | -4.9m | morning set | -12846 Nov 09 j 12:11 | 11°♄07'51 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| desc. node | -12846 Nov 16 j 22:23 | 20°Ω12'21 | | inferior conj | -12843 May 05 j 08:48 | 11°≈32'27 | -0°20'01 |
| | -12846 Nov 24 j 22:47 | 0°♊ | | minimum elong | -12843 May 05 j 08:00 | 11°≈33'37 | 0°20'24 |
| max. Earth dist. | -12846 Dec 16 j 05:19 | 26°♊00'32 | 1.73852 AU | min. Earth dist. | -12843 May 05 j 18:31 | 11°≈18'08 | 0.26630 AU |
| | | | | morning rise | -12843 May 11 j 16:25 | 7°≈58'33 | |
| superior conj | -12846 Dec 18 j 07:50 | 28°♊35'12 | -1°01'43 | direct | -12843 May 26 j 03:20 | 3°≈59'28 | |
| minimum elong | -12846 Dec 17 j 23:31 | 28°♊09'45 | 1°01'26 | greatest brilliancy | -12843 Jun 06 j 12:38 | 6°≈22'23 | -4.9m |
| | -12846 Dec 19 j 11:31 | 0°♊ | | | -12843 Jul 08 j 14:26 | 0°♋ | |
| | -12845 Jan 12 j 22:11 | 0°♊ | | morning max el | -12843 Jul 15 j 16:37 | 7°♋02'29 | 46°38'30 |
| evening rise | -12845 Jan 23 j 01:25 | 12°♊28'22 | | | -12843 Aug 05 j 22:45 | 0°♌ | |
| greatest brilliancy | -12845 Jan 28 j 04:16 | 18°♊46'34 | -3.9m | asc. node | -12843 Aug 22 j 23:28 | 19°♌37'28 | |
| | -12845 Feb 06 j 06:56 | 0°♋ | | | -12843 Aug 31 j 18:39 | 0°♍ | |
| | -12845 Mar 02 j 15:31 | 0°♋ | | | -12843 Sep 25 j 19:50 | 0°♎ | |
| asc. node | -12845 Mar 07 j 18:57 | 6°♋19'27 | | | -12843 Oct 20 j 16:32 | 0°♏ | |
| | -12845 Mar 27 j 01:57 | 0°≈ | | | -12843 Nov 14 j 13:40 | 0°♐ | |
| | -12845 Apr 20 j 15:52 | 0°♋ | | desc. node | -12843 Dec 09 j 11:00 | 0°♊ | |
| | -12845 May 15 j 11:24 | 0°♌ | | | -12843 Dec 14 j 12:34 | 6°♊07'02 | |
| | -12845 Jun 09 j 17:30 | 0°♍ | | | -12842 Jan 03 j 05:48 | 0°♋ | |
| desc. node | -12845 Jun 29 j 17:09 | 23°♍01'00 | | morning set | -12842 Jan 18 j 09:25 | 18°♋27'47 | |
| | -12845 Jul 05 j 23:12 | 0°♎ | | | -12842 Jan 27 j 19:35 | 0°♌ | |
| evening max el | -12845 Jul 23 j 11:37 | 18°♎43'19 | 47°41'23 | max. Earth dist. | -12842 Feb 17 j 20:09 | 25°♌53'58 | 1.73121 AU |
| | -12845 Aug 04 j 00:13 | 0°♏ | | | -12842 Feb 21 j 03:42 | 0°♍ | |
| greatest brilliancy | -12845 Sep 02 j 13:50 | 20°♏53'20 | -4.9m | | | | |
| retrograde | -12845 Sep 12 j 18:25 | 22°♏54'13 | | superior conj | -12842 Feb 22 j 15:32 | 1°♍50'56 | -1°13'45 |
| evening set | -12845 Sep 28 j 05:48 | 17°♏57'30 | | minimum elong | -12842 Feb 22 j 20:58 | 2°♍07'46 | 1°14'25 |
| min. Earth dist. | -12845 Oct 03 j 05:53 | 14°♏49'12 | 0.28052 AU | | -12842 Mar 17 j 07:27 | 0°♎ | |
| inferior conj | -12845 Oct 03 j 16:57 | 14°♏31'17 | -3°29'34 | evening rise | -12842 Mar 29 j 16:39 | 15°♎25'51 | |
| minimum elong | -12845 Oct 03 j 23:36 | 14°♏20'31 | 3°26'56 | asc. node | -12842 Apr 04 j 06:56 | 22°♎24'35 | |
| morning rise | -12845 Oct 09 j 18:14 | 10°♏46'57 | | | -12842 Apr 10 j 08:55 | 0°≈ | |
| asc. node | -12845 Oct 18 j 20:52 | 7°♏01'24 | | | -12842 May 04 j 10:00 | 0°♋ | |
| direct | -12845 Oct 24 j 12:17 | 6°♏21'32 | | | -12842 May 28 j 12:16 | 0°♌ | |
| greatest brilliancy | -12845 Nov 02 j 14:54 | 7°♏56'24 | -4.8m | | -12842 Jun 21 j 17:44 | 0°♍ | |
| | -12845 Dec 05 j 03:37 | 0°♐ | | | -12842 Jul 16 j 05:27 | 0°♎ | |
| morning max el | -12845 Dec 12 j 12:53 | 6°♐52'21 | 46°02'15 | desc. node | -12842 Jul 27 j 02:49 | 13°♎10'46 | |
| | -12844 Jan 04 j 07:55 | 0°♊ | | | -12842 Aug 10 j 04:23 | 0°♏ | |
| | -12844 Jan 31 j 15:56 | 0°♋ | | | -12842 Sep 05 j 00:42 | 0°♐ | |
| desc. node | -12844 Feb 09 j 14:39 | 10°♋10'37 | | evening max el | -12842 Oct 01 j 22:57 | 28°♐55'34 | 45°57'58 |
| | -12844 Feb 26 j 16:38 | 0°♌ | | | -12842 Oct 03 j 00:47 | 0°♊ | |
| | -12844 Mar 22 j 20:05 | 0°♍ | | greatest brilliancy | -12842 Nov 09 j 03:20 | 28°♊22'06 | -4.7m |
| | -12844 Apr 16 j 07:55 | 0°♎ | | | -12842 Nov 14 j 05:13 | 0°♋ | |
| | -12844 May 10 j 09:04 | 0°≈ | | asc. node | -12842 Nov 15 j 07:18 | 0°♌14'10 | |
| greatest brilliancy | -12844 May 28 j 13:33 | 22°≈54'55 | -3.9m | retrograde | -12842 Nov 20 j 10:34 | 0°♍45'11 | |
| asc. node | -12844 May 30 j 07:23 | 25°≈07'06 | | | -12842 Nov 26 j 11:59 | 30°♍♊ | |
| | -12844 Jun 03 j 04:02 | 0°♋ | | evening set | -12842 Dec 06 j 02:26 | 25°♊54'08 | |
| morning set | -12844 Jun 05 j 09:45 | 2°♋49'55 | | inferior conj | -12842 Dec 11 j 19:06 | 22°♊22'10 | 5°28'07 |
| | -12844 Jun 26 j 20:41 | 0°♌ | | minimum elong | -12842 Dec 11 j 10:29 | 22°♊36'02 | 5°26'26 |
| | | | | min. Earth dist. | -12842 Dec 11 j 16:20 | 22°♊26'38 | 0.29403 AU |
| superior conj | -12844 Jul 15 j 20:14 | 24°♌00'28 | 1°20'02 | morning rise | -12842 Dec 16 j 18:38 | 19°♊14'33 | |
| minimum elong | -12844 Jul 15 j 14:12 | 23°♌41'27 | 1°20'18 | direct | -12841 Jan 02 j 13:43 | 13°♊49'47 | |
| | -12844 Jul 20 j 14:12 | 0°♍ | | greatest brilliancy | -12841 Jan 11 j 23:18 | 15°♊24'54 | -4.7m |
| max. Earth dist. | -12844 Jul 21 j 11:42 | 1°♍07'47 | 1.70857 AU | | -12841 Feb 05 j 06:04 | 0°♋ | |
| | -12844 Aug 13 j 11:04 | 0°♎ | | morning max el | -12841 Feb 20 j 11:01 | 13°♋24'40 | 46°08'21 |
| evening rise | -12844 Aug 28 j 00:07 | 18°♎09'29 | | desc. node | -12841 Mar 09 j 03:46 | 0°♌07'41 | |
| | -12844 Sep 06 j 12:45 | 0°♏ | | | -12841 Mar 09 j 00:49 | 0°♍ | |
| desc. node | -12844 Sep 20 j 22:31 | 17°♏49'38 | | | -12841 Apr 05 j 07:39 | 0°♍ | |
| | -12844 Sep 30 j 19:33 | 0°♐ | | | -12841 Apr 30 j 20:32 | 0°♎ | |
| | -12844 Oct 25 j 07:09 | 0°♊ | | | -12841 May 25 j 10:38 | 0°≈ | |
| | -12844 Nov 19 j 00:20 | 0°♋ | | | -12841 Jun 18 j 11:58 | 0°♌ | |
| | -12844 Dec 14 j 02:49 | 0°♌ | | asc. node | -12841 Jun 27 j 21:45 | 11°♌50'12 | |
| | -12843 Jan 08 j 22:59 | 0°♍ | | | -12841 Jul 12 j 07:15 | 0°♎ | |
| asc. node | -12843 Jan 10 j 00:13 | 1°♍11'34 | | | -12841 Aug 05 j 01:37 | 0°♍ | |
| | -12843 Feb 05 j 06:14 | 0°♎ | | morning set | -12841 Aug 22 j 13:25 | 21°♍59'38 | |
| evening max el | -12843 Feb 24 j 12:35 | 19°♎21'49 | 45°35'31 | | -12841 Aug 28 j 22:46 | 0°♎ | |
| | -12843 Mar 08 j 08:17 | 0°≈ | | | -12841 Sep 22 j 00:40 | 0°♏ | |
| greatest brilliancy | -12843 Apr 04 j 18:15 | 17°≈20'07 | -4.8m | | | | |
| retrograde | -12843 Apr 14 j 12:16 | 19°≈01'07 | | superior conj | -12841 Oct 04 j 01:42 | 14°♏54'40 | 0°33'38 |
| evening set | -12843 Apr 28 j 22:52 | 15°≈08'12 | | minimum elong | -12841 Oct 04 j 10:05 | 15°♏20'33 | 0°34'06 |
| desc. node | -12843 May 04 j 00:05 | 12°≈20'31 | | max. Earth dist. | -12841 Oct 09 j 07:56 | 21°♏24'18 | 1.72707 AU |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12841 Oct 16 j 07:17 | 0°♌ | | morning rise | -12838 Feb 23 j 05:20 | 25°♌43'05 | |
| desc. node | -12841 Oct 19 j 10:58 | 3°♌53'01 | | direct | -12838 Mar 12 j 20:58 | 19°♌59'12 | |
| | -12841 Nov 09 j 17:06 | 0°♍ | | greatest brilliancy | -12838 Mar 24 j 03:14 | 22°♌15'08 | -4.8m |
| evening rise | -12841 Nov 13 j 23:22 | 5°♍13'33 | | desc. node | -12838 Apr 05 j 15:26 | 28°♌59'23 | |
| | -12841 Dec 04 j 04:33 | 0°♎ | | | -12838 Apr 07 j 02:46 | 0°♌ | |
| | -12841 Dec 28 j 17:37 | 0°♍ | | morning max el | -12838 May 01 j 21:14 | 21°♌25'17 | 46°30'23 |
| | -12840 Jan 22 j 10:24 | 0°♌ | | | -12838 May 10 j 07:20 | 0°♌ | |
| asc. node | -12840 Feb 07 j 10:25 | 19°♌15'08 | | | -12838 Jun 06 j 07:56 | 0°♍ | |
| | -12840 Feb 16 j 10:31 | 0°♌ | | asc. node | -12838 Jul 01 j 12:47 | 0°♌ | |
| | -12840 Mar 12 j 22:22 | 0°♍ | | | -12838 Jul 25 j 12:04 | 29°♌26'43 | |
| | -12840 Apr 08 j 05:10 | 0°♌ | | | -12838 Jul 25 j 22:49 | 0°♍ | |
| | -12840 May 06 j 04:32 | 0°♍ | | | -12838 Aug 19 j 01:44 | 0°♌ | |
| evening max el | -12840 May 09 j 06:27 | 3°♍05'32 | 47°27'09 | | -12838 Sep 12 j 04:26 | 0°♎ | |
| desc. node | -12840 May 31 j 10:01 | 23°♍03'42 | | | -12838 Oct 06 j 10:37 | 0°♎ | |
| | -12840 Jun 10 j 11:17 | 0°♌ | | | -12838 Oct 30 j 21:00 | 0°♌ | |
| greatest brilliancy | -12840 Jun 19 j 17:14 | 4°♌24'17 | -4.9m | morning set | -12838 Nov 07 j 01:43 | 8°♌48'15 | |
| retrograde | -12840 Jun 29 j 02:39 | 6°♌05'42 | | desc. node | -12838 Nov 16 j 00:29 | 19°♌44'39 | |
| evening set | -12840 Jul 16 j 14:04 | 0°♌12'30 | | | -12838 Nov 24 j 09:53 | 0°♍ | |
| | -12840 Jul 16 j 22:27 | 30°♌ | | max. Earth dist. | -12838 Dec 14 j 04:40 | 24°♍11'24 | 1.73847 AU |
| min. Earth dist. | -12840 Jul 18 j 23:58 | 28°♍44'43 | 0.26673 AU | | | | |
| inferior conj | -12840 Jul 19 j 21:33 | 28°♍11'31 | -8°38'20 | superior conj | -12838 Dec 16 j 01:04 | 26°♍27'20 | -0°59'42 |
| minimum elong | -12840 Jul 19 j 18:32 | 28°♍16'09 | 8°37'48 | minimum elong | -12838 Dec 15 j 16:37 | 26°♍01'26 | 0°59'22 |
| morning rise | -12840 Jul 22 j 23:08 | 26°♍19'46 | | | -12838 Dec 18 j 22:31 | 0°♎ | |
| direct | -12840 Aug 09 j 00:00 | 20°♍37'31 | | | -12837 Jan 12 j 09:11 | 0°♌ | |
| greatest brilliancy | -12840 Aug 18 j 16:49 | 22°♍26'07 | -4.9m | evening rise | -12837 Jan 20 j 21:13 | 10°♌27'39 | |
| | -12840 Sep 01 j 13:43 | 0°♌ | | greatest brilliancy | -12837 Jan 27 j 03:14 | 18°♌09'21 | -3.9m |
| asc. node | -12840 Sep 19 j 11:55 | 14°♌59'04 | | | -12837 Feb 05 j 18:04 | 0°♌ | |
| morning max el | -12840 Sep 28 j 01:51 | 23°♌20'08 | 46°19'58 | | -12837 Mar 02 j 02:55 | 0°♌ | |
| | -12840 Oct 04 j 14:06 | 0°♎ | | asc. node | -12837 Mar 06 j 21:19 | 5°♌51'27 | |
| | -12840 Nov 01 j 02:43 | 0°♎ | | | -12837 Mar 26 j 13:47 | 0°♍ | |
| | -12840 Nov 27 j 09:16 | 0°♌ | | | -12837 Apr 20 j 04:22 | 0°♌ | |
| | -12840 Dec 23 j 03:32 | 0°♍ | | | -12837 May 15 j 00:50 | 0°♍ | |
| desc. node | -12839 Jan 11 j 02:53 | 22°♍23'22 | | | -12837 Jun 09 j 08:27 | 0°♌ | |
| | -12839 Jan 17 j 12:27 | 0°♎ | | desc. node | -12837 Jun 28 j 19:26 | 22°♌19'36 | |
| | -12839 Feb 11 j 11:23 | 0°♌ | | | -12837 Jul 05 j 17:15 | 0°♎ | |
| | -12839 Mar 08 j 00:14 | 0°♌ | | evening max el | -12837 Jul 21 j 04:09 | 16°♎26'24 | 47°43'26 |
| morning set | -12839 Mar 25 j 17:09 | 21°♌55'40 | | | -12837 Aug 04 j 04:35 | 0°♎ | |
| | -12839 Apr 01 j 04:37 | 0°♌ | | greatest brilliancy | -12837 Aug 31 j 07:20 | 18°♎36'38 | -4.9m |
| | -12839 Apr 25 j 03:13 | 0°♍ | | retrograde | -12837 Sep 10 j 10:40 | 20°♎35'55 | |
| max. Earth dist. | -12839 Apr 27 j 14:37 | 3°♍06'43 | 1.71418 AU | evening set | -12837 Sep 26 j 00:00 | 15°♎36'43 | |
| | | | | inferior conj | -12837 Oct 01 j 08:52 | 12°♎13'38 | -3°48'27 |
| superior conj | -12839 Apr 30 j 12:30 | 6°♍46'32 | -0°03'04 | minimum elong | -12837 Oct 01 j 16:00 | 12°♎02'05 | 3°45'42 |
| minimum elong | -12839 Apr 30 j 13:15 | 6°♍48'56 | 0°03'42 | min. Earth dist. | -12837 Sep 30 j 21:35 | 12°♎31'55 | 0.27999 AU |
| behind sun begin | -12839 Apr 29 j 14:38 | 5°♍37'44 | | morning rise | -12837 Oct 07 j 08:50 | 8°♎31'11 | |
| behind sun end | -12839 May 01 j 11:53 | 8°♍00'07 | | asc. node | -12837 Oct 17 j 23:05 | 4°♎27'11 | |
| asc. node | -12839 May 01 j 19:47 | 8°♍25'02 | | direct | -12837 Oct 22 j 03:44 | 4°♎05'19 | |
| | -12839 May 18 j 22:50 | 0°♌ | | greatest brilliancy | -12837 Oct 31 j 05:57 | 5°♎39'53 | -4.8m |
| evening rise | -12839 Jun 07 j 12:20 | 24°♌39'50 | | | -12837 Dec 05 j 05:30 | 0°♌ | |
| | -12839 Jun 11 j 17:59 | 0°♍ | | morning max el | -12837 Dec 10 j 04:04 | 4°♌38'57 | 46°02'22 |
| | -12839 Jul 05 j 14:52 | 0°♌ | | | -12836 Jan 04 j 00:49 | 0°♍ | |
| | -12839 Jul 29 j 15:33 | 0°♎ | | | -12836 Jan 31 j 05:56 | 0°♎ | |
| | -12839 Aug 22 j 21:52 | 0°♎ | | desc. node | -12836 Feb 08 j 16:56 | 9°♎38'39 | |
| desc. node | -12839 Aug 23 j 13:20 | 0°♎47'30 | | | -12836 Feb 26 j 05:17 | 0°♌ | |
| | -12839 Sep 16 j 11:42 | 0°♌ | | | -12836 Mar 22 j 08:00 | 0°♌ | |
| | -12839 Oct 11 j 12:34 | 0°♍ | | | -12836 Apr 15 j 19:27 | 0°♌ | |
| | -12839 Nov 06 j 09:42 | 0°♎ | | | -12836 May 09 j 20:25 | 0°♍ | |
| | -12839 Dec 04 j 05:49 | 0°♌ | | greatest brilliancy | -12836 May 27 j 15:49 | 22°♍26'21 | -3.9m |
| evening max el | -12839 Dec 11 j 15:30 | 7°♌17'42 | 44°48'51 | asc. node | -12836 May 29 j 09:35 | 24°♍38'19 | |
| asc. node | -12839 Dec 12 j 17:01 | 8°♌18'34 | | morning set | -12836 Jun 02 j 23:32 | 0°♌25'57 | |
| | -12838 Jan 08 j 23:32 | 0°♌ | | | -12836 Jun 02 j 15:20 | 0°♌ | |
| greatest brilliancy | -12838 Jan 18 j 00:21 | 4°♌17'40 | -4.7m | | -12836 Jun 26 j 07:59 | 0°♍ | |
| retrograde | -12838 Jan 28 j 14:23 | 6°♌16'01 | | | | | |
| evening set | -12838 Feb 15 j 00:16 | 0°♌40'02 | | superior conj | -12836 Jul 13 j 06:11 | 21°♍24'39 | 1°18'55 |
| | -12838 Feb 16 j 03:28 | 30°♌ | | minimum elong | -12836 Jul 12 j 23:20 | 21°♍03'01 | 1°19'08 |
| inferior conj | -12838 Feb 18 j 21:55 | 28°♌19'08 | 7°50'50 | max. Earth dist. | -12836 Jul 18 j 12:41 | 28°♍03'49 | 1.70823 AU |
| minimum elong | -12838 Feb 19 j 02:59 | 28°♌11'22 | 7°49'44 | | -12836 Jul 20 j 01:31 | 0°♌ | |
| min. Earth dist. | -12838 Feb 20 j 02:25 | 27°♌35'27 | 0.28893 AU | | -12836 Aug 12 j 22:27 | 0°♎ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------------------|------------|---------------------|-----------------------|----------------------------------|------------|
| evening rise | -12836 Aug 25 j 07:08 | 15° Π 26'15 | | morning max el | -12833 Feb 18 j 03:59 | 11° $\underline{\text{A}}$ 17'22 | 46°07'46 |
| | -12836 Sep 06 j 00:12 | 0° E | | desc. node | -12833 Mar 08 j 05:50 | 29° $\underline{\text{A}}$ 26'24 | |
| desc. node | -12836 Sep 20 j 00:38 | 17° E 20'40 | | | -12833 Mar 08 j 18:36 | 0° \mathbb{M} | |
| | -12836 Sep 30 j 07:05 | 0° Ω | | | -12833 Apr 04 j 22:05 | 0° X | |
| | -12836 Oct 24 j 18:52 | 0° \mathbb{M} | | | -12833 Apr 30 j 09:35 | 0° Z | |
| | -12836 Nov 18 j 12:26 | 0° $\underline{\text{A}}$ | | | -12833 May 24 j 22:59 | 0° \approx | |
| | -12836 Dec 13 j 15:42 | 0° \mathbb{M} | | | -12833 Jun 17 j 23:56 | 0° X | |
| | -12835 Jan 08 j 13:35 | 0° X | | asc. node | -12833 Jun 26 j 23:58 | 11° X 19'46 | |
| asc. node | -12835 Jan 09 j 02:40 | 0° X 36'59 | | | -12833 Jul 11 j 19:00 | 0° Y | |
| | -12835 Feb 05 j 00:49 | 0° Z | | | -12833 Aug 04 j 13:13 | 0° B | |
| evening max el | -12835 Feb 22 j 00:53 | 16° Z 59'06 | 45°32'04 | morning set | -12833 Aug 19 j 22:38 | 19° B 21'48 | |
| | -12835 Mar 08 j 17:44 | 0° \approx | | | -12833 Aug 28 j 10:15 | 0° Π | |
| greatest brilliancy | -12835 Apr 02 j 06:36 | 14° \approx 55'03 | -4.8m | | -12833 Sep 21 j 12:03 | 0° E | |
| retrograde | -12835 Apr 11 j 23:18 | 16° \approx 35'19 | | | | | |
| evening set | -12835 Apr 26 j 11:23 | 12° \approx 41'17 | | superior conj | -12833 Oct 01 j 12:04 | 12° E 23'22 | 0°37'02 |
| inferior conj | -12835 May 02 j 20:45 | 9° \approx 06'39 | 0°03'25 | minimum elong | -12833 Oct 01 j 21:09 | 12° E 51'27 | 0°37'28 |
| minimum elong | -12835 May 02 j 20:51 | 9° \approx 06'30 | 0°02'44 | max. Earth dist. | -12833 Oct 06 j 22:21 | 19° E 05'46 | 1.72639 AU |
| transit middle | -12835 May 02 j 20:51 | 9° \approx 06'30 | 0°02'44 | | -12833 Oct 15 j 18:34 | 0° Ω | |
| transit begin | -12835 May 02 j 16:46 | 9° \approx 12'31 | | desc. node | -12833 Oct 18 j 13:07 | 3° Ω 24'53 | |
| transit end | -12835 May 03 j 00:56 | 9° \approx 00'29 | | | -12833 Nov 09 j 04:21 | 0° \mathbb{M} | |
| desc. node | -12835 May 03 j 02:20 | 8° \approx 58'25 | | evening rise | -12833 Nov 11 j 14:32 | 2° \mathbb{M} 58'25 | |
| min. Earth dist. | -12835 May 03 j 08:47 | 8° \approx 48'56 | 0.26679 AU | | -12833 Dec 03 j 15:52 | 0° $\underline{\text{A}}$ | |
| morning rise | -12835 May 09 j 05:26 | 5° \approx 31'03 | | | -12833 Dec 28 j 05:09 | 0° \mathbb{M} | |
| direct | -12835 May 23 j 15:35 | 1° \approx 32'12 | | | -12832 Jan 21 j 22:25 | 0° X | |
| greatest brilliancy | -12835 Jun 04 j 03:37 | 3° \approx 57'10 | -4.9m | asc. node | -12832 Feb 06 j 12:45 | 18° X 44'48 | |
| | -12835 Jul 08 j 16:23 | 0° X | | | -12832 Feb 15 j 23:23 | 0° Z | |
| morning max el | -12835 Jul 13 j 04:45 | 4° X 31'42 | 46°39'00 | | -12832 Mar 12 j 12:40 | 0° \approx | |
| | -12835 Aug 05 j 16:14 | 0° Y | | | -12832 Apr 07 j 22:09 | 0° X | |
| asc. node | -12835 Aug 22 j 01:46 | 18° Y 58'59 | | | -12832 May 06 j 04:03 | 0° Y | |
| | -12835 Aug 31 j 09:17 | 0° B | | evening max el | -12832 May 06 j 20:16 | 0° Y 40'20 | 47°24'00 |
| | -12835 Sep 25 j 09:07 | 0° Π | | desc. node | -12832 May 30 j 12:22 | 21° Y 45'33 | |
| | -12835 Oct 20 j 05:01 | 0° E | | | -12832 Jun 12 j 16:39 | 0° B | |
| | -12835 Nov 14 j 01:38 | 0° Ω | | greatest brilliancy | -12832 Jun 17 j 04:49 | 1° B 51'38 | -4.9m |
| | -12835 Dec 08 j 22:34 | 0° \mathbb{M} | | retrograde | -12832 Jun 26 j 15:51 | 3° B 34'03 | |
| desc. node | -12835 Dec 13 j 14:46 | 5° \mathbb{M} 38'56 | | | -12832 Jul 09 j 22:47 | 30° R Y | |
| | -12834 Jan 02 j 17:05 | 0° $\underline{\text{A}}$ | | evening set | -12832 Jul 13 j 23:45 | 27° Y 45'29 | |
| morning set | -12834 Jan 16 j 03:46 | 16° $\underline{\text{A}}$ 23'05 | | min. Earth dist. | -12832 Jul 16 j 11:51 | 26° Y 14'42 | 0.26635 AU |
| | -12834 Jan 27 j 06:41 | 0° \mathbb{M} | | inferior conj | -12832 Jul 17 j 09:55 | 25° Y 40'54 | -8°34'14 |
| max. Earth dist. | -12834 Feb 15 j 17:12 | 23° \mathbb{M} 56'27 | 1.73174 AU | minimum elong | -12832 Jul 17 j 06:03 | 25° Y 46'50 | 8°33'39 |
| | | | | morning rise | -12832 Jul 20 j 12:30 | 23° Y 48'09 | |
| superior conj | -12834 Feb 20 j 11:30 | 29° \mathbb{M} 49'53 | -1°14'51 | direct | -12832 Aug 06 j 12:42 | 18° Y 07'54 | |
| minimum elong | -12834 Feb 20 j 16:32 | 0° X 05'30 | 1°15'29 | greatest brilliancy | -12832 Aug 16 j 05:30 | 19° Y 56'53 | -4.9m |
| | -12834 Feb 20 j 14:46 | 0° X | | | -12832 Sep 02 j 11:30 | 0° B | |
| | -12834 Mar 16 j 18:37 | 0° Z | | asc. node | -12832 Sep 18 j 14:00 | 13° B 59'48 | |
| evening rise | -12834 Mar 27 j 11:38 | 13° Z 20'20 | | morning max el | -12832 Sep 25 j 16:16 | 20° B 57'19 | 46°20'57 |
| asc. node | -12834 Apr 03 j 09:05 | 21° Z 55'57 | | | -12832 Oct 04 j 10:48 | 0° Π | |
| | -12834 Apr 09 j 20:19 | 0° \approx | | | -12832 Oct 31 j 18:29 | 0° E | |
| | -12834 May 03 j 21:40 | 0° X | | | -12832 Nov 26 j 22:55 | 0° Ω | |
| | -12834 May 28 j 00:16 | 0° Y | | | -12832 Dec 22 j 16:03 | 0° \mathbb{M} | |
| | -12834 Jun 21 j 06:08 | 0° B | | desc. node | -12831 Jan 10 j 05:04 | 21° \mathbb{M} 54'13 | |
| | -12834 Jul 15 j 18:26 | 0° Π | | | -12831 Jan 17 j 00:18 | 0° $\underline{\text{A}}$ | |
| desc. node | -12834 Jul 26 j 05:14 | 12° Π 38'01 | | | -12831 Feb 10 j 22:50 | 0° \mathbb{M} | |
| | -12834 Aug 09 j 18:21 | 0° E | | | -12831 Mar 07 j 11:29 | 0° X | |
| | -12834 Sep 04 j 16:44 | 0° Ω | | morning set | -12831 Mar 23 j 12:23 | 19° X 51'30 | |
| evening max el | -12834 Sep 29 j 14:18 | 26° Ω 40'10 | 46°01'42 | | -12831 Mar 31 j 15:48 | 0° Z | |
| | -12834 Oct 02 j 23:02 | 0° \mathbb{M} | | | -12831 Apr 24 j 14:25 | 0° \approx | |
| greatest brilliancy | -12834 Nov 06 j 21:06 | 26° \mathbb{M} 14'39 | -4.8m | max. Earth dist. | -12831 Apr 25 j 02:39 | 0° \approx 38'25 | 1.71473 AU |
| asc. node | -12834 Nov 14 j 09:38 | 28° \mathbb{M} 21'22 | | | | | |
| retrograde | -12834 Nov 18 j 04:41 | 28° \mathbb{M} 38'32 | | superior conj | -12831 Apr 28 j 05:16 | 4° \approx 32'59 | -0°06'17 |
| evening set | -12834 Dec 03 j 18:18 | 23° \mathbb{M} 49'26 | | minimum elong | -12831 Apr 28 j 06:41 | 4° \approx 37'26 | 0°06'55 |
| inferior conj | -12834 Dec 09 j 12:49 | 20° \mathbb{M} 14'51 | 5°14'30 | behind sun begin | -12831 Apr 27 j 09:41 | 3° \approx 31'26 | |
| minimum elong | -12834 Dec 09 j 04:18 | 20° \mathbb{M} 28'31 | 5°12'48 | behind sun end | -12831 Apr 29 j 03:40 | 5° \approx 43'27 | |
| min. Earth dist. | -12834 Dec 09 j 09:20 | 20° \mathbb{M} 20'27 | 0.29379 AU | asc. node | -12831 Apr 30 j 22:01 | 7° \approx 56'41 | |
| morning rise | -12834 Dec 14 j 14:26 | 17° \mathbb{M} 04'12 | | | -12831 May 18 j 10:09 | 0° X | |
| direct | -12834 Dec 31 j 06:27 | 11° \mathbb{M} 42'35 | | evening rise | -12831 Jun 05 j 01:19 | 22° X 13'25 | |
| greatest brilliancy | -12833 Jan 09 j 15:48 | 13° \mathbb{M} 17'42 | -4.7m | | -12831 Jun 11 j 05:28 | 0° Y | |
| | -12833 Feb 05 j 12:59 | 0° $\underline{\text{A}}$ | | | -12831 Jul 05 j 02:33 | 0° B | |

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|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|--|
| | -12831 Jul 29 j 03:26 | 0°♐ | | | -12828 Jan 30 j 19:43 | 0°♎ | | |
| | -12831 Aug 22 j 09:59 | 0°♑ | | | -12828 Feb 07 j 18:58 | 9°♎06'24 | | |
| desc. node | -12831 Aug 22 j 15:28 | 0°♑16'50 | | | -12828 Feb 25 j 17:44 | 0°♍ | | |
| | -12831 Sep 16 j 00:12 | 0°♒ | | | -12828 Mar 21 j 19:47 | 0°♏ | | |
| | -12831 Oct 11 j 01:52 | 0°♓ | | | -12828 Apr 15 j 06:53 | 0°♐ | | |
| | -12831 Nov 06 j 00:46 | 0°♑ | | | -12828 May 09 j 07:44 | 0°♑ | | |
| | -12831 Dec 04 j 01:59 | 0°♒ | | greatest brilliancy | -12828 May 26 j 19:20 | 22°♑01'46 | -3.9m | |
| evening max el | -12831 Dec 09 j 07:36 | 5°♒07'32 | 44°49'26 | | -12828 May 28 j 11:51 | 24°♑09'47 | | |
| asc. node | -12831 Dec 11 j 19:25 | 7°♒29'31 | | morning set | -12828 May 31 j 13:19 | 28°♑02'01 | | |
| | -12830 Jan 10 j 15:07 | 0°♏ | | | -12828 Jun 02 j 02:37 | 0°♏ | | |
| greatest brilliancy | -12830 Jan 15 j 15:20 | 2°♏08'20 | -4.7m | | -12828 Jun 25 j 19:18 | 0°♐ | | |
| retrograde | -12830 Jan 26 j 05:43 | 4°♏07'07 | | | | | | |
| | -12830 Feb 10 j 00:04 | 30°♍ | | superior conj | -12828 Jul 10 j 15:57 | 18°♐48'08 | 1°17'38 | |
| evening set | -12830 Feb 12 j 17:20 | 28°♒29'03 | | minimum elong | -12828 Jul 10 j 08:19 | 18°♐24'02 | 1°17'46 | |
| inferior conj | -12830 Feb 16 j 13:56 | 26°♒09'12 | 7°55'39 | max. Earth dist. | -12828 Jul 15 j 10:26 | 24°♐49'33 | 1.70794 AU | |
| minimum elong | -12830 Feb 16 j 18:21 | 26°♒02'24 | 7°54'39 | | -12828 Jul 19 j 12:52 | 0°♏ | | |
| min. Earth dist. | -12830 Feb 17 j 17:34 | 25°♒26'41 | 0.28957 AU | | -12828 Aug 12 j 09:49 | 0°♐ | | |
| morning rise | -12830 Feb 20 j 19:02 | 23°♒35'56 | | evening rise | -12828 Aug 22 j 13:50 | 12°♐42'03 | | |
| direct | -12830 Mar 10 j 13:42 | 17°♒48'12 | | | -12828 Sep 05 j 11:37 | 0°♑ | | |
| greatest brilliancy | -12830 Mar 21 j 17:38 | 20°♒01'34 | -4.8m | desc. node | -12828 Sep 19 j 02:51 | 16°♑52'12 | | |
| desc. node | -12830 Apr 04 j 17:39 | 27°♒45'25 | | | -12828 Sep 29 j 18:36 | 0°♒ | | |
| | -12830 Apr 07 j 20:06 | 0°♏ | | | -12828 Oct 24 j 06:33 | 0°♓ | | |
| morning max el | -12830 Apr 29 j 12:22 | 19°♏08'18 | 46°29'32 | | -12828 Nov 18 j 00:28 | 0°♑ | | |
| | -12830 May 10 j 02:56 | 0°♐ | | | -12828 Dec 13 j 04:33 | 0°♒ | | |
| | -12830 Jun 05 j 23:17 | 0°♑ | | asc. node | -12827 Jan 08 j 05:02 | 0°♏02'29 | | |
| asc. node | -12830 Jul 01 j 02:25 | 0°♏ | | | -12827 Jan 08 j 04:09 | 0°♏ | | |
| | -12830 Jul 24 j 14:17 | 28°♏53'57 | | | -12827 Feb 04 j 19:34 | 0°♐ | | |
| | -12830 Jul 25 j 11:35 | 0°♐ | | evening max el | -12827 Feb 19 j 13:21 | 14°♐38'01 | 45°28'54 | |
| | -12830 Aug 18 j 13:59 | 0°♏ | | | -12827 Mar 09 j 05:41 | 0°♑ | | |
| | -12830 Sep 11 j 16:19 | 0°♐ | | greatest brilliancy | -12827 Mar 30 j 18:27 | 12°♑31'13 | -4.8m | |
| | -12830 Oct 05 j 22:13 | 0°♑ | | retrograde | -12827 Apr 09 j 11:04 | 14°♑11'41 | | |
| | -12830 Oct 30 j 08:22 | 0°♒ | | evening set | -12827 Apr 24 j 00:22 | 10°♑15'51 | | |
| morning set | -12830 Nov 04 j 15:22 | 6°♒28'38 | | inferior conj | -12827 Apr 30 j 09:00 | 6°♑42'33 | 0°26'34 | |
| desc. node | -12830 Nov 15 j 02:43 | 19°♒17'08 | | minimum elong | -12827 Apr 30 j 09:59 | 6°♑41'06 | 0°25'35 | |
| | -12830 Nov 23 j 21:03 | 0°♓ | | min. Earth dist. | -12827 Apr 30 j 23:02 | 6°♑21'56 | 0.26740 AU | |
| max. Earth dist. | -12830 Dec 12 j 03:34 | 22°♓20'44 | 1.73833 AU | desc. node | -12827 May 02 j 04:40 | 5°♑38'31 | | |
| | | | | morning rise | -12827 May 06 j 18:36 | 3°♑05'46 | | |
| superior conj | -12830 Dec 13 j 18:31 | 24°♓19'57 | -0°57'36 | | -12827 May 14 j 11:52 | 30°♏♐ | | |
| minimum elong | -12830 Dec 13 j 09:58 | 23°♓53'47 | 0°57'15 | direct | -12827 May 21 j 04:27 | 29°♐06'26 | | |
| | -12830 Dec 18 j 09:34 | 0°♑ | | | -12827 May 28 j 01:29 | 0°♑ | | |
| | -12829 Jan 11 j 20:11 | 0°♒ | | greatest brilliancy | -12827 Jun 01 j 18:55 | 1°♑33'40 | -4.9m | |
| evening rise | -12829 Jan 18 j 17:18 | 8°♒27'47 | | | -12827 Jul 08 j 16:53 | 0°♏ | | |
| greatest brilliancy | -12829 Jan 25 j 23:54 | 17°♒25'03 | -3.9m | morning max el | -12827 Jul 10 j 18:13 | 2°♏04'45 | 46°39'13 | |
| | -12829 Feb 05 j 05:12 | 0°♏ | | | -12827 Aug 05 j 09:18 | 0°♐ | | |
| | -12829 Mar 01 j 14:21 | 0°♐ | | asc. node | -12827 Aug 21 j 03:50 | 18°♐20'19 | | |
| asc. node | -12829 Mar 05 j 23:29 | 5°♐22'44 | | | -12827 Aug 30 j 23:44 | 0°♏ | | |
| | -12829 Mar 26 j 01:44 | 0°♑ | | | -12827 Sep 24 j 22:14 | 0°♐ | | |
| | -12829 Apr 19 j 17:01 | 0°♏ | | | -12827 Oct 19 j 17:21 | 0°♑ | | |
| | -12829 May 14 j 14:28 | 0°♐ | | | -12827 Nov 13 j 13:25 | 0°♒ | | |
| | -12829 Jun 08 j 23:41 | 0°♏ | | | -12827 Dec 08 j 09:57 | 0°♓ | | |
| desc. node | -12829 Jun 27 j 21:49 | 21°♏37'42 | | desc. node | -12827 Dec 12 j 16:54 | 5°♓11'09 | | |
| | -12829 Jul 05 j 11:48 | 0°♐ | | | -12826 Jan 02 j 04:10 | 0°♑ | | |
| evening max el | -12829 Jul 18 j 19:40 | 14°♐06'26 | 47°45'24 | morning set | -12826 Jan 13 j 22:05 | 14°♑18'51 | | |
| | -12829 Aug 04 j 10:59 | 0°♑ | | | -12826 Jan 26 j 17:35 | 0°♒ | | |
| greatest brilliancy | -12829 Aug 29 j 01:16 | 16°♑20'01 | -4.9m | max. Earth dist. | -12826 Feb 13 j 15:17 | 22°♒02'50 | 1.73218 AU | |
| retrograde | -12829 Sep 08 j 02:24 | 18°♑17'11 | | | | | | |
| evening set | -12829 Sep 23 j 18:15 | 13°♑15'19 | | superior conj | -12826 Feb 18 j 07:39 | 27°♒50'09 | -1°15'50 | |
| min. Earth dist. | -12829 Sep 28 j 13:34 | 10°♑13'50 | 0.27946 AU | minimum elong | -12826 Feb 18 j 12:16 | 28°♒04'28 | 1°16'28 | |
| inferior conj | -12829 Sep 29 j 00:45 | 9°♑55'42 | -4°07'03 | | -12826 Feb 20 j 01:37 | 0°♏ | | |
| minimum elong | -12829 Sep 29 j 08:20 | 9°♑43'25 | 4°04'13 | | -12826 Mar 16 j 05:33 | 0°♐ | | |
| morning rise | -12829 Oct 04 j 23:11 | 6°♑15'13 | | evening rise | -12826 Mar 25 j 07:01 | 11°♐17'02 | | |
| asc. node | -12829 Oct 17 j 01:27 | 1°♑57'45 | | asc. node | -12826 Apr 02 j 11:26 | 21°♐28'54 | | |
| direct | -12829 Oct 19 j 18:38 | 1°♑48'39 | | | -12826 Apr 09 j 07:25 | 0°♑ | | |
| greatest brilliancy | -12829 Oct 28 j 21:28 | 3°♑23'29 | -4.8m | | -12826 May 03 j 09:03 | 0°♏ | | |
| | -12829 Dec 05 j 06:09 | 0°♒ | | | -12826 May 27 j 12:01 | 0°♐ | | |
| morning max el | -12829 Dec 07 j 18:50 | 2°♒24'17 | 46°02'44 | | -12826 Jun 20 j 18:23 | 0°♏ | | |
| | -12828 Jan 03 j 17:23 | 0°♓ | | | -12826 Jul 15 j 07:20 | 0°♐ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

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|---------------------|-----------------------|------------|------------|---------------------|-----------------------|------------|------------|--|
| desc. node | -12826 Jul 25 j 07:22 | 12°II04'35 | | | -12823 Feb 10 j 10:03 | 0°ML | | |
| | -12826 Aug 09 j 08:20 | 0°Θ | | | -12823 Mar 06 j 22:29 | 0°X | | |
| | -12826 Sep 04 j 08:58 | 0°Ω | | morning set | -12823 Mar 21 j 07:29 | 17°X47'44 | | |
| evening max el | -12826 Sep 27 j 06:23 | 24°Ω26'40 | 46°05'37 | | -12823 Mar 31 j 02:43 | 0°Θ | | |
| | -12826 Oct 02 j 22:09 | 0°Π | | max. Earth dist. | -12823 Apr 22 j 13:06 | 28°Θ06'02 | 1.71527 AU | |
| greatest brilliancy | -12826 Nov 04 j 14:28 | 24°Π06'36 | -4.8m | | -12823 Apr 24 j 01:23 | 0°≈ | | |
| asc. node | -12826 Nov 13 j 11:59 | 26°Π24'09 | | | | | | |
| retrograde | -12826 Nov 15 j 22:56 | 26°Π31'26 | | superior conj | -12823 Apr 25 j 22:16 | 2°≈21'02 | -0°09'29 | |
| evening set | -12826 Dec 01 j 10:04 | 21°Π44'18 | | minimum elong | -12823 Apr 26 j 00:19 | 2°≈27'29 | 0°10'05 | |
| inferior conj | -12826 Dec 07 j 06:15 | 18°Π07'07 | 5°00'21 | behind sun begin | -12823 Apr 25 j 06:16 | 1°≈30'46 | | |
| minimum elong | -12826 Dec 06 j 21:55 | 18°Π20'32 | 4°58'40 | behind sun end | -12823 Apr 26 j 18:21 | 3°≈24'13 | | |
| min. Earth dist. | -12826 Dec 07 j 01:49 | 18°Π14'15 | 0.29349 AU | asc. node | -12823 Apr 30 j 00:19 | 7°≈29'20 | | |
| morning rise | -12826 Dec 12 j 09:58 | 14°Π53'33 | | | -12823 May 17 j 21:13 | 0°X | | |
| direct | -12826 Dec 28 j 23:20 | 9°Π35'09 | | evening rise | -12823 Jun 02 j 14:46 | 19°X49'26 | | |
| greatest brilliancy | -12825 Jan 07 j 07:31 | 11°Π09'46 | -4.7m | | -12823 Jun 10 j 16:40 | 0°Y | | |
| | -12825 Feb 05 j 17:39 | 0°Ω | | | -12823 Jul 04 j 13:54 | 0°X | | |
| morning max el | -12825 Feb 15 j 21:34 | 9°Ω12'14 | 46°07'18 | | -12823 Jul 28 j 14:58 | 0°II | | |
| desc. node | -12825 Mar 07 j 08:00 | 28°Ω46'29 | | desc. node | -12823 Aug 21 j 17:45 | 29°II47'35 | | |
| | -12825 Mar 08 j 11:45 | 0°ML | | | -12823 Aug 21 j 21:47 | 0°Θ | | |
| | -12825 Apr 04 j 12:05 | 0°X | | | -12823 Sep 15 j 12:29 | 0°Ω | | |
| | -12825 Apr 29 j 22:13 | 0°Θ | | | -12823 Oct 10 j 15:02 | 0°Π | | |
| | -12825 May 24 j 10:57 | 0°≈ | | | -12823 Nov 05 j 15:54 | 0°Ω | | |
| | -12825 Jun 17 j 11:31 | 0°X | | | -12823 Dec 03 j 22:44 | 0°ML | | |
| asc. node | -12825 Jun 26 j 02:11 | 10°X50'27 | | evening max el | -12823 Dec 06 j 22:53 | 2°ML55'27 | 44°50'08 | |
| | -12825 Jul 11 j 06:24 | 0°Y | | asc. node | -12823 Dec 10 j 21:44 | 6°ML39'31 | | |
| | -12825 Aug 04 j 00:32 | 0°X | | | -12822 Jan 13 j 07:21 | 0°X | | |
| morning set | -12825 Aug 17 j 07:35 | 16°X43'48 | | greatest brilliancy | -12822 Jan 13 j 06:31 | 29°ML59'15 | -4.7m | |
| | -12825 Aug 27 j 21:32 | 0°II | | retrograde | -12822 Jan 23 j 20:45 | 1°X58'25 | | |
| | -12825 Sep 20 j 23:15 | 0°Θ | | | -12822 Feb 02 j 23:46 | 30°RML | | |
| | | | | evening set | -12822 Feb 10 j 10:03 | 26°ML18'31 | | |
| superior conj | -12825 Sep 28 j 21:36 | 9°Θ49'51 | 0°40'25 | inferior conj | -12822 Feb 14 j 05:51 | 23°ML59'29 | 7°59'42 | |
| minimum elong | -12825 Sep 29 j 07:21 | 10°Θ20'00 | 0°40'51 | minimum elong | -12822 Feb 14 j 09:37 | 23°ML53'40 | 7°58'48 | |
| max. Earth dist. | -12825 Oct 04 j 12:01 | 16°Θ45'22 | 1.72574 AU | min. Earth dist. | -12822 Feb 15 j 08:52 | 23°ML17'47 | 0.29016 AU | |
| | -12825 Oct 15 j 05:41 | 0°Ω | | morning rise | -12822 Feb 18 j 08:50 | 21°ML28'48 | | |
| desc. node | -12825 Oct 17 j 15:25 | 2°Ω57'45 | | direct | -12822 Mar 08 j 05:48 | 15°ML37'21 | | |
| | -12825 Nov 08 j 15:25 | 0°Π | | greatest brilliancy | -12822 Mar 19 j 08:28 | 17°ML48'55 | -4.8m | |
| evening rise | -12825 Nov 09 j 04:54 | 0°Π41'22 | | desc. node | -12822 Apr 03 j 20:01 | 26°ML34'08 | | |
| | -12825 Dec 03 j 02:59 | 0°Ω | | | -12822 Apr 08 j 08:57 | 0°X | | |
| | -12825 Dec 27 j 16:31 | 0°ML | | morning max el | -12822 Apr 27 j 02:44 | 16°X49'59 | 46°28'47 | |
| | -12824 Jan 21 j 10:16 | 0°X | | | -12822 May 09 j 21:47 | 0°Θ | | |
| asc. node | -12824 Feb 05 j 14:57 | 18°X14'39 | | | -12822 Jun 05 j 14:12 | 0°≈ | | |
| | -12824 Feb 15 j 12:04 | 0°Θ | | | -12822 Jun 30 j 15:42 | 0°X | | |
| | -12824 Mar 12 j 02:49 | 0°≈ | | asc. node | -12822 Jul 23 j 16:21 | 28°X21'43 | | |
| | -12824 Apr 07 j 15:04 | 0°X | | | -12822 Jul 25 j 00:01 | 0°Y | | |
| evening max el | -12824 May 04 j 11:02 | 28°X18'56 | 47°20'53 | | -12822 Aug 18 j 01:54 | 0°X | | |
| | -12824 May 06 j 04:04 | 0°Y | | | -12822 Sep 11 j 03:53 | 0°II | | |
| desc. node | -12824 May 29 j 14:38 | 20°Y26'12 | | | -12822 Oct 05 j 09:31 | 0°Θ | | |
| greatest brilliancy | -12824 Jun 14 j 16:15 | 29°Y20'38 | -4.9m | | -12822 Oct 29 j 19:29 | 0°Ω | | |
| | -12824 Jun 16 j 18:43 | 0°X | | morning set | -12822 Nov 02 j 04:47 | 4°Ω08'54 | | |
| retrograde | -12824 Jun 24 j 05:02 | 1°X03'52 | | desc. node | -12822 Nov 14 j 04:51 | 18°Ω49'57 | | |
| | -12824 Jul 01 j 09:03 | 30°R Y | | | -12822 Nov 23 j 08:01 | 0°Π | | |
| evening set | -12824 Jul 11 j 09:12 | 25°Y20'42 | | max. Earth dist. | -12822 Dec 10 j 00:13 | 20°Π23'42 | 1.73824 AU | |
| min. Earth dist. | -12824 Jul 13 j 23:47 | 23°Y46'24 | 0.26599 AU | | | | | |
| inferior conj | -12824 Jul 14 j 22:21 | 23°Y11'53 | -8°29'02 | superior conj | -12822 Dec 11 j 11:29 | 22°Π11'38 | -0°55'24 | |
| minimum elong | -12824 Jul 14 j 17:40 | 23°Y19'04 | 8°28'22 | minimum elong | -12822 Dec 11 j 02:55 | 21°Π45'25 | 0°55'00 | |
| morning rise | -12824 Jul 18 j 02:20 | 21°Y17'23 | | | -12822 Dec 17 j 20:27 | 0°Ω | | |
| direct | -12824 Aug 04 j 01:46 | 15°Y40'03 | | | -12821 Jan 11 j 07:05 | 0°ML | | |
| greatest brilliancy | -12824 Aug 13 j 18:05 | 17°Y28'50 | -4.9m | evening rise | -12821 Jan 16 j 12:51 | 6°ML26'40 | | |
| | -12824 Sep 03 j 03:09 | 0°X | | greatest brilliancy | -12821 Jan 24 j 18:17 | 16°ML34'05 | -3.9m | |
| asc. node | -12824 Sep 17 j 16:24 | 13°X03'27 | | | -12821 Feb 04 j 16:13 | 0°X | | |
| morning max el | -12824 Sep 23 j 06:20 | 18°X34'21 | 46°21'32 | | -12821 Mar 01 j 01:41 | 0°Θ | | |
| | -12824 Oct 04 j 06:35 | 0°II | | asc. node | -12821 Mar 05 j 01:50 | 4°Θ55'00 | | |
| | -12824 Oct 31 j 09:50 | 0°Θ | | | -12821 Mar 25 j 13:35 | 0°≈ | | |
| | -12824 Nov 26 j 12:19 | 0°Ω | | | -12821 Apr 19 j 05:36 | 0°X | | |
| | -12824 Dec 22 j 04:21 | 0°Π | | | -12821 May 14 j 04:04 | 0°Y | | |
| desc. node | -12823 Jan 09 j 07:09 | 21°Π25'22 | | | -12821 Jun 08 j 14:57 | 0°X | | |
| | -12823 Jan 16 j 11:56 | 0°Ω | | desc. node | -12821 Jun 27 j 00:02 | 20°X55'20 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | | | |
|---------------------|-----------------------|----------------------|------------|--|---------------------|--|-----------------------|----------------------|------------|--|--|
| | -12821 Jul 05 j 06:37 | 0° Π | | | | | -12819 Dec 07 j 21:16 | 0° Π | | | |
| evening max el | -12821 Jul 16 j 10:26 | 11° Π 45'06 | 47°47'22 | | desc. node | | -12819 Dec 11 j 18:58 | 4° Π 43'20 | | | |
| | -12821 Aug 04 j 19:25 | 0° Ξ | | | | | -12818 Jan 01 j 15:13 | 0° Ξ | | | |
| greatest brilliancy | -12821 Aug 26 j 19:20 | 14° Ξ 04'07 | -4.9m | | morning set | | -12818 Jan 11 j 16:27 | 12° Ξ 14'53 | | | |
| retrograde | -12821 Sep 05 j 17:56 | 15° Ξ 59'15 | | | | | -12818 Jan 26 j 04:30 | 0° Π | | | |
| evening set | -12821 Sep 21 j 12:32 | 10° Ξ 54'21 | | | max. Earth dist. | | -12818 Feb 11 j 13:57 | 20° Π 10'54 | 1.73268 AU | | |
| min. Earth dist. | -12821 Sep 26 j 05:43 | 7° Ξ 56'16 | 0.27894 AU | | | | | | | | |
| inferior conj | -12821 Sep 26 j 16:39 | 7° Ξ 38'33 | -4°25'10 | | superior conj | | -12818 Feb 16 j 03:45 | 25° Π 50'08 | -1°16'42 | | |
| minimum elong | -12821 Sep 27 j 00:37 | 7° Ξ 25'37 | 4°22'16 | | minimum elong | | -12818 Feb 16 j 07:56 | 26° Π 03'05 | 1°17'21 | | |
| morning rise | -12821 Oct 02 j 13:23 | 4° Ξ 00'21 | | | | | -12818 Feb 19 j 12:32 | 0° Ξ | | | |
| | -12821 Oct 12 j 16:22 | 30° κ Π | | | | | -12818 Mar 15 j 16:35 | 0° Ξ | | | |
| asc. node | -12821 Oct 16 j 03:44 | 29° Π 34'24 | | | evening rise | | -12818 Mar 23 j 02:17 | 9° Ξ 13'02 | | | |
| direct | -12821 Oct 17 j 09:11 | 29° Π 32'33 | | | asc. node | | -12818 Apr 01 j 13:42 | 21° Ξ 01'09 | | | |
| | -12821 Oct 22 j 05:01 | 0° Ξ | | | | | -12818 Apr 08 j 18:41 | 0° \approx | | | |
| greatest brilliancy | -12821 Oct 26 j 13:22 | 1° Ξ 08'16 | -4.8m | | | | -12818 May 02 j 20:36 | 0° κ | | | |
| | -12821 Dec 05 j 05:25 | 0° Ω | | | | | -12818 May 26 j 23:56 | 0° Υ | | | |
| morning max el | -12821 Dec 05 j 09:36 | 0° Ω 10'01 | 46°02'59 | | | | -12818 Jun 20 j 06:47 | 0° Ξ | | | |
| | -12820 Jan 03 j 09:30 | 0° Π | | | | | -12818 Jul 14 j 20:25 | 0° Π | | | |
| | -12820 Jan 30 j 09:18 | 0° Ξ | | | desc. node | | -12818 Jul 24 j 09:41 | 11° Π 31'14 | | | |
| desc. node | -12820 Feb 06 j 21:07 | 8° Ξ 34'49 | | | | | -12818 Aug 08 j 22:32 | 0° Ξ | | | |
| | -12820 Feb 25 j 06:06 | 0° Π | | | | | -12818 Sep 04 j 01:32 | 0° Ω | | | |
| | -12820 Mar 21 j 07:29 | 0° Ξ | | | evening max el | | -12818 Sep 24 j 23:23 | 22° Ω 15'11 | 46°09'35 | | |
| | -12820 Apr 14 j 18:15 | 0° Ξ | | | | | -12818 Oct 02 j 22:22 | 0° Π | | | |
| | -12820 May 08 j 18:57 | 0° \approx | | | greatest brilliancy | | -12818 Nov 02 j 08:19 | 21° Π 59'14 | -4.8m | | |
| greatest brilliancy | -12820 May 25 j 20:57 | 21° \approx 31'33 | -4.0m | | asc. node | | -12818 Nov 12 j 14:14 | 24° Π 22'53 | | | |
| asc. node | -12820 May 27 j 13:58 | 23° \approx 41'08 | | | retrograde | | -12818 Nov 13 j 17:22 | 24° Π 24'26 | | | |
| morning set | -12820 May 29 j 03:08 | 25° \approx 38'34 | | | evening set | | -12818 Nov 29 j 02:11 | 19° Π 39'25 | | | |
| | -12820 Jun 01 j 13:49 | 0° κ | | | inferior conj | | -12818 Dec 04 j 23:53 | 15° Π 59'40 | 4°45'53 | | |
| | -12820 Jun 25 j 06:31 | 0° Υ | | | minimum elong | | -12818 Dec 04 j 15:44 | 16° Π 12'47 | 4°44'13 | | |
| | | | | | min. Earth dist. | | -12818 Dec 04 j 18:22 | 16° Π 08'33 | 0.29313 AU | | |
| superior conj | -12820 Jul 08 j 01:47 | 16° Υ 12'01 | 1°16'10 | | morning rise | | -12818 Dec 10 j 05:37 | 12° Π 43'12 | | | |
| minimum elong | -12820 Jul 07 j 17:28 | 15° Υ 45'43 | 1°16'15 | | direct | | -12818 Dec 26 j 16:44 | 7° Π 28'15 | | | |
| max. Earth dist. | -12820 Jul 12 j 09:02 | 21° Υ 38'08 | 1.70770 AU | | greatest brilliancy | | -12817 Jan 04 j 22:57 | 9° Π 01'47 | -4.7m | | |
| | -12820 Jul 19 j 00:07 | 0° Ξ | | | | | -12817 Feb 05 j 20:36 | 0° Ξ | | | |
| | -12820 Aug 11 j 21:06 | 0° Π | | | | | -12817 Feb 13 j 15:00 | 7° Ξ 06'55 | 46°06'38 | | |
| evening rise | -12820 Aug 19 j 20:41 | 9° Π 58'28 | | | morning max el | | -12817 Mar 06 j 10:19 | 28° Ξ 07'16 | | | |
| | -12820 Sep 04 j 22:57 | 0° Ξ | | | desc. node | | -12817 Mar 08 j 04:38 | 0° Π | | | |
| desc. node | -12820 Sep 18 j 05:11 | 16° Ξ 24'25 | | | | | -12817 Apr 04 j 02:06 | 0° Ξ | | | |
| | -12820 Sep 29 j 05:59 | 0° Ω | | | | | -12817 Apr 29 j 11:00 | 0° Ξ | | | |
| | -12820 Oct 23 j 18:05 | 0° Π | | | | | -12817 May 23 j 23:06 | 0° \approx | | | |
| | -12820 Nov 17 j 12:25 | 0° Ξ | | | | | -12817 Jun 16 j 23:20 | 0° κ | | | |
| | -12820 Dec 12 j 17:22 | 0° Π | | | asc. node | | -12817 Jun 25 j 04:17 | 10° κ 20'01 | | | |
| asc. node | -12819 Jan 07 j 07:13 | 29° Π 27'17 | | | | | -12817 Jul 10 j 18:02 | 0° Υ | | | |
| | -12819 Jan 07 j 18:52 | 0° Ξ | | | | | -12817 Aug 03 j 12:04 | 0° Ξ | | | |
| | -12819 Feb 04 j 14:55 | 0° Ξ | | | morning set | | -12817 Aug 14 j 16:32 | 14° Ξ 05'05 | | | |
| evening max el | -12819 Feb 17 j 02:25 | 12° Ξ 18'20 | 45°25'44 | | | | -12817 Aug 27 j 08:58 | 0° Π | | | |
| | -12819 Mar 09 j 21:51 | 0° \approx | | | | | -12817 Sep 20 j 10:36 | 0° Ξ | | | |
| greatest brilliancy | -12819 Mar 28 j 05:37 | 10° \approx 06'20 | -4.8m | | | | | | | | |
| retrograde | -12819 Apr 06 j 23:11 | 11° \approx 47'32 | | | superior conj | | -12817 Sep 26 j 07:02 | 7° Ξ 15'20 | 0°43'43 | | |
| evening set | -12819 Apr 21 j 13:26 | 7° \approx 49'43 | | | minimum elong | | -12817 Sep 26 j 17:22 | 7° Ξ 47'20 | 0°44'09 | | |
| inferior conj | -12819 Apr 27 j 21:03 | 4° \approx 17'50 | 0°49'38 | | max. Earth dist. | | -12817 Oct 02 j 03:34 | 14° Ξ 30'09 | 1.72507 AU | | |
| minimum elong | -12819 Apr 27 j 22:55 | 4° \approx 15'05 | 0°48'22 | | | | -12817 Oct 14 j 16:58 | 0° Ω | | | |
| min. Earth dist. | -12819 Apr 28 j 12:45 | 3° \approx 54'47 | 0.26802 AU | | desc. node | | -12817 Oct 16 j 17:31 | 2° Ω 29'31 | | | |
| desc. node | -12819 May 01 j 06:50 | 2° \approx 19'02 | | | evening rise | | -12817 Nov 06 j 19:14 | 28° Ω 23'35 | | | |
| morning rise | -12819 May 04 j 07:24 | 0° \approx 40'18 | | | | | -12817 Nov 08 j 02:40 | 0° Π | | | |
| | -12819 May 05 j 15:43 | 30° κ Ξ | | | | | -12817 Dec 02 j 14:17 | 0° Ξ | | | |
| direct | -12819 May 18 j 17:48 | 26° Ξ 40'10 | | | | | -12817 Dec 27 j 04:02 | 0° Π | | | |
| greatest brilliancy | -12819 May 30 j 09:33 | 29° Ξ 09'09 | -4.9m | | | | -12816 Jan 20 j 22:15 | 0° Ξ | | | |
| | -12819 Jun 01 j 08:28 | 0° \approx | | | asc. node | | -12816 Feb 04 j 17:24 | 17° Ξ 44'47 | | | |
| morning max el | -12819 Jul 08 j 08:14 | 29° \approx 39'19 | 46°39'26 | | | | -12816 Feb 15 j 00:56 | 0° Ξ | | | |
| | -12819 Jul 08 j 16:21 | 0° κ | | | | | -12816 Mar 11 j 17:17 | 0° \approx | | | |
| | -12819 Aug 05 j 02:03 | 0° Υ | | | | | -12816 Apr 07 j 08:37 | 0° κ | | | |
| asc. node | -12819 Aug 20 j 06:09 | 17° Υ 42'37 | | | evening max el | | -12816 May 02 j 01:37 | 25° κ 55'57 | 47°17'16 | | |
| | -12819 Aug 30 j 14:01 | 0° Ξ | | | | | -12816 May 06 j 05:43 | 0° Υ | | | |
| | -12819 Sep 24 j 11:16 | 0° Π | | | desc. node | | -12816 May 28 j 16:51 | 19° Υ 02'32 | | | |
| | -12819 Oct 19 j 05:37 | 0° Ξ | | | greatest brilliancy | | -12816 Jun 12 j 03:53 | 26° Υ 48'06 | -4.9m | | |
| | -12819 Nov 13 j 01:09 | 0° Ω | | | retrograde | | -12816 Jun 21 j 17:28 | 28° Υ 31'21 | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|----------------------|------------|
| evening set | -12816 Jul 08 j 18:00 | 22° Υ 54'30 | | superior conj | -12814 Dec 09 j 04:15 | 20° Π 01'50 | -0°53'07 |
| min. Earth dist. | -12816 Jul 11 j 11:49 | 21° Υ 15'31 | 0.26562 AU | minimum elong | -12814 Dec 08 j 19:41 | 19° Π 35'39 | 0°52'39 |
| inferior conj | -12816 Jul 12 j 10:29 | 20° Υ 40'53 | -8°22'46 | | -12814 Dec 17 j 07:37 | 0° Ω | |
| minimum elong | -12816 Jul 12 j 04:58 | 20° Υ 49'18 | 8°22'01 | | -12813 Jan 10 j 18:14 | 0° Π | |
| morning rise | -12816 Jul 15 j 16:10 | 18° Υ 44'01 | | evening rise | -12813 Jan 14 j 08:27 | 4° Π 24'59 | |
| direct | -12816 Aug 01 j 14:22 | 13° Υ 10'18 | | greatest brilliancy | -12813 Jan 23 j 13:29 | 15° Π 44'44 | -3.9m |
| greatest brilliancy | -12816 Aug 11 j 06:47 | 14° Υ 59'03 | -4.9m | | -12813 Feb 04 j 03:31 | 0° Υ | |
| | -12816 Sep 03 j 15:26 | 0° Υ | | | -12813 Feb 28 j 13:17 | 0° Ξ | |
| asc. node | -12816 Sep 16 j 18:39 | 12° Υ 06'50 | | asc. node | -12813 Mar 04 j 04:10 | 4° Ξ 26'25 | |
| morning max el | -12816 Sep 20 j 19:14 | 16° Υ 07'11 | 46°22'19 | | -12813 Mar 25 j 01:41 | 0° \approx | |
| | -12816 Oct 04 j 02:09 | 0° Π | | | -12813 Apr 18 j 18:24 | 0° Υ | |
| | -12816 Oct 31 j 01:14 | 0° Ξ | | | -12813 May 13 j 17:56 | 0° Υ | |
| | -12816 Nov 26 j 01:51 | 0° Ω | | | -12813 Jun 08 j 06:36 | 0° Υ | |
| | -12816 Dec 21 j 16:49 | 0° Π | | desc. node | -12813 Jun 26 j 02:19 | 20° Υ 11'53 | |
| desc. node | -12815 Jan 08 j 09:17 | 20° Π 56'03 | | | -12813 Jul 05 j 02:13 | 0° Π | |
| | -12815 Jan 15 j 23:45 | 0° Ω | | evening max el | -12813 Jul 14 j 00:55 | 9° Π 22'01 | 47°48'55 |
| | -12815 Feb 09 j 21:28 | 0° Π | | | -12813 Aug 05 j 07:27 | 0° Ξ | |
| | -12815 Mar 06 j 09:39 | 0° Υ | | greatest brilliancy | -12813 Aug 24 j 12:48 | 11° Ξ 45'28 | -4.9m |
| morning set | -12815 Mar 19 j 02:57 | 15° Υ 44'41 | | retrograde | -12813 Sep 03 j 09:19 | 13° Ξ 39'11 | |
| | -12815 Mar 30 j 13:49 | 0° Ξ | | evening set | -12813 Sep 19 j 06:35 | 8° Ξ 30'46 | |
| max. Earth dist. | -12815 Apr 20 j 01:56 | 25° Ξ 40'36 | 1.71591 AU | inferior conj | -12813 Sep 24 j 08:15 | 5° Ξ 19'07 | -4°43'06 |
| | | | | minimum elong | -12813 Sep 24 j 16:35 | 5° Ξ 05'37 | 4°40'10 |
| superior conj | -12815 Apr 23 j 15:41 | 0° \approx 09'53 | -0°12'37 | min. Earth dist. | -12813 Sep 23 j 21:32 | 5° Ξ 36'26 | 0.27846 AU |
| minimum elong | -12815 Apr 23 j 18:20 | 0° \approx 18'13 | 0°13'12 | morning rise | -12813 Sep 30 j 03:09 | 1° Ξ 43'41 | |
| behind sun begin | -12815 Apr 23 j 05:12 | 29° Ξ 36'57 | | | -12813 Oct 03 j 10:33 | 30° Υ Π | |
| behind sun end | -12815 Apr 24 j 07:28 | 0° \approx 59'29 | | direct | -12813 Oct 14 j 23:24 | 27° Π 13'59 | |
| | -12815 Apr 23 j 12:32 | 0° \approx | | asc. node | -12813 Oct 15 j 05:55 | 27° Π 14'05 | |
| asc. node | -12815 Apr 29 j 02:28 | 7° \approx 00'55 | | greatest brilliancy | -12813 Oct 24 j 05:10 | 28° Π 51'00 | -4.8m |
| | -12815 May 17 j 08:32 | 0° Υ | | | -12813 Oct 27 j 05:31 | 0° Ξ | |
| evening rise | -12815 May 31 j 04:30 | 17° Υ 25'32 | | morning max el | -12813 Dec 03 j 00:52 | 27° Ξ 55'35 | 46°03'26 |
| | -12815 Jun 10 j 04:11 | 0° Υ | | | -12813 Dec 05 j 04:16 | 0° Ω | |
| | -12815 Jul 04 j 01:37 | 0° Υ | | | -12812 Jan 03 j 01:42 | 0° Π | |
| | -12815 Jul 28 j 02:54 | 0° Π | | | -12812 Jan 29 j 23:02 | 0° Ω | |
| desc. node | -12815 Aug 20 j 20:06 | 29° Π 17'24 | | desc. node | -12812 Feb 05 j 23:23 | 8° Ω 02'55 | |
| | -12815 Aug 21 j 09:59 | 0° Ξ | | | -12812 Feb 24 j 18:37 | 0° Π | |
| | -12815 Sep 15 j 01:08 | 0° Ω | | | -12812 Mar 20 j 19:21 | 0° Υ | |
| | -12815 Oct 10 j 04:36 | 0° Π | | | -12812 Apr 14 j 05:47 | 0° Ξ | |
| | -12815 Nov 05 j 07:31 | 0° Ω | | | -12812 May 08 j 06:20 | 0° \approx | |
| | -12815 Dec 03 j 20:30 | 0° Π | | greatest brilliancy | -12812 May 24 j 23:53 | 21° \approx 05'01 | -4.0m |
| evening max el | -12815 Dec 04 j 13:33 | 0° Π 41'11 | 44°51'04 | morning set | -12812 May 26 j 17:48 | 23° \approx 17'24 | |
| asc. node | -12815 Dec 10 j 00:01 | 5° Π 47'52 | | asc. node | -12812 May 26 j 16:11 | 23° \approx 12'19 | |
| greatest brilliancy | -12814 Jan 10 j 21:52 | 27° Π 50'08 | -4.7m | | -12812 Jun 01 j 01:09 | 0° Υ | |
| retrograde | -12814 Jan 21 j 12:20 | 29° Π 50'13 | | | -12812 Jun 24 j 17:51 | 0° Υ | |
| evening set | -12814 Feb 08 j 02:49 | 24° Π 08'35 | | | | | |
| inferior conj | -12814 Feb 11 j 22:07 | 21° Π 50'10 | 8°02'57 | superior conj | -12812 Jul 05 j 12:18 | 13° Υ 37'34 | 1°14'34 |
| minimum elong | -12814 Feb 12 j 01:12 | 21° Π 45'25 | 8°02'10 | minimum elong | -12812 Jul 05 j 03:24 | 13° Υ 09'27 | 1°14'35 |
| min. Earth dist. | -12814 Feb 13 j 00:35 | 21° Π 09'15 | 0.29072 AU | max. Earth dist. | -12812 Jul 09 j 12:34 | 18° Υ 41'47 | 1.70754 AU |
| morning rise | -12814 Feb 15 j 23:12 | 19° Π 21'57 | | | -12812 Jul 18 j 11:31 | 0° Υ | |
| direct | -12814 Mar 05 j 21:48 | 13° Π 26'51 | | | -12812 Aug 11 j 08:34 | 0° Π | |
| greatest brilliancy | -12814 Mar 17 j 00:04 | 15° Π 37'26 | -4.8m | evening rise | -12812 Aug 17 j 03:48 | 7° Π 15'06 | |
| desc. node | -12814 Apr 02 j 22:04 | 25° Π 24'06 | | | -12812 Sep 04 j 10:30 | 0° Ξ | |
| | -12814 Apr 08 j 18:36 | 0° Υ | | desc. node | -12812 Sep 17 j 07:18 | 15° Ξ 55'10 | |
| morning max el | -12814 Apr 24 j 17:21 | 14° Υ 32'15 | 46°28'04 | | -12812 Sep 28 j 17:39 | 0° Ω | |
| | -12814 May 09 j 16:18 | 0° Ξ | | | -12812 Oct 23 j 05:56 | 0° Π | |
| | -12814 Jun 05 j 05:08 | 0° \approx | | | -12812 Nov 17 j 00:41 | 0° Ω | |
| | -12814 Jun 30 j 05:09 | 0° Υ | | | -12812 Dec 12 j 06:33 | 0° Π | |
| asc. node | -12814 Jul 22 j 18:39 | 27° Υ 49'17 | | asc. node | -12811 Jan 06 j 09:40 | 28° Π 51'49 | |
| | -12814 Jul 24 j 12:43 | 0° Υ | | | -12811 Jan 07 j 10:02 | 0° Υ | |
| | -12814 Aug 17 j 14:08 | 0° Υ | | | -12811 Feb 04 j 11:04 | 0° Ξ | |
| | -12814 Sep 10 j 15:48 | 0° Π | | evening max el | -12811 Feb 14 j 16:24 | 10° Ξ 00'34 | 45°22'47 |
| | -12814 Oct 04 j 21:11 | 0° Ξ | | | -12811 Mar 10 j 19:35 | 0° \approx | |
| | -12814 Oct 29 j 06:56 | 0° Ω | | greatest brilliancy | -12811 Mar 25 j 16:37 | 7° \approx 41'36 | -4.8m |
| morning set | -12814 Oct 30 j 17:42 | 1° Ω 46'31 | | retrograde | -12811 Apr 04 j 11:41 | 9° \approx 23'39 | |
| desc. node | -12814 Nov 13 j 06:57 | 18° Ω 21'45 | | evening set | -12811 Apr 19 j 02:55 | 5° \approx 23'54 | |
| | -12814 Nov 22 j 19:17 | 0° Π | | inferior conj | -12811 Apr 25 j 09:15 | 1° \approx 53'20 | 1°12'25 |
| max. Earth dist. | -12814 Dec 07 j 20:05 | 18° Π 23'27 | 1.73809 AU | minimum elong | -12811 Apr 25 j 11:58 | 1° \approx 49'21 | 1°10'53 |
| | | | | min. Earth dist. | -12811 Apr 26 j 02:15 | 1° \approx 28'24 | 0.26863 AU |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | |
|---------------------|-----------------------|--------------------------------|--------------|-----------------------|-------------------------|---|
| | -12811 Apr 28 j 15:15 | 30° κ 3 | evening rise | -12809 Nov 04 j 09:24 | 26° Ω 05'39 | |
| desc. node | -12811 Apr 30 j 09:06 | 29° ζ 01'42 | | -12809 Nov 07 j 13:47 | 0° η | |
| morning rise | -12811 May 01 j 20:07 | 28° ζ 15'21 | | -12809 Dec 02 j 01:30 | 0° $\underline{\alpha}$ | |
| direct | -12811 May 16 j 07:44 | 24° ζ 14'26 | | -12809 Dec 26 j 15:30 | 0° \mathbb{M} | |
| greatest brilliancy | -12811 May 27 j 23:35 | 26° ζ 44'03 | -4.9m | -12808 Jan 20 j 10:14 | 0° \mathcal{A} | |
| | -12811 Jun 03 j 13:36 | 0° \approx | | -12808 Feb 03 j 19:41 | 17° \mathcal{A} 14'29 | |
| morning max el | -12811 Jul 05 j 22:36 | 27° \approx 14'49 | 46°39'40 | -12808 Feb 14 j 13:51 | 0° ζ | |
| | -12811 Jul 08 j 14:53 | 0° \mathcal{H} | | -12808 Mar 11 j 07:50 | 0° \approx | |
| | -12811 Aug 04 j 18:32 | 0° \mathcal{Y} | | -12808 Apr 07 j 02:24 | 0° \mathcal{H} | |
| asc. node | -12811 Aug 19 j 08:23 | 17° \mathcal{Y} 04'55 | | -12808 Apr 29 j 15:09 | 23° \mathcal{H} 30'53 | 47°13'41 |
| | -12811 Aug 30 j 04:12 | 0° \mathcal{B} | | -12808 May 06 j 08:33 | 0° \mathcal{Y} | |
| | -12811 Sep 24 j 00:19 | 0° \mathbb{I} | | -12808 May 27 j 19:12 | 17° \mathcal{Y} 36'41 | |
| | -12811 Oct 18 j 17:58 | 0° \mathcal{E} | | -12808 Jun 09 j 16:00 | 24° \mathcal{Y} 16'45 | -4.9m |
| | -12811 Nov 12 j 13:01 | 0° Ω | | -12808 Jun 19 j 05:17 | 25° \mathcal{Y} 59'22 | |
| | -12811 Dec 07 j 08:45 | 0° η | | -12808 Jul 06 j 02:34 | 20° \mathcal{Y} 29'14 | |
| desc. node | -12811 Dec 10 j 21:11 | 4° η 15'23 | | -12808 Jul 09 j 00:16 | 18° \mathcal{Y} 44'39 | 0.26525 AU |
| | -12810 Jan 01 j 02:25 | 0° $\underline{\alpha}$ | | -12808 Jul 09 j 22:35 | 18° \mathcal{Y} 10'34 | -8°15'34 |
| morning set | -12810 Jan 09 j 10:24 | 10° $\underline{\alpha}$ 09'10 | | -12808 Jul 09 j 16:19 | 18° \mathcal{Y} 20'09 | 8°14'40 |
| | -12810 Jan 25 j 15:32 | 0° \mathbb{M} | | -12808 Jul 13 j 06:17 | 16° \mathcal{Y} 10'48 | |
| max. Earth dist. | -12810 Feb 09 j 11:55 | 18° \mathbb{M} 16'34 | 1.73310 AU | -12808 Jul 30 j 02:28 | 10° \mathcal{Y} 41'02 | |
| | | | | -12808 Aug 08 j 20:08 | 12° \mathcal{Y} 30'27 | -4.9m |
| superior conj | -12810 Feb 13 j 23:34 | 23° \mathbb{M} 48'58 | -1°17'30 | -12808 Sep 04 j 00:19 | 0° \mathcal{B} | |
| minimum elong | -12810 Feb 14 j 03:18 | 24° \mathbb{M} 00'30 | 1°18'08 | -12808 Sep 15 j 20:46 | 11° \mathcal{B} 11'39 | |
| | -12810 Feb 18 j 23:33 | 0° \mathcal{A} | | -12808 Sep 18 j 07:09 | 13° \mathcal{B} 37'56 | 46°23'11 |
| | -12810 Mar 15 j 03:43 | 0° ζ | | -12808 Oct 03 j 20:56 | 0° \mathbb{I} | |
| evening rise | -12810 Mar 20 j 21:30 | 7° ζ 08'41 | | -12808 Oct 30 j 16:11 | 0° \mathcal{E} | |
| asc. node | -12810 Mar 31 j 15:51 | 20° ζ 32'50 | | -12808 Nov 25 j 15:00 | 0° Ω | |
| | -12810 Apr 08 j 06:00 | 0° \approx | | -12808 Dec 21 j 04:59 | 0° η | |
| | -12810 May 02 j 08:13 | 0° \mathcal{H} | | -12807 Jan 07 j 11:29 | 20° η 27'42 | |
| | -12810 May 26 j 11:56 | 0° \mathcal{Y} | | -12807 Jan 15 j 11:19 | 0° $\underline{\alpha}$ | |
| | -12810 Jun 19 j 19:14 | 0° \mathcal{B} | | -12807 Feb 09 j 08:40 | 0° \mathbb{M} | |
| | -12810 Jul 14 j 09:31 | 0° \mathbb{I} | | -12807 Mar 05 j 20:41 | 0° \mathcal{A} | |
| desc. node | -12810 Jul 23 j 12:04 | 10° \mathbb{I} 58'06 | | -12807 Mar 16 j 22:10 | 13° \mathcal{A} 41'19 | |
| | -12810 Aug 08 j 12:46 | 0° \mathcal{E} | | -12807 Mar 30 j 00:46 | 0° ζ | |
| | -12810 Sep 03 j 18:19 | 0° Ω | | -12807 Apr 17 j 16:25 | 23° ζ 20'57 | 1.71651 AU |
| evening max el | -12810 Sep 22 j 16:20 | 20° Ω 03'34 | 46°13'19 | | | |
| | -12810 Oct 02 j 23:46 | 0° η | | superior conj | -12807 Apr 21 j 08:59 | 27° ζ 58'57 -0°15'44 |
| greatest brilliancy | -12810 Oct 31 j 02:31 | 19° η 51'50 | -4.8m | minimum elong | -12807 Apr 21 j 12:13 | 28° ζ 09'07 0°16'19 |
| retrograde | -12810 Nov 11 j 11:19 | 22° η 16'35 | | | -12807 Apr 22 j 23:31 | 0° \approx |
| asc. node | -12810 Nov 11 j 16:33 | 22° η 16'32 | | asc. node | -12807 Apr 28 j 04:43 | 6° \approx 33'22 |
| evening set | -12810 Nov 26 j 18:19 | 17° η 33'49 | | | -12807 May 16 j 19:39 | 0° \mathcal{H} |
| inferior conj | -12810 Dec 02 j 17:23 | 13° η 51'31 | 4°30'56 | evening rise | -12807 May 28 j 18:22 | 15° \mathcal{H} 02'49 |
| minimum elong | -12810 Dec 02 j 09:30 | 14° η 04'15 | 4°29'18 | | -12807 Jun 09 j 15:28 | 0° \mathcal{Y} |
| min. Earth dist. | -12810 Dec 02 j 11:00 | 14° η 01'49 | 0.29279 AU | | -12807 Jul 03 j 13:05 | 0° \mathcal{B} |
| morning rise | -12810 Dec 08 j 01:05 | 10° η 32'01 | | | -12807 Jul 27 j 14:35 | 0° \mathbb{I} |
| direct | -12810 Dec 24 j 10:11 | 5° η 20'46 | | desc. node | -12807 Aug 19 j 22:13 | 28° \mathbb{I} 47'10 |
| greatest brilliancy | -12809 Jan 02 j 14:26 | 6° η 53'02 | -4.7m | | -12807 Aug 20 j 21:57 | 0° \mathcal{E} |
| | -12809 Feb 05 j 22:19 | 0° $\underline{\alpha}$ | | | -12807 Sep 14 j 13:35 | 0° Ω |
| morning max el | -12809 Feb 11 j 07:34 | 4° $\underline{\alpha}$ 59'12 | 46°06'00 | | -12807 Oct 09 j 17:58 | 0° η |
| desc. node | -12809 Mar 05 j 12:23 | 27° $\underline{\alpha}$ 27'29 | | | -12807 Nov 04 j 23:01 | 0° $\underline{\alpha}$ |
| | -12809 Mar 07 j 21:18 | 0° \mathbb{M} | | evening max el | -12807 Dec 02 j 03:50 | 28° $\underline{\alpha}$ 26'56 44°52'08 |
| | -12809 Apr 03 j 16:00 | 0° \mathcal{A} | | | -12807 Dec 03 j 18:42 | 0° \mathbb{M} |
| | -12809 Apr 28 j 23:40 | 0° ζ | | asc. node | -12807 Dec 09 j 02:26 | 4° \mathbb{M} 56'28 |
| | -12809 May 23 j 11:08 | 0° \approx | | greatest brilliancy | -12806 Jan 08 j 12:29 | 25° \mathbb{M} 41'06 -4.7m |
| | -12809 Jun 16 j 11:02 | 0° \mathcal{H} | | retrograde | -12806 Jan 19 j 04:16 | 27° \mathbb{M} 42'59 |
| asc. node | -12809 Jun 24 j 06:32 | 9° \mathcal{H} 50'23 | | evening set | -12806 Feb 05 j 19:17 | 21° \mathbb{M} 59'39 |
| | -12809 Jul 10 j 05:33 | 0° \mathcal{Y} | | inferior conj | -12806 Feb 09 j 14:21 | 19° \mathbb{M} 41'33 8°05'33 |
| | -12809 Aug 02 j 23:29 | 0° \mathcal{B} | | minimum elong | -12806 Feb 09 j 16:44 | 19° \mathbb{M} 37'52 8°04'50 |
| morning set | -12809 Aug 12 j 01:41 | 11° \mathcal{B} 27'14 | | min. Earth dist. | -12806 Feb 10 j 16:05 | 19° \mathbb{M} 01'44 0.29132 AU |
| | -12809 Aug 26 j 20:17 | 0° \mathbb{I} | | morning rise | -12806 Feb 13 j 13:49 | 17° \mathbb{M} 15'37 |
| | -12809 Sep 19 j 21:49 | 0° \mathcal{E} | | direct | -12806 Mar 03 j 13:53 | 11° \mathbb{M} 16'53 |
| | | | | greatest brilliancy | -12806 Mar 14 j 15:53 | 13° \mathbb{M} 26'58 -4.8m |
| superior conj | -12809 Sep 23 j 16:35 | 4° \mathcal{E} 41'29 | 0°46'56 | desc. node | -12806 Apr 02 j 00:20 | 24° \mathbb{M} 16'48 |
| minimum elong | -12809 Sep 24 j 03:25 | 5° \mathcal{E} 15'01 | 0°47'21 | | -12806 Apr 09 j 01:30 | 0° \mathcal{A} |
| max. Earth dist. | -12809 Sep 29 j 21:17 | 12° \mathcal{E} 21'55 | 1.72437 AU | morning max el | -12806 Apr 22 j 08:44 | 12° \mathcal{A} 17'02 46°27'22 |
| | -12809 Oct 14 j 04:06 | 0° Ω | | | -12806 May 09 j 10:13 | 0° ζ |
| desc. node | -12809 Oct 15 j 19:42 | 2° Ω 01'56 | | | -12806 Jun 04 j 19:43 | 0° \approx |

| | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|--|
| | -12806 Jun 29 j 18:17 | 0°♋ | | | -12804 Dec 11 j 19:32 | 0°♌ | | |
| asc. node | -12806 Jul 21 j 20:51 | 27°♌17'35 | | asc. node | -12803 Jan 05 j 12:00 | 28°♍16'41 | | |
| | -12806 Jul 24 j 01:04 | 0°♏ | | | -12803 Jan 07 j 01:04 | 0°♐ | | |
| | -12806 Aug 17 j 02:02 | 0°♑ | | | -12803 Feb 04 j 07:26 | 0°♒ | | |
| | -12806 Sep 10 j 03:22 | 0°♓ | | evening max el | -12803 Feb 12 j 06:57 | 7°♊45'22 | 45°19'53 | |
| | -12806 Oct 04 j 08:31 | 0°♈ | | | -12803 Mar 12 j 00:19 | 0°♉ | | |
| morning set | -12806 Oct 28 j 06:32 | 29°♇24'39 | | greatest brilliancy | -12803 Mar 23 j 04:00 | 5°♈18'59 | -4.8m | |
| | -12806 Oct 28 j 18:04 | 0°♏ | | retrograde | -12803 Apr 02 j 00:08 | 7°♈01'14 | | |
| desc. node | -12806 Nov 12 j 09:11 | 17°♏54'55 | | evening set | -12803 Apr 16 j 16:45 | 2°♈59'39 | | |
| | -12806 Nov 22 j 06:15 | 0°♐ | | | -12803 Apr 22 j 01:27 | 30°♏ | | |
| max. Earth dist. | -12806 Dec 05 j 15:52 | 16°♐23'53 | 1.73793 AU | inferior conj | -12803 Apr 22 j 21:37 | 29°♊30'24 | 1°34'50 | |
| | | | | minimum elong | -12803 Apr 23 j 01:09 | 29°♊25'12 | 1°33'03 | |
| superior conj | -12806 Dec 06 j 21:00 | 17°♐53'03 | -0°50'44 | min. Earth dist. | -12803 Apr 23 j 15:47 | 29°♊03'42 | 0.26930 AU | |
| minimum elong | -12806 Dec 06 j 12:30 | 17°♐27'02 | 0°50'15 | morning rise | -12803 Apr 29 j 08:43 | 25°♊51'57 | | |
| | -12806 Dec 16 j 18:27 | 0°♑ | | desc. node | -12803 Apr 29 j 11:23 | 25°♊48'32 | | |
| | -12805 Jan 10 j 05:04 | 0°♌ | | direct | -12803 May 13 j 21:52 | 21°♊50'18 | | |
| evening rise | -12805 Jan 12 j 04:12 | 2°♌24'50 | | greatest brilliancy | -12803 May 25 j 13:17 | 24°♊19'36 | -4.9m | |
| greatest brilliancy | -12805 Jan 22 j 05:00 | 14°♌45'07 | -3.9m | | -12803 Jun 05 j 00:14 | 0°♈ | | |
| | -12805 Feb 03 j 14:30 | 0°♐ | | morning max el | -12803 Jul 03 j 12:29 | 24°♈49'40 | 46°39'37 | |
| | -12805 Feb 28 j 00:38 | 0°♒ | | | -12803 Jul 08 j 12:26 | 0°♋ | | |
| asc. node | -12805 Mar 03 j 06:21 | 3°♒58'09 | | | -12803 Aug 04 j 10:38 | 0°♏ | | |
| | -12805 Mar 24 j 13:34 | 0°♈ | | asc. node | -12803 Aug 18 j 10:29 | 16°♏27'19 | | |
| | -12805 Apr 18 j 07:04 | 0°♋ | | | -12803 Aug 29 j 18:10 | 0°♌ | | |
| | -12805 May 13 j 07:42 | 0°♏ | | | -12803 Sep 23 j 13:09 | 0°♓ | | |
| | -12805 Jun 07 j 22:13 | 0°♑ | | | -12803 Oct 18 j 06:05 | 0°♈ | | |
| desc. node | -12805 Jun 25 j 04:41 | 19°♑28'51 | | | -12803 Nov 12 j 00:36 | 0°♏ | | |
| | -12805 Jul 04 j 22:03 | 0°♓ | | | -12803 Dec 06 j 19:59 | 0°♐ | | |
| evening max el | -12805 Jul 11 j 15:51 | 7°♓01'02 | 47°50'38 | desc. node | -12803 Dec 09 j 23:18 | 3°♐47'55 | | |
| | -12805 Aug 05 j 22:52 | 0°♈ | | | -12803 Dec 31 j 13:23 | 0°♑ | | |
| greatest brilliancy | -12805 Aug 22 j 05:34 | 9°♈27'00 | -4.9m | morning set | -12802 Jan 07 j 04:26 | 8°♑04'28 | | |
| retrograde | -12805 Sep 01 j 01:08 | 11°♈20'11 | | | -12802 Jan 25 j 02:22 | 0°♌ | | |
| evening set | -12805 Sep 17 j 00:43 | 6°♈07'52 | | max. Earth dist. | -12802 Feb 07 j 08:26 | 16°♌18'29 | 1.73350 AU | |
| inferior conj | -12805 Sep 21 j 23:50 | 3°♈00'29 | -5°00'42 | | | | | |
| minimum elong | -12805 Sep 22 j 08:29 | 2°♈46'31 | 4°57'43 | superior conj | -12802 Feb 11 j 19:39 | 21°♌49'20 | -1°18'12 | |
| min. Earth dist. | -12805 Sep 21 j 12:58 | 3°♈18'01 | 0.27798 AU | minimum elong | -12802 Feb 11 j 22:54 | 21°♌59'21 | 1°18'49 | |
| | -12805 Sep 26 j 18:59 | 30°♏ | | | -12802 Feb 18 j 10:22 | 0°♐ | | |
| morning rise | -12805 Sep 27 j 16:47 | 29°♓28'18 | | | -12802 Mar 14 j 14:37 | 0°♒ | | |
| direct | -12805 Oct 12 j 13:58 | 24°♓56'14 | | evening rise | -12802 Mar 18 j 17:03 | 5°♒06'05 | | |
| asc. node | -12805 Oct 14 j 08:19 | 25°♓00'01 | | asc. node | -12802 Mar 30 j 18:13 | 20°♒05'53 | | |
| greatest brilliancy | -12805 Oct 21 j 20:34 | 26°♓34'19 | -4.8m | | -12802 Apr 07 j 17:07 | 0°♈ | | |
| | -12805 Oct 29 j 12:34 | 0°♈ | | | -12802 May 01 j 19:38 | 0°♋ | | |
| morning max el | -12805 Nov 30 j 17:04 | 25°♈44'20 | 46°03'53 | | -12802 May 25 j 23:46 | 0°♏ | | |
| | -12805 Dec 05 j 01:49 | 0°♏ | | | -12802 Jun 19 j 07:36 | 0°♑ | | |
| | -12804 Jan 02 j 17:16 | 0°♐ | | | -12802 Jul 13 j 22:38 | 0°♓ | | |
| | -12804 Jan 29 j 12:18 | 0°♑ | | desc. node | -12802 Jul 22 j 14:11 | 10°♓24'09 | | |
| desc. node | -12804 Feb 05 j 01:24 | 7°♑31'31 | | | -12802 Aug 08 j 03:07 | 0°♈ | | |
| | -12804 Feb 24 j 06:44 | 0°♌ | | | -12802 Sep 03 j 11:23 | 0°♏ | | |
| | -12804 Mar 20 j 06:51 | 0°♐ | | evening max el | -12802 Sep 20 j 08:43 | 17°♏50'25 | 46°17'13 | |
| | -12804 Apr 13 j 17:00 | 0°♒ | | | -12802 Oct 03 j 02:31 | 0°♐ | | |
| | -12804 May 07 j 17:28 | 0°♈ | | greatest brilliancy | -12802 Oct 28 j 21:28 | 17°♐45'34 | -4.8m | |
| greatest brilliancy | -12804 May 24 j 03:31 | 20°♈41'25 | -4.0m | retrograde | -12802 Nov 09 j 05:02 | 20°♐09'04 | | |
| morning set | -12804 May 24 j 08:24 | 20°♈56'52 | | asc. node | -12802 Nov 10 j 18:55 | 20°♐06'01 | | |
| asc. node | -12804 May 25 j 18:27 | 22°♈44'22 | | evening set | -12802 Nov 24 j 10:41 | 15°♐28'29 | | |
| | -12804 May 31 j 12:17 | 0°♋ | | inferior conj | -12802 Nov 30 j 10:59 | 11°♐43'54 | 4°15'36 | |
| | -12804 Jun 24 j 05:00 | 0°♏ | | minimum elong | -12802 Nov 30 j 03:23 | 11°♐56'10 | 4°14'02 | |
| | | | | min. Earth dist. | -12802 Nov 30 j 03:59 | 11°♐55'12 | 0.29239 AU | |
| superior conj | -12804 Jul 02 j 22:36 | 11°♐03'02 | 1°12'49 | morning rise | -12802 Dec 05 j 20:32 | 8°♐21'17 | | |
| minimum elong | -12804 Jul 02 j 13:14 | 10°♐33'23 | 1°12'44 | direct | -12802 Dec 22 j 03:21 | 3°♐13'52 | | |
| max. Earth dist. | -12804 Jul 06 j 16:58 | 15°♐48'42 | 1.70736 AU | greatest brilliancy | -12802 Dec 31 j 06:18 | 4°♐45'04 | -4.7m | |
| | -12804 Jul 17 j 22:42 | 0°♑ | | | -12801 Feb 05 j 22:36 | 0°♑ | | |
| | -12804 Aug 10 j 19:48 | 0°♓ | | morning max el | -12801 Feb 08 j 23:24 | 2°♑50'07 | 46°05'25 | |
| evening rise | -12804 Aug 14 j 10:37 | 4°♓31'24 | | desc. node | -12801 Mar 04 j 14:34 | 26°♑48'52 | | |
| | -12804 Sep 03 j 21:47 | 0°♈ | | | -12801 Mar 07 j 13:31 | 0°♌ | | |
| desc. node | -12804 Sep 16 j 09:31 | 15°♈27'10 | | | -12801 Apr 03 j 05:39 | 0°♐ | | |
| | -12804 Sep 28 j 05:01 | 0°♏ | | | -12801 Apr 28 j 12:09 | 0°♒ | | |
| | -12804 Oct 22 j 17:31 | 0°♐ | | | -12801 May 22 j 23:01 | 0°♈ | | |
| | -12804 Nov 16 j 12:42 | 0°♑ | | | -12801 Jun 15 j 22:37 | 0°♋ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | |
|---------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|----------------------------|
| asc. node | -12801 Jun 23 j 08:43 | 9° H 20'58 | evening set | -12798 Feb 03 j 11:39 | 19° M 50'42 | |
| | -12801 Jul 09 j 16:59 | 0° Y | inferior conj | -12798 Feb 07 j 06:42 | 17° M 32'31 | 8°07'25 |
| | -12801 Aug 02 j 10:51 | 0° B | minimum elong | -12798 Feb 07 j 08:24 | 17° M 29'53 | 8°06'45 |
| morning set | -12801 Aug 09 j 10:44 | 8° B 48'59 | min. Earth dist. | -12798 Feb 08 j 07:20 | 16° M 54'24 | 0.29186 AU |
| | -12801 Aug 26 j 07:36 | 0° II | morning rise | -12798 Feb 11 j 04:49 | 15° M 08'35 | |
| | -12801 Sep 19 j 09:04 | 0° E | direct | -12798 Mar 01 j 06:24 | 9° M 06'42 | |
| | | | greatest brilliancy | -12798 Mar 12 j 07:13 | 11° M 15'53 | -4.8m |
| superior conj | -12801 Sep 21 j 01:43 | 2° E 06'05 | 0°50'05 | desc. node | -12798 Apr 01 j 02:39 | 23° M 10'55 |
| minimum elong | -12801 Sep 21 j 12:55 | 2° E 40'50 | 0°50'29 | | -12798 Apr 09 j 06:32 | 0° A |
| max. Earth dist. | -12801 Sep 27 j 13:45 | 10° E 09'32 | 1.72365 AU | morning max el | -12798 Apr 20 j 01:05 | 10° A 04'01 |
| | -12801 Oct 13 j 15:17 | 0° O | | | -12798 May 09 j 03:56 | 0° B |
| desc. node | -12801 Oct 14 j 21:59 | 1° O 34'33 | | | -12798 Jun 04 j 10:20 | 0° \approx |
| evening rise | -12801 Nov 01 j 22:54 | 23° O 45'31 | | | -12798 Jun 29 j 07:32 | 0° H |
| | -12801 Nov 07 j 00:56 | 0° M | asc. node | -12798 Jul 20 j 22:54 | 26° H 44'53 | |
| | -12801 Dec 01 j 12:44 | 0° A | | -12798 Jul 23 j 13:35 | 0° Y | |
| | -12801 Dec 26 j 02:59 | 0° M | | -12798 Aug 16 j 14:04 | 0° B | |
| | -12800 Jan 19 j 22:15 | 0° A | | -12798 Sep 09 j 15:06 | 0° II | |
| asc. node | -12800 Feb 02 j 21:54 | 16° A 43'51 | | -12798 Oct 03 j 20:01 | 0° E | |
| | -12800 Feb 14 j 02:50 | 0° B | morning set | -12798 Oct 25 j 19:22 | 27° E 02'04 | |
| | -12800 Mar 10 j 22:33 | 0° \approx | | -12798 Oct 28 j 05:23 | 0° O | |
| | -12800 Apr 06 j 20:34 | 0° H | desc. node | -12798 Nov 11 j 11:18 | 17° O 27'06 | |
| evening max el | -12800 Apr 27 j 03:52 | 21° H 04'06 | 47°10'04 | | -12798 Nov 21 j 17:26 | 0° M |
| | -12800 May 06 j 12:51 | 0° Y | | max. Earth dist. | -12798 Dec 03 j 12:08 | 14° M 25'00 |
| desc. node | -12800 May 26 j 21:27 | 16° Y 08'07 | | | | 1.73780 AU |
| greatest brilliancy | -12800 Jun 07 j 04:33 | 21° Y 46'25 | -4.9m | superior conj | -12798 Dec 04 j 13:34 | 15° M 42'48 |
| retrograde | -12800 Jun 16 j 16:57 | 23° Y 28'19 | | minimum elong | -12798 Dec 04 j 05:10 | 15° M 17'08 |
| evening set | -12800 Jul 03 j 11:04 | 18° Y 04'56 | | | -12798 Dec 16 j 05:32 | 0° A |
| min. Earth dist. | -12800 Jul 06 j 13:08 | 16° Y 14'16 | 0.26493 AU | evening rise | -12797 Jan 09 j 23:46 | 0° M 23'21 |
| inferior conj | -12800 Jul 07 j 10:52 | 15° Y 41'07 | -8°07'13 | | -12797 Jan 09 j 16:10 | 0° M |
| minimum elong | -12800 Jul 07 j 03:54 | 15° Y 51'46 | 8°06'12 | greatest brilliancy | -12797 Jan 20 j 20:47 | 13° M 45'31 |
| morning rise | -12800 Jul 10 j 20:54 | 13° Y 38'04 | | | -12797 Feb 03 j 01:45 | 0° A |
| direct | -12800 Jul 27 j 14:17 | 8° Y 12'18 | | | -12797 Feb 27 j 12:14 | 0° B |
| greatest brilliancy | -12800 Aug 06 j 10:09 | 10° Y 03'05 | -4.9m | asc. node | -12797 Mar 02 j 08:45 | 3° B 29'48 |
| | -12800 Sep 04 j 06:42 | 0° B | | | -12797 Mar 24 j 01:44 | 0° \approx |
| asc. node | -12800 Sep 14 j 23:10 | 10° B 18'09 | | | -12797 Apr 17 j 20:02 | 0° H |
| morning max el | -12800 Sep 15 j 18:55 | 11° B 07'58 | 46°23'56 | | -12797 May 12 j 21:50 | 0° Y |
| | -12800 Oct 03 j 15:19 | 0° II | | | -12797 Jun 07 j 14:23 | 0° B |
| | -12800 Oct 30 j 07:05 | 0° E | | desc. node | -12797 Jun 24 j 06:53 | 18° B 43'55 |
| | -12800 Nov 25 j 04:15 | 0° O | | | -12797 Jul 04 j 18:51 | 0° II |
| | -12800 Dec 20 j 17:16 | 0° M | | evening max el | -12797 Jul 09 j 07:52 | 4° II 41'54 |
| desc. node | -12799 Jan 06 j 13:32 | 19° M 58'33 | | | -12797 Aug 06 j 20:03 | 0° E |
| | -12799 Jan 14 j 22:59 | 0° A | | greatest brilliancy | -12797 Aug 19 j 21:50 | 7° E 06'56 |
| | -12799 Feb 08 j 19:58 | 0° M | | retrograde | -12797 Aug 29 j 17:18 | 9° E 00'04 |
| | -12799 Mar 05 j 07:46 | 0° A | | evening set | -12797 Sep 14 j 18:51 | 3° E 43'50 |
| morning set | -12799 Mar 14 j 17:28 | 11° A 37'59 | | min. Earth dist. | -12797 Sep 19 j 03:57 | 0° E 59'01 |
| | -12799 Mar 29 j 11:49 | 0° B | | inferior conj | -12797 Sep 19 j 15:19 | 0° E 40'44 |
| max. Earth dist. | -12799 Apr 15 j 08:46 | 21° B 06'52 | 1.71713 AU | minimum elong | -12797 Sep 20 j 00:15 | 0° E 26'22 |
| | | | | | -12797 Sep 20 j 16:41 | 30° R II |
| superior conj | -12799 Apr 19 j 02:34 | 25° B 48'35 | -0°18'49 | morning rise | -12797 Sep 25 j 06:11 | 27° II 12'10 |
| minimum elong | -12799 Apr 19 j 06:21 | 26° B 00'30 | 0°19'23 | direct | -12797 Oct 10 j 04:59 | 22° II 37'36 |
| | -12799 Apr 22 j 10:38 | 0° \approx | | asc. node | -12797 Oct 13 j 10:34 | 22° II 50'14 |
| asc. node | -12799 Apr 27 j 06:59 | 6° \approx 05'32 | | greatest brilliancy | -12797 Oct 19 j 11:16 | 24° II 16'03 |
| | -12799 May 16 j 06:54 | 0° H | | | -12797 Oct 31 j 00:34 | 0° E |
| evening rise | -12799 May 26 j 08:46 | 12° H 41'28 | | morning max el | -12797 Nov 28 j 09:34 | 23° E 33'06 |
| | -12799 Jun 09 j 02:53 | 0° Y | | | -12797 Dec 04 j 22:53 | 0° O |
| | -12799 Jul 03 j 00:40 | 0° B | | | -12796 Jan 02 j 08:54 | 0° M |
| | -12799 Jul 27 j 02:22 | 0° II | | | -12796 Jan 29 j 01:46 | 0° A |
| desc. node | -12799 Aug 19 j 00:33 | 28° II 17'16 | | desc. node | -12796 Feb 04 j 03:35 | 6° A 59'48 |
| | -12799 Aug 20 j 10:04 | 0° E | | | -12796 Feb 23 j 19:07 | 0° M |
| | -12799 Sep 14 j 02:13 | 0° O | | | -12796 Mar 19 j 18:40 | 0° A |
| | -12799 Oct 09 j 07:38 | 0° M | | | -12796 Apr 13 j 04:31 | 0° B |
| | -12799 Nov 04 j 15:01 | 0° A | | | -12796 May 07 j 04:50 | 0° \approx |
| evening max el | -12799 Nov 29 j 18:53 | 26° A 13'48 | 44°53'24 | morning set | -12796 May 21 j 23:13 | 18° \approx 36'18 |
| | -12799 Dec 03 j 18:11 | 0° M | | asc. node | -12796 May 24 j 20:35 | 22° \approx 15'17 |
| asc. node | -12799 Dec 08 j 04:44 | 4° M 03'01 | | | -12796 May 30 j 23:38 | 0° H |
| greatest brilliancy | -12798 Jan 06 j 02:51 | 23° M 31'15 | -4.7m | | -12796 Jun 23 j 16:25 | 0° Y |
| retrograde | -12798 Jan 16 j 20:52 | 25° M 35'25 | | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|---------------------------------|------------|---------------------|-----------------------|-------------------------|------------|
| superior conj | -12796 Jun 30 j 09:09 | 8° Υ 28'24 | 1°10'54 | morning rise | -12794 Dec 03 j 15:51 | 6° \mathbb{M} 09'38 | |
| minimum elong | -12796 Jun 29 j 23:22 | 7° Υ 57'30 | 1°10'46 | direct | -12794 Dec 19 j 19:49 | 1° \mathbb{M} 05'56 | |
| max. Earth dist. | -12796 Jul 03 j 21:42 | 12° Υ 55'42 | 1.70725 AU | greatest brilliancy | -12794 Dec 28 j 22:36 | 2° \mathbb{M} 36'41 | -4.7m |
| | -12796 Jul 17 j 10:11 | 0° \mathcal{B} | | | -12793 Feb 05 j 22:03 | 0° \mathcal{B} | |
| | -12796 Aug 10 j 07:22 | 0° \mathbb{I} | | morning max el | -12793 Feb 06 j 14:32 | 0° \mathcal{B} 38'52 | 46°04'59 |
| evening rise | -12796 Aug 11 j 17:27 | 1° \mathbb{I} 46'35 | | desc. node | -12793 Mar 03 j 16:53 | 26° \mathcal{B} 10'31 | |
| | -12796 Sep 03 j 09:24 | 0° \mathcal{B} | | | -12793 Mar 07 j 05:40 | 0° \mathbb{M} | |
| desc. node | -12796 Sep 15 j 11:52 | 14° \mathcal{B} 58'29 | | | -12793 Apr 02 j 19:23 | 0° \mathcal{X} | |
| | -12796 Sep 27 j 16:42 | 0° \mathcal{Q} | | | -12793 Apr 28 j 00:47 | 0° \mathcal{B} | |
| | -12796 Oct 22 j 05:23 | 0° \mathbb{M} | | | -12793 May 22 j 11:06 | 0° \approx | |
| | -12796 Nov 16 j 01:02 | 0° \mathcal{B} | | | -12793 Jun 15 j 10:23 | 0° \mathcal{H} | |
| | -12796 Dec 11 j 08:52 | 0° \mathbb{M} | | asc. node | -12793 Jun 22 j 10:51 | 8° \mathcal{H} 50'44 | |
| asc. node | -12795 Jan 04 j 14:14 | 27° \mathbb{M} 40'07 | | | -12793 Jul 09 j 04:37 | 0° Υ | |
| | -12795 Jan 06 j 16:38 | 0° \mathcal{X} | | | -12793 Aug 01 j 22:23 | 0° \mathcal{B} | |
| | -12795 Feb 04 j 04:55 | 0° \mathcal{B} | | morning set | -12793 Aug 06 j 19:36 | 6° \mathcal{B} 09'30 | |
| evening max el | -12795 Feb 09 j 21:31 | 5° \mathcal{B} 29'19 | 45°16'57 | | -12793 Aug 25 j 19:03 | 0° \mathbb{I} | |
| | -12795 Mar 13 j 18:09 | 0° \approx | | | | | |
| greatest brilliancy | -12795 Mar 20 j 16:17 | 2° \approx 56'45 | -4.8m | superior conj | -12793 Sep 18 j 10:39 | 29° \mathbb{I} 29'33 | 0°53'07 |
| retrograde | -12795 Mar 30 j 12:14 | 4° \approx 38'21 | | minimum elong | -12793 Sep 18 j 22:09 | 0° \mathcal{B} 05'16 | 0°53'33 |
| evening set | -12795 Apr 14 j 06:55 | 0° \approx 34'55 | | | -12793 Sep 18 j 20:27 | 0° \mathcal{B} | |
| | -12795 Apr 15 j 09:25 | 30° \mathcal{R} \mathcal{B} | | max. Earth dist. | -12793 Sep 25 j 04:46 | 7° \mathcal{B} 52'12 | 1.72293 AU |
| inferior conj | -12795 Apr 20 j 10:10 | 27° \mathcal{B} 07'17 | 1°56'56 | | -12793 Oct 13 j 02:38 | 0° \mathcal{Q} | |
| minimum elong | -12795 Apr 20 j 14:29 | 27° \mathcal{B} 00'54 | 1°54'55 | desc. node | -12793 Oct 14 j 00:05 | 1° \mathcal{Q} 06'04 | |
| min. Earth dist. | -12795 Apr 21 j 05:46 | 26° \mathcal{B} 38'23 | 0.26995 AU | evening rise | -12793 Oct 30 j 12:05 | 21° \mathcal{Q} 23'45 | |
| morning rise | -12795 Apr 26 j 21:12 | 23° \mathcal{B} 28'23 | | | -12793 Nov 06 j 12:17 | 0° \mathbb{M} | |
| desc. node | -12795 Apr 28 j 13:34 | 22° \mathcal{B} 38'32 | | | -12793 Dec 01 j 00:09 | 0° \mathcal{B} | |
| direct | -12795 May 11 j 11:44 | 19° \mathcal{B} 26'00 | | | -12793 Dec 25 j 14:38 | 0° \mathbb{M} | |
| greatest brilliancy | -12795 May 23 j 03:10 | 21° \mathcal{B} 54'51 | -4.9m | | -12792 Jan 19 j 10:25 | 0° \mathcal{X} | |
| | -12795 Jun 06 j 01:20 | 0° \approx | | asc. node | -12792 Feb 02 j 00:22 | 16° \mathcal{X} 13'33 | |
| morning max el | -12795 Jul 01 j 01:26 | 22° \approx 21'29 | 46°39'31 | | -12792 Feb 13 j 15:59 | 0° \mathcal{B} | |
| | -12795 Jul 08 j 09:29 | 0° \mathcal{H} | | | -12792 Mar 10 j 13:32 | 0° \approx | |
| | -12795 Aug 04 j 02:44 | 0° Υ | | | -12792 Apr 06 j 15:19 | 0° \mathcal{H} | |
| asc. node | -12795 Aug 17 j 12:50 | 15° Υ 50'06 | | evening max el | -12792 Apr 24 j 15:42 | 18° \mathcal{H} 34'48 | 47°06'15 |
| | -12795 Aug 29 j 08:16 | 0° \mathcal{B} | | | -12792 May 06 j 19:21 | 0° Υ | |
| | -12795 Sep 23 j 02:11 | 0° \mathbb{I} | | desc. node | -12792 May 25 j 23:42 | 14° Υ 35'23 | |
| | -12795 Oct 17 j 18:27 | 0° \mathcal{B} | | greatest brilliancy | -12792 Jun 04 j 16:42 | 19° Υ 14'31 | -4.9m |
| | -12795 Nov 11 j 12:27 | 0° \mathcal{Q} | | retrograde | -12792 Jun 14 j 04:28 | 20° Υ 56'06 | |
| | -12795 Dec 06 j 07:26 | 0° \mathbb{M} | | evening set | -12792 Jun 30 j 19:01 | 15° Υ 39'19 | |
| desc. node | -12795 Dec 09 j 01:24 | 3° \mathbb{M} 19'40 | | min. Earth dist. | -12792 Jul 04 j 01:44 | 13° Υ 42'23 | 0.26465 AU |
| | -12795 Dec 31 j 00:35 | 0° \mathcal{B} | | inferior conj | -12792 Jul 04 j 22:51 | 13° Υ 10'18 | -7°57'40 |
| morning set | -12794 Jan 04 j 22:33 | 5° \mathcal{B} 59'19 | | minimum elong | -12792 Jul 04 j 15:11 | 13° Υ 21'57 | 7°56'31 |
| | -12794 Jan 24 j 13:27 | 0° \mathbb{M} | | morning rise | -12792 Jul 08 j 11:30 | 11° Υ 03'44 | |
| max. Earth dist. | -12794 Feb 05 j 04:14 | 14° \mathbb{M} 17'30 | 1.73392 AU | direct | -12792 Jul 25 j 01:43 | 5° Υ 41'56 | |
| | | | | greatest brilliancy | -12792 Aug 04 j 00:06 | 7° Υ 34'39 | -4.9m |
| superior conj | -12794 Feb 09 j 15:50 | 19° \mathbb{M} 49'18 | -1°18'47 | | -12792 Sep 04 j 11:21 | 0° \mathcal{B} | |
| minimum elong | -12794 Feb 09 j 18:34 | 19° \mathbb{M} 57'45 | 1°19'24 | morning max el | -12792 Sep 13 j 07:07 | 8° \mathcal{B} 38'27 | 46°24'49 |
| | -12794 Feb 17 j 21:27 | 0° \mathcal{X} | | asc. node | -12792 Sep 14 j 01:25 | 9° \mathcal{B} 24'50 | |
| | -12794 Mar 14 j 01:49 | 0° \mathcal{B} | | | -12792 Oct 03 j 09:25 | 0° \mathbb{I} | |
| evening rise | -12794 Mar 16 j 12:37 | 3° \mathcal{B} 02'45 | | | -12792 Oct 29 j 21:54 | 0° \mathcal{B} | |
| asc. node | -12794 Mar 29 j 20:29 | 19° \mathcal{B} 37'41 | | | -12792 Nov 24 j 17:29 | 0° \mathcal{Q} | |
| | -12794 Apr 07 j 04:32 | 0° \approx | | | -12792 Dec 20 j 05:34 | 0° \mathbb{M} | |
| | -12794 May 01 j 07:22 | 0° \mathcal{H} | | desc. node | -12791 Jan 05 j 15:43 | 19° \mathbb{M} 29'40 | |
| | -12794 May 25 j 11:54 | 0° Υ | | | -12791 Jan 14 j 10:41 | 0° \mathcal{B} | |
| | -12794 Jun 18 j 20:16 | 0° \mathcal{B} | | | -12791 Feb 08 j 07:17 | 0° \mathbb{M} | |
| | -12794 Jul 13 j 12:03 | 0° \mathbb{I} | | | -12791 Mar 04 j 18:51 | 0° \mathcal{X} | |
| desc. node | -12794 Jul 21 j 16:32 | 9° \mathbb{I} 49'56 | | morning set | -12791 Mar 12 j 12:58 | 9° \mathcal{X} 35'23 | |
| | -12794 Aug 07 j 17:51 | 0° \mathcal{B} | | | -12791 Mar 28 j 22:50 | 0° \mathcal{B} | |
| | -12794 Sep 03 j 05:05 | 0° \mathcal{Q} | | max. Earth dist. | -12791 Apr 13 j 02:51 | 18° \mathcal{B} 58'22 | 1.71773 AU |
| evening max el | -12794 Sep 18 j 00:10 | 15° \mathcal{Q} 33'51 | 46°21'03 | | | | |
| | -12794 Oct 03 j 07:23 | 0° \mathbb{M} | | superior conj | -12791 Apr 16 j 20:24 | 23° \mathcal{B} 39'11 | -0°21'50 |
| greatest brilliancy | -12794 Oct 26 j 16:48 | 15° \mathbb{M} 38'28 | -4.8m | minimum elong | -12791 Apr 17 j 00:43 | 23° \mathcal{B} 52'42 | 0°22'23 |
| retrograde | -12794 Nov 06 j 22:24 | 18° \mathbb{M} 00'25 | | | -12791 Apr 21 j 21:44 | 0° \approx | |
| asc. node | -12794 Nov 09 j 21:11 | 17° \mathbb{M} 49'42 | | asc. node | -12791 Apr 26 j 09:09 | 5° \approx 37'26 | |
| evening set | -12794 Nov 22 j 03:04 | 13° \mathbb{M} 21'46 | | | -12791 May 15 j 18:09 | 0° \mathcal{H} | |
| inferior conj | -12794 Nov 28 j 04:31 | 9° \mathbb{M} 35'17 | 3°59'49 | evening rise | -12791 May 23 j 23:26 | 10° \mathcal{H} 21'00 | |
| minimum elong | -12794 Nov 27 j 21:15 | 9° \mathbb{M} 47'04 | 3°58'19 | | -12791 Jun 08 j 14:19 | 0° Υ | |
| min. Earth dist. | -12794 Nov 27 j 21:17 | 9° \mathbb{M} 47'00 | 0.29196 AU | | -12791 Jul 02 j 12:19 | 0° \mathcal{B} | |

| | | | | | | | | |
|---------------------|-----------------------|---------------------|------------|---------------------|-----------------------|--------------------|------------|--|
| | -12791 Jul 26 j 14:14 | 0° II | | | -12788 Jan 28 j 14:57 | 0° 𐤁 | | |
| desc. node | -12791 Aug 18 j 02:52 | 27° II 47'03 | | desc. node | -12788 Feb 03 j 05:49 | 6° 𐤁 28'57 | | |
| | -12791 Aug 19 j 22:15 | 0° 𐤆 | | | -12788 Feb 23 j 07:15 | 0° 𐤍 | | |
| | -12791 Sep 13 j 14:57 | 0° 𐤒 | | | -12788 Mar 19 j 06:14 | 0° 𐤔 | | |
| | -12791 Oct 08 j 21:25 | 0° 𐤎 | | | -12788 Apr 12 j 15:48 | 0° 𐤆 | | |
| | -12791 Nov 04 j 07:17 | 0° 𐤁 | | | -12788 May 06 j 16:00 | 0° 𐤗 | | |
| evening max el | -12791 Nov 27 j 10:40 | 24° 𐤁 02'27 | 44°54'49 | morning set | -12788 May 19 j 14:26 | 16° 𐤗 17'45 | | |
| | -12791 Dec 03 j 18:47 | 0° 𐤍 | | asc. node | -12788 May 23 j 22:47 | 21° 𐤗 47'09 | | |
| asc. node | -12791 Dec 07 j 07:02 | 3° 𐤍 08'28 | | | -12788 May 30 j 10:45 | 0° 𐤕 | | |
| greatest brilliancy | -12790 Jan 03 j 17:09 | 21° 𐤍 21'22 | -4.7m | | -12788 Jun 23 j 03:32 | 0° 𐤙 | | |
| retrograde | -12790 Jan 14 j 13:42 | 23° 𐤍 27'42 | | | | | | |
| evening set | -12790 Feb 01 j 03:47 | 17° 𐤍 42'09 | | superior conj | -12788 Jun 27 j 20:20 | 5° 𐤙 56'47 | 1°08'51 | |
| inferior conj | -12790 Feb 04 j 23:00 | 15° 𐤍 23'26 | 8°08'35 | minimum elong | -12788 Jun 27 j 10:16 | 5° 𐤙 24'58 | 1°08'41 | |
| minimum elong | -12790 Feb 05 j 00:01 | 15° 𐤍 21'53 | 8°08'00 | max. Earth dist. | -12788 Jul 01 j 01:41 | 10° 𐤙 01'22 | 1.70711 AU | |
| min. Earth dist. | -12790 Feb 05 j 22:15 | 14° 𐤍 47'27 | 0.29234 AU | | -12788 Jul 16 j 21:21 | 0° 𐤕 | | |
| morning rise | -12790 Feb 08 j 19:58 | 13° 𐤍 01'09 | | evening rise | -12788 Aug 09 j 00:38 | 29° 𐤕 03'46 | | |
| direct | -12790 Feb 26 j 23:15 | 6° 𐤍 56'43 | | | -12788 Aug 09 j 18:37 | 0° II | | |
| greatest brilliancy | -12790 Mar 09 j 21:46 | 9° 𐤍 04'11 | -4.7m | | -12788 Sep 02 j 20:44 | 0° 𐤆 | | |
| desc. node | -12790 Mar 31 j 04:43 | 22° 𐤍 06'28 | | desc. node | -12788 Sep 14 j 13:57 | 14° 𐤆 29'52 | | |
| | -12790 Apr 09 j 09:42 | 0° 𐤔 | | | -12788 Sep 27 j 04:08 | 0° 𐤒 | | |
| morning max el | -12790 Apr 17 j 17:58 | 7° 𐤔 52'57 | 46°25'55 | | -12788 Oct 21 j 17:03 | 0° 𐤎 | | |
| | -12790 May 08 j 21:08 | 0° 𐤆 | | | -12788 Nov 15 j 13:12 | 0° 𐤁 | | |
| | -12790 Jun 04 j 00:38 | 0° 𐤗 | | | -12788 Dec 10 j 22:05 | 0° 𐤍 | | |
| | -12790 Jun 28 j 20:34 | 0° 𐤕 | | asc. node | -12787 Jan 03 j 16:42 | 27° 𐤍 04'31 | | |
| asc. node | -12790 Jul 20 j 01:14 | 26° 𐤕 13'33 | | | -12787 Jan 06 j 08:12 | 0° 𐤔 | | |
| | -12790 Jul 23 j 01:56 | 0° 𐤙 | | | -12787 Feb 04 j 02:56 | 0° 𐤆 | | |
| | -12790 Aug 16 j 02:01 | 0° 𐤕 | | evening max el | -12787 Feb 07 j 11:14 | 3° 𐤆 11'58 | 45°14'06 | |
| | -12790 Sep 09 j 02:46 | 0° II | | | -12787 Mar 16 j 12:38 | 0° 𐤗 | | |
| | -12790 Oct 03 j 07:28 | 0° 𐤆 | | greatest brilliancy | -12787 Mar 18 j 04:59 | 0° 𐤗 35'46 | -4.8m | |
| morning set | -12790 Oct 23 j 07:38 | 24° 𐤆 37'49 | | retrograde | -12787 Mar 27 j 23:43 | 2° 𐤗 16'22 | | |
| | -12790 Oct 27 j 16:38 | 0° 𐤒 | | | -12787 Apr 07 j 23:00 | 30° 𐤕 𐤆 | | |
| desc. node | -12790 Nov 10 j 13:25 | 16° 𐤒 59'32 | | evening set | -12787 Apr 11 j 21:11 | 28° 𐤆 10'38 | | |
| | -12790 Nov 21 j 04:30 | 0° 𐤎 | | inferior conj | -12787 Apr 17 j 22:42 | 24° 𐤆 45'03 | 2°18'39 | |
| max. Earth dist. | -12790 Dec 01 j 09:56 | 12° 𐤎 31'02 | 1.73763 AU | minimum elong | -12787 Apr 18 j 03:46 | 24° 𐤆 37'34 | 2°16'26 | |
| | | | | min. Earth dist. | -12787 Apr 18 j 20:05 | 24° 𐤆 13'27 | 0.27062 AU | |
| superior conj | -12790 Dec 02 j 05:34 | 13° 𐤎 31'07 | -0°45'40 | morning rise | -12787 Apr 24 j 09:24 | 21° 𐤆 05'49 | | |
| minimum elong | -12790 Dec 01 j 21:20 | 13° 𐤎 05'57 | 0°45'07 | desc. node | -12787 Apr 27 j 15:51 | 19° 𐤆 32'49 | | |
| | -12790 Dec 15 j 16:32 | 0° 𐤁 | | direct | -12787 May 09 j 01:02 | 17° 𐤆 02'15 | | |
| evening rise | -12789 Jan 07 j 19:07 | 28° 𐤁 21'33 | | greatest brilliancy | -12787 May 20 j 17:31 | 19° 𐤆 31'20 | -4.9m | |
| | -12789 Jan 09 j 03:10 | 0° 𐤍 | | | -12787 Jun 06 j 19:39 | 0° 𐤗 | | |
| greatest brilliancy | -12789 Jan 19 j 17:19 | 13° 𐤍 00'50 | -3.9m | morning max el | -12787 Jun 28 j 13:49 | 19° 𐤗 52'41 | 46°39'43 | |
| | -12789 Feb 02 j 12:56 | 0° 𐤔 | | | -12787 Jul 08 j 05:33 | 0° 𐤕 | | |
| | -12789 Feb 26 j 23:46 | 0° 𐤆 | | | -12787 Aug 03 j 18:14 | 0° 𐤙 | | |
| asc. node | -12789 Mar 01 j 11:02 | 3° 𐤆 01'24 | | asc. node | -12787 Aug 16 j 15:00 | 15° 𐤙 13'43 | | |
| | -12789 Mar 23 j 13:48 | 0° 𐤗 | | | -12787 Aug 28 j 21:52 | 0° 𐤕 | | |
| | -12789 Apr 17 j 08:51 | 0° 𐤕 | | | -12787 Sep 22 j 14:47 | 0° II | | |
| | -12789 May 12 j 11:50 | 0° 𐤙 | | | -12787 Oct 17 j 06:24 | 0° 𐤆 | | |
| | -12789 Jun 07 j 06:29 | 0° 𐤕 | | | -12787 Nov 10 j 23:58 | 0° 𐤒 | | |
| desc. node | -12789 Jun 23 j 09:13 | 17° 𐤕 59'30 | | | -12787 Dec 05 j 18:37 | 0° 𐤎 | | |
| | -12789 Jul 04 j 16:02 | 0° II | | desc. node | -12787 Dec 08 j 03:36 | 2° 𐤎 52'36 | | |
| evening max el | -12789 Jul 07 j 00:28 | 2° II 24'55 | 47°53'17 | | -12787 Dec 30 j 11:31 | 0° 𐤁 | | |
| | -12789 Aug 08 j 00:52 | 0° 𐤆 | | morning set | -12786 Jan 02 j 16:14 | 3° 𐤁 53'41 | | |
| greatest brilliancy | -12789 Aug 17 j 13:37 | 4° 𐤆 46'22 | -4.9m | | -12786 Jan 24 j 00:15 | 0° 𐤍 | | |
| retrograde | -12789 Aug 27 j 09:20 | 6° 𐤆 39'19 | | max. Earth dist. | -12786 Feb 02 j 23:32 | 12° 𐤍 15'55 | 1.73433 AU | |
| evening set | -12789 Sep 12 j 12:51 | 1° 𐤆 19'20 | | | | | | |
| | -12789 Sep 14 j 16:16 | 30° 𐤕 II | | superior conj | -12786 Feb 07 j 11:42 | 17° 𐤍 49'17 | -1°19'16 | |
| inferior conj | -12789 Sep 17 j 06:33 | 28° II 20'24 | -5°34'30 | minimum elong | -12786 Feb 07 j 13:55 | 17° 𐤍 56'08 | 1°19'52 | |
| minimum elong | -12789 Sep 17 j 15:41 | 28° II 05'44 | 5°31'33 | | -12786 Feb 17 j 08:15 | 0° 𐤔 | | |
| min. Earth dist. | -12789 Sep 16 j 18:32 | 28° II 39'44 | 0.27701 AU | | -12786 Mar 13 j 12:43 | 0° 𐤆 | | |
| morning rise | -12789 Sep 22 j 19:08 | 24° II 55'41 | | evening rise | -12786 Mar 14 j 08:02 | 0° 𐤆 59'58 | | |
| direct | -12789 Oct 07 j 20:05 | 20° II 18'38 | | asc. node | -12786 Mar 28 j 22:38 | 19° 𐤆 09'58 | | |
| asc. node | -12789 Oct 12 j 12:47 | 20° II 45'05 | | | -12786 Apr 06 j 15:41 | 0° 𐤗 | | |
| greatest brilliancy | -12789 Oct 17 j 01:27 | 21° II 56'47 | -4.8m | | -12786 Apr 30 j 18:52 | 0° 𐤕 | | |
| | -12789 Nov 01 j 02:06 | 0° 𐤆 | | | -12786 May 24 j 23:50 | 0° 𐤙 | | |
| morning max el | -12789 Nov 26 j 01:45 | 21° 𐤆 21'06 | 46°04'35 | | -12786 Jun 18 j 08:42 | 0° 𐤕 | | |
| | -12789 Dec 04 j 19:11 | 0° 𐤒 | | | -12786 Jul 13 j 01:13 | 0° II | | |
| | -12788 Jan 02 j 00:09 | 0° 𐤎 | | desc. node | -12786 Jul 20 j 18:54 | 9° II 16'38 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12786 Aug 07 j 08:20 | 0°☿ | | | -12783 Mar 04 j 05:46 | 0°♁ | |
| | -12786 Sep 02 j 22:41 | 0°♁ | | morning set | -12783 Mar 10 j 08:29 | 7°♁33'24 | |
| evening max el | -12786 Sep 15 j 14:59 | 13°♁16'55 | 46°24'57 | | -12783 Mar 28 j 09:43 | 0°♁ | |
| | -12786 Oct 03 j 13:40 | 0°♁ | | max. Earth dist. | -12783 Apr 10 j 19:41 | 16°♁46'25 | 1.71833 AU |
| greatest brilliancy | -12786 Oct 24 j 11:51 | 13°♁32'10 | -4.8m | | | | |
| retrograde | -12786 Nov 04 j 15:46 | 15°♁53'09 | | superior conj | -12783 Apr 14 j 14:14 | 21°♁30'15 | -0°24'49 |
| asc. node | -12786 Nov 08 j 23:28 | 15°♁30'00 | | minimum elong | -12783 Apr 14 j 19:02 | 21°♁45'18 | 0°25'22 |
| evening set | -12786 Nov 19 j 19:37 | 11°♁15'51 | | | -12783 Apr 21 j 08:41 | 0°♁ | |
| inferior conj | -12786 Nov 25 j 22:09 | 7°♁27'54 | 3°43'45 | asc. node | -12783 Apr 25 j 11:26 | 5°♁10'05 | |
| minimum elong | -12786 Nov 25 j 15:14 | 7°♁39'06 | 3°42'20 | | -12783 May 15 j 05:15 | 0°♁ | |
| min. Earth dist. | -12786 Nov 25 j 14:48 | 7°♁39'48 | 0.29157 AU | evening rise | -12783 May 21 j 14:09 | 8°♁01'07 | |
| morning rise | -12786 Dec 01 j 11:15 | 3°♁59'23 | | | -12783 Jun 08 j 01:37 | 0°♁ | |
| | -12786 Dec 10 j 08:48 | 30°♁♁ | | | -12783 Jul 01 j 23:49 | 0°♁ | |
| direct | -12786 Dec 17 j 12:07 | 28°♁58'58 | | | -12783 Jul 26 j 02:01 | 0°♁ | |
| | -12786 Dec 24 j 22:33 | 0°♁ | | desc. node | -12783 Aug 17 j 04:59 | 27°♁16'27 | |
| greatest brilliancy | -12786 Dec 26 j 15:33 | 0°♁29'58 | -4.7m | | -12783 Aug 19 j 10:23 | 0°♁ | |
| morning max el | -12785 Feb 04 j 06:12 | 28°♁29'34 | 46°04'31 | | -12783 Sep 13 j 03:38 | 0°♁ | |
| | -12785 Feb 05 j 20:15 | 0°♁ | | | -12783 Oct 08 j 11:10 | 0°♁ | |
| desc. node | -12785 Mar 02 j 18:54 | 25°♁32'29 | | | -12783 Nov 03 j 23:35 | 0°♁ | |
| | -12785 Mar 06 j 21:17 | 0°♁ | | evening max el | -12783 Nov 25 j 03:21 | 21°♁54'01 | 44°56'25 |
| | -12785 Apr 02 j 08:44 | 0°♁ | | | -12783 Dec 03 j 20:17 | 0°♁ | |
| | -12785 Apr 27 j 13:05 | 0°♁ | | asc. node | -12783 Dec 06 j 09:26 | 2°♁13'54 | |
| | -12785 May 21 j 22:51 | 0°♁ | | greatest brilliancy | -12782 Jan 01 j 08:00 | 19°♁13'23 | -4.7m |
| | -12785 Jun 14 j 21:53 | 0°♁ | | retrograde | -12782 Jan 12 j 06:34 | 21°♁21'19 | |
| asc. node | -12785 Jun 21 j 13:05 | 8°♁21'41 | | evening set | -12782 Jan 29 j 20:00 | 15°♁35'36 | |
| | -12785 Jul 08 j 15:59 | 0°♁ | | inferior conj | -12782 Feb 02 j 15:38 | 13°♁15'50 | 8°09'07 |
| | -12785 Aug 01 j 09:40 | 0°♁ | | minimum elong | -12782 Feb 02 j 15:56 | 13°♁15'21 | 8°08'33 |
| morning set | -12785 Aug 04 j 04:36 | 3°♁31'06 | | min. Earth dist. | -12782 Feb 03 j 13:17 | 12°♁42'13 | 0.29281 AU |
| | -12785 Aug 25 j 06:14 | 0°♁ | | morning rise | -12782 Feb 06 j 11:38 | 10°♁54'43 | |
| | | | | direct | -12782 Feb 24 j 16:41 | 4°♁48'20 | |
| superior conj | -12785 Sep 15 j 19:48 | 26°♁54'30 | 0°56'03 | greatest brilliancy | -12782 Mar 07 j 12:08 | 6°♁53'19 | -4.7m |
| minimum elong | -12785 Sep 16 j 07:31 | 27°♁30'56 | 0°56'28 | desc. node | -12782 Mar 30 j 06:59 | 21°♁04'34 | |
| | -12785 Sep 18 j 07:32 | 0°♁ | | | -12782 Apr 09 j 11:15 | 0°♁ | |
| max. Earth dist. | -12785 Sep 22 j 17:43 | 5°♁29'20 | 1.72215 AU | morning max el | -12782 Apr 15 j 10:48 | 5°♁42'20 | 46°24'59 |
| | -12785 Oct 12 j 13:38 | 0°♁ | | | -12782 May 08 j 13:58 | 0°♁ | |
| desc. node | -12785 Oct 13 j 02:17 | 0°♁38'58 | | | -12782 Jun 03 j 14:48 | 0°♁ | |
| evening rise | -12785 Oct 28 j 01:21 | 19°♁03'19 | | | -12782 Jun 28 j 09:31 | 0°♁ | |
| | -12785 Nov 05 j 23:17 | 0°♁ | | asc. node | -12782 Jul 19 j 03:23 | 25°♁41'50 | |
| | -12785 Nov 30 j 11:15 | 0°♁ | | | -12782 Jul 22 j 14:13 | 0°♁ | |
| | -12785 Dec 25 j 02:01 | 0°♁ | | | -12782 Aug 15 j 13:54 | 0°♁ | |
| | -12784 Jan 18 j 22:22 | 0°♁ | | | -12782 Sep 08 j 14:23 | 0°♁ | |
| asc. node | -12784 Feb 01 j 02:37 | 15°♁43'13 | | | -12782 Oct 02 j 18:52 | 0°♁ | |
| | -12784 Feb 13 j 04:59 | 0°♁ | | morning set | -12782 Oct 20 j 19:52 | 22°♁13'22 | |
| | -12784 Mar 10 j 04:28 | 0°♁ | | | -12782 Oct 27 j 03:52 | 0°♁ | |
| | -12784 Apr 06 j 10:17 | 0°♁ | | desc. node | -12782 Nov 09 j 15:40 | 16°♁32'21 | |
| evening max el | -12784 Apr 22 j 03:49 | 16°♁07'10 | 47°02'30 | | -12782 Nov 20 j 15:34 | 0°♁ | |
| | -12784 May 07 j 03:51 | 0°♁ | | | | | |
| desc. node | -12784 May 25 j 02:01 | 12°♁59'58 | | superior conj | -12782 Nov 29 j 21:31 | 11°♁19'21 | -0°43'01 |
| greatest brilliancy | -12784 Jun 02 j 04:16 | 16°♁42'33 | -4.9m | minimum elong | -12782 Nov 29 j 13:31 | 10°♁54'50 | 0°42'25 |
| retrograde | -12784 Jun 11 j 16:19 | 18°♁24'33 | | max. Earth dist. | -12782 Nov 29 j 08:46 | 10°♁40'20 | 1.73739 AU |
| evening set | -12784 Jun 28 j 02:45 | 13°♁14'01 | | | -12782 Dec 15 j 03:28 | 0°♁ | |
| min. Earth dist. | -12784 Jul 01 j 14:03 | 11°♁11'03 | 0.26441 AU | evening rise | -12781 Jan 05 j 14:37 | 26°♁20'26 | |
| inferior conj | -12784 Jul 02 j 10:42 | 10°♁39'49 | -7°47'10 | | -12781 Jan 08 j 14:07 | 0°♁ | |
| minimum elong | -12784 Jul 02 j 02:26 | 10°♁52'20 | 7°45'52 | greatest brilliancy | -12781 Jan 18 j 14:43 | 12°♁19'01 | -3.9m |
| morning rise | -12784 Jul 06 j 02:14 | 8°♁29'35 | | | -12781 Feb 02 j 00:04 | 0°♁ | |
| direct | -12784 Jul 22 j 13:28 | 3°♁11'43 | | | -12781 Feb 26 j 11:17 | 0°♁ | |
| greatest brilliancy | -12784 Aug 01 j 13:45 | 5°♁06'17 | -4.9m | asc. node | -12781 Feb 28 j 13:14 | 2°♁32'47 | |
| | -12784 Sep 04 j 14:06 | 0°♁ | | | -12781 Mar 23 j 01:54 | 0°♁ | |
| morning max el | -12784 Sep 10 j 20:25 | 6°♁12'09 | 46°25'50 | | -12781 Apr 16 j 21:48 | 0°♁ | |
| asc. node | -12784 Sep 13 j 03:31 | 8°♁32'42 | | | -12781 May 12 j 02:05 | 0°♁ | |
| | -12784 Oct 03 j 02:54 | 0°♁ | | | -12781 Jun 06 j 23:01 | 0°♁ | |
| | -12784 Oct 29 j 12:18 | 0°♁ | | desc. node | -12781 Jun 22 j 11:32 | 17°♁13'59 | |
| | -12784 Nov 24 j 06:22 | 0°♁ | | evening max el | -12781 Jul 04 j 17:04 | 0°♁07'21 | 47°54'15 |
| | -12784 Dec 19 j 17:33 | 0°♁ | | | -12781 Jul 04 j 14:12 | 0°♁ | |
| desc. node | -12783 Jan 04 j 17:53 | 19°♁01'39 | | | -12781 Aug 09 j 19:01 | 0°♁ | |
| | -12783 Jan 13 j 22:07 | 0°♁ | | greatest brilliancy | -12781 Aug 15 j 05:39 | 2°♁25'24 | -4.9m |
| | -12783 Feb 07 j 18:22 | 0°♁ | | retrograde | -12781 Aug 25 j 01:04 | 4°♁17'27 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-------------------------------|------------|---------------------|-----------------------|--------------------------------|------------|
| | -12781 Sep 08 j 09:33 | 30° RII | | minimum elong | -12778 Feb 05 j 09:21 | 15° M 53'57 | 1°20'14 |
| evening set | -12781 Sep 10 j 06:49 | 28° II 54'01 | | | -12778 Feb 16 j 19:19 | 0° X | |
| inferior conj | -12781 Sep 14 j 21:39 | 25° II 59'16 | -5°50'51 | evening rise | -12778 Mar 12 j 03:47 | 28° X 57'32 | |
| minimum elong | -12781 Sep 15 j 06:56 | 25° II 44'21 | 5°47'57 | | -12778 Mar 12 j 23:54 | 0° Z | |
| min. Earth dist. | -12781 Sep 14 j 09:06 | 26° II 19'26 | 0.27651 AU | asc. node | -12778 Mar 28 j 01:00 | 18° Z 42'12 | |
| morning rise | -12781 Sep 20 j 07:42 | 22° II 38'24 | | | -12778 Apr 06 j 03:04 | 0° \approx | |
| direct | -12781 Oct 05 j 10:58 | 17° II 58'59 | | | -12778 Apr 30 j 06:35 | 0° H | |
| asc. node | -12781 Oct 11 j 15:09 | 18° II 44'12 | | | -12778 May 24 j 12:00 | 0° Y | |
| greatest brilliancy | -12781 Oct 14 j 15:36 | 19° II 36'40 | -4.8m | | -12778 Jun 17 j 21:27 | 0° B | |
| | -12781 Nov 01 j 21:07 | 0° G | | | -12778 Jul 12 j 14:47 | 0° II | |
| morning max el | -12781 Nov 23 j 17:13 | 19° G 06'50 | 46°04'59 | desc. node | -12778 Jul 19 j 21:01 | 8° II 41'22 | |
| | -12781 Dec 04 j 15:00 | 0° Ω | | | -12778 Aug 06 j 23:23 | 0° G | |
| | -12780 Jan 01 j 15:17 | 0° M | | | -12778 Sep 02 j 17:13 | 0° Ω | |
| | -12780 Jan 28 j 04:06 | 0° $\underline{\Omega}$ | | evening max el | -12778 Sep 13 j 05:47 | 10° Ω 58'22 | 46°28'55 |
| desc. node | -12780 Feb 02 j 07:49 | 5° $\underline{\Omega}$ 57'23 | | | -12778 Oct 03 j 23:16 | 0° M | |
| | -12780 Feb 22 j 19:23 | 0° M | | greatest brilliancy | -12778 Oct 22 j 06:19 | 11° M 23'10 | -4.8m |
| | -12780 Mar 18 j 17:49 | 0° X | | retrograde | -12778 Nov 02 j 09:16 | 13° M 43'55 | |
| | -12780 Apr 12 j 03:08 | 0° Z | | asc. node | -12778 Nov 08 j 01:50 | 13° M 03'27 | |
| | -12780 May 06 j 03:14 | 0° \approx | | evening set | -12778 Nov 17 j 12:03 | 9° M 07'32 | |
| morning set | -12780 May 17 j 05:49 | 13° \approx 59'24 | | inferior conj | -12778 Nov 23 j 15:33 | 5° M 18'24 | 3°27'12 |
| asc. node | -12780 May 23 j 01:03 | 21° \approx 18'50 | | minimum elong | -12778 Nov 23 j 09:03 | 5° M 28'56 | 3°25'51 |
| | -12780 May 29 j 22:00 | 0° H | | min. Earth dist. | -12778 Nov 23 j 08:01 | 5° M 30'37 | 0.29116 AU |
| | -12780 Jun 22 j 14:51 | 0° Y | | morning rise | -12778 Nov 29 j 06:24 | 1° M 47'18 | |
| | | | | | -12778 Dec 02 j 13:55 | 30° $\text{R}\Omega$ | |
| superior conj | -12780 Jun 25 j 07:33 | 3° Y 24'38 | 1°06'41 | direct | -12778 Dec 15 j 04:10 | 26° Ω 49'49 | |
| minimum elong | -12780 Jun 24 j 21:18 | 2° Y 52'13 | 1°06'26 | greatest brilliancy | -12778 Dec 24 j 08:15 | 28° Ω 21'22 | -4.7m |
| max. Earth dist. | -12780 Jun 28 j 01:18 | 6° Y 52'30 | 1.70706 AU | | -12778 Dec 28 j 15:38 | 0° M | |
| | -12780 Jul 16 j 08:46 | 0° B | | morning max el | -12777 Feb 01 j 22:34 | 26° M 20'48 | 46°04'11 |
| evening rise | -12780 Aug 06 j 07:30 | 26° B 19'07 | | | -12777 Feb 05 j 18:08 | 0° $\underline{\Omega}$ | |
| | -12780 Aug 09 j 06:05 | 0° II | | desc. node | -12777 Mar 01 j 21:08 | 24° $\underline{\Omega}$ 54'22 | |
| | -12780 Sep 02 j 08:16 | 0° G | | | -12777 Mar 06 j 13:04 | 0° M | |
| desc. node | -12780 Sep 13 j 16:14 | 14° G 01'06 | | | -12777 Apr 01 j 22:19 | 0° X | |
| | -12780 Sep 26 j 15:47 | 0° Ω | | | -12777 Apr 27 j 01:36 | 0° Z | |
| | -12780 Oct 21 j 04:57 | 0° M | | | -12777 May 21 j 10:50 | 0° \approx | |
| | -12780 Nov 15 j 01:38 | 0° $\underline{\Omega}$ | | | -12777 Jun 14 j 09:36 | 0° H | |
| | -12780 Dec 10 j 11:38 | 0° M | | asc. node | -12777 Jun 20 j 15:15 | 7° H 51'47 | |
| asc. node | -12779 Jan 02 j 18:59 | 26° M 27'39 | | | -12777 Jul 08 j 03:34 | 0° Y | |
| | -12779 Jan 06 j 00:11 | 0° X | | | -12777 Jul 31 j 21:11 | 0° B | |
| | -12779 Feb 04 j 01:58 | 0° Z | | morning set | -12777 Aug 01 j 13:50 | 0° B 52'32 | |
| evening max el | -12779 Feb 05 j 00:24 | 0° Z 53'09 | 45°11'33 | | -12777 Aug 24 j 17:43 | 0° II | |
| greatest brilliancy | -12779 Mar 15 j 17:56 | 28° Z 15'42 | -4.8m | | | | |
| retrograde | -12779 Mar 25 j 11:29 | 29° Z 55'43 | | superior conj | -12777 Sep 13 j 04:29 | 24° II 16'41 | 0°58'53 |
| evening set | -12779 Apr 09 j 11:53 | 25° Z 47'06 | | minimum elong | -12777 Sep 13 j 16:19 | 24° II 53'29 | 0°59'18 |
| inferior conj | -12779 Apr 15 j 11:38 | 22° Z 35'55 | 2°39'41 | | -12777 Sep 17 j 18:59 | 0° G | |
| minimum elong | -12779 Apr 15 j 17:23 | 22° Z 15'23 | 2°37'17 | max. Earth dist. | -12777 Sep 20 j 02:56 | 2° G 53'34 | 1.72144 AU |
| min. Earth dist. | -12779 Apr 16 j 10:51 | 21° Z 49'33 | 0.27135 AU | desc. node | -12777 Oct 12 j 04:33 | 0° Ω 10'43 | |
| morning rise | -12779 Apr 21 j 21:48 | 18° Z 44'45 | | | -12777 Oct 12 j 01:04 | 0° Ω | |
| desc. node | -12779 Apr 26 j 18:07 | 16° Z 32'55 | | evening rise | -12777 Oct 25 j 13:49 | 16° Ω 39'06 | |
| direct | -12779 May 06 j 14:27 | 14° Z 39'20 | | | -12777 Nov 05 j 10:43 | 0° M | |
| greatest brilliancy | -12779 May 18 j 08:46 | 17° Z 09'30 | -4.9m | | -12777 Nov 29 j 22:47 | 0° $\underline{\Omega}$ | |
| | -12779 Jun 07 j 09:25 | 0° \approx | | | -12777 Dec 24 j 13:49 | 0° M | |
| morning max el | -12779 Jun 26 j 02:28 | 17° \approx 24'03 | 46°39'36 | | -12776 Jan 18 j 10:46 | 0° X | |
| | -12779 Jul 08 j 01:17 | 0° H | | asc. node | -12776 Jan 31 j 04:52 | 15° X 11'35 | |
| | -12779 Aug 03 j 09:52 | 0° Y | | | -12776 Feb 12 j 18:30 | 0° Z | |
| asc. node | -12779 Aug 15 j 17:07 | 14° Y 36'24 | | | -12776 Mar 09 j 20:01 | 0° \approx | |
| | -12779 Aug 28 j 11:45 | 0° B | | | -12776 Apr 06 j 06:10 | 0° H | |
| | -12779 Sep 22 j 03:41 | 0° II | | evening max el | -12776 Apr 19 j 17:07 | 13° H 41'55 | 46°58'52 |
| | -12779 Oct 16 j 18:40 | 0° G | | | -12776 May 07 j 15:32 | 0° Y | |
| | -12779 Nov 10 j 11:46 | 0° Ω | | desc. node | -12776 May 24 j 04:17 | 11° Y 20'29 | |
| | -12779 Dec 05 j 06:04 | 0° M | | greatest brilliancy | -12776 May 30 j 15:16 | 14° Y 09'46 | -4.9m |
| desc. node | -12779 Dec 07 j 05:43 | 2° M 24'23 | | retrograde | -12776 Jun 09 j 04:49 | 15° Y 52'51 | |
| | -12779 Dec 29 j 22:45 | 0° $\underline{\Omega}$ | | evening set | -12776 Jun 25 j 10:34 | 10° Y 48'30 | |
| morning set | -12779 Dec 31 j 09:41 | 1° $\underline{\Omega}$ 46'26 | | min. Earth dist. | -12776 Jun 29 j 02:06 | 8° Y 39'58 | 0.26416 AU |
| | -12778 Jan 23 j 11:22 | 0° M | | inferior conj | -12776 Jun 29 j 22:37 | 8° Y 09'05 | -7°35'41 |
| max. Earth dist. | -12778 Jan 31 j 19:14 | 10° M 14'41 | 1.73471 AU | minimum elong | -12776 Jun 29 j 13:49 | 8° Y 22'20 | 7°34'13 |
| | | | | morning rise | -12776 Jul 03 j 17:13 | 5° Y 55'01 | |
| superior conj | -12778 Feb 05 j 07:40 | 15° M 48'44 | -1°19'40 | direct | -12776 Jul 20 j 01:50 | 0° Y 41'32 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| greatest brilliancy | -12776 Jul 30 j 02:51 | 2°Υ37'09 | -4.9m | asc. node | -12773 Feb 27 j 15:38 | 2°Σ04'15 | |
| | -12776 Sep 04 j 15:37 | 0°Ϡ | | | -12773 Mar 22 j 14:11 | 0°≈ | |
| morning max el | -12776 Sep 08 j 10:26 | 3°Ϡ47'11 | 46°26'33 | | -12773 Apr 16 j 10:58 | 0°Ϡ | |
| asc. node | -12776 Sep 12 j 05:56 | 7°Ϡ41'48 | | | -12773 May 11 j 16:35 | 0°Υ | |
| | -12776 Oct 02 j 20:18 | 0°Π | | | -12773 Jun 06 j 15:57 | 0°Ϡ | |
| | -12776 Oct 29 j 02:54 | 0°Ϡ | | desc. node | -12773 Jun 21 j 13:45 | 16°Ϡ27'17 | |
| | -12776 Nov 23 j 19:33 | 0°Ω | | evening max el | -12773 Jul 02 j 09:11 | 27°Ϡ48'07 | 47°55'05 |
| | -12776 Dec 19 j 05:53 | 0°Ϡ | | | -12773 Jul 04 j 13:18 | 0°Π | |
| desc. node | -12775 Jan 03 j 19:56 | 18°Ϡ32'10 | | | -12773 Aug 12 j 16:43 | 0°Ϡ | |
| | -12775 Jan 13 j 09:52 | 0°Ϡ | | greatest brilliancy | -12773 Aug 12 j 22:19 | 0°Σ05'07 | -4.9m |
| | -12775 Feb 07 j 05:45 | 0°Ϡ | | retrograde | -12773 Aug 22 j 16:23 | 1°Σ55'34 | |
| | -12775 Mar 03 j 16:59 | 0°Ϡ | | | -12773 Sep 01 j 04:45 | 30°ϠΠ | |
| morning set | -12775 Mar 08 j 03:47 | 5°Ϡ29'55 | | evening set | -12773 Sep 08 j 00:54 | 26°Π28'54 | |
| | -12775 Mar 27 j 20:54 | 0°Σ | | min. Earth dist. | -12773 Sep 12 j 00:03 | 23°Π59'02 | 0.27596 AU |
| max. Earth dist. | -12775 Apr 08 j 10:41 | 14°Σ28'00 | 1.71892 AU | inferior conj | -12773 Sep 12 j 12:50 | 23°Π38'28 | -6°06'38 |
| | | | | minimum elong | -12773 Sep 12 j 22:12 | 23°Π23'24 | 6°03'47 |
| superior conj | -12775 Apr 12 j 08:07 | 19°Σ20'36 | -0°27'45 | morning rise | -12773 Sep 17 j 20:08 | 20°Π21'31 | |
| minimum elong | -12775 Apr 12 j 13:22 | 19°Σ37'04 | 0°28'19 | direct | -12773 Oct 03 j 01:32 | 15°Π39'44 | |
| | -12775 Apr 20 j 19:57 | 0°≈ | | asc. node | -12773 Oct 10 j 17:23 | 16°Π48'21 | |
| asc. node | -12775 Apr 24 j 13:40 | 4°≈41'40 | | greatest brilliancy | -12773 Oct 12 j 06:14 | 17°Π17'19 | -4.8m |
| | -12775 May 14 j 16:40 | 0°Ϡ | | | -12773 Nov 02 j 11:07 | 0°Ϡ | |
| evening rise | -12775 May 19 j 05:05 | 5°Ϡ41'07 | | morning max el | -12773 Nov 21 j 07:46 | 16°Σ50'30 | 46°05'22 |
| | -12775 Jun 07 j 13:10 | 0°Υ | | | -12773 Dec 04 j 10:07 | 0°Ω | |
| | -12775 Jul 01 j 11:33 | 0°Ϡ | | | -12772 Jan 01 j 06:10 | 0°Ϡ | |
| | -12775 Jul 25 j 13:58 | 0°Π | | | -12772 Jan 27 j 17:11 | 0°Ϡ | |
| desc. node | -12775 Aug 16 j 07:20 | 26°Π46'05 | | desc. node | -12772 Feb 01 j 10:02 | 5°Ϡ26'32 | |
| | -12775 Aug 18 j 22:41 | 0°Ϡ | | | -12772 Feb 22 j 07:31 | 0°Ϡ | |
| | -12775 Sep 12 j 16:31 | 0°Ω | | | -12772 Mar 18 j 05:27 | 0°Ϡ | |
| | -12775 Oct 08 j 01:15 | 0°Ϡ | | | -12772 Apr 11 j 14:30 | 0°Σ | |
| | -12775 Nov 03 j 16:31 | 0°Ϡ | | | -12772 May 05 j 14:29 | 0°≈ | |
| evening max el | -12775 Nov 22 j 20:03 | 19°Ϡ44'22 | 44°57'55 | morning set | -12772 May 14 j 21:12 | 11°≈41'06 | |
| | -12775 Dec 03 j 23:50 | 0°Ϡ | | asc. node | -12772 May 22 j 03:10 | 20°≈50'03 | |
| asc. node | -12775 Dec 05 j 11:43 | 1°Ϡ16'44 | | | -12772 May 29 j 09:14 | 0°Ϡ | |
| greatest brilliancy | -12775 Dec 29 j 23:30 | 17°Ϡ04'42 | -4.7m | | -12772 Jun 22 j 02:08 | 0°Υ | |
| retrograde | -12774 Jan 09 j 22:55 | 19°Ϡ13'21 | | | | | |
| evening set | -12774 Jan 27 j 11:52 | 13°Ϡ28'06 | | superior conj | -12772 Jun 22 j 18:52 | 0°Υ52'55 | 1°04'23 |
| inferior conj | -12774 Jan 31 j 08:08 | 11°Ϡ06'53 | 8°09'00 | minimum elong | -12772 Jun 22 j 08:29 | 0°Υ20'04 | 1°04'04 |
| minimum elong | -12774 Jan 31 j 07:45 | 11°Ϡ07'29 | 8°08'27 | max. Earth dist. | -12772 Jun 25 j 00:03 | 3°Υ41'09 | 1.70705 AU |
| min. Earth dist. | -12774 Feb 01 j 04:22 | 10°Ϡ35'21 | 0.29322 AU | | -12772 Jul 15 j 20:08 | 0°Ϡ | |
| morning rise | -12774 Feb 04 j 03:25 | 8°Ϡ46'26 | | evening rise | -12772 Aug 03 j 14:35 | 23°Ϡ35'13 | |
| direct | -12774 Feb 22 j 09:52 | 2°Ϡ38'47 | | | -12772 Aug 08 j 17:31 | 0°Π | |
| greatest brilliancy | -12774 Mar 05 j 02:15 | 4°Ϡ41'01 | -4.7m | | -12772 Sep 01 j 19:44 | 0°Ϡ | |
| desc. node | -12774 Mar 29 j 09:17 | 20°Ϡ03'17 | | desc. node | -12772 Sep 12 j 18:31 | 13°Σ32'38 | |
| | -12774 Apr 09 j 11:58 | 0°Ϡ | | | -12772 Sep 26 j 03:20 | 0°Ω | |
| morning max el | -12774 Apr 13 j 02:35 | 3°Ϡ28'27 | 46°24'02 | | -12772 Oct 20 j 16:44 | 0°Ϡ | |
| | -12774 May 08 j 06:45 | 0°Σ | | | -12772 Nov 14 j 13:57 | 0°Ϡ | |
| | -12774 Jun 03 j 05:03 | 0°≈ | | | -12772 Dec 10 j 01:06 | 0°Ϡ | |
| | -12774 Jun 27 j 22:34 | 0°Ϡ | | asc. node | -12771 Jan 01 j 21:14 | 25°Ϡ50'51 | |
| asc. node | -12774 Jul 18 j 05:27 | 25°Ϡ09'28 | | | -12771 Jan 05 j 16:17 | 0°Ϡ | |
| | -12774 Jul 22 j 02:35 | 0°Υ | | evening max el | -12771 Feb 02 j 13:09 | 28°Ϡ33'43 | 45°08'55 |
| | -12774 Aug 15 j 01:51 | 0°Ϡ | | | -12771 Feb 04 j 01:56 | 0°Σ | |
| | -12774 Sep 08 j 02:03 | 0°Π | | greatest brilliancy | -12771 Mar 13 j 06:20 | 25°Σ55'08 | -4.7m |
| | -12774 Oct 02 j 06:20 | 0°Ϡ | | retrograde | -12771 Mar 22 j 23:34 | 27°Σ35'21 | |
| morning set | -12774 Oct 18 j 08:16 | 19°Σ49'12 | | evening set | -12771 Apr 07 j 02:37 | 23°Σ23'17 | |
| | -12774 Oct 26 j 15:09 | 0°Ω | | inferior conj | -12771 Apr 13 j 00:29 | 20°Σ02'45 | 3°00'28 |
| desc. node | -12774 Nov 08 j 17:45 | 16°Ω04'29 | | minimum elong | -12771 Apr 13 j 06:53 | 19°Σ53'16 | 2°57'54 |
| | -12774 Nov 20 j 02:43 | 0°Ϡ | | min. Earth dist. | -12771 Apr 14 j 01:27 | 19°Σ25'49 | 0.27213 AU |
| | | | | morning rise | -12771 Apr 19 j 09:58 | 16°Σ24'13 | |
| superior conj | -12774 Nov 27 j 13:17 | 9°Ϡ06'35 | -0°40'16 | desc. node | -12771 Apr 25 j 20:17 | 13°Σ37'55 | |
| minimum elong | -12774 Nov 27 j 05:34 | 8°Ϡ42'57 | 0°39'39 | direct | -12771 May 04 j 03:51 | 12°Σ16'15 | |
| max. Earth dist. | -12774 Nov 27 j 07:48 | 8°Ϡ49'50 | 1.73719 AU | greatest brilliancy | -12771 May 16 j 00:17 | 14°Σ48'11 | -4.9m |
| | -12774 Dec 14 j 14:33 | 0°Ϡ | | | -12771 Jun 07 j 19:44 | 0°≈ | |
| evening rise | -12773 Jan 03 j 09:48 | 24°Ϡ17'47 | | morning max el | -12771 Jun 23 j 15:42 | 14°≈57'19 | 46°39'39 |
| | -12773 Jan 08 j 01:15 | 0°Ϡ | | | -12771 Jul 07 j 20:23 | 0°Ϡ | |
| greatest brilliancy | -12773 Jan 17 j 16:36 | 11°Ϡ50'26 | -3.9m | | -12771 Aug 03 j 01:08 | 0°Υ | |
| | -12773 Feb 01 j 11:24 | 0°Ϡ | | asc. node | -12771 Aug 14 j 19:28 | 14°Υ00'35 | |
| | -12773 Feb 25 j 22:59 | 0°Σ | | | -12771 Aug 28 j 01:20 | 0°Ϡ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-------------------------|------------|---------------------|-----------------------|---------------------------|------------|
| | -12771 Sep 21 j 16:19 | 0° Π | | evening max el | -12768 Apr 17 j 07:05 | 11° H 19'28 | 46°54'51 |
| | -12771 Oct 16 j 06:39 | 0° S | | | -12768 May 08 j 06:32 | 0° Υ | |
| | -12771 Nov 09 j 23:17 | 0° Ω | | desc. node | -12768 May 23 j 06:30 | 9° Υ 37'34 | |
| | -12771 Dec 04 j 17:15 | 0° M | | greatest brilliancy | -12768 May 28 j 01:45 | 11° Υ 36'56 | -4.9m |
| desc. node | -12771 Dec 06 j 07:48 | 1° M 56'53 | | retrograde | -12768 Jun 06 j 17:10 | 13° Υ 21'00 | |
| morning set | -12771 Dec 29 j 03:21 | 29° M 40'42 | | evening set | -12768 Jun 22 j 18:08 | 8° Υ 23'07 | |
| | -12771 Dec 29 j 09:41 | 0° A | | min. Earth dist. | -12768 Jun 26 j 13:57 | 6° Υ 08'45 | 0.26395 AU |
| | -12770 Jan 22 j 22:11 | 0° M | | inferior conj | -12768 Jun 27 j 10:15 | 5° Υ 38'16 | -7°23'00 |
| max. Earth dist. | -12770 Jan 29 j 17:12 | 8° M 21'15 | 1.73513 AU | minimum elong | -12768 Jun 27 j 01:01 | 5° Υ 52'08 | 7°21'25 |
| | | | | morning rise | -12768 Jul 01 j 08:06 | 3° Υ 20'03 | |
| superior conj | -12770 Feb 03 j 03:50 | 13° M 49'41 | -1°19'56 | | -12768 Jul 08 j 05:26 | 30° R H | |
| minimum elong | -12770 Feb 03 j 04:59 | 13° M 53'13 | 1°20'31 | direct | -12768 Jul 17 j 14:26 | 28° H 11'24 | |
| | -12770 Feb 16 j 06:09 | 0° A | | | -12768 Jul 27 j 07:19 | 0° Υ | |
| evening rise | -12770 Mar 09 j 23:43 | 26° A 56'24 | | greatest brilliancy | -12768 Jul 27 j 15:34 | 0° Υ 07'30 | -4.9m |
| | -12770 Mar 12 j 10:52 | 0° S | | | -12768 Sep 04 j 15:45 | 0° S | |
| asc. node | -12770 Mar 27 j 03:15 | 18° S 14'34 | | morning max el | -12768 Sep 06 j 00:09 | 1° S 21'50 | 46°27'21 |
| | -12770 Apr 05 j 14:18 | 0° \approx | | asc. node | -12768 Sep 11 j 08:08 | 6° S 51'45 | |
| | -12770 Apr 29 j 18:11 | 0° H | | | -12768 Oct 02 j 13:07 | 0° Π | |
| | -12770 May 24 j 00:02 | 0° Υ | | | -12768 Oct 28 j 17:02 | 0° S | |
| | -12770 Jun 17 j 10:02 | 0° S | | | -12768 Nov 23 j 08:19 | 0° Ω | |
| | -12770 Jul 12 j 04:13 | 0° Π | | | -12768 Dec 18 j 17:48 | 0° M | |
| desc. node | -12770 Jul 18 j 23:23 | 8° Π 07'24 | | desc. node | -12767 Jan 02 j 22:08 | 18° M 04'17 | |
| | -12770 Aug 06 j 14:21 | 0° S | | | -12767 Jan 12 j 21:15 | 0° A | |
| | -12770 Sep 02 j 11:53 | 0° Ω | | | -12767 Feb 06 j 16:46 | 0° M | |
| evening max el | -12770 Sep 10 j 21:24 | 8° Ω 42'49 | 46°33'00 | | -12767 Mar 03 j 03:48 | 0° A | |
| | -12770 Oct 04 j 11:36 | 0° M | | morning set | -12767 Mar 05 j 23:37 | 3° A 29'26 | |
| greatest brilliancy | -12770 Oct 20 j 00:30 | 9° M 14'56 | -4.8m | | -12767 Mar 27 j 07:41 | 0° S | |
| retrograde | -12770 Oct 31 j 03:23 | 11° M 36'01 | | max. Earth dist. | -12767 Apr 06 j 01:51 | 12° S 11'26 | 1.71952 AU |
| asc. node | -12770 Nov 07 j 04:05 | 10° M 33'48 | | | | | |
| evening set | -12770 Nov 15 j 04:48 | 7° M 00'17 | | superior conj | -12767 Apr 10 j 02:39 | 17° S 14'25 | -0°30'37 |
| inferior conj | -12770 Nov 21 j 09:06 | 3° M 10'08 | 3°10'16 | minimum elong | -12767 Apr 10 j 08:19 | 17° S 32'08 | 0°31'08 |
| minimum elong | -12770 Nov 21 j 03:02 | 3° M 19'58 | 3°09'04 | | -12767 Apr 20 j 06:50 | 0° \approx | |
| min. Earth dist. | -12770 Nov 21 j 01:06 | 3° M 23'05 | 0.29072 AU | asc. node | -12767 Apr 23 j 15:51 | 4° \approx 14'22 | |
| | -12770 Nov 26 j 09:52 | 30° R Ω | | | -12767 May 14 j 03:42 | 0° H | |
| morning rise | -12770 Nov 27 j 01:39 | 29° Ω 36'47 | | evening rise | -12767 May 16 j 20:34 | 3° H 23'58 | |
| direct | -12770 Dec 12 j 20:39 | 24° Ω 42'02 | | | -12767 Jun 07 j 00:26 | 0° Υ | |
| greatest brilliancy | -12770 Dec 22 j 00:43 | 26° Ω 13'56 | -4.7m | | -12767 Jun 30 j 23:03 | 0° S | |
| | -12770 Dec 30 j 15:13 | 0° M | | | -12767 Jul 25 j 01:45 | 0° Π | |
| morning max el | -12769 Jan 30 j 15:47 | 24° M 15'31 | 46°03'52 | desc. node | -12767 Aug 15 j 09:38 | 26° Π 16'02 | |
| | -12769 Feb 05 j 14:42 | 0° A | | | -12767 Aug 18 j 10:51 | 0° S | |
| desc. node | -12769 Feb 28 j 23:23 | 24° A 17'56 | | | -12767 Sep 12 j 05:17 | 0° Ω | |
| | -12769 Mar 06 j 04:10 | 0° M | | | -12767 Oct 07 j 15:13 | 0° M | |
| | -12769 Apr 01 j 11:24 | 0° A | | | -12767 Nov 03 j 09:29 | 0° A | |
| | -12769 Apr 26 j 13:46 | 0° S | | evening max el | -12767 Nov 20 j 12:05 | 17° A 33'55 | 44°59'38 |
| | -12769 May 20 j 22:33 | 0° \approx | | | -12767 Dec 04 j 04:42 | 0° M | |
| | -12769 Jun 13 j 21:06 | 0° H | | asc. node | -12767 Dec 04 j 14:02 | 0° M 19'26 | |
| asc. node | -12769 Jun 19 j 17:24 | 7° H 22'25 | | greatest brilliancy | -12767 Dec 27 j 15:52 | 14° M 58'18 | -4.7m |
| | -12769 Jul 07 j 14:56 | 0° Υ | | retrograde | -12766 Jan 07 j 15:11 | 17° M 07'09 | |
| morning set | -12769 Jul 29 j 22:58 | 28° Υ 14'19 | | evening set | -12766 Jan 25 j 03:50 | 11° M 22'44 | |
| | -12769 Jul 31 j 08:28 | 0° S | | inferior conj | -12766 Jan 29 j 00:56 | 8° M 59'49 | 8°08'13 |
| | -12769 Aug 24 j 04:55 | 0° Π | | minimum elong | -12766 Jan 28 j 23:52 | 9° M 01'29 | 8°07'41 |
| | | | | min. Earth dist. | -12766 Jan 29 j 20:04 | 8° M 29'54 | 0.29356 AU |
| superior conj | -12769 Sep 10 j 12:56 | 21° Π 38'54 | 1°01'35 | morning rise | -12766 Feb 01 j 19:43 | 6° M 39'39 | |
| minimum elong | -12769 Sep 11 j 00:46 | 22° Π 15'43 | 1°02'02 | direct | -12766 Feb 20 j 02:53 | 0° M 31'08 | |
| | -12769 Sep 17 j 06:08 | 0° S | | greatest brilliancy | -12766 Mar 02 j 17:04 | 2° M 31'03 | -4.7m |
| max. Earth dist. | -12769 Sep 17 j 12:44 | 0° S 20'30 | 1.72073 AU | desc. node | -12766 Mar 28 j 11:20 | 19° M 04'16 | |
| desc. node | -12769 Oct 11 j 06:39 | 29° S 42'58 | | | -12766 Apr 09 j 11:04 | 0° A | |
| | -12769 Oct 11 j 12:10 | 0° Ω | | morning max el | -12766 Apr 10 j 17:41 | 1° A 14'17 | 46°23'16 |
| evening rise | -12769 Oct 23 j 02:12 | 14° Ω 15'37 | | | -12766 May 07 j 22:49 | 0° S | |
| | -12769 Nov 04 j 21:49 | 0° M | | | -12766 Jun 02 j 18:47 | 0° \approx | |
| | -12769 Nov 29 j 09:58 | 0° A | | | -12766 Jun 27 j 11:13 | 0° H | |
| | -12769 Dec 24 j 01:16 | 0° M | | asc. node | -12766 Jul 17 j 07:49 | 24° H 38'57 | |
| | -12768 Jan 17 j 22:47 | 0° A | | | -12766 Jul 21 j 14:40 | 0° Υ | |
| asc. node | -12768 Jan 30 j 07:20 | 14° A 41'51 | | | -12766 Aug 14 j 13:36 | 0° S | |
| | -12768 Feb 12 j 07:39 | 0° S | | | -12766 Sep 07 j 13:35 | 0° Π | |
| | -12768 Mar 09 j 11:18 | 0° \approx | | | -12766 Oct 01 j 17:40 | 0° S | |
| | -12768 Apr 06 j 02:11 | 0° H | | morning set | -12766 Oct 15 j 20:04 | 17° S 23'28 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12766 Oct 26 j 02:17 | 0°♌ | | min. Earth dist. | -12763 Apr 11 j 15:43 | 17°♊03'12 | 0.27292 AU |
| desc. node | -12766 Nov 07 j 19:55 | 15°♌37'16 | | morning rise | -12763 Apr 16 j 22:06 | 14°♊04'37 | |
| | -12766 Nov 19 j 13:41 | 0°♍ | | desc. node | -12763 Apr 24 j 22:35 | 10°♊48'35 | |
| | | | | direct | -12763 May 01 j 17:48 | 9°♊53'38 | |
| superior conj | -12766 Nov 25 j 04:37 | 6°♍53'02 | -0°37'25 | greatest brilliancy | -12763 May 13 j 15:26 | 12°♊26'57 | -4.9m |
| minimum elong | -12766 Nov 24 j 21:14 | 6°♍30'28 | 0°36'47 | | -12763 Jun 08 j 03:16 | 0°♋ | |
| max. Earth dist. | -12766 Nov 25 j 06:01 | 6°♍57'21 | 1.73689 AU | morning max el | -12763 Jun 21 j 06:06 | 12°♋33'52 | 46°39'46 |
| | -12766 Dec 14 j 01:26 | 0°♎ | | | -12763 Jul 07 j 14:56 | 0°♋ | |
| evening rise | -12765 Jan 01 j 04:51 | 22°♎15'21 | | | -12763 Aug 02 j 16:09 | 0°♌ | |
| | -12765 Jan 07 j 12:11 | 0°♏ | | asc. node | -12763 Aug 13 j 21:37 | 13°♌24'36 | |
| greatest brilliancy | -12765 Jan 17 j 00:41 | 11°♏41'31 | -3.9m | | -12763 Aug 27 j 14:45 | 0°♍ | |
| | -12765 Jan 31 j 22:32 | 0°♐ | | | -12763 Sep 21 j 04:51 | 0°♍ | |
| | -12765 Feb 25 j 10:29 | 0°♑ | | | -12763 Oct 15 j 18:39 | 0°♑ | |
| asc. node | -12765 Feb 26 j 17:55 | 1°♑35'58 | | | -12763 Nov 09 j 10:53 | 0°♒ | |
| | -12765 Mar 22 j 02:16 | 0°♒ | | | -12763 Dec 04 j 04:34 | 0°♒ | |
| | -12765 Apr 15 j 23:55 | 0°♓ | | desc. node | -12763 Dec 05 j 10:02 | 1°♒29'22 | |
| | -12765 May 11 j 06:55 | 0°♑ | | morning set | -12763 Dec 26 j 20:29 | 27°♒32'46 | |
| | -12765 Jun 06 j 08:51 | 0°♒ | | | -12763 Dec 28 j 20:48 | 0°♓ | |
| desc. node | -12765 Jun 20 j 16:05 | 15°♒41'09 | | | -12762 Jan 22 j 09:10 | 0°♓ | |
| evening max el | -12765 Jun 30 j 00:05 | 25°♒26'28 | 47°55'28 | max. Earth dist. | -12762 Jan 27 j 15:47 | 6°♓29'15 | 1.73549 AU |
| | -12765 Jul 04 j 13:05 | 0°♑ | | | | | |
| greatest brilliancy | -12765 Aug 10 j 15:01 | 27°♑44'43 | -4.9m | superior conj | -12762 Jan 31 j 23:34 | 11°♓48'47 | -1°20'07 |
| retrograde | -12765 Aug 20 j 06:55 | 29°♑33'20 | | minimum elong | -12762 Feb 01 j 00:10 | 11°♓50'38 | 1°20'41 |
| evening set | -12765 Sep 05 j 18:47 | 24°♑03'12 | | | -12762 Feb 15 j 17:08 | 0°♐ | |
| min. Earth dist. | -12765 Sep 09 j 15:07 | 21°♑37'44 | 0.27551 AU | evening rise | -12762 Mar 07 j 19:26 | 24°♐54'17 | |
| inferior conj | -12765 Sep 10 j 03:50 | 21°♑17'16 | -6°21'48 | | -12762 Mar 11 j 21:58 | 0°♑ | |
| minimum elong | -12765 Sep 10 j 13:14 | 21°♑02'10 | 6°19'02 | asc. node | -12762 Mar 26 j 05:26 | 17°♑46'22 | |
| morning rise | -12765 Sep 15 j 08:14 | 18°♑04'26 | | | -12762 Apr 05 j 01:40 | 0°♒ | |
| direct | -12765 Sep 30 j 15:36 | 13°♑19'44 | | | -12762 Apr 29 j 05:55 | 0°♓ | |
| asc. node | -12765 Oct 09 j 19:38 | 14°♑56'29 | | | -12762 May 23 j 12:14 | 0°♑ | |
| greatest brilliancy | -12765 Oct 09 j 21:23 | 14°♑57'58 | -4.8m | | -12762 Jun 16 j 22:49 | 0°♒ | |
| | -12765 Nov 02 j 21:44 | 0°♑ | | | -12762 Jul 11 j 17:50 | 0°♑ | |
| morning max el | -12765 Nov 18 j 21:52 | 14°♑32'30 | 46°05'52 | desc. node | -12762 Jul 18 j 01:44 | 7°♑32'54 | |
| | -12765 Dec 04 j 04:48 | 0°♒ | | | -12762 Aug 06 j 05:35 | 0°♑ | |
| | -12765 Dec 31 j 20:51 | 0°♓ | | | -12762 Sep 02 j 07:07 | 0°♒ | |
| | -12764 Jan 27 j 06:05 | 0°♓ | | evening max el | -12762 Sep 08 j 13:45 | 6°♒28'47 | 46°36'59 |
| desc. node | -12764 Jan 31 j 12:15 | 4°♓56'05 | | | -12762 Oct 05 j 04:29 | 0°♓ | |
| | -12764 Feb 21 j 19:30 | 0°♑ | | greatest brilliancy | -12762 Oct 17 j 18:11 | 7°♓05'26 | -4.8m |
| | -12764 Mar 17 j 16:57 | 0°♐ | | retrograde | -12762 Oct 28 j 21:33 | 9°♓26'58 | |
| | -12764 Apr 11 j 01:44 | 0°♑ | | asc. node | -12762 Nov 06 j 06:24 | 7°♓58'27 | |
| | -12764 May 05 j 01:36 | 0°♒ | | evening set | -12762 Nov 12 j 21:34 | 4°♓51'51 | |
| morning set | -12764 May 12 j 13:08 | 9°♒25'01 | | min. Earth dist. | -12762 Nov 18 j 17:45 | 1°♓14'45 | 0.29031 AU |
| asc. node | -12764 May 21 j 05:25 | 20°♒22'05 | | inferior conj | -12762 Nov 19 j 02:28 | 1°♓00'40 | 2°53'01 |
| | -12764 May 28 j 20:20 | 0°♓ | | minimum elong | -12762 Nov 18 j 20:52 | 1°♓09'43 | 2°51'56 |
| | | | | | -12762 Nov 20 j 16:05 | 30°♒00 | |
| superior conj | -12764 Jun 20 j 06:50 | 28°♓23'40 | 1°01'59 | morning rise | -12762 Nov 24 j 20:41 | 27°♒25'10 | |
| minimum elong | -12764 Jun 19 j 20:24 | 27°♓50'41 | 1°01'37 | direct | -12762 Dec 10 j 13:34 | 22°♒33'07 | |
| | -12764 Jun 21 j 13:17 | 0°♑ | | greatest brilliancy | -12762 Dec 19 j 16:38 | 24°♒04'47 | -4.7m |
| max. Earth dist. | -12764 Jun 22 j 02:12 | 0°♑40'51 | 1.70709 AU | | -12762 Dec 31 j 23:47 | 0°♓ | |
| | -12764 Jul 15 j 07:21 | 0°♒ | | morning max el | -12761 Jan 28 j 09:17 | 22°♓09'56 | 46°03'26 |
| evening rise | -12764 Jul 31 j 22:15 | 20°♒53'32 | | | -12761 Feb 05 j 11:02 | 0°♓ | |
| | -12764 Aug 08 j 04:50 | 0°♑ | | desc. node | -12761 Feb 28 j 01:25 | 23°♓40'18 | |
| | -12764 Sep 01 j 07:09 | 0°♑ | | | -12761 Mar 05 j 19:25 | 0°♑ | |
| desc. node | -12764 Sep 11 j 20:38 | 13°♑03'42 | | | -12761 Apr 01 j 00:42 | 0°♐ | |
| | -12764 Sep 25 j 14:54 | 0°♒ | | | -12761 Apr 26 j 02:08 | 0°♑ | |
| | -12764 Oct 20 j 04:36 | 0°♓ | | | -12761 May 20 j 10:26 | 0°♒ | |
| | -12764 Nov 14 j 02:24 | 0°♓ | | | -12761 Jun 13 j 08:45 | 0°♓ | |
| | -12764 Dec 09 j 14:46 | 0°♑ | | asc. node | -12761 Jun 18 j 19:40 | 6°♓52'54 | |
| asc. node | -12764 Dec 31 j 23:43 | 25°♑14'09 | | | -12761 Jul 07 j 02:29 | 0°♑ | |
| | -12763 Jan 05 j 08:45 | 0°♐ | | morning set | -12761 Jul 27 j 08:18 | 25°♑36'02 | |
| evening max el | -12763 Jan 31 j 02:12 | 26°♐15'09 | 45°06'40 | | -12761 Jul 30 j 19:56 | 0°♒ | |
| | -12763 Feb 04 j 03:05 | 0°♑ | | | -12761 Aug 23 j 16:20 | 0°♑ | |
| greatest brilliancy | -12763 Mar 10 j 18:12 | 23°♑34'33 | -4.7m | | | | |
| retrograde | -12763 Mar 20 j 12:25 | 25°♑15'43 | | superior conj | -12761 Sep 07 j 21:28 | 19°♑00'34 | 1°04'09 |
| evening set | -12763 Apr 04 j 17:38 | 20°♑59'51 | | minimum elong | -12761 Sep 08 j 09:11 | 19°♑37'05 | 1°04'38 |
| inferior conj | -12763 Apr 10 j 13:26 | 17°♑42'02 | 3°20'43 | max. Earth dist. | -12761 Sep 15 j 00:39 | 27°♑53'13 | 1.72000 AU |
| minimum elong | -12763 Apr 10 j 20:27 | 17°♑31'39 | 3°18'01 | | -12761 Sep 16 j 17:29 | 0°♑ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

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|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| desc. node | -12761 Oct 10 j 08:53 | 29°☿15'00 | | greatest brilliancy | -12758 Feb 28 j 08:31 | 0°♊21'02 | -4.7m |
| | -12761 Oct 10 j 23:28 | 0°♊ | | desc. node | -12758 Mar 27 j 13:39 | 18°♊06'06 | |
| evening rise | -12761 Oct 20 j 14:32 | 11°♊51'19 | | morning max el | -12758 Apr 08 j 08:20 | 28°♊57'58 | 46°22'23 |
| | -12761 Nov 04 j 09:08 | 0°♋ | | | -12758 Apr 09 j 09:43 | 0°♋ | |
| | -12761 Nov 28 j 21:23 | 0°♌ | | | -12758 May 07 j 15:05 | 0°♌ | |
| | -12761 Dec 23 j 13:00 | 0°♍ | | | -12758 Jun 02 j 08:48 | 0°♍ | |
| | -12760 Jan 17 j 11:12 | 0°♎ | | | -12758 Jun 27 j 00:10 | 0°♎ | |
| asc. node | -12760 Jan 29 j 09:34 | 14°♎10'18 | | asc. node | -12758 Jul 16 j 09:56 | 24°♎06'45 | |
| | -12760 Feb 11 j 21:17 | 0°♏ | | | -12758 Jul 21 j 03:01 | 0°♏ | |
| | -12760 Mar 09 j 03:13 | 0°♐ | | | -12758 Aug 14 j 01:35 | 0°♐ | |
| | -12760 Apr 05 j 23:13 | 0°♑ | | | -12758 Sep 07 j 01:20 | 0°♑ | |
| evening max el | -12760 Apr 14 j 21:14 | 8°♑56'43 | 46°50'56 | | -12758 Oct 01 j 05:14 | 0°♒ | |
| | -12760 May 09 j 02:51 | 0°♓ | | morning set | -12758 Oct 13 j 07:42 | 14°♒56'14 | |
| desc. node | -12760 May 22 j 08:51 | 7°♓50'01 | | | -12758 Oct 25 j 13:41 | 0°♓ | |
| greatest brilliancy | -12760 May 25 j 12:30 | 9°♓03'53 | -4.9m | desc. node | -12758 Nov 06 j 22:08 | 15°♓09'22 | |
| retrograde | -12760 Jun 04 j 05:11 | 10°♓48'20 | | | -12758 Nov 19 j 00:56 | 0°♔ | |
| evening set | -12760 Jun 20 j 01:49 | 5°♓57'07 | | | | | |
| min. Earth dist. | -12760 Jun 24 j 01:58 | 3°♓36'43 | 0.26373 AU | superior conj | -12758 Nov 22 j 19:50 | 4°♔38'20 | -0°34'31 |
| inferior conj | -12760 Jun 24 j 21:53 | 3°♓06'50 | -7°09'32 | minimum elong | -12758 Nov 22 j 12:52 | 4°♔16'59 | 0°33'51 |
| minimum elong | -12760 Jun 24 j 12:17 | 3°♓21'14 | 7°07'48 | max. Earth dist. | -12758 Nov 23 j 02:24 | 4°♔58'26 | 1.73656 AU |
| morning rise | -12760 Jun 28 j 22:59 | 0°♓44'15 | | | -12758 Dec 13 j 12:36 | 0°♕ | |
| | -12760 Jun 30 j 07:07 | 30°♒ | | evening rise | -12758 Dec 29 j 23:50 | 20°♕12'00 | |
| direct | -12760 Jul 15 j 03:04 | 25°♒40'46 | | | -12757 Jan 06 j 23:23 | 0°♌ | |
| greatest brilliancy | -12760 Jul 25 j 04:19 | 27°♒37'03 | -4.9m | greatest brilliancy | -12757 Jan 16 j 09:43 | 11°♌34'45 | -3.9m |
| | -12760 Jul 30 j 11:53 | 0°♓ | | | -12757 Jan 31 j 09:55 | 0°♎ | |
| morning max el | -12760 Sep 03 j 12:56 | 28°♓53'13 | 46°28'04 | | -12757 Feb 24 j 22:16 | 0°♏ | |
| | -12760 Sep 04 j 15:08 | 0°♔ | | asc. node | -12757 Feb 25 j 20:09 | 1°♏06'44 | |
| asc. node | -12760 Sep 10 j 10:18 | 6°♔01'43 | | | -12757 Mar 21 j 14:42 | 0°♐ | |
| | -12760 Oct 02 j 05:54 | 0°♑ | | | -12757 Apr 15 j 13:18 | 0°♑ | |
| | -12760 Oct 28 j 07:18 | 0°♒ | | | -12757 May 10 j 21:48 | 0°♓ | |
| | -12760 Nov 22 j 21:16 | 0°♓ | | | -12757 Jun 06 j 02:32 | 0°♔ | |
| | -12760 Dec 18 j 05:57 | 0°♔ | | desc. node | -12757 Jun 19 j 18:24 | 14°♔53'05 | |
| desc. node | -12759 Jan 02 j 00:17 | 17°♔35'30 | | evening max el | -12757 Jun 27 j 14:03 | 23°♔01'15 | 47°55'55 |
| | -12759 Jan 12 j 08:52 | 0°♕ | | | -12757 Jul 04 j 14:29 | 0°♑ | |
| | -12759 Feb 06 j 04:05 | 0°♌ | | greatest brilliancy | -12757 Aug 08 j 07:34 | 25°♑22'54 | -4.9m |
| | -12759 Mar 02 j 14:59 | 0°♎ | | retrograde | -12757 Aug 17 j 21:23 | 27°♑10'01 | |
| morning set | -12759 Mar 03 j 19:09 | 1°♎27'01 | | evening set | -12757 Sep 03 j 12:31 | 21°♑36'09 | |
| | -12759 Mar 26 j 18:51 | 0°♏ | | inferior conj | -12757 Sep 07 j 18:44 | 18°♑54'54 | -6°36'24 |
| max. Earth dist. | -12759 Apr 03 j 15:48 | 9°♏50'03 | 1.72014 AU | minimum elong | -12757 Sep 08 j 04:05 | 18°♑39'55 | 6°33'45 |
| | | | | min. Earth dist. | -12757 Sep 07 j 06:03 | 19°♑15'17 | 0.27503 AU |
| superior conj | -12759 Apr 07 j 20:59 | 15°♏06'33 | -0°33'26 | morning rise | -12757 Sep 12 j 20:05 | 15°♑46'35 | |
| minimum elong | -12759 Apr 08 j 03:01 | 15°♏25'26 | 0°33'57 | direct | -12757 Sep 28 j 05:14 | 10°♑58'26 | |
| | -12759 Apr 19 j 18:05 | 0°♐ | | greatest brilliancy | -12757 Oct 07 j 12:36 | 12°♑37'48 | -4.8m |
| asc. node | -12759 Apr 22 j 18:08 | 3°♐46'09 | | asc. node | -12757 Oct 08 j 22:00 | 13°♑08'09 | |
| | -12759 May 13 j 15:05 | 0°♑ | | | -12757 Nov 03 j 05:51 | 0°♒ | |
| evening rise | -12759 May 14 j 11:54 | 1°♑05'26 | | morning max el | -12757 Nov 16 j 12:12 | 12°♒14'15 | 46°06'25 |
| | -12759 Jun 06 j 12:00 | 0°♓ | | | -12757 Dec 03 j 23:15 | 0°♓ | |
| | -12759 Jun 30 j 10:51 | 0°♔ | | | -12757 Dec 31 j 11:35 | 0°♔ | |
| | -12759 Jul 24 j 13:51 | 0°♑ | | | -12756 Jan 26 j 19:08 | 0°♕ | |
| desc. node | -12759 Aug 14 j 11:45 | 25°♑44'30 | | desc. node | -12756 Jan 30 j 14:14 | 4°♕24'29 | |
| | -12759 Aug 17 j 23:20 | 0°♒ | | | -12756 Feb 21 j 07:39 | 0°♌ | |
| | -12759 Sep 11 j 18:25 | 0°♓ | | | -12756 Mar 17 j 04:35 | 0°♎ | |
| | -12759 Oct 07 j 05:37 | 0°♔ | | | -12756 Apr 10 j 13:07 | 0°♏ | |
| | -12759 Nov 03 j 03:06 | 0°♕ | | | -12756 May 04 j 12:54 | 0°♐ | |
| evening max el | -12759 Nov 18 j 03:17 | 15°♕20'29 | 45°01'29 | morning set | -12756 May 10 j 05:09 | 7°♐08'37 | |
| asc. node | -12759 Dec 03 j 16:27 | 29°♕20'20 | | asc. node | -12756 May 20 j 07:40 | 19°♐53'25 | |
| | -12759 Dec 04 j 12:06 | 0°♌ | | | -12756 May 28 j 07:40 | 0°♑ | |
| greatest brilliancy | -12759 Dec 25 j 08:15 | 12°♌51'05 | -4.7m | | | | |
| retrograde | -12758 Jan 05 j 07:24 | 15°♌00'23 | | superior conj | -12756 Jun 17 j 18:37 | 25°♑52'58 | 0°59'27 |
| evening set | -12758 Jan 22 j 19:32 | 9°♌17'01 | | minimum elong | -12756 Jun 17 j 08:15 | 25°♑20'11 | 0°59'02 |
| inferior conj | -12758 Jan 26 j 17:47 | 6°♌52'07 | 8°06'41 | max. Earth dist. | -12756 Jun 19 j 06:26 | 27°♑46'16 | 1.70720 AU |
| minimum elong | -12758 Jan 26 j 16:02 | 6°♌54'52 | 8°06'09 | | -12756 Jun 21 j 00:42 | 0°♓ | |
| min. Earth dist. | -12758 Jan 27 j 12:01 | 6°♌23'33 | 0.29391 AU | | -12756 Jul 14 j 18:52 | 0°♔ | |
| morning rise | -12758 Jan 30 j 12:19 | 4°♌31'54 | | evening rise | -12756 Jul 29 j 05:39 | 18°♔10'05 | |
| | -12758 Feb 08 j 15:52 | 30°♒ | | | -12756 Aug 07 j 16:23 | 0°♑ | |
| direct | -12758 Feb 17 j 19:26 | 28°♒22'41 | | | -12756 Aug 31 j 18:46 | 0°♒ | |
| | -12758 Feb 27 j 08:00 | 0°♓ | | desc. node | -12756 Sep 10 j 22:56 | 12°♒34'45 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|--|---------------------|-----------------------|-----------|------------|--|
| | -12756 Sep 25 j 02:40 | 0°♌ | | | | -12753 Apr 25 j 14:20 | 0°♊ | | |
| | -12756 Oct 19 j 16:39 | 0°♍ | | | | -12753 May 19 j 22:10 | 0°♈ | | |
| | -12756 Nov 13 j 15:03 | 0°♊ | | | | -12753 Jun 12 j 20:15 | 0°♋ | | |
| | -12756 Dec 09 j 04:41 | 0°♎ | | | asc. node | -12753 Jun 17 j 21:48 | 6°♋23'30 | | |
| asc. node | -12756 Dec 31 j 01:58 | 24°♎36'10 | | | | -12753 Jul 06 j 13:52 | 0°♍ | | |
| | -12755 Jan 05 j 01:37 | 0°♈ | | | morning set | -12753 Jul 24 j 17:56 | 22°♍59'11 | | |
| evening max el | -12755 Jan 28 j 16:16 | 23°♈59'02 | 45°04'37 | | | -12753 Jul 30 j 07:15 | 0°♉ | | |
| | -12755 Feb 04 j 05:40 | 0°♊ | | | | -12753 Aug 23 j 03:37 | 0°♊ | | |
| greatest brilliancy | -12755 Mar 08 j 05:53 | 21°♊14'24 | -4.7m | | | | | | |
| retrograde | -12755 Mar 18 j 01:51 | 22°♊56'43 | | | superior conj | -12753 Sep 05 j 05:50 | 16°♊21'52 | 1°06'36 | |
| evening set | -12755 Apr 02 j 09:00 | 18°♊37'11 | | | minimum elong | -12753 Sep 05 j 17:19 | 16°♊57'40 | 1°07'05 | |
| inferior conj | -12755 Apr 08 j 02:36 | 15°♊21'56 | 3°40'14 | | max. Earth dist. | -12753 Sep 12 j 13:43 | 25°♊29'33 | 1.71931 AU | |
| minimum elong | -12755 Apr 08 j 10:10 | 15°♊10'46 | 3°37'26 | | | -12753 Sep 16 j 04:45 | 0°♋ | | |
| min. Earth dist. | -12755 Apr 09 j 05:43 | 14°♊41'53 | 0.27372 AU | | desc. node | -12753 Oct 09 j 11:08 | 28°♋47'16 | | |
| morning rise | -12755 Apr 14 j 10:15 | 11°♊45'56 | | | | -12753 Oct 10 j 10:43 | 0°♌ | | |
| desc. node | -12755 Apr 24 j 00:50 | 8°♊05'34 | | | evening rise | -12753 Oct 18 j 02:12 | 9°♌25'03 | | |
| direct | -12755 Apr 29 j 08:29 | 7°♊31'52 | | | | -12753 Nov 03 j 20:22 | 0°♍ | | |
| greatest brilliancy | -12755 May 11 j 05:58 | 10°♊05'30 | -4.9m | | | -12753 Nov 28 j 08:43 | 0°♊ | | |
| | -12755 Jun 08 j 08:40 | 0°♈ | | | | -12753 Dec 23 j 00:39 | 0°♎ | | |
| morning max el | -12755 Jun 18 j 21:08 | 10°♈12'01 | 46°39'33 | | | -12752 Jan 16 j 23:31 | 0°♈ | | |
| | -12755 Jul 07 j 09:12 | 0°♋ | | | asc. node | -12752 Jan 28 j 11:49 | 13°♈39'10 | | |
| | -12755 Aug 02 j 07:11 | 0°♍ | | | | -12752 Feb 11 j 10:51 | 0°♊ | | |
| asc. node | -12755 Aug 12 j 23:44 | 12°♍48'09 | | | | -12752 Mar 08 j 19:11 | 0°♈ | | |
| | -12755 Aug 27 j 04:18 | 0°♉ | | | | -12752 Apr 05 j 20:45 | 0°♋ | | |
| | -12755 Sep 20 j 17:32 | 0°♊ | | | evening max el | -12752 Apr 12 j 10:59 | 6°♋33'39 | 46°46'54 | |
| | -12755 Oct 15 j 06:44 | 0°♋ | | | | -12752 May 10 j 05:38 | 0°♍ | | |
| | -12755 Nov 08 j 22:33 | 0°♌ | | | desc. node | -12752 May 21 j 11:05 | 5°♍58'59 | | |
| desc. node | -12755 Dec 03 j 15:54 | 0°♍ | | | greatest brilliancy | -12752 May 22 j 23:56 | 6°♍32'43 | -4.9m | |
| morning set | -12755 Dec 04 j 12:08 | 1°♍01'23 | | | retrograde | -12752 Jun 01 j 16:49 | 8°♍16'47 | | |
| | -12755 Dec 24 j 13:34 | 25°♍24'35 | | | evening set | -12752 Jun 17 j 09:43 | 3°♍32'17 | | |
| | -12755 Dec 28 j 07:56 | 0°♊ | | | min. Earth dist. | -12752 Jun 21 j 14:31 | 1°♍05'24 | 0.26351 AU | |
| | -12754 Jan 21 j 20:11 | 0°♎ | | | inferior conj | -12752 Jun 22 j 09:36 | 0°♍36'44 | -6°55'13 | |
| max. Earth dist. | -12754 Jan 25 j 14:49 | 4°♎38'36 | 1.73582 AU | | minimum elong | -12752 Jun 21 j 23:44 | 0°♍51'33 | 6°53'21 | |
| | | | | | | -12752 Jun 23 j 10:08 | 30°♎♋ | | |
| superior conj | -12754 Jan 29 j 19:21 | 9°♎48'01 | -1°20'12 | | morning rise | -12752 Jun 26 j 13:59 | 28°♎09'35 | | |
| minimum elong | -12754 Jan 29 j 19:24 | 9°♎48'10 | 1°20'44 | | direct | -12752 Jul 12 j 15:12 | 23°♎11'25 | | |
| | -12754 Feb 15 j 04:08 | 0°♈ | | | greatest brilliancy | -12752 Jul 22 j 17:32 | 25°♎08'10 | -4.9m | |
| evening rise | -12754 Mar 05 j 15:23 | 22°♈52'54 | | | | -12752 Aug 01 j 08:14 | 0°♍ | | |
| | -12754 Mar 11 j 09:05 | 0°♊ | | | morning max el | -12752 Sep 01 j 00:43 | 26°♍22'47 | 46°28'44 | |
| asc. node | -12754 Mar 25 j 07:48 | 17°♊18'47 | | | | -12752 Sep 04 j 13:15 | 0°♉ | | |
| | -12754 Apr 04 j 13:01 | 0°♈ | | | asc. node | -12752 Sep 09 j 12:41 | 5°♉13'59 | | |
| | -12754 Apr 28 j 17:39 | 0°♋ | | | | -12752 Oct 01 j 22:08 | 0°♊ | | |
| | -12754 May 23 j 00:25 | 0°♍ | | | | -12752 Oct 27 j 21:15 | 0°♋ | | |
| | -12754 Jun 16 j 11:37 | 0°♉ | | | | -12752 Nov 22 j 09:59 | 0°♌ | | |
| | -12754 Jul 11 j 07:36 | 0°♊ | | | | -12752 Dec 17 j 17:53 | 0°♍ | | |
| desc. node | -12754 Jul 17 j 03:51 | 6°♊57'22 | | | desc. node | -12751 Jan 01 j 02:20 | 17°♍07'00 | | |
| | -12754 Aug 05 j 21:06 | 0°♋ | | | | -12751 Jan 11 j 20:16 | 0°♊ | | |
| | -12754 Sep 02 j 03:04 | 0°♌ | | | | -12751 Feb 05 j 15:09 | 0°♎ | | |
| evening max el | -12754 Sep 06 j 06:43 | 4°♌15'46 | 46°40'56 | | morning set | -12751 Mar 01 j 14:34 | 29°♎25'05 | | |
| | -12754 Oct 06 j 03:41 | 0°♍ | | | | -12751 Mar 02 j 01:53 | 0°♈ | | |
| greatest brilliancy | -12754 Oct 15 j 12:20 | 4°♍55'56 | -4.8m | | | -12751 Mar 26 j 05:45 | 0°♊ | | |
| retrograde | -12754 Oct 26 j 15:40 | 7°♍17'08 | | | max. Earth dist. | -12751 Apr 01 j 07:23 | 7°♊34'37 | 1.72080 AU | |
| asc. node | -12754 Nov 05 j 08:44 | 5°♍18'00 | | | | | | | |
| evening set | -12754 Nov 10 j 14:27 | 2°♍42'52 | | | superior conj | -12751 Apr 05 j 15:28 | 13°♊00'01 | -0°36'10 | |
| | -12754 Nov 15 j 00:47 | 30°♎♌ | | | minimum elong | -12751 Apr 05 j 21:51 | 13°♊19'58 | 0°36'43 | |
| inferior conj | -12754 Nov 16 j 19:45 | 28°♌50'39 | 2°35'29 | | | -12751 Apr 19 j 05:05 | 0°♈ | | |
| minimum elong | -12754 Nov 16 j 14:40 | 28°♌58'54 | 2°34'31 | | asc. node | -12751 Apr 21 j 20:22 | 3°♈18'35 | | |
| min. Earth dist. | -12754 Nov 16 j 10:17 | 29°♌05'59 | 0.28982 AU | | evening rise | -12751 May 12 j 03:38 | 28°♈48'58 | | |
| morning rise | -12754 Nov 22 j 15:31 | 25°♌13'07 | | | | -12751 May 13 j 02:15 | 0°♋ | | |
| direct | -12754 Dec 08 j 06:37 | 20°♌24'02 | | | | -12751 Jun 05 j 23:20 | 0°♍ | | |
| greatest brilliancy | -12754 Dec 17 j 08:02 | 21°♌54'53 | -4.7m | | | -12751 Jun 29 j 22:24 | 0°♉ | | |
| | -12753 Jan 01 j 23:11 | 0°♍ | | | | -12751 Jul 24 j 01:40 | 0°♊ | | |
| morning max el | -12753 Jan 26 j 02:20 | 20°♍03'34 | 46°03'00 | | desc. node | -12751 Aug 13 j 14:08 | 25°♊14'44 | | |
| | -12753 Feb 05 j 06:39 | 0°♊ | | | | -12751 Aug 17 j 11:32 | 0°♋ | | |
| desc. node | -12753 Feb 27 j 03:41 | 23°♊03'55 | | | | -12751 Sep 11 j 07:15 | 0°♌ | | |
| | -12753 Mar 05 j 10:21 | 0°♎ | | | | -12751 Oct 06 j 19:49 | 0°♍ | | |
| | -12753 Mar 31 j 13:47 | 0°♈ | | | | -12751 Nov 02 j 20:47 | 0°♊ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|---------------------------|------------|---------------------|-----------------------|------------------------|------------|
| evening max el | -12751 Nov 15 j 18:04 | 13° Ω 06'43 | 45°03'24 | morning set | -12748 May 07 j 21:24 | 4° \approx 54'02 | |
| asc. node | -12751 Dec 02 j 18:42 | 28° Ω 20'10 | | asc. node | -12748 May 19 j 09:47 | 19° \approx 25'19 | |
| | -12751 Dec 04 j 21:52 | 0° \mathbb{M} | | | -12748 May 27 j 18:41 | 0° \mathbb{H} | |
| greatest brilliancy | -12751 Dec 23 j 00:26 | 10° \mathbb{M} 44'15 | -4.7m | | | | |
| retrograde | -12750 Jan 02 j 23:56 | 12° \mathbb{M} 54'39 | | superior conj | -12748 Jun 15 j 06:39 | 23° \mathbb{H} 24'07 | 0°56'49 |
| evening set | -12750 Jan 20 j 11:04 | 7° \mathbb{M} 12'24 | | minimum elong | -12748 Jun 14 j 20:26 | 22° \mathbb{H} 51'48 | 0°56'21 |
| inferior conj | -12750 Jan 24 j 10:45 | 4° \mathbb{M} 45'21 | 8°04'32 | max. Earth dist. | -12748 Jun 16 j 14:20 | 25° \mathbb{H} 04'20 | 1.70733 AU |
| minimum elong | -12750 Jan 24 j 08:19 | 4° \mathbb{M} 49'10 | 8°03'59 | | -12748 Jun 20 j 11:48 | 0° \mathbb{Y} | |
| min. Earth dist. | -12750 Jan 25 j 04:06 | 4° \mathbb{M} 18'06 | 0.29424 AU | | -12748 Jul 14 j 06:04 | 0° \mathbb{B} | |
| morning rise | -12750 Jan 28 j 05:19 | 2° \mathbb{M} 24'51 | | evening rise | -12748 Jul 26 j 13:20 | 15° \mathbb{B} 28'23 | |
| | -12750 Feb 01 j 12:03 | 30° \mathbb{R} Ω | | | -12748 Aug 07 j 03:41 | 0° \mathbb{I} | |
| direct | -12750 Feb 15 j 11:44 | 26° Ω 15'08 | | | -12748 Aug 31 j 06:09 | 0° \mathbb{G} | |
| greatest brilliancy | -12750 Feb 26 j 00:23 | 28° Ω 12'37 | -4.7m | desc. node | -12748 Sep 10 j 01:12 | 12° \mathbb{G} 06'26 | |
| | -12750 Mar 02 j 07:35 | 0° \mathbb{M} | | | -12748 Sep 24 j 14:11 | 0° Ω | |
| desc. node | -12750 Mar 26 j 15:54 | 17° \mathbb{M} 10'07 | | | -12748 Oct 19 j 04:26 | 0° \mathbb{M} | |
| morning max el | -12750 Apr 05 j 23:33 | 26° \mathbb{M} 44'14 | 46°21'34 | | -12748 Nov 13 j 03:26 | 0° Ω | |
| | -12750 Apr 09 j 07:08 | 0° \mathbb{X} | | | -12748 Dec 08 j 18:23 | 0° \mathbb{M} | |
| | -12750 May 07 j 06:43 | 0° \mathbb{Z} | | asc. node | -12748 Dec 30 j 04:15 | 23° \mathbb{M} 58'52 | |
| | -12750 Jun 01 j 22:22 | 0° \approx | | | -12747 Jan 04 j 18:28 | 0° \mathbb{X} | |
| | -12750 Jun 26 j 12:43 | 0° \mathbb{H} | | evening max el | -12747 Jan 26 j 07:10 | 21° \mathbb{X} 45'47 | 45°02'30 |
| asc. node | -12750 Jul 15 j 12:02 | 23° \mathbb{H} 35'30 | | | -12747 Feb 04 j 09:30 | 0° \mathbb{Z} | |
| | -12750 Jul 20 j 15:01 | 0° \mathbb{Y} | | greatest brilliancy | -12747 Mar 05 j 17:42 | 18° \mathbb{Z} 55'21 | -4.7m |
| | -12750 Aug 13 j 13:15 | 0° \mathbb{B} | | retrograde | -12747 Mar 15 j 15:11 | 20° \mathbb{Z} 38'23 | |
| | -12750 Sep 06 j 12:46 | 0° \mathbb{I} | | evening set | -12747 Mar 31 j 00:32 | 16° \mathbb{Z} 15'22 | |
| | -12750 Sep 30 j 16:27 | 0° \mathbb{G} | | inferior conj | -12747 Apr 05 j 15:48 | 13° \mathbb{Z} 02'37 | 3°59'23 |
| morning set | -12750 Oct 10 j 19:27 | 12° \mathbb{G} 30'18 | | minimum elong | -12747 Apr 05 j 23:50 | 12° \mathbb{Z} 50'44 | 3°56'30 |
| | -12750 Oct 25 j 00:42 | 0° Ω | | min. Earth dist. | -12747 Apr 06 j 19:33 | 12° \mathbb{Z} 21'34 | 0.27452 AU |
| desc. node | -12750 Nov 06 j 00:15 | 14° Ω 42'14 | | morning rise | -12747 Apr 11 j 22:09 | 9° \mathbb{Z} 28'08 | |
| | -12750 Nov 18 j 11:49 | 0° \mathbb{M} | | desc. node | -12747 Apr 23 j 03:00 | 5° \mathbb{Z} 28'42 | |
| | | | | direct | -12747 Apr 26 j 23:25 | 5° \mathbb{Z} 11'06 | |
| superior conj | -12750 Nov 20 j 11:03 | 2° \mathbb{M} 24'36 | -0°31'32 | greatest brilliancy | -12747 May 08 j 19:51 | 7° \mathbb{Z} 43'59 | -4.8m |
| minimum elong | -12750 Nov 20 j 04:31 | 2° \mathbb{M} 04'38 | 0°30'52 | | -12747 Jun 08 j 12:02 | 0° \approx | |
| max. Earth dist. | -12750 Nov 20 j 21:31 | 2° \mathbb{M} 56'41 | 1.73626 AU | morning max el | -12747 Jun 16 j 11:56 | 7° \approx 50'28 | 46°39'18 |
| | -12750 Dec 12 j 23:27 | 0° Ω | | | -12747 Jul 07 j 02:48 | 0° \mathbb{H} | |
| evening rise | -12750 Dec 27 j 18:42 | 18° Ω 09'16 | | | -12747 Aug 01 j 21:47 | 0° \mathbb{Y} | |
| | -12749 Jan 06 j 10:18 | 0° \mathbb{M} | | asc. node | -12747 Aug 12 j 02:06 | 12° \mathbb{Y} 13'25 | |
| greatest brilliancy | -12749 Jan 15 j 21:55 | 11° \mathbb{M} 38'35 | -3.9m | | -12747 Aug 26 j 17:29 | 0° \mathbb{B} | |
| | -12749 Jan 30 j 21:02 | 0° \mathbb{X} | | | -12747 Sep 20 j 05:55 | 0° \mathbb{I} | |
| | -12749 Feb 24 j 09:47 | 0° \mathbb{Z} | | | -12747 Oct 14 j 18:35 | 0° \mathbb{G} | |
| asc. node | -12749 Feb 24 j 22:32 | 0° \mathbb{Z} 38'53 | | | -12747 Nov 08 j 10:00 | 0° Ω | |
| | -12749 Mar 21 j 02:50 | 0° \approx | | | -12747 Dec 03 j 03:03 | 0° \mathbb{M} | |
| | -12749 Apr 15 j 02:26 | 0° \mathbb{H} | | desc. node | -12747 Dec 03 j 14:13 | 0° \mathbb{M} 33'56 | |
| | -12749 May 10 j 12:31 | 0° \mathbb{Y} | | morning set | -12747 Dec 22 j 06:39 | 23° \mathbb{M} 17'07 | |
| | -12749 Jun 05 j 20:14 | 0° \mathbb{B} | | | -12747 Dec 27 j 18:50 | 0° Ω | |
| desc. node | -12749 Jun 18 j 20:36 | 14° \mathbb{B} 04'50 | | | -12746 Jan 21 j 06:58 | 0° \mathbb{M} | |
| evening max el | -12749 Jun 25 j 04:07 | 20° \mathbb{B} 37'11 | 47°56'08 | max. Earth dist. | -12746 Jan 23 j 14:01 | 2° \mathbb{M} 49'13 | 1.73612 AU |
| | -12749 Jul 04 j 16:52 | 0° \mathbb{I} | | | | | |
| greatest brilliancy | -12749 Aug 05 j 23:39 | 23° \mathbb{I} 01'00 | -4.9m | superior conj | -12746 Jan 27 j 15:10 | 7° \mathbb{M} 48'03 | -1°20'11 |
| retrograde | -12749 Aug 15 j 12:06 | 24° \mathbb{I} 47'18 | | minimum elong | -12746 Jan 27 j 14:39 | 7° \mathbb{M} 46'27 | 1°20'41 |
| evening set | -12749 Sep 01 j 06:08 | 19° \mathbb{I} 09'23 | | | -12746 Feb 14 j 14:56 | 0° \mathbb{X} | |
| inferior conj | -12749 Sep 05 j 09:30 | 16° \mathbb{I} 33'01 | -6°50'27 | evening rise | -12746 Mar 03 j 11:22 | 20° \mathbb{X} 52'12 | |
| minimum elong | -12749 Sep 05 j 18:44 | 16° \mathbb{I} 18'13 | 6°47'54 | | -12746 Mar 10 j 20:03 | 0° \mathbb{Z} | |
| min. Earth dist. | -12749 Sep 04 j 20:39 | 16° \mathbb{I} 53'34 | 0.27455 AU | asc. node | -12746 Mar 24 j 10:02 | 16° \mathbb{Z} 51'09 | |
| morning rise | -12749 Sep 10 j 07:44 | 13° \mathbb{I} 29'37 | | | -12746 Apr 04 j 00:17 | 0° \approx | |
| direct | -12749 Sep 25 j 18:50 | 8° \mathbb{I} 37'30 | | | -12746 Apr 28 j 05:17 | 0° \mathbb{H} | |
| greatest brilliancy | -12749 Oct 05 j 03:25 | 10° \mathbb{I} 18'02 | -4.8m | | -12746 May 22 j 12:32 | 0° \mathbb{Y} | |
| asc. node | -12749 Oct 08 j 00:13 | 11° \mathbb{I} 24'36 | | | -12746 Jun 16 j 00:21 | 0° \mathbb{B} | |
| | -12749 Nov 03 j 11:13 | 0° \mathbb{G} | | | -12746 Jul 10 j 21:18 | 0° \mathbb{I} | |
| morning max el | -12749 Nov 14 j 03:11 | 9° \mathbb{G} 58'31 | 46°07'08 | desc. node | -12746 Jul 16 j 06:14 | 6° \mathbb{I} 22'56 | |
| | -12749 Dec 03 j 16:51 | 0° Ω | | | -12746 Aug 05 j 12:41 | 0° \mathbb{G} | |
| | -12749 Dec 31 j 01:47 | 0° \mathbb{M} | | | -12746 Sep 01 j 23:29 | 0° Ω | |
| | -12748 Jan 26 j 07:46 | 0° Ω | | evening max el | -12746 Sep 03 j 23:29 | 2° Ω 02'30 | 46°44'46 |
| desc. node | -12748 Jan 29 j 16:30 | 3° Ω 54'44 | | | -12746 Oct 07 j 12:04 | 0° \mathbb{M} | |
| | -12748 Feb 20 j 19:27 | 0° \mathbb{M} | | greatest brilliancy | -12746 Oct 13 j 07:05 | 2° \mathbb{M} 47'15 | -4.8m |
| | -12748 Mar 16 j 15:56 | 0° \mathbb{X} | | retrograde | -12746 Oct 24 j 09:27 | 5° \mathbb{M} 07'08 | |
| | -12748 Apr 10 j 00:13 | 0° \mathbb{Z} | | asc. node | -12746 Nov 04 j 11:00 | 2° \mathbb{M} 33'11 | |
| | -12748 May 03 j 23:54 | 0° \approx | | evening set | -12746 Nov 08 j 07:27 | 0° \mathbb{M} 33'48 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-------------------------------|------------|---------------------|-----------------------|-------------------------------|------------|
| | -12746 Nov 09 j 06:38 | 30° \mathbb{R} \mathbb{Q} | | superior conj | -12743 Apr 03 j 10:17 | 10° \mathbb{Z} 54'18 | -0°38'51 |
| min. Earth dist. | -12746 Nov 14 j 03:04 | 26° \mathbb{Q} 56'49 | 0.28931 AU | minimum elong | -12743 Apr 03 j 16:58 | 11° \mathbb{Z} 15'12 | 0°39'22 |
| inferior conj | -12746 Nov 14 j 13:00 | 26° \mathbb{Q} 40'43 | 2°17'30 | | -12743 Apr 18 j 16:11 | 0° \approx | |
| minimum elong | -12746 Nov 14 j 08:27 | 26° \mathbb{Q} 48'05 | 2°16'42 | asc. node | -12743 Apr 20 j 22:33 | 2° \approx 50'33 | |
| morning rise | -12746 Nov 20 j 10:10 | 23° \mathbb{Q} 01'01 | | evening rise | -12743 May 09 j 19:49 | 26° \approx 33'43 | |
| direct | -12746 Dec 05 j 23:31 | 18° \mathbb{Q} 15'07 | | | -12743 May 12 j 13:30 | 0° \mathbb{H} | |
| greatest brilliancy | -12746 Dec 14 j 23:36 | 19° \mathbb{Q} 45'05 | -4.7m | | -12743 Jun 05 j 10:49 | 0° \mathbb{Y} | |
| | -12745 Jan 02 j 16:25 | 0° \mathbb{M} | | | -12743 Jun 29 j 10:11 | 0° \mathbb{B} | |
| morning max el | -12745 Jan 23 j 18:33 | 17° \mathbb{M} 55'30 | 46°02'40 | | -12743 Jul 23 j 13:45 | 0° \mathbb{I} | |
| | -12745 Feb 05 j 01:36 | 0° \mathbb{L} | | desc. node | -12743 Aug 12 j 16:24 | 24° \mathbb{I} 43'46 | |
| desc. node | -12745 Feb 26 j 05:54 | 22° \mathbb{L} 28'07 | | | -12743 Aug 17 j 00:01 | 0° \mathbb{G} | |
| | -12745 Mar 05 j 00:57 | 0° \mathbb{M} | | | -12743 Sep 10 j 20:26 | 0° \mathbb{Q} | |
| | -12745 Mar 31 j 02:41 | 0° \mathbb{J} | | | -12743 Oct 06 j 10:27 | 0° \mathbb{M} | |
| | -12745 Apr 25 j 02:24 | 0° \mathbb{Z} | | | -12743 Nov 02 j 15:12 | 0° \mathbb{L} | |
| | -12745 May 19 j 09:52 | 0° \approx | | evening max el | -12743 Nov 13 j 08:50 | 10° \mathbb{L} 52'07 | 45°05'35 |
| greatest brilliancy | -12745 May 26 j 21:25 | 9° \approx 20'48 | -4.0m | asc. node | -12743 Dec 01 j 21:01 | 27° \mathbb{L} 17'54 | |
| | -12745 Jun 12 j 07:45 | 0° \mathbb{H} | | | -12743 Dec 05 j 11:34 | 0° \mathbb{M} | |
| asc. node | -12745 Jun 16 j 23:57 | 5° \mathbb{H} 54'05 | | greatest brilliancy | -12743 Dec 20 j 16:02 | 8° \mathbb{M} 35'53 | -4.7m |
| | -12745 Jul 06 j 01:15 | 0° \mathbb{Y} | | retrograde | -12743 Dec 31 j 16:52 | 10° \mathbb{M} 48'09 | |
| morning set | -12745 Jul 22 j 03:25 | 20° \mathbb{Y} 21'41 | | evening set | -12742 Jan 18 j 02:23 | 5° \mathbb{M} 07'01 | |
| | -12745 Jul 29 j 18:34 | 0° \mathbb{B} | | inferior conj | -12742 Jan 22 j 03:39 | 2° \mathbb{M} 37'37 | 8°01'42 |
| | -12745 Aug 22 j 14:53 | 0° \mathbb{I} | | minimum elong | -12742 Jan 22 j 00:35 | 2° \mathbb{M} 42'26 | 8°01'07 |
| | | | | min. Earth dist. | -12742 Jan 22 j 19:59 | 2° \mathbb{M} 11'58 | 0.29454 AU |
| superior conj | -12745 Sep 02 j 14:02 | 13° \mathbb{I} 42'37 | 1°08'54 | morning rise | -12742 Jan 25 j 22:32 | 0° \mathbb{M} 16'35 | |
| minimum elong | -12745 Sep 03 j 01:08 | 14° \mathbb{I} 17'16 | 1°09'24 | | -12742 Jan 26 j 09:34 | 30° \mathbb{R} \mathbb{L} | |
| max. Earth dist. | -12745 Sep 10 j 04:01 | 23° \mathbb{I} 09'43 | 1.71859 AU | direct | -12742 Feb 13 j 04:08 | 24° \mathbb{L} 06'32 | |
| | -12745 Sep 15 j 15:59 | 0° \mathbb{G} | | greatest brilliancy | -12742 Feb 23 j 16:09 | 26° \mathbb{L} 03'24 | -4.7m |
| desc. node | -12745 Oct 08 j 13:13 | 28° \mathbb{G} 19'06 | | | -12742 Mar 04 j 02:56 | 0° \mathbb{M} | |
| | -12745 Oct 09 j 21:57 | 0° \mathbb{Q} | | desc. node | -12742 Mar 25 j 17:58 | 16° \mathbb{M} 14'09 | |
| evening rise | -12745 Oct 15 j 13:30 | 6° \mathbb{Q} 57'33 | | morning max el | -12742 Apr 03 j 15:46 | 24° \mathbb{M} 32'26 | 46°20'57 |
| | -12745 Nov 03 j 07:37 | 0° \mathbb{M} | | | -12742 Apr 09 j 04:06 | 0° \mathbb{J} | |
| | -12745 Nov 27 j 20:06 | 0° \mathbb{L} | | | -12742 May 06 j 22:20 | 0° \mathbb{Z} | |
| | -12745 Dec 22 j 12:21 | 0° \mathbb{M} | | | -12742 Jun 01 j 12:00 | 0° \approx | |
| | -12744 Jan 16 j 11:54 | 0° \mathbb{J} | | | -12742 Jun 26 j 01:24 | 0° \mathbb{H} | |
| asc. node | -12744 Jan 27 j 14:18 | 13° \mathbb{J} 08'38 | | asc. node | -12742 Jul 14 j 14:22 | 23° \mathbb{H} 04'26 | |
| | -12744 Feb 11 j 00:32 | 0° \mathbb{Z} | | | -12742 Jul 20 j 03:12 | 0° \mathbb{Y} | |
| | -12744 Mar 08 j 11:23 | 0° \approx | | | -12742 Aug 13 j 01:09 | 0° \mathbb{B} | |
| | -12744 Apr 05 j 19:06 | 0° \mathbb{H} | | | -12742 Sep 06 j 00:28 | 0° \mathbb{I} | |
| evening max el | -12744 Apr 09 j 23:32 | 4° \mathbb{H} 07'44 | 46°42'40 | | -12742 Sep 30 j 03:58 | 0° \mathbb{G} | |
| | -12744 May 11 j 19:21 | 0° \mathbb{Y} | | morning set | -12742 Oct 08 j 06:35 | 10° \mathbb{G} 01'15 | |
| greatest brilliancy | -12744 May 20 j 11:44 | 4° \mathbb{Y} 01'25 | -4.9m | | -12742 Oct 24 j 12:03 | 0° \mathbb{Q} | |
| desc. node | -12744 May 20 j 13:20 | 4° \mathbb{Y} 02'46 | | desc. node | -12742 Nov 05 j 02:24 | 14° \mathbb{Q} 14'11 | |
| retrograde | -12744 May 30 j 03:47 | 5° \mathbb{Y} 44'33 | | | -12742 Nov 17 j 23:02 | 0° \mathbb{M} | |
| evening set | -12744 Jun 14 j 17:28 | 1° \mathbb{Y} 06'24 | | | | | |
| | -12744 Jun 16 j 16:23 | 30° \mathbb{R} \mathbb{H} | | superior conj | -12742 Nov 18 j 01:39 | 0° \mathbb{M} 08'02 | -0°28'27 |
| min. Earth dist. | -12744 Jun 19 j 03:24 | 28° \mathbb{H} 32'35 | 0.26337 AU | minimum elong | -12742 Nov 17 j 19:38 | 29° \mathbb{Q} 49'36 | 0°27'47 |
| inferior conj | -12744 Jun 19 j 21:10 | 28° \mathbb{H} 05'56 | -6°39'47 | max. Earth dist. | -12742 Nov 18 j 15:56 | 0° \mathbb{M} 51'44 | 1.73592 AU |
| minimum elong | -12744 Jun 19 j 11:07 | 28° \mathbb{H} 21'01 | 6°37'48 | | -12742 Dec 12 j 10:36 | 0° \mathbb{L} | |
| morning rise | -12744 Jun 24 j 04:55 | 25° \mathbb{H} 34'02 | | evening rise | -12742 Dec 25 j 13:17 | 16° \mathbb{L} 04'44 | |
| direct | -12744 Jul 10 j 02:39 | 20° \mathbb{H} 40'54 | | | -12741 Jan 05 j 21:32 | 0° \mathbb{M} | |
| greatest brilliancy | -12744 Jul 20 j 07:24 | 22° \mathbb{H} 39'07 | -4.9m | greatest brilliancy | -12741 Jan 15 j 14:18 | 11° \mathbb{M} 54'14 | -3.9m |
| | -12744 Aug 02 j 15:03 | 0° \mathbb{Y} | | | -12741 Jan 30 j 08:30 | 0° \mathbb{J} | |
| morning max el | -12744 Aug 29 j 11:55 | 23° \mathbb{Y} 49'55 | 46°29'32 | | -12741 Feb 23 j 21:39 | 0° \mathbb{Z} | |
| | -12744 Sep 04 j 10:49 | 0° \mathbb{B} | | asc. node | -12741 Feb 24 j 00:48 | 0° \mathbb{Z} 09'34 | |
| asc. node | -12744 Sep 08 j 14:50 | 4° \mathbb{B} 25'46 | | | -12741 Mar 20 j 15:23 | 0° \approx | |
| | -12744 Oct 01 j 14:18 | 0° \mathbb{I} | | | -12741 Apr 14 j 15:58 | 0° \mathbb{H} | |
| | -12744 Oct 27 j 11:13 | 0° \mathbb{G} | | | -12741 May 10 j 03:39 | 0° \mathbb{Y} | |
| | -12744 Nov 21 j 22:44 | 0° \mathbb{Q} | | | -12741 Jun 05 j 14:33 | 0° \mathbb{B} | |
| | -12744 Dec 17 j 05:53 | 0° \mathbb{M} | | desc. node | -12741 Jun 17 j 22:59 | 13° \mathbb{B} 15'41 | |
| desc. node | -12744 Dec 31 j 04:33 | 16° \mathbb{M} 38'34 | | evening max el | -12741 Jun 22 j 18:56 | 18° \mathbb{B} 14'33 | 47°56'14 |
| | -12743 Jan 11 j 07:46 | 0° \mathbb{L} | | | -12741 Jul 04 j 21:02 | 0° \mathbb{I} | |
| | -12743 Feb 05 j 02:20 | 0° \mathbb{M} | | greatest brilliancy | -12741 Aug 03 j 14:52 | 20° \mathbb{I} 37'12 | -4.9m |
| morning set | -12743 Feb 27 j 10:09 | 27° \mathbb{M} 23'16 | | retrograde | -12741 Aug 13 j 03:08 | 22° \mathbb{I} 23'29 | |
| | -12743 Mar 01 j 12:56 | 0° \mathbb{J} | | evening set | -12741 Aug 29 j 23:38 | 16° \mathbb{I} 41'21 | |
| | -12743 Mar 25 j 16:46 | 0° \mathbb{Z} | | min. Earth dist. | -12741 Sep 02 j 10:47 | 14° \mathbb{I} 31'04 | 0.27413 AU |
| max. Earth dist. | -12743 Mar 30 j 01:25 | 5° \mathbb{Z} 26'37 | 1.72143 AU | inferior conj | -12741 Sep 03 j 00:09 | 14° \mathbb{I} 09'45 | -7°03'45 |
| | | | | minimum elong | -12741 Sep 03 j 09:14 | 13° \mathbb{I} 55'15 | 7°01'20 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|---------------------------|------------|
| morning rise | -12741 Sep 07 j 19:13 | 11° Π 11'35 | | | -12738 Apr 03 j 11:49 | 0° \approx | |
| direct | -12741 Sep 23 j 08:53 | 6° Π 15'14 | | | -12738 Apr 27 j 17:14 | 0° H | |
| greatest brilliancy | -12741 Oct 02 j 17:46 | 7° Π 56'27 | -4.8m | | -12738 May 22 j 00:59 | 0° Υ | |
| asc. node | -12741 Oct 07 j 02:27 | 9° Π 43'46 | | | -12738 Jun 15 j 13:27 | 0° B | |
| | -12741 Nov 03 j 15:17 | 0° E | | | -12738 Jul 10 j 11:23 | 0° Π | |
| morning max el | -12741 Nov 11 j 19:04 | 7° E 43'37 | 46°07'42 | desc. node | -12738 Jul 15 j 08:33 | 5° Π 47'18 | |
| | -12741 Dec 03 j 10:33 | 0° Ω | | | -12738 Aug 05 j 04:41 | 0° E | |
| | -12741 Dec 30 j 16:15 | 0° M | | evening max el | -12738 Sep 01 j 15:42 | 29° E 47'18 | 46°48'39 |
| | -12740 Jan 25 j 20:43 | 0° E | | | -12738 Sep 01 j 20:42 | 0° Ω | |
| desc. node | -12740 Jan 28 j 18:39 | 3° E 23'42 | | | -12738 Oct 09 j 13:14 | 0° M | |
| | -12740 Feb 20 j 07:34 | 0° M | | greatest brilliancy | -12738 Oct 11 j 02:22 | 0° M 39'05 | -4.8m |
| | -12740 Mar 16 j 03:35 | 0° A | | retrograde | -12738 Oct 22 j 02:58 | 2° M 57'13 | |
| | -12740 Apr 09 j 11:38 | 0° B | | | -12738 Nov 03 j 00:44 | 30° R Ω | |
| | -12740 May 03 j 11:15 | 0° \approx | | asc. node | -12738 Nov 03 j 13:18 | 29° Ω 44'34 | |
| morning set | -12740 May 05 j 13:56 | 2° \approx 39'23 | | evening set | -12738 Nov 06 j 00:47 | 28° Ω 24'38 | |
| asc. node | -12740 May 18 j 12:01 | 18° \approx 56'32 | | inferior conj | -12738 Nov 12 j 06:28 | 24° Ω 31'00 | 1°59'28 |
| | -12740 May 27 j 06:02 | 0° H | | minimum elong | -12738 Nov 12 j 02:29 | 24° Ω 37'29 | 1°58'50 |
| | | | | min. Earth dist. | -12738 Nov 11 j 20:21 | 24° Ω 47'26 | 0.28881 AU |
| superior conj | -12740 Jun 12 j 19:13 | 20° H 56'01 | 0°54'06 | morning rise | -12738 Nov 18 j 04:53 | 20° Ω 49'09 | |
| minimum elong | -12740 Jun 12 j 09:13 | 20° H 24'23 | 0°53'35 | direct | -12738 Dec 03 j 16:13 | 16° Ω 06'22 | |
| max. Earth dist. | -12740 Jun 13 j 21:43 | 22° H 19'49 | 1.70741 AU | greatest brilliancy | -12738 Dec 12 j 15:54 | 17° Ω 35'50 | -4.7m |
| | -12740 Jun 19 j 23:12 | 0° Υ | | | -12737 Jan 03 j 05:28 | 0° M | |
| | -12740 Jul 13 j 17:31 | 0° B | | morning max el | -12737 Jan 21 j 10:18 | 15° M 45'42 | 46°02'14 |
| evening rise | -12740 Jul 23 j 21:33 | 12° B 47'24 | | | -12737 Feb 04 j 20:16 | 0° E | |
| | -12740 Aug 06 j 15:12 | 0° Π | | desc. node | -12737 Feb 25 j 07:56 | 21° E 51'25 | |
| | -12740 Aug 30 j 17:47 | 0° E | | | -12737 Mar 04 j 15:38 | 0° M | |
| desc. node | -12740 Sep 09 j 03:19 | 11° E 36'53 | | | -12737 Mar 30 j 15:43 | 0° A | |
| | -12740 Sep 24 j 02:00 | 0° Ω | | | -12737 Apr 24 j 14:38 | 0° B | |
| | -12740 Oct 18 j 16:35 | 0° M | | | -12737 May 18 j 21:42 | 0° \approx | |
| | -12740 Nov 12 j 16:15 | 0° E | | greatest brilliancy | -12737 May 30 j 17:44 | 14° \approx 48'37 | -3.9m |
| | -12740 Dec 08 j 08:37 | 0° M | | | -12737 Jun 11 j 19:23 | 0° H | |
| asc. node | -12740 Dec 29 j 06:43 | 23° M 20'35 | | asc. node | -12737 Jun 16 j 02:13 | 5° H 24'35 | |
| | -12739 Jan 04 j 12:07 | 0° A | | | -12737 Jul 05 j 12:47 | 0° Υ | |
| evening max el | -12739 Jan 23 j 22:17 | 19° A 31'59 | 45°00'31 | morning set | -12737 Jul 19 j 12:56 | 17° Υ 43'37 | |
| | -12739 Feb 04 j 15:44 | 0° B | | | -12737 Jul 29 j 06:03 | 0° B | |
| greatest brilliancy | -12739 Mar 03 j 06:07 | 16° B 36'19 | -4.7m | | -12737 Aug 22 j 02:19 | 0° Π | |
| retrograde | -12739 Mar 13 j 04:09 | 18° B 19'19 | | | | | |
| evening set | -12739 Mar 28 j 16:16 | 13° B 52'56 | | superior conj | -12737 Aug 30 j 22:22 | 11° Π 03'14 | 1°11'02 |
| inferior conj | -12739 Apr 03 j 05:06 | 10° B 42'45 | 4°17'58 | minimum elong | -12737 Aug 31 j 09:00 | 11° Π 36'25 | 1°11'33 |
| minimum elong | -12739 Apr 03 j 13:32 | 10° B 30'14 | 4°15'01 | max. Earth dist. | -12737 Sep 07 j 16:00 | 20° Π 42'05 | 1.71780 AU |
| min. Earth dist. | -12739 Apr 04 j 09:34 | 10° B 00'30 | 0.27533 AU | | -12737 Sep 15 j 03:22 | 0° E | |
| morning rise | -12739 Apr 09 j 09:54 | 7° B 09'45 | | desc. node | -12737 Oct 07 j 15:29 | 27° E 51'09 | |
| desc. node | -12739 Apr 22 j 05:18 | 2° B 56'22 | | | -12737 Oct 09 j 09:16 | 0° Ω | |
| direct | -12739 Apr 24 j 14:15 | 2° B 49'44 | | evening rise | -12737 Oct 13 j 00:44 | 4° Ω 29'32 | |
| greatest brilliancy | -12739 May 06 j 09:35 | 5° B 21'21 | -4.8m | | -12737 Nov 02 j 18:55 | 0° M | |
| | -12739 Jun 08 j 14:21 | 0° \approx | | | -12737 Nov 27 j 07:31 | 0° E | |
| morning max el | -12739 Jun 14 j 02:11 | 5° \approx 26'31 | 46°39'07 | | -12737 Dec 22 j 00:09 | 0° M | |
| | -12739 Jul 06 j 20:24 | 0° H | | | -12736 Jan 16 j 00:26 | 0° A | |
| | -12739 Aug 01 j 12:31 | 0° Υ | | asc. node | -12736 Jan 26 j 16:30 | 12° A 36'51 | |
| asc. node | -12739 Aug 11 j 04:11 | 11° Υ 37'14 | | | -12736 Feb 10 j 14:27 | 0° B | |
| | -12739 Aug 26 j 06:50 | 0° B | | | -12736 Mar 08 j 04:00 | 0° \approx | |
| | -12739 Sep 19 j 18:28 | 0° Π | | | -12736 Apr 05 j 18:27 | 0° H | |
| | -12739 Oct 14 j 06:36 | 0° E | | evening max el | -12736 Apr 07 j 11:31 | 1° H 40'18 | 46°38'32 |
| | -12739 Nov 07 j 21:40 | 0° Ω | | | -12736 May 14 j 04:52 | 0° Υ | |
| desc. node | -12739 Dec 02 j 16:27 | 0° M 06'06 | | greatest brilliancy | -12736 May 17 j 23:40 | 1° Υ 30'13 | -4.9m |
| | -12739 Dec 02 j 14:26 | 0° M | | desc. node | -12736 May 19 j 15:39 | 2° Υ 01'43 | |
| morning set | -12739 Dec 19 j 23:35 | 21° M 08'18 | | retrograde | -12736 May 27 j 14:42 | 3° Υ 12'40 | |
| | -12739 Dec 27 j 06:02 | 0° E | | | -12736 Jun 09 j 11:01 | 30° R H | |
| | -12738 Jan 20 j 18:03 | 0° M | | evening set | -12736 Jun 12 j 01:20 | 28° H 40'11 | |
| max. Earth dist. | -12738 Jan 21 j 11:33 | 0° M 53'47 | 1.73640 AU | min. Earth dist. | -12736 Jun 16 j 16:29 | 25° H 59'43 | 0.26327 AU |
| | | | | inferior conj | -12736 Jun 17 j 08:47 | 25° H 35'19 | -6°23'31 |
| superior conj | -12738 Jan 25 j 10:48 | 5° M 46'38 | -1°20'03 | minimum elong | -12736 Jun 16 j 22:36 | 25° H 50'33 | 6°21'27 |
| minimum elong | -12738 Jan 25 j 09:43 | 5° M 43'18 | 1°20'32 | morning rise | -12736 Jun 21 j 19:54 | 22° H 58'49 | |
| | -12738 Feb 14 j 02:01 | 0° A | | direct | -12736 Jul 07 j 14:01 | 18° H 10'11 | |
| evening rise | -12738 Mar 01 j 07:13 | 18° A 50'15 | | greatest brilliancy | -12736 Jul 17 j 21:47 | 20° H 10'40 | -4.9m |
| | -12738 Mar 10 j 07:17 | 0° B | | | -12736 Aug 03 j 13:28 | 0° Υ | |
| asc. node | -12738 Mar 23 j 12:14 | 16° B 22'39 | | morning max el | -12736 Aug 26 j 23:42 | 21° Υ 18'17 | 46°30'23 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|--|--|---------------------|-----------------------|-----------|------------|--|--|
| | -12736 Sep 04 j 07:43 | 0°♄ | | | | | -12733 Feb 23 j 09:16 | 0°♄ | | | |
| asc. node | -12736 Sep 07 j 17:03 | 3°♄38'13 | | | | | -12733 Mar 20 j 03:42 | 0°♄ | | | |
| | -12736 Oct 01 j 06:16 | 0°♄ | | | | | -12733 Apr 14 j 05:22 | 0°♄ | | | |
| | -12736 Oct 27 j 01:03 | 0°♄ | | | | | -12733 May 09 j 18:49 | 0°♄ | | | |
| | -12736 Nov 21 j 11:24 | 0°♄ | | | | | -12733 Jun 05 j 09:10 | 0°♄ | | | |
| | -12736 Dec 16 j 17:47 | 0°♄ | | | | desc. node | -12733 Jun 17 j 01:16 | 12°♄25'47 | | | |
| desc. node | -12736 Dec 30 j 06:41 | 16°♄10'14 | | | | evening max el | -12733 Jun 20 j 10:48 | 15°♄54'54 | 47°56'05 | | |
| | -12735 Jan 10 j 19:10 | 0°♄ | | | | | -12733 Jul 05 j 02:56 | 0°♄ | | | |
| | -12735 Feb 04 j 13:28 | 0°♄ | | | | greatest brilliancy | -12733 Aug 01 j 05:34 | 18°♄12'51 | -4.9m | | |
| morning set | -12735 Feb 25 j 05:49 | 25°♄21'53 | | | | retrograde | -12733 Aug 10 j 18:24 | 19°♄59'20 | | | |
| | -12735 Feb 28 j 23:56 | 0°♄ | | | | evening set | -12733 Aug 27 j 16:55 | 14°♄13'13 | | | |
| | -12735 Mar 25 j 03:47 | 0°♄ | | | | min. Earth dist. | -12733 Aug 31 j 00:27 | 12°♄08'44 | 0.27368 AU | | |
| max. Earth dist. | -12735 Mar 27 j 20:22 | 3°♄21'31 | 1.72207 AU | | | inferior conj | -12733 Aug 31 j 14:35 | 11°♄46'13 | -7°16'22 | | |
| | | | | | | minimum elong | -12733 Aug 31 j 23:27 | 11°♄32'07 | 7°14'07 | | |
| superior conj | -12735 Apr 01 j 05:11 | 8°♄48'51 | -0°41'28 | | | morning rise | -12733 Sep 05 j 06:22 | 8°♄53'28 | | | |
| minimum elong | -12735 Apr 01 j 12:07 | 9°♄10'34 | 0°41'59 | | | direct | -12733 Sep 20 j 23:10 | 3°♄52'58 | | | |
| | -12735 Apr 18 j 03:17 | 0°♄ | | | | greatest brilliancy | -12733 Sep 30 j 07:27 | 5°♄34'12 | -4.8m | | |
| asc. node | -12735 Apr 20 j 00:51 | 2°♄22'54 | | | | asc. node | -12733 Oct 06 j 04:50 | 8°♄07'01 | | | |
| evening rise | -12735 May 07 j 12:06 | 24°♄18'51 | | | | | -12733 Nov 03 j 17:33 | 0°♄ | | | |
| | -12735 May 12 j 00:46 | 0°♄ | | | | morning max el | -12733 Nov 09 j 11:05 | 5°♄29'33 | 46°08'16 | | |
| | -12735 Jun 04 j 22:18 | 0°♄ | | | | | -12733 Dec 03 j 03:39 | 0°♄ | | | |
| | -12735 Jun 28 j 21:55 | 0°♄ | | | | | -12733 Dec 30 j 06:19 | 0°♄ | | | |
| | -12735 Jul 23 j 01:49 | 0°♄ | | | | desc. node | -12732 Jan 25 j 09:18 | 0°♄ | | | |
| desc. node | -12735 Aug 11 j 18:32 | 24°♄12'27 | | | | | -12732 Jan 27 j 20:41 | 2°♄53'12 | | | |
| | -12735 Aug 16 j 12:30 | 0°♄ | | | | | -12732 Feb 19 j 19:20 | 0°♄ | | | |
| | -12735 Sep 10 j 09:39 | 0°♄ | | | | | -12732 Mar 15 j 14:53 | 0°♄ | | | |
| | -12735 Oct 06 j 01:10 | 0°♄ | | | | | -12732 Apr 08 j 22:42 | 0°♄ | | | |
| | -12735 Nov 02 j 09:56 | 0°♄ | | | | | -12732 May 02 j 22:15 | 0°♄ | | | |
| evening max el | -12735 Nov 11 j 00:39 | 8°♄40'37 | 45°08'02 | | | morning set | -12732 May 03 j 06:52 | 0°♄27'03 | | | |
| asc. node | -12735 Nov 30 j 23:27 | 26°♄15'01 | | | | asc. node | -12732 May 17 j 14:18 | 18°♄28'52 | | | |
| | -12735 Dec 06 j 05:27 | 0°♄ | | | | | -12732 May 26 j 17:06 | 0°♄ | | | |
| greatest brilliancy | -12735 Dec 18 j 07:24 | 6°♄28'24 | -4.7m | | | | | | | | |
| retrograde | -12735 Dec 29 j 10:30 | 8°♄43'02 | | | | superior conj | -12732 Jun 10 j 08:02 | 18°♄29'31 | 0°51'17 | | |
| evening set | -12734 Jan 15 j 17:49 | 3°♄03'20 | | | | minimum elong | -12732 Jun 09 j 22:20 | 17°♄58'51 | 0°50'45 | | |
| inferior conj | -12734 Jan 19 j 20:49 | 0°♄31'14 | 7°58'12 | | | max. Earth dist. | -12732 Jun 11 j 02:18 | 19°♄27'18 | 1.70760 AU | | |
| minimum elong | -12734 Jan 19 j 17:09 | 0°♄37'01 | 7°57'35 | | | | -12732 Jun 19 j 10:23 | 0°♄ | | | |
| min. Earth dist. | -12734 Jan 20 j 11:44 | 0°♄07'49 | 0.29481 AU | | | | -12732 Jul 13 j 04:47 | 0°♄ | | | |
| | -12734 Jan 20 j 16:44 | 30°♄ | | | | evening rise | -12732 Jul 21 j 05:32 | 10°♄06'13 | | | |
| morning rise | -12734 Jan 23 j 16:15 | 28°♄09'24 | | | | | -12732 Aug 06 j 02:34 | 0°♄ | | | |
| direct | -12734 Feb 10 j 21:18 | 21°♄59'31 | | | | | -12732 Aug 30 j 05:14 | 0°♄ | | | |
| greatest brilliancy | -12734 Feb 21 j 07:37 | 23°♄55'17 | -4.7m | | | desc. node | -12732 Sep 08 j 05:39 | 11°♄08'35 | | | |
| | -12734 Mar 05 j 08:07 | 0°♄ | | | | | -12732 Sep 23 j 13:38 | 0°♄ | | | |
| desc. node | -12734 Mar 24 j 20:17 | 15°♄20'43 | | | | | -12732 Oct 18 j 04:33 | 0°♄ | | | |
| morning max el | -12734 Apr 01 j 08:55 | 22°♄23'52 | 46°20'04 | | | | -12732 Nov 12 j 04:54 | 0°♄ | | | |
| | -12734 Apr 09 j 00:10 | 0°♄ | | | | | -12732 Dec 07 j 22:43 | 0°♄ | | | |
| | -12734 May 06 j 13:37 | 0°♄ | | | | asc. node | -12732 Dec 28 j 08:58 | 22°♄42'07 | | | |
| | -12734 Jun 01 j 01:27 | 0°♄ | | | | | -12731 Jan 04 j 05:48 | 0°♄ | | | |
| | -12734 Jun 25 j 13:57 | 0°♄ | | | | evening max el | -12731 Jan 21 j 13:09 | 17°♄18'39 | 44°58'45 | | |
| asc. node | -12734 Jul 13 j 16:30 | 22°♄33'04 | | | | | -12731 Feb 04 j 23:43 | 0°♄ | | | |
| | -12734 Jul 19 j 15:15 | 0°♄ | | | | | | | | | |
| | -12734 Aug 12 j 12:54 | 0°♄ | | | | greatest brilliancy | -12731 Feb 28 j 19:26 | 14°♄20'11 | -4.7m | | |
| | -12734 Sep 05 j 11:59 | 0°♄ | | | | retrograde | -12731 Mar 10 j 16:55 | 16°♄02'45 | | | |
| | -12734 Sep 29 j 15:18 | 0°♄ | | | | evening set | -12731 Mar 26 j 08:26 | 11°♄32'55 | | | |
| morning set | -12734 Oct 05 j 17:33 | 7°♄32'01 | | | | inferior conj | -12731 Mar 31 j 18:50 | 8°♄25'34 | 4°35'39 | | |
| | -12734 Oct 23 j 23:13 | 0°♄ | | | | minimum elong | -12731 Apr 01 j 03:36 | 8°♄12'29 | 4°32'43 | | |
| desc. node | -12734 Nov 04 j 04:37 | 13°♄46'54 | | | | min. Earth dist. | -12731 Apr 02 j 00:10 | 7°♄41'51 | 0.27610 AU | | |
| | | | | | | morning rise | -12731 Apr 06 j 21:50 | 4°♄54'08 | | | |
| superior conj | -12734 Nov 15 j 16:08 | 27°♄51'29 | -0°25'19 | | | desc. node | -12731 Apr 21 j 07:33 | 0°♄31'59 | | | |
| minimum elong | -12734 Nov 15 j 10:40 | 27°♄34'44 | 0°24'37 | | | direct | -12731 Apr 22 j 04:59 | 0°♄31'03 | | | |
| max. Earth dist. | -12734 Nov 16 j 10:49 | 28°♄48'45 | 1.73556 AU | | | greatest brilliancy | -12731 May 03 j 23:58 | 3°♄01'41 | -4.8m | | |
| | -12734 Nov 17 j 10:05 | 0°♄ | | | | | -12731 Jun 08 j 14:46 | 0°♄ | | | |
| | -12734 Dec 11 j 21:35 | 0°♄ | | | | morning max el | -12731 Jun 11 j 15:34 | 3°♄01'57 | 46°38'42 | | |
| evening rise | -12734 Dec 23 j 08:00 | 14°♄01'20 | | | | | -12731 Jul 06 j 13:15 | 0°♄ | | | |
| | -12733 Jan 05 j 08:32 | 0°♄ | | | | asc. node | -12731 Aug 01 j 02:48 | 0°♄ | | | |
| greatest brilliancy | -12733 Jan 15 j 09:03 | 12°♄17'52 | -3.9m | | | | -12731 Aug 10 j 06:23 | 11°♄02'21 | | | |
| | -12733 Jan 29 j 19:42 | 0°♄ | | | | | -12731 Aug 25 j 19:52 | 0°♄ | | | |
| asc. node | -12733 Feb 23 j 03:04 | 29°♄41'08 | | | | | -12731 Sep 19 j 06:46 | 0°♄ | | | |
| | | | | | | | -12731 Oct 13 j 18:25 | 0°♄ | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12731 Nov 07 j 09:06 | 0°♌ | | greatest brilliancy | -12728 May 15 j 11:10 | 28°♋59'21 | -4.9m |
| desc. node | -12731 Dec 01 j 18:33 | 29°♌38'38 | | desc. node | -12728 May 18 j 17:54 | 29°♋56'17 | |
| | -12731 Dec 02 j 01:35 | 0°♍ | | | -12728 May 19 j 00:21 | 0°♍ | |
| morning set | -12731 Dec 17 j 16:08 | 18°♍59'08 | | retrograde | -12728 May 25 j 02:02 | 0°♍41'57 | |
| | -12731 Dec 26 j 16:58 | 0°♎ | | | -12728 May 31 j 00:21 | 30°♎ | |
| max. Earth dist. | -12730 Jan 19 j 07:26 | 28°♎54'07 | 1.73666 AU | evening set | -12728 Jun 09 j 09:23 | 26°♎14'27 | |
| | -12730 Jan 20 j 04:52 | 0°♏ | | min. Earth dist. | -12728 Jun 14 j 05:21 | 23°♎28'01 | 0.26316 AU |
| | | | | inferior conj | -12728 Jun 14 j 20:23 | 23°♎05'36 | -6°06'30 |
| superior conj | -12730 Jan 23 j 06:19 | 3°♏45'44 | -1°19'49 | minimum elong | -12728 Jun 14 j 10:10 | 23°♎20'50 | 6°04'20 |
| minimum elong | -12730 Jan 23 j 04:41 | 3°♏40'43 | 1°20'16 | morning rise | -12728 Jun 19 j 10:56 | 20°♎24'47 | |
| | -12730 Feb 13 j 12:51 | 0°♐ | | direct | -12728 Jul 05 j 01:38 | 15°♎40'19 | |
| evening rise | -12730 Feb 27 j 03:11 | 16°♐49'32 | | greatest brilliancy | -12728 Jul 15 j 11:57 | 17°♎43'09 | -4.9m |
| | -12730 Mar 09 j 18:16 | 0°♑ | | | -12728 Aug 04 j 05:39 | 0°♑ | |
| asc. node | -12730 Mar 22 j 14:37 | 15°♑55'39 | | morning max el | -12728 Aug 24 j 12:21 | 18°♑49'50 | 46°31'11 |
| | -12730 Apr 02 j 23:04 | 0°♒ | | | -12728 Sep 04 j 03:38 | 0°♒ | |
| | -12730 Apr 27 j 04:50 | 0°♓ | | asc. node | -12728 Sep 06 j 19:26 | 2°♒52'45 | |
| | -12730 May 21 j 13:04 | 0°♑ | | | -12728 Sep 30 j 21:44 | 0°♑ | |
| | -12730 Jun 15 j 02:14 | 0°♒ | | | -12728 Oct 26 j 14:38 | 0°♑ | |
| | -12730 Jul 10 j 01:17 | 0°♑ | | | -12728 Nov 20 j 23:54 | 0°♌ | |
| desc. node | -12730 Jul 14 j 10:42 | 5°♑11'49 | | | -12728 Dec 16 j 05:36 | 0°♍ | |
| | -12730 Aug 04 j 20:43 | 0°♑ | | desc. node | -12728 Dec 29 j 08:45 | 15°♍41'45 | |
| evening max el | -12730 Aug 30 j 06:54 | 27°♑29'36 | 46°52'18 | | -12727 Jan 10 j 06:32 | 0°♎ | |
| | -12730 Sep 01 j 18:36 | 0°♌ | | | -12727 Feb 04 j 00:32 | 0°♏ | |
| greatest brilliancy | -12730 Oct 08 j 21:38 | 28°♌30'11 | -4.8m | morning set | -12727 Feb 23 j 01:05 | 23°♏19'33 | |
| | -12730 Oct 13 j 13:37 | 0°♍ | | | -12727 Feb 28 j 10:53 | 0°♐ | |
| retrograde | -12730 Oct 19 j 19:51 | 0°♍46'23 | | | -12727 Mar 24 j 14:44 | 0°♑ | |
| | -12730 Oct 25 j 21:39 | 30°♎ | | max. Earth dist. | -12727 Mar 25 j 15:43 | 1°♑17'55 | 1.72269 AU |
| asc. node | -12730 Nov 02 j 15:39 | 26°♌50'40 | | | | | |
| evening set | -12730 Nov 03 j 17:53 | 26°♌14'10 | | superior conj | -12727 Mar 29 j 23:51 | 6°♑43'00 | -0°44'01 |
| inferior conj | -12730 Nov 09 j 23:36 | 22°♌20'28 | 1°41'02 | minimum elong | -12727 Mar 30 j 07:02 | 7°♑05'25 | 0°44'33 |
| minimum elong | -12730 Nov 09 j 20:12 | 22°♌26'00 | 1°40'34 | | -12727 Apr 17 j 14:19 | 0°♒ | |
| min. Earth dist. | -12730 Nov 09 j 13:39 | 22°♌36'39 | 0.28831 AU | asc. node | -12727 Apr 19 j 03:05 | 1°♒55'12 | |
| morning rise | -12730 Nov 15 j 23:11 | 18°♌36'34 | | evening rise | -12727 May 05 j 04:26 | 22°♒04'18 | |
| direct | -12730 Dec 01 j 08:04 | 13°♌56'38 | | | -12727 May 11 j 11:59 | 0°♓ | |
| greatest brilliancy | -12730 Dec 10 j 08:27 | 15°♌26'23 | -4.7m | | -12727 Jun 04 j 09:44 | 0°♑ | |
| | -12729 Jan 03 j 15:12 | 0°♍ | | | -12727 Jun 28 j 09:35 | 0°♒ | |
| morning max el | -12729 Jan 19 j 01:28 | 13°♍34'45 | 46°01'59 | | -12727 Jul 22 j 13:45 | 0°♑ | |
| | -12729 Feb 04 j 14:19 | 0°♎ | | desc. node | -12727 Aug 10 j 20:57 | 23°♑42'27 | |
| desc. node | -12729 Feb 24 j 10:14 | 21°♎16'17 | | | -12727 Aug 16 j 00:51 | 0°♑ | |
| | -12729 Mar 04 j 05:56 | 0°♏ | | | -12727 Sep 09 j 22:46 | 0°♌ | |
| | -12729 Mar 30 j 04:26 | 0°♐ | | | -12727 Oct 05 j 15:56 | 0°♍ | |
| | -12729 Apr 24 j 02:36 | 0°♑ | | | -12727 Nov 02 j 05:10 | 0°♎ | |
| | -12729 May 18 j 09:14 | 0°♒ | | evening max el | -12727 Nov 08 j 17:08 | 6°♎30'40 | 45°10'19 |
| greatest brilliancy | -12729 Jun 01 j 20:44 | 18°♒08'25 | -3.9m | asc. node | -12727 Nov 30 j 01:41 | 25°♎09'43 | |
| | -12729 Jun 11 j 06:42 | 0°♓ | | | -12727 Dec 07 j 06:16 | 0°♏ | |
| asc. node | -12729 Jun 15 j 04:21 | 4°♓55'38 | | greatest brilliancy | -12727 Dec 15 j 22:49 | 4°♏20'22 | -4.7m |
| | -12729 Jul 04 j 24:00 | 0°♑ | | retrograde | -12727 Dec 27 j 04:03 | 6°♏36'51 | |
| morning set | -12729 Jul 16 j 22:58 | 15°♑08'07 | | evening set | -12726 Jan 13 j 08:55 | 0°♏59'09 | |
| | -12729 Jul 28 j 17:13 | 0°♒ | | | -12726 Jan 15 j 00:07 | 30°♒ | |
| | -12729 Aug 21 j 13:29 | 0°♑ | | inferior conj | -12726 Jan 17 j 13:48 | 28°♎23'54 | 7°54'03 |
| superior conj | -12729 Aug 28 j 06:46 | 8°♑24'39 | 1°13'00 | minimum elong | -12726 Jan 17 j 09:31 | 28°♎30'37 | 7°53'23 |
| minimum elong | -12729 Aug 28 j 16:50 | 8°♑56'06 | 1°13'33 | min. Earth dist. | -12726 Jan 18 j 03:04 | 28°♎03'03 | 0.29505 AU |
| max. Earth dist. | -12729 Sep 05 j 00:48 | 18°♑05'11 | 1.71711 AU | morning rise | -12726 Jan 21 j 09:59 | 26°♎00'52 | |
| | -12729 Sep 14 j 14:32 | 0°♑ | | direct | -12726 Feb 08 j 14:39 | 19°♎51'45 | |
| desc. node | -12729 Oct 06 j 17:43 | 27°♑23'38 | | greatest brilliancy | -12726 Feb 18 j 22:21 | 21°♎45'41 | -4.7m |
| | -12729 Oct 08 j 20:26 | 0°♌ | | | -12726 Mar 06 j 05:43 | 0°♏ | |
| evening rise | -12729 Oct 10 j 11:20 | 1°♌59'53 | | desc. node | -12726 Mar 23 j 22:31 | 14°♏27'40 | |
| | -12729 Nov 02 j 06:07 | 0°♍ | | morning max el | -12726 Mar 30 j 02:01 | 20°♏15'03 | 46°19'11 |
| | -12729 Nov 26 j 18:52 | 0°♎ | | | -12726 Apr 08 j 19:46 | 0°♐ | |
| | -12729 Dec 21 j 11:52 | 0°♏ | | | -12726 May 06 j 04:45 | 0°♑ | |
| | -12728 Jan 15 j 12:55 | 0°♐ | | | -12726 May 31 j 14:49 | 0°♒ | |
| asc. node | -12728 Jan 25 j 18:49 | 12°♐05'37 | | | -12726 Jun 25 j 02:27 | 0°♓ | |
| | -12728 Feb 10 j 04:22 | 0°♑ | | asc. node | -12726 Jul 12 j 18:36 | 22°♓01'40 | |
| | -12728 Mar 07 j 20:46 | 0°♒ | | | -12726 Jul 19 j 03:17 | 0°♑ | |
| evening max el | -12728 Apr 04 j 23:30 | 29°♒13'38 | 46°34'33 | | -12726 Aug 12 j 00:38 | 0°♒ | |
| | -12728 Apr 05 j 18:40 | 0°♓ | | | -12726 Sep 04 j 23:29 | 0°♑ | |
| | | | | | -12726 Sep 29 j 02:36 | 0°♑ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|----------------------|------------|
| morning set | -12726 Oct 03 j 04:51 | 5° ☿ 03'52 | | minimum elong | -12723 Mar 29 j 17:34 | 5° ☿ 54'05 | 4°49'52 |
| | -12726 Oct 23 j 10:21 | 0° Ω | | min. Earth dist. | -12723 Mar 30 j 15:00 | 5° ☿ 22'06 | 0.27694 AU |
| desc. node | -12726 Nov 03 j 06:45 | 13° Ω 19'24 | | morning rise | -12723 Apr 04 j 09:36 | 2° ☿ 38'02 | |
| | | | | | -12723 Apr 10 j 03:21 | 30° ☿ | |
| superior conj | -12726 Nov 13 j 06:35 | 25° Ω 34'49 | -0°22'08 | direct | -12723 Apr 19 j 19:19 | 28° ☿ 11'17 | |
| minimum elong | -12726 Nov 13 j 01:43 | 25° Ω 19'54 | 0°21'26 | desc. node | -12723 Apr 20 j 09:42 | 28° ☿ 11'42 | |
| max. Earth dist. | -12726 Nov 14 j 08:00 | 26° Ω 52'45 | 1.73524 AU | | -12723 Apr 29 j 18:43 | 0° ☿ | |
| | -12726 Nov 16 j 21:07 | 0° ☿ | | greatest brilliancy | -12723 May 01 j 15:01 | 0° ☿ 41'52 | -4.8m |
| | -12726 Dec 11 j 08:36 | 0° ☿ | | | -12723 Jun 08 j 14:33 | 0° ☿ | |
| evening rise | -12726 Dec 21 j 02:35 | 11° ☿ 57'22 | | morning max el | -12723 Jun 09 j 04:29 | 0° ☿ 35'07 | 46°38'26 |
| | -12725 Jan 04 j 19:38 | 0° ☿ | | | -12723 Jul 06 j 06:07 | 0° ☿ | |
| greatest brilliancy | -12725 Jan 15 j 08:53 | 12° ☿ 56'38 | -3.9m | | -12723 Jul 31 j 17:12 | 0° ☿ | |
| | -12725 Jan 29 j 07:02 | 0° ☿ | | asc. node | -12723 Aug 09 j 08:43 | 10° ☿ 27'19 | |
| asc. node | -12725 Feb 22 j 05:28 | 29° ☿ 12'37 | | | -12723 Aug 25 j 09:03 | 0° ☿ | |
| | -12725 Feb 22 j 21:03 | 0° ☿ | | | -12723 Sep 18 j 19:14 | 0° ☿ | |
| | -12725 Mar 19 j 16:12 | 0° ☿ | | | -12723 Oct 13 j 06:24 | 0° ☿ | |
| | -12725 Apr 13 j 19:01 | 0° ☿ | | | -12723 Nov 06 j 20:43 | 0° Ω | |
| | -12725 May 09 j 10:17 | 0° ☿ | | desc. node | -12723 Nov 30 j 20:39 | 29° Ω 10'35 | |
| | -12725 Jun 05 j 04:23 | 0° ☿ | | | -12723 Dec 01 j 12:55 | 0° ☿ | |
| desc. node | -12725 Jun 16 j 03:28 | 11° ☿ 34'21 | | morning set | -12723 Dec 15 j 08:54 | 16° ☿ 50'01 | |
| evening max el | -12725 Jun 18 j 03:12 | 13° ☿ 36'09 | 47°55'45 | | -12723 Dec 26 j 04:04 | 0° ☿ | |
| | -12725 Jul 05 j 11:16 | 0° ☿ | | max. Earth dist. | -12722 Jan 17 j 03:39 | 26° ☿ 55'07 | 1.73692 AU |
| greatest brilliancy | -12725 Jul 29 j 20:12 | 15° ☿ 47'54 | -4.9m | | -12722 Jan 19 j 15:52 | 0° ☿ | |
| retrograde | -12725 Aug 08 j 09:29 | 17° ☿ 34'14 | | | | | |
| evening set | -12725 Aug 25 j 10:07 | 11° ☿ 44'33 | | superior conj | -12722 Jan 21 j 02:07 | 1° ☿ 45'16 | -1°19'30 |
| min. Earth dist. | -12725 Aug 28 j 13:58 | 9° ☿ 45'45 | 0.27318 AU | minimum elong | -12722 Jan 20 j 23:56 | 1° ☿ 38'32 | 1°19'54 |
| inferior conj | -12725 Aug 29 j 04:54 | 9° ☿ 22'00 | -7°28'27 | | -12722 Feb 12 j 23:53 | 0° ☿ | |
| minimum elong | -12725 Aug 29 j 13:28 | 9° ☿ 08'24 | 7°26'21 | evening rise | -12722 Feb 24 j 23:23 | 14° ☿ 49'06 | |
| morning rise | -12725 Sep 02 j 17:14 | 6° ☿ 34'41 | | | -12722 Mar 09 j 05:30 | 0° ☿ | |
| direct | -12725 Sep 18 j 13:29 | 1° ☿ 30'18 | | asc. node | -12722 Mar 21 j 16:50 | 15° ☿ 27'21 | |
| greatest brilliancy | -12725 Sep 27 j 20:50 | 3° ☿ 11'04 | -4.8m | | -12722 Apr 02 j 10:37 | 0° ☿ | |
| asc. node | -12725 Oct 05 j 07:01 | 6° ☿ 33'09 | | | -12722 Apr 26 j 16:48 | 0° ☿ | |
| | -12725 Nov 03 j 18:30 | 0° ☿ | | | -12722 May 21 j 01:33 | 0° ☿ | |
| morning max el | -12725 Nov 07 j 02:25 | 3° ☿ 13'36 | 46°08'54 | | -12722 Jun 14 j 15:26 | 0° ☿ | |
| | -12725 Dec 02 j 20:26 | 0° Ω | | | -12722 Jul 09 j 15:38 | 0° ☿ | |
| | -12725 Dec 29 j 20:18 | 0° ☿ | | desc. node | -12722 Jul 13 j 13:07 | 4° ☿ 35'55 | |
| | -12724 Jan 24 j 21:57 | 0° ☿ | | | -12722 Aug 04 j 13:20 | 0° ☿ | |
| desc. node | -12724 Jan 26 j 22:56 | 2° ☿ 23'07 | | evening max el | -12722 Aug 27 j 21:31 | 25° ☿ 09'35 | 46°56'06 |
| | -12724 Feb 19 j 07:14 | 0° ☿ | | | -12722 Sep 01 j 17:40 | 0° Ω | |
| | -12724 Mar 15 j 02:22 | 0° ☿ | | greatest brilliancy | -12722 Oct 06 j 16:42 | 26° Ω 20'13 | -4.8m |
| | -12724 Apr 08 j 09:59 | 0° ☿ | | retrograde | -12722 Oct 17 j 12:52 | 28° Ω 35'10 | |
| morning set | -12724 Apr 30 j 23:36 | 28° ☿ 13'35 | | evening set | -12722 Nov 01 j 11:10 | 24° Ω 02'45 | |
| | -12724 May 02 j 09:28 | 0° ☿ | | asc. node | -12722 Nov 01 j 17:54 | 23° Ω 53'06 | |
| asc. node | -12724 May 16 j 16:25 | 18° ☿ 00'06 | | inferior conj | -12722 Nov 07 j 16:50 | 20° Ω 09'24 | 1°22'22 |
| | -12724 May 26 j 04:21 | 0° ☿ | | minimum elong | -12722 Nov 07 j 14:02 | 20° Ω 13'57 | 1°22'06 |
| | | | | min. Earth dist. | -12722 Nov 07 j 07:06 | 20° Ω 25'14 | 0.28779 AU |
| superior conj | -12724 Jun 07 j 20:50 | 16° ☿ 02'34 | 0°48'24 | morning rise | -12722 Nov 13 j 17:29 | 16° Ω 23'46 | |
| minimum elong | -12724 Jun 07 j 11:30 | 15° ☿ 33'04 | 0°47'50 | direct | -12722 Nov 28 j 23:51 | 11° Ω 46'12 | |
| max. Earth dist. | -12724 Jun 08 j 04:43 | 16° ☿ 27'30 | 1.70780 AU | greatest brilliancy | -12722 Dec 08 j 01:25 | 13° Ω 16'49 | -4.7m |
| | -12724 Jun 18 j 21:43 | 0° ☿ | | | -12721 Jan 03 j 22:33 | 0° ☿ | |
| | -12724 Jul 12 j 16:14 | 0° ☿ | | morning max el | -12721 Jan 16 j 17:12 | 11° ☿ 24'36 | 46°01'56 |
| evening rise | -12724 Jul 18 j 13:39 | 7° ☿ 24'48 | | | -12721 Feb 04 j 08:08 | 0° ☿ | |
| | -12724 Aug 05 j 14:06 | 0° ☿ | | desc. node | -12721 Feb 23 j 12:24 | 20° ☿ 40'35 | |
| | -12724 Aug 29 j 16:54 | 0° ☿ | | | -12721 Mar 03 j 20:15 | 0° ☿ | |
| desc. node | -12724 Sep 07 j 07:53 | 10° ☿ 39'25 | | | -12721 Mar 29 j 17:17 | 0° ☿ | |
| | -12724 Sep 23 j 01:27 | 0° Ω | | | -12721 Apr 23 j 14:44 | 0° ☿ | |
| | -12724 Oct 17 j 16:41 | 0° ☿ | | | -12721 May 17 j 21:03 | 0° ☿ | |
| | -12724 Nov 11 j 17:43 | 0° ☿ | | greatest brilliancy | -12721 Jun 03 j 08:55 | 20° ☿ 40'58 | -3.9m |
| | -12724 Dec 07 j 13:04 | 0° ☿ | | | -12721 Jun 10 j 18:20 | 0° ☿ | |
| asc. node | -12724 Dec 27 j 11:16 | 22° ☿ 03'04 | | asc. node | -12721 Jun 14 j 06:32 | 4° ☿ 25'48 | |
| | -12723 Jan 04 j 00:03 | 0° ☿ | | | -12721 Jul 04 j 11:33 | 0° ☿ | |
| evening max el | -12723 Jan 19 j 03:04 | 15° ☿ 02'34 | 44°56'52 | morning set | -12721 Jul 14 j 08:49 | 12° ☿ 30'54 | |
| | -12723 Feb 05 j 10:54 | 0° ☿ | | | -12721 Jul 28 j 04:44 | 0° ☿ | |
| greatest brilliancy | -12723 Feb 26 j 08:49 | 12° ☿ 03'24 | -4.7m | | -12721 Aug 21 j 00:59 | 0° ☿ | |
| retrograde | -12723 Mar 08 j 05:25 | 13° ☿ 45'38 | | | | | |
| evening set | -12723 Mar 24 j 00:34 | 9° ☿ 11'54 | | superior conj | -12721 Aug 25 j 14:50 | 5° ☿ 43'58 | 1°14'50 |
| inferior conj | -12723 Mar 29 j 08:33 | 6° ☿ 07'35 | 4°52'48 | minimum elong | -12721 Aug 26 j 00:14 | 6° ☿ 13'21 | 1°15'23 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|---|------------|---------------------|--|-----------------------|-------------------------------------|------------|
| max. Earth dist. | -12721 Sep 02 j 06:54 | 15° Π 18'52 | 1.71638 AU | | | -12718 Mar 06 j 21:54 | 0° \mathbb{M} | |
| | -12721 Sep 14 j 02:00 | 0° \mathfrak{C} | | desc. node | | -12718 Mar 23 j 00:36 | 13° \mathbb{M} 35'09 | |
| desc. node | -12721 Oct 05 j 19:50 | 26° \mathfrak{C} 54'55 | | morning max el | | -12718 Mar 27 j 18:42 | 18° \mathbb{M} 05'18 | 46°18'23 |
| evening rise | -12721 Oct 07 j 21:40 | 29° \mathfrak{C} 28'36 | | | | -12718 Apr 08 j 14:53 | 0° \mathfrak{A} | |
| | -12721 Oct 08 j 07:52 | 0° Ω | | | | -12718 May 05 j 19:42 | 0° \mathfrak{Z} | |
| | -12721 Nov 01 j 17:34 | 0° \mathbb{M} | | | | -12718 May 31 j 04:06 | 0° \approx | |
| | -12721 Nov 26 j 06:28 | 0° $\underline{\mathfrak{A}}$ | | | | -12718 Jun 24 j 14:56 | 0° \mathfrak{H} | |
| | -12721 Dec 20 j 23:50 | 0° \mathbb{M} | | asc. node | | -12718 Jul 11 j 20:57 | 21° \mathfrak{H} 30'57 | |
| | -12720 Jan 15 j 01:39 | 0° \mathfrak{A} | | | | -12718 Jul 18 j 15:20 | 0° \mathfrak{Y} | |
| asc. node | -12720 Jan 24 j 21:16 | 11° \mathfrak{A} 34'11 | | | | -12718 Aug 11 j 12:26 | 0° \mathfrak{B} | |
| | -12720 Feb 09 j 18:34 | 0° \mathfrak{Z} | | | | -12718 Sep 04 j 11:07 | 0° \mathbb{I} | |
| | -12720 Mar 07 j 13:59 | 0° \approx | | | | -12718 Sep 28 j 14:04 | 0° \mathfrak{C} | |
| evening max el | -12720 Apr 02 j 12:01 | 26° \approx 48'15 | 46°30'28 | morning set | | -12718 Sep 30 j 15:34 | 2° \mathfrak{C} 33'09 | |
| | -12720 Apr 05 j 20:11 | 0° \mathfrak{H} | | | | -12718 Oct 22 j 21:40 | 0° Ω | |
| greatest brilliancy | -12720 May 12 j 21:49 | 26° \mathfrak{H} 27'02 | -4.9m | desc. node | | -12718 Nov 02 j 08:54 | 12° Ω 51'28 | |
| desc. node | -12720 May 17 j 20:08 | 27° \mathfrak{H} 44'42 | | | | | | |
| retrograde | -12720 May 22 j 13:45 | 28° \mathfrak{H} 10'29 | | superior conj | | -12718 Nov 10 j 20:16 | 23° Ω 15'13 | -0°18'50 |
| evening set | -12720 Jun 06 j 17:31 | 23° \mathfrak{H} 47'26 | | minimum elong | | -12718 Nov 10 j 16:04 | 23° Ω 02'20 | 0°18'09 |
| min. Earth dist. | -12720 Jun 11 j 17:52 | 20° \mathfrak{H} 55'30 | 0.26317 AU | max. Earth dist. | | -12718 Nov 12 j 05:52 | 24° Ω 58'16 | 1.73484 AU |
| inferior conj | -12720 Jun 12 j 07:52 | 20° \mathfrak{H} 34'43 | -5°48'31 | | | -12718 Nov 16 j 08:18 | 0° \mathbb{M} | |
| minimum elong | -12720 Jun 11 j 21:44 | 20° \mathfrak{H} 49'47 | 5°46'18 | | | -12718 Dec 10 j 19:44 | 0° $\underline{\mathfrak{A}}$ | |
| morning rise | -12720 Jun 17 j 01:55 | 17° \mathfrak{H} 49'40 | | evening rise | | -12718 Dec 18 j 20:44 | 9° $\underline{\mathfrak{A}}$ 51'42 | |
| direct | -12720 Jul 02 j 13:49 | 13° \mathfrak{H} 09'12 | | | | -12717 Jan 04 j 06:50 | 0° \mathbb{M} | |
| greatest brilliancy | -12720 Jul 13 j 01:48 | 15° \mathfrak{H} 13'59 | -4.9m | greatest brilliancy | | -12717 Jan 15 j 18:27 | 14° \mathbb{M} 04'56 | -3.9m |
| | -12720 Aug 04 j 18:22 | 0° \mathfrak{Y} | | | | -12717 Jan 28 j 18:28 | 0° \mathfrak{A} | |
| morning max el | -12720 Aug 22 j 01:48 | 16° \mathfrak{Y} 22'05 | 46°31'57 | asc. node | | -12717 Feb 21 j 07:41 | 28° \mathfrak{A} 43'18 | |
| | -12720 Sep 03 j 23:27 | 0° \mathfrak{B} | | | | -12717 Feb 22 j 08:57 | 0° \mathfrak{Z} | |
| asc. node | -12720 Sep 05 j 21:34 | 2° \mathfrak{B} 05'56 | | | | -12717 Mar 19 j 04:50 | 0° \approx | |
| | -12720 Sep 30 j 13:23 | 0° \mathbb{I} | | | | -12717 Apr 13 j 08:46 | 0° \mathfrak{H} | |
| | -12720 Oct 26 j 04:24 | 0° \mathfrak{C} | | | | -12717 May 09 j 01:55 | 0° \mathfrak{Y} | |
| | -12720 Nov 20 j 12:35 | 0° Ω | | | | -12717 Jun 04 j 23:59 | 0° \mathfrak{B} | |
| | -12720 Dec 15 j 17:35 | 0° \mathbb{M} | | desc. node | | -12717 Jun 15 j 05:52 | 10° \mathfrak{B} 42'44 | |
| desc. node | -12720 Dec 28 j 10:59 | 15° \mathbb{M} 13'13 | | evening max el | | -12717 Jun 15 j 19:06 | 11° \mathfrak{B} 16'20 | 47°55'05 |
| | -12719 Jan 09 j 18:04 | 0° $\underline{\mathfrak{A}}$ | | | | -12717 Jul 05 j 22:17 | 0° \mathbb{I} | |
| | -12719 Feb 03 j 11:47 | 0° \mathbb{M} | | greatest brilliancy | | -12717 Jul 27 j 10:56 | 13° \mathbb{I} 23'11 | -4.9m |
| morning set | -12719 Feb 20 j 20:44 | 21° \mathbb{M} 17'57 | | retrograde | | -12717 Aug 06 j 00:00 | 15° \mathbb{I} 08'48 | |
| | -12719 Feb 27 j 21:59 | 0° \mathfrak{A} | | evening set | | -12717 Aug 23 j 03:10 | 9° \mathbb{I} 15'57 | |
| max. Earth dist. | -12719 Mar 23 j 11:01 | 29° \mathfrak{A} 13'54 | 1.72326 AU | min. Earth dist. | | -12717 Aug 26 j 03:39 | 7° \mathbb{I} 22'20 | 0.27273 AU |
| | -12719 Mar 24 j 01:48 | 0° \mathfrak{Z} | | inferior conj | | -12717 Aug 26 j 19:10 | 6° \mathbb{I} 57'39 | -7°39'42 |
| | | | | minimum elong | | -12717 Aug 27 j 03:23 | 6° \mathbb{I} 44'37 | 7°37'44 |
| superior conj | -12719 Mar 27 j 19:03 | 4° \mathfrak{Z} 38'27 | -0°46'29 | morning rise | | -12717 Aug 31 j 03:59 | 4° \mathbb{I} 15'36 | |
| minimum elong | -12719 Mar 28 j 02:25 | 5° \mathfrak{Z} 01'26 | 0°47'00 | | | -12717 Sep 09 j 16:55 | 30° \mathfrak{R} \mathfrak{B} | |
| | -12719 Apr 17 j 01:29 | 0° \approx | | direct | | -12717 Sep 16 j 03:40 | 29° \mathfrak{B} 07'27 | |
| asc. node | -12719 Apr 18 j 05:16 | 1° \approx 27'05 | | | | -12717 Sep 22 j 19:10 | 0° \mathbb{I} | |
| evening rise | -12719 May 02 j 21:18 | 19° \approx 51'11 | | greatest brilliancy | | -12717 Sep 25 j 10:37 | 0° \mathbb{I} 47'52 | -4.8m |
| | -12719 May 10 j 23:19 | 0° \mathfrak{H} | | asc. node | | -12717 Oct 04 j 09:18 | 5° \mathbb{I} 02'20 | |
| | -12719 Jun 03 j 21:20 | 0° \mathfrak{Y} | | | | -12717 Nov 03 j 18:30 | 0° \mathfrak{C} | |
| | -12719 Jun 27 j 21:29 | 0° \mathfrak{B} | | morning max el | | -12717 Nov 04 j 16:54 | 0° \mathfrak{C} 54'47 | 46°09'23 |
| | -12719 Jul 22 j 02:00 | 0° \mathbb{I} | | | | -12717 Dec 02 j 13:05 | 0° Ω | |
| desc. node | -12719 Aug 09 j 23:10 | 23° \mathbb{I} 10'49 | | | | -12717 Dec 29 j 10:17 | 0° \mathbb{M} | |
| | -12719 Aug 15 j 13:34 | 0° \mathfrak{C} | | | | -12716 Jan 24 j 10:34 | 0° $\underline{\mathfrak{A}}$ | |
| | -12719 Sep 09 j 12:18 | 0° Ω | | desc. node | | -12716 Jan 26 j 01:05 | 1° $\underline{\mathfrak{A}}$ 52'40 | |
| | -12719 Oct 05 j 07:12 | 0° \mathbb{M} | | | | -12716 Feb 18 j 19:05 | 0° \mathbb{M} | |
| | -12719 Nov 02 j 01:14 | 0° $\underline{\mathfrak{A}}$ | | | | -12716 Mar 14 j 13:47 | 0° \mathfrak{A} | |
| evening max el | -12719 Nov 06 j 09:55 | 4° $\underline{\mathfrak{A}}$ 20'41 | 45°12'51 | | | -12716 Apr 07 j 21:11 | 0° \mathfrak{Z} | |
| asc. node | -12719 Nov 29 j 04:01 | 24° $\underline{\mathfrak{A}}$ 02'22 | | morning set | | -12716 Apr 28 j 16:39 | 26° \mathfrak{Z} 01'17 | |
| | -12719 Dec 08 j 17:50 | 0° \mathbb{M} | | | | -12716 May 01 j 20:37 | 0° \approx | |
| greatest brilliancy | -12719 Dec 13 j 15:05 | 2° \mathbb{M} 13'01 | -4.7m | asc. node | | -12716 May 15 j 18:39 | 17° \approx 31'56 | |
| retrograde | -12719 Dec 24 j 21:31 | 4° \mathbb{M} 30'25 | | | | -12716 May 25 j 15:32 | 0° \mathfrak{H} | |
| | -12718 Jan 09 j 02:56 | 30° \mathfrak{R} $\underline{\mathfrak{A}}$ | | | | | | |
| evening set | -12718 Jan 11 j 00:06 | 28° $\underline{\mathfrak{A}}$ 55'10 | | superior conj | | -12716 Jun 05 j 10:16 | 13° \mathfrak{H} 37'54 | 0°45'28 |
| inferior conj | -12718 Jan 15 j 06:55 | 26° $\underline{\mathfrak{A}}$ 16'33 | 7°49'27 | minimum elong | | -12716 Jun 05 j 01:20 | 13° \mathfrak{H} 09'40 | 0°44'51 |
| minimum elong | -12718 Jan 15 j 02:06 | 26° $\underline{\mathfrak{A}}$ 24'09 | 7°48'43 | max. Earth dist. | | -12716 Jun 05 j 07:19 | 13° \mathfrak{H} 28'34 | 1.70802 AU |
| min. Earth dist. | -12718 Jan 15 j 18:33 | 25° $\underline{\mathfrak{A}}$ 58'13 | 0.29520 AU | | | -12716 Jun 18 j 08:57 | 0° \mathfrak{Y} | |
| morning rise | -12718 Jan 19 j 03:59 | 23° $\underline{\mathfrak{A}}$ 51'57 | | | | -12716 Jul 12 j 03:32 | 0° \mathfrak{B} | |
| direct | -12718 Feb 06 j 08:15 | 17° $\underline{\mathfrak{A}}$ 44'11 | | evening rise | | -12716 Jul 15 j 22:32 | 4° \mathfrak{B} 46'13 | |
| greatest brilliancy | -12718 Feb 16 j 12:50 | 19° $\underline{\mathfrak{A}}$ 35'43 | -4.7m | | | -12716 Aug 05 j 01:29 | 0° \mathbb{I} | |

| | | | | | | | | |
|---------------------|-----------------------|-----------------------------------|------------|---------------------|-----------------------|--------------------------|------------|--|
| | -12716 Aug 29 j 04:25 | 0° \mathfrak{D} | | | -12713 Mar 03 j 10:15 | 0° \mathfrak{M} | | |
| desc. node | -12716 Sep 06 j 10:01 | 10° \mathfrak{D} 10'19 | | | -12713 Mar 29 j 05:52 | 0° \mathfrak{A} | | |
| | -12716 Sep 22 j 13:11 | 0° \mathfrak{Q} | | | -12713 Apr 23 j 02:37 | 0° \mathfrak{Z} | | |
| | -12716 Oct 17 j 04:48 | 0° \mathfrak{P} | | | -12713 May 17 j 08:33 | 0° \approx | | |
| | -12716 Nov 11 j 06:35 | 0° \mathfrak{L} | | greatest brilliancy | -12713 Jun 04 j 07:12 | 22° \approx 30'55 | -3.9m | |
| | -12716 Dec 07 j 03:34 | 0° \mathfrak{M} | | | -12713 Jun 10 j 05:40 | 0° \mathfrak{K} | | |
| asc. node | -12716 Dec 26 j 13:44 | 21° \mathfrak{M} 23'58 | | asc. node | -12713 Jun 13 j 08:47 | 3° \mathfrak{K} 57'08 | | |
| | -12715 Jan 03 j 18:47 | 0° \mathfrak{A} | | | -12713 Jul 03 j 22:47 | 0° \mathfrak{Y} | | |
| evening max el | -12715 Jan 16 j 16:12 | 12° \mathfrak{A} 44'48 | 44°55'20 | morning set | -12713 Jul 11 j 18:50 | 9° \mathfrak{Y} 55'08 | | |
| | -12715 Feb 06 j 01:41 | 0° \mathfrak{Z} | | | -12713 Jul 27 j 15:57 | 0° \mathfrak{X} | | |
| greatest brilliancy | -12715 Feb 23 j 22:03 | 9° \mathfrak{Z} 47'02 | -4.7m | | -12713 Aug 20 j 12:11 | 0° \mathfrak{I} | | |
| retrograde | -12715 Mar 05 j 18:25 | 11° \mathfrak{Z} 29'31 | | | | | | |
| evening set | -12715 Mar 21 j 16:50 | 6° \mathfrak{Z} 51'27 | | superior conj | -12713 Aug 22 j 22:55 | 3° \mathfrak{I} 04'01 | 1°16'29 | |
| inferior conj | -12715 Mar 26 j 22:23 | 3° \mathfrak{Z} 50'24 | 5°09'20 | minimum elong | -12713 Aug 23 j 07:32 | 3° \mathfrak{I} 31'00 | 1°17'02 | |
| minimum elong | -12715 Mar 27 j 07:37 | 3° \mathfrak{Z} 36'35 | 5°06'25 | max. Earth dist. | -12713 Aug 30 j 12:01 | 12° \mathfrak{I} 30'12 | 1.71567 AU | |
| min. Earth dist. | -12715 Mar 28 j 05:53 | 3° \mathfrak{Z} 03'18 | 0.27778 AU | | -12713 Sep 13 j 13:09 | 0° \mathfrak{D} | | |
| morning rise | -12715 Apr 01 j 21:22 | 0° \mathfrak{Z} 23'11 | | desc. node | -12713 Oct 04 j 22:05 | 26° \mathfrak{D} 27'39 | | |
| | -12715 Apr 02 j 14:49 | 30° \mathfrak{R} \mathfrak{A} | | evening rise | -12713 Oct 05 j 07:55 | 26° \mathfrak{D} 57'58 | | |
| direct | -12715 Apr 17 j 09:29 | 25° \mathfrak{A} 52'10 | | | -12713 Oct 07 j 18:58 | 0° \mathfrak{Q} | | |
| desc. node | -12715 Apr 19 j 12:02 | 25° \mathfrak{A} 57'14 | | | -12713 Nov 01 j 04:41 | 0° \mathfrak{P} | | |
| greatest brilliancy | -12715 Apr 29 j 06:28 | 28° \mathfrak{A} 23'23 | -4.8m | | -12713 Nov 25 j 17:45 | 0° \mathfrak{L} | | |
| | -12715 May 02 j 19:31 | 0° \mathfrak{Z} | | | -12713 Dec 20 j 11:33 | 0° \mathfrak{M} | | |
| morning max el | -12715 Jun 06 j 18:02 | 28° \mathfrak{Z} 10'35 | 46°38'14 | | -12712 Jan 14 j 14:11 | 0° \mathfrak{A} | | |
| | -12715 Jun 08 j 13:09 | 0° \approx | | asc. node | -12712 Jan 23 j 23:27 | 11° \mathfrak{A} 02'30 | | |
| | -12715 Jul 05 j 22:29 | 0° \mathfrak{K} | | | -12712 Feb 09 j 08:40 | 0° \mathfrak{Z} | | |
| | -12715 Jul 31 j 07:16 | 0° \mathfrak{Y} | | | -12712 Mar 07 j 07:20 | 0° \approx | | |
| asc. node | -12715 Aug 08 j 10:46 | 9° \mathfrak{Y} 52'17 | | evening max el | -12712 Mar 31 j 01:27 | 24° \approx 25'53 | 46°26'29 | |
| | -12715 Aug 24 j 21:56 | 0° \mathfrak{X} | | | -12712 Apr 05 j 22:50 | 0° \mathfrak{K} | | |
| | -12715 Sep 18 j 07:25 | 0° \mathfrak{I} | | greatest brilliancy | -12712 May 10 j 08:00 | 23° \mathfrak{K} 55'08 | -4.9m | |
| | -12715 Oct 12 j 18:09 | 0° \mathfrak{D} | | desc. node | -12712 May 16 j 22:27 | 25° \mathfrak{K} 28'13 | | |
| | -12715 Nov 06 j 08:08 | 0° \mathfrak{Q} | | retrograde | -12712 May 20 j 01:44 | 25° \mathfrak{K} 39'38 | | |
| desc. node | -12715 Nov 29 j 22:52 | 28° \mathfrak{Q} 43'23 | | evening set | -12712 Jun 04 j 01:48 | 21° \mathfrak{K} 21'00 | | |
| | -12715 Dec 01 j 00:04 | 0° \mathfrak{P} | | inferior conj | -12712 Jun 09 j 19:13 | 18° \mathfrak{K} 04'29 | -5°29'46 | |
| morning set | -12715 Dec 13 j 01:10 | 14° \mathfrak{P} 39'46 | | minimum elong | -12712 Jun 09 j 09:14 | 18° \mathfrak{K} 19'16 | 5°27'32 | |
| | -12715 Dec 25 j 15:02 | 0° \mathfrak{L} | | min. Earth dist. | -12712 Jun 09 j 06:01 | 18° \mathfrak{K} 24'02 | 0.26316 AU | |
| max. Earth dist. | -12714 Jan 14 j 23:33 | 24° \mathfrak{L} 55'26 | 1.73718 AU | morning rise | -12712 Jun 14 j 16:42 | 15° \mathfrak{K} 15'18 | | |
| | | | | direct | -12712 Jun 30 j 02:22 | 10° \mathfrak{K} 39'03 | | |
| superior conj | -12714 Jan 18 j 21:29 | 29° \mathfrak{L} 43'52 | -1°19'03 | greatest brilliancy | -12712 Jul 10 j 14:52 | 12° \mathfrak{K} 44'47 | -4.9m | |
| minimum elong | -12714 Jan 18 j 18:44 | 29° \mathfrak{L} 35'25 | 1°19'26 | | -12712 Aug 05 j 03:27 | 0° \mathfrak{Y} | | |
| | -12714 Jan 19 j 02:44 | 0° \mathfrak{M} | | morning max el | -12712 Aug 19 j 15:21 | 13° \mathfrak{Y} 55'36 | 46°32'36 | |
| | -12714 Feb 12 j 10:47 | 0° \mathfrak{A} | | | -12712 Sep 03 j 18:21 | 0° \mathfrak{X} | | |
| evening rise | -12714 Feb 22 j 19:17 | 12° \mathfrak{A} 48'15 | | asc. node | -12712 Sep 04 j 23:47 | 1° \mathfrak{X} 20'59 | | |
| | -12714 Mar 08 j 16:33 | 0° \mathfrak{Z} | | | -12712 Sep 30 j 04:28 | 0° \mathfrak{I} | | |
| asc. node | -12714 Mar 20 j 19:02 | 14° \mathfrak{Z} 59'31 | | | -12712 Oct 25 j 17:43 | 0° \mathfrak{D} | | |
| | -12714 Apr 01 j 21:58 | 0° \approx | | | -12712 Nov 20 j 00:52 | 0° \mathfrak{Q} | | |
| | -12714 Apr 26 j 04:35 | 0° \mathfrak{K} | | | -12712 Dec 15 j 05:12 | 0° \mathfrak{P} | | |
| | -12714 May 20 j 13:53 | 0° \mathfrak{Y} | | desc. node | -12712 Dec 27 j 13:04 | 14° \mathfrak{P} 45'22 | | |
| | -12714 Jun 14 j 04:30 | 0° \mathfrak{X} | | | -12711 Jan 09 j 05:15 | 0° \mathfrak{L} | | |
| | -12714 Jul 09 j 05:52 | 0° \mathfrak{I} | | | -12711 Feb 02 j 22:43 | 0° \mathfrak{M} | | |
| desc. node | -12714 Jul 12 j 15:23 | 4° \mathfrak{I} 00'07 | | morning set | -12711 Feb 18 j 16:17 | 19° \mathfrak{M} 17'02 | | |
| | -12714 Aug 04 j 05:55 | 0° \mathfrak{D} | | | -12711 Feb 27 j 08:49 | 0° \mathfrak{A} | | |
| evening max el | -12714 Aug 25 j 12:25 | 22° \mathfrak{D} 51'13 | 46°59'58 | max. Earth dist. | -12711 Mar 21 j 04:12 | 27° \mathfrak{A} 04'07 | 1.72387 AU | |
| | -12714 Sep 01 j 17:19 | 0° \mathfrak{Q} | | | -12711 Mar 23 j 12:39 | 0° \mathfrak{Z} | | |
| greatest brilliancy | -12714 Oct 04 j 11:05 | 24° \mathfrak{Q} 10'21 | -4.8m | | | | | |
| retrograde | -12714 Oct 15 j 06:14 | 26° \mathfrak{Q} 24'54 | | superior conj | -12711 Mar 25 j 14:09 | 2° \mathfrak{Z} 34'22 | -0°48'53 | |
| evening set | -12714 Oct 30 j 04:34 | 21° \mathfrak{Q} 51'50 | | minimum elong | -12711 Mar 25 j 21:39 | 2° \mathfrak{Z} 57'45 | 0°49'25 | |
| asc. node | -12714 Oct 31 j 20:12 | 20° \mathfrak{Q} 53'28 | | | -12711 Apr 16 j 12:26 | 0° \approx | | |
| inferior conj | -12714 Nov 05 j 10:02 | 17° \mathfrak{Q} 59'02 | 1°03'31 | asc. node | -12711 Apr 17 j 07:34 | 0° \approx 59'57 | | |
| minimum elong | -12714 Nov 05 j 07:51 | 18° \mathfrak{Q} 02'34 | 1°03'27 | evening rise | -12711 Apr 30 j 13:59 | 17° \approx 38'12 | | |
| min. Earth dist. | -12714 Nov 05 j 00:13 | 18° \mathfrak{Q} 14'58 | 0.28732 AU | | -12711 May 10 j 10:27 | 0° \mathfrak{K} | | |
| morning rise | -12714 Nov 11 j 11:42 | 14° \mathfrak{Q} 12'06 | | | -12711 Jun 03 j 08:42 | 0° \mathfrak{Y} | | |
| direct | -12714 Nov 26 j 15:46 | 9° \mathfrak{Q} 36'25 | | | -12711 Jun 27 j 09:08 | 0° \mathfrak{X} | | |
| greatest brilliancy | -12714 Dec 05 j 18:09 | 11° \mathfrak{Q} 07'52 | -4.7m | | -12711 Jul 21 j 13:58 | 0° \mathfrak{I} | | |
| | -12713 Jan 04 j 03:26 | 0° \mathfrak{P} | | desc. node | -12711 Aug 09 j 01:20 | 22° \mathfrak{I} 39'50 | | |
| morning max el | -12713 Jan 14 j 09:45 | 9° \mathfrak{P} 17'04 | 46°01'43 | | -12711 Aug 15 j 02:01 | 0° \mathfrak{D} | | |
| | -12713 Feb 04 j 01:21 | 0° \mathfrak{L} | | | -12711 Sep 09 j 01:36 | 0° \mathfrak{Q} | | |
| desc. node | -12713 Feb 22 j 14:27 | 20° \mathfrak{L} 05'19 | | | -12711 Oct 04 j 22:20 | 0° \mathfrak{P} | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12711 Nov 01 j 21:34 | 0°♊ | | desc. node | -12708 Jan 25 j 03:05 | 1°♊22'22 | |
| evening max el | -12711 Nov 04 j 02:37 | 2°♊11'18 | 45°15'28 | | -12708 Feb 18 j 06:45 | 0°♊ | |
| asc. node | -12711 Nov 28 j 06:26 | 22°♊54'23 | | | -12708 Mar 14 j 01:02 | 0°♊ | |
| | -12711 Dec 11 j 00:19 | 0°♊ | | | -12708 Apr 07 j 08:15 | 0°♊ | |
| greatest brilliancy | -12711 Dec 11 j 08:09 | 0°♊07'41 | -4.7m | morning set | -12708 Apr 26 j 10:00 | 23°♊50'24 | |
| retrograde | -12711 Dec 22 j 14:43 | 2°♊25'14 | | | -12708 May 01 j 07:40 | 0°♊ | |
| | -12710 Jan 02 j 15:30 | 30°♊ | | asc. node | -12708 May 14 j 20:55 | 17°♊04'11 | |
| evening set | -12710 Jan 08 j 15:21 | 26°♊52'50 | | | -12708 May 25 j 02:39 | 0°♊ | |
| inferior conj | -12710 Jan 13 j 00:12 | 24°♊10'38 | 7°44'07 | | | | |
| minimum elong | -12710 Jan 12 j 18:52 | 24°♊19'05 | 7°43'20 | superior conj | -12708 Jun 02 j 23:49 | 11°♊13'44 | 0°42'26 |
| min. Earth dist. | -12710 Jan 13 j 10:26 | 23°♊54'28 | 0.29532 AU | minimum elong | -12708 Jun 02 j 15:21 | 10°♊46'58 | 0°41'49 |
| morning rise | -12710 Jan 16 j 22:18 | 21°♊44'04 | | max. Earth dist. | -12708 Jun 02 j 13:02 | 10°♊39'38 | 1.70836 AU |
| direct | -12710 Feb 04 j 01:49 | 15°♊38'09 | | | -12708 Jun 17 j 20:11 | 0°♊ | |
| greatest brilliancy | -12710 Feb 14 j 03:33 | 17°♊27'12 | -4.7m | | -12708 Jul 11 j 14:52 | 0°♊ | |
| | -12710 Mar 07 j 09:34 | 0°♊ | | evening rise | -12708 Jul 13 j 07:20 | 2°♊07'19 | |
| desc. node | -12710 Mar 22 j 02:55 | 12°♊44'58 | | | -12708 Aug 04 j 12:56 | 0°♊ | |
| morning max el | -12710 Mar 25 j 10:30 | 15°♊54'17 | 46°17'24 | | -12708 Aug 28 j 15:59 | 0°♊ | |
| | -12710 Apr 08 j 09:14 | 0°♊ | | desc. node | -12708 Sep 05 j 12:21 | 9°♊41'46 | |
| | -12710 May 05 j 10:17 | 0°♊ | | | -12708 Sep 22 j 00:57 | 0°♊ | |
| | -12710 May 30 j 17:10 | 0°♊ | | | -12708 Oct 16 j 16:55 | 0°♊ | |
| | -12710 Jun 24 j 03:14 | 0°♊ | | | -12708 Nov 10 j 19:28 | 0°♊ | |
| asc. node | -12710 Jul 10 j 23:02 | 20°♊59'57 | | | -12708 Dec 06 j 18:11 | 0°♊ | |
| | -12710 Jul 18 j 03:12 | 0°♊ | | asc. node | -12708 Dec 25 j 15:56 | 20°♊43'54 | |
| | -12710 Aug 11 j 00:01 | 0°♊ | | | -12707 Jan 03 j 13:56 | 0°♊ | |
| | -12710 Sep 03 j 22:29 | 0°♊ | | evening max el | -12707 Jan 14 j 05:39 | 10°♊28'10 | 44°54'01 |
| morning set | -12710 Sep 28 j 02:10 | 0°♊02'46 | | | -12707 Feb 06 j 21:12 | 0°♊ | |
| | -12710 Sep 28 j 01:16 | 0°♊ | | greatest brilliancy | -12707 Feb 21 j 10:58 | 7°♊31'11 | -4.7m |
| | -12710 Oct 22 j 08:45 | 0°♊ | | retrograde | -12707 Mar 03 j 08:12 | 9°♊14'43 | |
| desc. node | -12710 Nov 01 j 11:07 | 12°♊24'27 | | evening set | -12707 Mar 19 j 09:23 | 4°♊32'02 | |
| | | | | inferior conj | -12707 Mar 24 j 12:29 | 1°♊34'20 | 5°25'02 |
| superior conj | -12710 Nov 08 j 09:52 | 20°♊55'59 | -0°15'31 | minimum elong | -12707 Mar 24 j 21:52 | 1°♊20'18 | 5°22'10 |
| minimum elong | -12710 Nov 08 j 06:23 | 20°♊45'17 | 0°14'49 | min. Earth dist. | -12707 Mar 25 j 20:44 | 0°♊46'06 | 0.27863 AU |
| behind sun begin | -12710 Nov 07 j 20:46 | 20°♊15'49 | | | -12707 Mar 27 j 03:50 | 30°♊ | |
| behind sun end | -12710 Nov 08 j 15:59 | 21°♊14'45 | | morning rise | -12707 Mar 30 j 09:19 | 28°♊09'51 | |
| max. Earth dist. | -12710 Nov 10 j 03:54 | 23°♊04'55 | 1.73441 AU | direct | -12707 Apr 15 j 00:06 | 23°♊34'09 | |
| | -12710 Nov 15 j 19:17 | 0°♊ | | desc. node | -12707 Apr 18 j 14:13 | 23°♊48'47 | |
| | -12710 Dec 10 j 06:40 | 0°♊ | | greatest brilliancy | -12707 Apr 26 j 21:56 | 26°♊06'03 | -4.8m |
| evening rise | -12710 Dec 16 j 14:52 | 7°♊46'38 | | | -12707 May 04 j 14:40 | 0°♊ | |
| | -12709 Jan 03 j 17:49 | 0°♊ | | morning max el | -12707 Jun 04 j 08:37 | 25°♊49'07 | 46°37'54 |
| greatest brilliancy | -12709 Jan 16 j 23:24 | 16°♊13'11 | -3.9m | | -12707 Jun 08 j 10:48 | 0°♊ | |
| | -12709 Jan 28 j 05:41 | 0°♊ | | | -12707 Jul 05 j 14:36 | 0°♊ | |
| asc. node | -12709 Feb 20 j 09:59 | 28°♊14'54 | | | -12707 Jul 30 j 21:16 | 0°♊ | |
| | -12709 Feb 21 j 20:38 | 0°♊ | | asc. node | -12707 Aug 07 j 13:00 | 9°♊17'35 | |
| | -12709 Mar 18 j 17:19 | 0°♊ | | | -12707 Aug 24 j 10:53 | 0°♊ | |
| | -12709 Apr 12 j 22:29 | 0°♊ | | | -12707 Sep 17 j 19:44 | 0°♊ | |
| | -12709 May 08 j 17:42 | 0°♊ | | | -12707 Oct 12 j 06:01 | 0°♊ | |
| | -12709 Jun 04 j 20:10 | 0°♊ | | | -12707 Nov 05 j 19:39 | 0°♊ | |
| evening max el | -12709 Jun 13 j 09:57 | 8°♊53'43 | 47°54'11 | desc. node | -12707 Nov 29 j 00:58 | 28°♊15'37 | |
| desc. node | -12709 Jun 14 j 08:06 | 9°♊49'39 | | | -12707 Nov 30 j 11:17 | 0°♊ | |
| | -12709 Jul 06 j 12:57 | 0°♊ | | morning set | -12707 Dec 10 j 17:13 | 12°♊28'35 | |
| greatest brilliancy | -12709 Jul 25 j 02:07 | 10°♊58'34 | -4.9m | | -12707 Dec 25 j 02:04 | 0°♊ | |
| retrograde | -12709 Aug 03 j 13:54 | 12°♊42'51 | | max. Earth dist. | -12706 Jan 12 j 21:11 | 23°♊00'54 | 1.73743 AU |
| evening set | -12709 Aug 20 j 19:58 | 6°♊47'12 | | | | | |
| min. Earth dist. | -12709 Aug 23 j 17:29 | 4°♊58'11 | 0.27223 AU | superior conj | -12706 Jan 16 j 16:52 | 27°♊42'20 | -1°18'30 |
| inferior conj | -12709 Aug 24 j 09:17 | 4°♊33'03 | -7°50'08 | minimum elong | -12706 Jan 16 j 13:34 | 27°♊32'14 | 1°18'52 |
| minimum elong | -12709 Aug 24 j 17:03 | 4°♊20'43 | 7°48'21 | | -12706 Jan 18 j 13:41 | 0°♊ | |
| morning rise | -12709 Aug 28 j 14:31 | 1°♊56'19 | | | -12706 Feb 11 j 21:47 | 0°♊ | |
| | -12709 Sep 01 j 03:22 | 30°♊ | | evening rise | -12706 Feb 20 j 15:29 | 10°♊48'06 | |
| direct | -12709 Sep 13 j 17:11 | 26°♊44'19 | | | -12706 Mar 08 j 03:44 | 0°♊ | |
| greatest brilliancy | -12709 Sep 23 j 00:42 | 28°♊24'56 | -4.9m | asc. node | -12706 Mar 19 j 21:26 | 14°♊31'59 | |
| | -12709 Sep 26 j 22:23 | 0°♊ | | | -12706 Apr 01 j 09:26 | 0°♊ | |
| asc. node | -12709 Oct 03 j 11:38 | 3°♊34'50 | | | -12706 Apr 25 j 16:26 | 0°♊ | |
| morning max el | -12709 Nov 02 j 06:17 | 28°♊33'29 | 46°10'00 | | -12706 May 20 j 02:17 | 0°♊ | |
| | -12709 Nov 03 j 17:19 | 0°♊ | | | -12706 Jun 13 j 17:43 | 0°♊ | |
| | -12709 Dec 02 j 05:16 | 0°♊ | | | -12706 Jul 08 j 20:22 | 0°♊ | |
| | -12709 Dec 28 j 23:58 | 0°♊ | | desc. node | -12706 Jul 11 j 17:32 | 3°♊23'15 | |
| | -12708 Jan 23 j 22:58 | 0°♊ | | | -12706 Aug 03 j 23:01 | 0°♊ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|--------------------------|------------|---------------------|-----------------------|-----------------------------------|------------|
| evening max el | -12706 Aug 23 j 04:14 | 20° \mathfrak{D} 34'18 | 47°03'39 | max. Earth dist. | -12703 Mar 18 j 20:44 | 24° \mathfrak{A} 51'34 | 1.72448 AU |
| | -12706 Sep 01 j 18:30 | 0° \mathcal{O} | | | -12703 Mar 22 j 23:46 | 0° \mathfrak{Z} | |
| greatest brilliancy | -12706 Oct 02 j 05:08 | 21° \mathcal{O} 58'39 | -4.8m | | | | |
| retrograde | -12706 Oct 12 j 23:59 | 24° \mathcal{O} 13'06 | | superior conj | -12703 Mar 23 j 09:23 | 0° \mathfrak{Z} 30'01 | -0°51'12 |
| evening set | -12706 Oct 27 j 21:59 | 19° \mathcal{O} 39'12 | | minimum elong | -12703 Mar 23 j 16:59 | 0° \mathfrak{Z} 53'40 | 0°51'45 |
| asc. node | -12706 Oct 30 j 22:32 | 17° \mathcal{O} 49'56 | | | -12703 Apr 15 j 23:40 | 0° \approx | |
| min. Earth dist. | -12706 Nov 02 j 16:57 | 16° \mathcal{O} 03'30 | 0.28681 AU | asc. node | -12703 Apr 16 j 09:48 | 0° \approx 31'42 | |
| inferior conj | -12706 Nov 03 j 03:04 | 15° \mathcal{O} 47'05 | 0°44'26 | evening rise | -12703 Apr 28 j 06:59 | 15° \approx 25'19 | |
| minimum elong | -12706 Nov 03 j 01:32 | 15° \mathcal{O} 49'35 | 0°44'33 | | -12703 May 09 j 21:55 | 0° \mathfrak{H} | |
| morning rise | -12706 Nov 09 j 05:42 | 11° \mathcal{O} 59'12 | | | -12703 Jun 02 j 20:25 | 0° \mathfrak{Y} | |
| direct | -12706 Nov 24 j 07:52 | 7° \mathcal{O} 25'12 | | | -12703 Jun 26 j 21:06 | 0° \mathfrak{B} | |
| greatest brilliancy | -12706 Dec 03 j 10:14 | 8° \mathcal{O} 57'06 | -4.7m | | -12703 Jul 21 j 02:14 | 0° \mathfrak{I} | |
| | -12705 Jan 04 j 06:54 | 0° \mathfrak{M} | | desc. node | -12703 Aug 08 j 03:46 | 22° \mathfrak{I} 08'48 | |
| morning max el | -12705 Jan 12 j 02:53 | 7° \mathfrak{M} 10'16 | 46°01'35 | | -12703 Aug 14 j 14:46 | 0° \mathfrak{D} | |
| | -12705 Feb 03 j 18:26 | 0° \mathfrak{L} | | | -12703 Sep 08 j 15:15 | 0° \mathcal{O} | |
| desc. node | -12705 Feb 21 j 16:45 | 19° \mathfrak{L} 30'31 | | | -12703 Oct 04 j 13:57 | 0° \mathfrak{M} | |
| | -12705 Mar 03 j 00:17 | 0° \mathfrak{M} | | | -12703 Nov 01 j 18:59 | 0° \mathfrak{L} | |
| | -12705 Mar 28 j 18:35 | 0° \mathfrak{A} | | evening max el | -12703 Nov 01 j 18:37 | 29° \mathfrak{M} 59'05 | 45°17'59 |
| | -12705 Apr 22 j 14:39 | 0° \mathfrak{Z} | | asc. node | -12703 Nov 27 j 08:40 | 21° \mathfrak{L} 43'03 | |
| | -12705 May 16 j 20:14 | 0° \approx | | greatest brilliancy | -12703 Dec 09 j 01:44 | 28° \mathfrak{L} 01'41 | -4.7m |
| greatest brilliancy | -12705 Jun 04 j 23:56 | 24° \approx 03'01 | -3.9m | | -12703 Dec 16 j 05:52 | 0° \mathfrak{M} | |
| | -12705 Jun 09 j 17:08 | 0° \mathfrak{H} | | retrograde | -12703 Dec 20 j 07:41 | 0° \mathfrak{M} 19'01 | |
| asc. node | -12705 Jun 12 j 10:55 | 3° \mathfrak{H} 27'39 | | | -12703 Dec 24 j 07:35 | 30° \mathfrak{R} \mathfrak{L} | |
| | -12705 Jul 03 j 10:11 | 0° \mathfrak{Y} | | evening set | -12702 Jan 06 j 06:31 | 24° \mathfrak{L} 49'39 | |
| morning set | -12705 Jul 09 j 05:34 | 7° \mathfrak{Y} 21'08 | | inferior conj | -12702 Jan 10 j 17:34 | 22° \mathfrak{L} 03'46 | 7°38'10 |
| | -12705 Jul 27 j 03:20 | 0° \mathfrak{B} | | minimum elong | -12702 Jan 10 j 11:43 | 22° \mathfrak{L} 13'04 | 7°37'20 |
| | -12705 Aug 19 j 23:34 | 0° \mathfrak{I} | | min. Earth dist. | -12702 Jan 11 j 02:46 | 21° \mathfrak{L} 49'12 | 0.29542 AU |
| | | | | morning rise | -12702 Jan 14 j 16:51 | 19° \mathfrak{L} 34'58 | |
| superior conj | -12705 Aug 20 j 07:13 | 0° \mathfrak{I} 23'57 | 1°17'56 | direct | -12702 Feb 01 j 18:50 | 13° \mathfrak{L} 31'09 | |
| minimum elong | -12705 Aug 20 j 14:59 | 0° \mathfrak{I} 48'16 | 1°18'31 | greatest brilliancy | -12702 Feb 11 j 18:55 | 15° \mathfrak{L} 18'20 | -4.7m |
| max. Earth dist. | -12705 Aug 27 j 19:31 | 9° \mathfrak{I} 48'10 | 1.71505 AU | | -12702 Mar 07 j 18:43 | 0° \mathfrak{M} | |
| | -12705 Sep 13 j 00:32 | 0° \mathfrak{D} | | desc. node | -12702 Mar 21 j 05:07 | 11° \mathfrak{M} 54'25 | |
| evening rise | -12705 Oct 02 j 17:49 | 24° \mathfrak{D} 25'17 | | morning max el | -12702 Mar 23 j 01:40 | 13° \mathfrak{M} 40'53 | 46°16'33 |
| desc. node | -12705 Oct 04 j 00:19 | 25° \mathfrak{D} 59'22 | | | -12702 Apr 08 j 03:29 | 0° \mathfrak{A} | |
| | -12705 Oct 07 j 06:21 | 0° \mathcal{O} | | | -12702 May 05 j 01:00 | 0° \mathfrak{Z} | |
| | -12705 Oct 31 j 16:08 | 0° \mathfrak{M} | | | -12702 May 30 j 06:25 | 0° \approx | |
| | -12705 Nov 25 j 05:23 | 0° \mathfrak{L} | | | -12702 Jun 23 j 15:45 | 0° \mathfrak{H} | |
| | -12705 Dec 19 j 23:36 | 0° \mathfrak{M} | | asc. node | -12702 Jul 10 j 01:11 | 20° \mathfrak{H} 28'26 | |
| | -12704 Jan 14 j 03:05 | 0° \mathfrak{A} | | | -12702 Jul 17 j 15:19 | 0° \mathfrak{Y} | |
| asc. node | -12704 Jan 23 j 01:48 | 10° \mathfrak{A} 30'21 | | | -12702 Aug 10 j 11:52 | 0° \mathfrak{B} | |
| | -12704 Feb 08 j 23:13 | 0° \mathfrak{Z} | | | -12702 Sep 03 j 10:07 | 0° \mathfrak{I} | |
| | -12704 Mar 07 j 01:21 | 0° \approx | | morning set | -12702 Sep 25 j 12:54 | 27° \mathfrak{I} 31'48 | |
| evening max el | -12704 Mar 28 j 15:33 | 22° \approx 04'37 | 46°22'24 | | -12702 Sep 27 j 12:44 | 0° \mathfrak{D} | |
| | -12704 Apr 06 j 03:24 | 0° \mathfrak{H} | | | -12702 Oct 21 j 20:04 | 0° \mathcal{O} | |
| greatest brilliancy | -12704 May 07 j 18:36 | 21° \mathfrak{H} 23'30 | -4.9m | desc. node | -12702 Oct 31 j 13:14 | 11° \mathcal{O} 56'23 | |
| desc. node | -12704 May 16 j 00:42 | 23° \mathfrak{H} 05'38 | | | | | |
| retrograde | -12704 May 17 j 13:43 | 23° \mathfrak{H} 08'24 | | superior conj | -12702 Nov 05 j 23:31 | 18° \mathcal{O} 36'08 | -0°12'09 |
| evening set | -12704 Jun 01 j 10:30 | 18° \mathfrak{H} 54'18 | | minimum elong | -12702 Nov 05 j 20:47 | 18° \mathcal{O} 27'44 | 0°11'28 |
| inferior conj | -12704 Jun 07 j 06:41 | 15° \mathfrak{H} 34'06 | -5°10'24 | behind sun begin | -12702 Nov 05 j 02:58 | 17° \mathcal{O} 33'04 | |
| minimum elong | -12704 Jun 06 j 20:57 | 15° \mathfrak{H} 48'30 | 5°08'11 | behind sun end | -12702 Nov 06 j 14:36 | 19° \mathcal{O} 22'24 | |
| min. Earth dist. | -12704 Jun 06 j 18:27 | 15° \mathfrak{H} 52'12 | 0.26314 AU | max. Earth dist. | -12702 Nov 08 j 01:23 | 21° \mathcal{O} 09'06 | 1.73395 AU |
| morning rise | -12704 Jun 12 j 07:29 | 12° \mathfrak{H} 40'44 | | | -12702 Nov 15 j 06:30 | 0° \mathfrak{M} | |
| direct | -12704 Jun 27 j 15:04 | 8° \mathfrak{H} 08'56 | | | -12702 Dec 09 j 17:52 | 0° \mathfrak{L} | |
| greatest brilliancy | -12704 Jul 08 j 03:44 | 10° \mathfrak{H} 14'56 | -4.9m | evening rise | -12702 Dec 14 j 08:56 | 5° \mathfrak{L} 40'31 | |
| | -12704 Aug 05 j 10:14 | 0° \mathfrak{Y} | | | -12701 Jan 03 j 05:06 | 0° \mathfrak{M} | |
| morning max el | -12704 Aug 17 j 04:23 | 11° \mathfrak{Y} 27'15 | 46°33'14 | | -12701 Jan 27 j 17:13 | 0° \mathfrak{A} | |
| | -12704 Sep 03 j 13:00 | 0° \mathfrak{B} | | asc. node | -12701 Feb 19 j 12:23 | 27° \mathfrak{A} 45'46 | |
| asc. node | -12704 Sep 04 j 02:09 | 0° \mathfrak{B} 36'29 | | | -12701 Feb 21 j 08:40 | 0° \mathfrak{Z} | |
| | -12704 Sep 29 j 19:36 | 0° \mathfrak{I} | | | -12701 Mar 18 j 06:09 | 0° \approx | |
| | -12704 Oct 25 j 07:13 | 0° \mathfrak{D} | | | -12701 Apr 12 j 12:35 | 0° \mathfrak{H} | |
| | -12704 Nov 19 j 13:25 | 0° \mathcal{O} | | | -12701 May 08 j 09:57 | 0° \mathfrak{Y} | |
| | -12704 Dec 14 j 17:08 | 0° \mathfrak{M} | | | -12701 Jun 04 j 17:13 | 0° \mathfrak{B} | |
| desc. node | -12704 Dec 26 j 15:10 | 14° \mathfrak{M} 16'28 | | evening max el | -12701 Jun 10 j 23:44 | 6° \mathfrak{B} 27'39 | 47°53'05 |
| | -12703 Jan 08 j 16:46 | 0° \mathfrak{L} | | desc. node | -12701 Jun 13 j 10:21 | 8° \mathfrak{B} 54'49 | |
| | -12703 Feb 02 j 09:58 | 0° \mathfrak{M} | | | -12701 Jul 07 j 08:52 | 0° \mathfrak{I} | |
| morning set | -12703 Feb 16 j 11:45 | 17° \mathfrak{M} 15'04 | | greatest brilliancy | -12701 Jul 22 j 17:29 | 8° \mathfrak{I} 33'06 | -4.9m |
| | -12703 Feb 26 j 19:56 | 0° \mathfrak{A} | | retrograde | -12701 Aug 01 j 03:28 | 10° \mathfrak{I} 15'59 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-------------------------|------------|---------------------|-----------------------|-------------------------|------------|
| evening set | -12701 Aug 18 j 12:30 | 4° Π 17'34 | | superior conj | -12698 Jan 14 j 12:15 | 25° Ω 40'45 | -1°17'52 |
| inferior conj | -12701 Aug 21 j 23:20 | 2° Π 07'29 | -7°59'48 | minimum elong | -12698 Jan 14 j 08:25 | 25° Ω 29'01 | 1°18'10 |
| minimum elong | -12701 Aug 22 j 06:35 | 1° Π 55'59 | 7°58'12 | | -12698 Jan 18 j 00:39 | 0° \mathbb{M} | |
| min. Earth dist. | -12701 Aug 21 j 07:26 | 2° Π 32'43 | 0.27177 AU | | -12698 Feb 11 j 08:48 | 0° \mathcal{A} | |
| | -12701 Aug 25 j 09:02 | 30° \mathcal{R} 8 | | evening rise | -12698 Feb 18 j 11:47 | 8° \mathcal{A} 48'22 | |
| morning rise | -12701 Aug 26 j 00:58 | 29° \mathcal{B} 36'09 | | | -12698 Mar 07 j 14:57 | 0° \mathcal{B} | |
| direct | -12701 Sep 11 j 06:13 | 24° \mathcal{B} 19'57 | | asc. node | -12698 Mar 18 j 23:40 | 14° \mathcal{B} 03'50 | |
| greatest brilliancy | -12701 Sep 20 j 15:08 | 26° \mathcal{B} 01'24 | -4.9m | | -12698 Mar 31 j 20:58 | 0° \approx | |
| | -12701 Sep 29 j 02:17 | 0° Π | | | -12698 Apr 25 j 04:24 | 0° \mathcal{H} | |
| asc. node | -12701 Oct 02 j 13:51 | 2° Π 09'13 | | | -12698 May 19 j 14:50 | 0° Υ | |
| morning max el | -12701 Oct 30 j 19:36 | 26° Π 11'00 | 46°10'49 | | -12698 Jun 13 j 07:04 | 0° \mathcal{B} | |
| | -12701 Nov 03 j 15:31 | 0° \mathcal{B} | | | -12698 Jul 08 j 11:02 | 0° Π | |
| | -12701 Dec 01 j 21:24 | 0° Ω | | desc. node | -12698 Jul 10 j 19:59 | 2° Π 46'55 | |
| | -12701 Dec 28 j 13:44 | 0° \mathbb{M} | | | -12698 Aug 03 j 16:26 | 0° \mathcal{B} | |
| desc. node | -12700 Jan 23 j 11:31 | 0° Ω | | evening max el | -12698 Aug 20 j 20:49 | 18° \mathcal{B} 19'20 | 47°07'20 |
| | -12700 Jan 24 j 05:23 | 0° Ω 52'24 | | | -12698 Sep 01 j 20:59 | 0° Ω | |
| | -12700 Feb 17 j 18:37 | 0° \mathbb{M} | | greatest brilliancy | -12698 Sep 29 j 22:56 | 19° Ω 46'29 | -4.8m |
| | -12700 Mar 13 j 12:31 | 0° \mathcal{A} | | retrograde | -12698 Oct 10 j 17:47 | 22° Ω 00'43 | |
| | -12700 Apr 06 j 19:33 | 0° \mathcal{B} | | evening set | -12698 Oct 25 j 15:27 | 17° Ω 26'02 | |
| morning set | -12700 Apr 24 j 03:26 | 21° \mathcal{B} 39'10 | | asc. node | -12698 Oct 30 j 00:48 | 14° Ω 44'20 | |
| | -12700 Apr 30 j 18:56 | 0° \approx | | inferior conj | -12698 Oct 31 j 19:57 | 13° Ω 34'35 | 0°25'06 |
| asc. node | -12700 May 13 j 23:03 | 16° \approx 35'25 | | minimum elong | -12698 Oct 31 j 19:04 | 13° Ω 36'01 | 0°25'26 |
| | -12700 May 24 j 13:57 | 0° \mathcal{H} | | min. Earth dist. | -12698 Oct 31 j 09:22 | 13° Ω 51'45 | 0.28630 AU |
| max. Earth dist. | -12700 May 30 j 22:11 | 8° \mathcal{H} 01'04 | 1.70869 AU | morning rise | -12698 Nov 06 j 23:25 | 9° Ω 45'53 | |
| | | | | direct | -12698 Nov 22 j 00:18 | 5° Ω 13'35 | |
| superior conj | -12700 May 31 j 13:29 | 8° \mathcal{H} 49'26 | 0°39'20 | greatest brilliancy | -12698 Dec 01 j 01:46 | 6° Ω 45'20 | -4.7m |
| minimum elong | -12700 May 31 j 05:32 | 8° \mathcal{H} 24'18 | 0°38'43 | | -12697 Jan 04 j 08:53 | 0° \mathbb{M} | |
| | -12700 Jun 17 j 07:33 | 0° Υ | | morning max el | -12697 Jan 09 j 20:09 | 5° \mathbb{M} 03'53 | 46°01'31 |
| evening rise | -12700 Jul 10 j 16:29 | 29° Υ 28'59 | | | -12697 Feb 03 j 11:08 | 0° Ω | |
| | -12700 Jul 11 j 02:21 | 0° \mathcal{B} | | desc. node | -12697 Feb 20 j 18:53 | 18° Ω 55'44 | |
| | -12700 Aug 04 j 00:33 | 0° Π | | | -12697 Mar 02 j 14:06 | 0° \mathbb{M} | |
| | -12700 Aug 28 j 03:46 | 0° \mathcal{B} | | | -12697 Mar 28 j 07:06 | 0° \mathcal{A} | |
| desc. node | -12700 Sep 04 j 14:35 | 9° \mathcal{B} 12'11 | | | -12697 Apr 22 j 02:33 | 0° \mathcal{B} | |
| | -12700 Sep 21 j 12:55 | 0° Ω | | | -12697 May 16 j 07:48 | 0° \approx | |
| | -12700 Oct 16 j 05:16 | 0° \mathbb{M} | | greatest brilliancy | -12697 Jun 05 j 11:14 | 25° \approx 18'15 | -3.9m |
| | -12700 Nov 10 j 08:35 | 0° Ω | | | -12697 Jun 09 j 04:33 | 0° \mathcal{H} | |
| | -12700 Dec 06 j 09:07 | 0° \mathbb{M} | | asc. node | -12697 Jun 11 j 13:08 | 2° \mathcal{H} 58'36 | |
| asc. node | -12700 Dec 24 j 18:19 | 20° \mathbb{M} 03'32 | | | -12697 Jul 02 j 21:34 | 0° Υ | |
| | -12699 Jan 03 j 09:47 | 0° \mathcal{A} | | morning set | -12697 Jul 06 j 16:07 | 4° Υ 46'40 | |
| evening max el | -12699 Jan 11 j 19:52 | 8° \mathcal{A} 13'08 | 44°52'47 | | -12697 Jul 26 j 14:42 | 0° \mathcal{B} | |
| | -12699 Feb 08 j 00:02 | 0° \mathcal{B} | | | | | |
| greatest brilliancy | -12699 Feb 18 j 23:13 | 5° \mathcal{B} 14'28 | -4.7m | superior conj | -12697 Aug 17 j 15:13 | 27° \mathcal{B} 43'04 | 1°19'14 |
| retrograde | -12699 Feb 28 j 22:22 | 6° \mathcal{B} 59'36 | | minimum elong | -12697 Aug 17 j 22:02 | 28° \mathcal{B} 04'28 | 1°19'49 |
| evening set | -12699 Mar 17 j 01:58 | 2° \mathcal{B} 12'19 | | | -12697 Aug 19 j 10:54 | 0° Π | |
| | -12699 Mar 20 j 22:17 | 30° \mathcal{R} 8 | | max. Earth dist. | -12697 Aug 25 j 04:49 | 7° Π 11'50 | 1.71440 AU |
| inferior conj | -12699 Mar 22 j 02:34 | 29° \mathcal{A} 17'49 | 5°40'05 | | -12697 Sep 12 j 11:50 | 0° \mathcal{B} | |
| minimum elong | -12699 Mar 22 j 12:02 | 29° \mathcal{A} 03'40 | 5°37'18 | evening rise | -12697 Sep 30 j 03:16 | 21° \mathcal{B} 51'28 | |
| min. Earth dist. | -12699 Mar 23 j 11:11 | 28° \mathcal{A} 29'04 | 0.27951 AU | desc. node | -12697 Oct 03 j 02:27 | 25° \mathcal{B} 31'10 | |
| morning rise | -12699 Mar 27 j 21:09 | 25° \mathcal{A} 56'23 | | | -12697 Oct 06 j 17:38 | 0° Ω | |
| direct | -12699 Apr 12 j 15:19 | 21° \mathcal{A} 15'48 | | | -12697 Oct 31 j 03:28 | 0° \mathbb{M} | |
| desc. node | -12699 Apr 17 j 16:25 | 21° \mathcal{A} 44'36 | | | -12697 Nov 24 j 16:55 | 0° Ω | |
| greatest brilliancy | -12699 Apr 24 j 12:56 | 23° \mathcal{A} 47'48 | -4.8m | | -12697 Dec 19 j 11:34 | 0° \mathbb{M} | |
| | -12699 May 05 j 20:47 | 0° \mathcal{B} | | | -12696 Jan 13 j 15:54 | 0° \mathcal{A} | |
| morning max el | -12699 Jun 02 j 00:12 | 23° \mathcal{B} 29'57 | 46°37'35 | asc. node | -12696 Jan 22 j 04:15 | 9° \mathcal{A} 58'46 | |
| | -12699 Jun 08 j 07:55 | 0° \approx | | | -12696 Feb 08 j 13:42 | 0° \mathcal{B} | |
| | -12699 Jul 05 j 06:35 | 0° \mathcal{H} | | | -12696 Mar 06 j 19:30 | 0° \approx | |
| | -12699 Jul 30 j 11:14 | 0° Υ | | evening max el | -12696 Mar 26 j 05:22 | 19° \approx 43'35 | 46°18'18 |
| asc. node | -12699 Aug 06 j 15:20 | 8° Υ 43'18 | | | -12696 Apr 06 j 09:30 | 0° \mathcal{H} | |
| | -12699 Aug 23 j 23:48 | 0° \mathcal{B} | | greatest brilliancy | -12696 May 05 j 05:42 | 18° \mathcal{H} 53'23 | -4.9m |
| | -12699 Sep 17 j 08:03 | 0° Π | | retrograde | -12696 May 15 j 01:08 | 20° \mathcal{H} 37'48 | |
| | -12699 Oct 11 j 17:55 | 0° \mathcal{B} | | desc. node | -12696 May 15 j 02:56 | 20° \mathcal{H} 37'48 | |
| | -12699 Nov 05 j 07:13 | 0° Ω | | evening set | -12696 May 29 j 19:25 | 16° \mathcal{H} 28'03 | |
| desc. node | -12699 Nov 28 j 03:05 | 27° Ω 47'42 | | inferior conj | -12696 Jun 04 j 18:08 | 13° \mathcal{H} 04'28 | -4°50'26 |
| | -12699 Nov 29 j 22:34 | 0° \mathbb{M} | | minimum elong | -12696 Jun 04 j 08:45 | 13° \mathcal{H} 18'22 | 4°48'15 |
| morning set | -12699 Dec 08 j 09:13 | 10° \mathbb{M} 17'00 | | min. Earth dist. | -12696 Jun 04 j 07:18 | 13° \mathcal{H} 20'30 | 0.26319 AU |
| | -12699 Dec 24 j 13:07 | 0° Ω | | morning rise | -12696 Jun 09 j 22:08 | 10° \mathcal{H} 06'45 | |
| max. Earth dist. | -12698 Jan 10 j 20:40 | 21° Ω 11'56 | 1.73763 AU | direct | -12696 Jun 25 j 03:27 | 5° \mathcal{H} 39'24 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|-----------------------|------------|---------------------|--|-----------------------|---------------------------|------------|
| greatest brilliancy | -12696 Jul 05 j 17:07 | 7° H 45'55 | -4.9m | | | -12693 Jan 27 j 04:31 | 0° A | |
| | -12696 Aug 05 j 14:54 | 0° Y | | asc. node | | -12693 Feb 18 j 14:36 | 27° A 16'46 | |
| morning max el | -12696 Aug 14 j 16:29 | 8° Y 56'37 | 46°33'46 | | | -12693 Feb 20 j 20:30 | 0° Z | |
| asc. node | -12696 Sep 03 j 04:16 | 29° Y 52'05 | | | | -12693 Mar 17 j 18:49 | 0° \approx | |
| | -12696 Sep 03 j 07:07 | 0° B | | | | -12693 Apr 12 j 02:31 | 0° H | |
| | -12696 Sep 29 j 10:26 | 0° II | | | | -12693 May 08 j 02:07 | 0° Y | |
| | -12696 Oct 24 j 20:27 | 0° G | | | | -12693 Jun 04 j 14:31 | 0° B | |
| | -12696 Nov 19 j 01:44 | 0° Ω | | evening max el | | -12693 Jun 08 j 13:04 | 4° B 01'47 | 47°52'02 |
| | -12696 Dec 14 j 04:50 | 0° M | | desc. node | | -12693 Jun 12 j 12:44 | 8° B 00'31 | |
| desc. node | -12696 Dec 25 j 17:25 | 13° M 48'44 | | | | -12693 Jul 08 j 10:52 | 0° II | |
| | -12695 Jan 08 j 04:04 | 0° G | | greatest brilliancy | | -12693 Jul 20 j 08:32 | 6° II 08'33 | -4.9m |
| | -12695 Feb 01 j 21:00 | 0° M | | retrograde | | -12693 Jul 29 j 17:13 | 7° II 50'35 | |
| morning set | -12695 Feb 14 j 07:12 | 15° M 13'40 | | evening set | | -12693 Aug 16 j 04:53 | 1° II 49'17 | |
| | -12695 Feb 26 j 06:49 | 0° A | | min. Earth dist. | | -12693 Aug 18 j 21:19 | 0° II 08'37 | 0.27135 AU |
| max. Earth dist. | -12695 Mar 16 j 13:13 | 22° A 39'41 | 1.72505 AU | | | -12693 Aug 19 j 02:46 | 30° R B | |
| | | | | inferior conj | | -12693 Aug 19 j 13:24 | 29° B 43'09 | -8°08'35 |
| superior conj | -12695 Mar 21 j 04:51 | 28° A 27'13 | -0°53'27 | minimum elong | | -12693 Aug 19 j 20:06 | 29° B 32'33 | 8°07'07 |
| minimum elong | -12695 Mar 21 j 12:31 | 28° A 51'03 | 0°53'59 | morning rise | | -12693 Aug 23 j 11:34 | 27° B 17'14 | |
| | -12695 Mar 22 j 10:38 | 0° Z | | direct | | -12693 Sep 08 j 19:09 | 21° B 56'32 | |
| | -12695 Apr 15 j 10:39 | 0° \approx | | greatest brilliancy | | -12693 Sep 18 j 05:42 | 23° B 39'11 | -4.9m |
| asc. node | -12695 Apr 15 j 12:01 | 0° \approx 04'16 | | | | -12693 Sep 30 j 11:54 | 0° II | |
| evening rise | -12695 Apr 26 j 00:20 | 13° \approx 14'33 | | asc. node | | -12693 Oct 01 j 16:08 | 0° II 47'34 | |
| | -12695 May 09 j 09:05 | 0° H | | morning max el | | -12693 Oct 28 j 09:49 | 23° II 51'22 | 46°11'30 |
| | -12695 Jun 02 j 07:50 | 0° Y | | | | -12693 Nov 03 j 12:37 | 0° G | |
| | -12695 Jun 26 j 08:49 | 0° B | | | | -12693 Dec 01 j 13:03 | 0° Ω | |
| | -12695 Jul 20 j 14:20 | 0° II | | | | -12693 Dec 28 j 03:10 | 0° M | |
| desc. node | -12695 Aug 07 j 05:57 | 21° II 37'28 | | | | -12692 Jan 22 j 23:46 | 0° G | |
| | -12695 Aug 14 j 03:24 | 0° G | | desc. node | | -12692 Jan 23 j 07:30 | 0° G 22'42 | |
| | -12695 Sep 08 j 04:51 | 0° Ω | | | | -12692 Feb 17 j 06:11 | 0° M | |
| | -12695 Oct 04 j 05:38 | 0° M | | | | -12692 Mar 12 j 23:43 | 0° A | |
| evening max el | -12695 Oct 30 j 09:40 | 27° M 44'55 | 45°20'45 | | | -12692 Apr 06 j 06:36 | 0° Z | |
| | -12695 Nov 01 j 17:00 | 0° G | | morning set | | -12692 Apr 21 j 20:56 | 19° Z 28'58 | |
| asc. node | -12695 Nov 26 j 11:01 | 20° G 30'27 | | | | -12692 Apr 30 j 05:57 | 0° \approx | |
| greatest brilliancy | -12695 Dec 06 j 19:03 | 25° G 55'45 | -4.7m | asc. node | | -12692 May 13 j 01:19 | 16° \approx 07'49 | |
| retrograde | -12695 Dec 18 j 00:30 | 28° G 13'21 | | | | -12692 May 24 j 01:00 | 0° H | |
| evening set | -12694 Jan 03 j 21:29 | 22° G 46'51 | | max. Earth dist. | | -12692 May 28 j 08:09 | 5° H 25'53 | 1.70899 AU |
| inferior conj | -12694 Jan 08 j 10:52 | 19° G 57'24 | 7°31'42 | | | | | |
| minimum elong | -12694 Jan 08 j 04:32 | 20° G 07'28 | 7°30'46 | superior conj | | -12692 May 29 j 03:23 | 6° H 26'40 | 0°36'13 |
| min. Earth dist. | -12694 Jan 08 j 19:18 | 19° G 44'01 | 0.29549 AU | minimum elong | | -12692 May 28 j 20:00 | 6° H 03'19 | 0°35'33 |
| morning rise | -12694 Jan 12 j 11:27 | 17° G 26'13 | | | | -12692 Jun 16 j 18:41 | 0° Y | |
| direct | -12694 Jan 30 j 11:18 | 11° G 24'24 | | evening rise | | -12692 Jul 08 j 02:08 | 26° Y 53'04 | |
| greatest brilliancy | -12694 Feb 09 j 10:51 | 13° G 10'37 | -4.7m | | | -12692 Jul 10 j 13:33 | 0° B | |
| | -12694 Mar 08 j 01:08 | 0° M | | | | -12692 Aug 03 j 11:51 | 0° II | |
| desc. node | -12694 Mar 20 j 07:14 | 11° M 05'10 | | | | -12692 Aug 27 j 15:13 | 0° G | |
| morning max el | -12694 Mar 20 j 16:51 | 11° M 28'15 | 46°15'53 | desc. node | | -12692 Sep 03 j 16:45 | 8° G 43'27 | |
| | -12694 Apr 07 j 21:03 | 0° A | | | | -12692 Sep 21 j 00:35 | 0° Ω | |
| | -12694 May 04 j 15:15 | 0° Z | | | | -12692 Oct 15 j 17:20 | 0° M | |
| | -12694 May 29 j 19:15 | 0° \approx | | | | -12692 Nov 09 j 21:32 | 0° G | |
| | -12694 Jun 23 j 03:53 | 0° H | | | | -12692 Dec 06 j 00:00 | 0° M | |
| asc. node | -12694 Jul 09 j 03:32 | 19° H 58'39 | | asc. node | | -12692 Dec 23 j 20:44 | 19° M 23'20 | |
| | -12694 Jul 17 j 03:03 | 0° Y | | | | -12691 Jan 03 j 06:02 | 0° A | |
| | -12694 Aug 09 j 23:23 | 0° B | | evening max el | | -12691 Jan 09 j 10:58 | 6° A 00'56 | 44°51'45 |
| | -12694 Sep 02 j 21:28 | 0° II | | | | -12691 Feb 09 j 13:37 | 0° Z | |
| morning set | -12694 Sep 22 j 23:09 | 24° II 59'54 | | greatest brilliancy | | -12691 Feb 16 j 11:26 | 2° Z 58'44 | -4.7m |
| | -12694 Sep 26 j 23:57 | 0° G | | retrograde | | -12691 Feb 26 j 12:44 | 4° Z 45'20 | |
| | -12694 Oct 21 j 07:09 | 0° Ω | | evening set | | -12691 Mar 14 j 18:41 | 29° A 53'41 | |
| desc. node | -12694 Oct 30 j 15:26 | 11° Ω 29'16 | | | | -12691 Mar 14 j 14:04 | 30° R A | |
| | | | | inferior conj | | -12691 Mar 19 j 16:45 | 27° A 02'11 | 5°54'30 |
| superior conj | -12694 Nov 03 j 12:34 | 16° Ω 15'08 | -0°08'43 | minimum elong | | -12691 Mar 20 j 02:13 | 26° A 48'00 | 5°51'48 |
| minimum elong | -12694 Nov 03 j 10:37 | 16° Ω 09'09 | 0°08'04 | min. Earth dist. | | -12691 Mar 21 j 01:18 | 26° A 13'27 | 0.28037 AU |
| behind sun begin | -12694 Nov 02 j 12:29 | 15° Ω 01'12 | | morning rise | | -12691 Mar 25 j 08:55 | 23° A 43'55 | |
| behind sun end | -12694 Nov 04 j 08:46 | 17° Ω 17'06 | | direct | | -12691 Apr 10 j 07:01 | 18° A 58'32 | |
| max. Earth dist. | -12694 Nov 05 j 20:17 | 19° Ω 06'05 | 1.73347 AU | desc. node | | -12691 Apr 16 j 18:44 | 19° A 45'51 | |
| | -12694 Nov 14 j 17:29 | 0° M | | greatest brilliancy | | -12691 Apr 22 j 03:14 | 21° A 29'36 | -4.8m |
| | -12694 Dec 09 j 04:48 | 0° G | | | | -12691 May 06 j 18:25 | 0° Z | |
| evening rise | -12694 Dec 12 j 02:30 | 3° G 33'37 | | morning max el | | -12691 May 30 j 16:04 | 21° Z 12'18 | 46°37'08 |
| | -12693 Jan 02 j 16:08 | 0° M | | | | -12691 Jun 08 j 04:08 | 0° \approx | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | | | |
|---------------------|-----------------------|----------------------|------------|--|---------------------|--|-----------------------|-----------------------|------------|--|--|
| | -12691 Jul 04 j 22:08 | 0° H | | | | | -12689 Dec 18 j 23:28 | 0° M | | | |
| | -12691 Jul 30 j 00:51 | 0° Y | | | | | -12688 Jan 13 j 04:43 | 0° A | | | |
| asc. node | -12691 Aug 05 j 17:22 | 8° Y 08'53 | | | asc. node | | -12688 Jan 21 j 06:25 | 9° A 26'19 | | | |
| | -12691 Aug 23 j 12:25 | 0° B | | | | | -12688 Feb 08 j 04:20 | 0° B | | | |
| | -12691 Sep 16 j 20:04 | 0° II | | | | | -12688 Mar 06 j 14:09 | 0° \approx | | | |
| | -12691 Oct 11 j 05:31 | 0° C | | | evening max el | | -12688 Mar 23 j 18:38 | 17° \approx 21'05 | 46°14'07 | | |
| | -12691 Nov 04 j 18:29 | 0° Ω | | | | | -12688 Apr 06 j 18:00 | 0° H | | | |
| desc. node | -12691 Nov 27 j 05:20 | 27° Ω 20'55 | | | greatest brilliancy | | -12688 May 02 j 17:27 | 16° H 23'57 | -4.9m | | |
| | -12691 Nov 29 j 09:36 | 0° M | | | retrograde | | -12688 May 12 j 11:58 | 18° H 07'19 | | | |
| morning set | -12691 Dec 06 j 01:11 | 8° M 05'56 | | | desc. node | | -12688 May 14 j 05:15 | 18° H 03'53 | | | |
| | -12691 Dec 23 j 23:59 | 0° Ω | | | evening set | | -12688 May 27 j 04:35 | 14° H 01'30 | | | |
| max. Earth dist. | -12690 Jan 08 j 20:25 | 19° Ω 24'21 | 1.73783 AU | | inferior conj | | -12688 Jun 02 j 05:38 | 10° H 35'04 | -4°29'49 | | |
| | | | | | minimum elong | | -12688 Jun 01 j 20:40 | 10° H 48'21 | 4°27'42 | | |
| superior conj | -12690 Jan 12 j 07:24 | 23° Ω 38'57 | -1°17'07 | | min. Earth dist. | | -12688 Jun 01 j 20:39 | 10° H 48'24 | 0.26327 AU | | |
| minimum elong | -12690 Jan 12 j 03:03 | 23° Ω 25'35 | 1°17'22 | | morning rise | | -12688 Jun 07 j 12:42 | 7° H 33'02 | | | |
| | -12690 Jan 17 j 11:27 | 0° M | | | direct | | -12688 Jun 22 j 15:20 | 3° H 09'48 | | | |
| | -12690 Feb 10 j 19:40 | 0° A | | | greatest brilliancy | | -12688 Jul 03 j 07:09 | 5° H 17'37 | -4.9m | | |
| evening rise | -12690 Feb 16 j 07:52 | 6° A 48'26 | | | | | -12688 Aug 05 j 17:56 | 0° Y | | | |
| | -12690 Mar 07 j 02:00 | 0° B | | | morning max el | | -12688 Aug 12 j 03:52 | 6° Y 23'51 | 46°34'18 | | |
| asc. node | -12690 Mar 18 j 01:52 | 13° B 36'06 | | | asc. node | | -12688 Sep 02 j 06:32 | 29° Y 08'28 | | | |
| | -12690 Mar 31 j 08:20 | 0° \approx | | | | | -12688 Sep 03 j 00:53 | 0° B | | | |
| | -12690 Apr 24 j 16:15 | 0° H | | | | | -12688 Sep 29 j 01:10 | 0° II | | | |
| | -12690 May 19 j 03:18 | 0° Y | | | | | -12688 Oct 24 j 09:41 | 0° C | | | |
| | -12690 Jun 12 j 20:24 | 0° B | | | | | -12688 Nov 18 j 14:02 | 0° Ω | | | |
| | -12690 Jul 08 j 01:45 | 0° II | | | | | -12688 Dec 13 j 16:32 | 0° M | | | |
| desc. node | -12690 Jul 09 j 22:13 | 2° II 09'58 | | | desc. node | | -12688 Dec 24 j 19:29 | 13° M 20'29 | | | |
| | -12690 Aug 03 j 10:03 | 0° C | | | | | -12687 Jan 07 j 15:21 | 0° Ω | | | |
| evening max el | -12690 Aug 18 j 14:05 | 16° C 06'32 | 47°11'00 | | | | -12687 Feb 01 j 08:03 | 0° M | | | |
| | -12690 Sep 02 j 00:46 | 0° Ω | | | morning set | | -12687 Feb 12 j 02:45 | 13° M 12'36 | | | |
| greatest brilliancy | -12690 Sep 27 j 17:06 | 17° Ω 35'33 | -4.8m | | | | -12687 Feb 25 j 17:46 | 0° A | | | |
| retrograde | -12690 Oct 08 j 11:33 | 19° Ω 48'59 | | | max. Earth dist. | | -12687 Mar 14 j 07:08 | 20° A 32'01 | 1.72570 AU | | |
| evening set | -12690 Oct 23 j 09:13 | 15° Ω 13'41 | | | | | | | | | |
| min. Earth dist. | -12690 Oct 29 j 01:53 | 11° Ω 40'53 | 0.28575 AU | | superior conj | | -12687 Mar 19 j 00:28 | 26° A 24'38 | -0°55'36 | | |
| asc. node | -12690 Oct 29 j 03:06 | 11° Ω 38'55 | | | minimum elong | | -12687 Mar 19 j 08:09 | 26° A 48'32 | 0°56'09 | | |
| inferior conj | -12690 Oct 29 j 12:56 | 11° Ω 22'57 | 0°05'44 | | | | -12687 Mar 21 j 21:37 | 0° B | | | |
| minimum elong | -12690 Oct 29 j 12:43 | 11° Ω 23'18 | 0°06'17 | | asc. node | | -12687 Apr 14 j 14:19 | 29° B 36'39 | | | |
| transit middle | -12690 Oct 29 j 12:43 | 11° Ω 23'18 | 0°06'17 | | | | -12687 Apr 14 j 21:46 | 0° \approx | | | |
| transit begin | -12690 Oct 29 j 09:02 | 11° Ω 29'18 | | | evening rise | | -12687 Apr 23 j 17:47 | 11° \approx 03'45 | | | |
| transit end | -12690 Oct 29 j 16:24 | 11° Ω 17'19 | | | | | -12687 May 08 j 20:26 | 0° H | | | |
| morning rise | -12690 Nov 04 j 17:04 | 7° Ω 33'31 | | | | | -12687 Jun 01 j 19:26 | 0° Y | | | |
| direct | -12690 Nov 19 j 16:59 | 3° Ω 03'06 | | | | | -12687 Jun 25 j 20:43 | 0° B | | | |
| greatest brilliancy | -12690 Nov 28 j 17:12 | 4° Ω 34'13 | -4.7m | | | | -12687 Jul 20 j 02:37 | 0° II | | | |
| | -12689 Jan 04 j 09:18 | 0° M | | | desc. node | | -12687 Aug 06 j 08:09 | 21° II 05'33 | | | |
| morning max el | -12689 Jan 07 j 13:03 | 2° M 57'09 | 46°01'16 | | | | -12687 Aug 13 j 16:16 | 0° C | | | |
| | -12689 Feb 03 j 03:24 | 0° Ω | | | | | -12687 Sep 07 j 18:44 | 0° Ω | | | |
| desc. node | -12689 Feb 19 j 20:57 | 18° Ω 21'18 | | | | | -12687 Oct 03 j 21:44 | 0° M | | | |
| | -12689 Mar 02 j 03:44 | 0° M | | | evening max el | | -12687 Oct 28 j 00:42 | 25° M 30'16 | 45°23'44 | | |
| | -12689 Mar 27 j 19:32 | 0° A | | | | | -12687 Nov 01 j 16:04 | 0° Ω | | | |
| | -12689 Apr 21 j 14:21 | 0° B | | | asc. node | | -12687 Nov 25 j 13:25 | 19° Ω 15'41 | | | |
| | -12689 May 15 j 19:16 | 0° \approx | | | greatest brilliancy | | -12687 Dec 04 j 12:07 | 23° Ω 49'26 | -4.7m | | |
| greatest brilliancy | -12689 Jun 05 j 15:27 | 26° \approx 11'24 | -3.9m | | retrograde | | -12687 Dec 15 j 17:50 | 26° Ω 08'11 | | | |
| | -12689 Jun 08 j 15:53 | 0° H | | | evening set | | -12686 Jan 01 j 12:39 | 20° Ω 44'20 | | | |
| asc. node | -12689 Jun 10 j 15:22 | 2° H 29'53 | | | inferior conj | | -12686 Jan 06 j 04:25 | 17° Ω 51'24 | 7°24'36 | | |
| | -12689 Jul 02 j 08:52 | 0° Y | | | minimum elong | | -12686 Jan 05 j 21:39 | 18° Ω 02'09 | 7°23'35 | | |
| morning set | -12689 Jul 04 j 02:42 | 2° Y 12'30 | | | min. Earth dist. | | -12686 Jan 06 j 11:59 | 17° Ω 39'23 | 0.29552 AU | | |
| | -12689 Jul 26 j 02:00 | 0° B | | | morning rise | | -12686 Jan 10 j 06:31 | 15° Ω 17'48 | | | |
| | | | | | direct | | -12686 Jan 28 j 03:56 | 9° Ω 18'01 | | | |
| superior conj | -12689 Aug 14 j 23:19 | 25° B 02'29 | 1°20'20 | | greatest brilliancy | | -12686 Feb 07 j 03:10 | 11° Ω 03'47 | -4.7m | | |
| minimum elong | -12689 Aug 15 j 05:07 | 25° B 20'40 | 1°20'56 | | | | -12686 Mar 08 j 05:32 | 0° M | | | |
| | -12689 Aug 18 j 22:12 | 0° II | | | morning max el | | -12686 Mar 18 j 08:45 | 9° M 17'29 | 46°15'06 | | |
| max. Earth dist. | -12689 Aug 22 j 13:54 | 4° II 34'43 | 1.71373 AU | | desc. node | | -12686 Mar 19 j 09:33 | 10° M 17'13 | | | |
| | -12689 Sep 11 j 23:05 | 0° C | | | | | -12686 Apr 07 j 14:20 | 0° A | | | |
| evening rise | -12689 Sep 27 j 12:32 | 19° C 17'05 | | | | | -12686 May 04 j 05:32 | 0° B | | | |
| desc. node | -12689 Oct 02 j 04:43 | 25° C 03'31 | | | | | -12686 May 29 j 08:16 | 0° \approx | | | |
| | -12689 Oct 06 j 04:52 | 0° Ω | | | | | -12686 Jun 22 j 16:15 | 0° H | | | |
| | -12689 Oct 30 j 14:45 | 0° M | | | asc. node | | -12686 Jul 08 j 05:34 | 19° H 27'11 | | | |
| | -12689 Nov 24 j 04:23 | 0° Ω | | | | | -12686 Jul 16 j 15:03 | 0° Y | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | |
|---------------------|-----------------------|----------------------|---------------------|-----------------------|----------------------|------------|
| | -12686 Aug 09 j 11:07 | 0°♄ | evening max el | -12683 Jan 07 j 02:43 | 3°♄49'17 | 44°50'51 |
| | -12686 Sep 02 j 09:02 | 0°♄ | | -12683 Feb 12 j 01:00 | 0°♄ | |
| morning set | -12686 Sep 20 j 09:07 | 22°♄26'13 | greatest brilliancy | -12683 Feb 14 j 00:21 | 0°♄43'28 | -4.7m |
| | -12686 Sep 26 j 11:23 | 0°♄ | retrograde | -12683 Feb 24 j 03:05 | 2°♄30'53 | |
| | -12686 Oct 20 j 18:29 | 0°♄ | | -12683 Mar 07 j 14:50 | 30°♄♂ | |
| desc. node | -12686 Oct 29 j 17:39 | 11°♄01'24 | evening set | -12683 Mar 12 j 11:40 | 27°♄35'15 | |
| | | | inferior conj | -12683 Mar 17 j 07:10 | 24°♄46'39 | 6°08'14 |
| superior conj | -12686 Nov 01 j 01:26 | 13°♄52'42 -0°05'15 | minimum elong | -12683 Mar 17 j 16:35 | 24°♄32'31 | 6°05'37 |
| minimum elong | -12686 Nov 01 j 00:18 | 13°♄49'14 0°04'36 | min. Earth dist. | -12683 Mar 18 j 15:33 | 23°♄58'03 | 0.28116 AU |
| behind sun begin | -12686 Oct 30 j 23:44 | 12°♄33'48 | morning rise | -12683 Mar 22 j 20:45 | 21°♄31'32 | |
| behind sun end | -12686 Nov 02 j 00:52 | 15°♄04'39 | direct | -12683 Apr 07 j 22:57 | 16°♄41'41 | |
| max. Earth dist. | -12686 Nov 03 j 13:04 | 16°♄55'44 1.73297 AU | desc. node | -12683 Apr 15 j 20:56 | 17°♄51'25 | |
| | -12686 Nov 14 j 04:44 | 0°♄ | greatest brilliancy | -12683 Apr 19 j 17:07 | 19°♄10'54 | -4.8m |
| | -12686 Dec 08 j 16:00 | 0°♄ | | -12683 May 07 j 10:41 | 0°♄ | |
| evening rise | -12686 Dec 09 j 20:00 | 1°♄25'49 | morning max el | -12683 May 28 j 07:13 | 18°♄52'45 | 46°36'34 |
| | -12685 Jan 02 j 03:23 | 0°♄ | | -12683 Jun 07 j 23:54 | 0°♄ | |
| | -12685 Jan 26 j 16:02 | 0°♄ | | -12683 Jul 04 j 13:39 | 0°♄ | |
| asc. node | -12685 Feb 17 j 16:56 | 26°♄47'33 | | -12683 Jul 29 j 14:38 | 0°♄ | |
| | -12685 Feb 20 j 08:32 | 0°♄ | asc. node | -12683 Aug 04 j 19:36 | 7°♄34'27 | |
| | -12685 Mar 17 j 07:43 | 0°♄ | | -12683 Aug 23 j 01:19 | 0°♄ | |
| | -12685 Apr 11 j 16:49 | 0°♄ | | -12683 Sep 16 j 08:25 | 0°♄ | |
| | -12685 May 07 j 18:52 | 0°♄ | | -12683 Oct 10 j 17:28 | 0°♄ | |
| | -12685 Jun 04 j 13:04 | 0°♄ | | -12683 Nov 04 j 06:07 | 0°♄ | |
| evening max el | -12685 Jun 06 j 02:52 | 1°♄35'53 47°50'37 | desc. node | -12683 Nov 26 j 07:23 | 26°♄52'33 | |
| desc. node | -12685 Jun 11 j 14:58 | 7°♄03'18 | | -12683 Nov 28 j 20:57 | 0°♄ | |
| | -12685 Jul 10 j 00:43 | 0°♄ | morning set | -12683 Dec 03 j 16:37 | 5°♄52'15 | |
| greatest brilliancy | -12685 Jul 17 j 22:48 | 3°♄40'58 -4.9m | | -12683 Dec 23 j 11:11 | 0°♄ | |
| retrograde | -12685 Jul 27 j 07:01 | 5°♄22'49 | max. Earth dist. | -12682 Jan 06 j 19:32 | 17°♄33'53 1.73798 AU | |
| | -12685 Aug 12 j 17:14 | 30°♄♂ | | | | |
| evening set | -12685 Aug 13 j 20:38 | 29°♄18'48 | superior conj | -12682 Jan 10 j 02:12 | 21°♄35'09 -1°16'14 | |
| min. Earth dist. | -12685 Aug 16 j 10:36 | 27°♄42'20 0.27093 AU | minimum elong | -12682 Jan 09 j 21:21 | 21°♄20'16 1°16'28 | |
| inferior conj | -12685 Aug 17 j 03:05 | 27°♄16'20 -8°16'22 | | -12682 Jan 16 j 22:35 | 0°♄ | |
| minimum elong | -12685 Aug 17 j 09:10 | 27°♄06'44 8°15'06 | | -12682 Feb 10 j 06:51 | 0°♄ | |
| morning rise | -12685 Aug 20 j 21:56 | 24°♄55'50 | evening rise | -12682 Feb 14 j 03:54 | 4°♄47'22 | |
| direct | -12685 Sep 06 j 08:06 | 19°♄30'37 | | -12682 Mar 06 j 13:21 | 0°♄ | |
| greatest brilliancy | -12685 Sep 15 j 19:36 | 21°♄14'21 -4.9m | asc. node | -12682 Mar 17 j 04:15 | 13°♄07'57 | |
| asc. node | -12685 Sep 30 j 18:27 | 29°♄27'08 | | -12682 Mar 30 j 19:59 | 0°♄ | |
| | -12685 Oct 01 j 12:42 | 0°♄ | | -12682 Apr 24 j 04:20 | 0°♄ | |
| morning max el | -12685 Oct 26 j 00:36 | 21°♄31'50 46°12'18 | | -12682 May 18 j 16:00 | 0°♄ | |
| | -12685 Nov 03 j 09:27 | 0°♄ | | -12682 Jun 12 j 09:59 | 0°♄ | |
| | -12685 Dec 01 j 04:50 | 0°♄ | | -12682 Jul 07 j 16:49 | 0°♄ | |
| | -12685 Dec 27 j 16:48 | 0°♄ | desc. node | -12682 Jul 09 j 00:25 | 1°♄32'07 | |
| desc. node | -12684 Jan 22 j 09:32 | 29°♄52'00 | | -12682 Aug 03 j 04:20 | 0°♄ | |
| | -12684 Jan 22 j 12:15 | 0°♄ | evening max el | -12682 Aug 16 j 06:49 | 13°♄51'12 47°14'15 | |
| | -12684 Feb 16 j 17:59 | 0°♄ | | -12682 Sep 02 j 06:59 | 0°♄ | |
| | -12684 Mar 12 j 11:08 | 0°♄ | greatest brilliancy | -12682 Sep 25 j 11:36 | 15°♄23'11 -4.8m | |
| | -12684 Apr 05 j 17:50 | 0°♄ | retrograde | -12682 Oct 06 j 04:41 | 17°♄34'54 | |
| morning set | -12684 Apr 19 j 14:57 | 17°♄19'57 | evening set | -12682 Oct 21 j 02:51 | 12°♄59'02 | |
| | -12684 Apr 29 j 17:10 | 0°♄ | inferior conj | -12682 Oct 27 j 05:40 | 9°♄09'15 -0°13'54 | |
| asc. node | -12684 May 12 j 03:33 | 15°♄39'27 | minimum elong | -12682 Oct 27 j 06:07 | 9°♄08'31 0°13'07 | |
| | -12684 May 23 j 12:17 | 0°♄ | transit middle | -12682 Oct 27 j 06:07 | 9°♄08'31 0°13'07 | |
| max. Earth dist. | -12684 May 25 j 18:40 | 2°♄51'44 1.70937 AU | transit begin | -12682 Oct 27 j 03:42 | 9°♄12'26 | |
| | | | transit end | -12682 Oct 27 j 08:32 | 9°♄04'35 | |
| superior conj | -12684 May 26 j 17:43 | 4°♄04'35 0°33'03 | min. Earth dist. | -12682 Oct 26 j 18:30 | 9°♄27'25 0.28521 AU | |
| minimum elong | -12684 May 26 j 10:56 | 3°♄43'07 0°32'23 | asc. node | -12682 Oct 28 j 05:26 | 8°♄30'42 | |
| | -12684 Jun 16 j 06:05 | 0°♄ | morning rise | -12682 Nov 02 j 10:17 | 5°♄19'01 | |
| evening rise | -12684 Jul 05 j 11:54 | 24°♄16'27 | direct | -12682 Nov 17 j 09:12 | 0°♄50'37 | |
| | -12684 Jul 10 j 01:06 | 0°♄ | greatest brilliancy | -12682 Nov 26 j 08:51 | 2°♄21'20 -4.7m | |
| | -12684 Aug 02 j 23:33 | 0°♄ | | -12681 Jan 04 j 09:09 | 0°♄ | |
| | -12684 Aug 27 j 03:03 | 0°♄ | morning max el | -12681 Jan 05 j 04:50 | 0°♄46'30 46°01'06 | |
| desc. node | -12684 Sep 02 j 19:05 | 8°♄14'01 | | -12681 Feb 02 j 19:45 | 0°♄ | |
| | -12684 Sep 20 j 12:39 | 0°♄ | desc. node | -12681 Feb 18 j 23:16 | 17°♄46'58 | |
| | -12684 Oct 15 j 05:50 | 0°♄ | | -12681 Mar 01 j 17:31 | 0°♄ | |
| | -12684 Nov 09 j 10:57 | 0°♄ | | -12681 Mar 27 j 08:08 | 0°♄ | |
| | -12684 Dec 05 j 15:30 | 0°♄ | | -12681 Apr 21 j 02:20 | 0°♄ | |
| asc. node | -12684 Dec 22 j 22:56 | 18°♄41'06 | | -12681 May 15 j 06:55 | 0°♄ | |
| | -12683 Jan 03 j 03:24 | 0°♄ | greatest brilliancy | -12681 Jun 05 j 16:11 | 26°♄53'12 -3.9m | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------------------|------------|---------------------|-----------------------|-----------------------|------------|
| | -12681 Jun 08 j 03:22 | 0° H | | evening set | -12679 Dec 30 j 03:37 | 18° H 41'29 | |
| asc. node | -12681 Jun 09 j 17:27 | 2° H 00'18 | | inferior conj | -12678 Jan 03 j 21:50 | 15° H 44'55 | 7°16'45 |
| morning set | -12681 Jul 01 j 13:56 | 29° H 39'56 | | minimum elong | -12678 Jan 03 j 14:40 | 15° H 56'17 | 7°15'40 |
| | -12681 Jul 01 j 20:16 | 0° Y | | min. Earth dist. | -12678 Jan 04 j 04:16 | 15° H 34'42 | 0.29558 AU |
| | -12681 Jul 25 j 13:23 | 0° B | | morning rise | -12678 Jan 08 j 01:36 | 13° H 08'50 | |
| | | | | direct | -12678 Jan 25 j 20:46 | 7° H 11'10 | |
| superior conj | -12681 Aug 12 j 07:55 | 22° B 23'05 | 1°21'14 | greatest brilliancy | -12678 Feb 04 j 19:16 | 8° H 56'30 | -4.7m |
| minimum elong | -12681 Aug 12 j 12:38 | 22° B 37'54 | 1°21'50 | | -12678 Mar 08 j 08:22 | 0° M | |
| | -12681 Aug 18 j 09:34 | 0° II | | morning max el | -12678 Mar 16 j 01:27 | 7° M 08'42 | 46°14'22 |
| max. Earth dist. | -12681 Aug 19 j 22:51 | 1° II 56'49 | 1.71311 AU | desc. node | -12678 Mar 18 j 11:43 | 9° M 29'37 | |
| | -12681 Sep 11 j 10:28 | 0° G | | | -12678 Apr 07 j 07:17 | 0° X | |
| evening rise | -12681 Sep 24 j 21:31 | 16° G 41'09 | | | -12678 May 03 j 19:37 | 0° Z | |
| desc. node | -12681 Oct 01 j 06:55 | 24° G 35'06 | | | -12678 May 28 j 21:06 | 0° \approx | |
| | -12681 Oct 05 j 16:16 | 0° Ω | | | -12678 Jun 22 j 04:27 | 0° H | |
| | -12681 Oct 30 j 02:14 | 0° M | | asc. node | -12678 Jul 07 j 07:46 | 18° H 56'38 | |
| | -12681 Nov 23 j 16:05 | 0° H | | | -12678 Jul 16 j 02:53 | 0° Y | |
| | -12681 Dec 18 j 11:39 | 0° M | | | -12678 Aug 08 j 22:42 | 0° B | |
| | -12680 Jan 12 j 17:51 | 0° X | | | -12678 Sep 01 j 20:26 | 0° II | |
| asc. node | -12680 Jan 20 j 08:48 | 8° X 53'42 | | morning set | -12678 Sep 17 j 19:17 | 19° II 53'33 | |
| | -12680 Feb 07 j 19:23 | 0° Z | | | -12678 Sep 25 j 22:37 | 0° G | |
| | -12680 Mar 06 j 09:32 | 0° \approx | | | -12678 Oct 20 j 05:35 | 0° Ω | |
| evening max el | -12680 Mar 21 j 06:49 | 14° \approx 55'38 | 46°10'01 | desc. node | -12678 Oct 28 j 19:45 | 10° Ω 33'59 | |
| | -12680 Apr 07 j 05:38 | 0° H | | | | | |
| greatest brilliancy | -12680 Apr 30 j 05:21 | 13° H 54'21 | -4.8m | superior conj | -12678 Oct 29 j 14:22 | 11° Ω 31'10 | -0°01'46 |
| retrograde | -12680 May 09 j 22:33 | 15° H 36'48 | | minimum elong | -12678 Oct 29 j 14:04 | 11° Ω 30'15 | 0°01'08 |
| desc. node | -12680 May 13 j 07:29 | 15° H 23'33 | | behind sun begin | -12678 Oct 28 j 12:35 | 10° Ω 11'56 | |
| evening set | -12680 May 24 j 13:52 | 11° H 34'10 | | behind sun end | -12678 Oct 30 j 15:33 | 12° Ω 48'33 | |
| inferior conj | -12680 May 30 j 17:05 | 8° H 05'32 | -4°08'34 | max. Earth dist. | -12678 Nov 01 j 06:24 | 14° Ω 47'51 | 1.73247 AU |
| minimum elong | -12680 May 30 j 08:37 | 8° H 18'05 | 4°06'34 | | -12678 Nov 13 j 15:43 | 0° M | |
| min. Earth dist. | -12680 May 30 j 10:11 | 8° H 15'45 | 0.26337 AU | evening rise | -12678 Dec 07 j 13:35 | 29° M 19'00 | |
| morning rise | -12680 Jun 05 j 03:07 | 4° H 59'24 | | | -12678 Dec 08 j 02:58 | 0° H | |
| direct | -12680 Jun 20 j 02:51 | 0° H 39'44 | | | -12677 Jan 01 j 14:28 | 0° M | |
| greatest brilliancy | -12680 Jun 30 j 21:43 | 2° H 49'49 | -4.9m | | -12677 Jan 26 j 03:25 | 0° X | |
| | -12680 Aug 05 j 19:30 | 0° Y | | asc. node | -12677 Feb 16 j 19:17 | 26° X 18'44 | |
| morning max el | -12680 Aug 09 j 15:13 | 3° Y 50'57 | 46°35'05 | | -12677 Feb 19 j 20:29 | 0° Z | |
| asc. node | -12680 Sep 01 j 08:51 | 28° Y 25'43 | | | -12677 Mar 16 j 20:34 | 0° \approx | |
| | -12680 Sep 02 j 18:14 | 0° B | | | -12677 Apr 11 j 07:05 | 0° H | |
| | -12680 Sep 28 j 15:42 | 0° II | | | -12677 May 07 j 11:43 | 0° Y | |
| | -12680 Oct 23 j 22:48 | 0° G | | evening max el | -12677 Jun 03 j 17:31 | 29° Y 12'51 | 47°49'08 |
| | -12680 Nov 18 j 02:21 | 0° Ω | | | -12677 Jun 04 j 12:16 | 0° B | |
| | -12680 Dec 13 j 04:18 | 0° M | | desc. node | -12677 Jun 10 j 17:12 | 6° B 05'29 | |
| desc. node | -12680 Dec 23 j 21:35 | 12° M 52'01 | | | -12677 Jul 12 j 10:38 | 0° II | |
| | -12679 Jan 07 j 02:44 | 0° H | | greatest brilliancy | -12677 Jul 15 j 12:21 | 1° II 13'03 | -4.9m |
| | -12679 Jan 31 j 19:11 | 0° M | | retrograde | -12677 Jul 24 j 21:10 | 2° II 55'23 | |
| morning set | -12679 Feb 09 j 21:51 | 11° M 09'53 | | | -12677 Aug 05 j 17:38 | 30° R 8 | |
| | -12679 Feb 25 j 04:47 | 0° X | | evening set | -12677 Aug 11 j 12:03 | 26° B 48'57 | |
| max. Earth dist. | -12679 Mar 12 j 02:43 | 18° X 29'29 | 1.72632 AU | min. Earth dist. | -12677 Aug 13 j 23:25 | 25° B 16'50 | 0.27049 AU |
| | | | | inferior conj | -12677 Aug 14 j 16:39 | 24° B 49'46 | -8°23'24 |
| superior conj | -12679 Mar 16 j 19:49 | 24° X 21'11 | -0°57'42 | minimum elong | -12677 Aug 14 j 22:03 | 24° B 41'16 | 8°22'17 |
| minimum elong | -12679 Mar 17 j 03:28 | 24° X 45'00 | 0°58'15 | morning rise | -12677 Aug 18 j 08:17 | 22° B 34'38 | |
| | -12679 Mar 21 j 08:38 | 0° Z | | direct | -12677 Sep 03 j 21:32 | 17° B 05'11 | |
| asc. node | -12679 Apr 13 j 16:30 | 29° Z 08'35 | | greatest brilliancy | -12677 Sep 13 j 08:55 | 18° B 49'22 | -4.9m |
| | -12679 Apr 14 j 08:56 | 0° \approx | | asc. node | -12677 Sep 29 j 20:39 | 28° B 09'46 | |
| evening rise | -12679 Apr 21 j 11:14 | 8° \approx 52'58 | | | -12677 Oct 02 j 06:40 | 0° II | |
| | -12679 May 08 j 07:49 | 0° H | | morning max el | -12677 Oct 23 j 15:59 | 19° II 14'39 | 46°13'11 |
| | -12679 Jun 01 j 07:05 | 0° Y | | | -12677 Nov 03 j 05:17 | 0° G | |
| | -12679 Jun 25 j 08:38 | 0° B | | | -12677 Nov 30 j 20:00 | 0° Ω | |
| | -12679 Jul 19 j 14:52 | 0° II | | | -12677 Dec 27 j 05:57 | 0° M | |
| desc. node | -12679 Aug 05 j 10:35 | 20° II 34'32 | | desc. node | -12676 Jan 21 j 11:50 | 29° M 23'13 | |
| | -12679 Aug 13 j 05:04 | 0° G | | | -12676 Jan 22 j 00:20 | 0° H | |
| | -12679 Sep 07 j 08:34 | 0° Ω | | | -12676 Feb 16 j 05:28 | 0° M | |
| | -12679 Oct 03 j 13:55 | 0° M | | | -12676 Mar 11 j 22:19 | 0° X | |
| evening max el | -12679 Oct 25 j 15:56 | 23° M 16'25 | 45°26'41 | | -12676 Apr 05 j 04:53 | 0° Z | |
| | -12679 Nov 01 j 16:03 | 0° H | | morning set | -12676 Apr 17 j 08:55 | 15° Z 11'32 | |
| asc. node | -12679 Nov 24 j 15:37 | 17° H 58'26 | | | -12676 Apr 29 j 04:11 | 0° \approx | |
| greatest brilliancy | -12679 Dec 02 j 04:33 | 21° H 42'15 | -4.7m | asc. node | -12676 May 11 j 05:41 | 15° \approx 11'27 | |
| retrograde | -12679 Dec 13 j 11:30 | 24° H 02'45 | | | -12676 May 22 j 23:20 | 0° H | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|---------------------------|------------|---------------------|-----------------------|---------------------------|------------|
| max. Earth dist. | -12676 May 23 j 02:53 | 0° H 11'10 | 1.70972 AU | asc. node | -12674 Oct 27 j 07:41 | 5° Ω 24'22 | |
| | | | | morning rise | -12674 Oct 31 j 03:24 | 3° Ω 05'44 | |
| superior conj | -12676 May 24 j 08:06 | 1° H 43'27 | 0°29'49 | | -12674 Nov 06 j 22:23 | 30° R S | |
| minimum elong | -12676 May 24 j 01:57 | 1° H 24'02 | 0°29'10 | direct | -12674 Nov 15 j 01:04 | 28° S 39'09 | |
| | -12676 Jun 15 j 17:13 | 0° Y | | | -12674 Nov 23 j 12:22 | 0° Ω | |
| evening rise | -12676 Jul 02 j 21:46 | 21° Y 40'57 | | greatest brilliancy | -12674 Nov 24 j 01:07 | 0° Ω 10'02 | -4.7m |
| | -12676 Jul 09 j 12:22 | 0° S | | morning max el | -12673 Jan 02 j 20:04 | 28° Ω 35'27 | 46°01'06 |
| | -12676 Aug 02 j 10:58 | 0° II | | | -12673 Jan 04 j 07:33 | 0° M | |
| | -12676 Aug 26 j 14:37 | 0° S | | | -12673 Feb 02 j 11:24 | 0° S | |
| desc. node | -12676 Sep 01 j 21:16 | 7° S 44'55 | | desc. node | -12673 Feb 18 j 01:21 | 17° S 13'26 | |
| | -12676 Sep 20 j 00:26 | 0° Ω | | | -12673 Mar 01 j 06:47 | 0° M | |
| | -12676 Oct 14 j 18:02 | 0° M | | | -12673 Mar 26 j 20:17 | 0° S | |
| | -12676 Nov 09 j 00:03 | 0° S | | | -12673 Apr 20 j 13:55 | 0° S | |
| | -12676 Dec 05 j 06:44 | 0° M | | | -12673 May 14 j 18:14 | 0° \approx | |
| asc. node | -12676 Dec 22 j 01:21 | 18° M 00'16 | | greatest brilliancy | -12673 Jun 05 j 13:53 | 27° \approx 26'12 | -3.9m |
| | -12675 Jan 03 j 00:59 | 0° S | | | -12673 Jun 07 j 14:36 | 0° H | |
| evening max el | -12675 Jan 04 j 18:14 | 1° S 38'27 | 44°49'56 | asc. node | -12673 Jun 08 j 19:43 | 1° H 31'57 | |
| greatest brilliancy | -12675 Feb 11 j 13:54 | 28° S 30'29 | -4.7m | morning set | -12673 Jun 29 j 01:03 | 27° H 07'34 | |
| | -12675 Feb 17 j 15:33 | 0° S | | | -12673 Jul 01 j 07:30 | 0° Y | |
| retrograde | -12675 Feb 21 j 17:02 | 0° S 18'05 | | | -12673 Jul 25 j 00:37 | 0° S | |
| | -12675 Feb 25 j 16:37 | 30° R S | | | | | |
| evening set | -12675 Mar 10 j 04:47 | 25° S 18'35 | | superior conj | -12673 Aug 09 j 16:11 | 19° S 43'05 | 1°21'58 |
| inferior conj | -12675 Mar 14 j 21:47 | 22° S 32'49 | 6°21'06 | minimum elong | -12673 Aug 09 j 19:48 | 19° S 54'29 | 1°22'33 |
| minimum elong | -12675 Mar 15 j 07:03 | 22° S 18'50 | 6°18'37 | max. Earth dist. | -12673 Aug 17 j 03:36 | 29° S 06'09 | 1.71245 AU |
| min. Earth dist. | -12675 Mar 16 j 06:06 | 21° S 44'07 | 0.28200 AU | | -12673 Aug 17 j 20:47 | 0° II | |
| morning rise | -12675 Mar 20 j 08:39 | 19° S 20'45 | | | -12673 Sep 10 j 21:39 | 0° S | |
| direct | -12675 Apr 05 j 14:47 | 14° S 26'23 | | evening rise | -12673 Sep 22 j 05:56 | 14° S 04'04 | |
| desc. node | -12675 Apr 14 j 23:07 | 16° S 02'17 | | desc. node | -12673 Sep 30 j 09:03 | 24° S 07'08 | |
| greatest brilliancy | -12675 Apr 17 j 07:20 | 16° S 53'40 | -4.8m | | -12673 Oct 05 j 03:28 | 0° Ω | |
| | -12675 May 07 j 22:34 | 0° S | | | -12673 Oct 29 j 13:31 | 0° M | |
| morning max el | -12675 May 25 j 21:38 | 16° S 32'02 | 46°35'59 | | -12673 Nov 23 j 03:35 | 0° S | |
| | -12675 Jun 07 j 18:54 | 0° \approx | | | -12673 Dec 17 j 23:37 | 0° M | |
| | -12675 Jul 04 j 04:44 | 0° H | | | -12672 Jan 12 j 06:47 | 0° S | |
| | -12675 Jul 29 j 04:03 | 0° Y | | asc. node | -12672 Jan 19 j 11:13 | 8° S 21'57 | |
| asc. node | -12675 Aug 03 j 21:56 | 7° Y 01'20 | | | -12672 Feb 07 j 10:16 | 0° S | |
| | -12675 Aug 22 j 13:51 | 0° S | | | -12672 Mar 06 j 05:00 | 0° \approx | |
| | -12675 Sep 15 j 20:24 | 0° II | | evening max el | -12672 Mar 18 j 18:40 | 12° \approx 30'54 | 46°06'03 |
| | -12675 Oct 10 j 05:04 | 0° S | | | -12672 Apr 07 j 20:14 | 0° H | |
| | -12675 Nov 03 j 17:23 | 0° Ω | | greatest brilliancy | -12672 Apr 27 j 16:55 | 11° H 26'01 | -4.8m |
| desc. node | -12675 Nov 25 j 09:32 | 26° Ω 25'28 | | retrograde | -12672 May 07 j 09:30 | 13° H 08'19 | |
| | -12675 Nov 28 j 07:57 | 0° M | | desc. node | -12672 May 12 j 09:43 | 12° H 38'59 | |
| morning set | -12675 Dec 01 j 08:15 | 3° M 40'14 | | evening set | -12672 May 21 j 23:35 | 9° H 07'56 | |
| | -12675 Dec 22 j 22:00 | 0° S | | inferior conj | -12672 May 28 j 04:44 | 5° H 37'31 | -3°47'00 |
| max. Earth dist. | -12674 Jan 04 j 17:57 | 15° S 42'28 | 1.73808 AU | minimum elong | -12672 May 27 j 20:48 | 5° H 49'13 | 3°45'07 |
| | | | | min. Earth dist. | -12672 May 27 j 23:45 | 5° H 44'52 | 0.26359 AU |
| superior conj | -12674 Jan 07 j 21:17 | 19° S 33'28 | -1°15'17 | morning rise | -12672 Jun 02 j 17:40 | 2° H 27'42 | |
| minimum elong | -12674 Jan 07 j 15:58 | 19° S 17'09 | 1°15'28 | | -12672 Jun 08 j 02:08 | 30° R \approx | |
| | -12674 Jan 16 j 09:19 | 0° M | | direct | -12672 Jun 17 j 14:46 | 28° \approx 10'50 | |
| | -12674 Feb 09 j 17:39 | 0° S | | | -12672 Jun 27 j 11:17 | 0° H | |
| evening rise | -12674 Feb 12 j 00:15 | 2° S 48'35 | | greatest brilliancy | -12672 Jun 28 j 12:41 | 0° H 23'36 | -4.9m |
| | -12674 Mar 06 j 00:21 | 0° S | | | -12672 Aug 05 j 19:45 | 0° Y | |
| asc. node | -12674 Mar 16 j 06:28 | 12° S 40'23 | | morning max el | -12672 Aug 07 j 03:29 | 1° Y 20'39 | 46°35'40 |
| | -12674 Mar 30 j 07:21 | 0° \approx | | asc. node | -12672 Aug 31 j 10:59 | 27° Y 43'03 | |
| | -12674 Apr 23 j 16:12 | 0° H | | | -12672 Sep 02 j 11:13 | 0° S | |
| | -12674 May 18 j 04:32 | 0° Y | | | -12672 Sep 28 j 06:02 | 0° II | |
| | -12674 Jun 11 j 23:26 | 0° S | | | -12672 Oct 23 j 11:47 | 0° S | |
| | -12674 Jul 07 j 07:48 | 0° II | | | -12672 Nov 17 j 14:30 | 0° Ω | |
| desc. node | -12674 Jul 08 j 02:50 | 0° II 55'19 | | | -12672 Dec 12 j 15:54 | 0° M | |
| | -12674 Aug 02 j 22:44 | 0° S | | desc. node | -12672 Dec 22 j 23:50 | 12° M 24'32 | |
| evening max el | -12674 Aug 13 j 22:35 | 11° S 34'04 | 47°17'35 | | -12671 Jan 06 j 13:57 | 0° S | |
| | -12674 Sep 02 j 15:05 | 0° Ω | | | -12671 Jan 31 j 06:09 | 0° M | |
| greatest brilliancy | -12674 Sep 23 j 06:35 | 13° Ω 12'14 | -4.9m | morning set | -12671 Feb 07 j 17:10 | 9° M 08'18 | |
| retrograde | -12674 Oct 03 j 21:22 | 15° Ω 21'49 | | | -12671 Feb 24 j 15:38 | 0° S | |
| evening set | -12674 Oct 18 j 20:41 | 10° Ω 45'10 | | max. Earth dist. | -12671 Mar 09 j 23:58 | 16° S 32'35 | 1.72688 AU |
| inferior conj | -12674 Oct 24 j 22:30 | 6° Ω 56'42 | -0°33'28 | | | | |
| minimum elong | -12674 Oct 24 j 23:37 | 6° Ω 54'52 | 0°32'30 | superior conj | -12671 Mar 14 j 15:38 | 22° S 19'43 | -0°59'41 |
| min. Earth dist. | -12674 Oct 24 j 11:28 | 7° Ω 14'38 | 0.28464 AU | minimum elong | -12671 Mar 14 j 23:15 | 22° S 43'23 | 1°00'15 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------------------|------------|---------------------|-----------------------|-----------------------|------------|
| | -12671 Mar 20 j 19:30 | 0° Z | | direct | -12669 Sep 01 j 11:27 | 14° B 40'09 | |
| asc. node | -12671 Apr 12 j 18:45 | 28° Z 41'14 | | greatest brilliancy | -12669 Sep 10 j 22:00 | 16° B 24'01 | -4.9m |
| | -12671 Apr 13 j 19:56 | 0° \approx | | asc. node | -12669 Sep 28 j 22:58 | 26° B 54'50 | |
| evening rise | -12671 Apr 19 j 05:20 | 6° \approx 44'53 | | | -12669 Oct 02 j 20:11 | 0° II | |
| | -12671 May 07 j 19:01 | 0° H | | morning max el | -12669 Oct 21 j 07:12 | 16° II 56'19 | 46°13'43 |
| | -12671 May 31 j 18:34 | 0° Y | | | -12669 Nov 03 j 00:47 | 0° G | |
| | -12671 Jun 24 j 20:26 | 0° B | | | -12669 Nov 30 j 11:16 | 0° O | |
| | -12671 Jul 19 j 03:07 | 0° II | | | -12669 Dec 26 j 19:20 | 0° M | |
| desc. node | -12671 Aug 04 j 12:45 | 20° II 02'40 | | desc. node | -12668 Jan 20 j 13:54 | 28° M 53'00 | |
| | -12671 Aug 12 j 17:57 | 0° G | | | -12668 Jan 21 j 12:39 | 0° L | |
| | -12671 Sep 06 j 22:35 | 0° O | | | -12668 Feb 15 j 17:10 | 0° M | |
| | -12671 Oct 03 j 06:28 | 0° M | | | -12668 Mar 11 j 09:40 | 0° X | |
| evening max el | -12671 Oct 23 j 07:54 | 21° M 04'08 | 45°29'56 | | -12668 Apr 04 j 16:06 | 0° Z | |
| | -12671 Nov 01 j 17:21 | 0° L | | morning set | -12668 Apr 15 j 02:58 | 13° Z 02'51 | |
| asc. node | -12671 Nov 23 j 18:01 | 16° L 39'02 | | | -12668 Apr 28 j 15:23 | 0° \approx | |
| greatest brilliancy | -12671 Nov 29 j 20:58 | 19° L 34'58 | -4.7m | asc. node | -12668 May 10 j 07:58 | 14° \approx 43'18 | |
| retrograde | -12671 Dec 11 j 05:37 | 21° L 57'11 | | max. Earth dist. | -12668 May 20 j 09:18 | 27° \approx 24'24 | 1.71010 AU |
| evening set | -12671 Dec 27 j 18:39 | 16° L 38'38 | | | | | |
| inferior conj | -12670 Jan 01 j 15:16 | 13° L 38'20 | 7°08'31 | superior conj | -12668 May 21 j 22:54 | 29° \approx 23'07 | 0°26'36 |
| minimum elong | -12670 Jan 01 j 07:45 | 13° L 50'16 | 7°07'20 | minimum elong | -12668 May 21 j 17:25 | 29° \approx 05'46 | 0°25'55 |
| min. Earth dist. | -12670 Jan 01 j 20:15 | 13° L 30'24 | 0.29556 AU | | -12668 May 22 j 10:35 | 0° H | |
| morning rise | -12670 Jan 05 j 20:47 | 10° L 59'40 | | | -12668 Jun 15 j 04:34 | 0° Y | |
| direct | -12670 Jan 23 j 14:01 | 5° L 04'25 | | evening rise | -12668 Jun 30 j 08:12 | 19° Y 06'36 | |
| greatest brilliancy | -12670 Feb 02 j 10:44 | 6° L 48'43 | -4.7m | | -12668 Jul 08 j 23:50 | 0° B | |
| | -12670 Mar 08 j 09:45 | 0° M | | | -12668 Aug 01 j 22:33 | 0° II | |
| morning max el | -12670 Mar 13 j 18:46 | 5° M 01'47 | 46°13'42 | | -12668 Aug 26 j 02:22 | 0° G | |
| desc. node | -12670 Mar 17 j 13:51 | 8° M 42'52 | | desc. node | -12668 Aug 31 j 23:29 | 7° G 15'23 | |
| | -12670 Apr 06 j 23:52 | 0° X | | | -12668 Sep 19 j 12:26 | 0° O | |
| | -12670 May 03 j 09:31 | 0° Z | | | -12668 Oct 14 j 06:32 | 0° M | |
| | -12670 May 28 j 09:48 | 0° \approx | | | -12668 Nov 08 j 13:36 | 0° L | |
| | -12670 Jun 21 j 16:33 | 0° H | | | -12668 Dec 04 j 22:38 | 0° M | |
| asc. node | -12670 Jul 06 j 10:05 | 18° H 26'46 | | asc. node | -12668 Dec 21 j 03:45 | 17° M 17'43 | |
| | -12670 Jul 15 j 14:38 | 0° Y | | evening max el | -12667 Jan 02 j 08:56 | 29° M 24'20 | 44°49'10 |
| | -12670 Aug 08 j 10:16 | 0° B | | | -12667 Jan 02 j 24:00 | 0° X | |
| | -12670 Sep 01 j 07:52 | 0° II | | greatest brilliancy | -12667 Feb 09 j 04:04 | 26° X 17'03 | -4.7m |
| morning set | -12670 Sep 15 j 05:07 | 17° II 19'24 | | retrograde | -12667 Feb 19 j 06:43 | 28° X 04'29 | |
| | -12670 Sep 25 j 09:58 | 0° G | | evening set | -12667 Mar 07 j 21:51 | 23° X 01'04 | |
| | -12670 Oct 19 j 16:50 | 0° O | | inferior conj | -12667 Mar 12 j 12:27 | 20° X 18'16 | 6°33'18 |
| | | | | minimum elong | -12667 Mar 12 j 21:31 | 20° X 04'32 | 6°30'57 |
| superior conj | -12670 Oct 27 j 02:32 | 9° O 06'38 | 0°01'51 | min. Earth dist. | -12667 Mar 13 j 20:56 | 19° X 29'08 | 0.28279 AU |
| minimum elong | -12670 Oct 27 j 03:07 | 9° O 08'27 | 0°02'27 | morning rise | -12667 Mar 17 j 20:30 | 17° X 09'22 | |
| behind sun begin | -12670 Oct 26 j 01:37 | 7° O 50'03 | | direct | -12667 Apr 03 j 06:03 | 12° X 10'17 | |
| behind sun end | -12670 Oct 28 j 04:37 | 10° O 26'49 | | desc. node | -12667 Apr 14 j 01:25 | 14° X 16'24 | |
| desc. node | -12670 Oct 27 j 21:58 | 10° O 06'23 | | greatest brilliancy | -12667 Apr 14 j 21:54 | 14° X 36'08 | -4.8m |
| max. Earth dist. | -12670 Oct 29 j 23:52 | 12° O 39'42 | 1.73197 AU | | -12667 May 08 j 07:48 | 0° Z | |
| | -12670 Nov 13 j 02:52 | 0° M | | morning max el | -12667 May 23 j 11:15 | 14° Z 08'36 | 46°35'25 |
| evening rise | -12670 Dec 05 j 06:36 | 27° M 10'02 | | | -12667 Jun 07 j 13:42 | 0° \approx | |
| | -12670 Dec 07 j 14:05 | 0° L | | | -12667 Jul 03 j 19:54 | 0° H | |
| | -12669 Jan 01 j 01:41 | 0° M | | | -12667 Jul 28 j 17:37 | 0° Y | |
| | -12669 Jan 25 j 14:58 | 0° X | | asc. node | -12667 Aug 02 j 23:57 | 6° Y 26'40 | |
| asc. node | -12669 Feb 15 j 21:31 | 25° X 49'09 | | | -12667 Aug 22 j 02:34 | 0° B | |
| | -12669 Feb 19 j 08:36 | 0° Z | | | -12667 Sep 15 j 08:35 | 0° II | |
| | -12669 Mar 16 j 09:36 | 0° \approx | | | -12667 Oct 09 j 16:51 | 0° G | |
| | -12669 Apr 10 j 21:35 | 0° H | | | -12667 Nov 03 j 04:52 | 0° O | |
| | -12669 May 07 j 04:53 | 0° Y | | desc. node | -12667 Nov 24 j 11:46 | 25° O 57'50 | |
| evening max el | -12669 Jun 01 j 09:00 | 26° Y 52'07 | 47°47'33 | | -12667 Nov 27 j 19:14 | 0° M | |
| | -12669 Jun 04 j 12:26 | 0° B | | morning set | -12667 Nov 28 j 23:39 | 1° M 26'36 | |
| desc. node | -12669 Jun 09 j 19:37 | 5° B 07'04 | | | -12667 Dec 22 j 09:09 | 0° L | |
| greatest brilliancy | -12669 Jul 13 j 01:25 | 28° B 45'06 | -4.9m | max. Earth dist. | -12666 Jan 02 j 14:04 | 13° L 42'56 | 1.73821 AU |
| | -12669 Jul 17 j 15:40 | 0° II | | | | | |
| retrograde | -12669 Jul 22 j 11:34 | 0° II 28'08 | | superior conj | -12666 Jan 05 j 16:03 | 17° L 29'41 | -1°14'13 |
| | -12669 Jul 27 j 04:41 | 30° R 8 | | minimum elong | -12666 Jan 05 j 10:15 | 17° L 11'57 | 1°14'20 |
| evening set | -12669 Aug 09 j 03:19 | 24° R 19'53 | | | -12666 Jan 15 j 20:26 | 0° M | |
| min. Earth dist. | -12669 Aug 11 j 12:04 | 22° R 51'55 | 0.27008 AU | | -12666 Feb 09 j 04:49 | 0° X | |
| inferior conj | -12669 Aug 12 j 06:17 | 22° R 23'22 | -8°29'28 | evening rise | -12666 Feb 09 j 20:12 | 0° X 47'29 | |
| minimum elong | -12669 Aug 12 j 11:00 | 22° R 15'59 | 8°28'29 | | -12666 Mar 05 j 11:43 | 0° Z | |
| morning rise | -12669 Aug 15 j 18:55 | 20° R 13'09 | | asc. node | -12666 Mar 15 j 08:44 | 12° Z 11'50 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12666 Mar 29 j 19:03 | 0°≈ | | asc. node | -12664 Aug 30 j 13:16 | 27°Υ00'44 | |
| | -12666 Apr 23 j 04:25 | 0°✠ | | | -12664 Sep 02 j 04:06 | 0°♄ | |
| | -12666 May 17 j 17:26 | 0°Υ | | | -12664 Sep 27 j 20:27 | 0°♂ | |
| | -12666 Jun 11 j 13:18 | 0°♄ | | | -12664 Oct 23 j 00:55 | 0°♁ | |
| | -12666 Jul 06 j 23:17 | 0°♂ | | | -12664 Nov 17 j 02:50 | 0°♂ | |
| desc. node | -12666 Jul 07 j 05:04 | 0°♂16'43 | | | -12664 Dec 12 j 03:41 | 0°♄ | |
| | -12666 Aug 02 j 17:55 | 0°♁ | | desc. node | -12664 Dec 22 j 01:54 | 11°♄55'53 | |
| evening max el | -12666 Aug 11 j 13:29 | 9°♁13'42 | 47°20'54 | | -12663 Jan 06 j 01:21 | 0°♂ | |
| | -12666 Sep 03 j 02:29 | 0°♂ | | | -12663 Jan 30 j 17:18 | 0°♄ | |
| greatest brilliancy | -12666 Sep 21 j 01:35 | 11°♂00'17 | -4.9m | morning set | -12663 Feb 05 j 12:28 | 7°♄06'09 | |
| retrograde | -12666 Oct 01 j 13:51 | 13°♂07'59 | | | -12663 Feb 24 j 02:42 | 0°♄ | |
| evening set | -12666 Oct 16 j 14:37 | 8°♂30'04 | | max. Earth dist. | -12663 Mar 07 j 21:18 | 14°♄35'19 | 1.72747 AU |
| min. Earth dist. | -12666 Oct 22 j 04:34 | 5°♂00'49 | 0.28410 AU | | | | |
| inferior conj | -12666 Oct 22 j 15:19 | 4°♂43'19 | -0°53'05 | superior conj | -12663 Mar 12 j 11:20 | 20°♄17'11 | -1°01'36 |
| minimum elong | -12666 Oct 22 j 17:07 | 4°♂40'24 | 0°51'54 | minimum elong | -12663 Mar 12 j 18:52 | 20°♄40'34 | 1°02'10 |
| asc. node | -12666 Oct 26 j 10:00 | 2°♂18'22 | | | -12663 Mar 20 j 06:38 | 0°♄ | |
| morning rise | -12666 Oct 28 j 20:23 | 0°♂51'53 | | asc. node | -12663 Apr 11 j 21:04 | 28°♄13'13 | |
| | -12666 Oct 30 j 10:39 | 30°♄ | | | -12663 Apr 13 j 07:13 | 0°≈ | |
| direct | -12666 Nov 12 j 16:35 | 26°♁26'42 | | evening rise | -12663 Apr 16 j 23:15 | 4°≈35'23 | |
| greatest brilliancy | -12666 Nov 21 j 17:42 | 27°♁58'17 | -4.8m | | -12663 May 07 j 06:31 | 0°✠ | |
| | -12666 Nov 26 j 19:48 | 0°♂ | | | -12663 May 31 j 06:19 | 0°Υ | |
| morning max el | -12666 Dec 31 j 11:11 | 26°♂23'05 | 46°01'03 | | -12663 Jun 24 j 08:30 | 0°♄ | |
| | -12665 Jan 04 j 05:30 | 0°♄ | | | -12663 Jul 18 j 15:35 | 0°♂ | |
| | -12665 Feb 02 j 03:14 | 0°♂ | | desc. node | -12663 Aug 03 j 14:58 | 19°♂30'18 | |
| desc. node | -12665 Feb 17 j 03:28 | 16°♂39'01 | | | -12663 Aug 12 j 07:05 | 0°♁ | |
| | -12665 Feb 28 j 20:23 | 0°♄ | | | -12663 Sep 06 j 12:54 | 0°♂ | |
| | -12665 Mar 26 j 08:49 | 0°♄ | | | -12663 Oct 02 j 23:30 | 0°♄ | |
| | -12665 Apr 20 j 01:51 | 0°♄ | | evening max el | -12663 Oct 21 j 00:44 | 18°♄53'29 | 45°33'13 |
| | -12665 May 14 j 05:53 | 0°≈ | | | -12663 Nov 01 j 20:13 | 0°♂ | |
| greatest brilliancy | -12665 Jun 05 j 05:42 | 27°≈39'43 | -3.9m | asc. node | -12663 Nov 22 j 20:24 | 15°♂16'49 | |
| | -12665 Jun 07 j 02:07 | 0°✠ | | greatest brilliancy | -12663 Nov 27 j 13:52 | 17°♂27'56 | -4.7m |
| asc. node | -12665 Jun 07 j 21:57 | 1°✠02'39 | | retrograde | -12663 Dec 08 j 23:52 | 19°♂51'14 | |
| morning set | -12665 Jun 26 j 12:18 | 24°✠34'46 | | evening set | -12663 Dec 25 j 09:48 | 14°♂35'44 | |
| | -12665 Jun 30 j 18:59 | 0°Υ | | inferior conj | -12663 Dec 30 j 08:45 | 11°♂31'33 | 6°59'41 |
| | -12665 Jul 24 j 12:06 | 0°♄ | | minimum elong | -12663 Dec 30 j 00:57 | 11°♂43'58 | 6°58'25 |
| | | | | min. Earth dist. | -12663 Dec 30 j 12:09 | 11°♂26'08 | 0.29549 AU |
| superior conj | -12665 Aug 07 j 00:31 | 17°♄02'19 | 1°22'30 | morning rise | -12662 Jan 03 j 16:07 | 8°♂50'04 | |
| minimum elong | -12665 Aug 07 j 03:01 | 17°♄10'09 | 1°23'05 | direct | -12662 Jan 21 j 07:36 | 2°♂57'45 | |
| max. Earth dist. | -12665 Aug 14 j 04:55 | 26°♄03'44 | 1.71185 AU | greatest brilliancy | -12662 Jan 31 j 01:34 | 4°♂40'12 | -4.7m |
| | -12665 Aug 17 j 08:16 | 0°♂ | | | -12662 Mar 08 j 10:00 | 0°♄ | |
| | -12665 Sep 10 j 09:08 | 0°♁ | | morning max el | -12662 Mar 11 j 11:58 | 2°♄54'33 | 46°12'51 |
| evening rise | -12665 Sep 19 j 14:18 | 11°♁25'49 | | desc. node | -12662 Mar 16 j 16:10 | 7°♄57'08 | |
| desc. node | -12665 Sep 29 j 11:21 | 23°♁38'45 | | | -12662 Apr 06 j 16:16 | 0°♄ | |
| | -12665 Oct 04 j 14:57 | 0°♂ | | | -12662 May 02 j 23:27 | 0°♄ | |
| | -12665 Oct 29 j 01:04 | 0°♄ | | | -12662 May 27 j 22:39 | 0°≈ | |
| | -12665 Nov 22 j 15:21 | 0°♂ | | | -12662 Jun 21 j 04:48 | 0°✠ | |
| | -12665 Dec 17 j 11:54 | 0°♄ | | asc. node | -12662 Jul 05 j 12:09 | 17°♄55'28 | |
| | -12664 Jan 11 j 20:07 | 0°♄ | | | -12662 Jul 15 j 02:33 | 0°Υ | |
| asc. node | -12664 Jan 18 j 13:24 | 7°♄48'23 | | | -12662 Aug 07 j 21:57 | 0°♄ | |
| | -12664 Feb 07 j 01:45 | 0°♄ | | | -12662 Aug 31 j 19:23 | 0°♂ | |
| | -12664 Mar 06 j 01:34 | 0°≈ | | morning set | -12662 Sep 12 j 14:49 | 14°♂44'35 | |
| evening max el | -12664 Mar 16 j 06:57 | 10°≈06'09 | 46°02'07 | | -12662 Sep 24 j 21:22 | 0°♁ | |
| | -12664 Apr 08 j 16:25 | 0°✠ | | | -12662 Oct 19 j 04:06 | 0°♂ | |
| greatest brilliancy | -12664 Apr 25 j 03:51 | 8°✠55'49 | -4.8m | | | | |
| retrograde | -12664 May 04 j 21:03 | 10°✠38'41 | | superior conj | -12662 Oct 24 j 14:29 | 6°♂41'14 | 0°05'26 |
| desc. node | -12664 May 11 j 12:03 | 9°✠47'05 | | minimum elong | -12662 Oct 24 j 16:00 | 6°♂45'52 | 0°06'00 |
| evening set | -12664 May 19 j 09:25 | 6°✠40'05 | | behind sun begin | -12662 Oct 23 j 15:45 | 5°♂31'17 | |
| inferior conj | -12664 May 25 j 16:12 | 3°✠08'08 | -3°24'52 | behind sun end | -12662 Oct 25 j 16:14 | 8°♂00'26 | |
| minimum elong | -12664 May 25 j 08:54 | 3°✠18'53 | 3°23'08 | desc. node | -12662 Oct 27 j 00:10 | 9°♂38'35 | |
| min. Earth dist. | -12664 May 25 j 12:52 | 3°✠13'03 | 0.26381 AU | max. Earth dist. | -12662 Oct 27 j 19:17 | 10°♂37'21 | 1.73146 AU |
| morning rise | -12664 May 31 j 07:59 | 29°≈55'02 | | | -12662 Nov 12 j 14:03 | 0°♄ | |
| | -12664 May 31 j 04:14 | 30°♄ | | evening rise | -12662 Dec 02 j 23:36 | 25°♄00'51 | |
| direct | -12664 Jun 15 j 02:56 | 25°≈40'42 | | | -12662 Dec 07 j 01:14 | 0°♂ | |
| greatest brilliancy | -12664 Jun 26 j 02:57 | 27°≈55'42 | -4.9m | | -12662 Dec 31 j 12:57 | 0°♄ | |
| | -12664 Jun 30 j 15:59 | 0°✠ | | | -12661 Jan 25 j 02:32 | 0°♄ | |
| morning max el | -12664 Aug 04 j 16:37 | 28°✠51'51 | 46°36'14 | asc. node | -12661 Feb 14 j 23:52 | 25°♄19'55 | |
| | -12664 Aug 05 j 19:13 | 0°Υ | | | -12661 Feb 18 j 20:44 | 0°♄ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12661 Mar 15 j 22:41 | 0°≈ | | desc. node | -12659 Nov 23 j 13:50 | 25°Ω30'14 | |
| | -12661 Apr 10 j 12:14 | 0°✠ | | morning set | -12659 Nov 26 j 14:42 | 29°Ω12'21 | |
| | -12661 May 06 j 22:31 | 0°Υ | | | -12659 Nov 27 j 06:19 | 0°♐ | |
| evening max el | -12661 May 30 j 00:25 | 24°Υ30'36 | 47°45'30 | | -12659 Dec 21 j 20:04 | 0°♑ | |
| | -12661 Jun 04 j 14:00 | 0°♋ | | max. Earth dist. | -12659 Dec 31 j 09:46 | 11°♑42'59 | 1.73830 AU |
| desc. node | -12661 Jun 08 j 21:48 | 4°♋06'05 | | | | | |
| greatest brilliancy | -12661 Jul 10 j 14:30 | 26°♋15'59 | -4.9m | superior conj | -12658 Jan 03 j 10:41 | 15°♑26'24 | -1°13'02 |
| retrograde | -12661 Jul 20 j 01:25 | 27°♋59'03 | | minimum elong | -12658 Jan 03 j 04:28 | 15°♑07'20 | 1°13'08 |
| evening set | -12661 Aug 06 j 17:57 | 21°♋49'56 | | | -12658 Jan 15 j 07:18 | 0°♐ | |
| min. Earth dist. | -12661 Aug 09 j 00:35 | 20°♋25'16 | 0.26962 AU | evening rise | -12658 Feb 07 j 16:18 | 28°♐47'39 | |
| inferior conj | -12661 Aug 09 j 19:34 | 19°♋55'33 | -8°34'38 | | -12658 Feb 08 j 15:45 | 0°♑ | |
| minimum elong | -12661 Aug 09 j 23:32 | 19°♋49'21 | 8°33'47 | | -12658 Mar 04 j 22:51 | 0°♋ | |
| morning rise | -12661 Aug 13 j 05:23 | 17°♋49'47 | | asc. node | -12658 Mar 14 j 11:05 | 11°♋44'18 | |
| direct | -12661 Aug 30 j 00:58 | 12°♋13'55 | | | -12658 Mar 29 j 06:32 | 0°≈ | |
| greatest brilliancy | -12661 Sep 08 j 10:49 | 13°♋57'19 | -4.9m | | -12658 Apr 22 j 16:23 | 0°✠ | |
| asc. node | -12661 Sep 28 j 01:17 | 25°♋41'43 | | | -12658 May 17 j 06:04 | 0°Υ | |
| | -12661 Oct 03 j 06:27 | 0°♐ | | | -12658 Jun 11 j 02:55 | 0°♋ | |
| morning max el | -12661 Oct 18 j 21:10 | 14°♐34'36 | 46°14'25 | desc. node | -12658 Jul 06 j 07:17 | 29°♋38'49 | |
| | -12661 Nov 02 j 19:46 | 0°♑ | | | -12658 Jul 06 j 14:38 | 0°♐ | |
| | -12661 Nov 30 j 02:16 | 0°Ω | | | -12658 Aug 02 j 13:19 | 0°♑ | |
| | -12661 Dec 26 j 08:31 | 0°♐ | | evening max el | -12658 Aug 09 j 03:57 | 6°♑52'53 | 47°23'57 |
| desc. node | -12660 Jan 19 j 15:59 | 28°♐23'11 | | | -12658 Sep 03 j 17:29 | 0°Ω | |
| | -12660 Jan 21 j 00:50 | 0°♑ | | greatest brilliancy | -12658 Sep 18 j 20:10 | 8°Ω47'43 | -4.9m |
| | -12660 Feb 15 j 04:45 | 0°♐ | | retrograde | -12658 Sep 29 j 06:23 | 10°Ω54'01 | |
| | -12660 Mar 10 j 20:55 | 0°♑ | | evening set | -12658 Oct 14 j 08:26 | 6°Ω14'18 | |
| | -12660 Apr 04 j 03:12 | 0°♋ | | inferior conj | -12658 Oct 20 j 07:57 | 2°Ω29'39 | -1°12'53 |
| morning set | -12660 Apr 12 j 21:23 | 10°♋55'48 | | minimum elong | -12658 Oct 20 j 10:24 | 2°Ω25'40 | 1°11'28 |
| | -12660 Apr 28 j 02:26 | 0°≈ | | min. Earth dist. | -12658 Oct 19 j 21:29 | 2°Ω46'40 | 0.28359 AU |
| asc. node | -12660 May 09 j 10:12 | 14°≈15'22 | | | -12658 Oct 24 j 05:44 | 30°♐ | |
| max. Earth dist. | -12660 May 17 j 16:48 | 24°≈41'34 | 1.71057 AU | asc. node | -12658 Oct 25 j 12:19 | 29°♑13'54 | |
| | | | | morning rise | -12658 Oct 26 j 13:04 | 28°♑38'11 | |
| superior conj | -12660 May 19 j 14:04 | 27°≈04'22 | 0°23'21 | direct | -12658 Nov 10 j 07:45 | 24°♑13'50 | |
| minimum elong | -12660 May 19 j 09:14 | 26°≈49'09 | 0°22'40 | greatest brilliancy | -12658 Nov 19 j 10:17 | 25°♑46'32 | -4.8m |
| | -12660 May 21 j 21:43 | 0°✠ | | | -12658 Nov 28 j 17:10 | 0°Ω | |
| | -12660 Jun 14 j 15:50 | 0°Υ | | morning max el | -12658 Dec 29 j 02:50 | 24°Ω12'25 | 46°01'10 |
| evening rise | -12660 Jun 27 j 18:49 | 16°Υ33'03 | | | -12657 Jan 04 j 02:26 | 0°♐ | |
| | -12660 Jul 08 j 11:15 | 0°♋ | | | -12657 Feb 01 j 18:32 | 0°♑ | |
| | -12660 Aug 01 j 10:08 | 0°♐ | | desc. node | -12657 Feb 16 j 05:47 | 16°♑06'19 | |
| | -12660 Aug 25 j 14:05 | 0°♑ | | | -12657 Feb 28 j 09:33 | 0°♐ | |
| desc. node | -12660 Aug 31 j 01:49 | 6°♑46'15 | | | -12657 Mar 25 j 20:56 | 0°♑ | |
| | -12660 Sep 19 j 00:24 | 0°Ω | | | -12657 Apr 19 j 13:27 | 0°♋ | |
| | -12660 Oct 13 j 19:00 | 0°♐ | | | -12657 May 13 j 17:12 | 0°≈ | |
| | -12660 Nov 08 j 03:06 | 0°♑ | | greatest brilliancy | -12657 Jun 04 j 19:52 | 27°≈49'04 | -3.9m |
| | -12660 Dec 04 j 14:36 | 0°♐ | | | -12657 Jun 06 j 13:19 | 0°✠ | |
| asc. node | -12660 Dec 20 j 05:56 | 16°♐34'38 | | asc. node | -12657 Jun 07 j 00:02 | 0°✠33'50 | |
| evening max el | -12660 Dec 30 j 23:03 | 27°♐09'29 | 44°48'36 | morning set | -12657 Jun 24 j 00:13 | 22°✠05'10 | |
| | -12659 Jan 02 j 23:45 | 0°♑ | | | -12657 Jun 30 j 06:09 | 0°Υ | |
| greatest brilliancy | -12659 Feb 06 j 18:24 | 24°♑04'52 | -4.7m | | -12657 Jul 23 j 23:14 | 0°♋ | |
| retrograde | -12659 Feb 16 j 20:45 | 25°♑52'34 | | | | | |
| evening set | -12659 Mar 05 j 15:06 | 20°♑45'00 | | superior conj | -12657 Aug 04 j 09:19 | 14°♋23'55 | 1°22'51 |
| inferior conj | -12659 Mar 10 j 03:25 | 18°♑05'17 | 6°44'47 | minimum elong | -12657 Aug 04 j 10:39 | 14°♋28'07 | 1°23'24 |
| minimum elong | -12659 Mar 10 j 12:13 | 17°♑51'55 | 6°42'34 | max. Earth dist. | -12657 Aug 11 j 06:54 | 23°♋04'27 | 1.71131 AU |
| min. Earth dist. | -12659 Mar 11 j 12:14 | 17°♑15'32 | 0.28356 AU | | -12657 Aug 16 j 19:24 | 0°♐ | |
| morning rise | -12659 Mar 15 j 08:37 | 14°♑59'48 | | | -12657 Sep 09 j 20:17 | 0°♑ | |
| direct | -12659 Mar 31 j 21:08 | 9°♑55'39 | | evening rise | -12657 Sep 16 j 22:42 | 8°♑48'37 | |
| greatest brilliancy | -12659 Apr 12 j 13:12 | 12°♑20'55 | -4.8m | desc. node | -12657 Sep 28 j 13:32 | 23°♑10'57 | |
| desc. node | -12659 Apr 13 j 03:37 | 12°♑35'31 | | | -12657 Oct 04 j 02:09 | 0°Ω | |
| | -12659 May 08 j 14:07 | 0°♋ | | | -12657 Oct 28 j 12:22 | 0°♐ | |
| morning max el | -12659 May 21 j 01:06 | 11°♋46'47 | 46°34'57 | | -12657 Nov 22 j 02:53 | 0°♑ | |
| | -12659 Jun 07 j 07:43 | 0°≈ | | | -12657 Dec 16 j 23:56 | 0°♐ | |
| | -12659 Jul 03 j 10:36 | 0°✠ | | | -12656 Jan 11 j 09:13 | 0°♑ | |
| | -12659 Jul 28 j 06:53 | 0°Υ | | asc. node | -12656 Jan 17 j 15:48 | 7°♑16'15 | |
| asc. node | -12659 Aug 02 j 02:15 | 5°Υ53'38 | | | -12656 Feb 06 j 17:06 | 0°♋ | |
| | -12659 Aug 21 j 15:04 | 0°♋ | | | -12656 Mar 05 j 22:24 | 0°≈ | |
| | -12659 Sep 14 j 20:36 | 0°♐ | | evening max el | -12656 Mar 13 j 20:03 | 7°≈44'50 | 45°58'18 |
| | -12659 Oct 09 j 04:29 | 0°♑ | | | -12656 Apr 09 j 18:51 | 0°✠ | |
| | -12659 Nov 02 j 16:12 | 0°Ω | | greatest brilliancy | -12656 Apr 22 j 14:27 | 6°✠26'42 | -4.8m |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | |
|---------------------|-----------------------|---------------------------------|---------------------|-----------------------|-----------------------|------------|
| retrograde | -12656 May 02 j 09:03 | 8° H 10'18 | superior conj | -12654 Oct 22 j 02:27 | 4° Q 16'27 | 0°08'59 |
| desc. node | -12656 May 10 j 14:16 | 6° H 50'50 | minimum elong | -12654 Oct 22 j 04:52 | 4° Q 23'53 | 0°09'32 |
| evening set | -12656 May 16 j 19:34 | 4° H 13'18 | behind sun begin | -12654 Oct 21 j 07:39 | 3° Q 18'35 | |
| inferior conj | -12656 May 23 j 03:40 | 0° H 39'53 -3°02'14 | behind sun end | -12654 Oct 23 j 02:05 | 5° Q 29'10 | |
| minimum elong | -12656 May 22 j 21:03 | 0° H 49'36 3°00'43 | max. Earth dist. | -12654 Oct 25 j 16:16 | 8° Q 40'28 | 1.73089 AU |
| min. Earth dist. | -12656 May 23 j 01:46 | 0° H 42'40 0.26406 AU | desc. node | -12654 Oct 26 j 02:17 | 9° Q 11'15 | |
| | -12656 May 24 j 06:51 | 30° R \approx | | -12654 Nov 12 j 00:59 | 0° M | |
| morning rise | -12656 May 28 j 22:09 | 27° \approx 23'42 | evening rise | -12654 Nov 30 j 16:34 | 22° M 52'15 | |
| direct | -12656 Jun 12 j 15:38 | 23° \approx 11'47 | | -12654 Dec 06 j 12:10 | 0° L | |
| greatest brilliancy | -12656 Jun 23 j 16:39 | 25° \approx 28'10 -4.9m | | -12654 Dec 31 j 00:01 | 0° M | |
| | -12656 Jul 02 j 12:32 | 0° H | | -12653 Jan 24 j 13:57 | 0° J | |
| morning max el | -12656 Aug 02 j 06:23 | 26° H 25'56 46°36'54 | asc. node | -12653 Feb 14 j 02:13 | 24° J 51'07 | |
| | -12656 Aug 05 j 17:19 | 0° Y | | -12653 Feb 18 j 08:46 | 0° Z | |
| asc. node | -12656 Aug 29 j 15:33 | 26° Y 19'59 | | -12653 Mar 15 j 11:41 | 0° \approx | |
| | -12656 Sep 01 j 20:18 | 0° B | | -12653 Apr 10 j 02:53 | 0° H | |
| | -12656 Sep 27 j 10:20 | 0° II | | -12653 May 06 j 16:19 | 0° Y | |
| | -12656 Oct 22 j 13:37 | 0° E | evening max el | -12653 May 27 j 15:01 | 22° Y 07'32 | 47°43'17 |
| | -12656 Nov 16 j 14:48 | 0° Q | | -12653 Jun 04 j 16:42 | 0° B | |
| | -12656 Dec 11 j 15:09 | 0° M | desc. node | -12653 Jun 08 j 00:05 | 3° B 04'24 | |
| desc. node | -12656 Dec 21 j 04:01 | 11° M 28'14 | greatest brilliancy | -12653 Jul 08 j 03:58 | 23° B 47'36 | -4.9m |
| | -12655 Jan 05 j 12:27 | 0° L | retrograde | -12653 Jul 17 j 14:37 | 25° B 29'58 | |
| | -12655 Jan 30 j 04:10 | 0° M | evening set | -12653 Aug 04 j 08:05 | 19° B 20'49 | |
| morning set | -12655 Feb 03 j 07:34 | 5° M 04'17 | min. Earth dist. | -12653 Aug 06 j 13:22 | 17° B 58'16 | 0.26918 AU |
| | -12655 Feb 23 j 13:28 | 0° J | inferior conj | -12653 Aug 07 j 08:46 | 17° B 27'54 | -8°38'48 |
| max. Earth dist. | -12655 Mar 05 j 17:45 | 12° J 36'23 1.72802 AU | minimum elong | -12653 Aug 07 j 11:55 | 17° B 22'58 | 8°38'05 |
| | | | morning rise | -12653 Aug 10 j 15:59 | 15° B 26'03 | |
| superior conj | -12655 Mar 10 j 06:57 | 18° J 15'23 -1°03'26 | direct | -12653 Aug 27 j 14:00 | 9° B 47'43 | |
| minimum elong | -12655 Mar 10 j 14:19 | 18° J 38'19 1°04'00 | greatest brilliancy | -12653 Sep 06 j 00:04 | 11° B 30'59 | -4.9m |
| | -12655 Mar 19 j 17:26 | 0° Z | asc. node | -12653 Sep 27 j 03:28 | 24° B 30'39 | |
| asc. node | -12655 Apr 10 j 23:15 | 27° Z 45'46 | | -12653 Oct 03 j 13:54 | 0° II | |
| | -12655 Apr 12 j 18:11 | 0° \approx | morning max el | -12653 Oct 16 j 10:17 | 12° II 10'44 | 46°15'15 |
| evening rise | -12655 Apr 14 j 17:13 | 2° \approx 27'04 | | -12653 Nov 02 j 14:08 | 0° E | |
| | -12655 May 06 j 17:44 | 0° H | | -12653 Nov 29 j 16:56 | 0° Q | |
| | -12655 May 30 j 17:49 | 0° Y | | -12653 Dec 25 j 21:27 | 0° M | |
| | -12655 Jun 23 j 20:19 | 0° B | desc. node | -12652 Jan 18 j 18:16 | 27° M 54'27 | |
| | -12655 Jul 18 j 03:50 | 0° II | | -12652 Jan 20 j 12:49 | 0° L | |
| desc. node | -12655 Aug 02 j 17:24 | 18° II 59'25 | | -12652 Feb 14 j 16:12 | 0° M | |
| | -12655 Aug 11 j 19:58 | 0° E | | -12652 Mar 10 j 08:05 | 0° J | |
| | -12655 Sep 06 j 02:59 | 0° Q | | -12652 Apr 03 j 14:14 | 0° Z | |
| | -12655 Oct 02 j 16:26 | 0° M | morning set | -12652 Apr 10 j 15:43 | 8° Z 48'40 | |
| evening max el | -12655 Oct 18 j 17:44 | 16° M 44'11 45°36'25 | | -12652 Apr 27 j 13:28 | 0° \approx | |
| | -12655 Nov 02 j 00:17 | 0° L | asc. node | -12652 May 08 j 12:20 | 13° \approx 47'16 | |
| asc. node | -12655 Nov 21 j 22:34 | 13° L 52'37 | max. Earth dist. | -12652 May 15 j 01:46 | 22° \approx 03'33 | 1.71104 AU |
| greatest brilliancy | -12655 Nov 25 j 07:24 | 15° L 22'31 -4.7m | | | | |
| retrograde | -12655 Dec 06 j 17:47 | 17° L 45'55 | superior conj | -12652 May 17 j 05:15 | 24° \approx 45'56 | 0°20'04 |
| evening set | -12655 Dec 23 j 01:02 | 12° L 33'46 | minimum elong | -12652 May 17 j 01:07 | 24° \approx 32'53 | 0°19'24 |
| inferior conj | -12655 Dec 28 j 02:18 | 9° L 25'37 6°50'14 | | -12652 May 21 j 08:48 | 0° H | |
| minimum elong | -12655 Dec 27 j 18:15 | 9° L 38'27 6°48'55 | | -12652 Jun 14 j 03:02 | 0° Y | |
| min. Earth dist. | -12655 Dec 28 j 04:21 | 9° L 22'21 0.29539 AU | evening rise | -12652 Jun 25 j 05:40 | 14° Y 00'32 | |
| morning rise | -12654 Jan 01 j 11:32 | 6° L 41'03 | | -12652 Jul 07 j 22:37 | 0° B | |
| direct | -12654 Jan 19 j 01:17 | 0° L 52'03 | | -12652 Jul 31 j 21:39 | 0° II | |
| greatest brilliancy | -12654 Jan 28 j 16:29 | 2° L 32'23 -4.7m | | -12652 Aug 25 j 01:48 | 0° E | |
| | -12654 Mar 08 j 08:57 | 0° M | desc. node | -12652 Aug 30 j 03:59 | 6° E 16'43 | |
| morning max el | -12654 Mar 09 j 04:39 | 0° M 46'53 46°12'00 | | -12652 Sep 18 j 12:23 | 0° Q | |
| desc. node | -12654 Mar 15 j 18:18 | 7° M 12'20 | | -12652 Oct 13 j 07:30 | 0° M | |
| | -12654 Apr 06 j 08:08 | 0° J | | -12652 Nov 07 j 16:42 | 0° L | |
| | -12654 May 02 j 13:00 | 0° Z | | -12652 Dec 04 j 06:47 | 0° M | |
| | -12654 May 27 j 11:08 | 0° \approx | asc. node | -12652 Dec 19 j 08:23 | 15° M 51'50 | |
| | -12654 Jun 20 j 16:44 | 0° H | evening max el | -12652 Dec 28 j 12:53 | 24° M 54'11 | 44°48'14 |
| asc. node | -12654 Jul 04 j 14:21 | 17° H 25'31 | | -12651 Jan 03 j 00:34 | 0° J | |
| | -12654 Jul 14 j 14:10 | 0° Y | greatest brilliancy | -12651 Feb 04 j 08:04 | 21° J 52'20 | -4.7m |
| | -12654 Aug 07 j 09:23 | 0° B | retrograde | -12651 Feb 14 j 11:11 | 23° J 41'15 | |
| | -12654 Aug 31 j 06:42 | 0° II | evening set | -12651 Mar 03 j 08:19 | 18° J 29'14 | |
| morning set | -12654 Sep 10 j 00:37 | 12° II 10'31 | inferior conj | -12651 Mar 07 j 18:26 | 15° J 52'34 | 6°55'26 |
| | -12654 Sep 24 j 08:32 | 0° E | minimum elong | -12651 Mar 08 j 02:58 | 15° J 39'38 | 6°53'21 |
| | -12654 Oct 18 j 15:08 | 0° Q | min. Earth dist. | -12651 Mar 09 j 03:26 | 15° J 02'31 | 0.28438 AU |
| | | | morning rise | -12651 Mar 12 j 20:52 | 12° J 50'43 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|----------------------|------------|--|
| direct | -12651 Mar 29 j 12:17 | 7° ♁ 41'04 | | | -12649 Sep 09 j 07:44 | 0° ♁ | | |
| greatest brilliancy | -12651 Apr 10 j 04:50 | 10° ♁ 06'19 | -4.8m | evening rise | -12649 Sep 14 j 06:29 | 6° ♁ 08'33 | | |
| desc. node | -12651 Apr 12 j 05:48 | 10° ♁ 58'13 | | desc. node | -12649 Sep 27 j 15:41 | 22° ♁ 42'10 | | |
| | -12651 May 08 j 18:35 | 0° ♁ | | | -12649 Oct 03 j 13:38 | 0° ♁ | | |
| morning max el | -12651 May 18 j 15:56 | 9° ♁ 27'22 | 46°34'26 | | -12649 Oct 27 j 23:57 | 0° ♁ | | |
| | -12651 Jun 07 j 01:29 | 0° ♁ | | | -12649 Nov 21 j 14:43 | 0° ♁ | | |
| | -12651 Jul 03 j 01:16 | 0° ♁ | | | -12649 Dec 16 j 12:20 | 0° ♁ | | |
| | -12651 Jul 27 j 20:09 | 0° ♁ | | | -12648 Jan 10 j 22:45 | 0° ♁ | | |
| asc. node | -12651 Aug 01 j 04:30 | 5° ♁ 20'23 | | asc. node | -12648 Jan 16 j 18:10 | 6° ♁ 42'59 | | |
| | -12651 Aug 21 j 03:35 | 0° ♁ | | | -12648 Feb 06 j 08:59 | 0° ♁ | | |
| | -12651 Sep 14 j 08:37 | 0° ♁ | | | -12648 Mar 05 j 20:15 | 0° ♁ | | |
| | -12651 Oct 08 j 16:10 | 0° ♁ | | evening max el | -12648 Mar 11 j 10:10 | 5° ♁ 25'31 | 45°54'36 | |
| | -12651 Nov 02 j 03:36 | 0° ♁ | | | -12648 Apr 11 j 08:03 | 0° ♁ | | |
| desc. node | -12651 Nov 22 j 15:58 | 25° ♁ 02'31 | | greatest brilliancy | -12648 Apr 20 j 01:04 | 3° ♁ 57'42 | -4.8m | |
| morning set | -12651 Nov 24 j 05:28 | 26° ♁ 56'52 | | retrograde | -12648 Apr 29 j 21:00 | 5° ♁ 41'45 | | |
| | -12651 Nov 26 j 17:31 | 0° ♁ | | desc. node | -12648 May 09 j 16:30 | 3° ♁ 49'04 | | |
| | -12651 Dec 21 j 07:06 | 0° ♁ | | evening set | -12648 May 14 j 06:10 | 1° ♁ 46'21 | | |
| max. Earth dist. | -12651 Dec 29 j 06:03 | 9° ♁ 44'28 | 1.73837 AU | | -12648 May 17 j 12:35 | 30° ♁ | | |
| | | | | inferior conj | -12648 May 20 j 15:14 | 28° ♁ 11'32 | -2°39'28 | |
| superior conj | -12650 Jan 01 j 05:15 | 13° ♁ 22'36 | -1°11'46 | minimum elong | -12648 May 20 j 09:21 | 28° ♁ 20'10 | 2°38'10 | |
| minimum elong | -12651 Dec 31 j 22:38 | 13° ♁ 02'18 | 1°11'48 | min. Earth dist. | -12648 May 20 j 14:40 | 28° ♁ 12'21 | 0.26435 AU | |
| | -12650 Jan 14 j 18:15 | 0° ♁ | | morning rise | -12648 May 26 j 12:13 | 24° ♁ 52'19 | | |
| evening rise | -12650 Feb 05 j 12:29 | 26° ♁ 47'57 | | direct | -12648 Jun 10 j 04:49 | 20° ♁ 42'54 | | |
| greatest brilliancy | -12650 Feb 05 j 19:36 | 27° ♁ 09'55 | -3.9m | greatest brilliancy | -12648 Jun 21 j 06:01 | 22° ♁ 59'46 | -4.9m | |
| | -12650 Feb 08 j 02:46 | 0° ♁ | | | -12648 Jul 03 j 19:24 | 0° ♁ | | |
| | -12650 Mar 04 j 10:05 | 0° ♁ | | morning max el | -12648 Jul 30 j 19:59 | 23° ♁ 58'34 | 46°37'14 | |
| asc. node | -12650 Mar 13 j 13:18 | 11° ♁ 16'05 | | | -12648 Aug 05 j 15:00 | 0° ♁ | | |
| | -12650 Mar 28 j 18:09 | 0° ♁ | | asc. node | -12648 Aug 28 j 17:40 | 25° ♁ 38'00 | | |
| | -12650 Apr 22 j 04:33 | 0° ♁ | | | -12648 Sep 01 j 12:39 | 0° ♁ | | |
| | -12650 May 16 j 18:59 | 0° ♁ | | | -12648 Sep 27 j 00:32 | 0° ♁ | | |
| | -12650 Jun 10 j 16:52 | 0° ♁ | | | -12648 Oct 22 j 02:39 | 0° ♁ | | |
| desc. node | -12650 Jul 05 j 09:43 | 29° ♁ 00'27 | | | -12648 Nov 16 j 03:06 | 0° ♁ | | |
| | -12650 Jul 06 j 06:26 | 0° ♁ | | | -12648 Dec 11 j 02:56 | 0° ♁ | | |
| | -12650 Aug 02 j 09:31 | 0° ♁ | | desc. node | -12648 Dec 20 j 06:16 | 11° ♁ 00'01 | | |
| evening max el | -12650 Aug 06 j 19:01 | 4° ♁ 32'56 | 47°27'07 | | -12647 Jan 04 j 23:52 | 0° ♁ | | |
| | -12650 Sep 04 j 14:05 | 0° ♁ | | | -12647 Jan 29 j 15:22 | 0° ♁ | | |
| greatest brilliancy | -12650 Sep 16 j 14:04 | 6° ♁ 33'24 | -4.9m | morning set | -12647 Feb 01 j 02:34 | 3° ♁ 01'11 | | |
| retrograde | -12650 Sep 26 j 23:11 | 8° ♁ 39'01 | | | -12647 Feb 23 j 00:35 | 0° ♁ | | |
| evening set | -12650 Oct 12 j 02:14 | 3° ♁ 57'06 | | max. Earth dist. | -12647 Mar 03 j 12:13 | 10° ♁ 30'19 | 1.72853 AU | |
| min. Earth dist. | -12650 Oct 17 j 13:58 | 0° ♁ 31'43 | 0.28308 AU | | | | | |
| inferior conj | -12650 Oct 18 j 00:25 | 0° ♁ 14'45 | -1°32'36 | superior conj | -12647 Mar 08 j 02:43 | 16° ♁ 13'10 | -1°05'10 | |
| minimum elong | -12650 Oct 18 j 03:32 | 0° ♁ 09'42 | 1°31'00 | minimum elong | -12647 Mar 08 j 09:56 | 16° ♁ 35'33 | 1°05'45 | |
| | -12650 Oct 18 j 09:30 | 30° ♁ | | | -12647 Mar 19 j 04:35 | 0° ♁ | | |
| morning rise | -12650 Oct 24 j 05:29 | 26° ♁ 23'40 | | asc. node | -12647 Apr 10 j 01:29 | 27° ♁ 17'31 | | |
| asc. node | -12650 Oct 24 j 14:33 | 26° ♁ 10'59 | | evening rise | -12647 Apr 12 j 11:29 | 0° ♁ 18'48 | | |
| direct | -12650 Nov 07 j 22:59 | 21° ♁ 59'40 | | | -12647 Apr 12 j 05:28 | 0° ♁ | | |
| greatest brilliancy | -12650 Nov 17 j 02:23 | 23° ♁ 33'20 | -4.8m | | -12647 May 06 j 05:14 | 0° ♁ | | |
| | -12650 Nov 30 j 00:27 | 0° ♁ | | | -12647 May 30 j 05:35 | 0° ♁ | | |
| morning max el | -12650 Dec 26 j 19:22 | 22° ♁ 03'09 | 46°01'20 | | -12647 Jun 23 j 08:27 | 0° ♁ | | |
| | -12649 Jan 03 j 22:59 | 0° ♁ | | | -12647 Jul 17 j 16:27 | 0° ♁ | | |
| | -12649 Feb 01 j 09:52 | 0° ♁ | | desc. node | -12647 Aug 01 j 19:32 | 18° ♁ 26'29 | | |
| desc. node | -12649 Feb 15 j 07:49 | 15° ♁ 32'27 | | | -12647 Aug 11 j 09:18 | 0° ♁ | | |
| | -12649 Feb 27 j 22:49 | 0° ♁ | | | -12647 Sep 05 j 17:38 | 0° ♁ | | |
| | -12649 Mar 25 j 09:11 | 0° ♁ | | | -12647 Oct 02 j 10:13 | 0° ♁ | | |
| | -12649 Apr 19 j 01:11 | 0° ♁ | | evening max el | -12647 Oct 16 j 10:15 | 14° ♁ 32'04 | 45°39'44 | |
| | -12649 May 13 j 04:42 | 0° ♁ | | | -12647 Nov 02 j 07:03 | 0° ♁ | | |
| greatest brilliancy | -12649 Jun 04 j 07:02 | 27° ♁ 48'12 | -3.9m | asc. node | -12647 Nov 21 j 00:59 | 12° ♁ 24'26 | | |
| asc. node | -12649 Jun 06 j 02:18 | 0° ♁ 04'54 | | greatest brilliancy | -12647 Nov 23 j 01:28 | 13° ♁ 16'10 | -4.7m | |
| | -12649 Jun 06 j 00:45 | 0° ♁ | | retrograde | -12647 Dec 04 j 11:12 | 15° ♁ 39'03 | | |
| morning set | -12649 Jun 21 j 12:09 | 19° ♁ 34'48 | | evening set | -12647 Dec 20 j 16:15 | 10° ♁ 30'21 | | |
| | -12649 Jun 29 j 17:34 | 0° ♁ | | inferior conj | -12647 Dec 25 j 19:48 | 7° ♁ 18'19 | 6°40'18 | |
| | -12649 Jul 23 j 10:41 | 0° ♁ | | minimum elong | -12647 Dec 25 j 11:32 | 7° ♁ 31'33 | 6°38'54 | |
| | | | | min. Earth dist. | -12647 Dec 25 j 20:49 | 7° ♁ 16'41 | 0.29525 AU | |
| superior conj | -12649 Aug 01 j 17:44 | 11° ♁ 43'15 | 1°23'00 | morning rise | -12647 Dec 30 j 06:55 | 4° ♁ 30'28 | | |
| minimum elong | -12649 Aug 01 j 17:55 | 11° ♁ 43'49 | 1°23'32 | | -12646 Jan 08 j 19:21 | 30° ♁ | | |
| max. Earth dist. | -12649 Aug 08 j 09:29 | 20° ♁ 05'49 | 1.71080 AU | direct | -12646 Jan 16 j 18:34 | 28° ♁ 45'00 | | |
| | -12649 Aug 16 j 06:51 | 0° ♁ | | | -12646 Jan 25 j 01:28 | 0° ♁ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| greatest brilliancy | -12646 Jan 26 j 07:47 | 0°♌23'34 | -4.7m | | -12644 Jul 07 j 10:10 | 0°♏ | |
| morning max el | -12646 Mar 06 j 20:26 | 28°♌35'57 | 46°11'12 | | -12644 Jul 31 j 09:18 | 0°♐ | |
| | -12646 Mar 08 j 07:28 | 0°♍ | | | -12644 Aug 24 j 13:36 | 0°♑ | |
| desc. node | -12646 Mar 14 j 20:28 | 6°♍27'08 | | desc. node | -12644 Aug 29 j 06:12 | 5°♑47'02 | |
| | -12646 Apr 06 j 00:10 | 0°♎ | | | -12644 Sep 18 j 00:28 | 0°♒ | |
| | -12646 May 02 j 02:47 | 0°♏ | | | -12644 Oct 12 j 20:09 | 0°♓ | |
| | -12646 May 26 j 23:52 | 0°♐ | | | -12644 Nov 07 j 06:32 | 0°♑ | |
| | -12646 Jun 20 j 04:55 | 0°♒ | | | -12644 Dec 03 j 23:26 | 0°♒ | |
| asc. node | -12646 Jul 03 j 16:38 | 16°♒55'06 | | asc. node | -12644 Dec 18 j 10:45 | 15°♒07'43 | |
| | -12646 Jul 14 j 02:01 | 0°♓ | | evening max el | -12644 Dec 26 j 03:17 | 22°♒39'47 | 44°48'02 |
| | -12646 Aug 06 j 21:03 | 0°♏ | | | -12643 Jan 03 j 02:59 | 0°♎ | |
| | -12646 Aug 30 j 18:16 | 0°♐ | | greatest brilliancy | -12643 Feb 01 j 21:13 | 19°♎39'00 | -4.7m |
| morning set | -12646 Sep 07 j 10:15 | 9°♐34'58 | | retrograde | -12643 Feb 12 j 02:14 | 21°♎29'51 | |
| | -12646 Sep 23 j 20:01 | 0°♑ | | evening set | -12643 Mar 01 j 01:31 | 16°♎13'26 | |
| | -12646 Oct 18 j 02:31 | 0°♒ | | inferior conj | -12643 Mar 05 j 09:34 | 13°♎39'39 | 7°05'16 |
| | | | | minimum elong | -12643 Mar 05 j 17:44 | 13°♎27'16 | 7°03'21 |
| superior conj | -12646 Oct 19 j 13:53 | 1°♒48'56 | 0°12'34 | min. Earth dist. | -12643 Mar 06 j 18:22 | 12°♎49'55 | 0.28520 AU |
| minimum elong | -12646 Oct 19 j 17:13 | 1°♒59'11 | 0°13'07 | morning rise | -12643 Mar 10 j 09:14 | 10°♎41'39 | |
| behind sun begin | -12646 Oct 19 j 01:50 | 1°♒11'49 | | direct | -12643 Mar 27 j 04:00 | 5°♎26'25 | |
| behind sun end | -12646 Oct 20 j 08:36 | 2°♒46'33 | | greatest brilliancy | -12643 Apr 07 j 20:14 | 7°♎51'31 | -4.8m |
| max. Earth dist. | -12646 Oct 23 j 12:16 | 6°♒39'24 | 1.73031 AU | desc. node | -12643 Apr 11 j 08:07 | 9°♎24'16 | |
| desc. node | -12646 Oct 25 j 04:29 | 8°♒43'06 | | | -12643 May 08 j 21:32 | 0°♏ | |
| | -12646 Nov 11 j 12:16 | 0°♐ | | morning max el | -12643 May 16 j 07:39 | 7°♏10'09 | 46°33'49 |
| evening rise | -12646 Nov 28 j 08:53 | 20°♐40'33 | | | -12643 Jun 06 j 18:58 | 0°♐ | |
| | -12646 Dec 05 j 23:27 | 0°♑ | | | -12643 Jul 02 j 15:53 | 0°♒ | |
| | -12646 Dec 30 j 11:27 | 0°♒ | | | -12643 Jul 27 j 09:26 | 0°♓ | |
| | -12645 Jan 24 j 01:43 | 0°♓ | | asc. node | -12643 Jul 31 j 06:32 | 4°♓46'16 | |
| asc. node | -12645 Feb 13 j 04:25 | 24°♓20'50 | | | -12643 Aug 20 j 16:06 | 0°♏ | |
| | -12645 Feb 17 j 21:10 | 0°♏ | | | -12643 Sep 13 j 20:38 | 0°♐ | |
| | -12645 Mar 15 j 01:08 | 0°♐ | | | -12643 Oct 08 j 03:48 | 0°♑ | |
| | -12645 Apr 09 j 18:03 | 0°♒ | | | -12643 Nov 01 j 14:58 | 0°♒ | |
| | -12645 May 06 j 10:51 | 0°♓ | | morning set | -12643 Nov 21 j 20:21 | 24°♒41'43 | |
| evening max el | -12645 May 25 j 04:45 | 19°♓41'35 | 47°41'02 | desc. node | -12643 Nov 21 j 18:12 | 24°♒35'11 | |
| | -12645 Jun 04 j 21:15 | 0°♏ | | | -12643 Nov 26 j 04:40 | 0°♐ | |
| desc. node | -12645 Jun 07 j 02:28 | 2°♏00'53 | | | -12643 Dec 20 j 18:08 | 0°♑ | |
| greatest brilliancy | -12645 Jul 05 j 17:57 | 21°♏19'25 | -4.9m | max. Earth dist. | -12643 Dec 27 j 03:55 | 7°♑50'44 | 1.73847 AU |
| retrograde | -12645 Jul 15 j 03:31 | 23°♏00'44 | | | | | |
| evening set | -12645 Aug 01 j 21:54 | 16°♏52'12 | | superior conj | -12643 Dec 29 j 23:46 | 11°♑18'36 | -1°10'23 |
| min. Earth dist. | -12645 Aug 04 j 02:32 | 15°♏30'45 | 0.26874 AU | minimum elong | -12643 Dec 29 j 16:46 | 10°♑57'08 | 1°10'22 |
| inferior conj | -12645 Aug 04 j 22:03 | 15°♏00'13 | -8°42'03 | | -12642 Jan 14 j 05:14 | 0°♒ | |
| minimum elong | -12645 Aug 05 j 00:21 | 14°♏56'38 | 8°41'25 | evening rise | -12642 Feb 03 j 08:38 | 24°♒48'07 | |
| morning rise | -12645 Aug 08 j 03:00 | 13°♏01'48 | | greatest brilliancy | -12642 Feb 04 j 13:40 | 26°♒17'35 | -3.9m |
| direct | -12645 Aug 25 j 02:33 | 7°♏21'17 | | | -12642 Feb 07 j 13:49 | 0°♓ | |
| greatest brilliancy | -12645 Sep 03 j 13:57 | 9°♏05'09 | -4.9m | | -12642 Mar 03 j 21:21 | 0°♏ | |
| asc. node | -12645 Sep 26 j 05:46 | 23°♏21'30 | | asc. node | -12642 Mar 12 j 15:34 | 10°♏47'55 | |
| | -12645 Oct 03 j 19:19 | 0°♐ | | | -12642 Mar 28 j 05:49 | 0°♐ | |
| morning max el | -12645 Oct 13 j 23:02 | 9°♐45'09 | 46°15'58 | | -12642 Apr 21 j 16:47 | 0°♒ | |
| | -12645 Nov 02 j 08:18 | 0°♑ | | | -12642 May 16 j 07:57 | 0°♓ | |
| | -12645 Nov 29 j 07:43 | 0°♒ | | | -12642 Jun 10 j 06:57 | 0°♏ | |
| | -12645 Dec 25 j 10:36 | 0°♐ | | desc. node | -12642 Jul 04 j 11:53 | 28°♏21'03 | |
| desc. node | -12644 Jan 17 j 20:18 | 27°♐24'12 | | | -12642 Jul 05 j 22:27 | 0°♐ | |
| | -12644 Jan 20 j 01:02 | 0°♑ | | | -12642 Aug 02 j 06:20 | 0°♑ | |
| | -12644 Feb 14 j 03:52 | 0°♒ | | evening max el | -12642 Aug 04 j 11:24 | 2°♑16'25 | 47°30'13 |
| | -12644 Mar 09 j 19:27 | 0°♓ | | | -12642 Sep 05 j 18:08 | 0°♒ | |
| | -12644 Apr 03 j 01:28 | 0°♏ | | greatest brilliancy | -12642 Sep 14 j 07:41 | 4°♒19'02 | -4.9m |
| morning set | -12644 Apr 08 j 10:00 | 6°♏40'46 | | retrograde | -12642 Sep 24 j 16:31 | 6°♒24'25 | |
| | -12644 Apr 27 j 00:41 | 0°♐ | | evening set | -12642 Oct 09 j 20:16 | 1°♒40'16 | |
| asc. node | -12644 May 07 j 14:37 | 13°♐18'55 | | | -12642 Oct 12 j 14:23 | 30°♒ | |
| max. Earth dist. | -12644 May 12 j 12:54 | 19°♐31'41 | 1.71154 AU | inferior conj | -12642 Oct 15 j 16:57 | 28°♑00'18 | -1°52'15 |
| | | | | minimum elong | -12642 Oct 15 j 20:42 | 27°♑54'13 | 1°50'27 |
| superior conj | -12644 May 14 j 20:35 | 22°♐27'17 | 0°16'46 | min. Earth dist. | -12642 Oct 15 j 06:13 | 28°♑17'41 | 0.28254 AU |
| minimum elong | -12644 May 14 j 17:09 | 22°♐16'27 | 0°16'06 | morning rise | -12642 Oct 21 j 21:51 | 24°♑09'58 | |
| behind sun begin | -12644 May 14 j 15:21 | 22°♐10'46 | | asc. node | -12642 Oct 23 j 16:53 | 23°♑12'00 | |
| behind sun end | -12644 May 14 j 18:57 | 22°♐22'08 | | direct | -12642 Nov 05 j 14:43 | 19°♑46'11 | |
| | -12644 May 20 j 20:07 | 0°♒ | | greatest brilliancy | -12642 Nov 14 j 17:59 | 21°♑20'15 | -4.8m |
| | -12644 Jun 13 j 14:28 | 0°♓ | | | -12642 Nov 30 j 22:40 | 0°♒ | |
| evening rise | -12644 Jun 22 j 16:59 | 11°♓28'52 | | morning max el | -12642 Dec 24 j 12:38 | 19°♒56'18 | 46°01'25 |

| | | | | | | | | |
|---------------------|-----------------------|--------------------|------------|---------------------|-----------------------|--------------------|------------|--|
| | -12641 Jan 03 j 18:39 | 0°ྐ | | | -12639 Jul 17 j 04:50 | 0°II | | |
| | -12641 Feb 01 j 00:49 | 0° <u>u</u> | | | | | | |
| desc. node | -12641 Feb 14 j 09:58 | 14° <u>u</u> 59'27 | | desc. node | -12639 Jul 31 j 21:48 | 17°II54'39 | | |
| | -12641 Feb 27 j 11:52 | 0°ྐ | | | -12639 Aug 10 j 22:25 | 0° <u>u</u> | | |
| | -12641 Mar 24 j 21:18 | 0° <u>u</u> | | | -12639 Sep 05 j 08:08 | 0° <u>u</u> | | |
| | -12641 Apr 18 j 12:48 | 0° <u>u</u> | | evening max el | -12639 Oct 02 j 04:04 | 0°ྐ | | |
| | -12641 May 12 j 16:05 | 0° <u>u</u> | | | -12639 Oct 14 j 02:06 | 12°ྐ19'02 | 45°43'07 | |
| greatest brilliancy | -12641 Jun 03 j 15:25 | 27° <u>u</u> 39'00 | -3.9m | asc. node | -12639 Nov 02 j 15:52 | 0° <u>u</u> | | |
| asc. node | -12641 Jun 05 j 04:31 | 29° <u>u</u> 36'13 | | greatest brilliancy | -12639 Nov 20 j 03:21 | 10° <u>u</u> 54'17 | | |
| | -12641 Jun 05 j 12:03 | 0° <u>u</u> | | retrograde | -12639 Nov 20 j 19:58 | 11° <u>u</u> 11'15 | -4.7m | |
| morning set | -12641 Jun 19 j 00:18 | 17° <u>u</u> 05'41 | | evening set | -12639 Dec 02 j 04:31 | 13° <u>u</u> 33'33 | | |
| | -12641 Jun 29 j 04:51 | 0° <u>u</u> | | inferior conj | -12639 Dec 18 j 07:39 | 8° <u>u</u> 28'09 | | |
| | -12641 Jul 22 j 21:58 | 0° <u>u</u> | | minimum elong | -12639 Dec 23 j 13:28 | 5° <u>u</u> 12'31 | 6°29'54 | |
| | | | | min. Earth dist. | -12639 Dec 23 j 05:02 | 5° <u>u</u> 26'03 | 6°28'25 | |
| superior conj | -12641 Jul 30 j 02:19 | 9° <u>u</u> 03'28 | 1°22'57 | morning rise | -12639 Dec 23 j 13:47 | 5° <u>u</u> 12'00 | 0.29506 AU | |
| minimum elong | -12641 Jul 30 j 01:22 | 9° <u>u</u> 00'28 | 1°23'28 | | -12639 Dec 28 j 02:29 | 2° <u>u</u> 21'22 | | |
| max. Earth dist. | -12641 Aug 05 j 14:53 | 17° <u>u</u> 16'20 | 1.71033 AU | direct | -12638 Jan 01 j 08:53 | 30° <u>u</u> 8ྐ | | |
| | -12641 Aug 15 j 18:09 | 0°II | | greatest brilliancy | -12638 Jan 14 j 11:27 | 26°ྐ39'27 | | |
| | -12641 Sep 08 j 19:03 | 0° <u>u</u> | | | -12638 Jan 23 j 23:48 | 28°ྐ16'56 | -4.7m | |
| evening rise | -12641 Sep 11 j 14:12 | 3° <u>u</u> 28'30 | | morning max el | -12638 Jan 28 j 09:16 | 0° <u>u</u> | | |
| desc. node | -12641 Sep 26 j 17:59 | 22° <u>u</u> 14'16 | | | -12638 Mar 04 j 11:43 | 26° <u>u</u> 25'16 | 46°10'30 | |
| | -12641 Oct 03 j 00:58 | 0° <u>u</u> | | desc. node | -12638 Mar 08 j 04:37 | 0°ྐ | | |
| | -12641 Oct 27 j 11:21 | 0°ྐ | | | -12638 Mar 13 j 22:45 | 5°ྐ44'15 | | |
| | -12641 Nov 21 j 02:20 | 0° <u>u</u> | | | -12638 Apr 05 j 15:30 | 0° <u>u</u> | | |
| | -12641 Dec 16 j 00:30 | 0°ྐ | | | -12638 May 01 j 16:06 | 0° <u>u</u> | | |
| | -12640 Jan 10 j 12:07 | 0° <u>u</u> | | | -12638 May 26 j 12:15 | 0° <u>u</u> | | |
| asc. node | -12640 Jan 15 j 20:22 | 6° <u>u</u> 09'47 | | asc. node | -12638 Jun 19 j 16:47 | 0° <u>u</u> | | |
| | -12640 Feb 06 j 00:52 | 0° <u>u</u> | | | -12638 Jun 19 j 16:47 | 0° <u>u</u> | | |
| | -12640 Mar 05 j 18:43 | 0° <u>u</u> | | | -12638 Jul 02 j 18:42 | 16° <u>u</u> 24'44 | | |
| evening max el | -12640 Mar 09 j 00:35 | 3° <u>u</u> 07'37 | 45°50'43 | | -12638 Jul 13 j 13:37 | 0° <u>u</u> | | |
| | -12640 Apr 13 j 16:07 | 0° <u>u</u> | | morning set | -12638 Aug 06 j 08:29 | 0° <u>u</u> | | |
| greatest brilliancy | -12640 Apr 17 j 12:16 | 1° <u>u</u> 30'09 | -4.8m | | -12638 Aug 30 j 05:34 | 0°II | | |
| retrograde | -12640 Apr 27 j 08:35 | 3° <u>u</u> 13'51 | | | -12638 Sep 04 j 19:32 | 6°II58'58 | | |
| desc. node | -12640 May 08 j 18:49 | 0° <u>u</u> 42'49 | | | -12638 Sep 23 j 07:11 | 0° <u>u</u> | | |
| | -12640 May 10 j 08:40 | 30° <u>u</u> | | superior conj | -12638 Oct 17 j 01:04 | 29° <u>u</u> 21'29 | 0°16'11 | |
| evening set | -12640 May 11 j 17:06 | 29° <u>u</u> 20'02 | | minimum elong | -12638 Oct 17 j 05:19 | 29° <u>u</u> 34'32 | 0°16'41 | |
| inferior conj | -12640 May 18 j 02:52 | 25° <u>u</u> 44'03 | -2°16'28 | | -12638 Oct 17 j 13:35 | 0° <u>u</u> | | |
| minimum elong | -12640 May 17 j 21:47 | 25° <u>u</u> 51'33 | 2°15'23 | max. Earth dist. | -12638 Oct 21 j 06:52 | 4° <u>u</u> 34'53 | 1.72970 AU | |
| min. Earth dist. | -12640 May 18 j 03:56 | 25° <u>u</u> 42'30 | 0.26465 AU | desc. node | -12638 Oct 24 j 06:42 | 8° <u>u</u> 15'55 | | |
| morning rise | -12640 May 24 j 02:07 | 22° <u>u</u> 21'47 | | | -12638 Nov 10 j 23:16 | 0°ྐ | | |
| direct | -12640 Jun 07 j 17:50 | 18° <u>u</u> 14'58 | | evening rise | -12638 Nov 26 j 01:01 | 18°ྐ29'09 | | |
| greatest brilliancy | -12640 Jun 18 j 19:31 | 20° <u>u</u> 32'07 | -4.9m | | -12638 Dec 05 j 10:27 | 0° <u>u</u> | | |
| | -12640 Jul 04 j 17:30 | 0° <u>u</u> | | | -12638 Dec 29 j 22:35 | 0°ྐ | | |
| morning max el | -12640 Jul 28 j 08:43 | 21° <u>u</u> 29'38 | 46°37'32 | asc. node | -12637 Jan 23 j 13:11 | 0° <u>u</u> | | |
| | -12640 Aug 05 j 11:42 | 0° <u>u</u> | | | -12637 Feb 12 j 06:49 | 23° <u>u</u> 52'14 | | |
| asc. node | -12640 Aug 27 j 19:59 | 24° <u>u</u> 57'47 | | | -12637 Feb 17 j 09:14 | 0° <u>u</u> | | |
| | -12640 Sep 01 j 04:28 | 0° <u>u</u> | | | -12637 Mar 14 j 14:14 | 0° <u>u</u> | | |
| | -12640 Sep 26 j 14:20 | 0°II | | | -12637 Apr 09 j 08:58 | 0° <u>u</u> | | |
| | -12640 Oct 21 j 15:21 | 0° <u>u</u> | | evening max el | -12637 May 06 j 05:25 | 0° <u>u</u> | | |
| | -12640 Nov 15 j 15:05 | 0° <u>u</u> | | | -12637 May 22 j 17:39 | 17° <u>u</u> 14'30 | 47°38'25 | |
| | -12640 Dec 10 j 14:23 | 0°ྐ | | | -12637 Jun 05 j 03:24 | 0° <u>u</u> | | |
| desc. node | -12640 Dec 19 j 08:17 | 10°ྐ32'03 | | desc. node | -12637 Jun 06 j 04:38 | 0° <u>u</u> 55'53 | | |
| | -12639 Jan 04 j 10:57 | 0° <u>u</u> | | greatest brilliancy | -12637 Jul 03 j 07:51 | 18° <u>u</u> 51'11 | -4.9m | |
| | -12639 Jan 29 j 02:13 | 0°ྐ | | retrograde | -12637 Jul 12 j 16:05 | 20° <u>u</u> 31'31 | | |
| morning set | -12639 Jan 29 j 21:51 | 1°ྐ00'05 | | evening set | -12637 Jul 30 j 10:58 | 14° <u>u</u> 24'05 | | |
| | -12639 Feb 22 j 11:21 | 0° <u>u</u> | | min. Earth dist. | -12637 Aug 01 j 15:42 | 13° <u>u</u> 02'47 | 0.26835 AU | |
| max. Earth dist. | -12639 Mar 01 j 06:18 | 8° <u>u</u> 24'14 | 1.72909 AU | inferior conj | -12637 Aug 02 j 11:08 | 12° <u>u</u> 32'28 | -8°44'11 | |
| | | | | minimum elong | -12637 Aug 02 j 12:33 | 12° <u>u</u> 30'15 | 8°43'37 | |
| | | | | morning rise | -12637 Aug 05 j 14:17 | 10° <u>u</u> 36'55 | | |
| superior conj | -12639 Mar 05 j 22:48 | 14° <u>u</u> 13'02 | -1°06'49 | direct | -12637 Aug 22 j 14:42 | 4° <u>u</u> 54'24 | | |
| minimum elong | -12639 Mar 06 j 05:49 | 14° <u>u</u> 34'47 | 1°07'24 | greatest brilliancy | -12637 Sep 01 j 04:06 | 6° <u>u</u> 39'40 | -4.9m | |
| | -12639 Mar 18 j 15:26 | 0° <u>u</u> | | asc. node | -12637 Sep 25 j 08:05 | 22° <u>u</u> 14'34 | | |
| asc. node | -12639 Apr 09 j 03:49 | 26° <u>u</u> 50'27 | | | -12637 Oct 03 j 22:46 | 0°II | | |
| evening rise | -12639 Apr 10 j 05:59 | 28° <u>u</u> 32'10 | | morning max el | -12637 Oct 11 j 11:58 | 7°II20'16 | 46°16'50 | |
| | -12639 Apr 11 j 16:30 | 0° <u>u</u> | | | -12637 Nov 02 j 01:50 | 0° <u>u</u> | | |
| | -12639 May 05 j 16:30 | 0° <u>u</u> | | | -12637 Nov 28 j 22:03 | 0° <u>u</u> | | |
| | -12639 May 29 j 17:08 | 0° <u>u</u> | | | -12637 Dec 24 j 23:24 | 0°ྐ | | |
| | -12639 Jun 22 j 20:21 | 0° <u>u</u> | | desc. node | -12636 Jan 16 j 22:26 | 26°ྐ55'05 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12636 Jan 19 j 12:57 | 0°♎ | | evening max el | -12634 Aug 02 j 04:21 | 0°♎01'44 | 47°32'57 |
| | -12636 Feb 13 j 15:15 | 0°♎ | | | -12634 Aug 02 j 03:41 | 0°♎ | |
| | -12636 Mar 09 j 06:31 | 0°♎ | | | -12634 Sep 07 j 10:53 | 0°♎ | |
| | -12636 Apr 02 j 12:23 | 0°♎ | | greatest brilliancy | -12634 Sep 12 j 00:54 | 2°♎03'49 | -4.9m |
| morning set | -12636 Apr 06 j 04:51 | 4°♎35'43 | | retrograde | -12634 Sep 22 j 09:36 | 4°♎08'44 | |
| | -12636 Apr 26 j 11:35 | 0°♎ | | | -12634 Oct 06 j 11:45 | 30°♎ | |
| asc. node | -12636 May 06 j 16:52 | 12°♎51'34 | | evening set | -12634 Oct 07 j 14:14 | 29°♎22'22 | |
| max. Earth dist. | -12636 May 10 j 03:23 | 17°♎11'31 | 1.71204 AU | inferior conj | -12634 Oct 13 j 09:13 | 25°♎44'46 | -2°12'03 |
| | | | | minimum elong | -12634 Oct 13 j 13:37 | 25°♎37'39 | 2°10'03 |
| superior conj | -12636 May 12 j 12:29 | 20°♎11'30 | 0°13'30 | min. Earth dist. | -12634 Oct 12 j 22:08 | 26°♎02'43 | 0.28204 AU |
| minimum elong | -12636 May 12 j 09:45 | 20°♎02'52 | 0°12'50 | morning rise | -12634 Oct 19 j 13:47 | 21°♎55'21 | |
| behind sun begin | -12636 May 11 j 19:16 | 19°♎17'14 | | asc. node | -12634 Oct 22 j 19:12 | 20°♎15'32 | |
| behind sun end | -12636 May 13 j 00:13 | 20°♎48'30 | | direct | -12634 Nov 03 j 06:41 | 17°♎31'44 | |
| | -12636 May 20 j 07:06 | 0°♎ | | greatest brilliancy | -12634 Nov 12 j 09:11 | 19°♎05'44 | -4.8m |
| | -12636 Jun 13 j 01:37 | 0°♎ | | | -12634 Dec 01 j 15:29 | 0°♎ | |
| evening rise | -12636 Jun 20 j 04:48 | 8°♎59'38 | | morning max el | -12634 Dec 22 j 05:34 | 17°♎48'04 | 46°01'27 |
| | -12636 Jul 06 j 21:28 | 0°♎ | | | -12633 Jan 03 j 13:56 | 0°♎ | |
| | -12636 Jul 30 j 20:47 | 0°♎ | | | -12633 Jan 31 j 15:40 | 0°♎ | |
| | -12636 Aug 24 j 01:17 | 0°♎ | | desc. node | -12633 Feb 13 j 12:17 | 14°♎26'54 | |
| desc. node | -12636 Aug 28 j 08:34 | 5°♎18'09 | | | -12633 Feb 27 j 00:53 | 0°♎ | |
| | -12636 Sep 17 j 12:28 | 0°♎ | | | -12633 Mar 24 j 09:24 | 0°♎ | |
| | -12636 Oct 12 j 08:44 | 0°♎ | | | -12633 Apr 18 j 00:26 | 0°♎ | |
| | -12636 Nov 06 j 20:21 | 0°♎ | | | -12633 May 12 j 03:29 | 0°♎ | |
| | -12636 Dec 03 j 16:15 | 0°♎ | | greatest brilliancy | -12633 Jun 02 j 23:56 | 27°♎30'12 | -3.9m |
| asc. node | -12636 Dec 17 j 12:57 | 14°♎22'58 | | asc. node | -12633 Jun 04 j 06:37 | 29°♎07'10 | |
| evening max el | -12636 Dec 23 j 18:26 | 20°♎27'42 | 44°48'02 | | -12633 Jun 04 j 23:20 | 0°♎ | |
| | -12635 Jan 03 j 06:47 | 0°♎ | | morning set | -12633 Jun 16 j 12:57 | 14°♎38'12 | |
| greatest brilliancy | -12635 Jan 30 j 10:08 | 17°♎26'12 | -4.7m | | -12633 Jun 28 j 16:06 | 0°♎ | |
| retrograde | -12635 Feb 09 j 17:41 | 19°♎19'09 | | | -12633 Jul 22 j 09:12 | 0°♎ | |
| evening set | -12635 Feb 26 j 18:45 | 13°♎58'38 | | | | | |
| inferior conj | -12635 Mar 03 j 00:43 | 11°♎27'28 | 7°14'35 | superior conj | -12633 Jul 27 j 11:31 | 6°♎25'47 | 1°22'44 |
| minimum elong | -12635 Mar 03 j 08:29 | 11°♎15'42 | 7°12'49 | minimum elong | -12633 Jul 27 j 09:27 | 6°♎19'16 | 1°23'12 |
| min. Earth dist. | -12635 Mar 04 j 08:54 | 10°♎38'39 | 0.28595 AU | max. Earth dist. | -12633 Aug 02 j 22:54 | 14°♎35'10 | 1.70984 AU |
| morning rise | -12635 Mar 07 j 21:37 | 8°♎33'24 | | | -12633 Aug 15 j 05:24 | 0°♎ | |
| direct | -12635 Mar 24 j 20:15 | 3°♎12'48 | | | -12633 Sep 08 j 06:20 | 0°♎ | |
| greatest brilliancy | -12635 Apr 05 j 10:57 | 5°♎36'57 | -4.8m | evening rise | -12633 Sep 08 j 22:02 | 0°♎48'44 | |
| desc. node | -12635 Apr 10 j 10:18 | 7°♎54'12 | | desc. node | -12633 Sep 25 j 20:10 | 21°♎46'04 | |
| | -12635 May 08 j 22:42 | 0°♎ | | | -12633 Oct 02 j 12:19 | 0°♎ | |
| morning max el | -12635 May 13 j 23:52 | 4°♎55'22 | 46°33'19 | | -12633 Oct 26 j 22:50 | 0°♎ | |
| | -12635 Jun 06 j 11:47 | 0°♎ | | | -12633 Nov 20 j 14:07 | 0°♎ | |
| | -12635 Jul 02 j 06:03 | 0°♎ | | | -12633 Dec 15 j 12:54 | 0°♎ | |
| | -12635 Jul 26 j 22:24 | 0°♎ | | | -12632 Jan 10 j 01:46 | 0°♎ | |
| asc. node | -12635 Jul 30 j 08:52 | 4°♎13'57 | | asc. node | -12632 Jan 14 j 22:48 | 5°♎36'35 | |
| | -12635 Aug 20 j 04:24 | 0°♎ | | | -12632 Feb 05 j 17:13 | 0°♎ | |
| | -12635 Sep 13 j 08:30 | 0°♎ | | | -12632 Mar 05 j 18:21 | 0°♎ | |
| | -12635 Oct 07 j 15:22 | 0°♎ | | evening max el | -12632 Mar 06 j 14:06 | 0°♎47'10 | 45°46'55 |
| | -12635 Nov 01 j 02:16 | 0°♎ | | greatest brilliancy | -12632 Apr 15 j 00:02 | 29°♎02'56 | -4.8m |
| morning set | -12635 Nov 19 j 10:37 | 22°♎24'49 | | | -12632 Apr 18 j 08:32 | 0°♎ | |
| desc. node | -12635 Nov 20 j 20:17 | 24°♎07'34 | | retrograde | -12632 Apr 24 j 19:31 | 0°♎45'36 | |
| | -12635 Nov 25 j 15:46 | 0°♎ | | | -12632 May 01 j 02:07 | 30°♎ | |
| | -12635 Dec 20 j 05:04 | 0°♎ | | desc. node | -12632 May 07 j 21:02 | 27°♎31'21 | |
| max. Earth dist. | -12635 Dec 25 j 03:01 | 6°♎01'03 | 1.73853 AU | evening set | -12632 May 09 j 04:12 | 26°♎53'01 | |
| | | | | inferior conj | -12632 May 15 j 14:28 | 23°♎16'21 | -1°53'06 |
| superior conj | -12635 Dec 27 j 17:46 | 9°♎13'16 | -1°08'53 | minimum elong | -12632 May 15 j 10:12 | 23°♎22'38 | 1°52'18 |
| minimum elong | -12635 Dec 27 j 10:24 | 8°♎50'41 | 1°08'50 | min. Earth dist. | -12632 May 15 j 17:32 | 23°♎11'49 | 0.26497 AU |
| | -12634 Jan 13 j 16:08 | 0°♎ | | morning rise | -12632 May 21 j 15:45 | 19°♎51'00 | |
| evening rise | -12634 Feb 01 j 04:36 | 22°♎47'58 | | direct | -12632 Jun 05 j 06:17 | 15°♎46'32 | |
| greatest brilliancy | -12634 Feb 03 j 09:28 | 25°♎30'50 | -3.9m | greatest brilliancy | -12632 Jun 16 j 09:32 | 18°♎04'34 | -4.9m |
| | -12634 Feb 07 j 00:48 | 0°♎ | | | -12632 Jul 05 j 10:10 | 0°♎ | |
| | -12634 Mar 03 j 08:35 | 0°♎ | | morning max el | -12632 Jul 25 j 20:24 | 18°♎57'41 | 46°38'04 |
| asc. node | -12634 Mar 11 j 17:56 | 10°♎20'17 | | | -12632 Aug 05 j 07:49 | 0°♎ | |
| | -12634 Mar 27 j 17:25 | 0°♎ | | asc. node | -12632 Aug 26 j 22:14 | 24°♎17'37 | |
| | -12634 Apr 21 j 04:55 | 0°♎ | | | -12632 Aug 31 j 20:06 | 0°♎ | |
| | -12634 May 15 j 20:49 | 0°♎ | | | -12632 Sep 26 j 04:03 | 0°♎ | |
| | -12634 Jun 09 j 20:54 | 0°♎ | | | -12632 Oct 21 j 04:02 | 0°♎ | |
| desc. node | -12634 Jul 03 j 14:10 | 27°♎42'13 | | | -12632 Nov 15 j 03:07 | 0°♎ | |
| | -12634 Jul 05 j 14:28 | 0°♎ | | | -12632 Dec 10 j 01:59 | 0°♎ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|--------------------------------|------------|---------------------|-----------------------|-------------------------|------------|
| desc. node | -12632 Dec 18 j 10:27 | 10° \cap 03'57 | | greatest brilliancy | -12629 Jun 30 j 21:06 | 16° δ 21'08 | -4.9m |
| | -12631 Jan 03 j 22:13 | 0° $\underline{\delta}$ | | retrograde | -12629 Jul 10 j 04:48 | 18° δ 01'22 | |
| morning set | -12631 Jan 27 j 16:41 | 28° $\underline{\delta}$ 56'56 | | evening set | -12629 Jul 27 j 23:26 | 11° δ 55'20 | |
| | -12631 Jan 28 j 13:18 | 0° \cap | | min. Earth dist. | -12629 Jul 30 j 04:28 | 10° δ 33'56 | 0.26796 AU |
| | -12631 Feb 21 j 22:22 | 0° \times | | inferior conj | -12629 Jul 31 j 00:04 | 10° δ 03'29 | -8°45'17 |
| max. Earth dist. | -12631 Feb 27 j 00:06 | 6° \times 16'36 | 1.72964 AU | minimum elong | -12629 Jul 31 j 00:36 | 10° δ 02'40 | 8°44'46 |
| | | | | morning rise | -12629 Aug 03 j 01:54 | 8° δ 10'18 | |
| superior conj | -12631 Mar 03 j 18:35 | 12° \times 11'21 | -1°08'23 | direct | -12629 Aug 20 j 03:00 | 2° δ 26'07 | |
| minimum elong | -12631 Mar 04 j 01:21 | 12° \times 32'18 | 1°08'58 | greatest brilliancy | -12629 Aug 29 j 17:58 | 4° δ 12'53 | -4.9m |
| | -12631 Mar 18 j 02:31 | 0° δ | | asc. node | -12629 Sep 24 j 10:17 | 21° δ 08'17 | |
| evening rise | -12631 Apr 08 j 00:18 | 26° δ 04'27 | | | -12629 Oct 04 j 01:01 | 0° \cap | |
| asc. node | -12631 Apr 08 j 06:00 | 26° δ 22'16 | | morning max el | -12629 Oct 09 j 01:50 | 4° \cap 56'48 | 46°17'50 |
| | -12631 Apr 11 j 03:44 | 0° \approx | | | -12629 Nov 01 j 19:16 | 0° δ | |
| | -12631 May 05 j 03:58 | 0° \times | | | -12629 Nov 28 j 12:28 | 0° \cap | |
| | -12631 May 29 j 04:55 | 0° γ | | | -12629 Dec 24 j 12:19 | 0° \cap | |
| | -12631 Jun 22 j 08:31 | 0° δ | | desc. node | -12628 Jan 16 j 00:42 | 26° \cap 25'51 | |
| | -12631 Jul 16 j 17:28 | 0° \cap | | | -12628 Jan 19 j 01:01 | 0° $\underline{\delta}$ | |
| desc. node | -12631 Jul 31 j 00:13 | 17° \cap 22'40 | | | -12628 Feb 13 j 02:50 | 0° \cap | |
| | -12631 Aug 10 j 11:47 | 0° δ | | | -12628 Mar 08 j 17:51 | 0° \times | |
| | -12631 Sep 04 j 22:53 | 0° \cap | | | -12628 Apr 01 j 23:36 | 0° δ | |
| | -12631 Oct 01 j 22:25 | 0° \cap | | morning set | -12628 Apr 03 j 23:36 | 2° δ 29'31 | |
| evening max el | -12631 Oct 11 j 17:02 | 10° \cap 03'18 | 45°46'31 | | -12628 Apr 25 j 22:49 | 0° \approx | |
| | -12631 Nov 03 j 04:00 | 0° $\underline{\delta}$ | | asc. node | -12628 May 05 j 19:00 | 12° \approx 22'46 | |
| greatest brilliancy | -12631 Nov 18 j 14:06 | 9° $\underline{\delta}$ 05'18 | -4.7m | max. Earth dist. | -12628 May 07 j 16:47 | 14° \approx 46'58 | 1.71254 AU |
| asc. node | -12631 Nov 19 j 05:32 | 9° $\underline{\delta}$ 20'20 | | | | | |
| retrograde | -12631 Nov 29 j 21:50 | 11° $\underline{\delta}$ 27'38 | | superior conj | -12628 May 10 j 04:14 | 17° \approx 54'16 | 0°10'11 |
| evening set | -12631 Dec 15 j 23:03 | 6° $\underline{\delta}$ 25'04 | | minimum elong | -12628 May 10 j 02:13 | 17° \approx 47'52 | 0°09'33 |
| inferior conj | -12631 Dec 21 j 07:10 | 3° $\underline{\delta}$ 06'04 | 6°18'51 | behind sun begin | -12628 May 09 j 07:04 | 16° \approx 47'33 | |
| minimum elong | -12631 Dec 20 j 22:36 | 3° $\underline{\delta}$ 19'48 | 6°17'19 | behind sun end | -12628 May 10 j 21:21 | 18° \approx 48'12 | |
| min. Earth dist. | -12631 Dec 21 j 06:55 | 3° $\underline{\delta}$ 06'28 | 0.29492 AU | | -12628 May 19 j 18:25 | 0° \times | |
| morning rise | -12631 Dec 25 j 22:11 | 0° $\underline{\delta}$ 11'36 | | | -12628 Jun 12 j 13:04 | 0° γ | |
| | -12631 Dec 26 j 05:57 | 30° \times \cap | | evening rise | -12628 Jun 17 j 16:32 | 6° γ 29'10 | |
| direct | -12630 Jan 12 j 04:06 | 24° \cap 32'58 | | | -12628 Jul 06 j 09:04 | 0° δ | |
| greatest brilliancy | -12630 Jan 21 j 16:30 | 26° \cap 10'12 | -4.7m | | -12628 Jul 30 j 08:33 | 0° \cap | |
| | -12630 Jan 30 j 07:24 | 0° $\underline{\delta}$ | | | -12628 Aug 23 j 13:15 | 0° δ | |
| morning max el | -12630 Mar 02 j 03:16 | 24° $\underline{\delta}$ 14'10 | 46°09'48 | desc. node | -12628 Aug 27 j 10:43 | 4° δ 47'48 | |
| | -12630 Mar 08 j 01:30 | 0° \cap | | | -12628 Sep 17 j 00:46 | 0° \cap | |
| desc. node | -12630 Mar 13 j 00:54 | 5° \cap 00'31 | | | -12628 Oct 11 j 21:38 | 0° \cap | |
| | -12630 Apr 05 j 07:01 | 0° \times | | | -12628 Nov 06 j 10:30 | 0° $\underline{\delta}$ | |
| | -12630 May 01 j 05:38 | 0° δ | | | -12628 Dec 03 j 09:32 | 0° \cap | |
| | -12630 May 26 j 00:50 | 0° \approx | | asc. node | -12628 Dec 16 j 15:25 | 13° \cap 37'52 | |
| | -12630 Jun 19 j 04:52 | 0° \times | | evening max el | -12628 Dec 21 j 10:22 | 18° \cap 17'14 | 44°48'11 |
| asc. node | -12630 Jul 01 j 20:57 | 15° \times 54'15 | | | -12627 Jan 03 j 12:35 | 0° \times | |
| | -12630 Jul 13 j 01:26 | 0° γ | | greatest brilliancy | -12627 Jan 27 j 23:30 | 15° \times 14'10 | -4.7m |
| | -12630 Aug 05 j 20:08 | 0° δ | | retrograde | -12627 Feb 07 j 09:20 | 17° \times 08'42 | |
| | -12630 Aug 29 j 17:06 | 0° \cap | | evening set | -12627 Feb 24 j 12:08 | 11° \times 44'32 | |
| morning set | -12630 Sep 02 j 04:52 | 4° \cap 22'08 | | inferior conj | -12627 Feb 28 j 16:10 | 9° \times 15'36 | 7°23'03 |
| | -12630 Sep 22 j 18:35 | 0° δ | | minimum elong | -12627 Feb 28 j 23:29 | 9° \times 04'27 | 7°21'24 |
| | | | | min. Earth dist. | -12627 Mar 01 j 23:21 | 8° \times 28'09 | 0.28672 AU |
| superior conj | -12630 Oct 14 j 12:25 | 26° δ 53'49 | 0°19'45 | morning rise | -12627 Mar 05 j 10:19 | 6° \times 25'11 | |
| minimum elong | -12630 Oct 14 j 17:33 | 27° δ 09'38 | 0°20'13 | direct | -12627 Mar 22 j 13:00 | 0° \times 59'39 | |
| | -12630 Oct 17 j 00:50 | 0° \cap | | greatest brilliancy | -12627 Apr 03 j 01:14 | 3° \times 21'45 | -4.8m |
| max. Earth dist. | -12630 Oct 18 j 23:57 | 2° \cap 25'05 | 1.72904 AU | desc. node | -12627 Apr 09 j 12:30 | 6° \times 26'48 | |
| desc. node | -12630 Oct 23 j 08:49 | 7° \cap 47'49 | | | -12627 May 08 j 23:02 | 0° δ | |
| | -12630 Nov 10 j 10:27 | 0° \cap | | morning max el | -12627 May 11 j 16:07 | 2° δ 39'59 | 46°32'30 |
| evening rise | -12630 Nov 23 j 17:16 | 16° \cap 17'32 | | | -12627 Jun 06 j 04:41 | 0° \approx | |
| | -12630 Dec 04 j 21:39 | 0° $\underline{\delta}$ | | | -12627 Jul 01 j 20:27 | 0° \times | |
| | -12630 Dec 29 j 09:57 | 0° \cap | | | -12627 Jul 26 j 11:36 | 0° γ | |
| | -12629 Jan 23 j 00:56 | 0° \times | | asc. node | -12627 Jul 29 j 11:06 | 3° γ 40'26 | |
| asc. node | -12629 Feb 11 j 09:08 | 23° \times 22'22 | | | -12627 Aug 19 j 16:54 | 0° δ | |
| | -12629 Feb 16 j 21:40 | 0° δ | | | -12627 Sep 12 j 20:34 | 0° \cap | |
| | -12629 Mar 14 j 03:48 | 0° \approx | | | -12627 Oct 07 j 03:06 | 0° δ | |
| | -12629 Apr 09 j 00:28 | 0° \times | | | -12627 Oct 31 j 13:45 | 0° \cap | |
| | -12629 May 06 j 00:53 | 0° γ | | morning set | -12627 Nov 17 j 00:58 | 20° \cap 07'29 | |
| evening max el | -12629 May 20 j 06:24 | 14° γ 46'09 | 47°35'54 | desc. node | -12627 Nov 19 j 22:26 | 23° \cap 39'33 | |
| desc. node | -12629 Jun 05 j 06:56 | 29° γ 48'26 | | | -12627 Nov 25 j 03:02 | 0° \cap | |
| | -12629 Jun 05 j 12:19 | 0° δ | | | -12627 Dec 19 j 16:11 | 0° $\underline{\delta}$ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| max. Earth dist. | -12627 Dec 23 j 02:55 | 4°♄13'15 | 1.73851 AU | minimum elong | -12624 May 12 j 23:03 | 20°♁55'27 | 1°29'22 |
| | | | | min. Earth dist. | -12624 May 13 j 07:41 | 20°♁42'43 | 0.26537 AU |
| superior conj | -12627 Dec 25 j 11:54 | 7°♄07'47 | -1°07'18 | morning rise | -12624 May 19 j 05:36 | 17°♁22'16 | |
| minimum elong | -12627 Dec 25 j 04:14 | 6°♄44'17 | 1°07'11 | direct | -12624 Jun 02 j 18:43 | 13°♁19'32 | |
| | -12626 Jan 13 j 03:11 | 0°♄ | | greatest brilliancy | -12624 Jun 14 j 00:26 | 15°♁39'13 | -4.9m |
| evening rise | -12626 Jan 30 j 00:51 | 20°♄48'22 | | | -12624 Jul 05 j 22:29 | 0°♁ | |
| greatest brilliancy | -12626 Feb 02 j 03:43 | 24°♄38'58 | -3.9m | morning max el | -12624 Jul 23 j 07:56 | 16°♁25'21 | 46°38'18 |
| | -12626 Feb 06 j 11:55 | 0°♁ | | | -12624 Aug 05 j 03:24 | 0°♁ | |
| | -12626 Mar 02 j 19:56 | 0°♁ | | asc. node | -12624 Aug 26 j 00:21 | 23°♁37'05 | |
| asc. node | -12626 Mar 10 j 20:09 | 9°♁51'47 | | | -12624 Aug 31 j 11:38 | 0°♁ | |
| | -12626 Mar 27 j 05:12 | 0°♁ | | | -12624 Sep 25 j 17:49 | 0°♁ | |
| | -12626 Apr 20 j 17:19 | 0°♁ | | | -12624 Oct 20 j 16:48 | 0°♁ | |
| | -12626 May 15 j 10:01 | 0°♁ | | | -12624 Nov 14 j 15:12 | 0°♁ | |
| | -12626 Jun 09 j 11:19 | 0°♁ | | | -12624 Dec 09 j 13:33 | 0°♁ | |
| desc. node | -12626 Jul 02 j 16:35 | 27°♁02'21 | | desc. node | -12624 Dec 17 j 12:41 | 9°♁36'07 | |
| | -12626 Jul 05 j 07:07 | 0°♁ | | | -12623 Jan 03 j 09:27 | 0°♁ | |
| evening max el | -12626 Jul 30 j 21:24 | 27°♁46'09 | 47°35'39 | morning set | -12623 Jan 25 j 11:28 | 26°♁53'45 | |
| | -12626 Aug 02 j 02:11 | 0°♁ | | | -12623 Jan 28 j 00:20 | 0°♁ | |
| greatest brilliancy | -12626 Sep 09 j 18:24 | 29°♁48'00 | -4.9m | | -12623 Feb 21 j 09:20 | 0°♁ | |
| | -12626 Sep 10 j 07:17 | 0°♁ | | max. Earth dist. | -12623 Feb 24 j 19:29 | 4°♁14'07 | 1.73017 AU |
| retrograde | -12626 Sep 20 j 02:25 | 1°♁51'52 | | | | | |
| | -12626 Sep 29 j 10:32 | 30°♁ | | superior conj | -12623 Mar 01 j 14:38 | 10°♁10'45 | -1°09'51 |
| evening set | -12626 Oct 05 j 08:17 | 27°♁03'30 | | minimum elong | -12623 Mar 01 j 21:07 | 10°♁30'52 | 1°10'27 |
| min. Earth dist. | -12626 Oct 10 j 14:02 | 23°♁46'46 | 0.28149 AU | | -12623 Mar 17 j 13:31 | 0°♁ | |
| inferior conj | -12626 Oct 11 j 01:25 | 23°♁28'19 | -2°31'39 | evening rise | -12623 Apr 05 j 19:06 | 23°♁58'42 | |
| minimum elong | -12626 Oct 11 j 06:25 | 23°♁20'13 | 2°29'29 | asc. node | -12623 Apr 07 j 08:14 | 25°♁54'36 | |
| morning rise | -12626 Oct 17 j 05:26 | 19°♁39'54 | | | -12623 Apr 10 j 14:52 | 0°♁ | |
| asc. node | -12626 Oct 21 j 21:26 | 17°♁22'23 | | | -12623 May 04 j 15:19 | 0°♁ | |
| direct | -12626 Oct 31 j 22:39 | 15°♁16'38 | | | -12623 May 28 j 16:35 | 0°♁ | |
| greatest brilliancy | -12626 Nov 10 j 00:18 | 16°♁50'17 | -4.8m | | -12623 Jun 21 j 20:35 | 0°♁ | |
| | -12626 Dec 02 j 04:19 | 0°♁ | | | -12623 Jul 16 j 06:04 | 0°♁ | |
| morning max el | -12626 Dec 19 j 21:44 | 15°♁37'31 | 46°01'35 | desc. node | -12623 Jul 30 j 02:20 | 16°♁49'50 | |
| | -12625 Jan 03 j 08:49 | 0°♁ | | | -12623 Aug 10 j 01:11 | 0°♁ | |
| | -12625 Jan 31 j 06:26 | 0°♁ | | | -12623 Sep 04 j 13:51 | 0°♁ | |
| desc. node | -12625 Feb 12 j 14:17 | 13°♁53'27 | | | -12623 Oct 01 j 17:21 | 0°♁ | |
| | -12625 Feb 26 j 13:52 | 0°♁ | | evening max el | -12623 Oct 09 j 07:48 | 7°♁46'48 | 45°50'07 |
| | -12625 Mar 23 j 21:29 | 0°♁ | | | -12623 Nov 03 j 20:34 | 0°♁ | |
| | -12625 Apr 17 j 12:04 | 0°♁ | | greatest brilliancy | -12623 Nov 16 j 07:47 | 6°♁58'19 | -4.7m |
| | -12625 May 11 j 14:55 | 0°♁ | | asc. node | -12623 Nov 18 j 07:57 | 7°♁42'53 | |
| greatest brilliancy | -12625 Jun 02 j 07:48 | 27°♁19'06 | -3.9m | retrograde | -12623 Nov 27 j 15:26 | 9°♁21'21 | |
| asc. node | -12625 Jun 03 j 08:54 | 28°♁38'23 | | evening set | -12623 Dec 13 j 14:23 | 4°♁21'21 | |
| | -12625 Jun 04 j 10:44 | 0°♁ | | inferior conj | -12623 Dec 19 j 00:44 | 0°♁59'10 | 6°07'15 |
| morning set | -12625 Jun 14 j 01:38 | 12°♁10'23 | | minimum elong | -12623 Dec 18 j 16:05 | 1°♁13'04 | 6°05'40 |
| | -12625 Jun 28 j 03:29 | 0°♁ | | min. Earth dist. | -12623 Dec 18 j 23:45 | 1°♁00'46 | 0.29472 AU |
| | -12625 Jul 21 j 20:37 | 0°♁ | | | -12623 Dec 20 j 13:40 | 30°♁ | |
| | | | | morning rise | -12623 Dec 23 j 17:48 | 28°♁01'37 | |
| superior conj | -12625 Jul 24 j 20:30 | 3°♁46'44 | 1°22'19 | direct | -12622 Jan 09 j 20:35 | 22°♁26'07 | |
| minimum elong | -12625 Jul 24 j 17:20 | 3°♁36'46 | 1°22'44 | greatest brilliancy | -12622 Jan 19 j 08:59 | 24°♁03'21 | -4.7m |
| max. Earth dist. | -12625 Jul 31 j 02:57 | 11°♁40'47 | 1.70939 AU | | -12622 Jan 31 j 14:40 | 0°♁ | |
| | -12625 Aug 14 j 16:51 | 0°♁ | | morning max el | -12622 Feb 27 j 19:23 | 22°♁04'59 | 46°09'14 |
| evening rise | -12625 Sep 06 j 05:09 | 28°♁06'05 | | | -12622 Mar 07 j 21:34 | 0°♁ | |
| | -12625 Sep 07 j 17:49 | 0°♁ | | desc. node | -12622 Mar 12 j 03:04 | 4°♁17'51 | |
| desc. node | -12625 Sep 24 j 22:20 | 21°♁17'21 | | | -12622 Apr 04 j 22:08 | 0°♁ | |
| | -12625 Oct 01 j 23:49 | 0°♁ | | | -12622 Apr 30 j 18:52 | 0°♁ | |
| | -12625 Oct 26 j 10:26 | 0°♁ | | | -12622 May 25 j 13:09 | 0°♁ | |
| | -12625 Nov 20 j 01:59 | 0°♁ | | | -12622 Jun 18 j 16:41 | 0°♁ | |
| | -12625 Dec 15 j 01:24 | 0°♁ | | asc. node | -12622 Jun 30 j 23:11 | 15°♁24'33 | |
| | -12624 Jan 09 j 15:34 | 0°♁ | | | -12622 Jul 12 j 12:59 | 0°♁ | |
| asc. node | -12624 Jan 14 j 01:09 | 5°♁02'53 | | | -12622 Aug 05 j 07:33 | 0°♁ | |
| | -12624 Feb 05 j 09:48 | 0°♁ | | | -12622 Aug 29 j 04:25 | 0°♁ | |
| evening max el | -12624 Mar 04 j 03:00 | 28°♁25'49 | 45°43'20 | morning set | -12622 Aug 30 j 14:08 | 1°♁45'34 | |
| | -12624 Mar 05 j 18:52 | 0°♁ | | | -12622 Sep 22 j 05:49 | 0°♁ | |
| greatest brilliancy | -12624 Apr 12 j 12:20 | 26°♁37'39 | -4.8m | | | | |
| retrograde | -12624 Apr 22 j 06:27 | 28°♁19'19 | | superior conj | -12622 Oct 11 j 23:10 | 24°♁24'34 | 0°23'18 |
| evening set | -12624 May 06 j 15:53 | 24°♁27'13 | | minimum elong | -12622 Oct 12 j 05:11 | 24°♁43'07 | 0°23'47 |
| desc. node | -12624 May 06 j 23:18 | 24°♁17'45 | | | -12622 Oct 16 j 11:59 | 0°♁ | |
| inferior conj | -12624 May 13 j 02:28 | 20°♁50'24 | -1°29'53 | max. Earth dist. | -12622 Oct 16 j 14:20 | 0°♁07'13 | 1.72843 AU |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| desc. node | -12622 Oct 22 j 11:02 | 7°Ω20'23 | | direct | -12619 Mar 20 j 05:30 | 28°Ⅲ47'14 | |
| | -12622 Nov 09 j 21:33 | 0°Ⅲ | | | -12619 Mar 28 j 08:33 | 0°Ⅹ | |
| evening rise | -12622 Nov 21 j 08:47 | 14°Ⅲ03'59 | | greatest brilliancy | -12619 Mar 31 j 15:05 | 1°Ⅹ06'43 | -4.8m |
| | -12622 Dec 04 j 08:46 | 0°♄ | | desc. node | -12619 Apr 08 j 14:47 | 5°Ⅹ02'55 | |
| | -12622 Dec 28 j 21:13 | 0°Ⅲ | | | -12619 May 08 j 22:01 | 0°Ⅲ | |
| | -12621 Jan 22 j 12:33 | 0°Ⅹ | | morning max el | -12619 May 09 j 07:22 | 0°Ⅲ23'10 | 46°31'40 |
| asc. node | -12621 Feb 10 j 11:21 | 22°Ⅹ52'39 | | | -12619 Jun 05 j 20:57 | 0°≈ | |
| | -12621 Feb 16 j 09:58 | 0°Ⅲ | | | -12619 Jul 01 j 10:24 | 0°Ⅹ | |
| | -12621 Mar 13 j 17:15 | 0°≈ | | | -12619 Jul 26 j 00:25 | 0°Ⅳ | |
| | -12621 Apr 08 j 15:57 | 0°Ⅹ | | asc. node | -12619 Jul 28 j 13:07 | 3°Ⅳ07'23 | |
| | -12621 May 05 j 20:35 | 0°Ⅳ | | | -12619 Aug 19 j 05:04 | 0°Ⅲ | |
| evening max el | -12621 May 17 j 19:53 | 12°Ⅳ20'45 | 47°33'21 | | -12619 Sep 12 j 08:17 | 0°Ⅱ | |
| desc. node | -12621 Jun 04 j 09:20 | 28°Ⅳ40'13 | | | -12619 Oct 06 j 14:30 | 0°♄ | |
| | -12621 Jun 05 j 23:40 | 0°Ⅲ | | | -12619 Oct 31 j 00:54 | 0°Ω | |
| greatest brilliancy | -12621 Jun 28 j 09:35 | 13°Ⅲ51'18 | -4.9m | morning set | -12619 Nov 14 j 15:17 | 17°Ω51'02 | |
| retrograde | -12621 Jul 07 j 18:03 | 15°Ⅲ32'17 | | desc. node | -12619 Nov 19 j 00:40 | 23°Ω12'50 | |
| evening set | -12621 Jul 25 j 11:19 | 9°Ⅲ28'14 | | | -12619 Nov 24 j 14:00 | 0°Ⅲ | |
| min. Earth dist. | -12621 Jul 27 j 16:47 | 8°Ⅲ06'34 | 0.26758 AU | | -12619 Dec 19 j 03:02 | 0°♄ | |
| inferior conj | -12621 Jul 28 j 12:57 | 7°Ⅲ35'24 | -8°45'17 | max. Earth dist. | -12619 Dec 21 j 02:11 | 2°♄24'22 | 1.73851 AU |
| minimum elong | -12621 Jul 28 j 12:34 | 7°Ⅲ35'59 | 8°44'48 | | | | |
| morning rise | -12621 Jul 31 j 13:58 | 5°Ⅲ43'56 | | superior conj | -12619 Dec 23 j 05:46 | 5°♄02'17 | -1°05'36 |
| | -12621 Aug 16 j 17:23 | 30°ⅣⅣ | | minimum elong | -12619 Dec 22 j 21:49 | 4°♄37'58 | 1°05'26 |
| direct | -12621 Aug 17 j 15:48 | 29°Ⅳ58'55 | | | -12618 Jan 12 j 13:59 | 0°Ⅲ | |
| | -12621 Aug 18 j 14:19 | 0°Ⅲ | | evening rise | -12618 Jan 27 j 20:45 | 18°Ⅲ48'21 | |
| greatest brilliancy | -12621 Aug 27 j 07:16 | 1°Ⅲ46'32 | -4.9m | greatest brilliancy | -12618 Jan 31 j 22:09 | 23°Ⅲ48'19 | -3.9m |
| asc. node | -12621 Sep 23 j 12:34 | 20°Ⅲ04'49 | | | -12618 Feb 05 j 22:49 | 0°Ⅹ | |
| | -12621 Oct 04 j 01:34 | 0°Ⅱ | | | -12618 Mar 02 j 07:06 | 0°Ⅲ | |
| morning max el | -12621 Oct 06 j 16:18 | 2°Ⅱ35'37 | 46°18'36 | asc. node | -12618 Mar 09 j 22:25 | 9°Ⅲ24'06 | |
| | -12621 Nov 01 j 12:05 | 0°♄ | | | -12618 Mar 26 j 16:47 | 0°≈ | |
| | -12621 Nov 28 j 02:34 | 0°Ω | | | -12618 Apr 20 j 05:29 | 0°Ⅹ | |
| | -12621 Dec 24 j 01:01 | 0°Ⅲ | | | -12618 May 14 j 23:01 | 0°Ⅳ | |
| desc. node | -12620 Jan 15 j 02:43 | 25°Ⅲ56'23 | | | -12618 Jun 09 j 01:35 | 0°Ⅲ | |
| | -12620 Jan 18 j 12:54 | 0°♄ | | desc. node | -12618 Jul 01 j 18:43 | 26°Ⅲ22'10 | |
| | -12620 Feb 12 j 14:12 | 0°Ⅲ | | | -12618 Jul 04 j 23:45 | 0°Ⅱ | |
| | -12620 Mar 08 j 04:55 | 0°Ⅹ | | evening max el | -12618 Jul 28 j 13:41 | 25°Ⅱ29'18 | 47°38'09 |
| | -12620 Apr 01 j 10:33 | 0°Ⅲ | | | -12618 Aug 02 j 01:17 | 0°♄ | |
| morning set | -12620 Apr 01 j 18:18 | 0°Ⅲ24'08 | | greatest brilliancy | -12618 Sep 07 j 12:22 | 27°♄33'22 | -4.9m |
| | -12620 Apr 25 j 09:46 | 0°≈ | | retrograde | -12618 Sep 17 j 18:47 | 29°♄35'26 | |
| asc. node | -12620 May 04 j 21:18 | 11°≈55'22 | | evening set | -12618 Oct 03 j 02:24 | 24°♄45'07 | |
| max. Earth dist. | -12620 May 05 j 05:03 | 12°≈19'46 | 1.71305 AU | inferior conj | -12618 Oct 08 j 17:34 | 21°♄12'35 | -2°51'05 |
| | | | | minimum elong | -12618 Oct 08 j 23:09 | 21°♄03'32 | 2°48'46 |
| superior conj | -12620 May 07 j 20:12 | 15°≈38'36 | 0°06'53 | min. Earth dist. | -12618 Oct 08 j 06:06 | 21°♄31'11 | 0.28091 AU |
| minimum elong | -12620 May 07 j 18:52 | 15°≈34'25 | 0°06'16 | morning rise | -12618 Oct 14 j 20:47 | 17°♄25'12 | |
| behind sun begin | -12620 May 06 j 21:08 | 14°≈25'59 | | asc. node | -12618 Oct 20 j 23:46 | 14°♄34'16 | |
| behind sun end | -12620 May 08 j 16:36 | 16°≈42'52 | | direct | -12618 Oct 29 j 14:11 | 13°♄02'18 | |
| | -12620 May 19 j 05:29 | 0°Ⅹ | | greatest brilliancy | -12618 Nov 07 j 15:38 | 14°♄35'45 | -4.8m |
| | -12620 Jun 12 j 00:16 | 0°Ⅳ | | | -12618 Dec 02 j 13:26 | 0°Ω | |
| evening rise | -12620 Jun 15 j 04:38 | 4°Ⅳ00'43 | | morning max el | -12618 Dec 17 j 12:49 | 13°Ω25'11 | 46°01'41 |
| | -12620 Jul 05 j 20:24 | 0°Ⅲ | | | -12617 Jan 03 j 02:53 | 0°Ⅲ | |
| | -12620 Jul 29 j 20:00 | 0°Ⅱ | | | -12617 Jan 30 j 20:44 | 0°♄ | |
| | -12620 Aug 23 j 00:54 | 0°♄ | | desc. node | -12617 Feb 11 j 16:28 | 13°♄21'21 | |
| desc. node | -12620 Aug 26 j 12:58 | 4°♄18'48 | | | -12617 Feb 26 j 02:34 | 0°Ⅲ | |
| | -12620 Sep 16 j 12:45 | 0°Ω | | | -12617 Mar 23 j 09:22 | 0°Ⅹ | |
| | -12620 Oct 11 j 10:16 | 0°Ⅲ | | | -12617 Apr 16 j 23:31 | 0°Ⅲ | |
| | -12620 Nov 06 j 00:31 | 0°♄ | | | -12617 May 11 j 02:10 | 0°≈ | |
| | -12620 Dec 03 j 02:59 | 0°Ⅲ | | greatest brilliancy | -12617 Jun 01 j 14:54 | 27°≈06'16 | -3.9m |
| asc. node | -12620 Dec 15 j 17:43 | 12°Ⅲ52'05 | | asc. node | -12617 Jun 02 j 11:05 | 28°≈10'04 | |
| evening max el | -12620 Dec 19 j 02:26 | 16°Ⅲ07'24 | 44°48'18 | | -12617 Jun 03 j 21:53 | 0°Ⅹ | |
| | -12619 Jan 03 j 20:32 | 0°Ⅹ | | morning set | -12617 Jun 11 j 14:24 | 9°Ⅹ43'35 | |
| greatest brilliancy | -12619 Jan 25 j 13:39 | 13°Ⅹ03'17 | -4.7m | | -12617 Jun 27 j 14:38 | 0°Ⅳ | |
| retrograde | -12619 Feb 05 j 00:33 | 14°Ⅹ58'27 | | | -12617 Jul 21 j 07:47 | 0°Ⅲ | |
| evening set | -12619 Feb 22 j 05:22 | 9°Ⅹ31'10 | | | | | |
| inferior conj | -12619 Feb 26 j 07:34 | 7°Ⅹ04'16 | 7°30'46 | superior conj | -12617 Jul 22 j 05:38 | 1°Ⅲ08'54 | 1°21'43 |
| minimum elong | -12619 Feb 26 j 14:23 | 6°Ⅹ53'51 | 7°29'18 | minimum elong | -12617 Jul 22 j 01:27 | 0°Ⅲ55'43 | 1°22'06 |
| min. Earth dist. | -12619 Feb 27 j 13:51 | 6°Ⅹ18'02 | 0.28742 AU | max. Earth dist. | -12617 Jul 28 j 03:46 | 8°Ⅲ36'59 | 1.70897 AU |
| morning rise | -12619 Mar 02 j 22:58 | 4°Ⅹ17'18 | | | -12617 Aug 14 j 04:04 | 0°Ⅱ | |
| | -12619 Mar 12 j 08:17 | 30°ⅣⅢ | | evening rise | -12617 Sep 03 j 12:11 | 25°Ⅱ23'42 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12617 Sep 07 j 05:04 | 0°☿ | | desc. node | -12614 Mar 11 j 05:20 | 3°♊36'10 | |
| desc. node | -12617 Sep 24 j 00:37 | 20°☿49'37 | | | -12614 Apr 04 j 13:00 | 0°♊ | |
| | -12617 Oct 01 j 11:06 | 0°♊ | | | -12614 Apr 30 j 08:00 | 0°♊ | |
| | -12617 Oct 25 j 21:49 | 0°♊ | | | -12614 May 25 j 01:28 | 0°♊ | |
| | -12617 Nov 19 j 13:39 | 0°♊ | | | -12614 Jun 18 j 04:35 | 0°♊ | |
| | -12617 Dec 14 j 13:43 | 0°♊ | | asc. node | -12614 Jun 30 j 01:14 | 14°♊53'57 | |
| | -12616 Jan 09 j 05:16 | 0°♊ | | | -12614 Jul 12 j 00:39 | 0°♊ | |
| asc. node | -12616 Jan 13 j 03:20 | 4°♊29'08 | | | -12614 Aug 04 j 19:05 | 0°♊ | |
| | -12616 Feb 05 j 02:32 | 0°♊ | | morning set | -12614 Aug 27 j 23:13 | 29°♊08'00 | |
| evening max el | -12616 Mar 01 j 15:01 | 26°♊02'43 | 45°39'38 | | -12614 Aug 28 j 15:49 | 0°♊ | |
| | -12616 Mar 05 j 20:35 | 0°♊ | | | -12614 Sep 21 j 17:06 | 0°☿ | |
| greatest brilliancy | -12616 Apr 10 j 00:19 | 24°♊11'52 | -4.8m | | | | |
| retrograde | -12616 Apr 19 j 17:24 | 25°♊52'59 | | superior conj | -12614 Oct 09 j 09:38 | 21°☿54'10 | 0°26'52 |
| evening set | -12616 May 04 j 03:31 | 22°♊00'39 | | minimum elong | -12614 Oct 09 j 16:31 | 22°☿15'24 | 0°27'18 |
| desc. node | -12616 May 06 j 01:35 | 21°♊00'01 | | max. Earth dist. | -12614 Oct 14 j 05:09 | 27°☿50'28 | 1.72780 AU |
| inferior conj | -12616 May 10 j 14:14 | 18°♊24'10 | -1°06'26 | | -12614 Oct 15 j 23:11 | 0°♊ | |
| minimum elong | -12616 May 10 j 11:41 | 18°♊27'56 | 1°06'11 | desc. node | -12614 Oct 21 j 13:13 | 6°♊52'44 | |
| min. Earth dist. | -12616 May 10 j 21:42 | 18°♊13'11 | 0.26582 AU | | -12614 Nov 09 j 08:42 | 0°♊ | |
| morning rise | -12616 May 16 j 19:04 | 14°♊53'41 | | evening rise | -12614 Nov 19 j 00:16 | 11°♊50'10 | |
| direct | -12616 May 31 j 06:46 | 10°♊51'58 | | | -12614 Dec 03 j 19:57 | 0°♊ | |
| greatest brilliancy | -12616 Jun 11 j 15:24 | 13°♊13'59 | -4.9m | | -12614 Dec 28 j 08:33 | 0°♊ | |
| | -12616 Jul 06 j 07:36 | 0°♊ | | | -12613 Jan 22 j 00:16 | 0°♊ | |
| morning max el | -12616 Jul 20 j 19:56 | 13°♊54'33 | 46°38'44 | asc. node | -12613 Feb 09 j 13:45 | 22°♊23'15 | |
| | -12616 Aug 04 j 22:19 | 0°♊ | | | -12613 Feb 15 j 22:21 | 0°♊ | |
| asc. node | -12616 Aug 25 j 02:41 | 22°♊58'03 | | | -12613 Mar 13 j 06:52 | 0°♊ | |
| | -12616 Aug 31 j 02:48 | 0°♊ | | | -12613 Apr 08 j 07:44 | 0°♊ | |
| | -12616 Sep 25 j 07:18 | 0°♊ | | | -12613 May 05 j 17:01 | 0°♊ | |
| | -12616 Oct 20 j 05:19 | 0°☿ | | evening max el | -12613 May 15 j 10:05 | 9°♊56'45 | 47°30'24 |
| | -12616 Nov 14 j 03:04 | 0°♊ | | desc. node | -12613 Jun 03 j 11:27 | 27°♊28'37 | |
| | -12616 Dec 09 j 00:57 | 0°♊ | | | -12613 Jun 06 j 15:08 | 0°♊ | |
| desc. node | -12616 Dec 16 j 14:41 | 9°♊08'05 | | greatest brilliancy | -12613 Jun 25 j 21:16 | 11°♊19'20 | -4.9m |
| | -12615 Jan 02 j 20:31 | 0°♊ | | retrograde | -12613 Jul 05 j 07:20 | 13°♊01'20 | |
| morning set | -12615 Jan 23 j 06:15 | 24°♊51'05 | | evening set | -12613 Jul 22 j 22:25 | 7°♊00'05 | |
| | -12615 Jan 27 j 11:12 | 0°♊ | | min. Earth dist. | -12613 Jul 25 j 04:35 | 5°♊37'36 | 0.26721 AU |
| | -12615 Feb 20 j 20:10 | 0°♊ | | inferior conj | -12613 Jul 26 j 01:29 | 5°♊05'25 | -8°44'17 |
| max. Earth dist. | -12615 Feb 22 j 17:05 | 2°♊18'55 | 1.73073 AU | minimum elong | -12613 Jul 26 j 00:12 | 5°♊07'24 | 8°43'49 |
| | | | | morning rise | -12613 Jul 29 j 02:09 | 3°♊14'57 | |
| superior conj | -12615 Feb 27 j 10:43 | 8°♊10'42 | -1°11'13 | | -12613 Aug 04 j 05:39 | 30°♊ | |
| minimum elong | -12615 Feb 27 j 16:55 | 8°♊29'54 | 1°11'50 | direct | -12613 Aug 15 j 04:45 | 27°♊30'03 | |
| | -12615 Mar 17 j 00:26 | 0°♊ | | greatest brilliancy | -12613 Aug 24 j 19:50 | 29°♊17'46 | -4.9m |
| evening rise | -12615 Apr 03 j 13:57 | 21°♊53'21 | | | -12613 Aug 26 j 15:39 | 0°♊ | |
| asc. node | -12615 Apr 06 j 10:33 | 25°♊27'21 | | asc. node | -12613 Sep 22 j 14:51 | 19°♊01'51 | |
| | -12615 Apr 10 j 01:58 | 0°♊ | | | -12613 Oct 04 j 01:23 | 0°♊ | |
| | -12615 May 04 j 02:41 | 0°♊ | | morning max el | -12613 Oct 04 j 06:41 | 0°♊13'17 | 46°19'28 |
| | -12615 May 28 j 04:16 | 0°♊ | | | -12613 Nov 01 j 04:51 | 0°☿ | |
| | -12615 Jun 21 j 08:40 | 0°♊ | | | -12613 Nov 27 j 16:41 | 0°♊ | |
| | -12615 Jul 15 j 18:40 | 0°♊ | | | -12613 Dec 23 j 13:48 | 0°♊ | |
| desc. node | -12615 Jul 29 j 04:37 | 16°♊17'28 | | desc. node | -12612 Jan 14 j 04:51 | 25°♊26'57 | |
| | -12615 Aug 09 j 14:37 | 0°☿ | | | -12612 Jan 18 j 00:53 | 0°♊ | |
| | -12615 Sep 04 j 04:55 | 0°♊ | | | -12612 Feb 12 j 01:43 | 0°♊ | |
| | -12615 Oct 01 j 12:41 | 0°♊ | | | -12612 Mar 07 j 16:08 | 0°♊ | |
| evening max el | -12615 Oct 06 j 23:16 | 5°♊32'16 | 45°53'51 | morning set | -12612 Mar 30 j 13:28 | 28°♊19'48 | |
| | -12615 Nov 04 j 18:53 | 0°♊ | | | -12612 Mar 31 j 21:39 | 0°♊ | |
| greatest brilliancy | -12615 Nov 14 j 01:13 | 4°♊51'13 | -4.7m | | -12612 Apr 24 j 20:53 | 0°♊ | |
| asc. node | -12615 Nov 17 j 10:17 | 6°♊02'09 | | max. Earth dist. | -12612 May 02 j 16:25 | 9°♊49'26 | 1.71357 AU |
| retrograde | -12615 Nov 25 j 09:40 | 7°♊15'23 | | asc. node | -12612 May 03 j 23:30 | 11°♊27'16 | |
| evening set | -12615 Dec 11 j 05:52 | 2°♊17'46 | | | | | |
| | -12615 Dec 15 j 00:05 | 30°♊ | | superior conj | -12612 May 05 j 12:44 | 13°♊24'26 | 0°03'38 |
| inferior conj | -12615 Dec 16 j 18:21 | 28°♊52'27 | 5°55'12 | minimum elong | -12612 May 05 j 12:06 | 13°♊22'26 | 0°03'01 |
| minimum elong | -12615 Dec 16 j 09:39 | 29°♊06'24 | 5°53'33 | behind sun begin | -12612 May 04 j 13:11 | 12°♊10'18 | |
| min. Earth dist. | -12615 Dec 16 j 16:22 | 28°♊55'39 | 0.29449 AU | behind sun end | -12612 May 06 j 11:01 | 14°♊34'36 | |
| morning rise | -12615 Dec 21 j 13:31 | 25°♊51'54 | | | -12612 May 18 j 16:43 | 0°♊ | |
| direct | -12614 Jan 07 j 13:25 | 20°♊19'30 | | | -12612 Jun 11 j 11:39 | 0°♊ | |
| greatest brilliancy | -12614 Jan 17 j 01:00 | 21°♊56'23 | -4.7m | evening rise | -12612 Jun 12 j 17:13 | 1°♊33'11 | |
| | -12614 Feb 01 j 13:07 | 0°♊ | | | -12612 Jul 05 j 07:58 | 0°♊ | |
| morning max el | -12614 Feb 25 j 12:25 | 19°♊58'22 | 46°08'40 | | -12612 Jul 29 j 07:45 | 0°♊ | |
| | -12614 Mar 07 j 16:57 | 0°♊ | | | -12612 Aug 22 j 12:53 | 0°☿ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|--|
| desc. node | -12612 Aug 25 j 15:17 | 3°☾48'59 | | | -12609 Feb 25 j 15:29 | 0°♍ | | |
| | -12612 Sep 16 j 01:05 | 0°♌ | | | -12609 Mar 22 j 21:29 | 0°♈ | | |
| | -12612 Oct 10 j 23:17 | 0°♎ | | | -12609 Apr 16 j 11:13 | 0°♈ | | |
| | -12612 Nov 05 j 14:57 | 0°♊ | | | -12609 May 10 j 13:41 | 0°♊ | | |
| | -12612 Dec 02 j 21:06 | 0°♍ | | greatest brilliancy | -12609 May 31 j 22:56 | 26°≈55'31 | -3.9m | |
| asc. node | -12612 Dec 14 j 19:57 | 12°♍04'40 | | asc. node | -12609 Jun 01 j 13:12 | 27°≈40'34 | | |
| evening max el | -12612 Dec 16 j 18:08 | 13°♍56'00 | 44°48'36 | | -12609 Jun 03 j 09:20 | 0°♈ | | |
| | -12611 Jan 04 j 07:38 | 0°♈ | | morning set | -12609 Jun 09 j 03:42 | 7°♈17'35 | | |
| greatest brilliancy | -12611 Jan 23 j 04:34 | 10°♈53'01 | -4.7m | | -12609 Jun 27 j 02:03 | 0°♎ | | |
| retrograde | -12611 Feb 02 j 15:30 | 12°♈48'21 | | | | | | |
| evening set | -12611 Feb 19 j 22:41 | 7°♈18'12 | | superior conj | -12609 Jul 19 j 15:20 | 28°♎32'01 | 1°20'57 | |
| inferior conj | -12611 Feb 23 j 23:15 | 4°♈53'10 | 7°37'49 | minimum elong | -12609 Jul 19 j 10:12 | 28°♎15'47 | 1°21'16 | |
| minimum elong | -12611 Feb 24 j 05:31 | 4°♈43'33 | 7°36'29 | | -12609 Jul 20 j 19:13 | 0°♈ | | |
| min. Earth dist. | -12611 Feb 25 j 04:54 | 4°♈07'43 | 0.28808 AU | max. Earth dist. | -12609 Jul 25 j 02:15 | 5°♈24'55 | 1.70858 AU | |
| morning rise | -12611 Feb 28 j 11:55 | 2°♈09'29 | | | -12609 Aug 13 j 15:31 | 0°♊ | | |
| | -12611 Mar 04 j 12:16 | 30°♎ | | evening rise | -12609 Aug 31 j 19:32 | 22°♊41'32 | | |
| direct | -12611 Mar 17 j 21:49 | 26°♎34'58 | | | -12609 Sep 06 j 16:34 | 0°☾ | | |
| greatest brilliancy | -12611 Mar 29 j 05:26 | 28°♎52'04 | -4.8m | desc. node | -12609 Sep 23 j 02:48 | 20°☾20'49 | | |
| | -12611 Mar 31 j 21:40 | 0°♈ | | | -12609 Sep 30 j 22:40 | 0°♌ | | |
| desc. node | -12611 Apr 07 j 16:58 | 3°♈41'06 | | | -12609 Oct 25 j 09:30 | 0°♎ | | |
| morning max el | -12611 May 06 j 22:02 | 28°♈04'28 | 46°31'00 | | -12609 Nov 19 j 01:40 | 0°♊ | | |
| | -12611 May 08 j 20:18 | 0°♈ | | | -12609 Dec 14 j 02:27 | 0°♍ | | |
| | -12611 Jun 05 j 13:09 | 0°≈ | | | -12608 Jan 08 j 19:26 | 0°♈ | | |
| | -12611 Jul 01 j 00:25 | 0°♈ | | asc. node | -12608 Jan 12 j 05:48 | 3°♈54'58 | | |
| | -12611 Jul 25 j 13:23 | 0°♎ | | | -12608 Feb 04 j 19:56 | 0°♈ | | |
| asc. node | -12611 Jul 27 j 15:27 | 2°♎34'42 | | evening max el | -12608 Feb 28 j 03:15 | 23°♈39'43 | 45°36'14 | |
| | -12611 Aug 18 j 17:27 | 0°♈ | | | -12608 Mar 06 j 00:04 | 0°≈ | | |
| | -12611 Sep 11 j 20:18 | 0°♊ | | greatest brilliancy | -12608 Apr 07 j 11:55 | 21°≈45'30 | -4.8m | |
| | -12611 Oct 06 j 02:14 | 0°☾ | | retrograde | -12608 Apr 17 j 05:03 | 23°≈26'48 | | |
| | -12611 Oct 30 j 12:24 | 0°♌ | | evening set | -12608 May 01 j 15:32 | 19°≈33'36 | | |
| morning set | -12611 Nov 12 j 05:08 | 15°♌32'00 | | desc. node | -12608 May 05 j 03:46 | 17°≈39'52 | | |
| desc. node | -12611 Nov 18 j 02:42 | 22°♌44'28 | | inferior conj | -12608 May 08 j 02:08 | 15°≈57'43 | -0°42'58 | |
| | -12611 Nov 24 j 01:17 | 0°♎ | | minimum elong | -12608 May 08 j 00:28 | 16°≈00'10 | 0°43'01 | |
| | -12611 Dec 18 j 14:10 | 0°♊ | | min. Earth dist. | -12608 May 08 j 11:37 | 15°≈43'47 | 0.26632 AU | |
| max. Earth dist. | -12611 Dec 19 j 00:08 | 0°♊30'29 | 1.73844 AU | morning rise | -12608 May 14 j 08:32 | 12°≈25'19 | | |
| | | | | direct | -12608 May 28 j 19:19 | 8°≈24'02 | | |
| superior conj | -12611 Dec 20 j 23:17 | 2°♊54'52 | -1°03'48 | greatest brilliancy | -12608 Jun 09 j 06:22 | 10°≈48'24 | -4.9m | |
| minimum elong | -12611 Dec 20 j 15:07 | 2°♊29'51 | 1°03'35 | | -12608 Jul 06 j 14:33 | 0°♈ | | |
| | -12610 Jan 12 j 01:05 | 0°♍ | | morning max el | -12608 Jul 18 j 09:17 | 11°♈26'29 | 46°39'15 | |
| evening rise | -12610 Jan 25 j 16:35 | 16°♍47'13 | | | -12608 Aug 04 j 17:01 | 0°♎ | | |
| greatest brilliancy | -12610 Jan 30 j 14:32 | 22°♍50'25 | -3.9m | asc. node | -12608 Aug 24 j 04:53 | 22°♎18'21 | | |
| | -12610 Feb 05 j 10:02 | 0°♈ | | | -12608 Aug 30 j 18:00 | 0°♈ | | |
| | -12610 Mar 01 j 18:35 | 0°♈ | | | -12608 Sep 24 j 20:53 | 0°♊ | | |
| asc. node | -12610 Mar 09 j 00:47 | 8°♈55'42 | | | -12608 Oct 19 j 17:58 | 0°☾ | | |
| | -12610 Mar 26 j 04:43 | 0°≈ | | | -12608 Nov 13 j 15:06 | 0°♌ | | |
| | -12610 Apr 19 j 18:00 | 0°♈ | | | -12608 Dec 08 j 12:33 | 0°♎ | | |
| | -12610 May 14 j 12:20 | 0°♎ | | desc. node | -12608 Dec 15 j 16:52 | 8°♎39'54 | | |
| | -12610 Jun 08 j 16:12 | 0°♈ | | | -12607 Jan 02 j 07:49 | 0°♊ | | |
| desc. node | -12610 Jun 30 j 21:02 | 25°♈41'22 | | morning set | -12607 Jan 21 j 00:50 | 22°♊47'02 | | |
| | -12610 Jul 04 j 16:54 | 0°♊ | | | -12607 Jan 26 j 22:20 | 0°♍ | | |
| evening max el | -12610 Jul 26 j 04:55 | 23°♊08'51 | 47°40'22 | | -12607 Feb 20 j 07:14 | 0°♈ | | |
| | -12610 Aug 02 j 01:42 | 0°☾ | | max. Earth dist. | -12607 Feb 20 j 15:27 | 0°♈25'25 | 1.73122 AU | |
| greatest brilliancy | -12610 Sep 05 j 06:38 | 25°☾17'48 | -4.9m | | | | | |
| retrograde | -12610 Sep 15 j 10:38 | 27°☾17'42 | | superior conj | -12607 Feb 25 j 06:40 | 6°♈09'36 | -1°12'30 | |
| evening set | -12610 Sep 30 j 20:33 | 22°☾25'06 | | minimum elong | -12607 Feb 25 j 12:32 | 6°♈27'46 | 1°13'06 | |
| inferior conj | -12610 Oct 06 j 09:41 | 18°☾55'34 | -3°10'28 | | -12607 Mar 16 j 11:32 | 0°♈ | | |
| minimum elong | -12610 Oct 06 j 15:49 | 18°☾45'36 | 3°08'00 | evening rise | -12607 Apr 01 j 08:51 | 19°♈47'39 | | |
| min. Earth dist. | -12610 Oct 05 j 22:27 | 19°☾13'48 | 0.28039 AU | asc. node | -12607 Apr 05 j 12:45 | 24°♈59'06 | | |
| morning rise | -12610 Oct 12 j 11:55 | 15°☾09'21 | | | -12607 Apr 09 j 13:14 | 0°≈ | | |
| asc. node | -12610 Oct 20 j 02:03 | 11°☾49'35 | | | -12607 May 03 j 14:14 | 0°♈ | | |
| direct | -12610 Oct 27 j 05:15 | 10°☾46'26 | | | -12607 May 27 j 16:11 | 0°♎ | | |
| greatest brilliancy | -12610 Nov 05 j 07:34 | 12°☾20'22 | -4.8m | | -12607 Jun 20 j 21:00 | 0°♈ | | |
| | -12610 Dec 02 j 20:39 | 0°♌ | | | -12607 Jul 15 j 07:32 | 0°♊ | | |
| morning max el | -12610 Dec 15 j 03:28 | 11°♌10'16 | 46°01'54 | desc. node | -12607 Jul 28 j 07:01 | 15°♊44'44 | | |
| | -12609 Jan 02 j 20:59 | 0°♎ | | | -12607 Aug 09 j 04:19 | 0°☾ | | |
| | -12609 Jan 30 j 11:15 | 0°♊ | | | -12607 Sep 03 j 20:19 | 0°♌ | | |
| desc. node | -12609 Feb 10 j 18:44 | 12°♊48'39 | | | -12607 Oct 01 j 08:42 | 0°♎ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|------------------------------------|------------|---------------------|-----------------------|-----------------------------------|------------|
| evening max el | -12607 Oct 04 j 15:36 | 3° \mathbb{M} 19'39 | 45°57'37 | morning set | -12604 Mar 28 j 08:33 | 26° \mathbb{X} 15'30 | |
| | -12607 Nov 06 j 02:18 | 0° $\underline{\mathbf{a}}$ | | | -12604 Mar 31 j 08:41 | 0° \mathbb{Z} | |
| greatest brilliancy | -12607 Nov 11 j 18:33 | 2° $\underline{\mathbf{a}}$ 43'45 | -4.7m | | -12604 Apr 24 j 07:57 | 0° \approx | |
| asc. node | -12607 Nov 16 j 12:28 | 4° $\underline{\mathbf{a}}$ 17'27 | | max. Earth dist. | -12604 Apr 30 j 02:04 | 7° \approx 14'01 | 1.71412 AU |
| retrograde | -12607 Nov 23 j 04:09 | 5° $\underline{\mathbf{a}}$ 08'57 | | | | | |
| evening set | -12607 Dec 08 j 21:32 | 0° $\underline{\mathbf{a}}$ 13'46 | | superior conj | -12604 May 03 j 05:19 | 11° \approx 10'41 | 0°00'21 |
| | -12607 Dec 09 j 06:59 | 30° \mathbb{R} \mathbb{M} | | minimum elong | -12604 May 03 j 05:22 | 11° \approx 10'47 | 0°00'16 |
| inferior conj | -12607 Dec 14 j 12:00 | 26° \mathbb{M} 45'19 | 5°42'39 | behind sun begin | -12604 May 02 j 06:22 | 9° \approx 58'28 | |
| minimum elong | -12607 Dec 14 j 03:19 | 26° \mathbb{M} 59'14 | 5°40'58 | behind sun end | -12604 May 04 j 04:21 | 12° \approx 23'07 | |
| min. Earth dist. | -12607 Dec 14 j 08:50 | 26° \mathbb{M} 50'24 | 0.29426 AU | asc. node | -12604 May 03 j 01:45 | 10° \approx 59'23 | |
| morning rise | -12607 Dec 19 j 09:17 | 23° \mathbb{M} 41'42 | | | -12604 May 18 j 03:53 | 0° \mathbb{H} | |
| direct | -12606 Jan 05 j 06:42 | 18° \mathbb{M} 12'37 | | evening rise | -12604 Jun 10 j 05:52 | 29° \mathbb{H} 06'09 | |
| greatest brilliancy | -12606 Jan 14 j 16:38 | 19° \mathbb{M} 48'35 | -4.7m | | -12604 Jun 10 j 22:57 | 0° \mathbb{Y} | |
| | -12606 Feb 02 j 06:03 | 0° $\underline{\mathbf{a}}$ | | | -12604 Jul 04 j 19:24 | 0° \mathbb{B} | |
| morning max el | -12606 Feb 23 j 06:04 | 17° $\underline{\mathbf{a}}$ 52'52 | 46°08'01 | | -12604 Jul 28 j 19:23 | 0° \mathbb{I} | |
| | -12606 Mar 07 j 12:03 | 0° \mathbb{M} | | | -12604 Aug 22 j 00:46 | 0° \mathbb{G} | |
| desc. node | -12606 Mar 10 j 07:27 | 2° \mathbb{M} 54'04 | | desc. node | -12604 Aug 24 j 17:26 | 3° \mathbb{G} 18'57 | |
| | -12606 Apr 04 j 03:52 | 0° \mathbb{X} | | | -12604 Sep 15 j 13:22 | 0° \mathbb{Q} | |
| | -12606 Apr 29 j 21:11 | 0° \mathbb{Z} | | | -12604 Oct 10 j 12:15 | 0° \mathbb{M} | |
| | -12606 May 24 j 13:49 | 0° \approx | | | -12604 Nov 05 j 05:24 | 0° $\underline{\mathbf{a}}$ | |
| | -12606 Jun 17 j 16:31 | 0° \mathbb{H} | | | -12604 Dec 02 j 15:29 | 0° \mathbb{M} | |
| asc. node | -12606 Jun 29 j 03:32 | 14° \mathbb{H} 23'58 | | asc. node | -12604 Dec 13 j 22:27 | 11° \mathbb{M} 17'41 | |
| | -12606 Jul 11 j 12:22 | 0° \mathbb{Y} | | evening max el | -12604 Dec 14 j 09:07 | 11° \mathbb{M} 43'17 | 44°49'03 |
| | -12606 Aug 04 j 06:40 | 0° \mathbb{B} | | | -12603 Jan 04 j 22:09 | 0° \mathbb{X} | |
| morning set | -12606 Aug 25 j 08:17 | 26° \mathbb{B} 30'03 | | greatest brilliancy | -12603 Jan 20 j 19:38 | 8° \mathbb{X} 43'42 | -4.7m |
| | -12606 Aug 28 j 03:18 | 0° \mathbb{I} | | retrograde | -12603 Jan 31 j 06:24 | 10° \mathbb{X} 39'26 | |
| | -12606 Sep 21 j 04:27 | 0° \mathbb{G} | | evening set | -12603 Feb 17 j 15:56 | 5° \mathbb{X} 06'28 | |
| | | | | inferior conj | -12603 Feb 21 j 15:06 | 2° \mathbb{X} 43'12 | 7°44'08 |
| superior conj | -12606 Oct 06 j 19:59 | 19° \mathbb{G} 22'58 | 0°30'23 | minimum elong | -12603 Feb 21 j 20:46 | 2° \mathbb{X} 34'27 | 7°42'55 |
| minimum elong | -12606 Oct 07 j 03:40 | 19° \mathbb{G} 46'44 | 0°30'48 | min. Earth dist. | -12603 Feb 22 j 20:21 | 1° \mathbb{X} 58'12 | 0.28875 AU |
| max. Earth dist. | -12606 Oct 11 j 21:04 | 25° \mathbb{G} 36'47 | 1.72714 AU | morning rise | -12603 Feb 26 j 01:10 | 0° \mathbb{X} 02'43 | |
| | -12606 Oct 15 j 10:26 | 0° \mathbb{Q} | | | -12603 Feb 26 j 03:02 | 30° \mathbb{R} \mathbb{M} | |
| desc. node | -12606 Oct 20 j 15:21 | 6° \mathbb{Q} 24'44 | | direct | -12603 Mar 15 j 13:45 | 24° \mathbb{M} 23'41 | |
| | -12606 Nov 08 j 19:53 | 0° \mathbb{M} | | greatest brilliancy | -12603 Mar 26 j 20:28 | 26° \mathbb{M} 39'11 | -4.8m |
| evening rise | -12606 Nov 16 j 15:42 | 9° \mathbb{M} 36'08 | | | -12603 Apr 02 j 20:58 | 0° \mathbb{X} | |
| | -12606 Dec 03 j 07:09 | 0° $\underline{\mathbf{a}}$ | | desc. node | -12603 Apr 06 j 19:10 | 2° \mathbb{X} 22'29 | |
| | -12606 Dec 27 j 19:56 | 0° \mathbb{M} | | morning max el | -12603 May 04 j 12:25 | 25° \mathbb{X} 45'40 | 46°30'13 |
| | -12605 Jan 21 j 12:02 | 0° \mathbb{X} | | | -12603 May 08 j 17:38 | 0° \mathbb{Z} | |
| asc. node | -12605 Feb 08 j 16:03 | 21° \mathbb{X} 53'19 | | | -12603 Jun 05 j 05:00 | 0° \approx | |
| | -12605 Feb 15 j 10:53 | 0° \mathbb{Z} | | | -12603 Jun 30 j 14:13 | 0° \mathbb{H} | |
| | -12605 Mar 12 j 20:39 | 0° \approx | | | -12603 Jul 25 j 02:09 | 0° \mathbb{Y} | |
| | -12605 Apr 07 j 23:48 | 0° \mathbb{H} | | asc. node | -12603 Jul 26 j 17:41 | 2° \mathbb{Y} 02'16 | |
| | -12605 May 05 j 14:07 | 0° \mathbb{Y} | | | -12603 Aug 18 j 05:36 | 0° \mathbb{B} | |
| evening max el | -12605 May 13 j 00:51 | 7° \mathbb{Y} 34'20 | 47°27'26 | | -12603 Sep 11 j 08:03 | 0° \mathbb{I} | |
| desc. node | -12605 Jun 02 j 13:47 | 26° \mathbb{Y} 15'29 | | | -12603 Oct 05 j 13:43 | 0° \mathbb{G} | |
| | -12605 Jun 07 j 11:29 | 0° \mathbb{B} | | | -12603 Oct 29 j 23:40 | 0° \mathbb{Q} | |
| greatest brilliancy | -12605 Jun 23 j 08:56 | 8° \mathbb{B} 47'47 | -4.9m | morning set | -12603 Nov 09 j 18:48 | 13° \mathbb{Q} 12'57 | |
| retrograde | -12605 Jul 02 j 20:37 | 10° \mathbb{B} 30'27 | | desc. node | -12603 Nov 17 j 04:54 | 22° \mathbb{Q} 17'15 | |
| evening set | -12605 Jul 20 j 09:09 | 4° \mathbb{B} 32'59 | | | -12603 Nov 23 j 12:22 | 0° \mathbb{M} | |
| min. Earth dist. | -12605 Jul 22 j 16:30 | 3° \mathbb{B} 08'49 | 0.26684 AU | max. Earth dist. | -12603 Dec 16 j 20:16 | 28° \mathbb{M} 31'45 | 1.73836 AU |
| inferior conj | -12605 Jul 23 j 14:02 | 2° \mathbb{B} 35'42 | -8°42'16 | | -12603 Dec 18 j 01:06 | 0° $\underline{\mathbf{a}}$ | |
| minimum elong | -12605 Jul 23 j 11:52 | 2° \mathbb{B} 39'01 | 8°41'46 | | | | |
| morning rise | -12605 Jul 26 j 14:48 | 0° \mathbb{B} 45'21 | | superior conj | -12603 Dec 18 j 16:47 | 0° $\underline{\mathbf{a}}$ 48'02 | -1°01'53 |
| | -12605 Jul 27 j 21:59 | 30° \mathbb{R} \mathbb{Y} | | minimum elong | -12603 Dec 18 j 08:26 | 0° $\underline{\mathbf{a}}$ 22'28 | 1°01'39 |
| direct | -12605 Aug 12 j 17:48 | 25° \mathbb{Y} 01'38 | | | -12602 Jan 11 j 11:58 | 0° \mathbb{M} | |
| greatest brilliancy | -12605 Aug 22 j 08:18 | 26° \mathbb{Y} 48'57 | -4.9m | evening rise | -12602 Jan 23 j 12:28 | 14° \mathbb{M} 47'04 | |
| | -12605 Aug 29 j 06:41 | 0° \mathbb{B} | | greatest brilliancy | -12602 Jan 29 j 05:01 | 21° \mathbb{M} 47'22 | -3.9m |
| asc. node | -12605 Sep 21 j 17:04 | 18° \mathbb{B} 00'22 | | | -12602 Feb 04 j 21:00 | 0° \mathbb{X} | |
| morning max el | -12605 Oct 01 j 20:42 | 27° \mathbb{B} 49'58 | 46°20'13 | | -12602 Mar 01 j 05:50 | 0° \mathbb{Z} | |
| | -12605 Oct 04 j 00:09 | 0° \mathbb{I} | | asc. node | -12602 Mar 08 j 03:01 | 8° \mathbb{Z} 27'44 | |
| | -12605 Oct 31 j 21:16 | 0° \mathbb{G} | | | -12602 Mar 25 j 16:24 | 0° \approx | |
| | -12605 Nov 27 j 06:38 | 0° \mathbb{Q} | | | -12602 Apr 19 j 06:18 | 0° \mathbb{H} | |
| | -12605 Dec 23 j 02:26 | 0° \mathbb{M} | | | -12602 May 14 j 01:32 | 0° \mathbb{Y} | |
| desc. node | -12604 Jan 13 j 07:07 | 24° \mathbb{M} 58'14 | | | -12602 Jun 08 j 06:48 | 0° \mathbb{B} | |
| | -12604 Jan 17 j 12:45 | 0° $\underline{\mathbf{a}}$ | | desc. node | -12602 Jun 29 j 23:25 | 25° \mathbb{B} 00'46 | |
| | -12604 Feb 11 j 13:06 | 0° \mathbb{M} | | | -12602 Jul 04 j 10:14 | 0° \mathbb{I} | |
| | -12604 Mar 07 j 03:16 | 0° \mathbb{X} | | evening max el | -12602 Jul 23 j 19:30 | 20° \mathbb{I} 47'11 | 47°42'37 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12602 Aug 02 j 03:08 | 0°☿ | | | -12599 Feb 19 j 18:03 | 0°♄ | |
| greatest brilliancy | -12602 Sep 03 j 00:50 | 23°☿02'20 | -4.9m | | | | |
| retrograde | -12602 Sep 13 j 02:19 | 25°☿00'18 | | superior conj | -12599 Feb 23 j 02:35 | 4°♄09'05 | -1°13'42 |
| evening set | -12602 Sep 28 j 14:39 | 20°☿04'57 | | minimum elong | -12599 Feb 23 j 08:05 | 4°♄26'06 | 1°14'18 |
| min. Earth dist. | -12602 Oct 03 j 14:47 | 16°☿56'31 | 0.27987 AU | | -12599 Mar 15 j 22:25 | 0°♄ | |
| inferior conj | -12602 Oct 04 j 01:42 | 16°☿38'48 | -3°29'35 | evening rise | -12599 Mar 30 j 03:52 | 17°♄43'09 | |
| minimum elong | -12602 Oct 04 j 08:21 | 16°☿28'00 | 3°26'59 | asc. node | -12599 Apr 04 j 15:00 | 24°♄31'48 | |
| morning rise | -12602 Oct 10 j 02:47 | 12°☿54'08 | | | -12599 Apr 09 j 00:17 | 0°♄ | |
| asc. node | -12602 Oct 19 j 04:18 | 9°☿10'12 | | | -12599 May 03 j 01:31 | 0°♄ | |
| direct | -12602 Oct 24 j 19:51 | 8°☿30'39 | | | -12599 May 27 j 03:48 | 0°♄ | |
| greatest brilliancy | -12602 Nov 02 j 23:38 | 10°☿05'36 | -4.8m | | -12599 Jun 20 j 09:02 | 0°♄ | |
| | -12602 Dec 03 j 01:26 | 0°♄ | | | -12599 Jul 14 j 20:08 | 0°♄ | |
| morning max el | -12602 Dec 12 j 18:27 | 8°♄56'42 | 46°02'11 | desc. node | -12599 Jul 27 j 09:08 | 15°♄11'53 | |
| | -12601 Jan 02 j 14:24 | 0°♄ | | | -12599 Aug 08 j 17:50 | 0°☿ | |
| | -12601 Jan 30 j 01:20 | 0°♄ | | | -12599 Sep 03 j 11:42 | 0°♄ | |
| desc. node | -12601 Feb 09 j 20:46 | 12°♄16'17 | | | -12599 Oct 01 j 05:12 | 0°♄ | |
| | -12601 Feb 25 j 04:03 | 0°♄ | | evening max el | -12599 Oct 02 j 08:43 | 1°♄09'12 | 46°01'21 |
| | -12601 Mar 22 j 09:15 | 0°♄ | | | -12599 Nov 08 j 01:32 | 0°♄ | |
| | -12601 Apr 15 j 22:36 | 0°♄ | | greatest brilliancy | -12599 Nov 09 j 12:14 | 0°♄36'46 | -4.8m |
| | -12601 May 10 j 00:52 | 0°♄ | | asc. node | -12599 Nov 15 j 14:55 | 2°♄29'10 | |
| greatest brilliancy | -12601 May 31 j 05:41 | 26°♄41'42 | -3.9m | retrograde | -12599 Nov 20 j 22:22 | 3°♄02'15 | |
| asc. node | -12601 May 31 j 15:31 | 27°♄12'46 | | | -12599 Dec 03 j 02:33 | 30°♄ | |
| | -12601 Jun 02 j 20:27 | 0°♄ | | evening set | -12599 Dec 06 j 13:11 | 28°♄09'44 | |
| morning set | -12601 Jun 06 j 17:12 | 4°♄53'14 | | inferior conj | -12599 Dec 12 j 05:30 | 24°♄38'07 | 5°29'30 |
| | -12601 Jun 26 j 13:12 | 0°♄ | | minimum elong | -12599 Dec 11 j 20:54 | 24°♄51'56 | 5°27'49 |
| | | | | min. Earth dist. | -12599 Dec 12 j 01:10 | 24°♄45'06 | 0.29397 AU |
| superior conj | -12601 Jul 17 j 00:51 | 25°♄55'07 | 1°19'59 | morning rise | -12599 Dec 17 j 04:53 | 21°♄31'22 | |
| minimum elong | -12601 Jul 16 j 18:47 | 25°♄35'57 | 1°20'14 | direct | -12598 Jan 03 j 00:06 | 16°♄05'53 | |
| | -12601 Jul 20 j 06:25 | 0°♄ | | greatest brilliancy | -12598 Jan 12 j 07:47 | 17°♄40'26 | -4.7m |
| max. Earth dist. | -12601 Jul 22 j 00:46 | 2°♄13'36 | 1.70828 AU | | -12598 Feb 02 j 18:33 | 0°♄ | |
| | -12601 Aug 13 j 02:46 | 0°♄ | | morning max el | -12598 Feb 20 j 23:14 | 15°♄46'53 | 46°07'18 |
| evening rise | -12601 Aug 29 j 02:23 | 19°♄58'24 | | | -12598 Mar 07 j 06:26 | 0°♄ | |
| | -12601 Sep 06 j 03:50 | 0°☿ | | desc. node | -12598 Mar 09 j 09:39 | 2°♄13'13 | |
| desc. node | -12601 Sep 22 j 04:58 | 19°☿52'41 | | | -12598 Apr 03 j 18:22 | 0°♄ | |
| | -12601 Sep 30 j 09:58 | 0°♄ | | | -12598 Apr 29 j 10:06 | 0°♄ | |
| | -12601 Oct 24 j 20:57 | 0°♄ | | | -12598 May 24 j 01:56 | 0°♄ | |
| | -12601 Nov 18 j 13:28 | 0°♄ | | | -12598 Jun 17 j 04:12 | 0°♄ | |
| | -12601 Dec 13 j 14:59 | 0°♄ | | asc. node | -12598 Jun 28 j 05:44 | 13°♄54'29 | |
| | -12600 Jan 08 j 09:29 | 0°♄ | | | -12598 Jul 10 j 23:49 | 0°♄ | |
| asc. node | -12600 Jan 11 j 08:07 | 3°♄20'53 | | | -12598 Aug 03 j 17:59 | 0°♄ | |
| | -12600 Feb 04 j 13:23 | 0°♄ | | morning set | -12598 Aug 22 j 17:40 | 23°♄53'42 | |
| evening max el | -12600 Feb 25 j 16:35 | 21°♄20'36 | 45°33'02 | | -12598 Aug 27 j 14:31 | 0°♄ | |
| | -12600 Mar 06 j 04:47 | 0°♄ | | | -12598 Sep 20 j 15:36 | 0°☿ | |
| greatest brilliancy | -12600 Apr 04 j 23:01 | 19°♄20'21 | -4.8m | | | | |
| retrograde | -12600 Apr 14 j 17:17 | 21°♄02'26 | | superior conj | -12598 Oct 04 j 06:05 | 16°☿51'30 | 0°33'51 |
| evening set | -12600 Apr 29 j 03:57 | 17°♄08'12 | | minimum elong | -12598 Oct 04 j 14:33 | 17°☿17'39 | 0°34'16 |
| desc. node | -12600 May 04 j 06:04 | 14°♄19'54 | | max. Earth dist. | -12598 Oct 09 j 14:15 | 23°☿27'26 | 1.72652 AU |
| inferior conj | -12600 May 05 j 14:10 | 13°♄32'57 | -0°19'35 | | -12598 Oct 14 j 21:31 | 0°♄ | |
| minimum elong | -12600 May 05 j 13:23 | 13°♄34'05 | 0°19'56 | desc. node | -12598 Oct 19 j 17:35 | 5°♄57'33 | |
| min. Earth dist. | -12600 May 06 j 01:14 | 13°♄16'42 | 0.26683 AU | | -12598 Nov 08 j 06:56 | 0°♄ | |
| morning rise | -12600 May 11 j 21:57 | 9°♄59'05 | | evening rise | -12598 Nov 14 j 06:39 | 7°♄20'56 | |
| direct | -12600 May 26 j 08:37 | 5°♄58'00 | | | -12598 Dec 02 j 18:14 | 0°♄ | |
| greatest brilliancy | -12600 Jun 06 j 20:49 | 8°♄23'54 | -4.9m | | -12598 Dec 27 j 07:12 | 0°♄ | |
| | -12600 Jul 06 j 18:56 | 0°♄ | | | -12597 Jan 20 j 23:43 | 0°♄ | |
| morning max el | -12600 Jul 15 j 23:29 | 9°♄01'58 | 46°39'27 | asc. node | -12597 Feb 07 j 18:17 | 21°♄23'26 | |
| | -12600 Aug 04 j 10:57 | 0°♄ | | | -12597 Feb 14 j 23:20 | 0°♄ | |
| asc. node | -12600 Aug 23 j 07:03 | 21°♄39'37 | | | -12597 Mar 12 j 10:28 | 0°♄ | |
| | -12600 Aug 30 j 08:46 | 0°♄ | | | -12597 Apr 07 j 16:02 | 0°♄ | |
| | -12600 Sep 24 j 10:09 | 0°♄ | | | -12597 May 05 j 11:51 | 0°♄ | |
| | -12600 Oct 19 j 06:21 | 0°☿ | | evening max el | -12597 May 10 j 15:31 | 5°♄11'56 | 47°24'19 |
| | -12600 Nov 13 j 02:53 | 0°♄ | | desc. node | -12597 Jun 01 j 16:10 | 25°♄00'35 | |
| | -12600 Dec 07 j 23:53 | 0°♄ | | | -12597 Jun 08 j 14:41 | 0°♄ | |
| desc. node | -12600 Dec 14 j 19:06 | 8°♄12'40 | | greatest brilliancy | -12597 Jun 20 j 21:15 | 6°♄17'29 | -4.9m |
| | -12599 Jan 01 j 18:51 | 0°♄ | | retrograde | -12597 Jun 30 j 09:30 | 7°♄59'57 | |
| morning set | -12599 Jan 18 j 19:11 | 20°♄43'07 | | evening set | -12597 Jul 17 j 19:27 | 2°♄07'21 | |
| | -12599 Jan 26 j 09:12 | 0°♄ | | min. Earth dist. | -12597 Jul 20 j 04:50 | 0°♄40'14 | 0.26641 AU |
| max. Earth dist. | -12599 Feb 18 j 13:24 | 28°♄31'24 | 1.73170 AU | inferior conj | -12597 Jul 21 j 02:36 | 0°♄06'46 | -8°39'10 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|----------------------|------------|
| minimum elong | -12597 Jul 20 j 23:33 | 0° ♁ 11'27 | 8°38'39 | superior conj | -12595 Dec 16 j 10:25 | 28° ♁ 41'31 | -0°59'54 |
| | -12597 Jul 21 j 07:00 | 30° ♁ | | minimum elong | -12595 Dec 16 j 01:56 | 28° ♁ 15'33 | 0°59'37 |
| morning rise | -12597 Jul 24 j 03:51 | 28° ♁ 15'45 | | | -12595 Dec 17 j 12:03 | 0° ♁ | |
| direct | -12597 Aug 10 j 06:36 | 22° ♁ 34'04 | | | -12594 Jan 10 j 22:55 | 0° ♁ | |
| greatest brilliancy | -12597 Aug 19 j 21:09 | 24° ♁ 21'14 | -4.9m | evening rise | -12594 Jan 21 j 08:25 | 12° ♁ 46'55 | |
| | -12597 Aug 30 j 21:40 | 0° ♁ | | greatest brilliancy | -12594 Jan 27 j 19:11 | 20° ♁ 43'08 | -3.9m |
| asc. node | -12597 Sep 20 j 19:22 | 17° ♁ 01'14 | | | -12594 Feb 04 j 08:06 | 0° ♁ | |
| morning max el | -12597 Sep 29 j 09:42 | 25° ♁ 24'36 | 46°20'57 | | -12594 Feb 28 j 17:12 | 0° ♁ | |
| | -12597 Oct 03 j 21:47 | 0° ♁ | | asc. node | -12594 Mar 07 j 05:17 | 7° ♁ 59'29 | |
| | -12597 Oct 31 j 13:13 | 0° ♁ | | | -12594 Mar 25 j 04:14 | 0° ♁ | |
| | -12597 Nov 26 j 20:20 | 0° ♁ | | | -12594 Apr 18 j 18:47 | 0° ♁ | |
| | -12597 Dec 22 j 14:57 | 0° ♁ | | | -12594 May 13 j 14:58 | 0° ♁ | |
| desc. node | -12596 Jan 12 j 09:06 | 24° ♁ 28'53 | | | -12594 Jun 07 j 21:43 | 0° ♁ | |
| | -12596 Jan 17 j 00:32 | 0° ♁ | | desc. node | -12594 Jun 29 j 01:34 | 24° ♁ 18'30 | |
| | -12596 Feb 11 j 00:25 | 0° ♁ | | | -12594 Jul 04 j 04:07 | 0° ♁ | |
| | -12596 Mar 06 j 14:20 | 0° ♁ | | evening max el | -12594 Jul 21 j 10:13 | 18° ♁ 25'11 | 47°44'45 |
| morning set | -12596 Mar 26 j 03:31 | 24° ♁ 11'04 | | | -12594 Aug 02 j 06:13 | 0° ♁ | |
| | -12596 Mar 30 j 19:40 | 0° ♁ | | greatest brilliancy | -12594 Aug 31 j 18:38 | 20° ♁ 45'28 | -4.9m |
| | -12596 Apr 23 j 18:59 | 0° ♁ | | retrograde | -12594 Sep 10 j 18:15 | 22° ♁ 42'09 | |
| max. Earth dist. | -12596 Apr 27 j 13:29 | 4° ♁ 44'17 | 1.71472 AU | evening set | -12594 Sep 26 j 08:44 | 17° ♁ 43'38 | |
| | | | | inferior conj | -12594 Oct 01 j 17:36 | 14° ♁ 21'11 | -3°48'25 |
| superior conj | -12596 Apr 30 j 21:56 | 8° ♁ 57'13 | -0°02'56 | minimum elong | -12594 Oct 02 j 00:45 | 14° ♁ 09'36 | 3°45'44 |
| minimum elong | -12596 Apr 30 j 22:40 | 8° ♁ 59'30 | 0°03'31 | min. Earth dist. | -12594 Oct 01 j 06:54 | 14° ♁ 38'31 | 0.27934 AU |
| behind sun begin | -12596 Apr 30 j 00:04 | 7° ♁ 48'27 | | morning rise | -12594 Oct 07 j 17:24 | 10° ♁ 38'32 | |
| behind sun end | -12596 May 01 j 21:16 | 10° ♁ 10'34 | | asc. node | -12594 Oct 18 j 06:38 | 6° ♁ 35'20 | |
| asc. node | -12596 May 02 j 03:58 | 10° ♁ 31'40 | | direct | -12594 Oct 22 j 10:17 | 6° ♁ 13'55 | |
| | -12596 May 17 j 15:02 | 0° ♁ | | greatest brilliancy | -12594 Oct 31 j 15:29 | 7° ♁ 50'04 | -4.8m |
| evening rise | -12596 Jun 07 j 18:48 | 26° ♁ 40'08 | | | -12594 Dec 03 j 04:35 | 0° ♁ | |
| | -12596 Jun 10 j 10:15 | 0° ♁ | | morning max el | -12594 Dec 10 j 10:14 | 6° ♁ 44'44 | 46°02'38 |
| | -12596 Jul 04 j 06:51 | 0° ♁ | | | -12593 Jan 02 j 07:31 | 0° ♁ | |
| | -12596 Jul 28 j 06:59 | 0° ♁ | | | -12593 Jan 29 j 15:22 | 0° ♁ | |
| | -12596 Aug 21 j 12:36 | 0° ♁ | | desc. node | -12593 Feb 08 j 22:57 | 11° ♁ 44'11 | |
| desc. node | -12596 Aug 23 j 19:43 | 2° ♁ 49'33 | | | -12593 Feb 24 j 16:42 | 0° ♁ | |
| | -12596 Sep 15 j 01:34 | 0° ♁ | | | -12593 Mar 21 j 21:12 | 0° ♁ | |
| | -12596 Oct 10 j 01:11 | 0° ♁ | | | -12593 Apr 15 j 10:10 | 0° ♁ | |
| | -12596 Nov 04 j 19:55 | 0° ♁ | | | -12593 May 09 j 12:16 | 0° ♁ | |
| | -12596 Dec 02 j 10:18 | 0° ♁ | | greatest brilliancy | -12593 May 30 j 11:51 | 26° ♁ 25'24 | -3.9m |
| evening max el | -12596 Dec 11 j 23:37 | 9° ♁ 29'23 | 44°49'33 | asc. node | -12593 May 30 j 17:40 | 26° ♁ 43'47 | |
| asc. node | -12596 Dec 13 j 00:43 | 10° ♁ 29'21 | | | -12593 Jun 02 j 07:47 | 0° ♁ | |
| | -12595 Jan 05 j 17:43 | 0° ♁ | | morning set | -12593 Jun 04 j 06:52 | 2° ♁ 28'49 | |
| greatest brilliancy | -12595 Jan 18 j 10:27 | 6° ♁ 34'03 | -4.7m | | -12593 Jun 26 j 00:32 | 0° ♁ | |
| retrograde | -12595 Jan 28 j 21:38 | 8° ♁ 30'51 | | | | | |
| evening set | -12595 Feb 15 j 09:04 | 2° ♁ 55'03 | | superior conj | -12593 Jul 14 j 10:24 | 23° ♁ 17'40 | 1°18'51 |
| inferior conj | -12595 Feb 19 j 07:04 | 0° ♁ 33'24 | 7°49'34 | minimum elong | -12593 Jul 14 j 03:30 | 22° ♁ 55'52 | 1°19'03 |
| minimum elong | -12595 Feb 19 j 12:09 | 0° ♁ 25'34 | 7°48'29 | max. Earth dist. | -12593 Jul 19 j 03:22 | 29° ♁ 14'23 | 1.70803 AU |
| | -12595 Feb 20 j 04:45 | 30° ♁ | | | -12593 Jul 19 j 17:49 | 0° ♁ | |
| min. Earth dist. | -12595 Feb 20 j 12:01 | 29° ♁ 48'50 | 0.28941 AU | | -12593 Aug 12 j 14:14 | 0° ♁ | |
| morning rise | -12595 Feb 23 j 14:45 | 27° ♁ 56'04 | | evening rise | -12593 Aug 26 j 09:15 | 17° ♁ 14'27 | |
| direct | -12595 Mar 13 j 05:33 | 22° ♁ 12'28 | | | -12593 Sep 05 j 15:20 | 0° ♁ | |
| greatest brilliancy | -12595 Mar 24 j 12:12 | 24° ♁ 27'19 | -4.8m | desc. node | -12593 Sep 21 j 07:16 | 19° ♁ 24'08 | |
| | -12595 Apr 04 j 04:59 | 0° ♁ | | | -12593 Sep 29 j 21:32 | 0° ♁ | |
| desc. node | -12595 Apr 05 j 21:27 | 1° ♁ 06'16 | | | -12593 Oct 24 j 08:38 | 0° ♁ | |
| morning max el | -12595 May 02 j 03:06 | 23° ♁ 27'38 | 46°29'27 | | -12593 Nov 18 j 01:29 | 0° ♁ | |
| | -12595 May 08 j 14:18 | 0° ♁ | | | -12593 Dec 13 j 03:44 | 0° ♁ | |
| | -12595 Jun 04 j 20:40 | 0° ♁ | | | -12592 Jan 07 j 23:48 | 0° ♁ | |
| | -12595 Jun 30 j 03:58 | 0° ♁ | | asc. node | -12592 Jan 10 j 10:21 | 2° ♁ 45'57 | |
| | -12595 Jul 24 j 14:55 | 0° ♁ | | | -12592 Feb 04 j 07:23 | 0° ♁ | |
| asc. node | -12595 Jul 25 j 19:41 | 1° ♁ 29'05 | | evening max el | -12592 Feb 23 j 06:45 | 19° ♁ 03'10 | 45°29'44 |
| | -12595 Aug 17 j 17:48 | 0° ♁ | | | -12592 Mar 06 j 11:50 | 0° ♁ | |
| | -12595 Sep 10 j 19:52 | 0° ♁ | | greatest brilliancy | -12592 Apr 02 j 09:56 | 16° ♁ 54'39 | -4.8m |
| | -12595 Oct 05 j 01:14 | 0° ♁ | | retrograde | -12592 Apr 12 j 05:36 | 18° ♁ 37'24 | |
| | -12595 Oct 29 j 10:56 | 0° ♁ | | evening set | -12592 Apr 26 j 16:41 | 14° ♁ 42'09 | |
| morning set | -12595 Nov 07 j 08:39 | 10° ♁ 54'21 | | inferior conj | -12592 May 03 j 02:12 | 11° ♁ 07'30 | 0°03'44 |
| desc. node | -12595 Nov 16 j 07:07 | 21° ♁ 50'04 | | minimum elong | -12592 May 03 j 02:19 | 11° ♁ 07'19 | 0°03'05 |
| | -12595 Nov 22 j 23:26 | 0° ♁ | | transit middle | -12592 May 03 j 02:19 | 11° ♁ 07'19 | 0°03'05 |
| max. Earth dist. | -12595 Dec 14 j 16:17 | 26° ♁ 32'35 | 1.73830 AU | transit begin | -12592 May 02 j 22:15 | 11° ♁ 13'18 | |
| | | | | transit end | -12592 May 03 j 06:24 | 11° ♁ 01'20 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| desc. node | -12592 May 03 j 08:20 | 10°≈58'30 | | desc. node | -12590 Oct 18 j 19:47 | 5°Ω29'19 | |
| min. Earth dist. | -12592 May 03 j 14:40 | 10°≈49'13 | 0.26740 AU | | -12590 Nov 07 j 18:17 | 0°൬ | |
| morning rise | -12592 May 09 j 11:10 | 7°≈32'17 | | evening rise | -12590 Nov 11 j 21:11 | 5°൬03'31 | |
| direct | -12592 May 23 j 22:25 | 3°≈31'24 | | | -12590 Dec 02 j 05:37 | 0°Ω | |
| greatest brilliancy | -12592 Jun 04 j 10:45 | 5°≈57'56 | -4.9m | | -12590 Dec 26 j 18:45 | 0°൬ | |
| | -12592 Jul 06 j 22:04 | 0°✠ | | | -12589 Jan 20 j 11:40 | 0°✠ | |
| morning max el | -12592 Jul 13 j 13:42 | 6°✠36'37 | 46°39'35 | asc. node | -12589 Feb 06 j 20:41 | 20°✠53'19 | |
| | -12592 Aug 04 j 04:49 | 0°Υ | | | -12589 Feb 14 j 12:04 | 0°Ω | |
| asc. node | -12592 Aug 22 j 09:21 | 21°Υ00'51 | | | -12589 Mar 12 j 00:33 | 0°≈ | |
| | -12592 Aug 29 j 23:39 | 0°✠ | | | -12589 Apr 07 j 08:40 | 0°✠ | |
| | -12592 Sep 23 j 23:37 | 0°Π | | | -12589 May 05 j 10:34 | 0°Υ | |
| | -12592 Oct 18 j 18:57 | 0°Ω | | evening max el | -12589 May 08 j 05:06 | 2°Υ46'24 | 47°20'51 |
| | -12592 Nov 12 j 14:53 | 0°Ω | | desc. node | -12589 May 31 j 18:17 | 23°Υ42'03 | |
| | -12592 Dec 07 j 11:28 | 0°൬ | | | -12589 Jun 10 j 05:34 | 0°✠ | |
| desc. node | -12592 Dec 13 j 21:05 | 7°൬43'59 | | greatest brilliancy | -12589 Jun 18 j 09:45 | 3°✠46'13 | -4.9m |
| | -12591 Jan 01 j 06:08 | 0°Ω | | retrograde | -12589 Jun 27 j 21:25 | 5°✠27'55 | |
| morning set | -12591 Jan 16 j 13:49 | 18°Ω39'27 | | | -12589 Jul 14 j 16:04 | 30°✠Υ | |
| | -12591 Jan 25 j 20:17 | 0°൬ | | evening set | -12589 Jul 15 j 05:03 | 29°Υ40'52 | |
| max. Earth dist. | -12591 Feb 16 j 11:07 | 26°൬36'14 | 1.73215 AU | min. Earth dist. | -12589 Jul 17 j 17:23 | 28°Υ09'27 | 0.26608 AU |
| | -12591 Feb 19 j 05:04 | 0°✠ | | inferior conj | -12589 Jul 18 j 14:56 | 27°Υ36'20 | -8°34'57 |
| | | | | minimum elong | -12589 Jul 18 j 11:00 | 27°Υ42'23 | 8°34'22 |
| superior conj | -12591 Feb 20 j 22:47 | 2°✠08'58 | -1°14'47 | morning rise | -12589 Jul 21 j 17:09 | 25°Υ43'56 | |
| minimum elong | -12591 Feb 21 j 03:54 | 2°✠24'48 | 1°15'24 | direct | -12589 Aug 07 j 18:45 | 20°Υ04'40 | |
| | -12591 Mar 15 j 09:31 | 0°Ω | | greatest brilliancy | -12589 Aug 17 j 10:40 | 21°Υ52'31 | -4.9m |
| evening rise | -12591 Mar 27 j 23:10 | 15°Ω38'49 | | | -12589 Sep 01 j 01:43 | 0°✠ | |
| asc. node | -12591 Apr 03 j 17:20 | 24°Ω04'01 | | asc. node | -12589 Sep 19 j 21:38 | 16°✠02'01 | |
| | -12591 Apr 08 j 11:35 | 0°≈ | | morning max el | -12589 Sep 26 j 21:46 | 22°✠55'16 | 46°21'44 |
| | -12591 May 02 j 13:08 | 0°✠ | | | -12589 Oct 03 j 19:09 | 0°Π | |
| | -12591 May 26 j 15:47 | 0°Υ | | | -12589 Oct 31 j 05:19 | 0°Ω | |
| | -12591 Jun 19 j 21:27 | 0°✠ | | | -12589 Nov 26 j 10:15 | 0°Ω | |
| | -12591 Jul 14 j 09:08 | 0°Π | | | -12589 Dec 22 j 03:40 | 0°൬ | |
| desc. node | -12591 Jul 26 j 11:27 | 14°Π38'25 | | desc. node | -12588 Jan 11 j 11:18 | 23°൬59'31 | |
| | -12591 Aug 08 j 07:48 | 0°Ω | | | -12588 Jan 16 j 12:30 | 0°Ω | |
| | -12591 Sep 03 j 03:39 | 0°Ω | | | -12588 Feb 10 j 11:56 | 0°൬ | |
| evening max el | -12591 Sep 30 j 01:42 | 28°Ω57'17 | 46°05'06 | | -12588 Mar 06 j 01:35 | 0°✠ | |
| | -12591 Oct 01 j 02:48 | 0°൬ | | morning set | -12588 Mar 23 j 22:46 | 22°✠07'02 | |
| greatest brilliancy | -12591 Nov 07 j 06:36 | 28°൬29'35 | -4.8m | | -12588 Mar 30 j 06:48 | 0°Ω | |
| | -12591 Nov 11 j 19:37 | 0°Ω | | | -12588 Apr 23 j 06:08 | 0°≈ | |
| asc. node | -12591 Nov 14 j 17:12 | 0°Ω35'54 | | max. Earth dist. | -12588 Apr 25 j 04:10 | 2°≈24'37 | 1.71530 AU |
| retrograde | -12591 Nov 18 j 16:16 | 0°Ω54'28 | | | | | |
| | -12591 Nov 25 j 07:18 | 30°✠൬ | | superior conj | -12588 Apr 28 j 15:06 | 6°≈45'12 | -0°06'08 |
| evening set | -12591 Dec 04 j 05:00 | 26°൬04'46 | | minimum elong | -12588 Apr 28 j 16:28 | 6°≈49'30 | 0°06'42 |
| inferior conj | -12591 Dec 09 j 23:03 | 22°൬30'05 | 5°15'59 | behind sun begin | -12588 Apr 27 j 19:23 | 5°≈43'14 | |
| minimum elong | -12591 Dec 09 j 14:33 | 22°൬43'46 | 5°14'17 | behind sun end | -12588 Apr 29 j 13:33 | 7°≈55'46 | |
| min. Earth dist. | -12591 Dec 09 j 17:47 | 22°൬38'34 | 0.29361 AU | asc. node | -12588 May 01 j 06:10 | 10°≈03'27 | |
| morning rise | -12591 Dec 15 j 00:26 | 19°൬20'06 | | | -12588 May 17 j 02:17 | 0°✠ | |
| direct | -12591 Dec 31 j 17:30 | 13°൬58'31 | | evening rise | -12588 Jun 05 j 08:24 | 24°✠16'01 | |
| greatest brilliancy | -12590 Jan 09 j 23:07 | 15°൬31'36 | -4.7m | | -12588 Jun 09 j 21:39 | 0°Υ | |
| | -12590 Feb 03 j 04:11 | 0°Ω | | | -12588 Jul 03 j 18:26 | 0°✠ | |
| morning max el | -12590 Feb 18 j 15:41 | 13°Ω38'40 | 46°06'45 | | -12588 Jul 27 j 18:48 | 0°Π | |
| | -12590 Mar 07 j 00:35 | 0°൬ | | | -12588 Aug 21 j 00:42 | 0°Ω | |
| desc. node | -12590 Mar 08 j 11:54 | 1°൬32'29 | | desc. node | -12588 Aug 22 j 22:01 | 2°Ω19'21 | |
| | -12590 Apr 03 j 08:52 | 0°✠ | | | -12588 Sep 14 j 14:05 | 0°Ω | |
| | -12590 Apr 28 j 23:06 | 0°Ω | | | -12588 Oct 09 j 14:28 | 0°൬ | |
| | -12590 May 23 j 14:13 | 0°≈ | | | -12588 Nov 04 j 10:54 | 0°Ω | |
| | -12590 Jun 16 j 16:09 | 0°✠ | | | -12588 Dec 02 j 05:56 | 0°൬ | |
| asc. node | -12590 Jun 27 j 07:48 | 13°✠23'45 | | evening max el | -12588 Dec 09 j 13:52 | 7°൬14'11 | 44°50'22 |
| | -12590 Jul 10 j 11:35 | 0°Υ | | asc. node | -12588 Dec 12 j 02:56 | 9°൬39'21 | |
| | -12590 Aug 03 j 05:38 | 0°✠ | | | -12587 Jan 06 j 21:04 | 0°✠ | |
| morning set | -12590 Aug 20 j 02:36 | 21°✠14'51 | | greatest brilliancy | -12587 Jan 16 j 00:35 | 4°✠22'59 | -4.7m |
| | -12590 Aug 27 j 02:03 | 0°Π | | retrograde | -12587 Jan 26 j 13:18 | 6°✠21'44 | |
| | -12590 Sep 20 j 03:02 | 0°Ω | | evening set | -12587 Feb 13 j 01:54 | 0°✠43'07 | |
| | | | | | -12587 Feb 14 j 07:08 | 30°✠൬ | |
| superior conj | -12590 Oct 01 j 15:43 | 14°Ω17'32 | 0°37'18 | inferior conj | -12587 Feb 16 j 22:56 | 28°൬22'51 | 7°54'23 |
| minimum elong | -12590 Oct 02 j 00:54 | 14°Ω45'55 | 0°37'42 | minimum elong | -12587 Feb 17 j 03:22 | 28°൬16'00 | 7°53'25 |
| max. Earth dist. | -12590 Oct 07 j 08:15 | 21°Ω19'35 | 1.72585 AU | min. Earth dist. | -12587 Feb 18 j 03:16 | 27°൬39'13 | 0.29004 AU |
| | -12590 Oct 14 j 08:53 | 0°Ω | | morning rise | -12587 Feb 21 j 04:24 | 25°൬48'42 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|--------------------------|------------|---------------------|-----------------------|--------------------------|------------|
| direct | -12587 Mar 10 j 21:26 | 20° \mathbb{M} 00'30 | | | -12585 Sep 05 j 02:38 | 0° \mathfrak{C} | |
| greatest brilliancy | -12587 Mar 22 j 03:49 | 22° \mathbb{M} 15'00 | -4.8m | desc. node | -12585 Sep 20 j 09:25 | 18° \mathfrak{C} 55'47 | |
| desc. node | -12587 Apr 04 j 23:38 | 29° \mathbb{M} 51'40 | | | -12585 Sep 29 j 08:54 | 0° Ω | |
| | -12587 Apr 05 j 04:25 | 0° \mathfrak{A} | | | -12585 Oct 23 j 20:11 | 0° \mathfrak{M} | |
| morning max el | -12587 Apr 29 j 18:36 | 21° \mathfrak{A} 11'41 | 46°28'57 | | -12585 Nov 17 j 13:26 | 0° \mathfrak{L} | |
| | -12587 May 08 j 10:25 | 0° \mathfrak{B} | | | -12585 Dec 12 j 16:29 | 0° \mathbb{M} | |
| | -12587 Jun 04 j 12:07 | 0° \approx | | | -12584 Jan 07 j 14:14 | 0° \mathfrak{A} | |
| | -12587 Jun 29 j 17:34 | 0° \mathfrak{H} | | asc. node | -12584 Jan 09 j 12:47 | 2° \mathfrak{A} 11'32 | |
| | -12587 Jul 24 j 03:36 | 0° \mathfrak{Y} | | | -12584 Feb 04 j 01:46 | 0° \mathfrak{B} | |
| asc. node | -12587 Jul 24 j 22:03 | 0° \mathfrak{Y} 57'10 | | evening max el | -12584 Feb 20 j 21:08 | 16° \mathfrak{B} 46'30 | 45°26'34 |
| | -12587 Aug 17 j 05:57 | 0° \mathfrak{B} | | | -12584 Mar 06 j 21:20 | 0° \approx | |
| | -12587 Sep 10 j 07:42 | 0° \mathbb{I} | | greatest brilliancy | -12584 Mar 30 j 21:10 | 14° \approx 29'52 | -4.8m |
| | -12587 Oct 04 j 12:51 | 0° \mathfrak{C} | | retrograde | -12584 Apr 09 j 17:34 | 16° \approx 12'37 | |
| | -12587 Oct 28 j 22:21 | 0° Ω | | evening set | -12584 Apr 24 j 05:36 | 12° \approx 16'26 | |
| morning set | -12587 Nov 04 j 21:42 | 8° Ω 32'41 | | inferior conj | -12584 Apr 30 j 14:11 | 8° \approx 42'28 | 0°26'56 |
| desc. node | -12587 Nov 15 j 09:09 | 21° Ω 21'56 | | minimum elong | -12584 Apr 30 j 15:11 | 8° \approx 40'59 | 0°26'01 |
| | -12587 Nov 22 j 10:39 | 0° \mathfrak{M} | | min. Earth dist. | -12584 May 01 j 04:04 | 8° \approx 22'04 | 0.26796 AU |
| max. Earth dist. | -12587 Dec 12 j 12:05 | 24° \mathfrak{M} 32'24 | 1.73821 AU | desc. node | -12584 May 02 j 10:31 | 7° \approx 37'31 | |
| | | | | morning rise | -12584 May 07 j 00:02 | 5° \approx 05'57 | |
| superior conj | -12587 Dec 14 j 03:18 | 26° \mathfrak{M} 32'23 | -0°57'48 | direct | -12584 May 21 j 12:09 | 1° \approx 05'20 | |
| minimum elong | -12587 Dec 13 j 18:42 | 26° \mathfrak{M} 06'06 | 0°57'27 | greatest brilliancy | -12584 Jun 02 j 00:21 | 3° \approx 31'51 | -4.9m |
| | -12587 Dec 16 j 23:07 | 0° \mathfrak{L} | | | -12584 Jul 06 j 23:36 | 0° \mathfrak{H} | |
| | -12586 Jan 10 j 09:58 | 0° \mathbb{M} | | morning max el | -12584 Jul 11 j 03:05 | 4° \mathfrak{H} 09'42 | 46°39'49 |
| evening rise | -12586 Jan 19 j 03:57 | 10° \mathbb{M} 45'16 | | | -12584 Aug 03 j 22:05 | 0° \mathfrak{Y} | |
| greatest brilliancy | -12586 Jan 26 j 09:34 | 19° \mathbb{M} 39'15 | -3.9m | asc. node | -12584 Aug 21 j 11:32 | 20° \mathfrak{Y} 22'48 | |
| | -12586 Feb 03 j 19:17 | 0° \mathfrak{A} | | | -12584 Aug 29 j 14:07 | 0° \mathfrak{B} | |
| | -12586 Feb 28 j 04:41 | 0° \mathfrak{B} | | | -12584 Sep 23 j 12:40 | 0° \mathbb{I} | |
| asc. node | -12586 Mar 06 j 07:37 | 7° \mathfrak{B} 31'06 | | | -12584 Oct 18 j 07:11 | 0° \mathfrak{C} | |
| | -12586 Mar 24 j 16:09 | 0° \approx | | | -12584 Nov 12 j 02:34 | 0° Ω | |
| | -12586 Apr 18 j 07:21 | 0° \mathfrak{H} | | | -12584 Dec 06 j 22:46 | 0° \mathfrak{M} | |
| | -12586 May 13 j 04:26 | 0° \mathfrak{Y} | | desc. node | -12584 Dec 12 j 23:18 | 7° \mathfrak{M} 16'44 | |
| | -12586 Jun 07 j 12:42 | 0° \mathfrak{B} | | | -12584 Dec 31 j 17:10 | 0° \mathfrak{L} | |
| desc. node | -12586 Jun 28 j 03:55 | 23° \mathfrak{B} 36'48 | | morning set | -12583 Jan 14 j 08:05 | 16° \mathfrak{L} 35'20 | |
| | -12586 Jul 03 j 22:13 | 0° \mathbb{I} | | | -12583 Jan 25 j 07:11 | 0° \mathbb{M} | |
| evening max el | -12586 Jul 19 j 01:33 | 16° \mathbb{I} 05'18 | 47°46'44 | max. Earth dist. | -12583 Feb 14 j 06:38 | 24° \mathbb{M} 34'48 | 1.73260 AU |
| | -12586 Aug 02 j 10:46 | 0° \mathfrak{C} | | | | | |
| greatest brilliancy | -12586 Aug 29 j 11:34 | 18° \mathfrak{C} 27'36 | -4.9m | superior conj | -12583 Feb 18 j 18:38 | 0° \mathfrak{A} 08'25 | -1°15'47 |
| retrograde | -12586 Sep 08 j 10:23 | 20° \mathfrak{C} 23'47 | | minimum elong | -12583 Feb 18 j 23:20 | 0° \mathfrak{A} 22'57 | 1°16'23 |
| evening set | -12586 Sep 24 j 02:47 | 15° \mathfrak{C} 21'44 | | | -12583 Feb 18 j 15:55 | 0° \mathfrak{A} | |
| inferior conj | -12586 Sep 29 j 09:22 | 12° \mathfrak{C} 03'06 | -4°07'05 | | -12583 Mar 14 j 20:25 | 0° \mathfrak{B} | |
| minimum elong | -12586 Sep 29 j 16:59 | 11° \mathfrak{C} 50'49 | 4°04'17 | evening rise | -12583 Mar 25 j 18:08 | 13° \mathfrak{B} 34'09 | |
| min. Earth dist. | -12586 Sep 28 j 22:34 | 12° \mathfrak{C} 20'34 | 0.27888 AU | asc. node | -12583 Apr 02 j 19:28 | 23° \mathfrak{B} 36'14 | |
| morning rise | -12586 Oct 05 j 07:47 | 8° \mathfrak{C} 22'55 | | | -12583 Apr 07 j 22:40 | 0° \approx | |
| asc. node | -12586 Oct 17 j 08:55 | 4° \mathfrak{C} 05'34 | | | -12583 May 02 j 00:32 | 0° \mathfrak{H} | |
| direct | -12586 Oct 20 j 01:08 | 3° \mathfrak{C} 56'39 | | | -12583 May 26 j 03:33 | 0° \mathfrak{Y} | |
| greatest brilliancy | -12586 Oct 29 j 07:01 | 5° \mathfrak{C} 33'48 | -4.8m | | -12583 Jun 19 j 09:40 | 0° \mathfrak{B} | |
| | -12586 Dec 03 j 06:25 | 0° Ω | | | -12583 Jul 13 j 21:56 | 0° \mathbb{I} | |
| morning max el | -12586 Dec 08 j 02:44 | 4° Ω 34'08 | 46°02'55 | desc. node | -12583 Jul 25 j 13:48 | 14° \mathbb{I} 05'43 | |
| | -12585 Jan 02 j 00:24 | 0° \mathfrak{M} | | | -12583 Aug 07 j 21:35 | 0° \mathfrak{C} | |
| | -12585 Jan 29 j 05:19 | 0° \mathfrak{L} | | | -12583 Sep 02 j 19:28 | 0° Ω | |
| desc. node | -12585 Feb 08 j 01:12 | 11° \mathfrak{L} 12'22 | | evening max el | -12583 Sep 27 j 17:51 | 26° Ω 44'23 | 46°08'55 |
| | -12585 Feb 24 j 05:17 | 0° \mathbb{M} | | | -12583 Oct 01 j 00:42 | 0° \mathfrak{M} | |
| | -12585 Mar 21 j 09:04 | 0° \mathfrak{A} | | greatest brilliancy | -12583 Nov 05 j 01:28 | 26° \mathfrak{M} 24'18 | -4.8m |
| | -12585 Apr 14 j 21:40 | 0° \mathfrak{B} | | asc. node | -12583 Nov 13 j 19:23 | 28° \mathfrak{M} 40'02 | |
| | -12585 May 08 j 23:35 | 0° \approx | | retrograde | -12583 Nov 16 j 09:53 | 28° \mathfrak{M} 48'07 | |
| greatest brilliancy | -12585 May 29 j 17:14 | 26° \approx 06'54 | -3.9m | evening set | -12583 Dec 01 j 21:05 | 24° \mathfrak{M} 01'04 | |
| asc. node | -12585 May 29 j 19:46 | 26° \approx 14'56 | | inferior conj | -12583 Dec 07 j 16:45 | 20° \mathfrak{M} 23'34 | 5°02'07 |
| morning set | -12585 Jun 01 j 20:53 | 0° \mathfrak{H} 05'54 | | minimum elong | -12583 Dec 07 j 08:25 | 20° \mathfrak{M} 37'02 | 5°00'25 |
| | -12585 Jun 01 j 19:01 | 0° \mathfrak{H} | | min. Earth dist. | -12583 Dec 07 j 10:51 | 20° \mathfrak{M} 33'06 | 0.29327 AU |
| | -12585 Jun 25 j 11:46 | 0° \mathfrak{Y} | | morning rise | -12583 Dec 12 j 20:06 | 17° \mathfrak{M} 10'15 | |
| | | | | direct | -12583 Dec 29 j 10:40 | 11° \mathfrak{M} 52'35 | |
| superior conj | -12585 Jul 11 j 20:31 | 20° \mathfrak{Y} 42'23 | 1°17'33 | greatest brilliancy | -12582 Jan 07 j 15:11 | 13° \mathfrak{M} 24'39 | -4.7m |
| minimum elong | -12585 Jul 11 j 12:53 | 20° \mathfrak{Y} 18'15 | 1°17'42 | | -12582 Feb 03 j 10:49 | 0° \mathfrak{L} | |
| max. Earth dist. | -12585 Jul 16 j 08:55 | 26° \mathfrak{Y} 24'51 | 1.70775 AU | morning max el | -12582 Feb 16 j 07:21 | 11° \mathfrak{L} 29'20 | 46°06'01 |
| | -12585 Jul 19 j 05:05 | 0° \mathfrak{B} | | | -12582 Mar 06 j 18:04 | 0° \mathbb{M} | |
| | -12585 Aug 12 j 01:31 | 0° \mathbb{I} | | desc. node | -12582 Mar 07 j 14:00 | 0° \mathbb{M} 52'33 | |
| evening rise | -12585 Aug 23 j 16:30 | 14° \mathbb{I} 32'17 | | | -12582 Apr 02 j 23:00 | 0° \mathfrak{A} | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|--|
| | -12582 Apr 28 j 11:48 | 0°♄ | | | -12580 Oct 09 j 03:32 | 0°♍ | | |
| | -12582 May 23 j 02:13 | 0°♎ | | | -12580 Nov 04 j 01:43 | 0°♏ | | |
| | -12582 Jun 16 j 03:47 | 0°♐ | | | -12580 Dec 02 j 01:44 | 0°♑ | | |
| asc. node | -12582 Jun 26 j 10:05 | 12°♐54'39 | | evening max el | -12580 Dec 07 j 05:01 | 5°♑02'23 | 44°51'28 | |
| | -12582 Jul 09 j 23:02 | 0°♑ | | asc. node | -12580 Dec 11 j 05:26 | 8°♑50'22 | | |
| | -12582 Aug 02 j 16:57 | 0°♒ | | | -12579 Jan 08 j 10:58 | 0°♓ | | |
| morning set | -12582 Aug 17 j 11:30 | 18°♒36'40 | | greatest brilliancy | -12579 Jan 13 j 14:39 | 2°♓13'45 | -4.7m | |
| | -12582 Aug 26 j 13:16 | 0°♓ | | retrograde | -12579 Jan 24 j 05:51 | 4°♓14'51 | | |
| | -12582 Sep 19 j 14:10 | 0°♈ | | | -12579 Feb 08 j 05:13 | 30°♈♑ | | |
| | | | | evening set | -12579 Feb 10 j 18:56 | 28°♑33'43 | | |
| superior conj | -12582 Sep 29 j 01:27 | 11°♈44'45 | 0°40'41 | inferior conj | -12579 Feb 14 j 15:11 | 26°♑14'25 | 7°58'27 | |
| minimum elong | -12582 Sep 29 j 11:15 | 12°♈15'08 | 0°41'03 | minimum elong | -12579 Feb 14 j 18:59 | 26°♑08'34 | 7°57'35 | |
| max. Earth dist. | -12582 Oct 05 j 01:40 | 19°♈10'56 | 1.72510 AU | min. Earth dist. | -12579 Feb 15 j 18:25 | 25°♑32'29 | 0.29066 AU | |
| | -12582 Oct 13 j 19:55 | 0°♉ | | morning rise | -12579 Feb 18 j 18:39 | 23°♑43'13 | | |
| desc. node | -12582 Oct 17 j 21:53 | 5°♉01'53 | | direct | -12579 Mar 08 j 14:08 | 17°♑50'49 | | |
| | -12582 Nov 07 j 05:15 | 0°♊ | | greatest brilliancy | -12579 Mar 19 j 19:08 | 20°♑04'20 | -4.8m | |
| evening rise | -12582 Nov 09 j 11:42 | 2°♊47'08 | | desc. node | -12579 Apr 04 j 01:48 | 28°♑40'36 | | |
| | -12582 Dec 01 j 16:37 | 0°♋ | | | -12579 Apr 05 j 21:08 | 0°♓ | | |
| | -12582 Dec 26 j 05:56 | 0°♌ | | morning max el | -12579 Apr 27 j 11:08 | 18°♓59'28 | 46°28'06 | |
| | -12581 Jan 19 j 23:19 | 0°♓ | | | -12579 May 08 j 05:40 | 0°♈ | | |
| asc. node | -12581 Feb 05 j 22:57 | 20°♓23'38 | | | -12579 Jun 04 j 03:13 | 0°♉ | | |
| | -12581 Feb 14 j 00:34 | 0°♈ | | | -12579 Jun 29 j 06:58 | 0°♊ | | |
| | -12581 Mar 11 j 14:32 | 0°♉ | | | -12579 Jul 23 j 16:08 | 0°♋ | | |
| | -12581 Apr 07 j 01:23 | 0°♊ | | asc. node | -12579 Jul 24 j 00:13 | 0°♌25'04 | | |
| | -12581 May 05 j 09:59 | 0°♋ | | | -12579 Aug 16 j 17:58 | 0°♍ | | |
| evening max el | -12581 May 05 j 17:37 | 0°♌18'54 | 47°17'22 | | -12579 Sep 09 j 19:23 | 0°♎ | | |
| desc. node | -12581 May 30 j 20:37 | 22°♌22'05 | | | -12579 Oct 04 j 00:16 | 0°♏ | | |
| | -12581 Jun 12 j 17:07 | 0°♍ | | | -12579 Oct 28 j 09:32 | 0°♑ | | |
| greatest brilliancy | -12581 Jun 15 j 22:23 | 1°♍15'44 | -4.9m | morning set | -12579 Nov 02 j 10:41 | 6°♑11'19 | | |
| retrograde | -12581 Jun 25 j 09:03 | 2°♍56'40 | | desc. node | -12579 Nov 14 j 11:22 | 20°♑54'54 | | |
| | -12581 Jul 07 j 11:38 | 30°♎♑ | | | -12579 Nov 21 j 21:39 | 0°♒ | | |
| evening set | -12581 Jul 12 j 14:11 | 27°♑15'28 | | max. Earth dist. | -12579 Dec 10 j 09:12 | 22°♒36'42 | 1.73808 AU | |
| min. Earth dist. | -12581 Jul 15 j 06:04 | 25°♑39'05 | 0.26574 AU | | | | | |
| inferior conj | -12581 Jul 16 j 03:12 | 25°♑06'40 | -8°29'45 | superior conj | -12579 Dec 11 j 20:14 | 24°♒23'57 | -0°55'35 | |
| minimum elong | -12581 Jul 15 j 22:24 | 25°♑14'01 | 8°29'03 | minimum elong | -12579 Dec 11 j 11:36 | 23°♒57'30 | 0°55'13 | |
| morning rise | -12581 Jul 19 j 06:47 | 23°♑12'23 | | | -12579 Dec 16 j 10:00 | 0°♈ | | |
| direct | -12581 Aug 05 j 06:24 | 17°♑35'44 | | | -12578 Jan 09 j 20:50 | 0°♉ | | |
| greatest brilliancy | -12581 Aug 15 j 00:36 | 19°♑25'06 | -4.9m | evening rise | -12578 Jan 16 j 23:46 | 8°♑45'15 | | |
| | -12581 Sep 01 j 21:48 | 0°♒ | | greatest brilliancy | -12578 Jan 25 j 02:27 | 18°♑43'47 | -3.9m | |
| asc. node | -12581 Sep 18 j 23:50 | 15°♒04'54 | | | -12578 Feb 03 j 06:16 | 0°♓ | | |
| morning max el | -12581 Sep 24 j 09:49 | 20°♒26'35 | 46°22'39 | | -12578 Feb 27 j 15:57 | 0°♈ | | |
| | -12581 Oct 03 j 15:28 | 0°♓ | | asc. node | -12578 Mar 05 j 09:51 | 7°♈03'08 | | |
| | -12581 Oct 30 j 20:49 | 0°♈ | | | -12578 Mar 24 j 03:53 | 0°♉ | | |
| | -12581 Nov 25 j 23:40 | 0°♉ | | | -12578 Apr 17 j 19:47 | 0°♊ | | |
| | -12581 Dec 21 j 15:56 | 0°♊ | | | -12578 May 12 j 17:56 | 0°♋ | | |
| desc. node | -12580 Jan 10 j 13:30 | 23°♊31'26 | | | -12578 Jun 07 j 03:53 | 0°♌ | | |
| | -12580 Jan 16 j 00:04 | 0°♋ | | desc. node | -12578 Jun 27 j 06:15 | 22°♌54'25 | | |
| | -12580 Feb 09 j 23:03 | 0°♌ | | | -12578 Jul 03 j 16:49 | 0°♍ | | |
| | -12580 Mar 05 j 12:29 | 0°♍ | | evening max el | -12578 Jul 16 j 17:55 | 13°♍47'49 | 47°48'32 | |
| morning set | -12580 Mar 21 j 18:03 | 20°♍04'02 | | | -12578 Aug 02 j 17:27 | 0°♎ | | |
| | -12580 Mar 29 j 17:40 | 0°♈ | | greatest brilliancy | -12578 Aug 27 j 03:55 | 16°♎08'32 | -4.9m | |
| | -12580 Apr 22 j 17:04 | 0°♉ | | retrograde | -12578 Sep 06 j 02:42 | 18°♎04'37 | | |
| max. Earth dist. | -12580 Apr 22 j 20:10 | 0°♉09'43 | 1.71592 AU | evening set | -12578 Sep 21 j 20:48 | 12°♎59'03 | | |
| | | | | min. Earth dist. | -12578 Sep 26 j 13:43 | 10°♎02'22 | 0.27838 AU | |
| superior conj | -12580 Apr 26 j 08:13 | 4°♉33'44 | -0°09'18 | inferior conj | -12578 Sep 27 j 00:56 | 9°♎44'16 | -4°25'29 | |
| minimum elong | -12580 Apr 26 j 10:13 | 4°♉40'01 | 0°09'52 | minimum elong | -12578 Sep 27 j 08:58 | 9°♎31'20 | 4°22'37 | |
| behind sun begin | -12580 Apr 25 j 15:58 | 3°♉42'40 | | morning rise | -12578 Oct 02 j 21:47 | 6°♎06'55 | | |
| behind sun end | -12580 Apr 27 j 04:29 | 5°♉37'24 | | asc. node | -12578 Oct 16 j 11:08 | 1°♎40'47 | | |
| asc. node | -12580 Apr 30 j 08:21 | 9°♉35'52 | | direct | -12578 Oct 17 j 16:20 | 1°♎38'57 | | |
| | -12580 May 16 j 13:20 | 0°♊ | | greatest brilliancy | -12578 Oct 26 j 21:47 | 3°♎16'24 | -4.8m | |
| evening rise | -12580 Jun 02 j 21:59 | 21°♊52'31 | | | -12578 Dec 03 j 06:54 | 0°♑ | | |
| | -12580 Jun 09 j 08:51 | 0°♋ | | morning max el | -12578 Dec 05 j 19:24 | 2°♑24'05 | 46°03'15 | |
| | -12580 Jul 03 j 05:49 | 0°♌ | | | -12577 Jan 01 j 16:52 | 0°♒ | | |
| | -12580 Jul 27 j 06:23 | 0°♍ | | | -12577 Jan 28 j 19:03 | 0°♈ | | |
| | -12580 Aug 20 j 12:34 | 0°♎ | | desc. node | -12577 Feb 07 j 03:11 | 10°♈40'17 | | |
| desc. node | -12580 Aug 22 j 00:10 | 1°♎49'26 | | | -12577 Feb 23 j 17:42 | 0°♉ | | |
| | -12580 Sep 14 j 02:22 | 0°♏ | | | -12577 Mar 20 j 20:47 | 0°♊ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | | | |
|---------------------|-----------------------|------------|------------|--|--|---------------------|-----------------------|-----------|------------|--|--|
| | -12577 Apr 14 j 09:01 | 0°♄ | | | | | -12575 Oct 01 j 00:01 | 0°♍ | | | |
| | -12577 May 08 j 10:46 | 0°♊ | | | | greatest brilliancy | -12575 Nov 02 j 20:29 | 24°♍17'20 | -4.8m | | |
| asc. node | -12577 May 28 j 22:07 | 25°♊47'05 | | | | asc. node | -12575 Nov 12 j 21:51 | 26°♍38'11 | | | |
| greatest brilliancy | -12577 May 28 j 19:42 | 25°♊39'28 | -3.9m | | | retrograde | -12575 Nov 14 j 03:08 | 26°♍39'59 | | | |
| morning set | -12577 May 30 j 11:21 | 27°♊44'40 | | | | evening set | -12575 Nov 29 j 13:03 | 21°♍55'17 | | | |
| | -12577 Jun 01 j 06:11 | 0°♋ | | | | inferior conj | -12575 Dec 05 j 10:19 | 18°♍15'21 | 4°47'37 | | |
| | -12577 Jun 24 j 23:00 | 0°♌ | | | | minimum elong | -12575 Dec 05 j 02:10 | 18°♍28'31 | 4°45'56 | | |
| | | | | | | min. Earth dist. | -12575 Dec 05 j 04:05 | 18°♍25'26 | 0.29290 AU | | |
| superior conj | -12577 Jul 09 j 06:44 | 18°♌07'19 | 1°16'06 | | | morning rise | -12575 Dec 10 j 15:36 | 14°♍58'46 | | | |
| minimum elong | -12577 Jul 08 j 22:27 | 17°♌41'07 | 1°16'10 | | | direct | -12575 Dec 27 j 03:10 | 9°♍44'53 | | | |
| max. Earth dist. | -12577 Jul 13 j 13:29 | 23°♌31'57 | 1.70756 AU | | | greatest brilliancy | -12574 Jan 05 j 07:37 | 11°♍16'36 | -4.7m | | |
| | -12577 Jul 18 j 16:24 | 0°♍ | | | | | -12574 Feb 03 j 15:54 | 0°♎ | | | |
| | -12577 Aug 11 j 12:53 | 0°♎ | | | | morning max el | -12574 Feb 13 j 22:24 | 9°♎17'35 | 46°05'29 | | |
| evening rise | -12577 Aug 20 j 23:13 | 11°♎47'52 | | | | | -12574 Mar 06 j 11:29 | 0°♏ | | | |
| | -12577 Sep 04 j 14:03 | 0°♏ | | | | desc. node | -12574 Mar 06 j 16:14 | 0°♏12'34 | | | |
| desc. node | -12577 Sep 19 j 11:38 | 18°♏27'12 | | | | | -12574 Apr 02 j 13:15 | 0°♐ | | | |
| | -12577 Sep 28 j 20:23 | 0°♐ | | | | | -12574 Apr 28 j 00:41 | 0°♑ | | | |
| | -12577 Oct 23 j 07:51 | 0°♑ | | | | | -12574 May 22 j 14:25 | 0°♒ | | | |
| | -12577 Nov 17 j 01:29 | 0°♒ | | | | | -12574 Jun 15 j 15:37 | 0°♋ | | | |
| | -12577 Dec 12 j 05:22 | 0°♓ | | | | asc. node | -12574 Jun 25 j 12:16 | 12°♋24'37 | | | |
| | -12576 Jan 07 j 04:51 | 0°♌ | | | | | -12574 Jul 09 j 10:40 | 0°♌ | | | |
| asc. node | -12576 Jan 08 j 15:04 | 1°♌36'18 | | | | | -12574 Aug 02 j 04:28 | 0°♍ | | | |
| | -12576 Feb 03 j 20:36 | 0°♍ | | | | morning set | -12574 Aug 14 j 20:44 | 15°♍58'41 | | | |
| evening max el | -12576 Feb 18 j 11:32 | 14°♍30'09 | 45°23'33 | | | | -12574 Aug 26 j 00:42 | 0°♎ | | | |
| | -12576 Mar 07 j 09:45 | 0°♎ | | | | | -12574 Sep 19 j 01:33 | 0°♏ | | | |
| greatest brilliancy | -12576 Mar 28 j 09:24 | 12°♎07'24 | -4.8m | | | | | | | | |
| retrograde | -12576 Apr 07 j 05:28 | 13°♎49'26 | | | | superior conj | -12574 Sep 26 j 11:03 | 9°♏10'38 | 0°43'58 | | |
| evening set | -12576 Apr 21 j 19:08 | 9°♎52'11 | | | | minimum elong | -12574 Sep 26 j 21:25 | 9°♏42'44 | 0°44'20 | | |
| inferior conj | -12576 Apr 28 j 02:37 | 6°♎19'12 | 0°49'45 | | | max. Earth dist. | -12574 Oct 02 j 17:04 | 16°♏54'58 | 1.72442 AU | | |
| minimum elong | -12576 Apr 28 j 04:29 | 6°♎16'27 | 0°48'32 | | | | -12574 Oct 13 j 07:17 | 0°♐ | | | |
| min. Earth dist. | -12576 Apr 28 j 18:04 | 5°♎56'26 | 0.26853 AU | | | desc. node | -12574 Oct 17 j 00:09 | 4°♐33'54 | | | |
| desc. node | -12576 May 01 j 12:48 | 4°♎19'33 | | | | | -12574 Nov 06 j 16:36 | 0°♑ | | | |
| morning rise | -12576 May 04 j 13:04 | 2°♎41'25 | | | | evening rise | -12574 Nov 07 j 01:37 | 0°♑27'43 | | | |
| | -12576 May 10 j 21:35 | 30°♒♄ | | | | | -12574 Dec 01 j 04:01 | 0°♒ | | | |
| direct | -12576 May 19 j 01:46 | 28°♒♄41'01 | | | | | -12574 Dec 25 j 17:32 | 0°♓ | | | |
| | -12576 May 27 j 10:39 | 0°♓ | | | | | -12573 Jan 19 j 11:23 | 0°♌ | | | |
| greatest brilliancy | -12576 May 30 j 14:23 | 1°♓07'22 | -4.9m | | | asc. node | -12573 Feb 05 j 01:13 | 19°♌52'46 | | | |
| | -12576 Jul 06 j 23:49 | 0°♋ | | | | | -12573 Feb 13 j 13:30 | 0°♍ | | | |
| morning max el | -12576 Jul 08 j 15:41 | 1°♋40'56 | 46°39'46 | | | | -12573 Mar 11 j 05:01 | 0°♎ | | | |
| | -12576 Aug 03 j 15:06 | 0°♌ | | | | | -12573 Apr 06 j 18:46 | 0°♋ | | | |
| asc. node | -12576 Aug 20 j 13:42 | 19°♌44'35 | | | | evening max el | -12573 May 03 j 05:42 | 27°♋49'41 | 47°13'57 | | |
| | -12576 Aug 29 j 04:36 | 0°♍ | | | | | -12573 May 05 j 10:48 | 0°♌ | | | |
| | -12576 Sep 23 j 01:54 | 0°♎ | | | | desc. node | -12573 May 29 j 22:59 | 20°♌58'50 | | | |
| | -12576 Oct 17 j 19:37 | 0°♏ | | | | greatest brilliancy | -12573 Jun 13 j 10:53 | 28°♌44'30 | -4.9m | | |
| | -12576 Nov 11 j 14:28 | 0°♐ | | | | | -12573 Jun 18 j 05:41 | 0°♍ | | | |
| | -12576 Dec 06 j 10:15 | 0°♑ | | | | retrograde | -12573 Jun 22 j 20:59 | 0°♍25'17 | | | |
| desc. node | -12576 Dec 12 j 01:30 | 6°♑48'57 | | | | | -12573 Jun 27 j 10:14 | 30°♒♌ | | | |
| | -12576 Dec 31 j 04:23 | 0°♒ | | | | evening set | -12573 Jul 09 j 23:04 | 24°♑49'57 | | | |
| morning set | -12575 Jan 12 j 02:12 | 14°♒30'17 | | | | min. Earth dist. | -12573 Jul 12 j 18:43 | 23°♑08'28 | 0.26541 AU | | |
| | -12575 Jan 24 j 18:13 | 0°♓ | | | | inferior conj | -12573 Jul 13 j 15:32 | 22°♑36'41 | -8°23'20 | | |
| max. Earth dist. | -12575 Feb 12 j 01:23 | 22°♓30'39 | 1.73304 AU | | | minimum elong | -12573 Jul 13 j 09:56 | 22°♑45'15 | 8°22'34 | | |
| | | | | | | morning rise | -12573 Jul 16 j 20:55 | 20°♑40'05 | | | |
| superior conj | -12575 Feb 16 j 14:39 | 28°♓07'59 | -1°16'41 | | | direct | -12573 Aug 02 j 18:12 | 15°♑06'17 | | | |
| minimum elong | -12575 Feb 16 j 18:54 | 28°♓21'07 | 1°17'18 | | | greatest brilliancy | -12573 Aug 12 j 14:32 | 16°♑57'26 | -4.9m | | |
| | -12575 Feb 18 j 02:55 | 0°♌ | | | | | -12573 Sep 02 j 12:58 | 0°♍ | | | |
| | -12575 Mar 14 j 07:30 | 0°♍ | | | | asc. node | -12573 Sep 18 j 02:08 | 14°♍08'48 | | | |
| evening rise | -12575 Mar 23 j 13:29 | 11°♍30'14 | | | | morning max el | -12573 Sep 21 j 22:28 | 17°♍58'46 | 46°23'33 | | |
| asc. node | -12575 Apr 01 j 21:46 | 23°♍08'25 | | | | | -12573 Oct 03 j 11:23 | 0°♎ | | | |
| | -12575 Apr 07 j 09:56 | 0°♏ | | | | | -12573 Oct 30 j 12:24 | 0°♏ | | | |
| | -12575 May 01 j 12:04 | 0°♋ | | | | | -12573 Nov 25 j 13:21 | 0°♐ | | | |
| | -12575 May 25 j 15:27 | 0°♌ | | | | | -12573 Dec 21 j 04:33 | 0°♑ | | | |
| | -12575 Jun 18 j 22:01 | 0°♍ | | | | desc. node | -12572 Jan 09 j 15:31 | 23°♑01'34 | | | |
| | -12575 Jul 13 j 10:55 | 0°♎ | | | | | -12572 Jan 15 j 12:00 | 0°♒ | | | |
| desc. node | -12575 Jul 24 j 15:56 | 13°♎31'44 | | | | | -12572 Feb 09 j 10:34 | 0°♓ | | | |
| | -12575 Aug 07 j 11:40 | 0°♏ | | | | | -12572 Mar 04 j 23:46 | 0°♌ | | | |
| | -12575 Sep 02 j 11:52 | 0°♐ | | | | morning set | -12572 Mar 19 j 13:11 | 17°♌59'40 | | | |
| evening max el | -12575 Sep 25 j 09:08 | 24°♐27'53 | 46°12'37 | | | | -12572 Mar 29 j 04:52 | 0°♍ | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------------------|------------|---------------------|-----------------------|---------------------------|------------|
| max. Earth dist. | -12572 Apr 20 j 13:12 | 27° S 57'15 | 1.71651 AU | retrograde | -12570 Sep 03 j 19:00 | 15° S 44'27 | |
| | -12572 Apr 22 j 04:19 | 0° \approx | | evening set | -12570 Sep 19 j 14:53 | 10° S 35'35 | |
| | | | | min. Earth dist. | -12570 Sep 24 j 04:40 | 7° S 43'31 | 0.27785 AU |
| superior conj | -12572 Apr 24 j 01:21 | 2° \approx 21'24 | -0°12'28 | inferior conj | -12570 Sep 24 j 16:26 | 7° S 24'35 | -4°43'33 |
| minimum elong | -12572 Apr 24 j 03:57 | 2° \approx 29'37 | 0°13'01 | minimum elong | -12570 Sep 25 j 00:51 | 7° S 11'03 | 4°40'38 |
| behind sun begin | -12572 Apr 23 j 14:28 | 1° \approx 47'13 | | morning rise | -12570 Sep 30 j 11:30 | 3° S 50'15 | |
| behind sun end | -12572 Apr 24 j 17:27 | 3° \approx 12'00 | | | -12570 Oct 09 j 17:40 | 30° R II | |
| asc. node | -12572 Apr 29 j 10:39 | 9° \approx 07'42 | | direct | -12570 Oct 15 j 07:40 | 29° II 20'42 | |
| | -12572 May 16 j 00:42 | 0° H | | asc. node | -12570 Oct 15 j 13:30 | 29° II 20'46 | |
| evening rise | -12572 May 31 j 11:51 | 19° H 28'55 | | | -12570 Oct 21 j 01:49 | 0° S | |
| | -12572 Jun 08 j 20:22 | 0° Y | | greatest brilliancy | -12570 Oct 24 j 12:10 | 0° S 57'49 | -4.8m |
| | -12572 Jul 02 j 17:30 | 0° B | | | -12570 Dec 03 j 06:26 | 0° Q | |
| | -12572 Jul 26 j 18:17 | 0° II | | morning max el | -12570 Dec 03 j 11:32 | 0° Q 12'16 | 46°03'36 |
| | -12572 Aug 20 j 00:42 | 0° S | | | -12569 Jan 01 j 09:11 | 0° M | |
| desc. node | -12572 Aug 21 j 02:28 | 1° S 19'09 | | | -12569 Jan 28 j 08:49 | 0° Q | |
| | -12572 Sep 13 j 14:56 | 0° Q | | desc. node | -12569 Feb 06 j 05:26 | 10° Q 08'38 | |
| | -12572 Oct 08 j 16:56 | 0° M | | | -12569 Feb 23 j 06:14 | 0° M | |
| | -12572 Nov 03 j 17:03 | 0° Q | | | -12569 Mar 20 j 08:42 | 0° H | |
| | -12572 Dec 01 j 22:38 | 0° M | | | -12569 Apr 13 j 20:35 | 0° S | |
| evening max el | -12572 Dec 04 j 20:54 | 2° M 51'07 | 44°52'27 | | -12569 May 07 j 22:10 | 0° \approx | |
| asc. node | -12572 Dec 10 j 07:41 | 7° M 58'39 | | greatest brilliancy | -12569 May 27 j 20:38 | 25° \approx 06'33 | -3.9m |
| greatest brilliancy | -12571 Jan 11 j 04:41 | 0° H 02'55 | -4.7m | morning set | -12569 May 28 j 01:47 | 25° \approx 22'49 | |
| | -12571 Jan 11 j 01:30 | 0° H | | asc. node | -12569 May 28 j 00:15 | 25° \approx 17'59 | |
| retrograde | -12571 Jan 21 j 22:23 | 2° H 06'00 | | | -12569 May 31 j 17:31 | 0° H | |
| | -12571 Feb 01 j 07:10 | 30° R M | | | -12569 Jun 24 j 10:21 | 0° Y | |
| evening set | -12571 Feb 08 j 11:36 | 26° M 22'59 | | | | | |
| inferior conj | -12571 Feb 12 j 07:15 | 24° M 04'11 | 8°01'50 | superior conj | -12569 Jul 06 j 17:05 | 15° Y 32'21 | 1°14'29 |
| minimum elong | -12571 Feb 12 j 10:24 | 23° M 59'20 | 8°01'04 | minimum elong | -12569 Jul 06 j 08:13 | 15° Y 04'20 | 1°14'30 |
| min. Earth dist. | -12571 Feb 13 j 09:08 | 23° M 24'16 | 0.29124 AU | max. Earth dist. | -12569 Jul 10 j 16:09 | 20° Y 32'49 | 1.70735 AU |
| morning rise | -12571 Feb 16 j 08:53 | 21° M 35'35 | | | -12569 Jul 18 j 03:48 | 0° B | |
| direct | -12571 Mar 06 j 07:02 | 15° M 39'35 | | | -12569 Aug 11 j 00:20 | 0° II | |
| greatest brilliancy | -12571 Mar 17 j 09:34 | 17° M 51'15 | -4.8m | evening rise | -12569 Aug 18 j 05:58 | 9° II 03'08 | |
| desc. node | -12571 Apr 03 j 04:06 | 27° M 30'24 | | | -12569 Sep 04 j 01:33 | 0° S | |
| | -12571 Apr 06 j 10:21 | 0° H | | desc. node | -12569 Sep 18 j 13:54 | 17° S 58'29 | |
| morning max el | -12571 Apr 25 j 03:44 | 16° H 46'29 | 46°27'17 | | -12569 Sep 28 j 07:58 | 0° Q | |
| | -12571 May 08 j 00:49 | 0° S | | | -12569 Oct 22 j 19:37 | 0° M | |
| | -12571 Jun 03 j 18:25 | 0° \approx | | | -12569 Nov 16 j 13:38 | 0° Q | |
| | -12571 Jun 28 j 20:32 | 0° H | | | -12569 Dec 11 j 18:21 | 0° M | |
| asc. node | -12571 Jul 23 j 02:17 | 29° H 52'02 | | | -12568 Jan 06 j 19:40 | 0° H | |
| | -12571 Jul 23 j 04:51 | 0° Y | | asc. node | -12568 Jan 07 j 17:20 | 1° H 00'46 | |
| | -12571 Aug 16 j 06:11 | 0° B | | | -12568 Feb 03 j 16:01 | 0° S | |
| | -12571 Sep 09 j 07:16 | 0° II | | evening max el | -12568 Feb 16 j 00:55 | 12° S 11'09 | 45°20'21 |
| | -12571 Oct 03 j 11:53 | 0° S | | | -12568 Mar 08 j 02:31 | 0° \approx | |
| | -12571 Oct 27 j 20:55 | 0° Q | | greatest brilliancy | -12568 Mar 25 j 22:02 | 9° \approx 44'50 | -4.8m |
| morning set | -12571 Oct 30 j 23:48 | 3° Q 49'36 | | retrograde | -12568 Apr 04 j 16:46 | 11° \approx 25'45 | |
| desc. node | -12571 Nov 13 j 13:33 | 20° Q 27'09 | | evening set | -12568 Apr 19 j 08:41 | 7° \approx 26'55 | |
| | -12571 Nov 21 j 08:51 | 0° M | | inferior conj | -12568 Apr 25 j 14:57 | 3° \approx 55'25 | 1°12'29 |
| max. Earth dist. | -12571 Dec 08 j 08:11 | 20° M 46'03 | 1.73798 AU | minimum elong | -12568 Apr 25 j 17:40 | 3° \approx 51'25 | 1°11'00 |
| | | | | min. Earth dist. | -12568 Apr 26 j 08:23 | 3° \approx 29'41 | 0.26916 AU |
| superior conj | -12571 Dec 09 j 13:05 | 22° M 14'29 | -0°53'18 | desc. node | -12568 Apr 30 j 15:05 | 1° \approx 02'29 | |
| minimum elong | -12571 Dec 09 j 04:26 | 21° M 48'02 | 0°52'53 | morning rise | -12568 May 02 j 01:44 | 0° \approx 16'30 | |
| | -12571 Dec 15 j 21:07 | 0° Q | | | -12568 May 02 j 14:43 | 30° R S | |
| | -12570 Jan 09 j 07:59 | 0° M | | direct | -12568 May 16 j 14:45 | 26° S 15'47 | |
| evening rise | -12570 Jan 14 j 19:30 | 6° M 44'05 | | greatest brilliancy | -12568 May 28 j 04:58 | 28° S 42'51 | -4.9m |
| greatest brilliancy | -12570 Jan 23 j 23:41 | 18° M 00'51 | -3.9m | | -12568 May 31 j 02:10 | 0° \approx | |
| | -12570 Feb 02 j 17:33 | 0° H | | morning max el | -12568 Jul 06 j 03:39 | 29° \approx 10'05 | 46°39'56 |
| | -12570 Feb 27 j 03:32 | 0° S | | | -12568 Jul 06 j 23:12 | 0° H | |
| asc. node | -12570 Mar 04 j 12:09 | 6° S 34'19 | | | -12568 Aug 03 j 07:53 | 0° Y | |
| | -12570 Mar 23 j 15:58 | 0° \approx | | asc. node | -12568 Aug 19 j 16:02 | 19° Y 07'11 | |
| | -12570 Apr 17 j 08:34 | 0° H | | | -12568 Aug 28 j 18:56 | 0° B | |
| | -12570 May 12 j 07:46 | 0° Y | | | -12568 Sep 22 j 14:58 | 0° II | |
| | -12570 Jun 06 j 19:27 | 0° B | | | -12568 Oct 17 j 07:57 | 0° S | |
| desc. node | -12570 Jun 26 j 08:24 | 22° B 10'29 | | | -12568 Nov 11 j 02:16 | 0° Q | |
| | -12570 Jul 03 j 12:05 | 0° II | | | -12568 Dec 05 j 21:41 | 0° M | |
| evening max el | -12570 Jul 14 j 10:42 | 11° II 30'43 | 47°50'09 | desc. node | -12568 Dec 11 j 03:29 | 6° M 20'38 | |
| | -12570 Aug 03 j 02:52 | 0° S | | | -12568 Dec 30 j 15:31 | 0° Q | |
| greatest brilliancy | -12570 Aug 24 j 20:13 | 13° S 48'46 | -4.9m | morning set | -12567 Jan 09 j 20:25 | 12° Q 25'48 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12567 Jan 24 j 05:11 | 0°♌ | | morning rise | -12565 Jul 14 j 11:11 | 18°♑07'12 | |
| max. Earth dist. | -12567 Feb 09 j 21:02 | 20°♌29'36 | 1.73348 AU | direct | -12565 Jul 31 j 06:14 | 12°♑36'33 | |
| | | | | greatest brilliancy | -12565 Aug 10 j 03:59 | 14°♑29'11 | -4.9m |
| superior conj | -12567 Feb 14 j 10:53 | 26°♌08'31 | -1°17'29 | | -12565 Sep 03 j 00:16 | 0°♋ | |
| minimum elong | -12567 Feb 14 j 14:40 | 26°♌20'13 | 1°18'05 | asc. node | -12565 Sep 17 j 04:24 | 13°♋13'59 | |
| | -12567 Feb 17 j 13:49 | 0°♌ | | morning max el | -12565 Sep 19 j 12:01 | 15°♋33'24 | 46°24'30 |
| | -12567 Mar 13 j 18:30 | 0°♍ | | | -12565 Oct 03 j 06:38 | 0°♎ | |
| evening rise | -12567 Mar 21 j 09:00 | 9°♍27'14 | | | -12565 Oct 30 j 03:34 | 0°♏ | |
| asc. node | -12567 Apr 01 j 00:05 | 22°♍40'51 | | | -12565 Nov 25 j 02:39 | 0°♐ | |
| | -12567 Apr 06 j 21:10 | 0°♎ | | | -12565 Dec 20 j 16:47 | 0°♑ | |
| | -12567 Apr 30 j 23:37 | 0°♏ | | desc. node | -12564 Jan 08 j 17:44 | 22°♑33'22 | |
| | -12567 May 25 j 03:23 | 0°♑ | | | -12564 Jan 14 j 23:35 | 0°♒ | |
| | -12567 Jun 18 j 10:24 | 0°♒ | | | -12564 Feb 08 j 21:44 | 0°♓ | |
| | -12567 Jul 12 j 23:58 | 0°♓ | | | -12564 Mar 04 j 10:43 | 0°♈ | |
| desc. node | -12567 Jul 23 j 18:17 | 12°♓58'23 | | morning set | -12564 Mar 17 j 08:42 | 15°♈57'34 | |
| | -12567 Aug 07 j 01:49 | 0°♈ | | | -12564 Mar 28 j 15:44 | 0°♉ | |
| | -12567 Sep 02 j 04:24 | 0°♉ | | max. Earth dist. | -12564 Apr 18 j 05:27 | 25°♉43'28 | 1.71707 AU |
| evening max el | -12567 Sep 22 j 23:46 | 22°♉10'06 | 46°16'30 | | | | |
| | -12567 Oct 01 j 00:11 | 0°♊ | | superior conj | -12564 Apr 21 j 18:59 | 0°♊11'50 | -0°15'34 |
| greatest brilliancy | -12567 Oct 31 j 15:17 | 22°♊10'32 | -4.8m | minimum elong | -12564 Apr 21 j 22:11 | 0°♊21'51 | 0°16'06 |
| retrograde | -12567 Nov 11 j 20:37 | 24°♊32'38 | | | -12564 Apr 21 j 15:13 | 0°♋ | |
| asc. node | -12567 Nov 12 j 00:07 | 24°♊32'37 | | asc. node | -12564 Apr 28 j 12:49 | 8°♋40'10 | |
| evening set | -12567 Nov 27 j 05:11 | 19°♊49'46 | | | -12564 May 15 j 11:43 | 0°♌ | |
| inferior conj | -12567 Dec 03 j 03:56 | 16°♊07'46 | 4°32'41 | evening rise | -12564 May 29 j 02:15 | 17°♌08'08 | |
| minimum elong | -12567 Dec 02 j 20:02 | 16°♊20'34 | 4°31'03 | | -12564 Jun 08 j 07:32 | 0°♍ | |
| min. Earth dist. | -12567 Dec 02 j 21:25 | 16°♊18'19 | 0.29253 AU | | -12564 Jul 02 j 04:54 | 0°♎ | |
| morning rise | -12567 Dec 08 j 11:10 | 12°♊48'08 | | | -12564 Jul 26 j 05:55 | 0°♏ | |
| direct | -12567 Dec 24 j 19:27 | 7°♊37'40 | | | -12564 Aug 19 j 12:39 | 0°♐ | |
| greatest brilliancy | -12566 Jan 03 j 00:24 | 9°♊09'36 | -4.7m | desc. node | -12564 Aug 20 j 04:46 | 0°♑49'27 | |
| | -12566 Feb 03 j 18:56 | 0°♒ | | | -12564 Sep 13 j 03:20 | 0°♒ | |
| morning max el | -12566 Feb 11 j 14:09 | 7°♒08'11 | 46°05'06 | | -12564 Oct 08 j 06:13 | 0°♓ | |
| desc. node | -12566 Mar 05 j 18:27 | 29°♒33'43 | | | -12564 Nov 03 j 08:19 | 0°♈ | |
| | -12566 Mar 06 j 04:18 | 0°♓ | | | -12564 Dec 01 j 19:55 | 0°♉ | |
| | -12566 Apr 02 j 03:07 | 0°♈ | | evening max el | -12564 Dec 02 j 13:25 | 0°♉42'18 | 44°53'43 |
| | -12566 Apr 27 j 13:17 | 0°♉ | | asc. node | -12564 Dec 09 j 09:57 | 7°♉07'02 | |
| | -12566 May 22 j 02:25 | 0°♊ | | greatest brilliancy | -12563 Jan 08 j 19:25 | 27°♉54'18 | -4.7m |
| | -12566 Jun 15 j 03:18 | 0°♋ | | retrograde | -12563 Jan 19 j 14:52 | 29°♉58'39 | |
| asc. node | -12566 Jun 24 j 14:22 | 11°♋54'38 | | evening set | -12563 Feb 06 j 04:18 | 24°♉14'20 | |
| | -12566 Jul 08 j 22:11 | 0°♌ | | inferior conj | -12563 Feb 09 j 23:33 | 21°♉55'38 | 8°04'32 |
| | -12566 Aug 01 j 15:52 | 0°♍ | | minimum elong | -12563 Feb 10 j 02:01 | 21°♉51'48 | 8°03'51 |
| morning set | -12566 Aug 12 j 05:34 | 13°♍19'36 | | min. Earth dist. | -12563 Feb 10 j 23:58 | 21°♉17'50 | 0.29176 AU |
| | -12566 Aug 25 j 12:01 | 0°♎ | | morning rise | -12563 Feb 13 j 23:29 | 19°♉29'12 | |
| | -12566 Sep 18 j 12:47 | 0°♏ | | direct | -12563 Mar 04 j 00:13 | 13°♉30'11 | |
| | | | | greatest brilliancy | -12563 Mar 14 j 23:37 | 15°♉39'09 | -4.8m |
| superior conj | -12566 Sep 23 j 20:16 | 6°♏35'43 | 0°47'11 | desc. node | -12563 Apr 02 j 06:17 | 26°♉23'08 | |
| minimum elong | -12566 Sep 24 j 07:08 | 7°♏09'23 | 0°47'34 | | -12563 Apr 06 j 19:42 | 0°♊ | |
| max. Earth dist. | -12566 Sep 30 j 06:14 | 14°♏32'40 | 1.72367 AU | morning max el | -12563 Apr 22 j 10:20 | 14°♊34'37 | 46°26'30 |
| | -12566 Oct 12 j 18:26 | 0°♐ | | | -12563 May 07 j 19:03 | 0°♋ | |
| desc. node | -12566 Oct 16 j 02:19 | 4°♐06'15 | | | -12563 Jun 03 j 09:02 | 0°♌ | |
| evening rise | -12566 Nov 04 j 15:19 | 28°♐08'18 | | | -12563 Jun 28 j 09:37 | 0°♍ | |
| | -12566 Nov 06 j 03:43 | 0°♑ | | asc. node | -12563 Jul 22 j 04:38 | 29°♍21'06 | |
| | -12566 Nov 30 j 15:10 | 0°♒ | | | -12563 Jul 22 j 17:08 | 0°♎ | |
| | -12566 Dec 25 j 04:54 | 0°♓ | | | -12563 Aug 15 j 18:03 | 0°♏ | |
| | -12565 Jan 18 j 23:13 | 0°♈ | | | -12563 Sep 08 j 18:51 | 0°♐ | |
| asc. node | -12565 Feb 04 j 03:37 | 19°♈23'04 | | | -12563 Oct 02 j 23:14 | 0°♑ | |
| | -12565 Feb 13 j 02:14 | 0°♉ | | | -12563 Oct 27 j 08:04 | 0°♒ | |
| | -12565 Mar 10 j 19:18 | 0°♊ | | morning set | -12563 Oct 28 j 12:30 | 1°♒27'13 | |
| | -12565 Apr 06 j 12:07 | 0°♋ | | desc. node | -12563 Nov 12 j 15:37 | 19°♒59'42 | |
| evening max el | -12565 Apr 30 j 18:04 | 25°♋22'22 | 47°10'20 | | -12563 Nov 20 j 19:49 | 0°♓ | |
| | -12565 May 05 j 12:27 | 0°♌ | | max. Earth dist. | -12563 Dec 06 j 07:18 | 18°♓56'32 | 1.73780 AU |
| desc. node | -12565 May 29 j 01:05 | 19°♌33'00 | | | | | |
| greatest brilliancy | -12565 Jun 10 j 22:26 | 26°♌12'38 | -4.9m | superior conj | -12563 Dec 07 j 05:25 | 20°♓04'15 | -0°50'54 |
| retrograde | -12565 Jun 20 j 09:09 | 27°♌54'06 | | minimum elong | -12563 Dec 06 j 20:51 | 19°♓37'58 | 0°50'26 |
| evening set | -12565 Jul 07 j 07:22 | 22°♌24'38 | | | -12563 Dec 15 j 07:58 | 0°♋ | |
| min. Earth dist. | -12565 Jul 10 j 06:52 | 20°♌38'00 | 0.26515 AU | | -12562 Jan 08 j 18:50 | 0°♌ | |
| inferior conj | -12565 Jul 11 j 03:36 | 20°♌06'29 | -8°15'47 | evening rise | -12562 Jan 12 j 14:59 | 4°♌43'06 | |
| minimum elong | -12565 Jul 10 j 21:13 | 20°♌16'13 | 8°14'54 | greatest brilliancy | -12562 Jan 22 j 22:23 | 17°♌23'22 | -3.9m |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|--|---------------------|-----------------------|-----------|------------|--|
| | -12562 Feb 02 j 04:33 | 0°♂ | | | | -12560 Jul 06 j 21:25 | 0°♄ | | |
| | -12562 Feb 26 j 14:50 | 0°♂ | | | | -12560 Aug 03 j 00:12 | 0°♄ | | |
| asc. node | -12562 Mar 03 j 14:29 | 6°♂06'31 | | | asc. node | -12560 Aug 18 j 18:10 | 18°♄29'57 | | |
| | -12562 Mar 23 j 03:46 | 0°♄ | | | | -12560 Aug 28 j 08:58 | 0°♄ | | |
| | -12562 Apr 16 j 21:07 | 0°♄ | | | | -12560 Sep 22 j 03:48 | 0°♄ | | |
| | -12562 May 11 j 21:23 | 0°♄ | | | | -12560 Oct 16 j 20:03 | 0°♄ | | |
| | -12562 Jun 06 j 10:52 | 0°♄ | | | | -12560 Nov 10 j 13:53 | 0°♄ | | |
| desc. node | -12562 Jun 25 j 10:47 | 21°♄27'49 | | | desc. node | -12560 Dec 05 j 08:57 | 0°♄ | | |
| | -12562 Jul 03 j 07:27 | 0°♄ | | | | -12560 Dec 10 j 05:44 | 5°♄53'32 | | |
| evening max el | -12562 Jul 12 j 03:15 | 9°♄14'03 | 47°51'30 | | morning set | -12560 Dec 30 j 02:32 | 0°♄ | | |
| | -12562 Aug 03 j 14:50 | 0°♄ | | | | -12559 Jan 07 j 14:22 | 10°♄20'46 | | |
| greatest brilliancy | -12562 Aug 22 j 12:49 | 11°♄30'15 | -4.9m | | | -12559 Jan 23 j 16:03 | 0°♄ | | |
| retrograde | -12562 Sep 01 j 10:57 | 13°♄24'47 | | | max. Earth dist. | -12559 Feb 07 j 17:20 | 18°♄30'50 | 1.73392 AU | |
| evening set | -12562 Sep 17 j 09:01 | 8°♄12'49 | | | | | | | |
| inferior conj | -12562 Sep 22 j 07:54 | 5°♄05'37 | -5°01'11 | | superior conj | -12559 Feb 12 j 06:54 | 24°♄08'44 | -1°18'11 | |
| minimum elong | -12562 Sep 22 j 16:37 | 4°♄51'35 | 4°58'15 | | minimum elong | -12559 Feb 12 j 10:13 | 24°♄18'58 | 1°18'47 | |
| min. Earth dist. | -12562 Sep 21 j 19:46 | 5°♄25'09 | 0.27736 AU | | | -12559 Feb 17 j 00:39 | 0°♄ | | |
| morning rise | -12562 Sep 28 j 00:57 | 1°♄34'18 | | | | -12559 Mar 13 j 05:25 | 0°♄ | | |
| | -12562 Oct 01 j 00:43 | 30°♄ | | | evening rise | -12559 Mar 19 j 04:26 | 7°♄24'19 | | |
| direct | -12562 Oct 12 j 22:53 | 27°♄03'11 | | | asc. node | -12559 Mar 31 j 02:14 | 22°♄13'04 | | |
| asc. node | -12562 Oct 14 j 15:44 | 27°♄06'43 | | | | -12559 Apr 06 j 08:18 | 0°♄ | | |
| greatest brilliancy | -12562 Oct 22 j 02:48 | 28°♄39'56 | -4.8m | | | -12559 Apr 30 j 11:05 | 0°♄ | | |
| | -12562 Oct 25 j 13:03 | 0°♄ | | | | -12559 May 24 j 15:15 | 0°♄ | | |
| morning max el | -12562 Dec 01 j 02:54 | 27°♄58'51 | 46°03'52 | | | -12559 Jun 17 j 22:47 | 0°♄ | | |
| | -12562 Dec 03 j 04:49 | 0°♄ | | | | -12559 Jul 12 j 13:03 | 0°♄ | | |
| | -12561 Jan 01 j 01:03 | 0°♄ | | | desc. node | -12559 Jul 22 j 20:36 | 12°♄24'53 | | |
| | -12561 Jan 27 j 22:15 | 0°♄ | | | | -12559 Aug 06 j 16:05 | 0°♄ | | |
| desc. node | -12561 Feb 05 j 07:38 | 9°♄37'43 | | | | -12559 Sep 01 j 21:13 | 0°♄ | | |
| | -12561 Feb 22 j 18:29 | 0°♄ | | | evening max el | -12559 Sep 20 j 14:42 | 19°♄53'13 | 46°20'32 | |
| | -12561 Mar 19 j 20:17 | 0°♄ | | | | -12559 Oct 01 j 01:29 | 0°♄ | | |
| | -12561 Apr 13 j 07:51 | 0°♄ | | | greatest brilliancy | -12559 Oct 29 j 09:32 | 20°♄03'07 | -4.8m | |
| | -12561 May 07 j 09:16 | 0°♄ | | | retrograde | -12559 Nov 09 j 14:29 | 22°♄25'27 | | |
| morning set | -12561 May 25 j 16:26 | 23°♄02'30 | | | asc. node | -12559 Nov 11 j 02:18 | 22°♄22'42 | | |
| asc. node | -12561 May 27 j 02:23 | 24°♄49'41 | | | evening set | -12559 Nov 24 j 21:23 | 17°♄44'00 | | |
| | -12561 May 31 j 04:37 | 0°♄ | | | inferior conj | -12559 Nov 30 j 21:32 | 14°♄00'11 | 4°17'29 | |
| | -12561 Jun 23 j 21:29 | 0°♄ | | | minimum elong | -12559 Nov 30 j 13:54 | 14°♄12'32 | 4°15'52 | |
| | | | | | min. Earth dist. | -12559 Nov 30 j 14:34 | 14°♄11'27 | 0.29215 AU | |
| superior conj | -12561 Jul 04 j 03:53 | 12°♄59'34 | 1°12'43 | | morning rise | -12559 Dec 06 j 06:41 | 10°♄37'45 | | |
| minimum elong | -12561 Jul 03 j 18:33 | 12°♄30'03 | 1°12'41 | | direct | -12559 Dec 22 j 11:48 | 5°♄30'22 | | |
| max. Earth dist. | -12561 Jul 07 j 15:33 | 17°♄24'01 | 1.70717 AU | | greatest brilliancy | -12559 Dec 31 j 17:03 | 7°♄02'37 | -4.7m | |
| | -12561 Jul 17 j 14:58 | 0°♄ | | | | -12558 Feb 03 j 20:31 | 0°♄ | | |
| | -12561 Aug 10 j 11:32 | 0°♄ | | | morning max el | -12558 Feb 09 j 06:49 | 5°♄01'02 | 46°04'39 | |
| evening rise | -12561 Aug 15 j 13:02 | 6°♄20'09 | | | desc. node | -12558 Mar 04 j 20:34 | 28°♄54'55 | | |
| | -12561 Sep 03 j 12:48 | 0°♄ | | | | -12558 Mar 05 j 20:51 | 0°♄ | | |
| desc. node | -12561 Sep 17 j 16:05 | 17°♄30'19 | | | | -12558 Apr 01 j 16:55 | 0°♄ | | |
| | -12561 Sep 27 j 19:18 | 0°♄ | | | | -12558 Apr 27 j 01:52 | 0°♄ | | |
| | -12561 Oct 22 j 07:10 | 0°♄ | | | | -12558 May 21 j 14:23 | 0°♄ | | |
| | -12561 Nov 16 j 01:38 | 0°♄ | | | | -12558 Jun 14 j 14:58 | 0°♄ | | |
| | -12561 Dec 11 j 07:15 | 0°♄ | | | asc. node | -12558 Jun 23 j 16:40 | 11°♄25'26 | | |
| | -12560 Jan 06 j 10:29 | 0°♄ | | | | -12558 Jul 08 j 09:41 | 0°♄ | | |
| asc. node | -12560 Jan 06 j 19:47 | 0°♄25'56 | | | | -12558 Aug 01 j 03:17 | 0°♄ | | |
| | -12560 Feb 03 j 11:46 | 0°♄ | | | morning set | -12558 Aug 09 j 14:25 | 10°♄40'27 | | |
| evening max el | -12560 Feb 13 j 13:42 | 9°♄51'33 | 45°17'30 | | | -12558 Aug 24 j 23:22 | 0°♄ | | |
| | -12560 Mar 09 j 00:23 | 0°♄ | | | | -12558 Sep 18 j 00:05 | 0°♄ | | |
| greatest brilliancy | -12560 Mar 23 j 10:48 | 7°♄23'39 | -4.8m | | | | | | |
| retrograde | -12560 Apr 02 j 04:15 | 9°♄03'54 | | | superior conj | -12558 Sep 21 j 05:18 | 3°♄59'49 | 0°50'20 | |
| evening set | -12560 Apr 16 j 22:35 | 5°♄02'45 | | | minimum elong | -12558 Sep 21 j 16:35 | 4°♄34'49 | 0°50'42 | |
| inferior conj | -12560 Apr 23 j 03:32 | 1°♄33'10 | 1°34'41 | | max. Earth dist. | -12558 Sep 27 j 17:02 | 12°♄02'39 | 1.72294 AU | |
| minimum elong | -12560 Apr 23 j 07:04 | 1°♄27'58 | 1°32'58 | | | -12558 Oct 12 j 05:40 | 0°♄ | | |
| min. Earth dist. | -12560 Apr 23 j 23:01 | 1°♄04'23 | 0.26983 AU | | desc. node | -12558 Oct 15 j 04:26 | 3°♄38'13 | | |
| | -12560 Apr 25 j 18:57 | 30°♄ | | | evening rise | -12558 Nov 02 j 04:49 | 25°♄48'03 | | |
| morning rise | -12560 Apr 29 j 14:28 | 27°♄53'31 | | | | -12558 Nov 05 j 14:54 | 0°♄ | | |
| desc. node | -12560 Apr 29 j 17:14 | 27°♄49'57 | | | | -12558 Nov 30 j 02:24 | 0°♄ | | |
| direct | -12560 May 14 j 03:45 | 23°♄51'46 | | | | -12558 Dec 24 j 16:21 | 0°♄ | | |
| greatest brilliancy | -12560 May 25 j 20:14 | 26°♄20'24 | -4.9m | | | -12557 Jan 18 j 11:12 | 0°♄ | | |
| | -12560 Jun 02 j 02:29 | 0°♄ | | | asc. node | -12557 Feb 03 j 05:52 | 18°♄52'35 | | |
| morning max el | -12560 Jul 03 j 16:10 | 26°♄41'19 | 46°40'04 | | | -12557 Feb 12 j 15:09 | 0°♄ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12557 Mar 10 j 09:55 | 0°≈ | | | -12555 Oct 26 j 19:29 | 0°Ω | |
| | -12557 Apr 06 j 06:02 | 0°✠ | | desc. node | -12555 Nov 11 j 17:50 | 19°Ω31'49 | |
| evening max el | -12557 Apr 28 j 07:28 | 22°✠57'21 | 47°06'48 | | -12555 Nov 20 j 07:05 | 0°☿ | |
| | -12557 May 05 j 15:43 | 0°☿ | | max. Earth dist. | -12555 Dec 04 j 05:44 | 17°☿03'55 | 1.73759 AU |
| desc. node | -12557 May 28 j 03:28 | 18°☿04'11 | | | | | |
| greatest brilliancy | -12557 Jun 08 j 09:25 | 23°☿39'48 | -4.9m | superior conj | -12555 Dec 04 j 21:29 | 17°☿52'09 | -0°48'24 |
| retrograde | -12557 Jun 17 j 21:50 | 25°☿22'23 | | minimum elong | -12555 Dec 04 j 13:01 | 17°☿26'13 | 0°47'54 |
| evening set | -12557 Jul 04 j 15:27 | 19°☿59'00 | | | -12555 Dec 14 j 19:09 | 0°♄ | |
| min. Earth dist. | -12557 Jul 07 j 18:41 | 18°☿07'20 | 0.26489 AU | | -12554 Jan 08 j 06:00 | 0°♄ | |
| inferior conj | -12557 Jul 08 j 15:34 | 17°☿35'41 | -8°07'17 | evening rise | -12554 Jan 10 j 10:18 | 2°♄40'39 | |
| minimum elong | -12557 Jul 08 j 08:28 | 17°☿46'27 | 8°06'14 | greatest brilliancy | -12554 Jan 22 j 00:49 | 16°♄56'22 | -3.9m |
| morning rise | -12557 Jul 12 j 01:38 | 15°☿33'18 | | | -12554 Feb 01 j 15:51 | 0°♂ | |
| direct | -12557 Jul 28 j 18:41 | 10°☿06'25 | | | -12554 Feb 26 j 02:26 | 0°♂ | |
| greatest brilliancy | -12557 Aug 07 j 16:49 | 11°☿59'45 | -4.9m | asc. node | -12554 Mar 02 j 16:42 | 5°♂37'33 | |
| | -12557 Sep 03 j 08:49 | 0°♂ | | | -12554 Mar 22 j 15:52 | 0°≈ | |
| asc. node | -12557 Sep 16 j 06:37 | 12°♂19'45 | | | -12554 Apr 16 j 10:00 | 0°✠ | |
| morning max el | -12557 Sep 17 j 02:08 | 13°♂08'59 | 46°25'16 | | -12554 May 11 j 11:27 | 0°☿ | |
| | -12557 Oct 03 j 01:34 | 0°♄ | | | -12554 Jun 06 j 02:55 | 0°♂ | |
| | -12557 Oct 29 j 18:45 | 0°♄ | | desc. node | -12554 Jun 24 j 13:05 | 20°♂43'02 | |
| | -12557 Nov 24 j 16:04 | 0°Ω | | | -12554 Jul 03 j 03:53 | 0°♄ | |
| | -12557 Dec 20 j 05:10 | 0°☿ | | evening max el | -12554 Jul 09 j 19:00 | 6°♄53'42 | 47°52'34 |
| desc. node | -12556 Jan 07 j 19:55 | 22°☿04'34 | | | -12554 Aug 04 j 07:42 | 0°♄ | |
| | -12556 Jan 14 j 11:18 | 0°♄ | | greatest brilliancy | -12554 Aug 20 j 05:46 | 9°♄10'08 | -4.9m |
| | -12556 Feb 08 j 09:03 | 0°♄ | | retrograde | -12554 Aug 30 j 02:09 | 11°♄02'49 | |
| | -12556 Mar 03 j 21:50 | 0°♂ | | evening set | -12554 Sep 15 j 02:58 | 5°♄47'48 | |
| morning set | -12556 Mar 15 j 04:12 | 13°♂54'56 | | inferior conj | -12554 Sep 19 j 23:07 | 2°♄44'38 | -5°18'34 |
| | -12556 Mar 28 j 02:50 | 0°♂ | | minimum elong | -12554 Sep 20 j 08:05 | 2°♄30'11 | 5°15'37 |
| max. Earth dist. | -12556 Apr 15 j 19:27 | 23°♂22'00 | 1.71767 AU | min. Earth dist. | -12554 Sep 19 j 10:55 | 3°♄04'18 | 0.27684 AU |
| | | | | | -12554 Sep 24 j 08:03 | 30°♄ | |
| superior conj | -12556 Apr 19 j 12:38 | 28°♂01'37 | -0°18'38 | morning rise | -12554 Sep 25 j 13:55 | 29°♄16'28 | |
| minimum elong | -12556 Apr 19 j 16:23 | 28°♂13'21 | 0°19'10 | direct | -12554 Oct 10 j 13:21 | 24°♄43'38 | |
| | -12556 Apr 21 j 02:22 | 0°≈ | | asc. node | -12554 Oct 13 j 17:59 | 24°♄55'55 | |
| asc. node | -12556 Apr 27 j 15:02 | 8°≈11'56 | | greatest brilliancy | -12554 Oct 19 j 17:35 | 26°♄20'26 | -4.8m |
| | -12556 May 14 j 22:59 | 0°✠ | | | -12554 Oct 27 j 19:08 | 0°♄ | |
| evening rise | -12556 May 26 j 16:35 | 14°✠46'18 | | morning max el | -12554 Nov 28 j 17:17 | 25°♄41'44 | 46°04'13 |
| | -12556 Jun 07 j 18:59 | 0°☿ | | | -12554 Dec 03 j 02:48 | 0°Ω | |
| | -12556 Jul 01 j 16:33 | 0°♂ | | | -12554 Dec 31 j 17:02 | 0°☿ | |
| | -12556 Jul 25 j 17:49 | 0°♄ | | | -12553 Jan 27 j 11:56 | 0°♄ | |
| desc. node | -12556 Aug 19 j 06:55 | 0°♄18'36 | | desc. node | -12553 Feb 04 j 09:38 | 9°♄05'19 | |
| | -12556 Aug 19 j 00:51 | 0°♄ | | | -12553 Feb 22 j 07:00 | 0°♄ | |
| | -12556 Sep 12 j 16:02 | 0°Ω | | | -12553 Mar 19 j 08:10 | 0°♂ | |
| | -12556 Oct 07 j 19:51 | 0°☿ | | | -12553 Apr 12 j 19:22 | 0°♂ | |
| | -12556 Nov 03 j 00:07 | 0°♄ | | | -12553 May 06 j 20:38 | 0°≈ | |
| evening max el | -12556 Nov 30 j 05:54 | 28°♄32'30 | 44°55'05 | morning set | -12553 May 23 j 07:29 | 20°≈42'38 | |
| | -12556 Dec 01 j 18:22 | 0°♄ | | asc. node | -12553 May 26 j 04:42 | 24°≈21'09 | |
| asc. node | -12556 Dec 08 j 12:27 | 6°♄14'10 | | | -12553 May 30 j 15:58 | 0°✠ | |
| greatest brilliancy | -12555 Jan 06 j 10:55 | 25°♄45'55 | -4.7m | | -12553 Jun 23 j 08:54 | 0°☿ | |
| retrograde | -12555 Jan 17 j 06:57 | 27°♄50'49 | | | | | |
| evening set | -12555 Feb 03 j 20:52 | 22°♄05'51 | | superior conj | -12553 Jul 01 j 14:51 | 10°☿26'21 | 1°10'49 |
| inferior conj | -12555 Feb 07 j 15:58 | 19°♄46'50 | 8°06'34 | minimum elong | -12553 Jul 01 j 05:08 | 9°☿55'36 | 1°10'42 |
| minimum elong | -12555 Feb 07 j 17:45 | 19°♄44'05 | 8°05'56 | max. Earth dist. | -12553 Jul 04 j 14:06 | 14°☿11'37 | 1.70711 AU |
| min. Earth dist. | -12555 Feb 08 j 15:08 | 19°♄10'52 | 0.29223 AU | | -12553 Jul 17 j 02:27 | 0°♂ | |
| morning rise | -12555 Feb 11 j 14:24 | 17°♄22'10 | | | -12553 Aug 09 j 23:05 | 0°♄ | |
| direct | -12555 Mar 01 j 17:16 | 11°♄20'41 | | evening rise | -12553 Aug 12 j 19:51 | 3°♄35'12 | |
| greatest brilliancy | -12555 Mar 12 j 13:45 | 13°♄26'48 | -4.7m | | -12553 Sep 03 j 00:25 | 0°♄ | |
| desc. node | -12555 Apr 01 j 08:28 | 25°♄17'09 | | desc. node | -12553 Sep 16 j 18:16 | 17°♄01'01 | |
| | -12555 Apr 07 j 02:47 | 0°♂ | | | -12553 Sep 27 j 07:01 | 0°Ω | |
| morning max el | -12555 Apr 20 j 11:48 | 12°♂20'02 | 46°25'32 | | -12553 Oct 21 j 19:06 | 0°☿ | |
| | -12555 May 07 j 13:10 | 0°♂ | | | -12553 Nov 15 j 14:01 | 0°♄ | |
| | -12555 Jun 02 j 23:49 | 0°≈ | | | -12553 Dec 10 j 20:34 | 0°♄ | |
| | -12555 Jun 27 j 22:58 | 0°✠ | | asc. node | -12552 Jan 05 j 22:01 | 29°♄49'15 | |
| asc. node | -12555 Jul 21 j 06:46 | 28°✠48'31 | | | -12552 Jan 06 j 01:53 | 0°♂ | |
| | -12555 Jul 22 j 05:44 | 0°☿ | | | -12552 Feb 03 j 08:34 | 0°♂ | |
| | -12555 Aug 15 j 06:12 | 0°♂ | | evening max el | -12552 Feb 11 j 02:25 | 7°♂31'00 | 45°14'50 |
| | -12555 Sep 08 j 06:43 | 0°♄ | | | -12552 Mar 10 j 06:51 | 0°≈ | |
| | -12555 Oct 02 j 10:51 | 0°♄ | | greatest brilliancy | -12552 Mar 20 j 23:04 | 5°≈01'30 | -4.8m |
| morning set | -12555 Oct 26 j 00:55 | 29°♄03'01 | | retrograde | -12552 Mar 30 j 16:19 | 6°≈41'58 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| evening set | -12552 Apr 14 j 12:42 | 2°≈38'00 | | minimum elong | -12550 Sep 19 j 02:02 | 2°≈00'03 | 0°53'44 |
| | -12552 Apr 19 j 06:34 | 30°≈3 | | max. Earth dist. | -12550 Sep 25 j 04:52 | 9°≈35'38 | 1.72226 AU |
| inferior conj | -12552 Apr 20 j 16:11 | 29°≈10'35 | 1°56'35 | | -12550 Oct 11 j 16:56 | 0°≈ | |
| minimum elong | -12552 Apr 20 j 20:29 | 29°≈04'14 | 1°54'39 | desc. node | -12550 Oct 14 j 06:42 | 3°≈10'27 | |
| min. Earth dist. | -12552 Apr 21 j 13:31 | 28°≈39'06 | 0.27051 AU | evening rise | -12550 Oct 30 j 18:05 | 23°≈26'56 | |
| morning rise | -12552 Apr 27 j 03:07 | 25°≈30'48 | | | -12550 Nov 05 j 02:08 | 0°≈ | |
| desc. node | -12552 Apr 28 j 19:33 | 24°≈40'28 | | | -12550 Nov 29 j 13:42 | 0°≈ | |
| direct | -12552 May 11 j 16:56 | 21°≈27'24 | | | -12550 Dec 24 j 03:54 | 0°≈ | |
| greatest brilliancy | -12552 May 23 j 11:32 | 23°≈57'53 | -4.9m | | -12549 Jan 17 j 23:17 | 0°≈ | |
| | -12552 Jun 03 j 11:20 | 0°≈ | | asc. node | -12549 Feb 02 j 08:08 | 18°≈21'48 | |
| morning max el | -12552 Jul 01 j 05:36 | 24°≈14'31 | 46°40'10 | | -12549 Feb 12 j 04:14 | 0°≈ | |
| | -12552 Jul 06 j 19:01 | 0°≈ | | | -12549 Mar 10 j 00:46 | 0°≈ | |
| | -12552 Aug 02 j 16:28 | 0°≈ | | | -12549 Apr 06 j 00:26 | 0°≈ | |
| asc. node | -12552 Aug 17 j 20:20 | 17°≈52'24 | | evening max el | -12549 Apr 25 j 21:43 | 20°≈34'21 | 47°03'04 |
| | -12552 Aug 27 j 23:07 | 0°≈ | | | -12549 May 05 j 20:45 | 0°≈ | |
| | -12552 Sep 21 j 16:52 | 0°≈ | | desc. node | -12549 May 27 j 05:46 | 16°≈31'46 | |
| | -12552 Oct 16 j 08:26 | 0°≈ | | greatest brilliancy | -12549 Jun 05 j 20:15 | 21°≈06'43 | -4.9m |
| | -12552 Nov 10 j 01:47 | 0°≈ | | retrograde | -12549 Jun 15 j 10:27 | 22°≈50'09 | |
| | -12552 Dec 04 j 20:29 | 0°≈ | | evening set | -12549 Jul 01 j 23:19 | 17°≈33'23 | |
| desc. node | -12552 Dec 09 j 07:54 | 5°≈25'18 | | min. Earth dist. | -12549 Jul 05 j 06:27 | 15°≈36'18 | 0.26458 AU |
| | -12552 Dec 29 j 13:49 | 0°≈ | | inferior conj | -12549 Jul 06 j 03:23 | 15°≈04'39 | -7°57'43 |
| morning set | -12551 Jan 05 j 07:54 | 8°≈13'41 | | minimum elong | -12549 Jul 05 j 19:39 | 15°≈16'21 | 7°56'32 |
| | -12551 Jan 23 j 03:10 | 0°≈ | | morning rise | -12549 Jul 09 j 16:10 | 12°≈58'43 | |
| max. Earth dist. | -12551 Feb 05 j 15:10 | 16°≈36'01 | 1.73436 AU | direct | -12549 Jul 26 j 07:17 | 7°≈36'18 | |
| | | | | greatest brilliancy | -12549 Aug 05 j 05:13 | 9°≈29'46 | -4.9m |
| superior conj | -12551 Feb 10 j 02:45 | 22°≈07'39 | -1°18'47 | | -12549 Sep 03 j 14:51 | 0°≈ | |
| minimum elong | -12551 Feb 10 j 05:33 | 22°≈16'20 | 1°19'22 | morning max el | -12549 Sep 14 j 15:50 | 10°≈43'49 | 46°26'09 |
| | -12551 Feb 16 j 11:44 | 0°≈ | | asc. node | -12549 Sep 15 j 08:53 | 11°≈27'05 | |
| | -12551 Mar 12 j 16:37 | 0°≈ | | | -12549 Oct 02 j 19:52 | 0°≈ | |
| evening rise | -12551 Mar 16 j 23:57 | 5°≈20'57 | | | -12549 Oct 29 j 09:35 | 0°≈ | |
| asc. node | -12551 Mar 30 j 04:31 | 21°≈44'51 | | | -12549 Nov 24 j 05:16 | 0°≈ | |
| | -12551 Apr 05 j 19:43 | 0°≈ | | | -12549 Dec 19 j 17:24 | 0°≈ | |
| | -12551 Apr 29 j 22:47 | 0°≈ | | desc. node | -12548 Jan 06 j 21:54 | 21°≈35'26 | |
| | -12551 May 24 j 03:19 | 0°≈ | | | -12548 Jan 13 j 22:55 | 0°≈ | |
| | -12551 Jun 17 j 11:19 | 0°≈ | | | -12548 Feb 07 j 20:18 | 0°≈ | |
| | -12551 Jul 12 j 02:18 | 0°≈ | | | -12548 Mar 03 j 08:53 | 0°≈ | |
| desc. node | -12551 Jul 21 j 22:45 | 11°≈50'21 | | morning set | -12548 Mar 12 j 23:35 | 11°≈52'18 | |
| | -12551 Aug 06 j 06:37 | 0°≈ | | | -12548 Mar 27 j 13:49 | 0°≈ | |
| | -12551 Sep 01 j 14:32 | 0°≈ | | max. Earth dist. | -12548 Apr 13 j 08:43 | 20°≈58'44 | 1.71830 AU |
| evening max el | -12551 Sep 18 j 06:37 | 17°≈38'05 | 46°24'28 | | | | |
| | -12551 Oct 01 j 04:34 | 0°≈ | | superior conj | -12548 Apr 17 j 06:21 | 25°≈52'05 | -0°21'40 |
| greatest brilliancy | -12551 Oct 27 j 03:19 | 17°≈53'58 | -4.8m | minimum elong | -12548 Apr 17 j 10:37 | 26°≈05'25 | 0°22'11 |
| retrograde | -12551 Nov 07 j 08:37 | 20°≈16'54 | | | -12548 Apr 20 j 13:25 | 0°≈ | |
| asc. node | -12551 Nov 10 j 04:46 | 20°≈06'50 | | asc. node | -12548 Apr 26 j 17:20 | 7°≈44'20 | |
| evening set | -12551 Nov 22 j 13:37 | 15°≈36'44 | | | -12548 May 14 j 10:10 | 0°≈ | |
| inferior conj | -12551 Nov 28 j 15:00 | 11°≈51'11 | 4°01'39 | evening rise | -12548 May 24 j 07:06 | 12°≈25'27 | |
| minimum elong | -12551 Nov 28 j 07:41 | 12°≈03'00 | 4°00'06 | | -12548 Jun 07 j 06:22 | 0°≈ | |
| min. Earth dist. | -12551 Nov 28 j 07:22 | 12°≈03'31 | 0.29177 AU | | -12548 Jul 01 j 04:08 | 0°≈ | |
| morning rise | -12551 Dec 04 j 02:05 | 8°≈26'09 | | | -12548 Jul 25 j 05:36 | 0°≈ | |
| direct | -12551 Dec 20 j 04:23 | 3°≈21'49 | | desc. node | -12548 Aug 18 j 09:13 | 29°≈48'43 | |
| greatest brilliancy | -12551 Dec 29 j 09:10 | 4°≈54'04 | -4.7m | | -12548 Aug 18 j 12:54 | 0°≈ | |
| | -12550 Feb 03 j 21:09 | 0°≈ | | | -12548 Sep 12 j 04:32 | 0°≈ | |
| morning max el | -12550 Feb 07 j 00:08 | 2°≈54'51 | 46°04'10 | | -12548 Oct 07 j 09:19 | 0°≈ | |
| desc. node | -12550 Mar 03 j 22:47 | 28°≈16'16 | | | -12548 Nov 02 j 15:51 | 0°≈ | |
| | -12550 Mar 05 j 13:18 | 0°≈ | | evening max el | -12548 Nov 27 j 21:48 | 26°≈21'54 | 44°56'23 |
| | -12550 Apr 01 j 06:45 | 0°≈ | | | -12548 Dec 01 j 17:26 | 0°≈ | |
| | -12550 Apr 26 j 14:33 | 0°≈ | | asc. node | -12548 Dec 07 j 14:37 | 5°≈20'18 | |
| | -12550 May 21 j 02:28 | 0°≈ | | greatest brilliancy | -12547 Jan 04 j 02:55 | 23°≈38'48 | -4.7m |
| | -12550 Jun 14 j 02:43 | 0°≈ | | retrograde | -12547 Jan 14 j 22:48 | 25°≈44'00 | |
| asc. node | -12550 Jun 22 j 18:47 | 10°≈55'19 | | evening set | -12547 Feb 01 j 13:21 | 19°≈58'41 | |
| | -12550 Jul 07 j 21:14 | 0°≈ | | inferior conj | -12547 Feb 05 j 08:36 | 17°≈39'06 | 8°07'54 |
| | -12550 Jul 31 j 14:42 | 0°≈ | | minimum elong | -12547 Feb 05 j 09:40 | 17°≈37'25 | 8°07'19 |
| morning set | -12550 Aug 06 j 23:52 | 8°≈03'00 | | min. Earth dist. | -12547 Feb 06 j 06:49 | 17°≈04'27 | 0.29269 AU |
| | -12550 Aug 24 j 10:44 | 0°≈ | | morning rise | -12547 Feb 09 j 05:45 | 15°≈15'48 | |
| | -12550 Sep 17 j 11:24 | 0°≈ | | direct | -12547 Feb 27 j 10:03 | 9°≈12'09 | |
| | | | | greatest brilliancy | -12547 Mar 10 j 04:46 | 11°≈16'11 | -4.7m |
| superior conj | -12550 Sep 18 j 14:27 | 1°≈24'04 | 0°53'22 | desc. node | -12547 Mar 31 j 10:44 | 24°≈13'35 | |

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|--|---------------------|-----------------------|-----------|------------|--|
| | -12547 Apr 07 j 07:33 | 0°♌ | | | | -12545 Sep 26 j 18:27 | 0°♍ | | |
| morning max el | -12547 Apr 18 j 02:38 | 10°♌04'16 | 46°24'36 | | | -12545 Oct 21 j 06:44 | 0°♎ | | |
| | -12547 May 07 j 06:40 | 0°♏ | | | | -12545 Nov 15 j 02:04 | 0°♐ | | |
| | -12547 Jun 02 j 14:12 | 0°♑ | | | | -12545 Dec 10 j 09:34 | 0°♒ | | |
| | -12547 Jun 27 j 12:00 | 0°♋ | | | asc. node | -12544 Jan 05 j 00:20 | 29°♓13'49 | | |
| asc. node | -12547 Jul 20 j 08:51 | 28°♋16'33 | | | | -12544 Jan 05 j 17:00 | 0°♌ | | |
| | -12547 Jul 21 j 18:04 | 0°♍ | | | | -12544 Feb 03 j 05:31 | 0°♎ | | |
| | -12547 Aug 14 j 18:07 | 0°♏ | | | evening max el | -12544 Feb 08 j 15:40 | 5°♏13'20 | 45°12'15 | |
| | -12547 Sep 07 j 18:19 | 0°♐ | | | | -12544 Mar 12 j 01:36 | 0°♑ | | |
| | -12547 Oct 01 j 22:12 | 0°♒ | | | greatest brilliancy | -12544 Mar 18 j 10:42 | 2°♑40'23 | -4.8m | |
| morning set | -12547 Oct 23 j 13:33 | 26°♒40'17 | | | retrograde | -12544 Mar 28 j 05:01 | 4°♑21'46 | | |
| | -12547 Oct 26 j 06:36 | 0°♍ | | | evening set | -12544 Apr 12 j 03:07 | 0°♑14'39 | | |
| desc. node | -12547 Nov 10 j 20:01 | 19°♍04'47 | | | | -12544 Apr 12 j 14:23 | 30°♊ | | |
| | -12547 Nov 19 j 18:02 | 0°♎ | | | inferior conj | -12544 Apr 18 j 04:57 | 26°♊49'25 | 2°18'11 | |
| max. Earth dist. | -12547 Dec 02 j 03:59 | 15°♎11'48 | 1.73735 AU | | minimum elong | -12544 Apr 18 j 10:00 | 26°♊41'58 | 2°16'01 | |
| | | | | | min. Earth dist. | -12544 Apr 19 j 03:44 | 26°♊15'49 | 0.27128 AU | |
| superior conj | -12547 Dec 02 j 13:45 | 15°♎41'42 | -0°45'49 | | morning rise | -12544 Apr 24 j 15:43 | 23°♊09'55 | | |
| minimum elong | -12547 Dec 02 j 05:28 | 15°♎16'19 | 0°45'18 | | desc. node | -12544 Apr 27 j 21:47 | 21°♊36'40 | | |
| | -12547 Dec 14 j 06:00 | 0°♈ | | | direct | -12544 May 09 j 06:53 | 19°♊04'24 | | |
| | -12546 Jan 07 j 16:53 | 0°♉ | | | greatest brilliancy | -12544 May 21 j 02:41 | 21°♊36'25 | -4.9m | |
| evening rise | -12546 Jan 08 j 05:48 | 0°♉39'41 | | | | -12544 Jun 04 j 10:35 | 0°♊ | | |
| greatest brilliancy | -12546 Jan 21 j 04:59 | 16°♉35'36 | -3.9m | | morning max el | -12544 Jun 28 j 20:02 | 21°♊51'11 | 46°40'12 | |
| | -12546 Feb 01 j 02:53 | 0°♌ | | | | -12544 Jul 06 j 15:38 | 0°♋ | | |
| | -12546 Feb 25 j 13:48 | 0°♍ | | | | -12544 Aug 02 j 08:12 | 0°♍ | | |
| asc. node | -12546 Mar 01 j 19:01 | 5°♍09'35 | | | asc. node | -12544 Aug 16 j 22:40 | 17°♍16'25 | | |
| | -12546 Mar 22 j 03:46 | 0°♎ | | | | -12544 Aug 27 j 12:52 | 0°♏ | | |
| | -12546 Apr 15 j 22:42 | 0°♋ | | | | -12544 Sep 21 j 05:34 | 0°♐ | | |
| | -12546 May 11 j 01:22 | 0°♌ | | | | -12544 Oct 15 j 20:28 | 0°♑ | | |
| | -12546 Jun 05 j 18:53 | 0°♏ | | | | -12544 Nov 09 j 13:22 | 0°♒ | | |
| desc. node | -12546 Jun 23 j 15:14 | 19°♏58'05 | | | | -12544 Dec 04 j 07:42 | 0°♎ | | |
| | -12546 Jul 03 j 00:37 | 0°♐ | | | desc. node | -12544 Dec 08 j 09:54 | 4°♎57'34 | | |
| evening max el | -12546 Jul 07 j 09:44 | 4°♐31'30 | 47°53'28 | | | -12544 Dec 29 j 00:45 | 0°♈ | | |
| | -12546 Aug 05 j 05:48 | 0°♒ | | | morning set | -12543 Jan 03 j 01:36 | 6°♈08'06 | | |
| greatest brilliancy | -12546 Aug 17 j 23:05 | 6°♒50'59 | -4.9m | | | -12543 Jan 22 j 13:56 | 0°♉ | | |
| retrograde | -12546 Aug 27 j 17:01 | 8°♒41'35 | | | max. Earth dist. | -12543 Feb 03 j 14:31 | 14°♉46'59 | 1.73472 AU | |
| evening set | -12546 Sep 12 j 20:58 | 3°♒23'15 | | | | | | | |
| min. Earth dist. | -12546 Sep 17 j 02:23 | 0°♒43'43 | 0.27631 AU | | superior conj | -12543 Feb 07 j 22:51 | 20°♉08'34 | -1°19'17 | |
| inferior conj | -12546 Sep 17 j 14:20 | 0°♒24'27 | -5°35'27 | | minimum elong | -12543 Feb 08 j 01:09 | 20°♉15'38 | 1°19'52 | |
| minimum elong | -12546 Sep 17 j 23:31 | 0°♒09'40 | 5°32'32 | | | -12543 Feb 15 j 22:27 | 0°♌ | | |
| | -12546 Sep 18 j 05:31 | 30°♊ | | | | -12543 Mar 12 j 03:27 | 0°♍ | | |
| morning rise | -12546 Sep 23 j 02:41 | 26°♊59'40 | | | evening rise | -12543 Mar 14 j 19:52 | 3°♍20'01 | | |
| direct | -12546 Oct 08 j 03:22 | 22°♊24'39 | | | asc. node | -12543 Mar 29 j 06:51 | 21°♍17'55 | | |
| asc. node | -12546 Oct 12 j 20:20 | 22°♊50'58 | | | | -12543 Apr 05 j 06:48 | 0°♎ | | |
| greatest brilliancy | -12546 Oct 17 j 08:55 | 24°♊02'16 | -4.8m | | | -12543 Apr 29 j 10:13 | 0°♋ | | |
| | -12546 Oct 29 j 05:55 | 0°♒ | | | | -12543 May 23 j 15:09 | 0°♍ | | |
| morning max el | -12546 Nov 26 j 07:34 | 23°♒25'14 | 46°04'50 | | | -12543 Jun 16 j 23:41 | 0°♏ | | |
| | -12546 Dec 02 j 23:35 | 0°♍ | | | | -12543 Jul 11 j 15:27 | 0°♐ | | |
| | -12546 Dec 31 j 08:21 | 0°♎ | | | desc. node | -12543 Jul 21 j 01:06 | 11°♐16'55 | | |
| | -12545 Jan 27 j 01:05 | 0°♈ | | | | -12543 Aug 05 j 21:06 | 0°♒ | | |
| desc. node | -12545 Feb 03 j 11:54 | 8°♈35'03 | | | | -12543 Sep 01 j 07:59 | 0°♍ | | |
| | -12545 Feb 21 j 19:04 | 0°♉ | | | evening max el | -12543 Sep 15 j 23:13 | 15°♍25'15 | 46°28'27 | |
| | -12545 Mar 18 j 19:39 | 0°♌ | | | | -12543 Oct 01 j 09:03 | 0°♎ | | |
| | -12545 Apr 12 j 06:34 | 0°♏ | | | greatest brilliancy | -12543 Oct 24 j 21:03 | 15°♎45'18 | -4.8m | |
| | -12545 May 06 j 07:43 | 0°♑ | | | retrograde | -12543 Nov 05 j 02:52 | 18°♎08'36 | | |
| morning set | -12545 May 20 j 22:42 | 18°♑24'17 | | | asc. node | -12543 Nov 09 j 06:59 | 17°♎46'45 | | |
| asc. node | -12545 May 25 j 06:50 | 23°♑52'56 | | | evening set | -12543 Nov 20 j 05:59 | 13°♎29'49 | | |
| | -12545 May 30 j 03:02 | 0°♋ | | | inferior conj | -12543 Nov 26 j 08:23 | 9°♎42'31 | 3°45'24 | |
| | -12545 Jun 22 j 20:00 | 0°♍ | | | minimum elong | -12543 Nov 26 j 01:26 | 9°♎53'44 | 3°43'56 | |
| | | | | | min. Earth dist. | -12543 Nov 25 j 23:55 | 9°♎56'11 | 0.29134 AU | |
| superior conj | -12545 Jun 29 j 01:55 | 7°♍54'23 | 1°08'46 | | morning rise | -12543 Dec 01 j 21:20 | 6°♎14'57 | | |
| minimum elong | -12545 Jun 28 j 15:53 | 7°♍22'39 | 1°08'36 | | direct | -12543 Dec 17 j 21:21 | 1°♎13'46 | | |
| max. Earth dist. | -12545 Jul 01 j 15:01 | 11°♍07'36 | 1.70709 AU | | greatest brilliancy | -12543 Dec 27 j 00:47 | 2°♎45'28 | -4.7m | |
| | -12545 Jul 16 j 13:37 | 0°♏ | | | | -12542 Feb 03 j 20:22 | 0°♈ | | |
| | -12545 Aug 09 j 10:20 | 0°♐ | | | morning max el | -12542 Feb 04 j 17:42 | 0°♈50'12 | 46°03'49 | |
| evening rise | -12545 Aug 10 j 02:51 | 0°♐51'45 | | | desc. node | -12542 Mar 03 j 00:59 | 27°♈38'52 | | |
| | -12545 Sep 02 j 11:44 | 0°♒ | | | | -12542 Mar 05 j 05:09 | 0°♉ | | |
| desc. node | -12545 Sep 15 j 20:33 | 16°♒32'55 | | | | -12542 Mar 31 j 20:09 | 0°♌ | | |




































































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | |
|---------------------|-----------------------|----------------------|---------------------|-----------------------|-----------|------------|
| | -12542 Apr 26 j 02:51 | 0°♄ | asc. node | -12540 Dec 06 j 16:57 | 4°♌24'56 | |
| | -12542 May 20 j 14:15 | 0°♊ | greatest brilliancy | -12539 Jan 01 j 18:48 | 21°♌30'49 | -4.7m |
| | -12542 Jun 13 j 14:14 | 0°♋ | retrograde | -12539 Jan 12 j 14:40 | 23°♌36'41 | |
| asc. node | -12542 Jun 21 j 20:56 | 10°♋25'58 | evening set | -12539 Jan 30 j 05:29 | 17°♌51'07 | |
| | -12542 Jul 07 j 08:37 | 0°♌ | inferior conj | -12539 Feb 03 j 01:08 | 15°♌30'44 | 8°08'31 |
| | -12542 Jul 31 j 02:01 | 0°♍ | minimum elong | -12539 Feb 03 j 01:31 | 15°♌30'08 | 8°07'58 |
| morning set | -12542 Aug 04 j 08:58 | 5°♍24'46 | min. Earth dist. | -12539 Feb 03 j 22:37 | 14°♌57'12 | 0.29312 AU |
| | -12542 Aug 23 j 21:59 | 0°♎ | morning rise | -12539 Feb 06 j 21:17 | 13°♌08'34 | |
| | | | direct | -12539 Feb 25 j 02:18 | 7°♌02'50 | |
| superior conj | -12542 Sep 15 j 22:57 | 28°♎46'27 0°56'19 | greatest brilliancy | -12539 Mar 07 j 20:15 | 9°♌05'35 | -4.7m |
| minimum elong | -12542 Sep 16 j 10:44 | 29°♎23'05 0°56'42 | desc. node | -12539 Mar 30 j 12:55 | 23°♌10'57 | |
| | -12542 Sep 16 j 22:36 | 0°♏ | | -12539 Apr 07 j 10:49 | 0°♐ | |
| max. Earth dist. | -12542 Sep 22 j 17:42 | 7°♏11'59 1.72155 AU | morning max el | -12539 Apr 15 j 17:20 | 7°♐47'48 | 46°23'55 |
| | -12542 Oct 11 j 04:05 | 0°♐ | | -12539 May 06 j 23:55 | 0°♑ | |
| desc. node | -12542 Oct 13 j 08:51 | 2°♐42'45 | | -12539 Jun 02 j 04:31 | 0°♒ | |
| evening rise | -12542 Oct 28 j 06:47 | 21°♐04'21 | | -12539 Jun 27 j 01:00 | 0°♓ | |
| | -12542 Nov 04 j 13:16 | 0°♑ | asc. node | -12539 Jul 19 j 11:12 | 27°♓45'23 | |
| | -12542 Nov 29 j 00:55 | 0°♒ | | -12539 Jul 21 j 06:24 | 0°♑ | |
| | -12542 Dec 23 j 15:23 | 0°♓ | | -12539 Aug 14 j 06:03 | 0°♒ | |
| | -12541 Jan 17 j 11:18 | 0°♑ | | -12539 Sep 07 j 06:00 | 0°♎ | |
| asc. node | -12541 Feb 01 j 10:33 | 17°♑51'50 | | -12539 Oct 01 j 09:41 | 0°♏ | |
| | -12541 Feb 11 j 17:13 | 0°♑ | morning set | -12539 Oct 21 j 01:38 | 24°♏15'04 | |
| | -12541 Mar 09 j 15:32 | 0°♒ | | -12539 Oct 25 j 17:55 | 0°♐ | |
| | -12541 Apr 05 j 18:58 | 0°♓ | desc. node | -12539 Nov 09 j 22:04 | 18°♐36'38 | |
| evening max el | -12541 Apr 23 j 12:05 | 18°♓12'40 46°59'14 | | -12539 Nov 19 j 05:12 | 0°♑ | |
| | -12541 May 06 j 03:22 | 0°♑ | | | | |
| desc. node | -12541 May 26 j 07:54 | 14°♑56'35 | superior conj | -12539 Nov 30 j 05:23 | 13°♑28'36 | -0°43'09 |
| greatest brilliancy | -12541 Jun 03 j 07:16 | 18°♑34'54 -4.9m | minimum elong | -12539 Nov 29 j 21:20 | 13°♑03'56 | 0°42'35 |
| retrograde | -12541 Jun 12 j 22:36 | 20°♑18'37 | max. Earth dist. | -12539 Nov 29 j 23:42 | 13°♑11'13 | 1.73710 AU |
| evening set | -12541 Jun 29 j 07:11 | 15°♑08'46 | | -12539 Dec 13 j 17:06 | 0°♒ | |
| min. Earth dist. | -12541 Jul 02 j 18:32 | 13°♑05'42 0.26434 AU | evening rise | -12538 Jan 06 j 00:46 | 28°♒36'27 | |
| inferior conj | -12541 Jul 03 j 15:16 | 12°♑34'23 -7°47'04 | | -12538 Jan 07 j 03:59 | 0°♓ | |
| minimum elong | -12541 Jul 03 j 06:57 | 12°♑46'57 7°45'45 | greatest brilliancy | -12538 Jan 20 j 08:14 | 16°♓11'16 | -3.9m |
| morning rise | -12541 Jul 07 j 06:56 | 10°♑24'28 | | -12538 Jan 31 j 14:09 | 0°♑ | |
| direct | -12541 Jul 23 j 19:59 | 5°♑06'55 | | -12538 Feb 25 j 01:25 | 0°♑ | |
| greatest brilliancy | -12541 Aug 02 j 18:04 | 7°♑00'26 -4.9m | asc. node | -12538 Feb 28 j 21:20 | 4°♑40'56 | |
| | -12541 Sep 03 j 18:59 | 0°♒ | | -12538 Mar 21 j 15:58 | 0°♒ | |
| morning max el | -12541 Sep 12 j 04:45 | 8°♒16'25 46°26'48 | | -12538 Apr 15 j 11:44 | 0°♓ | |
| asc. node | -12541 Sep 14 j 11:09 | 10°♒35'19 | | -12538 May 10 j 15:36 | 0°♑ | |
| | -12541 Oct 02 j 13:49 | 0°♎ | | -12538 Jun 05 j 11:16 | 0°♒ | |
| | -12541 Oct 29 j 00:18 | 0°♏ | desc. node | -12538 Jun 22 j 17:40 | 19°♒13'04 | |
| | -12541 Nov 23 j 18:23 | 0°♐ | | -12538 Jul 02 j 22:07 | 0°♎ | |
| | -12541 Dec 19 j 05:35 | 0°♑ | evening max el | -12538 Jul 04 j 23:57 | 2°♎07'49 | 47°54'24 |
| desc. node | -12540 Jan 06 j 00:10 | 21°♑07'08 | | -12538 Aug 06 j 12:14 | 0°♏ | |
| | -12540 Jan 13 j 10:31 | 0°♒ | greatest brilliancy | -12538 Aug 15 j 16:04 | 4°♏31'15 | -4.9m |
| | -12540 Feb 07 j 07:32 | 0°♓ | retrograde | -12538 Aug 25 j 07:54 | 6°♏20'22 | |
| | -12540 Mar 02 j 19:56 | 0°♑ | evening set | -12538 Sep 10 j 14:59 | 0°♏58'15 | |
| morning set | -12540 Mar 10 j 19:06 | 9°♑50'11 | | -12538 Sep 12 j 04:56 | 30°♒♎ | |
| | -12540 Mar 27 j 00:48 | 0°♑ | min. Earth dist. | -12538 Sep 14 j 17:49 | 28°♎23'01 | 0.27586 AU |
| max. Earth dist. | -12540 Apr 10 j 22:29 | 18°♑37'09 1.71888 AU | inferior conj | -12538 Sep 15 j 05:37 | 28°♎04'02 | -5°51'39 |
| | | | minimum elong | -12538 Sep 15 j 14:56 | 27°♎49'02 | 5°48'47 |
| superior conj | -12540 Apr 15 j 00:33 | 23°♑44'17 -0°24'38 | morning rise | -12538 Sep 20 j 15:24 | 24°♎43'01 | |
| minimum elong | -12540 Apr 15 j 05:17 | 23°♑59'07 0°25'08 | direct | -12538 Oct 05 j 17:21 | 20°♎05'08 | |
| | -12540 Apr 20 j 00:25 | 0°♒ | asc. node | -12538 Oct 11 j 22:34 | 20°♎50'30 | |
| asc. node | -12540 Apr 25 j 19:29 | 7°♒16'28 | greatest brilliancy | -12538 Oct 15 j 00:33 | 21°♎44'00 | -4.8m |
| | -12540 May 13 j 21:17 | 0°♓ | | -12538 Oct 30 j 06:55 | 0°♏ | |
| evening rise | -12540 May 21 j 22:17 | 10°♓06'59 | morning max el | -12538 Nov 23 j 22:26 | 21°♏09'05 | 46°05'16 |
| | -12540 Jun 06 j 17:40 | 0°♑ | | -12538 Dec 02 j 20:02 | 0°♐ | |
| | -12540 Jun 30 j 15:39 | 0°♒ | | -12538 Dec 30 j 23:49 | 0°♑ | |
| | -12540 Jul 24 j 17:24 | 0°♎ | | -12537 Jan 26 j 14:30 | 0°♒ | |
| desc. node | -12540 Aug 17 j 11:30 | 29°♎18'31 | desc. node | -12537 Feb 02 j 14:04 | 8°♒03'31 | |
| | -12540 Aug 18 j 01:02 | 0°♏ | | -12537 Feb 21 j 07:26 | 0°♓ | |
| | -12540 Sep 11 j 17:14 | 0°♐ | | -12537 Mar 18 j 07:25 | 0°♑ | |
| | -12540 Oct 06 j 23:05 | 0°♑ | | -12537 Apr 11 j 18:01 | 0°♑ | |
| | -12540 Nov 02 j 08:05 | 0°♒ | | -12537 May 05 j 19:04 | 0°♒ | |
| evening max el | -12540 Nov 25 j 12:40 | 24°♒08'01 44°57'55 | morning set | -12537 May 18 j 14:01 | 16°♒05'27 | |
| | -12540 Dec 01 j 17:53 | 0°♓ | asc. node | -12537 May 24 j 08:59 | 23°♒23'50 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|-----------------------|----------------------|------------|
| | -12537 May 29 j 14:23 | 0° H | | min. Earth dist. | -12535 Nov 23 j 16:38 | 7° H 48'45 | 0.29088 AU |
| | -12537 Jun 22 j 07:24 | 0° Y | | inferior conj | -12535 Nov 24 j 01:56 | 7° H 33'43 | 3°29'00 |
| | | | | minimum elong | -12535 Nov 23 j 19:23 | 7° H 44'19 | 3°27'37 |
| superior conj | -12537 Jun 26 j 13:15 | 5° Y 22'17 | 1°06'35 | morning rise | -12535 Nov 29 j 16:39 | 4° H 03'38 | |
| minimum elong | -12537 Jun 26 j 03:00 | 4° Y 49'52 | 1°06'21 | | -12535 Dec 08 j 22:23 | 30° R 02 | |
| max. Earth dist. | -12537 Jun 28 j 18:41 | 8° Y 11'20 | 1.70706 AU | direct | -12535 Dec 15 j 14:46 | 29° H 05'49 | |
| | -12537 Jul 16 j 01:03 | 0° B | | | -12535 Dec 22 j 13:21 | 0° H | |
| evening rise | -12537 Aug 07 j 10:18 | 28° B 08'55 | | greatest brilliancy | -12535 Dec 24 j 16:23 | 0° H 36'31 | -4.7m |
| | -12537 Aug 08 j 21:47 | 0° H | | morning max el | -12534 Feb 02 j 10:42 | 28° H 43'36 | 46°03'14 |
| | -12537 Sep 01 j 23:15 | 0° B | | | -12534 Feb 03 j 18:54 | 0° B | |
| desc. node | -12537 Sep 14 j 22:43 | 16° B 03'54 | | desc. node | -12534 Mar 02 j 03:05 | 27° B 00'39 | |
| | -12537 Sep 26 j 06:06 | 0° H | | | -12534 Mar 04 j 21:04 | 0° H | |
| | -12537 Oct 20 j 18:37 | 0° H | | | -12534 Mar 31 j 09:49 | 0° B | |
| | -12537 Nov 14 j 14:27 | 0° B | | | -12534 Apr 25 j 15:28 | 0° B | |
| | -12537 Dec 09 j 23:00 | 0° H | | | -12534 May 20 j 02:19 | 0° B | |
| asc. node | -12536 Jan 04 j 02:46 | 28° H 37'17 | | | -12534 Jun 13 j 02:01 | 0° H | |
| | -12536 Jan 05 j 08:47 | 0° B | | asc. node | -12534 Jun 20 j 23:14 | 9° H 56'14 | |
| | -12536 Feb 03 j 03:46 | 0° B | | | -12534 Jul 06 j 20:14 | 0° Y | |
| evening max el | -12536 Feb 06 j 05:42 | 2° B 56'28 | 45°09'50 | | -12534 Jul 30 j 13:34 | 0° B | |
| | -12536 Mar 15 j 01:10 | 0° B | | morning set | -12534 Aug 01 j 18:03 | 2° B 45'37 | |
| greatest brilliancy | -12536 Mar 15 j 21:57 | 0° B 17'56 | -4.7m | | -12534 Aug 23 j 09:30 | 0° H | |
| retrograde | -12536 Mar 25 j 17:55 | 2° B 00'23 | | | | | |
| | -12536 Apr 04 j 23:49 | 30° R 03 | | superior conj | -12534 Sep 13 j 07:29 | 26° H 08'02 | 0°59'09 |
| evening set | -12536 Apr 09 j 17:41 | 27° B 50'12 | | minimum elong | -12534 Sep 13 j 19:22 | 26° H 45'00 | 0°59'33 |
| inferior conj | -12536 Apr 15 j 17:38 | 24° B 27'02 | 2°39'20 | | -12534 Sep 16 j 10:03 | 0° B | |
| minimum elong | -12536 Apr 15 j 23:23 | 24° B 18'33 | 2°36'59 | max. Earth dist. | -12534 Sep 20 j 08:04 | 4° B 52'07 | 1.72082 AU |
| min. Earth dist. | -12536 Apr 16 j 17:27 | 23° B 51'56 | 0.27203 AU | | -12534 Oct 10 j 15:27 | 0° H | |
| morning rise | -12536 Apr 22 j 04:02 | 20° B 48'08 | | desc. node | -12534 Oct 12 j 11:00 | 2° H 14'16 | |
| desc. node | -12536 Apr 26 j 23:57 | 18° B 36'07 | | evening rise | -12534 Oct 25 j 19:27 | 18° H 40'53 | |
| direct | -12536 May 06 j 21:16 | 16° B 40'27 | | | -12534 Nov 04 j 00:35 | 0° H | |
| greatest brilliancy | -12536 May 18 j 17:02 | 19° B 12'59 | -4.9m | | -12534 Nov 28 j 12:18 | 0° B | |
| | -12536 Jun 05 j 04:26 | 0° B | | | -12534 Dec 23 j 03:02 | 0° H | |
| morning max el | -12536 Jun 26 j 10:46 | 19° B 27'46 | 46°40'10 | | -12533 Jan 16 j 23:32 | 0° B | |
| | -12536 Jul 06 j 11:59 | 0° H | | asc. node | -12533 Jan 31 j 12:48 | 17° B 20'44 | |
| | -12536 Aug 02 j 00:03 | 0° Y | | | -12533 Feb 11 j 06:31 | 0° B | |
| asc. node | -12536 Aug 16 j 00:47 | 16° Y 39'04 | | | -12533 Mar 09 j 06:47 | 0° B | |
| | -12536 Aug 27 j 02:47 | 0° B | | | -12533 Apr 05 j 14:20 | 0° H | |
| | -12536 Sep 20 j 18:26 | 0° H | | evening max el | -12533 Apr 21 j 01:41 | 15° H 48'03 | 46°55'12 |
| | -12536 Oct 15 j 08:42 | 0° B | | | -12533 May 06 j 12:54 | 0° Y | |
| | -12536 Nov 09 j 01:08 | 0° H | | desc. node | -12533 May 25 j 10:18 | 13° Y 16'55 | |
| | -12536 Dec 03 j 19:09 | 0° H | | greatest brilliancy | -12533 May 31 j 18:51 | 16° Y 02'38 | -4.9m |
| desc. node | -12536 Dec 07 j 12:09 | 4° H 29'49 | | retrograde | -12533 Jun 10 j 10:08 | 17° Y 45'52 | |
| | -12536 Dec 28 j 11:58 | 0° B | | evening set | -12533 Jun 26 j 14:55 | 12° Y 43'12 | |
| morning set | -12536 Dec 31 j 19:11 | 4° B 01'17 | | min. Earth dist. | -12533 Jun 30 j 06:57 | 10° Y 33'29 | 0.26409 AU |
| | -12535 Jan 22 j 01:01 | 0° H | | inferior conj | -12533 Jul 01 j 03:02 | 10° Y 03'10 | -7°35'30 |
| max. Earth dist. | -12535 Feb 01 j 13:11 | 12° H 54'49 | 1.73511 AU | minimum elong | -12533 Jun 30 j 18:12 | 10° Y 16'31 | 7°34'01 |
| | | | | morning rise | -12533 Jul 04 j 21:41 | 7° Y 49'00 | |
| superior conj | -12535 Feb 05 j 18:44 | 18° H 07'39 | -1°19'41 | direct | -12533 Jul 21 j 08:02 | 2° Y 36'30 | |
| minimum elong | -12535 Feb 05 j 20:30 | 18° H 13'07 | 1°20'15 | greatest brilliancy | -12533 Jul 31 j 07:22 | 4° Y 30'41 | -4.9m |
| | -12535 Feb 15 j 09:33 | 0° B | | | -12533 Sep 03 j 21:45 | 0° B | |
| | -12535 Mar 11 j 14:39 | 0° B | | morning max el | -12533 Sep 09 j 16:29 | 5° B 45'11 | 46°27'33 |
| evening rise | -12535 Mar 12 j 15:29 | 1° B 17'06 | | asc. node | -12533 Sep 13 j 13:22 | 9° B 43'42 | |
| asc. node | -12535 Mar 28 j 09:00 | 20° B 49'19 | | | -12533 Oct 02 j 07:33 | 0° H | |
| | -12535 Apr 04 j 18:14 | 0° B | | | -12533 Oct 28 j 15:00 | 0° B | |
| | -12535 Apr 28 j 21:59 | 0° H | | | -12533 Nov 23 j 07:33 | 0° H | |
| | -12535 May 23 j 03:21 | 0° Y | | | -12533 Dec 18 j 17:49 | 0° H | |
| | -12535 Jun 16 j 12:27 | 0° B | | desc. node | -12532 Jan 05 j 02:18 | 20° H 38'16 | |
| | -12535 Jul 11 j 05:00 | 0° H | | | -12532 Jan 12 j 22:09 | 0° B | |
| desc. node | -12535 Jul 20 j 03:24 | 10° H 42'13 | | | -12532 Feb 06 j 18:49 | 0° H | |
| | -12535 Aug 05 j 12:02 | 0° B | | | -12532 Mar 02 j 07:02 | 0° B | |
| | -12535 Sep 01 j 02:04 | 0° H | | morning set | -12532 Mar 08 j 14:47 | 7° B 48'23 | |
| evening max el | -12535 Sep 13 j 16:20 | 13° H 12'57 | 46°32'30 | | -12532 Mar 26 j 11:52 | 0° B | |
| | -12535 Oct 01 j 15:49 | 0° H | | max. Earth dist. | -12532 Apr 08 j 14:16 | 16° B 21'37 | 1.71957 AU |
| greatest brilliancy | -12535 Oct 22 j 15:21 | 13° H 37'02 | -4.8m | | | | |
| retrograde | -12535 Nov 02 j 21:07 | 16° H 00'01 | | superior conj | -12532 Apr 12 j 18:52 | 21° B 36'29 | -0°27'32 |
| asc. node | -12535 Nov 08 j 09:14 | 15° H 21'52 | | minimum elong | -12532 Apr 13 j 00:04 | 21° B 52'44 | 0°28'02 |
| evening set | -12535 Nov 17 j 22:42 | 11° H 22'42 | | | -12532 Apr 19 j 11:34 | 0° B | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | |
|---------------------|-----------------------|---|---------------------|-----------------------|---|------------|
| asc. node | -12532 Apr 24 j 21:44 | 6°  48'21 | greatest brilliancy | -12530 Oct 12 j 15:29 | 19°  24'13 | -4.8m |
| | -12532 May 13 j 08:35 | 0°  | | -12530 Oct 31 j 01:34 | 0°  | |
| evening rise | -12532 May 19 j 13:29 | 7°  48'06 | morning max el | -12530 Nov 21 j 13:50 | 18°  54'12 | 46°05'54 |
| | -12532 Jun 06 j 05:10 | 0°  | | -12530 Dec 02 j 15:49 | 0°  | |
| | -12532 Jun 30 j 03:23 | 0°  | | -12530 Dec 30 j 14:58 | 0°  | |
| | -12532 Jul 24 j 05:22 | 0°  | | -12529 Jan 26 j 03:40 | 0°  | |
| desc. node | -12532 Aug 16 j 13:40 | 28°  47'31 | desc. node | -12529 Feb 01 j 16:06 | 7°  32'13 | |
| | -12532 Aug 17 j 13:20 | 0°  | | -12529 Feb 20 j 19:33 | 0°  | |
| | -12532 Sep 11 j 06:05 | 0°  | | -12529 Mar 17 j 18:58 | 0°  | |
| | -12532 Oct 06 j 13:02 | 0°  | | -12529 Apr 11 j 05:15 | 0°  | |
| | -12532 Nov 02 j 00:38 | 0°  | | -12529 May 05 j 06:10 | 0°  | |
| evening max el | -12532 Nov 23 j 03:18 | 21°  53'36 | morning set | -12529 May 16 j 06:02 | 13°  49'43 | |
| | -12532 Dec 01 j 19:33 | 0°  | asc. node | -12529 May 23 j 11:20 | 22°  | |
| asc. node | -12532 Dec 05 j 19:26 | 3°  28'54 | | -12529 May 29 j 01:30 | 0°  | |
| greatest brilliancy | -12532 Dec 30 j 10:37 | 19°  23'20 | | -12529 Jun 21 j 18:35 | 0°  | |
| retrograde | -12531 Jan 10 j 07:15 | 21°  30'38 | | | | |
| evening set | -12531 Jan 27 j 21:41 | 15°  45'01 | superior conj | -12529 Jun 24 j 00:58 | 2°  52'04 | 1°04'18 |
| inferior conj | -12531 Jan 31 j 18:03 | 13°  23'33 | minimum elong | -12529 Jun 23 j 14:38 | 2°  19'22 | 1°04'01 |
| minimum elong | -12531 Jan 31 j 17:43 | 13°  24'03 | max. Earth dist. | -12529 Jun 26 j 01:26 | 5°  25'24 | 1.70714 AU |
| min. Earth dist. | -12531 Feb 01 j 14:37 | 12°  51'23 | | -12529 Jul 15 j 12:19 | 0°  | |
| morning rise | -12531 Feb 04 j 13:28 | 11°  02'18 | evening rise | -12529 Aug 04 j 17:38 | 25°  25'55 | |
| direct | -12531 Feb 22 j 18:40 | 4°  54'44 | | -12529 Aug 08 j 09:09 | 0°  | |
| greatest brilliancy | -12531 Mar 05 j 12:12 | 6°  56'44 | | -12529 Sep 01 j 10:43 | 0°  | |
| desc. node | -12531 Mar 29 j 15:06 | 22°  10'22 | desc. node | -12529 Sep 14 j 00:57 | 15°  35'14 | |
| | -12531 Apr 07 j 12:24 | 0°  | | -12529 Sep 25 j 17:41 | 0°  | |
| morning max el | -12531 Apr 13 j 08:43 | 5°  33'41 | | -12529 Oct 20 j 06:26 | 0°  | |
| | -12531 May 06 j 16:46 | 0°  | | -12529 Nov 14 j 02:45 | 0°  | |
| | -12531 Jun 01 j 18:43 | 0°  | | -12529 Dec 09 j 12:22 | 0°  | |
| | -12531 Jun 26 j 14:01 | 0°  | asc. node | -12528 Jan 03 j 04:59 | 28°  00'26 | |
| asc. node | -12531 Jul 18 j 13:19 | 27°  13'11 | | -12528 Jan 05 j 00:34 | 0°  | |
| | -12531 Jul 20 j 18:47 | 0°  | | -12528 Feb 03 j 02:35 | 0°  | |
| | -12531 Aug 13 j 18:03 | 0°  | evening max el | -12528 Feb 03 j 20:39 | 0°  42'46 | 45°07'36 |
| | -12531 Sep 06 j 17:43 | 0°  | greatest brilliancy | -12528 Mar 13 j 09:56 | 27°  38'12 | -4.7m |
| | -12531 Sep 30 j 21:09 | 0°  | retrograde | -12528 Mar 23 j 07:10 | 29°  34'07 | |
| morning set | -12531 Oct 18 j 13:27 | 21°  48'55 | evening set | -12528 Apr 07 j 08:49 | 25°  38'07 | |
| | -12531 Oct 25 j 05:12 | 0°  | inferior conj | -12528 Apr 13 j 06:43 | 22°  30'00 | 2°59'53 |
| desc. node | -12531 Nov 09 j 00:19 | 18°  09'14 | minimum elong | -12528 Apr 13 j 13:07 | 21°  37'33 | 2°57'23 |
| | -12531 Nov 18 j 16:21 | 0°  | min. Earth dist. | -12528 Apr 14 j 07:19 | 21°  30'40 | 0.27275 AU |
| | | | morning rise | -12528 Apr 19 j 16:27 | 18°  28'48 | |
| superior conj | -12531 Nov 27 j 20:59 | 11°  15'29 | desc. node | -12528 Apr 26 j 02:17 | 15°  34'49 | |
| minimum elong | -12531 Nov 27 j 13:12 | 10°  11'40 | direct | -12528 May 04 j 12:03 | 14°  31'09 | |
| max. Earth dist. | -12531 Nov 27 j 18:32 | 11°  08'00 | greatest brilliancy | -12528 May 16 j 06:53 | 16°  35'05 | -4.9m |
| | -12531 Dec 13 j 04:09 | 0°  | | -12528 Jun 05 j 17:07 | 0°  | |
| evening rise | -12530 Jan 03 j 19:56 | 26°  34'02 | morning max el | -12528 Jun 24 j 01:17 | 17°  45'23 | 46°39'57 |
| | -12530 Jan 06 j 15:02 | 0°  | | -12528 Jul 06 j 07:16 | 0°  | |
| greatest brilliancy | -12530 Jan 19 j 13:54 | 15°  54'36 | | -12528 Aug 01 j 15:18 | 0°  | |
| | -12530 Jan 31 j 01:19 | 0°  | asc. node | -12528 Aug 15 j 03:00 | 16°  03'10 | |
| | -12530 Feb 24 j 12:55 | 0°  | | -12528 Aug 26 j 16:20 | 0°  | |
| asc. node | -12530 Feb 27 j 23:35 | 4°  31'27 | | -12528 Sep 20 j 07:04 | 0°  | |
| | -12530 Mar 21 j 04:02 | 0°  | | -12528 Oct 14 j 20:45 | 0°  | |
| | -12530 Apr 15 j 00:40 | 0°  | | -12528 Nov 08 j 12:45 | 0°  | |
| | -12530 May 10 j 05:53 | 0°  | | -12528 Dec 03 j 06:25 | 0°  | |
| | -12530 Jun 05 j 03:54 | 0°  | desc. node | -12528 Dec 06 j 14:18 | 4°  02'20 | |
| desc. node | -12530 Jun 21 j 19:55 | 18°  26'39 | | -12528 Dec 27 j 22:58 | 0°  | |
| evening max el | -12530 Jul 02 j 14:24 | 29°  44'23 | morning set | -12528 Dec 29 j 12:24 | 1°  54'00 | |
| | -12530 Jul 02 j 20:32 | 0°  | | -12527 Jan 21 j 11:52 | 0°  | |
| | -12530 Aug 08 j 09:26 | 0°  | max. Earth dist. | -12527 Jan 30 j 11:13 | 11°  01'36 | 1.73543 AU |
| greatest brilliancy | -12530 Aug 13 j 08:16 | 2°  30'23 | | | | |
| retrograde | -12530 Aug 22 j 22:51 | 3°  57'47 | superior conj | -12527 Feb 03 j 14:27 | 16°  07'06 | -1°19'59 |
| | -12530 Sep 05 j 18:59 | 30°  18'11 | minimum elong | -12527 Feb 03 j 15:41 | 16°  10'54 | 1°20'32 |
| evening set | -12530 Sep 08 j 08:41 | 28°  13'35 | | -12527 Feb 14 j 20:23 | 0°  | |
| inferior conj | -12530 Sep 12 j 20:31 | 25°  14'08 | evening rise | -12527 Mar 10 j 11:13 | 29°  15'20 | |
| minimum elong | -12530 Sep 13 j 05:55 | 25°  17'02 | | -12527 Mar 11 j 01:36 | 0°  | |
| min. Earth dist. | -12530 Sep 12 j 08:37 | 26°  11'13 | asc. node | -12527 Mar 27 j 11:17 | 20°  32'01 | |
| morning rise | -12530 Sep 18 j 03:37 | 22°  25'26 | | -12527 Apr 04 j 05:25 | 0°  | |
| direct | -12530 Oct 03 j 07:10 | 17°  24'09 | | -12527 Apr 28 j 09:28 | 0°  | |
| asc. node | -12530 Oct 11 j 00:50 | 18°  25'42 | | -12527 May 22 j 15:14 | 0°  | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12527 Jun 16 j 00:53 | 0°♄ | | desc. node | -12524 Jan 04 j 04:19 | 20°♎09'38 | |
| | -12527 Jul 10 j 18:17 | 0°♂ | | | -12524 Jan 12 j 09:36 | 0°♊ | |
| desc. node | -12527 Jul 19 j 05:34 | 10°♂07'56 | | | -12524 Feb 06 j 05:56 | 0°♌ | |
| | -12527 Aug 05 j 02:49 | 0°♄ | | | -12524 Mar 01 j 17:58 | 0°♈ | |
| | -12527 Aug 31 j 20:20 | 0°♈ | | morning set | -12524 Mar 06 j 10:05 | 5°♈46'01 | |
| evening max el | -12527 Sep 11 j 08:58 | 10°♈59'43 | 46°36'12 | | -12524 Mar 25 j 22:44 | 0°♈ | |
| | -12527 Oct 02 j 01:03 | 0°♎ | | max. Earth dist. | -12524 Apr 06 j 08:01 | 14°♈12'59 | 1.72020 AU |
| greatest brilliancy | -12527 Oct 20 j 10:04 | 11°♎28'48 | -4.8m | | | | |
| retrograde | -12527 Oct 31 j 14:43 | 13°♎50'29 | | superior conj | -12524 Apr 10 j 13:00 | 19°♈28'53 | -0°30'25 |
| asc. node | -12527 Nov 07 j 11:41 | 12°♎51'03 | | minimum elong | -12524 Apr 10 j 18:37 | 19°♈46'27 | 0°30'54 |
| evening set | -12527 Nov 15 j 15:15 | 9°♎14'47 | | | -12524 Apr 18 j 22:29 | 0°♏ | |
| inferior conj | -12527 Nov 21 j 19:12 | 5°♎24'15 | 3°12'02 | asc. node | -12524 Apr 24 j 00:01 | 6°♏21'07 | |
| minimum elong | -12527 Nov 21 j 13:05 | 5°♎34'09 | 3°10'45 | | -12524 May 12 j 19:40 | 0°♏ | |
| min. Earth dist. | -12527 Nov 21 j 09:24 | 5°♎40'07 | 0.29040 AU | evening rise | -12524 May 17 j 04:49 | 5°♏30'29 | |
| morning rise | -12527 Nov 27 j 11:34 | 1°♎51'33 | | | -12524 Jun 05 j 16:28 | 0°♏ | |
| | -12527 Nov 30 j 23:23 | 30°♎♈ | | | -12524 Jun 29 j 14:54 | 0°♄ | |
| direct | -12527 Dec 13 j 07:41 | 26°♈57'20 | | | -12524 Jul 23 j 17:07 | 0°♂ | |
| greatest brilliancy | -12527 Dec 22 j 08:00 | 28°♈27'07 | -4.7m | desc. node | -12524 Aug 15 j 15:59 | 28°♂17'43 | |
| | -12527 Dec 26 j 10:14 | 0°♎ | | | -12524 Aug 17 j 01:24 | 0°♄ | |
| morning max el | -12526 Jan 31 j 02:31 | 26°♎34'34 | 46°02'48 | | -12524 Sep 10 j 18:43 | 0°♈ | |
| | -12526 Feb 03 j 16:26 | 0°♊ | | | -12524 Oct 06 j 02:49 | 0°♎ | |
| desc. node | -12526 Mar 01 j 05:20 | 26°♊23'51 | | | -12524 Nov 01 j 17:12 | 0°♊ | |
| | -12526 Mar 04 j 12:30 | 0°♌ | | evening max el | -12524 Nov 20 j 18:09 | 19°♊40'17 | 45°01'30 |
| | -12526 Mar 30 j 23:04 | 0°♈ | | | -12524 Dec 01 j 22:27 | 0°♌ | |
| | -12526 Apr 25 j 03:43 | 0°♈ | | asc. node | -12524 Dec 04 j 21:36 | 2°♌31'20 | |
| | -12526 May 19 j 14:03 | 0°♏ | | greatest brilliancy | -12524 Dec 28 j 01:39 | 17°♌15'03 | -4.7m |
| | -12526 Jun 12 j 13:27 | 0°♏ | | retrograde | -12523 Jan 08 j 00:05 | 19°♌24'28 | |
| asc. node | -12526 Jun 20 j 01:20 | 9°♏26'56 | | evening set | -12523 Jan 25 j 13:28 | 13°♌38'56 | |
| | -12526 Jul 06 j 07:30 | 0°♏ | | inferior conj | -12523 Jan 29 j 10:45 | 11°♌16'02 | 8°07'38 |
| morning set | -12526 Jul 30 j 03:40 | 0°♏09'12 | | minimum elong | -12523 Jan 29 j 09:45 | 11°♌17'37 | 8°07'07 |
| | -12526 Jul 30 j 00:45 | 0°♄ | | min. Earth dist. | -12523 Jan 30 j 06:13 | 10°♌45'37 | 0.29393 AU |
| | -12526 Aug 22 j 20:38 | 0°♂ | | morning rise | -12523 Feb 02 j 05:45 | 8°♌55'24 | |
| | | | | direct | -12523 Feb 20 j 11:11 | 2°♌46'16 | |
| superior conj | -12526 Sep 10 j 16:16 | 23°♂31'25 | 1°01'50 | greatest brilliancy | -12523 Mar 03 j 03:50 | 4°♌47'33 | -4.7m |
| minimum elong | -12526 Sep 11 j 04:07 | 24°♂08'17 | 1°02'15 | desc. node | -12523 Mar 28 j 17:23 | 21°♌11'24 | |
| | -12526 Sep 15 j 21:09 | 0°♄ | | | -12523 Apr 07 j 12:44 | 0°♈ | |
| max. Earth dist. | -12526 Sep 17 j 23:37 | 2°♄36'49 | 1.72012 AU | morning max el | -12523 Apr 11 j 00:54 | 3°♈21'52 | 46°22'19 |
| | -12526 Oct 10 j 02:32 | 0°♈ | | | -12523 May 06 j 09:14 | 0°♈ | |
| desc. node | -12526 Oct 11 j 13:16 | 1°♈47'08 | | | -12523 Jun 01 j 08:39 | 0°♏ | |
| evening rise | -12526 Oct 23 j 07:41 | 16°♈16'49 | | | -12523 Jun 26 j 02:48 | 0°♏ | |
| | -12526 Nov 03 j 11:40 | 0°♎ | | asc. node | -12523 Jul 17 j 15:26 | 26°♏41'40 | |
| | -12526 Nov 27 j 23:30 | 0°♊ | | | -12523 Jul 20 j 06:57 | 0°♏ | |
| | -12526 Dec 22 j 14:31 | 0°♌ | | | -12523 Aug 13 j 05:51 | 0°♄ | |
| | -12525 Jan 16 j 11:35 | 0°♈ | | | -12523 Sep 06 j 05:14 | 0°♂ | |
| asc. node | -12525 Jan 30 j 15:04 | 16°♈50'14 | | | -12523 Sep 30 j 08:28 | 0°♄ | |
| | -12525 Feb 10 j 19:39 | 0°♈ | | morning set | -12523 Oct 16 j 01:17 | 19°♄23'08 | |
| | -12525 Mar 08 j 21:58 | 0°♏ | | | -12523 Oct 24 j 16:19 | 0°♈ | |
| | -12525 Apr 05 j 09:56 | 0°♏ | | desc. node | -12523 Nov 08 j 02:28 | 17°♈42'02 | |
| evening max el | -12525 Apr 18 j 14:08 | 13°♏21'39 | 46°51'12 | | -12523 Nov 18 j 03:19 | 0°♎ | |
| | -12525 May 07 j 01:05 | 0°♏ | | | | | |
| desc. node | -12525 May 24 j 12:34 | 11°♏34'01 | | superior conj | -12523 Nov 25 j 12:30 | 9°♎02'36 | -0°37'33 |
| greatest brilliancy | -12525 May 29 j 06:51 | 13°♏31'47 | -4.9m | minimum elong | -12523 Nov 25 j 05:03 | 8°♎39'48 | 0°36'58 |
| retrograde | -12525 Jun 07 j 21:16 | 15°♏14'11 | | max. Earth dist. | -12523 Nov 25 j 14:10 | 9°♎07'41 | 1.73655 AU |
| evening set | -12525 Jun 23 j 22:35 | 10°♏18'26 | | | -12523 Dec 12 j 15:03 | 0°♊ | |
| min. Earth dist. | -12525 Jun 27 j 19:43 | 8°♏01'46 | 0.26386 AU | evening rise | -12522 Jan 01 j 15:04 | 24°♊31'56 | |
| inferior conj | -12525 Jun 28 j 14:47 | 7°♏33'02 | -7°22'56 | | -12522 Jan 06 j 01:58 | 0°♌ | |
| minimum elong | -12525 Jun 28 j 05:29 | 7°♏47'02 | 7°21'18 | greatest brilliancy | -12522 Jan 18 j 18:42 | 15°♌35'32 | -3.9m |
| morning rise | -12525 Jul 02 j 12:33 | 5°♏14'27 | | | -12522 Jan 30 j 12:27 | 0°♈ | |
| direct | -12525 Jul 18 j 19:31 | 0°♏06'50 | | | -12522 Feb 24 j 00:25 | 0°♈ | |
| greatest brilliancy | -12525 Jul 28 j 21:11 | 2°♏02'29 | -4.9m | asc. node | -12522 Feb 27 j 01:53 | 3°♈44'13 | |
| | -12525 Sep 03 j 22:42 | 0°♄ | | | -12522 Mar 20 j 16:09 | 0°♏ | |
| morning max el | -12525 Sep 07 j 03:40 | 3°♄13'25 | 46°28'26 | | -12522 Apr 14 j 13:40 | 0°♏ | |
| asc. node | -12525 Sep 12 j 15:38 | 8°♄54'13 | | | -12522 May 09 j 20:15 | 0°♏ | |
| | -12525 Oct 02 j 00:33 | 0°♂ | | | -12522 Jun 04 j 20:44 | 0°♄ | |
| | -12525 Oct 28 j 05:12 | 0°♄ | | desc. node | -12522 Jun 20 j 22:05 | 17°♄39'34 | |
| | -12525 Nov 22 j 20:21 | 0°♈ | | evening max el | -12522 Jun 30 j 05:30 | 27°♄22'57 | 47°55'30 |
| | -12525 Dec 18 j 05:47 | 0°♎ | | | -12522 Jul 02 j 19:44 | 0°♂ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|--------------------------|------------|---------------------|-----------------------|--------------------------------|------------|
| greatest brilliancy | -12522 Aug 10 j 23:44 | 29° Π 46'45 | -4.9m | max. Earth dist. | -12519 Jan 28 j 08:10 | 9° \mathbb{M} 04'40 | 1.73573 AU |
| | -12522 Aug 11 j 14:54 | 0° \mathfrak{D} | | | | | |
| retrograde | -12522 Aug 20 j 14:09 | 1° \mathfrak{D} 35'05 | | superior conj | -12519 Feb 01 j 10:20 | 14° \mathbb{M} 06'44 | -1°20'11 |
| | -12522 Aug 29 j 05:07 | 30° \mathbb{R} Π | | minimum elong | -12519 Feb 01 j 11:00 | 14° \mathbb{M} 08'48 | 1°20'43 |
| evening set | -12522 Sep 06 j 02:20 | 26° Π 04'36 | | | -12519 Feb 14 j 07:21 | 0° \mathfrak{X} | |
| inferior conj | -12522 Sep 10 j 11:16 | 23° Π 19'55 | -6°22'53 | evening rise | -12519 Mar 08 j 07:06 | 27° \mathfrak{X} 13'44 | |
| minimum elong | -12522 Sep 10 j 20:44 | 23° Π 04'49 | 6°20'09 | | -12519 Mar 10 j 12:42 | 0° \mathfrak{Z} | |
| min. Earth dist. | -12522 Sep 09 j 22:55 | 23° Π 39'41 | 0.27494 AU | asc. node | -12519 Mar 26 j 13:37 | 19° \mathfrak{Z} 54'21 | |
| morning rise | -12522 Sep 15 j 15:34 | 20° Π 07'56 | | | -12519 Apr 03 j 16:47 | 0° \approx | |
| direct | -12522 Sep 30 j 21:25 | 15° Π 22'59 | | | -12519 Apr 27 j 21:11 | 0° \mathfrak{H} | |
| greatest brilliancy | -12522 Oct 10 j 05:48 | 17° Π 03'40 | -4.8m | | -12519 May 22 j 03:26 | 0° \mathcal{Y} | |
| asc. node | -12522 Oct 10 j 03:10 | 17° Π 01'25 | | | -12519 Jun 15 j 13:41 | 0° \mathfrak{B} | |
| | -12522 Oct 31 j 15:26 | 0° \mathfrak{D} | | | -12519 Jul 10 j 07:58 | 0° Π | |
| morning max el | -12522 Nov 19 j 05:50 | 16° \mathfrak{D} 40'52 | 46°06'34 | desc. node | -12519 Jul 18 j 07:55 | 9° Π 33'08 | |
| | -12522 Dec 02 j 10:59 | 0° \mathcal{O} | | | -12519 Aug 04 j 18:04 | 0° \mathfrak{D} | |
| | -12522 Dec 30 j 05:50 | 0° \mathbb{M} | | | -12519 Aug 31 j 15:18 | 0° \mathcal{O} | |
| | -12521 Jan 25 j 16:41 | 0° \mathfrak{L} | | evening max el | -12519 Sep 09 j 00:37 | 8° \mathcal{O} 43'11 | 46°40'05 |
| desc. node | -12521 Jan 31 j 18:21 | 7° \mathfrak{L} 01'49 | | | -12519 Oct 02 j 13:47 | 0° \mathbb{M} | |
| | -12521 Feb 20 j 07:36 | 0° \mathbb{M} | | greatest brilliancy | -12519 Oct 18 j 05:20 | 9° \mathbb{M} 20'40 | -4.8m |
| | -12521 Mar 17 j 06:30 | 0° \mathfrak{X} | | retrograde | -12519 Oct 29 j 08:03 | 11° \mathbb{M} 40'33 | |
| | -12521 Apr 10 j 16:32 | 0° \mathfrak{Z} | | asc. node | -12519 Nov 06 j 13:51 | 10° \mathbb{M} 15'19 | |
| | -12521 May 04 j 17:22 | 0° \approx | | evening set | -12519 Nov 13 j 08:02 | 7° \mathbb{M} 06'10 | |
| morning set | -12521 May 13 j 21:55 | 11° \approx 33'21 | | min. Earth dist. | -12519 Nov 19 j 02:35 | 3° \mathbb{M} 30'41 | 0.28990 AU |
| asc. node | -12521 May 22 j 13:25 | 22° \approx 27'27 | | inferior conj | -12519 Nov 19 j 12:34 | 3° \mathbb{M} 14'28 | 2°54'45 |
| | -12521 May 28 j 12:42 | 0° \mathfrak{H} | | minimum elong | -12519 Nov 19 j 06:57 | 3° \mathbb{M} 23'37 | 2°53'37 |
| | -12521 Jun 21 j 05:49 | 0° \mathcal{Y} | | | -12519 Nov 24 j 16:13 | 30° \mathbb{R} \mathcal{O} | |
| | | | | morning rise | -12519 Nov 25 j 06:29 | 29° \mathcal{O} 39'09 | |
| superior conj | -12521 Jun 21 j 12:39 | 0° \mathcal{Y} 21'37 | 1°01'53 | direct | -12519 Dec 11 j 00:09 | 24° \mathcal{O} 48'25 | |
| minimum elong | -12521 Jun 21 j 02:18 | 29° \mathfrak{H} 48'53 | 1°01'32 | greatest brilliancy | -12519 Dec 20 j 00:14 | 26° \mathcal{O} 17'46 | -4.7m |
| max. Earth dist. | -12521 Jun 23 j 07:32 | 2° \mathcal{Y} 37'16 | 1.70717 AU | | -12519 Dec 28 j 12:07 | 0° \mathbb{M} | |
| | -12521 Jul 14 j 23:37 | 0° \mathfrak{B} | | morning max el | -12518 Jan 28 j 17:55 | 24° \mathbb{M} 23'52 | 46°02'28 |
| evening rise | -12521 Aug 02 j 00:58 | 22° \mathfrak{B} 42'46 | | | -12518 Feb 03 j 13:27 | 0° \mathfrak{L} | |
| | -12521 Aug 07 j 20:32 | 0° Π | | desc. node | -12518 Feb 28 j 07:29 | 25° \mathfrak{L} 46'32 | |
| | -12521 Aug 31 j 22:12 | 0° \mathfrak{D} | | | -12518 Mar 04 j 03:55 | 0° \mathbb{M} | |
| desc. node | -12521 Sep 13 j 03:13 | 15° \mathfrak{D} 06'38 | | | -12518 Mar 30 j 12:26 | 0° \mathfrak{X} | |
| | -12521 Sep 25 j 05:19 | 0° \mathcal{O} | | | -12518 Apr 24 j 16:07 | 0° \mathfrak{Z} | |
| | -12521 Oct 19 j 18:18 | 0° \mathbb{M} | | | -12518 May 19 j 01:57 | 0° \approx | |
| | -12521 Nov 13 j 15:07 | 0° \mathfrak{L} | | | -12518 Jun 12 j 01:07 | 0° \mathfrak{H} | |
| | -12521 Dec 09 j 01:50 | 0° \mathbb{M} | | asc. node | -12518 Jun 19 j 03:30 | 8° \mathfrak{H} 57'00 | |
| asc. node | -12520 Jan 02 j 07:19 | 27° \mathbb{M} 23'30 | | | -12518 Jul 05 j 19:05 | 0° \mathcal{Y} | |
| | -12520 Jan 04 j 16:37 | 0° \mathfrak{X} | | morning set | -12518 Jul 27 j 12:55 | 27° \mathcal{Y} 30'24 | |
| evening max el | -12520 Feb 01 j 11:28 | 28° \mathfrak{X} 28'39 | 45°05'18 | | -12518 Jul 29 j 12:17 | 0° \mathfrak{B} | |
| | -12520 Feb 03 j 02:28 | 0° \mathfrak{Z} | | | -12518 Aug 22 j 08:08 | 0° Π | |
| greatest brilliancy | -12520 Mar 10 j 22:21 | 25° \mathfrak{Z} 38'47 | -4.7m | | | | |
| retrograde | -12520 Mar 20 j 19:48 | 27° \mathfrak{Z} 21'21 | | superior conj | -12518 Sep 08 j 00:37 | 20° Π 52'13 | 1°04'25 |
| evening set | -12520 Apr 04 j 24:00 | 23° \mathfrak{Z} 05'31 | | minimum elong | -12518 Sep 08 j 12:18 | 21° Π 28'38 | 1°04'50 |
| inferior conj | -12520 Apr 10 j 19:46 | 19° \mathfrak{Z} 46'36 | 3°20'04 | | -12518 Sep 15 j 08:35 | 0° \mathfrak{D} | |
| minimum elong | -12520 Apr 11 j 02:44 | 19° \mathfrak{Z} 36'15 | 3°17'25 | max. Earth dist. | -12518 Sep 15 j 12:34 | 0° \mathfrak{D} 12'22 | 1.71935 AU |
| min. Earth dist. | -12520 Apr 11 j 21:22 | 19° \mathfrak{Z} 08'38 | 0.27353 AU | | -12518 Oct 09 j 13:54 | 0° \mathcal{O} | |
| morning rise | -12520 Apr 17 j 04:33 | 16° \mathfrak{Z} 09'01 | | desc. node | -12518 Oct 10 j 15:25 | 1° \mathcal{O} 18'42 | |
| desc. node | -12520 Apr 25 j 04:29 | 12° \mathfrak{Z} 53'49 | | evening rise | -12518 Oct 20 j 19:23 | 13° \mathcal{O} 50'10 | |
| direct | -12520 May 02 j 02:33 | 11° \mathfrak{Z} 57'17 | | | -12518 Nov 02 j 23:02 | 0° \mathbb{M} | |
| greatest brilliancy | -12520 May 13 j 20:45 | 14° \mathfrak{Z} 28'08 | -4.9m | | -12518 Nov 27 j 10:58 | 0° \mathfrak{L} | |
| | -12520 Jun 06 j 03:00 | 0° \approx | | | -12518 Dec 22 j 02:17 | 0° \mathbb{M} | |
| morning max el | -12520 Jun 21 j 14:57 | 14° \approx 39'58 | 46°39'44 | | -12517 Jan 15 j 23:58 | 0° \mathfrak{X} | |
| | -12520 Jul 06 j 02:21 | 0° \mathfrak{H} | | asc. node | -12517 Jan 29 j 17:28 | 16° \mathfrak{X} 19'11 | |
| | -12520 Aug 01 j 06:36 | 0° \mathcal{Y} | | | -12517 Feb 10 j 09:09 | 0° \mathfrak{Z} | |
| asc. node | -12520 Aug 14 j 05:16 | 15° \mathcal{Y} 27'04 | | | -12517 Mar 08 j 13:34 | 0° \approx | |
| | -12520 Aug 26 j 05:56 | 0° \mathfrak{B} | | | -12517 Apr 05 j 06:19 | 0° \mathfrak{H} | |
| | -12520 Sep 19 j 19:46 | 0° Π | | evening max el | -12517 Apr 16 j 01:55 | 10° \mathfrak{H} 53'19 | 46°47'12 |
| | -12520 Oct 14 j 08:52 | 0° \mathfrak{D} | | | -12517 May 07 j 17:23 | 0° \mathcal{Y} | |
| | -12520 Nov 08 j 00:27 | 0° \mathcal{O} | | desc. node | -12517 May 23 j 14:41 | 9° \mathcal{Y} 46'20 | |
| | -12520 Dec 02 j 17:47 | 0° \mathbb{M} | | greatest brilliancy | -12517 May 26 j 18:42 | 11° \mathcal{Y} 00'19 | -4.9m |
| desc. node | -12520 Dec 05 j 16:18 | 3° \mathbb{M} 33'58 | | retrograde | -12517 Jun 05 j 08:24 | 12° \mathcal{Y} 42'21 | |
| morning set | -12520 Dec 27 j 05:40 | 29° \mathbb{M} 46'31 | | evening set | -12517 Jun 21 j 06:16 | 7° \mathcal{Y} 52'51 | |
| | -12520 Dec 27 j 10:05 | 0° \mathfrak{L} | | min. Earth dist. | -12517 Jun 25 j 08:35 | 5° \mathcal{Y} 29'25 | 0.26372 AU |
| | -12519 Jan 20 j 22:50 | 0° \mathbb{M} | | inferior conj | -12517 Jun 26 j 02:33 | 5° \mathcal{Y} 02'23 | -7°09'18 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|------------------------|------------|---------------------|-----------------------|------------------------|------------|
| minimum elong | -12517 Jun 25 j 16:54 | 5° Υ 16'54 | 7°07'32 | evening rise | -12515 Dec 30 j 09:50 | 22° Ω 28'02 | |
| morning rise | -12517 Jun 30 j 03:38 | 2° Υ 39'20 | | | -12514 Jan 05 j 13:09 | 0° \mathbb{M} | |
| | -12517 Jul 05 j 09:55 | 30° \mathbb{K} | | greatest brilliancy | -12514 Jan 17 j 19:39 | 15° \mathbb{M} 03'53 | -3.9m |
| direct | -12517 Jul 16 j 06:57 | 27° \mathbb{K} 36'13 | | | -12514 Jan 29 j 23:48 | 0° \mathbb{J} | |
| greatest brilliancy | -12517 Jul 26 j 11:26 | 29° \mathbb{K} 33'58 | -4.9m | | -12514 Feb 23 j 12:10 | 0° \mathbb{Z} | |
| | -12517 Jul 27 j 14:18 | 0° Υ | | asc. node | -12514 Feb 26 j 04:12 | 3° \mathbb{Z} 15'16 | |
| | -12517 Sep 03 j 22:59 | 0° \mathbb{B} | | | -12514 Mar 20 j 04:31 | 0° \approx | |
| morning max el | -12517 Sep 04 j 15:41 | 0° \mathbb{B} 42'22 | 46°29'15 | | -12514 Apr 14 j 02:59 | 0° \mathbb{K} | |
| asc. node | -12517 Sep 11 j 17:53 | 8° \mathbb{B} 04'08 | | | -12514 May 09 j 10:58 | 0° Υ | |
| | -12517 Oct 01 j 17:41 | 0° \mathbb{H} | | | -12514 Jun 04 j 14:03 | 0° \mathbb{B} | |
| | -12517 Oct 27 j 19:41 | 0° \mathbb{G} | | desc. node | -12514 Jun 20 j 00:31 | 16° \mathbb{B} 52'02 | |
| | -12517 Nov 22 j 09:27 | 0° Ω | | evening max el | -12514 Jun 27 j 21:41 | 25° \mathbb{B} 03'58 | 47°55'53 |
| | -12517 Dec 17 j 18:02 | 0° \mathbb{M} | | | -12514 Jul 02 j 20:03 | 0° \mathbb{H} | |
| desc. node | -12516 Jan 03 j 06:35 | 19° \mathbb{M} 40'58 | | greatest brilliancy | -12514 Aug 08 j 14:49 | 27° \mathbb{H} 23'34 | -4.9m |
| | -12516 Jan 11 j 21:18 | 0° Ω | | retrograde | -12514 Aug 18 j 05:45 | 29° \mathbb{H} 12'03 | |
| | -12516 Feb 05 j 17:18 | 0° \mathbb{M} | | evening set | -12514 Sep 03 j 20:03 | 23° \mathbb{H} 37'31 | |
| | -12516 Mar 01 j 05:09 | 0° \mathbb{J} | | min. Earth dist. | -12514 Sep 07 j 12:58 | 21° \mathbb{H} 18'20 | 0.27448 AU |
| morning set | -12516 Mar 04 j 05:36 | 3° \mathbb{J} 43'29 | | inferior conj | -12514 Sep 08 j 02:04 | 20° \mathbb{H} 57'26 | -6°37'31 |
| | -12516 Mar 25 j 09:52 | 0° \mathbb{Z} | | minimum elong | -12514 Sep 08 j 11:30 | 20° \mathbb{H} 42'23 | 6°34'52 |
| max. Earth dist. | -12516 Apr 04 j 02:47 | 12° \mathbb{Z} 06'43 | 1.72080 AU | morning rise | -12514 Sep 13 j 03:25 | 17° \mathbb{H} 50'18 | |
| | | | | direct | -12514 Sep 28 j 12:07 | 13° \mathbb{H} 01'49 | |
| superior conj | -12516 Apr 08 j 07:33 | 17° \mathbb{Z} 21'48 | -0°33'13 | greatest brilliancy | -12514 Oct 07 j 19:40 | 14° \mathbb{H} 42'19 | -4.8m |
| minimum elong | -12516 Apr 08 j 13:34 | 17° \mathbb{Z} 40'35 | 0°33'42 | asc. node | -12514 Oct 09 j 05:23 | 15° \mathbb{H} 13'08 | |
| | -12516 Apr 18 j 09:41 | 0° \approx | | | -12514 Nov 01 j 01:56 | 0° \mathbb{G} | |
| asc. node | -12516 Apr 23 j 02:10 | 5° \approx 52'41 | | morning max el | -12514 Nov 16 j 21:56 | 14° \mathbb{G} 27'13 | 46°07'01 |
| | -12516 May 12 j 07:00 | 0° \mathbb{K} | | | -12514 Dec 02 j 05:50 | 0° Ω | |
| evening rise | -12516 May 14 j 20:47 | 3° \mathbb{K} 14'08 | | | -12514 Dec 29 j 20:44 | 0° \mathbb{M} | |
| | -12516 Jun 05 j 04:00 | 0° Υ | | | -12513 Jan 25 j 05:48 | 0° Ω | |
| | -12516 Jun 29 j 02:40 | 0° \mathbb{B} | | desc. node | -12513 Jan 30 j 20:29 | 6° Ω 30'39 | |
| | -12516 Jul 23 j 05:10 | 0° \mathbb{H} | | | -12513 Feb 19 j 19:46 | 0° \mathbb{M} | |
| desc. node | -12516 Aug 14 j 18:15 | 27° \mathbb{H} 46'40 | | | -12513 Mar 16 j 18:07 | 0° \mathbb{J} | |
| | -12516 Aug 16 j 13:50 | 0° \mathbb{G} | | | -12513 Apr 10 j 03:53 | 0° \mathbb{Z} | |
| | -12516 Sep 10 j 07:47 | 0° Ω | | | -12513 May 04 j 04:39 | 0° \approx | |
| | -12516 Oct 05 j 17:08 | 0° \mathbb{M} | | morning set | -12513 May 11 j 14:00 | 9° \approx 17'28 | |
| | -12516 Nov 01 j 10:31 | 0° Ω | | asc. node | -12513 May 21 j 15:36 | 21° \approx 58'47 | |
| evening max el | -12516 Nov 18 j 09:56 | 17° Ω 28'14 | 45°03'38 | | -12513 May 27 j 23:59 | 0° \mathbb{K} | |
| | -12516 Dec 02 j 03:35 | 0° \mathbb{M} | | | | | |
| asc. node | -12516 Dec 03 j 23:55 | 1° \mathbb{M} 31'50 | | superior conj | -12513 Jun 19 j 00:47 | 27° \mathbb{K} 52'18 | 0°59'22 |
| greatest brilliancy | -12516 Dec 25 j 16:38 | 15° \mathbb{M} 06'05 | -4.7m | minimum elong | -12513 Jun 18 j 14:30 | 27° \mathbb{K} 19'46 | 0°58'58 |
| retrograde | -12515 Jan 05 j 17:27 | 17° \mathbb{M} 17'46 | | max. Earth dist. | -12513 Jun 20 j 10:58 | 29° \mathbb{K} 40'26 | 1.70724 AU |
| evening set | -12515 Jan 23 j 05:14 | 11° \mathbb{M} 32'43 | | | -12513 Jun 20 j 17:09 | 0° Υ | |
| inferior conj | -12515 Jan 27 j 03:37 | 9° \mathbb{M} 08'00 | 8°06'14 | | -12513 Jul 14 j 11:01 | 0° \mathbb{B} | |
| minimum elong | -12515 Jan 27 j 01:56 | 9° \mathbb{M} 10'37 | 8°05'42 | evening rise | -12513 Jul 30 j 08:42 | 20° \mathbb{B} 00'27 | |
| min. Earth dist. | -12515 Jan 27 j 21:35 | 8° \mathbb{M} 39'53 | 0.29428 AU | | -12513 Aug 07 j 07:59 | 0° \mathbb{H} | |
| morning rise | -12515 Jan 30 j 22:26 | 6° \mathbb{M} 47'38 | | | -12513 Aug 31 j 09:44 | 0° \mathbb{G} | |
| direct | -12515 Feb 18 j 04:14 | 0° \mathbb{M} 37'29 | | desc. node | -12513 Sep 12 j 05:23 | 14° \mathbb{G} 37'36 | |
| greatest brilliancy | -12515 Feb 28 j 18:54 | 2° \mathbb{M} 37'22 | -4.7m | | -12513 Sep 24 j 16:58 | 0° Ω | |
| desc. node | -12515 Mar 27 j 19:32 | 20° \mathbb{M} 12'51 | | | -12513 Oct 19 j 06:13 | 0° \mathbb{M} | |
| | -12515 Apr 07 j 12:16 | 0° \mathbb{J} | | | -12513 Nov 13 j 03:36 | 0° Ω | |
| morning max el | -12515 Apr 08 j 18:05 | 1° \mathbb{J} 12'06 | 46°21'32 | | -12513 Dec 08 j 15:31 | 0° \mathbb{M} | |
| | -12515 May 06 j 01:38 | 0° \mathbb{Z} | | asc. node | -12512 Jan 01 j 09:44 | 26° \mathbb{M} 46'10 | |
| | -12515 May 31 j 22:41 | 0° \approx | | | -12512 Jan 04 j 09:05 | 0° \mathbb{J} | |
| | -12515 Jun 25 j 15:43 | 0° \mathbb{K} | | evening max el | -12512 Jan 30 j 01:57 | 26° \mathbb{J} 13'32 | 45°03'08 |
| asc. node | -12515 Jul 16 j 17:46 | 26° \mathbb{K} 10'19 | | | -12512 Feb 03 j 03:37 | 0° \mathbb{Z} | |
| | -12515 Jul 19 j 19:17 | 0° Υ | | greatest brilliancy | -12512 Mar 08 j 11:30 | 23° \mathbb{Z} 20'32 | -4.7m |
| | -12515 Aug 12 j 17:49 | 0° \mathbb{B} | | retrograde | -12512 Mar 18 j 08:04 | 25° \mathbb{Z} 02'24 | |
| | -12515 Sep 05 j 16:57 | 0° \mathbb{H} | | evening set | -12512 Apr 02 j 15:31 | 20° \mathbb{Z} 43'30 | |
| | -12515 Sep 29 j 20:00 | 0° \mathbb{G} | | inferior conj | -12512 Apr 08 j 09:05 | 17° \mathbb{Z} 27'07 | 3°39'35 |
| morning set | -12515 Oct 13 j 12:49 | 16° \mathbb{G} 55'29 | | minimum elong | -12512 Apr 08 j 16:35 | 17° \mathbb{Z} 15'57 | 3°36'51 |
| | -12515 Oct 24 j 03:42 | 0° Ω | | min. Earth dist. | -12512 Apr 09 j 11:57 | 16° \mathbb{Z} 47'11 | 0.27431 AU |
| desc. node | -12515 Nov 07 j 04:32 | 17° Ω 13'43 | | morning rise | -12512 Apr 14 j 16:41 | 13° \mathbb{Z} 50'17 | |
| | -12515 Nov 17 j 14:35 | 0° \mathbb{M} | | desc. node | -12512 Apr 24 j 06:40 | 10° \mathbb{Z} 10'48 | |
| | | | | direct | -12512 Apr 29 j 16:46 | 9° \mathbb{Z} 36'15 | |
| superior conj | -12515 Nov 23 j 03:28 | 6° \mathbb{M} 47'05 | -0°34'37 | greatest brilliancy | -12512 May 11 j 11:13 | 12° \mathbb{Z} 06'36 | -4.9m |
| minimum elong | -12515 Nov 22 j 20:25 | 6° \mathbb{M} 25'29 | 0°34'00 | | -12512 Jun 06 j 10:10 | 0° \approx | |
| max. Earth dist. | -12515 Nov 23 j 10:01 | 7° \mathbb{M} 07'07 | 1.73626 AU | morning max el | -12512 Jun 19 j 03:59 | 12° \approx 13'08 | 46°39'26 |
| | -12515 Dec 12 j 02:14 | 0° Ω | | | -12512 Jul 05 j 20:55 | 0° \mathbb{K} | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|--|--|-----------------------|-----------|------------|--|--|
| | -12512 Jul 31 j 21:40 | 0°♄ | | | | | -12509 Feb 09 j 22:30 | 0°♄ | | | |
| asc. node | -12512 Aug 13 j 07:24 | 14°♄50'46 | | | | | -12509 Mar 08 j 05:12 | 0°♄ | | | |
| | -12512 Aug 25 j 19:26 | 0°♄ | | | | | -12509 Apr 05 j 03:10 | 0°♄ | | | |
| | -12512 Sep 19 j 08:22 | 0°♄ | | evening max el | | | -12509 Apr 13 j 13:56 | 8°♄26'15 | 46°43'11 | | |
| | -12512 Oct 13 j 20:54 | 0°♄ | | | | | -12509 May 08 j 14:46 | 0°♄ | | | |
| | -12512 Nov 07 j 12:03 | 0°♄ | | desc. node | | | -12509 May 22 j 17:07 | 7°♄54'58 | | | |
| desc. node | -12512 Dec 02 j 05:03 | 0°♄ | | greatest brilliancy | | | -12509 May 24 j 06:05 | 8°♄28'45 | -4.9m | | |
| morning set | -12512 Dec 04 j 18:35 | 3°♄06'46 | | retrograde | | | -12509 Jun 02 j 19:56 | 10°♄11'05 | | | |
| | -12512 Dec 24 j 22:54 | 27°♄39'12 | | evening set | | | -12509 Jun 18 j 13:51 | 5°♄27'24 | | | |
| | -12512 Dec 26 j 21:07 | 0°♄ | | min. Earth dist. | | | -12509 Jun 22 j 21:09 | 2°♄57'39 | 0.26359 AU | | |
| | -12511 Jan 20 j 09:46 | 0°♄ | | inferior conj | | | -12509 Jun 23 j 14:12 | 2°♄32'07 | -6°54'42 | | |
| max. Earth dist. | -12511 Jan 26 j 03:49 | 7°♄03'55 | 1.73605 AU | minimum elong | | | -12509 Jun 23 j 04:15 | 2°♄47'02 | 6°52'47 | | |
| | | | | morning rise | | | -12509 Jun 27 j 18:41 | 0°♄04'44 | | | |
| superior conj | -12511 Jan 30 j 06:10 | 12°♄06'27 | -1°20'16 | | | | -12509 Jun 27 j 22:03 | 30°♄ | | | |
| minimum elong | -12511 Jan 30 j 06:17 | 12°♄06'49 | 1°20'47 | direct | | | -12509 Jul 13 j 18:35 | 25°♄05'57 | | | |
| | -12511 Feb 13 j 18:17 | 0°♄ | | greatest brilliancy | | | -12509 Jul 24 j 01:21 | 27°♄05'50 | -4.9m | | |
| evening rise | -12511 Mar 06 j 02:56 | 25°♄12'11 | | | | | -12509 Jul 30 j 07:35 | 0°♄ | | | |
| | -12511 Mar 09 j 23:46 | 0°♄ | | morning max el | | | -12509 Sep 02 j 04:33 | 28°♄14'22 | 46°30'03 | | |
| asc. node | -12511 Mar 25 j 15:45 | 19°♄26'16 | | | | | -12509 Sep 03 j 21:52 | 0°♄ | | | |
| | -12511 Apr 03 j 04:04 | 0°♄ | | asc. node | | | -12509 Sep 10 j 20:07 | 7°♄15'44 | | | |
| | -12511 Apr 27 j 08:50 | 0°♄ | | | | | -12509 Oct 01 j 10:10 | 0°♄ | | | |
| | -12511 May 21 j 15:32 | 0°♄ | | | | | -12509 Oct 27 j 09:43 | 0°♄ | | | |
| | -12511 Jun 15 j 02:26 | 0°♄ | | | | | -12509 Nov 21 j 22:10 | 0°♄ | | | |
| desc. node | -12511 Jul 09 j 21:38 | 0°♄ | | desc. node | | | -12509 Dec 17 j 05:57 | 0°♄ | | | |
| | -12511 Jul 17 j 10:12 | 8°♄58'11 | | | | | -12508 Jan 02 j 08:41 | 19°♄12'41 | | | |
| | -12511 Aug 04 j 09:22 | 0°♄ | | | | | -12508 Jan 11 j 08:41 | 0°♄ | | | |
| | -12511 Aug 31 j 10:37 | 0°♄ | | | | | -12508 Feb 05 j 04:21 | 0°♄ | | | |
| evening max el | -12511 Sep 06 j 15:41 | 6°♄25'22 | 46°43'59 | | | | -12508 Feb 29 j 16:01 | 0°♄ | | | |
| | -12511 Oct 03 j 06:35 | 0°♄ | | morning set | | | -12508 Mar 02 j 01:13 | 1°♄42'24 | | | |
| greatest brilliancy | -12511 Oct 16 j 00:44 | 7°♄12'57 | -4.8m | | | | -12508 Mar 24 j 20:42 | 0°♄ | | | |
| retrograde | -12511 Oct 27 j 01:16 | 9°♄31'14 | | max. Earth dist. | | | -12508 Apr 01 j 21:43 | 10°♄01'56 | 1.72144 AU | | |
| asc. node | -12511 Nov 05 j 16:09 | 7°♄35'27 | | | | | | | | | |
| evening set | -12511 Nov 11 j 00:58 | 4°♄57'43 | | superior conj | | | -12508 Apr 06 j 02:11 | 15°♄15'53 | -0°35'58 | | |
| inferior conj | -12511 Nov 17 j 06:00 | 1°♄05'22 | 2°37'17 | minimum elong | | | -12508 Apr 06 j 08:32 | 15°♄35'43 | 0°36'27 | | |
| minimum elong | -12511 Nov 17 j 00:52 | 1°♄13'42 | 2°36'16 | | | | -12508 Apr 17 j 20:37 | 0°♄ | | | |
| min. Earth dist. | -12511 Nov 16 j 20:05 | 1°♄21'30 | 0.28939 AU | asc. node | | | -12508 Apr 22 j 04:25 | 5°♄25'25 | | | |
| | -12511 Nov 18 j 22:21 | 30°♄ | | | | | -12508 May 11 j 18:07 | 0°♄ | | | |
| morning rise | -12511 Nov 23 j 01:21 | 27°♄27'36 | | evening rise | | | -12508 May 12 j 12:45 | 0°♄58'33 | | | |
| direct | -12511 Dec 08 j 16:13 | 22°♄40'01 | | | | | -12508 Jun 04 j 15:19 | 0°♄ | | | |
| greatest brilliancy | -12511 Dec 17 j 16:59 | 24°♄09'38 | -4.7m | | | | -12508 Jun 28 j 14:12 | 0°♄ | | | |
| | -12511 Dec 29 j 20:56 | 0°♄ | | | | | -12508 Jul 22 j 16:57 | 0°♄ | | | |
| morning max el | -12510 Jan 26 j 09:17 | 22°♄13'39 | 46°02'09 | desc. node | | | -12508 Aug 13 j 20:25 | 27°♄16'10 | | | |
| | -12510 Feb 03 j 09:34 | 0°♄ | | | | | -12508 Aug 16 j 02:00 | 0°♄ | | | |
| desc. node | -12510 Feb 27 j 09:38 | 25°♄09'58 | | | | | -12508 Sep 09 j 20:37 | 0°♄ | | | |
| | -12510 Mar 03 j 18:58 | 0°♄ | | | | | -12508 Oct 05 j 07:17 | 0°♄ | | | |
| | -12510 Mar 30 j 01:34 | 0°♄ | | | | | -12508 Nov 01 j 03:52 | 0°♄ | | | |
| | -12510 Apr 24 j 04:20 | 0°♄ | | evening max el | | | -12508 Nov 16 j 02:35 | 15°♄19'04 | 45°05'48 | | |
| | -12510 May 18 j 13:41 | 0°♄ | | | | | -12508 Dec 02 j 10:26 | 0°♄ | | | |
| | -12510 Jun 11 j 12:35 | 0°♄ | | asc. node | | | -12508 Dec 03 j 02:24 | 0°♄32'04 | | | |
| asc. node | -12510 Jun 18 j 05:48 | 8°♄28'12 | | greatest brilliancy | | | -12508 Dec 23 j 08:02 | 12°♄58'35 | -4.7m | | |
| | -12510 Jul 05 j 06:25 | 0°♄ | | retrograde | | | -12507 Jan 03 j 10:53 | 15°♄11'57 | | | |
| morning set | -12510 Jul 24 j 22:15 | 24°♄52'26 | | evening set | | | -12507 Jan 20 j 20:51 | 9°♄28'04 | | | |
| | -12510 Jul 28 j 23:35 | 0°♄ | | inferior conj | | | -12507 Jan 24 j 20:31 | 7°♄01'04 | 8°04'07 | | |
| | -12510 Aug 21 j 19:25 | 0°♄ | | minimum elong | | | -12507 Jan 24 j 18:11 | 7°♄04'43 | 8°03'35 | | |
| | | | | min. Earth dist. | | | -12507 Jan 25 j 12:50 | 6°♄35'30 | 0.29457 AU | | |
| superior conj | -12510 Sep 05 j 08:53 | 18°♄13'18 | 1°06'51 | morning rise | | | -12507 Jan 28 j 15:22 | 4°♄40'31 | | | |
| minimum elong | -12510 Sep 05 j 20:19 | 18°♄48'59 | 1°07'18 | direct | | | -12507 Feb 07 j 04:09 | 30°♄ | | | |
| max. Earth dist. | -12510 Sep 12 j 22:07 | 27°♄37'52 | 1.71861 AU | | | | -12507 Feb 15 j 21:37 | 28°♄30'05 | | | |
| | -12510 Sep 14 j 19:49 | 0°♄ | | | | | -12507 Feb 25 j 00:21 | 0°♄ | | | |
| | -12510 Oct 09 j 01:04 | 0°♄ | | greatest brilliancy | | | -12507 Feb 26 j 09:20 | 0°♄27'45 | -4.7m | | |
| desc. node | -12510 Oct 09 j 17:33 | 0°♄50'50 | | desc. node | | | -12507 Mar 26 j 21:43 | 19°♄16'43 | | | |
| evening rise | -12510 Oct 18 j 06:47 | 11°♄23'09 | | morning max el | | | -12507 Apr 06 j 11:09 | 29°♄03'24 | 46°20'38 | | |
| | -12510 Nov 02 j 10:12 | 0°♄ | | | | | -12507 Apr 07 j 10:24 | 0°♄ | | | |
| | -12510 Nov 26 j 22:14 | 0°♄ | | | | | -12507 May 05 j 17:26 | 0°♄ | | | |
| | -12510 Dec 21 j 13:50 | 0°♄ | | | | | -12507 May 31 j 12:18 | 0°♄ | | | |
| | -12509 Jan 15 j 12:08 | 0°♄ | | | | | -12507 Jun 25 j 04:20 | 0°♄ | | | |
| asc. node | -12509 Jan 28 j 19:43 | 15°♄48'21 | | asc. node | | | -12507 Jul 15 j 19:52 | 25°♄38'59 | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12507 Jul 19 j 07:21 | 0°♄ | | greatest brilliancy | -12504 Mar 06 j 00:51 | 21°♄03'05 | -4.7m |
| | -12507 Aug 12 j 05:32 | 0°♄ | | retrograde | -12504 Mar 15 j 20:19 | 22°♄44'28 | |
| | -12507 Sep 05 j 04:25 | 0°♄ | | evening set | -12504 Mar 31 j 07:09 | 18°♄22'01 | |
| | -12507 Sep 29 j 07:16 | 0°♄ | | inferior conj | -12504 Apr 05 j 22:30 | 15°♄08'31 | 3°58'32 |
| morning set | -12507 Oct 11 j 00:07 | 14°♄27'52 | | minimum elong | -12504 Apr 06 j 06:28 | 14°♄56'39 | 3°55'43 |
| | -12507 Oct 23 j 14:48 | 0°♄ | | min. Earth dist. | -12504 Apr 07 j 02:50 | 14°♄26'20 | 0.27508 AU |
| desc. node | -12507 Nov 06 j 06:48 | 16°♄46'54 | | morning rise | -12504 Apr 12 j 04:42 | 11°♄32'49 | |
| | -12507 Nov 17 j 01:34 | 0°♄ | | desc. node | -12504 Apr 23 j 09:00 | 7°♄33'44 | |
| | | | | direct | -12504 Apr 27 j 06:39 | 7°♄15'53 | |
| superior conj | -12507 Nov 20 j 18:09 | 4°♄31'28 | -0°31'37 | greatest brilliancy | -12504 May 09 j 02:17 | 9°♄46'37 | -4.8m |
| minimum elong | -12507 Nov 20 j 11:33 | 4°♄11'15 | 0°30'58 | | -12504 Jun 06 j 14:59 | 0°♄ | |
| max. Earth dist. | -12507 Nov 21 j 07:29 | 5°♄12'18 | 1.73597 AU | morning max el | -12504 Jun 16 j 16:51 | 9°♄46'37 | 46°39'20 |
| | -12507 Dec 11 j 13:08 | 0°♄ | | | -12504 Jul 05 j 14:49 | 0°♄ | |
| evening rise | -12507 Dec 28 j 04:34 | 20°♄24'49 | | | -12504 Jul 31 j 12:22 | 0°♄ | |
| | -12506 Jan 05 j 00:05 | 0°♄ | | asc. node | -12504 Aug 12 j 09:36 | 14°♄15'28 | |
| greatest brilliancy | -12506 Jan 17 j 01:40 | 14°♄48'32 | -3.9m | | -12504 Aug 25 j 08:42 | 0°♄ | |
| | -12506 Jan 29 j 10:54 | 0°♄ | | | -12504 Sep 18 j 20:51 | 0°♄ | |
| | -12506 Feb 22 j 23:38 | 0°♄ | | | -12504 Oct 13 j 08:51 | 0°♄ | |
| asc. node | -12506 Feb 25 j 06:27 | 2°♄47'01 | | | -12504 Nov 06 j 23:36 | 0°♄ | |
| | -12506 Mar 19 j 16:38 | 0°♄ | | | -12504 Dec 01 j 16:17 | 0°♄ | |
| | -12506 Apr 13 j 16:02 | 0°♄ | | desc. node | -12504 Dec 03 j 20:42 | 2°♄39'11 | |
| | -12506 May 09 j 01:31 | 0°♄ | | morning set | -12504 Dec 22 j 15:42 | 25°♄30'37 | |
| | -12506 Jun 04 j 07:27 | 0°♄ | | | -12504 Dec 26 j 08:07 | 0°♄ | |
| desc. node | -12506 Jun 19 j 02:44 | 16°♄03'42 | | | -12503 Jan 19 j 20:39 | 0°♄ | |
| evening max el | -12506 Jun 25 j 14:12 | 22°♄46'11 | 47°55'51 | max. Earth dist. | -12503 Jan 23 j 23:41 | 5°♄04'06 | 1.73637 AU |
| | -12506 Jul 02 j 21:22 | 0°♄ | | | | | |
| greatest brilliancy | -12506 Aug 06 j 05:54 | 25°♄00'12 | -4.9m | superior conj | -12503 Jan 28 j 01:48 | 10°♄05'44 | -1°20'16 |
| retrograde | -12506 Aug 15 j 21:01 | 26°♄48'14 | | minimum elong | -12503 Jan 28 j 01:22 | 10°♄04'23 | 1°20'45 |
| evening set | -12506 Sep 01 j 13:33 | 21°♄10'03 | | | -12503 Feb 13 j 05:12 | 0°♄ | |
| min. Earth dist. | -12506 Sep 05 j 02:49 | 18°♄56'25 | 0.27399 AU | evening rise | -12503 Mar 03 j 22:47 | 23°♄10'51 | |
| inferior conj | -12506 Sep 05 j 16:36 | 18°♄34'27 | -6°51'37 | | -12503 Mar 09 j 10:50 | 0°♄ | |
| minimum elong | -12506 Sep 06 j 01:55 | 18°♄19'36 | 6°49'07 | asc. node | -12503 Mar 24 j 18:05 | 18°♄58'45 | |
| morning rise | -12506 Sep 10 j 14:47 | 15°♄32'15 | | | -12503 Apr 02 j 15:22 | 0°♄ | |
| direct | -12506 Sep 26 j 02:35 | 10°♄40'24 | | | -12503 Apr 26 j 20:29 | 0°♄ | |
| greatest brilliancy | -12506 Oct 05 j 09:16 | 12°♄20'22 | -4.8m | | -12503 May 21 j 03:39 | 0°♄ | |
| asc. node | -12506 Oct 08 j 07:40 | 13°♄28'52 | | | -12503 Jun 14 j 15:09 | 0°♄ | |
| | -12506 Nov 01 j 09:32 | 0°♄ | | | -12503 Jul 09 j 11:17 | 0°♄ | |
| morning max el | -12506 Nov 14 j 13:13 | 12°♄11'51 | 46°07'29 | desc. node | -12503 Jul 16 j 12:23 | 8°♄23'05 | |
| | -12506 Dec 02 j 00:01 | 0°♄ | | | -12503 Aug 04 j 00:46 | 0°♄ | |
| | -12506 Dec 29 j 11:14 | 0°♄ | | | -12503 Aug 31 j 06:25 | 0°♄ | |
| | -12505 Jan 24 j 18:37 | 0°♄ | | evening max el | -12503 Sep 04 j 06:29 | 4°♄06'56 | 46°47'46 |
| desc. node | -12505 Jan 29 j 22:32 | 5°♄59'56 | | | -12503 Oct 04 j 05:29 | 0°♄ | |
| | -12505 Feb 19 j 07:40 | 0°♄ | | greatest brilliancy | -12503 Oct 13 j 19:37 | 5°♄04'05 | -4.8m |
| | -12505 Mar 16 j 05:31 | 0°♄ | | retrograde | -12503 Oct 24 j 18:30 | 7°♄21'29 | |
| | -12505 Apr 09 j 15:02 | 0°♄ | | asc. node | -12503 Nov 04 j 18:34 | 4°♄50'23 | |
| | -12505 May 03 j 15:41 | 0°♄ | | evening set | -12503 Nov 08 j 17:55 | 2°♄48'17 | |
| morning set | -12505 May 09 j 06:34 | 7°♄03'53 | | | -12503 Nov 13 j 07:37 | 30°♄ | |
| asc. node | -12505 May 20 j 17:56 | 21°♄31'23 | | inferior conj | -12503 Nov 14 j 23:22 | 28°♄55'36 | 2°19'25 |
| | -12505 May 27 j 11:01 | 0°♄ | | minimum elong | -12503 Nov 14 j 18:46 | 29°♄03'04 | 2°18'33 |
| | | | | min. Earth dist. | -12503 Nov 14 j 13:30 | 29°♄11'37 | 0.28892 AU |
| superior conj | -12505 Jun 16 j 13:24 | 25°♄25'21 | 0°56'45 | morning rise | -12503 Nov 20 j 20:08 | 25°♄15'41 | |
| minimum elong | -12505 Jun 16 j 03:16 | 24°♄53'17 | 0°56'19 | direct | -12503 Dec 06 j 08:08 | 20°♄30'47 | |
| max. Earth dist. | -12505 Jun 17 j 12:53 | 26°♄39'36 | 1.70738 AU | greatest brilliancy | -12503 Dec 15 j 09:56 | 22°♄01'09 | -4.7m |
| | -12505 Jun 20 j 04:15 | 0°♄ | | | -12503 Dec 30 j 20:45 | 0°♄ | |
| | -12505 Jul 13 j 22:13 | 0°♄ | | morning max el | -12502 Jan 24 j 01:18 | 20°♄04'38 | 46°01'55 |
| evening rise | -12505 Jul 27 j 16:32 | 17°♄19'00 | | | -12502 Feb 03 j 05:13 | 0°♄ | |
| | -12505 Aug 06 j 19:18 | 0°♄ | | desc. node | -12502 Feb 26 j 11:51 | 24°♄33'43 | |
| | -12505 Aug 30 j 21:10 | 0°♄ | | | -12502 Mar 03 j 09:55 | 0°♄ | |
| desc. node | -12505 Sep 11 j 07:37 | 14°♄09'06 | | | -12502 Mar 29 j 14:41 | 0°♄ | |
| | -12505 Sep 24 j 04:32 | 0°♄ | | | -12502 Apr 23 j 16:34 | 0°♄ | |
| | -12505 Oct 18 j 18:03 | 0°♄ | | | -12502 May 18 j 01:28 | 0°♄ | |
| | -12505 Nov 12 j 16:01 | 0°♄ | | greatest brilliancy | -12502 Jun 01 j 03:33 | 17°♄36'20 | -3.9m |
| | -12505 Dec 08 j 05:12 | 0°♄ | | | -12502 Jun 11 j 00:07 | 0°♄ | |
| asc. node | -12505 Dec 31 j 11:58 | 26°♄08'14 | | asc. node | -12502 Jun 17 j 07:52 | 7°♄58'26 | |
| | -12504 Jan 04 j 01:44 | 0°♄ | | | -12502 Jul 04 j 17:51 | 0°♄ | |
| evening max el | -12504 Jan 27 j 15:34 | 23°♄56'45 | 45°01'03 | morning set | -12502 Jul 22 j 08:05 | 22°♄15'50 | |
| | -12504 Feb 03 j 06:00 | 0°♄ | | | -12502 Jul 28 j 10:57 | 0°♄ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12502 Aug 21 j 06:43 | 0°♊ | | minimum elong | -12499 Jan 22 j 10:39 | 4°♌58'37 | 8°00'55 |
| | | | | min. Earth dist. | -12499 Jan 23 j 04:21 | 4°♌30'49 | 0.29483 AU |
| superior conj | -12502 Sep 02 j 17:28 | 15°♊35'08 | 1°09'07 | morning rise | -12499 Jan 26 j 08:41 | 2°♌32'47 | |
| minimum elong | -12502 Sep 03 j 04:34 | 16°♊09'47 | 1°09'35 | | -12499 Jan 30 j 21:56 | 30°♌♎ | |
| max. Earth dist. | -12502 Sep 10 j 05:55 | 24°♊57'45 | 1.71788 AU | direct | -12499 Feb 13 j 15:18 | 26°♎22'37 | |
| | -12502 Sep 14 j 07:04 | 0°♎ | | greatest brilliancy | -12499 Feb 23 j 23:53 | 28°♎17'43 | -4.7m |
| desc. node | -12502 Oct 08 j 19:51 | 0°♎23'18 | | | -12499 Feb 28 j 03:22 | 0°♌ | |
| | -12502 Oct 08 j 12:18 | 0°♎ | | desc. node | -12499 Mar 26 j 00:00 | 18°♌21'09 | |
| evening rise | -12502 Oct 15 j 18:13 | 8°♎55'58 | | morning max el | -12499 Apr 04 j 03:39 | 26°♌52'39 | 46°19'41 |
| | -12502 Nov 01 j 21:27 | 0°♏ | | | -12499 Apr 07 j 08:04 | 0°♏ | |
| | -12502 Nov 26 j 09:38 | 0°♎ | | | -12499 May 05 j 09:17 | 0°♏ | |
| | -12502 Dec 21 j 01:33 | 0°♌ | | | -12499 May 31 j 02:05 | 0°♏ | |
| | -12501 Jan 15 j 00:30 | 0°♏ | | | -12499 Jun 24 j 17:09 | 0°♏ | |
| asc. node | -12501 Jan 27 j 22:01 | 15°♏17'03 | | asc. node | -12499 Jul 14 j 22:02 | 25°♏07'12 | |
| | -12501 Feb 09 j 12:06 | 0°♏ | | | -12499 Jul 18 j 19:38 | 0°♏ | |
| | -12501 Mar 07 j 21:14 | 0°♏ | | | -12499 Aug 11 j 17:29 | 0°♏ | |
| | -12501 Apr 05 j 00:57 | 0°♏ | | | -12499 Sep 04 j 16:08 | 0°♊ | |
| evening max el | -12501 Apr 11 j 02:45 | 6°♏01'02 | 46°39'11 | | -12499 Sep 28 j 18:47 | 0°♎ | |
| | -12501 May 09 j 20:07 | 0°♏ | | morning set | -12499 Oct 08 j 11:29 | 11°♎59'31 | |
| greatest brilliancy | -12501 May 21 j 16:46 | 5°♏55'58 | -4.9m | | -12499 Oct 23 j 02:10 | 0°♎ | |
| desc. node | -12501 May 21 j 19:20 | 5°♏58'08 | | desc. node | -12499 Nov 05 j 08:56 | 16°♎18'57 | |
| retrograde | -12501 May 31 j 07:52 | 7°♏39'12 | | | -12499 Nov 16 j 12:46 | 0°♏ | |
| evening set | -12501 Jun 15 j 21:29 | 3°♏00'59 | | | | | |
| min. Earth dist. | -12501 Jun 20 j 09:23 | 0°♏25'21 | 0.26348 AU | superior conj | -12499 Nov 18 j 08:54 | 2°♏15'16 | -0°28'32 |
| inferior conj | -12501 Jun 21 j 01:42 | 0°♏01'01 | -6°39'13 | minimum elong | -12499 Nov 18 j 02:48 | 1°♏56'35 | 0°27'54 |
| minimum elong | -12501 Jun 20 j 15:33 | 0°♏16'09 | 6°37'11 | max. Earth dist. | -12499 Nov 19 j 06:27 | 3°♏21'18 | 1.73560 AU |
| | -12501 Jun 21 j 02:22 | 30°♏♏ | | | -12499 Dec 11 j 00:15 | 0°♎ | |
| morning rise | -12501 Jun 25 j 09:39 | 27°♏29'20 | | evening rise | -12499 Dec 25 j 23:27 | 18°♎21'24 | |
| direct | -12501 Jul 11 j 06:43 | 22°♏34'55 | | | -12498 Jan 04 j 11:14 | 0°♌ | |
| greatest brilliancy | -12501 Jul 21 j 14:44 | 24°♏36'22 | -4.9m | greatest brilliancy | -12498 Jan 16 j 08:32 | 14°♌35'05 | -3.9m |
| | -12501 Aug 01 j 00:25 | 0°♏ | | | -12498 Jan 28 j 22:16 | 0°♏ | |
| morning max el | -12501 Aug 30 j 18:14 | 25°♏47'58 | 46°31'01 | | -12498 Feb 22 j 11:25 | 0°♏ | |
| | -12501 Sep 03 j 20:02 | 0°♏ | | asc. node | -12498 Feb 24 j 08:47 | 2°♏18'06 | |
| asc. node | -12501 Sep 09 j 22:23 | 6°♏27'45 | | | -12498 Mar 19 j 05:05 | 0°♏ | |
| | -12501 Oct 01 j 02:29 | 0°♊ | | | -12498 Apr 13 j 05:29 | 0°♏ | |
| | -12501 Oct 26 j 23:42 | 0°♎ | | | -12498 May 08 j 16:33 | 0°♏ | |
| | -12501 Nov 21 j 10:56 | 0°♎ | | | -12498 Jun 04 j 01:31 | 0°♏ | |
| | -12501 Dec 16 j 17:59 | 0°♏ | | desc. node | -12498 Jun 18 j 04:56 | 15°♏13'36 | |
| desc. node | -12500 Jan 01 j 10:44 | 18°♏43'48 | | evening max el | -12498 Jun 23 j 06:00 | 20°♏25'37 | 47°55'35 |
| | -12500 Jan 10 j 20:15 | 0°♎ | | | -12498 Jul 03 j 00:26 | 0°♊ | |
| | -12500 Feb 04 j 15:36 | 0°♌ | | greatest brilliancy | -12498 Aug 03 j 21:20 | 22°♊36'05 | -4.9m |
| morning set | -12500 Feb 28 j 20:49 | 29°♌40'37 | | retrograde | -12498 Aug 13 j 11:40 | 24°♊22'53 | |
| | -12500 Feb 29 j 03:06 | 0°♏ | | evening set | -12498 Aug 30 j 06:59 | 18°♊41'18 | |
| | -12500 Mar 24 j 07:45 | 0°♏ | | min. Earth dist. | -12498 Sep 02 j 16:54 | 16°♊32'44 | 0.27351 AU |
| max. Earth dist. | -12500 Mar 30 j 15:33 | 7°♏53'13 | 1.72204 AU | inferior conj | -12498 Sep 03 j 07:01 | 16°♊10'13 | -7°05'12 |
| | | | | minimum elong | -12498 Sep 03 j 16:10 | 15°♊55'38 | 7°02'48 |
| superior conj | -12500 Apr 03 j 20:51 | 13°♏09'30 | -0°38'39 | morning rise | -12498 Sep 08 j 01:51 | 13°♊12'54 | |
| minimum elong | -12500 Apr 04 j 03:30 | 13°♏30'17 | 0°39'08 | direct | -12498 Sep 23 j 16:41 | 8°♊17'38 | |
| | -12500 Apr 17 j 07:45 | 0°♏ | | greatest brilliancy | -12498 Oct 02 j 23:18 | 9°♊57'26 | -4.8m |
| asc. node | -12500 Apr 21 j 06:43 | 4°♏57'39 | | asc. node | -12498 Oct 07 j 10:01 | 11°♊47'19 | |
| evening rise | -12500 May 10 j 04:49 | 28°♏42'41 | | | -12498 Nov 01 j 15:21 | 0°♎ | |
| | -12500 May 11 j 05:26 | 0°♏ | | morning max el | -12498 Nov 12 j 03:38 | 9°♎53'10 | 46°08'09 |
| | -12500 Jun 04 j 02:52 | 0°♏ | | | -12498 Dec 01 j 18:05 | 0°♎ | |
| | -12500 Jun 28 j 02:00 | 0°♏ | | | -12498 Dec 29 j 01:48 | 0°♏ | |
| | -12500 Jul 22 j 05:02 | 0°♊ | | | -12497 Jan 24 j 07:33 | 0°♎ | |
| desc. node | -12500 Aug 12 j 22:46 | 26°♊45'20 | | desc. node | -12497 Jan 29 j 00:48 | 5°♎29'25 | |
| | -12500 Aug 15 j 14:28 | 0°♎ | | | -12497 Feb 18 j 19:43 | 0°♌ | |
| | -12500 Sep 09 j 09:44 | 0°♎ | | | -12497 Mar 15 j 17:06 | 0°♏ | |
| | -12500 Oct 04 j 21:44 | 0°♏ | | | -12497 Apr 09 j 02:25 | 0°♏ | |
| | -12500 Oct 31 j 21:45 | 0°♎ | | | -12497 May 03 j 03:00 | 0°♏ | |
| evening max el | -12500 Nov 13 j 19:34 | 13°♎10'15 | 45°07'58 | morning set | -12497 May 06 j 23:09 | 4°♏49'29 | |
| asc. node | -12500 Dec 02 j 04:33 | 29°♎29'50 | | asc. node | -12497 May 19 j 20:01 | 21°♏02'18 | |
| | -12500 Dec 02 j 20:07 | 0°♌ | | | -12497 May 26 j 22:22 | 0°♏ | |
| greatest brilliancy | -12500 Dec 21 j 00:05 | 10°♌51'32 | -4.7m | | | | |
| retrograde | -12499 Jan 01 j 04:04 | 13°♌05'49 | | superior conj | -12497 Jun 14 j 02:03 | 22°♏57'34 | 0°54'02 |
| evening set | -12499 Jan 18 j 12:30 | 7°♌23'38 | | minimum elong | -12497 Jun 13 j 16:07 | 22°♏26'12 | 0°53'34 |
| inferior conj | -12499 Jan 22 j 13:37 | 4°♌53'58 | 8°01'28 | max. Earth dist. | -12497 Jun 14 j 14:00 | 23°♏35'24 | 1.70756 AU |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|------------------------------|------------|---------------------|--|-----------------------|-------------------------------------|------------|--|
| | -12497 Jun 19 j 15:39 | 0° Υ | | | | -12495 Dec 31 j 14:47 | 0° \mathbb{M} | | |
| | -12497 Jul 13 j 09:41 | 0° \mathcal{B} | | morning max el | | -12494 Jan 21 j 18:07 | 17° \mathbb{M} 57'02 | 46°01'49 | |
| evening rise | -12497 Jul 25 j 00:27 | 14° \mathcal{B} 36'53 | | | | -12494 Feb 03 j 00:30 | 0° $\underline{\mathcal{A}}$ | | |
| | -12497 Aug 06 j 06:53 | 0° \mathbb{I} | | desc. node | | -12494 Feb 25 j 14:01 | 23° $\underline{\mathcal{A}}$ 57'21 | | |
| | -12497 Aug 30 j 08:52 | 0° \mathcal{E} | | | | -12494 Mar 03 j 00:46 | 0° \mathbb{M} | | |
| desc. node | -12497 Sep 10 j 09:53 | 13° \mathcal{E} 39'48 | | | | -12494 Mar 29 j 03:45 | 0° \mathcal{X} | | |
| | -12497 Sep 23 j 16:24 | 0° Ω | | | | -12494 Apr 23 j 04:45 | 0° \mathcal{Z} | | |
| | -12497 Oct 18 j 06:11 | 0° \mathbb{M} | | | | -12494 May 17 j 13:12 | 0° \approx | | |
| | -12497 Nov 12 j 04:44 | 0° $\underline{\mathcal{A}}$ | | greatest brilliancy | | -12494 Jun 03 j 18:25 | 21° \approx 32'39 | -3.9m | |
| | -12497 Dec 07 j 19:13 | 0° \mathbb{M} | | | | -12494 Jun 10 j 11:39 | 0° \mathcal{H} | | |
| asc. node | -12497 Dec 30 j 14:20 | 25° \mathbb{M} 29'54 | | asc. node | | -12494 Jun 16 j 10:04 | 7° \mathcal{H} 29'04 | | |
| | -12496 Jan 03 j 18:52 | 0° \mathcal{X} | | | | -12494 Jul 04 j 05:19 | 0° Υ | | |
| evening max el | -12496 Jan 25 j 04:42 | 21° \mathcal{X} 38'40 | 44°59'15 | morning set | | -12494 Jul 19 j 17:52 | 19° Υ 38'47 | | |
| | -12496 Feb 03 j 10:04 | 0° \mathcal{Z} | | | | -12494 Jul 27 j 22:24 | 0° \mathcal{B} | | |
| greatest brilliancy | -12496 Mar 03 j 13:50 | 18° \mathcal{Z} 45'36 | -4.7m | | | -12494 Aug 20 j 18:08 | 0° \mathbb{I} | | |
| retrograde | -12496 Mar 13 j 09:09 | 20° \mathcal{Z} 27'21 | | | | | | | |
| evening set | -12496 Mar 28 j 23:05 | 16° \mathcal{Z} 00'48 | | superior conj | | -12494 Aug 31 j 01:29 | 12° \mathbb{I} 54'35 | 1°11'16 | |
| inferior conj | -12496 Apr 03 j 12:12 | 12° \mathcal{Z} 50'20 | 4°16'47 | minimum elong | | -12494 Aug 31 j 12:06 | 13° \mathbb{I} 27'47 | 1°11'44 | |
| minimum elong | -12496 Apr 03 j 20:34 | 12° \mathcal{Z} 37'52 | 4°13'55 | max. Earth dist. | | -12494 Sep 07 j 12:08 | 22° \mathbb{I} 12'07 | 1.71718 AU | |
| min. Earth dist. | -12496 Apr 04 j 17:50 | 12° \mathcal{Z} 06'11 | 0.27593 AU | | | -12494 Sep 13 j 18:26 | 0° \mathcal{E} | | |
| morning rise | -12496 Apr 09 j 16:54 | 9° \mathcal{Z} 16'14 | | desc. node | | -12494 Oct 07 j 21:59 | 29° \mathcal{E} 54'51 | | |
| desc. node | -12496 Apr 22 j 11:11 | 5° \mathcal{Z} 02'27 | | | | -12494 Oct 07 j 23:39 | 0° Ω | | |
| direct | -12496 Apr 24 j 20:49 | 4° \mathcal{Z} 55'42 | | evening rise | | -12494 Oct 13 j 04:55 | 6° Ω 26'11 | | |
| greatest brilliancy | -12496 May 06 j 18:04 | 7° \mathcal{Z} 27'36 | -4.8m | | | -12494 Nov 01 j 08:50 | 0° \mathbb{M} | | |
| | -12496 Jun 06 j 18:21 | 0° \approx | | | | -12494 Nov 25 j 21:08 | 0° $\underline{\mathcal{A}}$ | | |
| morning max el | -12496 Jun 14 j 06:32 | 7° \approx 21'30 | 46°39'05 | | | -12494 Dec 20 j 13:23 | 0° \mathbb{M} | | |
| | -12496 Jul 05 j 08:37 | 0° \mathcal{H} | | | | -12493 Jan 14 j 12:59 | 0° \mathcal{X} | | |
| | -12496 Jul 31 j 03:12 | 0° Υ | | asc. node | | -12493 Jan 27 j 00:25 | 14° \mathcal{X} 45'42 | | |
| asc. node | -12496 Aug 11 j 11:55 | 13° Υ 39'50 | | | | -12493 Feb 09 j 01:51 | 0° \mathcal{Z} | | |
| | -12496 Aug 24 j 22:08 | 0° \mathcal{B} | | | | -12493 Mar 07 j 13:29 | 0° \approx | | |
| | -12496 Sep 18 j 09:30 | 0° \mathbb{I} | | | | -12493 Apr 04 j 23:23 | 0° \mathcal{H} | | |
| | -12496 Oct 12 j 20:59 | 0° \mathcal{E} | | evening max el | | -12493 Apr 08 j 16:31 | 3° \mathcal{H} 38'48 | 46°35'19 | |
| | -12496 Nov 06 j 11:20 | 0° Ω | | | | -12493 May 11 j 13:10 | 0° Υ | | |
| | -12496 Dec 01 j 03:42 | 0° \mathbb{M} | | greatest brilliancy | | -12493 May 19 j 03:03 | 3° Υ 23'53 | -4.9m | |
| desc. node | -12496 Dec 02 j 22:44 | 2° \mathbb{M} 10'42 | | desc. node | | -12493 May 20 j 21:30 | 3° Υ 57'23 | | |
| morning set | -12496 Dec 20 j 08:23 | 23° \mathbb{M} 21'00 | | retrograde | | -12493 May 28 j 20:05 | 5° Υ 08'16 | | |
| | -12496 Dec 25 j 19:19 | 0° $\underline{\mathcal{A}}$ | | evening set | | -12493 Jun 13 j 05:28 | 0° Υ 35'25 | | |
| | -12495 Jan 19 j 07:43 | 0° \mathbb{M} | | | | -12493 Jun 14 j 07:08 | 30° \mathcal{R} \mathcal{H} | | |
| max. Earth dist. | -12495 Jan 21 j 20:31 | 3° \mathbb{M} 06'42 | 1.73663 AU | min. Earth dist. | | -12493 Jun 17 j 21:29 | 27° \mathcal{H} 54'19 | 0.26342 AU | |
| | | | | inferior conj | | -12493 Jun 18 j 13:18 | 27° \mathcal{H} 30'47 | -6°22'53 | |
| superior conj | -12495 Jan 25 j 21:34 | 8° \mathbb{M} 04'59 | -1°20'09 | minimum elong | | -12493 Jun 18 j 03:04 | 27° \mathcal{H} 46'01 | 6°20'45 | |
| minimum elong | -12495 Jan 25 j 20:33 | 8° \mathbb{M} 01'52 | 1°20'37 | morning rise | | -12493 Jun 23 j 00:46 | 24° \mathcal{H} 54'45 | | |
| | -12495 Feb 12 j 16:14 | 0° \mathcal{X} | | direct | | -12493 Jul 08 j 19:27 | 20° \mathcal{H} 04'58 | | |
| evening rise | -12495 Mar 01 j 18:57 | 21° \mathcal{X} 10'16 | | greatest brilliancy | | -12493 Jul 19 j 03:46 | 22° \mathcal{H} 07'06 | -4.9m | |
| | -12495 Mar 08 j 21:59 | 0° \mathcal{Z} | | | | -12493 Aug 02 j 04:36 | 0° Υ | | |
| asc. node | -12495 Mar 23 j 20:24 | 18° \mathcal{Z} 30'55 | | morning max el | | -12493 Aug 28 j 07:59 | 23° Υ 21'48 | 46°31'33 | |
| | -12495 Apr 02 j 02:47 | 0° \approx | | | | -12493 Sep 03 j 17:23 | 0° \mathcal{B} | | |
| | -12495 Apr 26 j 08:17 | 0° \mathcal{H} | | asc. node | | -12493 Sep 09 j 00:38 | 5° \mathcal{B} 40'26 | | |
| | -12495 May 20 j 15:59 | 0° Υ | | | | -12493 Sep 30 j 18:36 | 0° \mathbb{I} | | |
| | -12495 Jun 14 j 04:10 | 0° \mathcal{B} | | | | -12493 Oct 26 j 13:40 | 0° \mathcal{E} | | |
| | -12495 Jul 09 j 01:18 | 0° \mathbb{I} | | | | -12493 Nov 20 j 23:43 | 0° Ω | | |
| desc. node | -12495 Jul 15 j 14:45 | 7° \mathbb{I} 47'28 | | | | -12493 Dec 16 j 06:00 | 0° \mathbb{M} | | |
| | -12495 Aug 03 j 16:39 | 0° \mathcal{E} | | desc. node | | -12493 Dec 31 j 13:01 | 18° \mathbb{M} 15'39 | | |
| | -12495 Aug 31 j 03:10 | 0° Ω | | | | -12492 Jan 10 j 07:46 | 0° $\underline{\mathcal{A}}$ | | |
| evening max el | -12495 Sep 01 j 21:32 | 1° Ω 48'14 | 46°51'40 | | | -12492 Feb 04 j 02:48 | 0° \mathbb{M} | | |
| | -12495 Oct 05 j 14:19 | 0° \mathbb{M} | | morning set | | -12492 Feb 26 j 16:14 | 27° \mathbb{M} 38'34 | | |
| greatest brilliancy | -12495 Oct 11 j 13:47 | 2° \mathbb{M} 53'12 | -4.8m | | | -12492 Feb 28 j 14:08 | 0° \mathcal{X} | | |
| retrograde | -12495 Oct 22 j 12:00 | 5° \mathbb{M} 10'28 | | | | -12492 Mar 23 j 18:44 | 0° \mathcal{Z} | | |
| asc. node | -12495 Nov 03 j 20:45 | 2° \mathbb{M} 00'00 | | max. Earth dist. | | -12492 Mar 28 j 07:33 | 5° \mathcal{Z} 39'06 | 1.72260 AU | |
| evening set | -12495 Nov 06 j 10:47 | 0° \mathbb{M} 37'12 | | | | | | | |
| | -12495 Nov 07 j 12:22 | 30° \mathcal{R} Ω | | superior conj | | -12492 Apr 01 j 15:40 | 11° \mathcal{Z} 03'57 | -0°41'16 | |
| inferior conj | -12495 Nov 12 j 16:30 | 26° Ω 44'24 | 2°01'08 | minimum elong | | -12492 Apr 01 j 22:35 | 11° \mathcal{Z} 25'34 | 0°41'45 | |
| minimum elong | -12495 Nov 12 j 12:27 | 26° Ω 50'57 | 2°00'27 | | | -12492 Apr 16 j 18:48 | 0° \approx | | |
| min. Earth dist. | -12495 Nov 12 j 06:28 | 27° Ω 00'40 | 0.28844 AU | asc. node | | -12492 Apr 20 j 08:50 | 4° \approx 29'37 | | |
| morning rise | -12495 Nov 18 j 14:38 | 23° Ω 02'42 | | evening rise | | -12492 May 07 j 21:13 | 26° \approx 28'23 | | |
| direct | -12495 Dec 04 j 00:01 | 18° Ω 20'07 | | | | -12492 May 10 j 16:38 | 0° \mathcal{H} | | |
| greatest brilliancy | -12495 Dec 13 j 02:26 | 19° Ω 51'14 | -4.7m | | | -12492 Jun 03 j 14:15 | 0° Υ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|--|--|-----------------------|-----------|------------|--|--|
| | -12492 Jun 27 j 13:37 | 0°♄ | | | | | -12490 Dec 28 j 15:59 | 0°♍ | | | |
| | -12492 Jul 21 j 16:57 | 0°♊ | | | | | -12489 Jan 23 j 20:13 | 0°♌ | | | |
| desc. node | -12492 Aug 12 j 01:00 | 26°♊14'33 | | desc. node | | | -12489 Jan 28 j 02:54 | 4°♌59'06 | | | |
| | -12492 Aug 15 j 02:50 | 0°♋ | | | | | -12489 Feb 18 j 07:33 | 0°♍ | | | |
| | -12492 Sep 08 j 22:51 | 0°♎ | | | | | -12489 Mar 15 j 04:28 | 0°♌ | | | |
| | -12492 Oct 04 j 12:19 | 0°♍ | | | | | -12489 Apr 08 j 13:33 | 0°♎ | | | |
| | -12492 Oct 31 j 16:04 | 0°♌ | | | | | -12489 May 02 j 14:04 | 0°♏ | | | |
| evening max el | -12492 Nov 11 j 11:51 | 10°♌59'27 | 45°10'14 | morning set | | | -12489 May 04 j 15:38 | 2°♏35'41 | | | |
| asc. node | -12492 Dec 01 j 06:55 | 28°♌26'18 | | asc. node | | | -12489 May 18 j 22:14 | 20°♏34'25 | | | |
| | -12492 Dec 03 j 09:18 | 0°♍ | | | | | -12489 May 26 j 09:26 | 0°♏ | | | |
| greatest brilliancy | -12492 Dec 18 j 16:45 | 8°♍44'48 | -4.7m | | | | | | | | |
| retrograde | -12492 Dec 29 j 20:43 | 10°♍59'13 | | superior conj | | | -12489 Jun 11 j 14:46 | 20°♏30'51 | 0°51'14 | | |
| evening set | -12491 Jan 16 j 03:50 | 5°♍19'09 | | minimum elong | | | -12489 Jun 11 j 05:07 | 20°♏00'20 | 0°50'43 | | |
| inferior conj | -12491 Jan 20 j 06:34 | 2°♍46'35 | 7°58'12 | max. Earth dist. | | | -12489 Jun 11 j 17:39 | 20°♏39'58 | 1.70778 AU | | |
| minimum elong | -12491 Jan 20 j 02:59 | 2°♍52'13 | 7°57'35 | | | | -12489 Jun 19 j 02:47 | 0°♐ | | | |
| min. Earth dist. | -12491 Jan 20 j 19:59 | 2°♍25'27 | 0.29504 AU | | | | -12489 Jul 12 j 20:54 | 0°♏ | | | |
| morning rise | -12491 Jan 24 j 02:01 | 0°♍24'22 | | evening rise | | | -12489 Jul 22 j 08:46 | 11°♏56'53 | | | |
| | -12491 Jan 24 j 18:18 | 30°♏♌ | | | | | -12489 Aug 05 j 18:11 | 0°♊ | | | |
| direct | -12491 Feb 11 j 08:29 | 24°♌14'57 | | | | | -12489 Aug 29 j 20:14 | 0°♋ | | | |
| greatest brilliancy | -12491 Feb 21 j 14:30 | 26°♌07'39 | -4.7m | desc. node | | | -12489 Sep 09 j 12:03 | 13°♋11'19 | | | |
| | -12491 Mar 01 j 23:36 | 0°♍ | | | | | -12489 Sep 23 j 03:53 | 0°♎ | | | |
| desc. node | -12491 Mar 25 j 02:10 | 17°♍26'38 | | | | | -12489 Oct 17 j 17:58 | 0°♍ | | | |
| morning max el | -12491 Apr 01 j 19:04 | 24°♍39'38 | 46°18'49 | | | | -12489 Nov 11 j 17:11 | 0°♌ | | | |
| | -12491 Apr 07 j 04:53 | 0°♌ | | | | | -12489 Dec 07 j 09:04 | 0°♍ | | | |
| | -12491 May 05 j 00:45 | 0°♎ | | asc. node | | | -12489 Dec 29 j 16:43 | 24°♍51'52 | | | |
| | -12491 May 30 j 15:34 | 0°♏ | | | | | -12488 Jan 03 j 12:07 | 0°♌ | | | |
| | -12491 Jun 24 j 05:40 | 0°♏ | | evening max el | | | -12488 Jan 22 j 18:02 | 19°♌21'43 | 44°57'32 | | |
| asc. node | -12491 Jul 14 j 00:19 | 24°♏36'44 | | | | | -12488 Feb 03 j 15:51 | 0°♎ | | | |
| | -12491 Jul 18 j 07:36 | 0°♐ | | greatest brilliancy | | | -12488 Mar 01 j 02:12 | 16°♎28'00 | -4.7m | | |
| | -12491 Aug 11 j 05:07 | 0°♏ | | retrograde | | | -12488 Mar 10 j 22:32 | 18°♎10'50 | | | |
| | -12491 Sep 04 j 03:33 | 0°♊ | | evening set | | | -12488 Mar 26 j 15:01 | 13°♎39'55 | | | |
| | -12491 Sep 28 j 06:04 | 0°♋ | | inferior conj | | | -12488 Apr 01 j 01:47 | 10°♎32'34 | 4°34'33 | | |
| morning set | -12491 Oct 05 j 22:38 | 9°♋31'04 | | minimum elong | | | -12488 Apr 01 j 10:30 | 10°♎19'35 | 4°31'40 | | |
| | -12491 Oct 22 j 13:19 | 0°♎ | | min. Earth dist. | | | -12488 Apr 02 j 08:22 | 9°♎47'02 | 0.27678 AU | | |
| desc. node | -12491 Nov 04 j 11:02 | 15°♎51'24 | | morning rise | | | -12488 Apr 07 j 04:52 | 7°♎00'35 | | | |
| | | | | desc. node | | | -12488 Apr 21 j 13:22 | 2°♎36'58 | | | |
| superior conj | -12491 Nov 15 j 23:01 | 29°♎57'37 | -0°25'22 | direct | | | -12488 Apr 22 j 11:11 | 2°♎36'00 | | | |
| minimum elong | -12491 Nov 15 j 17:30 | 29°♎40'42 | 0°24'43 | greatest brilliancy | | | -12488 May 04 j 09:26 | 5°♎08'54 | -4.8m | | |
| | -12491 Nov 15 j 23:48 | 0°♍ | | | | | -12488 Jun 06 j 19:58 | 0°♏ | | | |
| max. Earth dist. | -12491 Nov 17 j 04:09 | 1°♍26'55 | 1.73524 AU | morning max el | | | -12488 Jun 11 j 20:59 | 4°♏59'20 | 46°38'51 | | |
| | -12491 Dec 10 j 11:13 | 0°♌ | | | | | -12488 Jul 05 j 01:47 | 0°♏ | | | |
| evening rise | -12491 Dec 23 j 17:39 | 16°♌16'17 | | | | | -12488 Jul 30 j 17:35 | 0°♐ | | | |
| | -12490 Jan 03 j 22:14 | 0°♍ | | asc. node | | | -12488 Aug 10 j 14:00 | 13°♐04'40 | | | |
| greatest brilliancy | -12490 Jan 15 j 16:54 | 14°♍26'43 | -3.9m | | | | -12488 Aug 24 j 11:12 | 0°♏ | | | |
| | -12490 Jan 28 j 09:29 | 0°♌ | | | | | -12488 Sep 17 j 21:47 | 0°♊ | | | |
| | -12490 Feb 21 j 23:04 | 0°♎ | | | | | -12488 Oct 12 j 08:44 | 0°♋ | | | |
| asc. node | -12490 Feb 23 j 11:04 | 1°♎49'31 | | | | | -12488 Nov 05 j 22:40 | 0°♎ | | | |
| | -12490 Mar 18 j 17:25 | 0°♏ | | | | | -12488 Nov 30 j 14:44 | 0°♍ | | | |
| | -12490 Apr 12 j 18:50 | 0°♏ | | desc. node | | | -12488 Dec 02 j 01:01 | 1°♍44'12 | | | |
| | -12490 May 08 j 07:32 | 0°♐ | | morning set | | | -12488 Dec 18 j 01:04 | 21°♍12'27 | | | |
| | -12490 Jun 03 j 19:42 | 0°♏ | | | | | -12488 Dec 25 j 06:09 | 0°♌ | | | |
| desc. node | -12490 Jun 17 j 07:23 | 14°♏24'11 | | | | | -12487 Jan 18 j 18:29 | 0°♍ | | | |
| evening max el | -12490 Jun 20 j 20:57 | 18°♏03'41 | 47°55'17 | max. Earth dist. | | | -12487 Jan 19 j 18:43 | 1°♍14'25 | 1.73695 AU | | |
| | -12490 Jul 03 j 04:39 | 0°♊ | | | | | | | | | |
| greatest brilliancy | -12490 Aug 01 j 13:09 | 20°♊13'34 | -4.9m | superior conj | | | -12487 Jan 23 j 17:13 | 6°♍04'44 | -1°19'55 | | |
| retrograde | -12490 Aug 11 j 01:48 | 21°♊58'50 | | minimum elong | | | -12487 Jan 23 j 15:38 | 5°♍59'52 | 1°20'22 | | |
| evening set | -12490 Aug 28 j 00:23 | 16°♊13'59 | | | | | -12487 Feb 12 j 03:02 | 0°♌ | | | |
| inferior conj | -12490 Aug 31 j 21:31 | 13°♊47'26 | -7°17'54 | evening rise | | | -12487 Feb 27 j 14:56 | 19°♌09'56 | | | |
| minimum elong | -12490 Sep 01 j 06:26 | 13°♊33'14 | 7°15'39 | | | | -12487 Mar 08 j 08:56 | 0°♎ | | | |
| min. Earth dist. | -12490 Aug 31 j 07:16 | 14°♊10'10 | 0.27303 AU | asc. node | | | -12487 Mar 22 j 22:32 | 18°♎03'08 | | | |
| morning rise | -12490 Sep 05 j 12:54 | 10°♊55'07 | | | | | -12487 Apr 01 j 14:00 | 0°♏ | | | |
| direct | -12490 Sep 21 j 06:26 | 5°♊56'14 | | | | | -12487 Apr 25 j 19:54 | 0°♏ | | | |
| greatest brilliancy | -12490 Sep 30 j 13:49 | 7°♊36'25 | -4.8m | | | | -12487 May 20 j 04:07 | 0°♐ | | | |
| asc. node | -12490 Oct 06 j 12:11 | 10°♊10'38 | | | | | -12487 Jun 13 j 17:00 | 0°♏ | | | |
| | -12490 Nov 01 j 18:48 | 0°♋ | | | | | -12487 Jul 08 j 15:11 | 0°♊ | | | |
| morning max el | -12490 Nov 09 j 17:20 | 7°♋33'32 | 46°08'38 | desc. node | | | -12487 Jul 14 j 16:59 | 7°♊11'57 | | | |
| | -12490 Dec 01 j 11:25 | 0°♎ | | | | | -12487 Aug 03 j 08:30 | 0°♋ | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------------------------------|------------|---------------------|-----------------------|-----------------------------------|------------|
| evening max el | -12487 Aug 30 j 13:42 | 29° \mathfrak{D} 33'16 | 46°55'39 | | -12484 Jan 09 j 19:07 | 0° \mathfrak{L} | |
| | -12487 Aug 31 j 00:14 | 0° \mathfrak{Q} | | | -12484 Feb 03 j 13:50 | 0° \mathfrak{M} | |
| | -12487 Oct 07 j 14:56 | 0° \mathfrak{P} | | morning set | -12484 Feb 24 j 12:00 | 25° \mathfrak{M} 38'07 | |
| greatest brilliancy | -12487 Oct 09 j 07:44 | 0° \mathfrak{P} 43'11 | -4.8m | | -12484 Feb 28 j 01:00 | 0° \mathfrak{X} | |
| retrograde | -12487 Oct 20 j 06:01 | 3° \mathfrak{P} 00'38 | | | -12484 Mar 23 j 05:36 | 0° \mathfrak{Z} | |
| | -12487 Nov 01 j 05:55 | 30° \mathfrak{R} \mathfrak{Q} | | max. Earth dist. | -12484 Mar 25 j 23:49 | 3° \mathfrak{Z} 26'16 | 1.72325 AU |
| asc. node | -12487 Nov 02 j 23:02 | 29° \mathfrak{Q} 07'19 | | | | | |
| evening set | -12487 Nov 04 j 03:57 | 28° \mathfrak{Q} 27'14 | | superior conj | -12484 Mar 30 j 10:50 | 8° \mathfrak{Z} 59'57 | -0°43'49 |
| inferior conj | -12487 Nov 10 j 09:43 | 24° \mathfrak{Q} 34'24 | 1°42'43 | minimum elong | -12484 Mar 30 j 17:58 | 9° \mathfrak{Z} 22'12 | 0°44'17 |
| minimum elong | -12487 Nov 10 j 06:15 | 24° \mathfrak{Q} 40'00 | 1°42'11 | | -12484 Apr 16 j 05:48 | 0° \mathfrak{X} | |
| min. Earth dist. | -12487 Nov 09 j 23:12 | 24° \mathfrak{Q} 51'26 | 0.28791 AU | asc. node | -12484 Apr 19 j 11:08 | 4° \mathfrak{X} 02'17 | |
| morning rise | -12487 Nov 16 j 09:09 | 20° \mathfrak{Q} 51'13 | | evening rise | -12484 May 05 j 13:51 | 24° \mathfrak{X} 14'48 | |
| direct | -12487 Dec 01 j 16:29 | 16° \mathfrak{Q} 10'52 | | | -12484 May 10 j 03:50 | 0° \mathfrak{H} | |
| greatest brilliancy | -12487 Dec 10 j 18:26 | 17° \mathfrak{Q} 42'10 | -4.7m | | -12484 Jun 03 j 01:42 | 0° \mathfrak{Y} | |
| | -12486 Jan 01 j 03:39 | 0° \mathfrak{P} | | | -12484 Jun 27 j 01:19 | 0° \mathfrak{X} | |
| morning max el | -12486 Jan 19 j 11:25 | 15° \mathfrak{P} 51'49 | 46°01'33 | | -12484 Jul 21 j 04:57 | 0° \mathfrak{I} | |
| | -12486 Feb 02 j 18:52 | 0° \mathfrak{L} | | desc. node | -12484 Aug 11 j 03:11 | 25° \mathfrak{I} 43'22 | |
| desc. node | -12486 Feb 24 j 16:09 | 23° \mathfrak{L} 22'00 | | | -12484 Aug 14 j 15:17 | 0° \mathfrak{D} | |
| | -12486 Mar 02 j 15:10 | 0° \mathfrak{M} | | | -12484 Sep 08 j 12:03 | 0° \mathfrak{Q} | |
| | -12486 Mar 28 j 16:32 | 0° \mathfrak{X} | | | -12484 Oct 04 j 03:03 | 0° \mathfrak{P} | |
| | -12486 Apr 22 j 16:45 | 0° \mathfrak{Z} | | | -12484 Oct 31 j 10:48 | 0° \mathfrak{L} | |
| | -12486 May 17 j 00:46 | 0° \mathfrak{X} | | evening max el | -12484 Nov 09 j 03:33 | 8° \mathfrak{L} 47'11 | 45°12'40 |
| greatest brilliancy | -12486 Jun 05 j 09:43 | 24° \mathfrak{X} 15'48 | -3.9m | asc. node | -12484 Nov 30 j 09:21 | 27° \mathfrak{L} 21'39 | |
| | -12486 Jun 09 j 23:01 | 0° \mathfrak{H} | | | -12484 Dec 04 j 02:48 | 0° \mathfrak{M} | |
| asc. node | -12486 Jun 15 j 12:21 | 7° \mathfrak{H} 00'31 | | greatest brilliancy | -12484 Dec 16 j 10:09 | 6° \mathfrak{M} 39'24 | -4.7m |
| | -12486 Jul 03 j 16:36 | 0° \mathfrak{Y} | | retrograde | -12484 Dec 27 j 13:33 | 8° \mathfrak{M} 53'48 | |
| morning set | -12486 Jul 17 j 03:44 | 17° \mathfrak{Y} 02'38 | | evening set | -12483 Jan 13 j 19:22 | 3° \mathfrak{M} 16'03 | |
| | -12486 Jul 27 j 09:38 | 0° \mathfrak{X} | | inferior conj | -12483 Jan 17 j 23:54 | 0° \mathfrak{M} 40'28 | 7°54'14 |
| | -12486 Aug 20 j 05:21 | 0° \mathfrak{I} | | minimum elong | -12483 Jan 17 j 19:44 | 0° \mathfrak{M} 47'03 | 7°53'35 |
| | | | | min. Earth dist. | -12483 Jan 18 j 12:17 | 0° \mathfrak{M} 20'52 | 0.29518 AU |
| superior conj | -12486 Aug 28 j 09:29 | 10° \mathfrak{I} 14'25 | 1°13'14 | | -12483 Jan 19 j 01:30 | 30° \mathfrak{R} \mathfrak{L} | |
| minimum elong | -12486 Aug 28 j 19:30 | 10° \mathfrak{I} 45'46 | 1°13'44 | morning rise | -12483 Jan 21 j 19:58 | 28° \mathfrak{L} 16'53 | |
| max. Earth dist. | -12486 Sep 04 j 20:34 | 19° \mathfrak{I} 33'54 | 1.71650 AU | direct | -12483 Feb 09 j 01:26 | 22° \mathfrak{L} 08'31 | |
| | -12486 Sep 13 j 05:37 | 0° \mathfrak{D} | | greatest brilliancy | -12483 Feb 19 j 05:58 | 23° \mathfrak{L} 59'28 | -4.7m |
| desc. node | -12486 Oct 07 j 00:09 | 29° \mathfrak{D} 27'08 | | | -12483 Mar 03 j 05:27 | 0° \mathfrak{M} | |
| | -12486 Oct 07 j 10:48 | 0° \mathfrak{Q} | | desc. node | -12483 Mar 24 j 04:21 | 16° \mathfrak{M} 33'48 | |
| evening rise | -12486 Oct 10 j 15:31 | 3° \mathfrak{Q} 56'37 | | morning max el | -12483 Mar 30 j 10:00 | 22° \mathfrak{M} 25'59 | 46°17'57 |
| | -12486 Oct 31 j 19:59 | 0° \mathfrak{P} | | | -12483 Apr 07 j 00:53 | 0° \mathfrak{X} | |
| | -12486 Nov 25 j 08:23 | 0° \mathfrak{L} | | | -12483 May 04 j 15:58 | 0° \mathfrak{Z} | |
| | -12486 Dec 20 j 00:57 | 0° \mathfrak{M} | | | -12483 May 30 j 05:00 | 0° \mathfrak{X} | |
| | -12485 Jan 14 j 01:15 | 0° \mathfrak{X} | | | -12483 Jun 23 j 18:14 | 0° \mathfrak{H} | |
| asc. node | -12485 Jan 26 j 02:39 | 14° \mathfrak{X} 14'32 | | asc. node | -12483 Jul 13 j 02:25 | 24° \mathfrak{H} 05'14 | |
| | -12485 Feb 08 j 15:29 | 0° \mathfrak{Z} | | | -12483 Jul 17 j 19:42 | 0° \mathfrak{Y} | |
| | -12485 Mar 07 j 05:52 | 0° \mathfrak{X} | | | -12483 Aug 10 j 16:56 | 0° \mathfrak{X} | |
| | -12485 Apr 04 j 22:42 | 0° \mathfrak{H} | | | -12483 Sep 03 j 15:09 | 0° \mathfrak{I} | |
| evening max el | -12485 Apr 06 j 06:35 | 1° \mathfrak{H} 17'33 | 46°31'07 | | -12483 Sep 27 j 17:30 | 0° \mathfrak{D} | |
| | -12485 May 14 j 06:21 | 0° \mathfrak{Y} | | morning set | -12483 Oct 03 j 09:25 | 7° \mathfrak{D} 00'52 | |
| greatest brilliancy | -12485 May 16 j 13:31 | 0° \mathfrak{Y} 51'54 | -4.9m | | -12483 Oct 22 j 00:35 | 0° \mathfrak{Q} | |
| desc. node | -12485 May 19 j 23:54 | 1° \mathfrak{Y} 51'21 | | desc. node | -12483 Nov 03 j 13:18 | 15° \mathfrak{Q} 24'03 | |
| retrograde | -12485 May 26 j 07:54 | 2° \mathfrak{Y} 36'41 | | | | | |
| | -12485 Jun 06 j 19:47 | 30° \mathfrak{R} \mathfrak{H} | | superior conj | -12483 Nov 13 j 12:59 | 27° \mathfrak{Q} 39'05 | -0°22'08 |
| evening set | -12485 Jun 10 j 13:25 | 28° \mathfrak{H} 09'27 | | minimum elong | -12483 Nov 13 j 08:05 | 27° \mathfrak{Q} 24'04 | 0°21'29 |
| min. Earth dist. | -12485 Jun 15 j 09:40 | 25° \mathfrak{H} 22'32 | 0.26335 AU | max. Earth dist. | -12483 Nov 15 j 00:59 | 29° \mathfrak{Q} 29'27 | 1.73481 AU |
| inferior conj | -12485 Jun 16 j 00:41 | 25° \mathfrak{H} 00'12 | -6°05'36 | | -12483 Nov 15 j 10:57 | 0° \mathfrak{P} | |
| minimum elong | -12485 Jun 15 j 14:27 | 25° \mathfrak{H} 15'25 | 6°03'25 | | -12483 Dec 09 j 22:18 | 0° \mathfrak{L} | |
| morning rise | -12485 Jun 20 j 15:37 | 22° \mathfrak{H} 19'38 | | evening rise | -12483 Dec 21 j 11:53 | 14° \mathfrak{L} 10'57 | |
| direct | -12485 Jul 06 j 08:04 | 17° \mathfrak{H} 34'48 | | | -12482 Jan 03 j 09:22 | 0° \mathfrak{M} | |
| greatest brilliancy | -12485 Jul 16 j 16:34 | 19° \mathfrak{H} 37'13 | -4.9m | greatest brilliancy | -12482 Jan 15 j 14:28 | 14° \mathfrak{M} 58'27 | -3.9m |
| | -12485 Aug 03 j 01:14 | 0° \mathfrak{Y} | | | -12482 Jan 27 j 20:49 | 0° \mathfrak{X} | |
| morning max el | -12485 Aug 25 j 20:40 | 20° \mathfrak{Y} 53'00 | 46°32'11 | | -12482 Feb 21 j 10:49 | 0° \mathfrak{Z} | |
| | -12485 Sep 03 j 13:57 | 0° \mathfrak{X} | | asc. node | -12482 Feb 22 j 13:19 | 1° \mathfrak{Z} 20'34 | |
| asc. node | -12485 Sep 08 j 02:50 | 4° \mathfrak{X} 53'59 | | | -12482 Mar 18 j 05:51 | 0° \mathfrak{X} | |
| | -12485 Sep 30 j 10:21 | 0° \mathfrak{I} | | | -12482 Apr 12 j 08:19 | 0° \mathfrak{H} | |
| | -12485 Oct 26 j 03:22 | 0° \mathfrak{D} | | | -12482 May 07 j 22:47 | 0° \mathfrak{Y} | |
| | -12485 Nov 20 j 12:18 | 0° \mathfrak{Q} | | | -12482 Jun 03 j 14:32 | 0° \mathfrak{X} | |
| | -12485 Dec 15 j 17:51 | 0° \mathfrak{P} | | desc. node | -12482 Jun 16 j 09:34 | 13° \mathfrak{X} 32'31 | |
| desc. node | -12485 Dec 30 j 15:05 | 17° \mathfrak{P} 47'22 | | evening max el | -12482 Jun 18 j 10:42 | 15° \mathfrak{X} 37'52 | 47°54'29 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12482 Jul 03 j 11:15 | 0°♊ | | superior conj | -12479 Jan 21 j 12:30 | 4°♊02'22 | -1°19'36 |
| greatest brilliancy | -12482 Jul 30 j 04:49 | 17°♊49'03 | -4.9m | minimum elong | -12479 Jan 21 j 10:22 | 3°♊55'48 | 1°20'01 |
| retrograde | -12482 Aug 08 j 15:30 | 19°♊32'51 | | | -12479 Feb 11 j 14:10 | 0°♊ | |
| evening set | -12482 Aug 25 j 17:24 | 13°♊44'35 | | evening rise | -12479 Feb 25 j 10:56 | 17°♊08'38 | |
| inferior conj | -12482 Aug 29 j 11:44 | 11°♊22'38 | -7°29'52 | | -12479 Mar 07 j 20:12 | 0°♊ | |
| minimum elong | -12482 Aug 29 j 20:19 | 11°♊08'57 | 7°27'48 | asc. node | -12479 Mar 22 j 00:52 | 17°♊34'57 | |
| min. Earth dist. | -12482 Aug 28 j 21:31 | 11°♊45'16 | 0.27259 AU | | -12479 Apr 01 j 01:33 | 0°♊ | |
| morning rise | -12482 Sep 02 j 23:35 | 8°♊35'35 | | | -12479 Apr 25 j 07:50 | 0°♊ | |
| direct | -12482 Sep 18 j 19:32 | 3°♊32'31 | | | -12479 May 19 j 16:34 | 0°♊ | |
| greatest brilliancy | -12482 Sep 28 j 04:31 | 5°♊13'46 | -4.8m | | -12479 Jun 13 j 06:07 | 0°♊ | |
| asc. node | -12482 Oct 05 j 14:30 | 8°♊36'02 | | | -12479 Jul 08 j 05:22 | 0°♊ | |
| | -12482 Nov 01 j 21:13 | 0°♊ | | desc. node | -12479 Jul 13 j 19:13 | 6°♊35'38 | |
| morning max el | -12482 Nov 07 j 06:56 | 5°♊12'16 | 46°09'24 | | -12479 Aug 03 j 00:47 | 0°♊ | |
| | -12482 Dec 01 j 04:44 | 0°♊ | | evening max el | -12479 Aug 28 j 06:31 | 27°♊19'05 | 46°59'17 |
| | -12482 Dec 28 j 06:15 | 0°♊ | | | -12479 Aug 30 j 22:23 | 0°♊ | |
| | -12481 Jan 23 j 09:01 | 0°♊ | | greatest brilliancy | -12479 Oct 07 j 01:32 | 28°♊31'28 | -4.8m |
| desc. node | -12481 Jan 27 j 04:58 | 4°♊28'13 | | | -12479 Oct 11 j 14:39 | 0°♊ | |
| | -12481 Feb 17 j 19:32 | 0°♊ | | retrograde | -12479 Oct 17 j 23:53 | 0°♊48'45 | |
| | -12481 Mar 14 j 15:59 | 0°♊ | | | -12479 Oct 24 j 04:17 | 30°♊ | |
| | -12481 Apr 08 j 00:50 | 0°♊ | | evening set | -12479 Nov 01 j 21:07 | 26°♊15'17 | |
| morning set | -12481 May 02 j 08:52 | 0°♊23'53 | | asc. node | -12479 Nov 02 j 01:28 | 26°♊09'04 | |
| | -12481 May 02 j 01:16 | 0°♊ | | min. Earth dist. | -12479 Nov 07 j 15:38 | 22°♊40'21 | 0.28742 AU |
| asc. node | -12481 May 18 j 00:32 | 20°♊06'24 | | inferior conj | -12479 Nov 08 j 02:44 | 22°♊22'22 | 1°23'56 |
| | -12481 May 25 j 20:39 | 0°♊ | | minimum elong | -12479 Nov 07 j 23:53 | 22°♊26'59 | 1°23'36 |
| | | | | morning rise | -12479 Nov 14 j 03:23 | 18°♊37'48 | |
| superior conj | -12481 Jun 09 j 04:10 | 18°♊05'46 | 0°48'22 | direct | -12479 Nov 29 j 09:13 | 13°♊59'45 | |
| minimum elong | -12481 Jun 08 j 18:51 | 17°♊36'20 | 0°47'50 | greatest brilliancy | -12479 Dec 08 j 09:59 | 15°♊30'40 | -4.7m |
| max. Earth dist. | -12481 Jun 09 j 02:22 | 18°♊00'05 | 1.70807 AU | | -12478 Jan 01 j 13:59 | 0°♊ | |
| | -12481 Jun 18 j 14:04 | 0°♊ | | morning max el | -12478 Jan 17 j 04:34 | 13°♊44'50 | 46°01'18 |
| | -12481 Jul 12 j 08:20 | 0°♊ | | | -12478 Feb 02 j 13:19 | 0°♊ | |
| evening rise | -12481 Jul 19 j 17:33 | 9°♊17'38 | | desc. node | -12478 Feb 23 j 18:23 | 22°♊46'07 | |
| | -12481 Aug 05 j 05:45 | 0°♊ | | | -12478 Mar 02 j 05:49 | 0°♊ | |
| | -12481 Aug 29 j 07:56 | 0°♊ | | | -12478 Mar 28 j 05:34 | 0°♊ | |
| desc. node | -12481 Sep 08 j 14:18 | 12°♊41'54 | | | -12478 Apr 22 j 04:59 | 0°♊ | |
| | -12481 Sep 22 j 15:46 | 0°♊ | | | -12478 May 16 j 12:36 | 0°♊ | |
| | -12481 Oct 17 j 06:10 | 0°♊ | | greatest brilliancy | -12478 Jun 06 j 09:21 | 26°♊09'03 | -3.9m |
| | -12481 Nov 11 j 06:03 | 0°♊ | | | -12478 Jun 09 j 10:39 | 0°♊ | |
| | -12481 Dec 06 j 23:25 | 0°♊ | | asc. node | -12478 Jun 14 j 14:24 | 6°♊30'23 | |
| asc. node | -12481 Dec 28 j 18:56 | 24°♊12'08 | | | -12478 Jul 03 j 04:08 | 0°♊ | |
| | -12480 Jan 03 j 06:06 | 0°♊ | | morning set | -12478 Jul 14 j 14:07 | 14°♊27'21 | |
| evening max el | -12480 Jan 20 j 08:11 | 17°♊06'07 | 44°56'06 | | -12478 Jul 26 j 21:07 | 0°♊ | |
| | -12480 Feb 04 j 00:17 | 0°♊ | | | -12478 Aug 19 j 16:46 | 0°♊ | |
| greatest brilliancy | -12480 Feb 27 j 14:24 | 14°♊10'09 | -4.7m | superior conj | -12478 Aug 25 j 17:54 | 7°♊34'48 | 1°15'01 |
| retrograde | -12480 Mar 08 j 12:34 | 15°♊54'20 | | minimum elong | -12478 Aug 26 j 03:14 | 8°♊04'03 | 1°15'33 |
| evening set | -12480 Mar 24 j 07:17 | 11°♊19'06 | | max. Earth dist. | -12478 Sep 02 j 08:17 | 17°♊05'03 | 1.71582 AU |
| inferior conj | -12480 Mar 29 j 15:36 | 8°♊14'46 | 4°51'39 | | -12478 Sep 12 j 17:00 | 0°♊ | |
| minimum elong | -12480 Mar 30 j 00:36 | 8°♊01'21 | 4°48'46 | desc. node | -12478 Oct 06 j 02:26 | 28°♊59'03 | |
| min. Earth dist. | -12480 Mar 30 j 22:41 | 7°♊28'28 | 0.27761 AU | | -12478 Oct 06 j 22:11 | 0°♊ | |
| morning rise | -12480 Apr 04 j 16:53 | 4°♊45'12 | | evening rise | -12478 Oct 08 j 02:04 | 1°♊26'00 | |
| direct | -12480 Apr 20 j 02:14 | 0°♊16'28 | | | -12478 Oct 31 j 07:26 | 0°♊ | |
| desc. node | -12480 Apr 20 j 15:43 | 0°♊16'50 | | | -12478 Nov 24 j 20:00 | 0°♊ | |
| greatest brilliancy | -12480 May 02 j 00:11 | 2°♊49'29 | -4.8m | | -12478 Dec 19 j 12:55 | 0°♊ | |
| | -12480 Jun 06 j 20:30 | 0°♊ | | | -12477 Jan 13 j 13:57 | 0°♊ | |
| morning max el | -12480 Jun 09 j 12:24 | 2°♊39'25 | 46°38'38 | | -12477 Jan 25 j 04:58 | 13°♊42'27 | |
| | -12480 Jul 04 j 18:46 | 0°♊ | | asc. node | -12477 Feb 08 j 05:37 | 0°♊ | |
| | -12480 Jul 30 j 08:01 | 0°♊ | | | -12477 Mar 06 j 22:53 | 0°♊ | |
| asc. node | -12480 Aug 09 j 16:14 | 12°♊29'28 | | evening max el | -12477 Apr 03 j 20:13 | 28°♊54'33 | 46°26'58 |
| | -12480 Aug 24 j 00:26 | 0°♊ | | | -12477 Apr 04 j 23:24 | 0°♊ | |
| | -12480 Sep 17 j 10:20 | 0°♊ | | greatest brilliancy | -12477 May 14 j 00:38 | 28°♊20'14 | -4.9m |
| | -12480 Oct 11 j 20:49 | 0°♊ | | desc. node | -12477 May 19 j 02:06 | 29°♊39'19 | |
| | -12480 Nov 05 j 10:24 | 0°♊ | | | -12477 May 21 j 19:38 | 0°♊ | |
| | -12480 Nov 30 j 02:10 | 0°♊ | | retrograde | -12477 May 23 j 19:12 | 0°♊04'33 | |
| desc. node | -12480 Dec 01 j 03:06 | 1°♊15'46 | | | -12477 May 25 j 18:19 | 30°♊ | |
| morning set | -12480 Dec 15 j 17:14 | 19°♊01'03 | | evening set | -12477 Jun 07 j 21:38 | 25°♊42'49 | |
| | -12480 Dec 24 j 17:23 | 0°♊ | | min. Earth dist. | -12477 Jun 12 j 22:18 | 22°♊49'46 | 0.26329 AU |
| max. Earth dist. | -12479 Jan 17 j 18:07 | 29°♊24'45 | 1.73720 AU | inferior conj | -12477 Jun 13 j 12:06 | 22°♊29'14 | -5°47'39 |
| | -12479 Jan 18 j 05:36 | 0°♊ | | | | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|---------------------------|------------|---------------------|--|-----------------------|---------------------------|------------|
| minimum elong | -12477 Jun 13 j 01:57 | 22° H 44'20 | 5°45'25 | | | -12475 Dec 09 j 09:19 | 0° L | |
| morning rise | -12477 Jun 18 j 06:24 | 19° H 44'02 | | evening rise | | -12475 Dec 19 j 06:09 | 12° L 05'55 | |
| direct | -12477 Jul 03 j 20:13 | 15° H 04'10 | | | | -12474 Jan 02 j 20:27 | 0° M | |
| greatest brilliancy | -12477 Jul 14 j 05:48 | 17° H 07'08 | -4.9m | greatest brilliancy | | -12474 Jan 15 j 21:46 | 16° M 00'05 | -3.9m |
| | -12477 Aug 03 j 16:54 | 0° Y | | | | -12474 Jan 27 j 08:09 | 0° J | |
| morning max el | -12477 Aug 23 j 08:28 | 18° Y 21'14 | 46°32'58 | | | -12474 Feb 20 j 22:37 | 0° Z | |
| | -12477 Sep 03 j 10:04 | 0° X | | asc. node | | -12474 Feb 21 j 15:40 | 0° Z 51'47 | |
| asc. node | -12477 Sep 07 j 05:07 | 4° X 07'54 | | | | -12474 Mar 17 j 18:22 | 0° \approx | |
| | -12477 Sep 30 j 02:01 | 0° II | | | | -12474 Apr 11 j 21:57 | 0° H | |
| | -12477 Oct 25 j 17:06 | 0° E | | | | -12474 May 07 j 14:15 | 0° Y | |
| | -12477 Nov 20 j 00:57 | 0° L | | | | -12474 Jun 03 j 09:47 | 0° X | |
| | -12477 Dec 15 j 05:51 | 0° M | | desc. node | | -12474 Jun 15 j 11:48 | 12° X 40'14 | |
| desc. node | -12477 Dec 29 j 17:08 | 17° M 18'29 | | evening max el | | -12474 Jun 16 j 00:02 | 13° X 11'18 | 47°53'49 |
| | -12476 Jan 09 j 06:41 | 0° L | | | | -12474 Jul 03 j 20:05 | 0° II | |
| | -12476 Feb 03 j 01:06 | 0° M | | greatest brilliancy | | -12474 Jul 27 j 20:08 | 15° II 24'18 | -4.9m |
| morning set | -12476 Feb 22 j 07:27 | 23° M 35'57 | | retrograde | | -12474 Aug 06 j 05:27 | 17° II 07'15 | |
| | -12476 Feb 27 j 12:07 | 0° J | | evening set | | -12474 Aug 23 j 10:17 | 11° II 15'21 | |
| | -12476 Mar 22 j 16:42 | 0° Z | | min. Earth dist. | | -12474 Aug 26 j 11:32 | 9° II 20'49 | 0.27216 AU |
| max. Earth dist. | -12476 Mar 23 j 16:10 | 1° Z 13'06 | 1.72387 AU | inferior conj | | -12474 Aug 27 j 01:54 | 8° II 58'00 | -7°41'10 |
| | | | | minimum elong | | -12474 Aug 27 j 10:07 | 8° II 44'59 | 7°39'15 |
| superior conj | -12476 Mar 28 j 05:51 | 6° Z 54'54 | -0°46'17 | morning rise | | -12474 Aug 31 j 10:14 | 6° II 16'30 | |
| minimum elong | -12476 Mar 28 j 13:10 | 7° Z 17'43 | 0°46'46 | direct | | -12474 Sep 16 j 08:36 | 1° II 08'48 | |
| | -12476 Apr 15 j 16:59 | 0° \approx | | greatest brilliancy | | -12474 Sep 25 j 19:06 | 2° II 51'20 | -4.9m |
| asc. node | -12476 Apr 18 j 13:24 | 3° \approx 34'16 | | asc. node | | -12474 Oct 04 j 16:50 | 7° II 05'13 | |
| evening rise | -12476 May 03 j 06:29 | 22° \approx 00'57 | | | | -12474 Nov 01 j 22:08 | 0° E | |
| | -12476 May 09 j 15:12 | 0° H | | morning max el | | -12474 Nov 04 j 21:22 | 2° E 53'15 | 46°10'12 |
| | -12476 Jun 02 j 13:17 | 0° Y | | | | -12474 Nov 30 j 21:32 | 0° L | |
| | -12476 Jun 26 j 13:10 | 0° X | | | | -12474 Dec 27 j 20:12 | 0° M | |
| | -12476 Jul 20 j 17:08 | 0° II | | | | -12473 Jan 22 j 21:33 | 0° L | |
| desc. node | -12476 Aug 10 j 05:32 | 25° II 12'13 | | desc. node | | -12473 Jan 26 j 07:14 | 3° L 58'33 | |
| | -12476 Aug 14 j 03:54 | 0° E | | | | -12473 Feb 17 j 07:18 | 0° M | |
| | -12476 Sep 08 j 01:25 | 0° L | | | | -12473 Mar 14 j 03:21 | 0° J | |
| | -12476 Oct 03 j 17:59 | 0° M | | | | -12473 Apr 07 j 12:01 | 0° Z | |
| | -12476 Oct 31 j 06:05 | 0° L | | morning set | | -12473 Apr 30 j 02:03 | 28° Z 12'14 | |
| evening max el | -12476 Nov 06 j 18:27 | 6° L 32'46 | 45°15'08 | | | -12473 May 01 j 12:23 | 0° \approx | |
| asc. node | -12476 Nov 29 j 11:30 | 26° L 14'35 | | asc. node | | -12473 May 17 j 02:37 | 19° \approx 37'52 | |
| | -12476 Dec 05 j 02:50 | 0° M | | | | -12473 May 25 j 07:47 | 0° H | |
| greatest brilliancy | -12476 Dec 14 j 03:03 | 4° M 32'59 | -4.7m | | | | | |
| retrograde | -12476 Dec 25 j 06:22 | 6° M 48'03 | | superior conj | | -12473 Jun 06 j 17:25 | 15° H 40'31 | 0°45'24 |
| evening set | -12475 Jan 11 j 10:36 | 1° M 12'34 | | minimum elong | | -12473 Jun 06 j 08:32 | 15° H 12'25 | 0°44'50 |
| | -12475 Jan 13 j 10:21 | 30° R L | | max. Earth dist. | | -12473 Jun 06 j 11:50 | 15° H 22'51 | 1.70833 AU |
| inferior conj | -12475 Jan 15 j 17:10 | 28° L 33'50 | 7°49'37 | | | -12473 Jun 18 j 01:17 | 0° Y | |
| minimum elong | -12475 Jan 15 j 12:25 | 28° L 41'22 | 7°48'55 | | | -12473 Jul 11 j 19:39 | 0° X | |
| min. Earth dist. | -12475 Jan 16 j 04:42 | 28° L 15'35 | 0.29537 AU | evening rise | | -12473 Jul 17 j 02:17 | 6° X 38'35 | |
| morning rise | -12475 Jan 19 j 14:04 | 26° L 08'42 | | | | -12473 Aug 04 j 17:09 | 0° II | |
| direct | -12475 Feb 06 j 17:57 | 20° L 01'22 | | | | -12473 Aug 28 j 19:27 | 0° E | |
| greatest brilliancy | -12475 Feb 16 j 21:59 | 21° L 51'22 | -4.7m | desc. node | | -12473 Sep 07 j 16:33 | 12° E 13'06 | |
| | -12475 Mar 04 j 03:30 | 0° M | | | | -12473 Sep 22 j 03:27 | 0° L | |
| desc. node | -12475 Mar 23 j 06:37 | 15° M 41'38 | | | | -12473 Oct 16 j 18:12 | 0° M | |
| morning max el | -12475 Mar 28 j 01:13 | 20° M 12'31 | 46°17'10 | | | -12473 Nov 10 j 18:47 | 0° L | |
| | -12475 Apr 06 j 20:33 | 0° J | | | | -12473 Dec 06 j 13:40 | 0° M | |
| | -12475 May 04 j 07:08 | 0° Z | | asc. node | | -12473 Dec 27 j 21:21 | 23° M 33'23 | |
| | -12475 May 29 j 18:25 | 0° \approx | | | | -12472 Jan 03 j 00:10 | 0° J | |
| | -12475 Jun 23 j 06:48 | 0° H | | evening max el | | -12472 Jan 17 j 23:18 | 14° J 53'50 | 44°54'46 |
| asc. node | -12475 Jul 12 j 04:36 | 23° H 34'05 | | | | -12472 Feb 04 j 11:06 | 0° Z | |
| | -12475 Jul 17 j 07:47 | 0° Y | | greatest brilliancy | | -12472 Feb 25 j 02:36 | 11° Z 53'45 | -4.7m |
| | -12475 Aug 10 j 04:42 | 0° X | | retrograde | | -12472 Mar 06 j 02:40 | 13° Z 39'06 | |
| | -12475 Sep 03 j 02:44 | 0° II | | evening set | | -12472 Mar 21 j 23:44 | 8° Z 59'47 | |
| | -12475 Sep 27 j 04:55 | 0° E | | inferior conj | | -12472 Mar 27 j 05:32 | 5° Z 58'17 | 5°08'00 |
| morning set | -12475 Sep 30 j 20:07 | 4° E 30'12 | | minimum elong | | -12472 Mar 27 j 14:45 | 5° Z 44'32 | 5°05'09 |
| | -12475 Oct 21 j 11:50 | 0° L | | min. Earth dist. | | -12472 Mar 28 j 12:49 | 5° Z 11'39 | 0.27847 AU |
| desc. node | -12475 Nov 02 j 15:24 | 14° L 56'13 | | morning rise | | -12472 Apr 02 j 04:52 | 2° Z 31'11 | |
| | | | | | | -12472 Apr 07 j 13:36 | 30° R J | |
| superior conj | -12475 Nov 11 j 02:56 | 25° L 20'41 | -0°18'52 | direct | | -12472 Apr 17 j 17:49 | 27° J 58'22 | |
| minimum elong | -12475 Nov 10 j 22:42 | 25° L 07'42 | 0°18'13 | desc. node | | -12472 Apr 19 j 17:51 | 28° J 03'01 | |
| max. Earth dist. | -12475 Nov 12 j 20:20 | 27° L 27'36 | 1.73436 AU | | | -12472 Apr 28 j 06:59 | 0° Z | |
| | -12475 Nov 14 j 22:02 | 0° M | | greatest brilliancy | | -12472 Apr 29 j 14:25 | 0° Z 30'25 | -4.8m |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|--|--|-----------------------|-----------|------------|
| | -12472 Jun 06 j 19:48 | 0°♊ | | | | | -12469 Jan 13 j 02:24 | 0°♊ | |
| morning max el | -12472 Jun 07 j 03:57 | 0°♊20'29 | 46°38'10 | asc. node | | | -12469 Jan 24 j 07:21 | 13°♊11'20 | |
| | -12472 Jul 04 j 11:21 | 0°♋ | | | | | -12469 Feb 07 j 19:32 | 0°♋ | |
| | -12472 Jul 29 j 22:12 | 0°♌ | | | | | -12469 Mar 06 j 15:50 | 0°♌ | |
| asc. node | -12472 Aug 08 j 18:31 | 11°♌55'07 | | evening max el | | | -12469 Apr 01 j 09:11 | 26°♌31'26 | 46°22'53 |
| | -12472 Aug 23 j 13:26 | 0°♍ | | | | | -12469 Apr 05 j 00:45 | 0°♍ | |
| | -12472 Sep 16 j 22:36 | 0°♎ | | greatest brilliancy | | | -12469 May 11 j 12:29 | 25°♎51'16 | -4.9m |
| | -12472 Oct 11 j 08:35 | 0°♏ | | desc. node | | | -12469 May 18 j 04:18 | 27°♎23'48 | |
| | -12472 Nov 04 j 21:48 | 0°♐ | | retrograde | | | -12469 May 21 j 06:15 | 27°♎34'38 | |
| | -12472 Nov 29 j 13:18 | 0°♑ | | evening set | | | -12469 Jun 05 j 06:16 | 23°♎17'52 | |
| desc. node | -12472 Nov 30 j 05:10 | 0°♑48'17 | | inferior conj | | | -12469 Jun 10 j 23:46 | 20°♎00'30 | -5°29'07 |
| morning set | -12472 Dec 13 j 09:29 | 16°♑50'49 | | minimum elong | | | -12469 Jun 10 j 13:48 | 20°♎15'21 | 5°26'50 |
| | -12472 Dec 24 j 04:19 | 0°♒ | | min. Earth dist. | | | -12469 Jun 10 j 11:34 | 20°♎18'40 | 0.26329 AU |
| max. Earth dist. | -12471 Jan 15 j 17:36 | 27°♒36'15 | 1.73739 AU | morning rise | | | -12469 Jun 15 j 21:21 | 17°♎10'40 | |
| | -12471 Jan 17 j 16:25 | 0°♓ | | direct | | | -12469 Jul 01 j 08:01 | 12°♎35'23 | |
| | | | | greatest brilliancy | | | -12469 Jul 11 j 19:53 | 14°♎39'39 | -4.9m |
| superior conj | -12471 Jan 19 j 07:58 | 2°♓01'27 | -1°19'11 | | | | -12469 Aug 04 j 04:08 | 0°♏ | |
| minimum elong | -12471 Jan 19 j 05:16 | 1°♓53'10 | 1°19'33 | morning max el | | | -12469 Aug 20 j 19:51 | 15°♏49'08 | 46°33'30 |
| | -12471 Feb 11 j 00:59 | 0°♏ | | | | | -12469 Sep 03 j 05:19 | 0°♏ | |
| evening rise | -12471 Feb 23 j 07:11 | 15°♏09'11 | | asc. node | | | -12469 Sep 06 j 07:22 | 3°♏23'10 | |
| | -12471 Mar 07 j 07:09 | 0°♐ | | | | | -12469 Sep 29 j 17:17 | 0°♐ | |
| asc. node | -12471 Mar 21 j 03:11 | 17°♐07'43 | | | | | -12469 Oct 25 j 06:34 | 0°♑ | |
| | -12471 Mar 31 j 12:47 | 0°♑ | | | | | -12469 Nov 19 j 13:23 | 0°♑ | |
| | -12471 Apr 24 j 19:31 | 0°♒ | | | | | -12469 Dec 14 j 17:36 | 0°♒ | |
| | -12471 May 19 j 04:48 | 0°♓ | | desc. node | | | -12469 Dec 28 j 19:26 | 16°♒51'07 | |
| | -12471 Jun 12 j 19:06 | 0°♓ | | | | | -12468 Jan 08 j 17:57 | 0°♒ | |
| | -12471 Jul 07 j 19:29 | 0°♔ | | | | | -12468 Feb 02 j 12:04 | 0°♓ | |
| desc. node | -12471 Jul 12 j 21:35 | 5°♔59'59 | | morning set | | | -12468 Feb 20 j 02:54 | 21°♓34'44 | |
| | -12471 Aug 02 j 17:09 | 0°♕ | | | | | -12468 Feb 26 j 22:57 | 0°♔ | |
| evening max el | -12471 Aug 25 j 23:31 | 25°♕05'46 | 47°03'03 | max. Earth dist. | | | -12468 Mar 21 j 10:00 | 29°♔05'23 | 1.72449 AU |
| | -12471 Aug 30 j 21:11 | 0°♖ | | | | | -12468 Mar 22 j 03:32 | 0°♕ | |
| greatest brilliancy | -12471 Oct 04 j 19:56 | 26°♖21'15 | -4.8m | | | | | | |
| retrograde | -12471 Oct 15 j 17:39 | 28°♖37'28 | | superior conj | | | -12468 Mar 26 j 01:10 | 4°♕51'42 | -0°48'41 |
| evening set | -12471 Oct 30 j 14:30 | 24°♖04'06 | | minimum elong | | | -12468 Mar 26 j 08:39 | 5°♕15'00 | 0°49'10 |
| asc. node | -12471 Nov 01 j 03:37 | 23°♖09'21 | | | | | -12468 Apr 15 j 03:56 | 0°♖ | |
| inferior conj | -12471 Nov 05 j 19:47 | 20°♖11'11 | 1°05'01 | asc. node | | | -12468 Apr 17 j 15:33 | 3°♖06'41 | |
| minimum elong | -12471 Nov 05 j 17:34 | 20°♖14'47 | 1°04'52 | evening rise | | | -12468 Apr 30 j 23:40 | 19°♖49'44 | |
| min. Earth dist. | -12471 Nov 05 j 08:13 | 20°♖29'57 | 0.28686 AU | | | | -12468 May 09 j 02:19 | 0°♗ | |
| morning rise | -12471 Nov 11 j 21:28 | 16°♖25'14 | | | | | -12468 Jun 02 j 00:36 | 0°♗ | |
| direct | -12471 Nov 27 j 01:57 | 11°♖49'43 | | | | | -12468 Jun 26 j 00:44 | 0°♘ | |
| greatest brilliancy | -12471 Dec 06 j 01:27 | 13°♖19'55 | -4.7m | | | | -12468 Jul 20 j 05:03 | 0°♗ | |
| | -12470 Jan 01 j 21:08 | 0°♘ | | desc. node | | | -12468 Aug 09 j 07:46 | 24°♗41'26 | |
| morning max el | -12470 Jan 14 j 21:11 | 11°♘37'36 | 46°01'04 | | | | -12468 Aug 13 j 16:20 | 0°♘ | |
| | -12470 Feb 02 j 06:56 | 0°♙ | | | | | -12468 Sep 07 j 14:41 | 0°♖ | |
| desc. node | -12470 Feb 22 j 20:32 | 22°♙11'23 | | | | | -12468 Oct 03 j 08:59 | 0°♘ | |
| | -12470 Mar 01 j 19:55 | 0°♚ | | | | | -12468 Oct 31 j 01:49 | 0°♙ | |
| | -12470 Mar 27 j 18:09 | 0°♏ | | evening max el | | | -12468 Nov 04 j 09:22 | 4°♙18'34 | 45°17'51 |
| | -12470 Apr 21 j 16:48 | 0°♐ | | asc. node | | | -12468 Nov 28 j 13:55 | 25°♙06'32 | |
| | -12470 May 16 j 00:02 | 0°♑ | | | | | -12468 Dec 06 j 12:33 | 0°♚ | |
| greatest brilliancy | -12470 Jun 06 j 23:49 | 27°♑34'36 | -3.9m | greatest brilliancy | | | -12468 Dec 11 j 19:36 | 2°♚26'26 | -4.7m |
| | -12470 Jun 08 j 21:56 | 0°♒ | | retrograde | | | -12468 Dec 22 j 23:36 | 4°♚42'55 | |
| asc. node | -12470 Jun 13 j 16:40 | 6°♒02'00 | | | | | -12467 Jan 07 j 14:50 | 30°♒♄ | |
| | -12470 Jul 02 j 15:22 | 0°♓ | | evening set | | | -12467 Jan 09 j 01:47 | 29°♒09'35 | |
| morning set | -12470 Jul 12 j 00:26 | 11°♓52'35 | | inferior conj | | | -12467 Jan 13 j 10:30 | 26°♒27'42 | 7°44'27 |
| | -12470 Jul 26 j 08:20 | 0°♔ | | minimum elong | | | -12467 Jan 13 j 05:12 | 26°♒36'06 | 7°43'39 |
| | -12470 Aug 19 j 03:58 | 0°♕ | | min. Earth dist. | | | -12467 Jan 13 j 21:02 | 26°♒11'02 | 0.29550 AU |
| | | | | morning rise | | | -12467 Jan 17 j 08:26 | 24°♒00'53 | |
| superior conj | -12470 Aug 23 j 01:55 | 4°♕54'30 | 1°16'39 | direct | | | -12467 Feb 04 j 10:27 | 17°♒54'41 | |
| minimum elong | -12470 Aug 23 j 10:28 | 5°♕21'16 | 1°17'12 | greatest brilliancy | | | -12467 Feb 14 j 14:04 | 19°♒44'08 | -4.7m |
| max. Earth dist. | -12470 Aug 30 j 18:57 | 14°♕33'25 | 1.71513 AU | | | | -12467 Mar 04 j 19:38 | 0°♓ | |
| | -12470 Sep 12 j 04:11 | 0°♖ | | desc. node | | | -12467 Mar 22 j 08:47 | 14°♓50'51 | |
| evening rise | -12470 Oct 05 j 11:49 | 28°♖53'34 | | morning max el | | | -12467 Mar 25 j 17:20 | 18°♓02'05 | 46°16'24 |
| desc. node | -12470 Oct 05 j 04:33 | 28°♖31'08 | | | | | -12467 Apr 06 j 15:27 | 0°♔ | |
| | -12470 Oct 06 j 09:21 | 0°♗ | | | | | -12467 May 03 j 21:56 | 0°♕ | |
| | -12470 Oct 30 j 18:37 | 0°♘ | | | | | -12467 May 29 j 07:34 | 0°♖ | |
| | -12470 Nov 24 j 07:19 | 0°♙ | | | | | -12467 Jun 22 j 19:07 | 0°♗ | |
| | -12470 Dec 19 j 00:36 | 0°♚ | | asc. node | | | -12467 Jul 11 j 06:54 | 23°♗03'57 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12467 Jul 16 j 19:37 | 0°♄ | | asc. node | -12465 Dec 26 j 23:42 | 22°♊53'43 | |
| | -12467 Aug 09 j 16:16 | 0°♌ | | | -12464 Jan 02 j 18:51 | 0°♈ | |
| | -12467 Sep 02 j 14:07 | 0°♍ | | evening max el | -12464 Jan 15 j 15:01 | 12°♏42'34 | 44°53'28 |
| | -12467 Sep 26 j 16:10 | 0°♎ | | | -12464 Feb 05 j 01:50 | 0°♏ | |
| morning set | -12467 Sep 28 j 06:44 | 1°♎59'36 | | greatest brilliancy | -12464 Feb 22 j 15:29 | 9°♏38'00 | -4.7m |
| | -12467 Oct 20 j 22:58 | 0°♏ | | retrograde | -12464 Mar 03 j 16:34 | 11°♏23'46 | |
| desc. node | -12467 Nov 01 j 17:32 | 14°♏28'46 | | evening set | -12464 Mar 19 j 16:25 | 6°♏40'39 | |
| | | | | inferior conj | -12464 Mar 24 j 19:40 | 3°♏41'58 | 5°23'47 |
| superior conj | -12467 Nov 08 j 16:32 | 23°♏01'18 | -0°15'32 | minimum elong | -12464 Mar 25 j 05:00 | 3°♏27'58 | 5°20'58 |
| minimum elong | -12467 Nov 08 j 13:00 | 22°♏50'30 | 0°14'54 | min. Earth dist. | -12464 Mar 26 j 03:04 | 2°♏54'58 | 0.27928 AU |
| behind sun begin | -12467 Nov 08 j 03:37 | 22°♏21'41 | | morning rise | -12464 Mar 30 j 16:46 | 0°♏17'20 | |
| behind sun end | -12467 Nov 08 j 22:24 | 23°♏19'18 | | | -12464 Mar 31 j 05:45 | 30°♏♈ | |
| max. Earth dist. | -12467 Nov 10 j 13:24 | 25°♏18'56 | 1.73393 AU | direct | -12464 Apr 15 j 09:27 | 25°♏40'40 | |
| | -12467 Nov 14 j 09:04 | 0°♐ | | desc. node | -12464 Apr 18 j 20:04 | 25°♏54'16 | |
| | -12467 Dec 08 j 20:17 | 0°♑ | | greatest brilliancy | -12464 Apr 27 j 04:18 | 28°♏10'58 | -4.8m |
| evening rise | -12467 Dec 17 j 00:01 | 9°♑59'52 | | | -12464 May 01 j 03:21 | 0°♏ | |
| | -12466 Jan 02 j 07:29 | 0°♒ | | morning max el | -12464 Jun 04 j 18:50 | 27°♏59'51 | 46°37'35 |
| greatest brilliancy | -12466 Jan 16 j 21:37 | 17°♒52'30 | -3.9m | | -12464 Jun 06 j 18:15 | 0°♐ | |
| | -12466 Jan 26 j 19:25 | 0°♈ | | | -12464 Jul 04 j 03:44 | 0°♈ | |
| | -12466 Feb 20 j 10:21 | 0°♏ | | | -12464 Jul 29 j 12:21 | 0°♄ | |
| asc. node | -12466 Feb 20 j 17:58 | 0°♏23'05 | | asc. node | -12464 Aug 07 j 20:37 | 11°♄20'03 | |
| | -12466 Mar 17 j 06:50 | 0°♐ | | | -12464 Aug 23 j 02:28 | 0°♌ | |
| | -12466 Apr 11 j 11:35 | 0°♈ | | | -12464 Sep 16 j 10:58 | 0°♍ | |
| | -12466 May 07 j 05:51 | 0°♄ | | | -12464 Oct 10 j 20:28 | 0°♎ | |
| | -12466 Jun 03 j 05:30 | 0°♌ | | | -12464 Nov 04 j 09:19 | 0°♏ | |
| evening max el | -12466 Jun 13 j 14:20 | 10°♌47'33 | 47°53'02 | desc. node | -12464 Nov 29 j 07:28 | 0°♐21'01 | |
| desc. node | -12466 Jun 14 j 14:15 | 11°♌47'51 | | | -12464 Nov 29 j 00:33 | 0°♐ | |
| | -12466 Jul 04 j 07:43 | 0°♍ | | morning set | -12464 Dec 11 j 01:43 | 14°♐40'08 | |
| greatest brilliancy | -12466 Jul 25 j 10:49 | 12°♍59'08 | -4.9m | | -12464 Dec 23 j 15:24 | 0°♑ | |
| retrograde | -12466 Aug 03 j 19:52 | 14°♍42'03 | | max. Earth dist. | -12463 Jan 13 j 16:24 | 25°♑45'12 | 1.73760 AU |
| evening set | -12466 Aug 21 j 03:02 | 8°♍46'27 | | | | | |
| min. Earth dist. | -12466 Aug 24 j 01:11 | 6°♍57'06 | 0.27174 AU | superior conj | -12463 Jan 17 j 03:18 | 29°♑59'38 | -1°18'39 |
| inferior conj | -12466 Aug 24 j 16:02 | 6°♍33'36 | -7°51'34 | minimum elong | -12463 Jan 17 j 00:03 | 29°♑49'38 | 1°18'59 |
| minimum elong | -12466 Aug 24 j 23:49 | 6°♍21'17 | 7°49'48 | | -12463 Jan 17 j 03:25 | 0°♒ | |
| morning rise | -12466 Aug 28 j 20:53 | 3°♍57'48 | | | -12463 Feb 10 j 12:01 | 0°♈ | |
| | -12466 Sep 06 j 06:04 | 30°♌♌ | | evening rise | -12463 Feb 21 j 03:15 | 13°♏08'30 | |
| direct | -12466 Sep 13 j 22:06 | 28°♌45'22 | | | -12463 Mar 06 j 18:20 | 0°♏ | |
| | -12466 Sep 21 j 21:48 | 0°♍ | | asc. node | -12463 Mar 20 j 05:20 | 16°♏39'14 | |
| greatest brilliancy | -12466 Sep 23 j 09:08 | 0°♍28'42 | -4.9m | | -12463 Mar 31 j 00:16 | 0°♐ | |
| asc. node | -12466 Oct 03 j 19:01 | 5°♍37'47 | | | -12463 Apr 24 j 07:25 | 0°♈ | |
| | -12466 Nov 01 j 21:47 | 0°♎ | | | -12463 May 18 j 17:16 | 0°♄ | |
| morning max el | -12466 Nov 02 j 12:40 | 0°♎36'34 | 46°10'54 | | -12463 Jun 12 j 08:21 | 0°♌ | |
| | -12466 Nov 30 j 14:00 | 0°♏ | | | -12463 Jul 07 j 09:58 | 0°♍ | |
| | -12466 Dec 27 j 10:03 | 0°♐ | | desc. node | -12463 Jul 11 j 23:49 | 5°♍23'04 | |
| | -12465 Jan 22 j 10:06 | 0°♑ | | | -12463 Aug 02 j 10:03 | 0°♎ | |
| desc. node | -12465 Jan 25 j 09:20 | 3°♑28'19 | | evening max el | -12463 Aug 23 j 16:01 | 22°♎50'12 | 47°06'35 |
| | -12465 Feb 16 j 19:06 | 0°♒ | | | -12463 Aug 30 j 21:19 | 0°♏ | |
| | -12465 Mar 13 j 14:44 | 0°♈ | | greatest brilliancy | -12463 Oct 02 j 14:50 | 24°♏10'23 | -4.8m |
| | -12465 Apr 06 j 23:11 | 0°♏ | | retrograde | -12463 Oct 13 j 10:54 | 26°♏24'43 | |
| morning set | -12465 Apr 27 j 19:22 | 26°♏01'10 | | evening set | -12463 Oct 28 j 07:54 | 21°♏51'28 | |
| | -12465 Apr 30 j 23:29 | 0°♐ | | asc. node | -12463 Oct 31 j 05:58 | 20°♏05'37 | |
| asc. node | -12465 May 16 j 04:53 | 19°♐09'54 | | min. Earth dist. | -12463 Nov 03 j 01:04 | 18°♏17'49 | 0.28628 AU |
| | -12465 May 24 j 18:56 | 0°♈ | | inferior conj | -12463 Nov 03 j 12:43 | 17°♏58'51 | 0°45'48 |
| | | | | minimum elong | -12463 Nov 03 j 11:09 | 18°♏01'25 | 0°45'52 |
| superior conj | -12465 Jun 04 j 06:57 | 13°♈16'06 | 0°42'23 | morning rise | -12463 Nov 09 j 15:16 | 14°♏11'29 | |
| minimum elong | -12465 Jun 03 j 22:32 | 12°♈49'31 | 0°41'47 | direct | -12463 Nov 24 j 18:13 | 9°♏38'35 | |
| max. Earth dist. | -12465 Jun 03 j 20:24 | 12°♈42'47 | 1.70863 AU | greatest brilliancy | -12463 Dec 03 j 17:13 | 11°♏08'19 | -4.7m |
| | -12465 Jun 17 j 12:32 | 0°♄ | | | -12462 Jan 02 j 02:29 | 0°♐ | |
| | -12465 Jul 11 j 07:01 | 0°♌ | | morning max el | -12462 Jan 12 j 12:47 | 9°♐27'06 | 46°00'54 |
| evening rise | -12465 Jul 14 j 11:21 | 4°♌00'18 | | | -12462 Feb 02 j 00:26 | 0°♑ | |
| | -12465 Aug 04 j 04:37 | 0°♍ | | desc. node | -12462 Feb 21 j 22:40 | 21°♑36'06 | |
| | -12465 Aug 28 j 07:01 | 0°♎ | | | -12462 Mar 01 j 10:08 | 0°♒ | |
| desc. node | -12465 Sep 06 j 18:44 | 11°♎43'56 | | | -12462 Mar 27 j 06:58 | 0°♈ | |
| | -12465 Sep 21 j 15:11 | 0°♏ | | | -12462 Apr 21 j 04:54 | 0°♏ | |
| | -12465 Oct 16 j 06:18 | 0°♐ | | | -12462 May 15 j 11:46 | 0°♐ | |
| | -12465 Nov 10 j 07:38 | 0°♑ | | greatest brilliancy | -12462 Jun 07 j 08:45 | 28°♐41'56 | -3.9m |
| | -12465 Dec 06 j 04:09 | 0°♒ | | | -12462 Jun 08 j 09:30 | 0°♈ | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------------------|------------|---------------------|-----------------------|---------------------------|------------|
| asc. node | -12462 Jun 12 j 18:55 | 5° H 32'42 | | | -12459 Jan 01 j 03:55 | 30° R A | |
| | -12462 Jul 02 j 02:51 | 0° Y | | evening set | -12459 Jan 06 j 16:50 | 27° A 05'38 | |
| morning set | -12462 Jul 09 j 10:48 | 9° Y 17'10 | | inferior conj | -12459 Jan 11 j 03:46 | 24° A 20'26 | 7°38'32 |
| | -12462 Jul 25 j 19:47 | 0° B | | minimum elong | -12459 Jan 10 j 21:58 | 24° A 29'36 | 7°37'42 |
| | -12462 Aug 18 j 15:25 | 0° II | | min. Earth dist. | -12459 Jan 11 j 13:04 | 24° A 05'43 | 0.29559 AU |
| | | | | morning rise | -12459 Jan 15 j 02:58 | 21° A 51'46 | |
| superior conj | -12462 Aug 20 j 10:02 | 2° II 13'38 | 1°18'07 | direct | -12459 Feb 02 j 03:18 | 15° A 47'00 | |
| minimum elong | -12462 Aug 20 j 17:40 | 2° II 37'37 | 1°18'40 | greatest brilliancy | -12459 Feb 12 j 05:45 | 17° A 35'44 | -4.7m |
| max. Earth dist. | -12462 Aug 28 j 04:03 | 11° II 56'03 | 1.71446 AU | | -12459 Mar 05 j 08:07 | 0° M | |
| | -12462 Sep 11 j 15:38 | 0° S | | desc. node | -12459 Mar 21 j 10:58 | 14° M 00'23 | |
| evening rise | -12462 Oct 02 j 21:17 | 26° S 19'14 | | morning max el | -12459 Mar 23 j 10:11 | 15° M 52'59 | 46°15'43 |
| desc. node | -12462 Oct 04 j 06:45 | 28° S 02'33 | | | -12459 Apr 06 j 10:07 | 0° A | |
| | -12462 Oct 05 j 20:48 | 0° Q | | | -12459 May 03 j 12:46 | 0° Z | |
| | -12462 Oct 30 j 06:06 | 0° M | | | -12459 May 28 j 20:52 | 0° \approx | |
| | -12462 Nov 23 j 18:57 | 0° A | | | -12459 Jun 22 j 07:39 | 0° H | |
| | -12462 Dec 18 j 12:36 | 0° M | | asc. node | -12459 Jul 10 j 08:59 | 22° H 32'15 | |
| | -12461 Jan 12 j 15:10 | 0° A | | | -12459 Jul 16 j 07:44 | 0° Y | |
| asc. node | -12461 Jan 23 j 09:37 | 12° A 39'00 | | | -12459 Aug 09 j 04:08 | 0° B | |
| | -12461 Feb 07 j 09:53 | 0° Z | | | -12459 Sep 02 j 01:49 | 0° II | |
| | -12461 Mar 06 j 09:30 | 0° \approx | | morning set | -12459 Sep 25 j 16:56 | 29° II 26'39 | |
| evening max el | -12461 Mar 29 j 21:15 | 24° \approx 05'07 | 46°18'40 | | -12459 Sep 26 j 03:41 | 0° S | |
| | -12461 Apr 05 j 04:02 | 0° H | | | -12459 Oct 20 j 10:20 | 0° Q | |
| greatest brilliancy | -12461 May 09 j 00:22 | 23° H 20'50 | -4.9m | desc. node | -12459 Oct 31 j 19:49 | 14° Q 01'01 | |
| desc. node | -12461 May 17 j 06:43 | 25° H 01'01 | | | | | |
| retrograde | -12461 May 18 j 16:56 | 25° H 03'21 | | superior conj | -12459 Nov 06 j 05:39 | 20° Q 39'42 | -0°12'07 |
| evening set | -12461 Jun 02 j 14:51 | 20° H 50'49 | | minimum elong | -12459 Nov 06 j 02:54 | 20° Q 31'13 | 0°11'30 |
| inferior conj | -12461 Jun 08 j 11:16 | 17° H 30'16 | -5°09'37 | behind sun begin | -12459 Nov 05 j 09:03 | 19° Q 36'26 | |
| minimum elong | -12461 Jun 08 j 01:33 | 17° H 44'43 | 5°07'22 | behind sun end | -12459 Nov 06 j 20:44 | 21° Q 25'59 | |
| min. Earth dist. | -12461 Jun 08 j 00:57 | 17° H 45'36 | 0.26334 AU | max. Earth dist. | -12459 Nov 08 j 07:00 | 23° Q 11'07 | 1.73349 AU |
| morning rise | -12461 Jun 13 j 12:07 | 14° H 35'58 | | | -12459 Nov 13 j 20:19 | 0° M | |
| direct | -12461 Jun 28 j 19:28 | 10° H 04'43 | | | -12459 Dec 08 j 07:30 | 0° A | |
| greatest brilliancy | -12461 Jul 09 j 10:24 | 12° H 11'19 | -4.9m | evening rise | -12459 Dec 14 j 17:43 | 7° A 52'33 | |
| | -12461 Aug 04 j 12:57 | 0° Y | | | -12458 Jan 01 j 18:47 | 0° M | |
| morning max el | -12461 Aug 18 j 07:16 | 13° Y 16'01 | 46°34'12 | | -12458 Jan 26 j 06:58 | 0° A | |
| | -12461 Sep 03 j 00:25 | 0° B | | asc. node | -12458 Feb 19 j 20:12 | 29° A 53'33 | |
| asc. node | -12461 Sep 05 j 09:34 | 2° B 37'57 | | | -12458 Feb 19 j 22:20 | 0° Z | |
| | -12461 Sep 29 j 08:38 | 0° II | | | -12458 Mar 16 j 19:33 | 0° \approx | |
| | -12461 Oct 24 j 20:13 | 0° S | | | -12458 Apr 11 j 01:30 | 0° H | |
| | -12461 Nov 19 j 02:04 | 0° Q | | | -12458 May 06 j 21:50 | 0° Y | |
| | -12461 Dec 14 j 05:37 | 0° M | | | -12458 Jun 03 j 02:01 | 0° B | |
| desc. node | -12461 Dec 27 j 21:28 | 16° M 22'00 | | evening max el | -12458 Jun 11 j 05:21 | 8° B 25'02 | 47°51'51 |
| | -12460 Jan 08 j 05:30 | 0° A | | desc. node | -12458 Jun 13 j 16:23 | 10° B 52'59 | |
| | -12460 Feb 01 j 23:19 | 0° M | | | -12458 Jul 04 j 23:41 | 0° II | |
| morning set | -12460 Feb 17 j 22:23 | 19° M 32'47 | | greatest brilliancy | -12458 Jul 23 j 00:34 | 10° II 31'25 | -4.9m |
| | -12460 Feb 26 j 10:03 | 0° A | | retrograde | -12458 Aug 01 j 10:19 | 12° II 14'45 | |
| max. Earth dist. | -12460 Mar 19 j 06:13 | 27° A 04'23 | 1.72512 AU | evening set | -12458 Aug 18 j 19:17 | 6° II 15'43 | |
| | -12460 Mar 21 j 14:39 | 0° Z | | min. Earth dist. | -12458 Aug 21 j 14:11 | 4° II 31'37 | 0.27133 AU |
| | | | | inferior conj | -12458 Aug 22 j 05:47 | 4° II 07'02 | -8°01'08 |
| superior conj | -12460 Mar 23 j 20:35 | 2° Z 47'58 | -0°51'00 | minimum elong | -12458 Aug 22 j 13:05 | 3° II 55'32 | 7°59'34 |
| minimum elong | -12460 Mar 24 j 04:10 | 3° Z 11'35 | 0°51'29 | morning rise | -12458 Aug 26 j 07:09 | 1° II 36'57 | |
| | -12460 Apr 14 j 15:10 | 0° \approx | | | -12458 Aug 29 j 04:28 | 30° R B | |
| asc. node | -12460 Apr 16 j 17:52 | 2° \approx 38'44 | | direct | -12458 Sep 11 j 11:44 | 26° B 19'58 | |
| evening rise | -12460 Apr 28 j 16:58 | 17° \approx 37'58 | | greatest brilliancy | -12458 Sep 20 j 22:27 | 28° B 03'31 | -4.9m |
| | -12460 May 08 j 13:45 | 0° H | | | -12458 Sep 25 j 13:35 | 0° II | |
| | -12460 Jun 01 j 12:17 | 0° Y | | asc. node | -12458 Oct 02 j 21:20 | 4° II 12'13 | |
| | -12460 Jun 25 j 12:42 | 0° B | | morning max el | -12458 Oct 31 j 04:12 | 28° II 19'23 | 46°11'38 |
| | -12460 Jul 19 j 17:22 | 0° II | | | -12458 Nov 01 j 20:49 | 0° S | |
| desc. node | -12460 Aug 08 j 09:58 | 24° II 09'25 | | | -12458 Nov 30 j 06:26 | 0° Q | |
| | -12460 Aug 13 j 05:09 | 0° S | | | -12458 Dec 26 j 23:58 | 0° M | |
| | -12460 Sep 07 j 04:21 | 0° Q | | | -12457 Jan 21 j 22:44 | 0° A | |
| | -12460 Oct 03 j 00:29 | 0° M | | desc. node | -12457 Jan 24 j 11:25 | 2° A 57'44 | |
| | -12460 Oct 30 j 22:33 | 0° A | | | -12457 Feb 16 j 07:01 | 0° M | |
| evening max el | -12460 Nov 02 j 00:48 | 2° A 04'40 | 45°20'42 | | -12457 Mar 13 j 02:15 | 0° A | |
| asc. node | -12460 Nov 27 j 16:19 | 23° A 55'35 | | | -12457 Apr 06 j 10:28 | 0° Z | |
| | -12460 Dec 08 j 17:28 | 0° M | | morning set | -12457 Apr 25 j 13:03 | 23° Z 51'04 | |
| greatest brilliancy | -12460 Dec 09 j 11:39 | 0° M 18'15 | -4.7m | | -12457 Apr 30 j 10:41 | 0° \approx | |
| retrograde | -12460 Dec 20 j 17:16 | 2° M 36'43 | | asc. node | -12457 May 15 j 07:10 | 18° \approx 41'45 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|---------------------------|------------|---------------------|-----------------------|----------------------|------------|
| | -12457 May 24 j 06:08 | 0° H | | minimum elong | -12455 Nov 01 j 04:48 | 15° Ω 48'33 | 0°26'47 |
| max. Earth dist. | -12457 Jun 01 j 03:42 | 9° H 58'38 | 1.70892 AU | min. Earth dist. | -12455 Oct 31 j 18:15 | 16° Ω 05'43 | 0.28575 AU |
| | | | | morning rise | -12455 Nov 07 j 08:58 | 11° Ω 58'19 | |
| superior conj | -12457 Jun 01 j 21:02 | 10° H 53'23 | 0°39'20 | direct | -12455 Nov 22 j 10:06 | 7° Ω 27'46 | |
| minimum elong | -12457 Jun 01 j 13:08 | 10° H 28'25 | 0°38'44 | greatest brilliancy | -12455 Dec 01 j 09:43 | 8° Ω 57'45 | -4.7m |
| | -12457 Jun 16 j 23:50 | 0° Y | | | -12454 Jan 02 j 05:54 | 0° M | |
| | -12457 Jul 10 j 18:26 | 0° B | | morning max el | -12454 Jan 10 j 04:01 | 7° M 15'56 | 46°00'44 |
| evening rise | -12457 Jul 11 j 20:50 | 1° B 23'05 | | | -12454 Feb 01 j 17:27 | 0° Ω | |
| | -12457 Aug 03 j 16:10 | 0° II | | desc. node | -12454 Feb 21 j 00:54 | 21° Ω 01'49 | |
| | -12457 Aug 27 j 18:42 | 0° B | | | -12454 Mar 01 j 00:04 | 0° M | |
| desc. node | -12457 Sep 05 j 20:59 | 11° B 14'34 | | | -12454 Mar 26 j 19:31 | 0° H | |
| | -12457 Sep 21 j 03:05 | 0° Ω | | | -12454 Apr 20 j 16:46 | 0° B | |
| | -12457 Oct 15 j 18:34 | 0° M | | | -12454 May 14 j 23:18 | 0° \approx | |
| | -12457 Nov 09 j 20:41 | 0° Ω | | greatest brilliancy | -12454 Jun 07 j 11:38 | 29° \approx 30'52 | -3.9m |
| | -12457 Dec 05 j 18:55 | 0° M | | | -12454 Jun 07 j 20:52 | 0° H | |
| asc. node | -12457 Dec 26 j 01:54 | 22° M 12'55 | | asc. node | -12454 Jun 11 j 20:58 | 5° H 03'17 | |
| | -12456 Jan 02 j 14:09 | 0° H | | | -12454 Jul 01 j 14:09 | 0° Y | |
| evening max el | -12456 Jan 13 j 06:09 | 10° H 29'36 | 44°52'16 | morning set | -12454 Jul 06 j 21:30 | 6° Y 43'19 | |
| | -12456 Feb 05 j 21:43 | 0° B | | | -12454 Jul 25 j 07:01 | 0° B | |
| greatest brilliancy | -12456 Feb 20 j 04:59 | 7° B 22'51 | -4.7m | | | | |
| retrograde | -12456 Mar 01 j 05:55 | 9° B 08'26 | | superior conj | -12454 Aug 17 j 18:34 | 29° B 34'49 | 1°19'22 |
| evening set | -12456 Mar 17 j 09:09 | 4° B 21'30 | | minimum elong | -12454 Aug 18 j 01:17 | 29° B 55'51 | 1°19'56 |
| inferior conj | -12456 Mar 22 j 09:49 | 1° B 25'47 | 5°38'58 | | -12454 Aug 18 j 02:36 | 0° II | |
| minimum elong | -12456 Mar 22 j 19:14 | 1° B 11'38 | 5°36'13 | max. Earth dist. | -12454 Aug 25 j 10:34 | 9° II 11'16 | 1.71375 AU |
| min. Earth dist. | -12456 Mar 23 j 17:37 | 0° B 38'01 | 0.28008 AU | | -12454 Sep 11 j 02:47 | 0° B | |
| | -12456 Mar 24 j 19:07 | 30° R H | | evening rise | -12454 Sep 30 j 06:54 | 23° B 46'08 | |
| morning rise | -12456 Mar 28 j 04:31 | 28° H 03'39 | | desc. node | -12454 Oct 03 j 09:02 | 27° B 35'08 | |
| direct | -12456 Apr 13 j 00:41 | 23° H 22'59 | | | -12454 Oct 05 j 07:57 | 0° Ω | |
| desc. node | -12456 Apr 17 j 22:25 | 23° H 50'14 | | | -12454 Oct 29 j 17:19 | 0° M | |
| greatest brilliancy | -12456 Apr 24 j 18:27 | 25° H 51'45 | -4.8m | | -12454 Nov 23 j 06:19 | 0° Ω | |
| | -12456 May 02 j 21:23 | 0° B | | | -12454 Dec 18 j 00:22 | 0° M | |
| morning max el | -12456 Jun 02 j 08:48 | 25° B 37'02 | 46°37'13 | | -12453 Jan 12 j 03:47 | 0° H | |
| | -12456 Jun 06 j 15:51 | 0° \approx | | asc. node | -12453 Jan 22 j 11:55 | 12° H 07'21 | |
| | -12456 Jul 03 j 19:47 | 0° H | | | -12453 Feb 07 j 00:08 | 0° B | |
| | -12456 Jul 29 j 02:18 | 0° Y | | | -12453 Mar 06 j 03:16 | 0° \approx | |
| asc. node | -12456 Aug 06 j 22:51 | 10° Y 45'53 | | evening max el | -12453 Mar 27 j 09:04 | 21° \approx 39'15 | 46°14'37 |
| | -12456 Aug 22 j 15:21 | 0° B | | | -12453 Apr 05 j 08:38 | 0° H | |
| | -12456 Sep 15 j 23:13 | 0° II | | greatest brilliancy | -12453 May 06 j 11:41 | 20° H 50'45 | -4.9m |
| | -12456 Oct 10 j 08:18 | 0° B | | retrograde | -12453 May 16 j 03:50 | 22° H 33'17 | |
| | -12456 Nov 03 j 20:50 | 0° Ω | | desc. node | -12453 May 16 j 08:51 | 22° H 33'13 | |
| desc. node | -12456 Nov 28 j 09:31 | 29° Ω 53'02 | | evening set | -12453 May 30 j 23:34 | 18° H 24'08 | |
| | -12456 Nov 28 j 11:48 | 0° M | | inferior conj | -12453 Jun 05 j 22:41 | 15° H 00'49 | -4°49'28 |
| morning set | -12456 Dec 08 j 17:32 | 12° M 28'12 | | minimum elong | -12453 Jun 05 j 13:18 | 15° H 14'43 | 4°47'15 |
| | -12456 Dec 23 j 02:27 | 0° Ω | | min. Earth dist. | -12453 Jun 05 j 14:06 | 15° H 13'31 | 0.26345 AU |
| max. Earth dist. | -12455 Jan 11 j 13:52 | 23° Ω 50'13 | 1.73776 AU | morning rise | -12453 Jun 11 j 02:47 | 12° H 02'24 | |
| | | | | direct | -12453 Jun 26 j 07:06 | 7° H 34'34 | |
| superior conj | -12455 Jan 14 j 22:18 | 27° Ω 56'59 | -1°18'00 | greatest brilliancy | -12453 Jul 07 j 00:57 | 9° H 43'49 | -4.9m |
| minimum elong | -12455 Jan 14 j 18:31 | 27° Ω 45'22 | 1°18'19 | | -12453 Aug 04 j 19:03 | 0° Y | |
| | -12455 Jan 16 j 14:22 | 0° M | | morning max el | -12453 Aug 15 j 19:44 | 10° Y 46'18 | 46°35'05 |
| | -12455 Feb 09 j 22:59 | 0° H | | | -12453 Sep 02 j 18:44 | 0° B | |
| evening rise | -12455 Feb 18 j 23:10 | 11° H 07'34 | | asc. node | -12453 Sep 04 j 11:50 | 1° B 54'24 | |
| | -12455 Mar 06 j 05:29 | 0° B | | | -12453 Sep 28 j 23:28 | 0° II | |
| asc. node | -12455 Mar 19 j 07:41 | 16° B 11'28 | | | -12453 Oct 24 j 09:25 | 0° B | |
| | -12455 Mar 30 j 11:44 | 0° \approx | | | -12453 Nov 18 j 14:18 | 0° Ω | |
| | -12455 Apr 23 j 19:19 | 0° H | | | -12453 Dec 13 j 17:14 | 0° M | |
| | -12455 May 18 j 05:43 | 0° Y | | desc. node | -12453 Dec 26 j 23:34 | 15° M 54'14 | |
| | -12455 Jun 11 j 21:32 | 0° B | | | -12452 Jan 07 j 16:41 | 0° Ω | |
| | -12455 Jul 07 j 00:22 | 0° II | | | -12452 Feb 01 j 10:15 | 0° M | |
| desc. node | -12455 Jul 11 j 02:03 | 4° II 46'32 | | morning set | -12452 Feb 15 j 17:45 | 17° M 31'27 | |
| | -12455 Aug 02 j 03:01 | 0° B | | | -12452 Feb 25 j 20:52 | 0° H | |
| evening max el | -12455 Aug 21 j 07:36 | 20° B 32'50 | 47°09'59 | max. Earth dist. | -12452 Mar 17 j 02:52 | 25° H 05'39 | 1.72572 AU |
| | -12455 Aug 30 j 22:19 | 0° Ω | | | -12452 Mar 21 j 01:28 | 0° B | |
| greatest brilliancy | -12455 Sep 30 j 09:58 | 22° Ω 00'11 | -4.8m | | | | |
| retrograde | -12455 Oct 11 j 03:42 | 24° Ω 12'27 | | superior conj | -12452 Mar 21 j 15:54 | 0° B 44'56 | -0°53'15 |
| evening set | -12455 Oct 26 j 01:27 | 19° Ω 38'57 | | minimum elong | -12452 Mar 21 j 23:33 | 1° B 08'45 | 0°53'45 |
| asc. node | -12455 Oct 30 j 08:20 | 17° Ω 00'43 | | | -12452 Apr 14 j 02:06 | 0° \approx | |
| inferior conj | -12455 Nov 01 j 05:43 | 15° Ω 47'03 | 0°26'30 | asc. node | -12452 Apr 15 j 20:06 | 2° \approx 11'27 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|---------------------------------|------------|---------------------|-----------------------|---------------------------------|------------|
| evening rise | -12452 Apr 26 j 10:16 | 15° \approx 27'18 | | greatest brilliancy | -12450 Sep 18 j 11:30 | 25° \mathcal{B} 38'34 | -4.9m |
| | -12452 May 08 j 00:52 | 0° \mathcal{H} | | | -12450 Sep 27 j 13:29 | 0° Π | |
| | -12452 May 31 j 23:39 | 0° Υ | | asc. node | -12450 Oct 01 j 23:39 | 2° Π 50'15 | |
| | -12452 Jun 25 j 00:23 | 0° \mathcal{B} | | morning max el | -12450 Oct 28 j 19:24 | 26° Π 01'59 | 46°12'23 |
| | -12452 Jul 19 j 05:25 | 0° Π | | | -12450 Nov 01 j 18:39 | 0° \mathcal{E} | |
| desc. node | -12452 Aug 07 j 12:18 | 23° Π 38'40 | | | -12450 Nov 29 j 22:17 | 0° Ω | |
| | -12452 Aug 12 j 17:42 | 0° \mathcal{E} | | | -12450 Dec 26 j 13:26 | 0° \mathcal{M} | |
| | -12452 Sep 06 j 17:46 | 0° Ω | | | -12449 Jan 21 j 10:58 | 0° \mathcal{A} | |
| | -12452 Oct 02 j 15:45 | 0° \mathcal{M} | | desc. node | -12449 Jan 23 j 13:40 | 2° \mathcal{A} 28'42 | |
| evening max el | -12452 Oct 30 j 17:10 | 29° \mathcal{M} 54'30 | 45°23'42 | | -12449 Feb 15 j 18:33 | 0° \mathcal{M} | |
| | -12452 Oct 30 j 19:24 | 0° \mathcal{A} | | | -12449 Mar 12 j 13:24 | 0° \mathcal{A} | |
| asc. node | -12452 Nov 26 j 18:27 | 22° \mathcal{A} 43'51 | | | -12449 Apr 05 j 21:27 | 0° \mathcal{B} | |
| greatest brilliancy | -12452 Dec 07 j 03:43 | 28° \mathcal{A} 11'53 | -4.7m | morning set | -12449 Apr 23 j 06:52 | 21° \mathcal{B} 42'13 | |
| | -12452 Dec 13 j 04:17 | 0° \mathcal{M} | | | -12449 Apr 29 j 21:38 | 0° \approx | |
| retrograde | -12452 Dec 18 j 11:23 | 0° \mathcal{M} 32'19 | | asc. node | -12449 May 14 j 09:15 | 18° \approx 13'37 | |
| | -12452 Dec 23 j 15:17 | 30° \mathcal{R} \mathcal{A} | | | -12449 May 23 j 17:10 | 0° \mathcal{H} | |
| evening set | -12451 Jan 04 j 08:03 | 25° \mathcal{A} 03'44 | | max. Earth dist. | -12449 May 29 j 08:25 | 7° \mathcal{H} 07'02 | 1.70928 AU |
| inferior conj | -12451 Jan 08 j 21:15 | 22° \mathcal{A} 14'56 | 7°32'06 | | | | |
| minimum elong | -12451 Jan 08 j 14:59 | 22° \mathcal{A} 24'50 | 7°31'11 | superior conj | -12449 May 30 j 11:15 | 8° \mathcal{H} 31'46 | 0°36'13 |
| min. Earth dist. | -12451 Jan 09 j 04:56 | 22° \mathcal{A} 02'45 | 0.29568 AU | minimum elong | -12449 May 30 j 03:55 | 8° \mathcal{H} 08'36 | 0°35'36 |
| morning rise | -12451 Jan 12 j 21:50 | 19° \mathcal{A} 44'12 | | | -12449 Jun 16 j 10:59 | 0° Υ | |
| direct | -12451 Jan 30 j 20:51 | 13° \mathcal{A} 41'15 | | evening rise | -12449 Jul 09 j 06:20 | 28° Υ 46'27 | |
| greatest brilliancy | -12451 Feb 09 j 21:06 | 15° \mathcal{A} 28'37 | -4.7m | | -12449 Jul 10 j 05:41 | 0° \mathcal{B} | |
| | -12451 Mar 05 j 16:51 | 0° \mathcal{M} | | | -12449 Aug 03 j 03:32 | 0° Π | |
| desc. node | -12451 Mar 20 j 13:15 | 13° \mathcal{M} 12'09 | | | -12449 Aug 27 j 06:12 | 0° \mathcal{E} | |
| morning max el | -12451 Mar 21 j 03:42 | 13° \mathcal{M} 46'46 | 46°14'50 | desc. node | -12449 Sep 04 j 23:15 | 10° \mathcal{E} 45'48 | |
| | -12451 Apr 06 j 03:59 | 0° \mathcal{A} | | | -12449 Sep 20 j 14:49 | 0° Ω | |
| | -12451 May 03 j 03:08 | 0° \mathcal{B} | | | -12449 Oct 15 j 06:42 | 0° \mathcal{M} | |
| | -12451 May 28 j 09:47 | 0° \approx | | | -12449 Nov 09 j 09:38 | 0° \mathcal{A} | |
| | -12451 Jun 21 j 19:49 | 0° \mathcal{H} | | | -12449 Dec 05 j 09:38 | 0° \mathcal{M} | |
| asc. node | -12451 Jul 09 j 11:11 | 22° \mathcal{H} 02'04 | | asc. node | -12449 Dec 25 j 04:20 | 21° \mathcal{M} 33'03 | |
| | -12451 Jul 15 j 19:29 | 0° Υ | | | -12448 Jan 02 j 09:40 | 0° \mathcal{A} | |
| | -12451 Aug 08 j 15:39 | 0° \mathcal{B} | | evening max el | -12448 Jan 10 j 20:42 | 8° \mathcal{A} 16'10 | 44°51'18 |
| | -12451 Sep 01 j 13:10 | 0° Π | | | -12448 Feb 06 j 23:52 | 0° \mathcal{B} | |
| morning set | -12451 Sep 23 j 03:06 | 26° Π 54'25 | | greatest brilliancy | -12448 Feb 17 j 19:02 | 5° \mathcal{B} 09'58 | -4.7m |
| | -12451 Sep 25 j 14:54 | 0° \mathcal{E} | | retrograde | -12448 Feb 27 j 19:23 | 6° \mathcal{B} 55'26 | |
| | -12451 Oct 19 j 21:23 | 0° Ω | | evening set | -12448 Mar 15 j 02:12 | 2° \mathcal{B} 04'27 | |
| desc. node | -12451 Oct 30 j 21:53 | 13° Ω 33'36 | | | -12448 Mar 18 j 16:20 | 30° \mathcal{R} \mathcal{A} | |
| | | | | inferior conj | -12448 Mar 20 j 00:25 | 29° \mathcal{A} 11'48 | 5°53'08 |
| superior conj | -12451 Nov 03 j 18:43 | 18° Ω 18'47 | -0°08'42 | minimum elong | -12448 Mar 20 j 09:50 | 28° \mathcal{A} 57'37 | 5°50'29 |
| minimum elong | -12451 Nov 03 j 16:45 | 18° Ω 12'44 | 0°08'04 | min. Earth dist. | -12448 Mar 21 j 08:43 | 28° \mathcal{A} 23'09 | 0.28090 AU |
| behind sun begin | -12451 Nov 02 j 18:31 | 17° Ω 04'26 | | morning rise | -12448 Mar 25 j 16:37 | 25° \mathcal{A} 52'21 | |
| behind sun end | -12451 Nov 04 j 14:59 | 19° Ω 21'01 | | direct | -12448 Apr 10 j 15:52 | 21° \mathcal{A} 07'22 | |
| max. Earth dist. | -12451 Nov 06 j 01:56 | 21° Ω 08'19 | 1.73299 AU | desc. node | -12448 Apr 17 j 00:32 | 21° \mathcal{A} 52'31 | |
| | -12451 Nov 13 j 07:13 | 0° \mathcal{M} | | greatest brilliancy | -12448 Apr 22 j 09:30 | 23° \mathcal{A} 35'15 | -4.8m |
| | -12451 Dec 07 j 18:21 | 0° \mathcal{A} | | | -12448 May 04 j 01:55 | 0° \mathcal{B} | |
| evening rise | -12451 Dec 12 j 11:33 | 5° \mathcal{A} 46'54 | | morning max el | -12448 May 30 j 22:18 | 23° \mathcal{B} 13'42 | 46°36'36 |
| | -12450 Jan 01 j 05:42 | 0° \mathcal{M} | | | -12448 Jun 06 j 12:33 | 0° \approx | |
| | -12450 Jan 25 j 18:09 | 0° \mathcal{A} | | | -12448 Jul 03 j 11:31 | 0° \mathcal{H} | |
| asc. node | -12450 Feb 18 j 22:34 | 29° \mathcal{A} 25'21 | | | -12448 Jul 28 j 16:06 | 0° Υ | |
| | -12450 Feb 19 j 10:00 | 0° \mathcal{B} | | asc. node | -12448 Aug 06 j 01:06 | 10° Υ 11'58 | |
| | -12450 Mar 16 j 08:02 | 0° \approx | | | -12448 Aug 22 j 04:08 | 0° \mathcal{B} | |
| | -12450 Apr 10 j 15:15 | 0° \mathcal{H} | | | -12448 Sep 15 j 11:23 | 0° Π | |
| | -12450 May 06 j 13:48 | 0° Υ | | | -12448 Oct 09 j 20:02 | 0° \mathcal{E} | |
| | -12450 Jun 02 j 22:53 | 0° \mathcal{B} | | | -12448 Nov 03 j 08:15 | 0° Ω | |
| evening max el | -12450 Jun 08 j 21:05 | 6° \mathcal{B} 05'05 | 47°50'33 | desc. node | -12448 Nov 27 j 11:36 | 29° Ω 25'22 | |
| desc. node | -12450 Jun 12 j 18:39 | 9° \mathcal{B} 58'08 | | | -12448 Nov 27 j 22:58 | 0° \mathcal{M} | |
| | -12450 Jul 05 j 20:26 | 0° Π | | morning set | -12448 Dec 06 j 09:09 | 10° \mathcal{M} 15'49 | |
| greatest brilliancy | -12450 Jul 20 j 14:05 | 8° Π 04'15 | -4.9m | | -12448 Dec 22 j 13:26 | 0° \mathcal{A} | |
| retrograde | -12450 Jul 30 j 00:45 | 9° Π 47'50 | | max. Earth dist. | -12447 Jan 09 j 09:36 | 21° \mathcal{A} 50'10 | 1.73788 AU |
| evening set | -12450 Aug 16 j 11:19 | 3° Π 45'57 | | | | | |
| min. Earth dist. | -12450 Aug 19 j 03:00 | 2° Π 06'55 | 0.27090 AU | superior conj | -12447 Jan 12 j 17:23 | 25° \mathcal{A} 54'49 | -1°17'16 |
| inferior conj | -12450 Aug 19 j 19:27 | 1° Π 41'02 | -8°09'57 | minimum elong | -12447 Jan 12 j 13:04 | 25° \mathcal{A} 41'37 | 1°17'31 |
| minimum elong | -12450 Aug 20 j 02:11 | 1° Π 30'27 | 8°08'32 | | -12447 Jan 16 j 01:15 | 0° \mathcal{M} | |
| | -12450 Aug 22 j 12:23 | 30° \mathcal{R} \mathcal{B} | | | -12447 Feb 09 j 09:52 | 0° \mathcal{A} | |
| morning rise | -12450 Aug 23 j 17:19 | 29° \mathcal{B} 16'31 | | evening rise | -12447 Feb 16 j 19:19 | 9° \mathcal{A} 07'46 | |
| direct | -12450 Sep 09 j 01:36 | 23° \mathcal{B} 55'20 | | | -12447 Mar 05 j 16:31 | 0° \mathcal{B} | |

| | | | | | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|--|--|---------------------|-----------------------|-----------|-----------------------|-----|--|--|--|
| asc. node | -12447 Mar 18 j 09:59 | 15°♊44'00 | | | | | | | -12445 Sep 02 j 12:48 | 0°♋ | | | |
| | -12447 Mar 29 j 23:05 | 0°♌ | | | | asc. node | -12445 Sep 03 j 14:04 | 1°♌10'46 | | | | | |
| | -12447 Apr 23 j 07:08 | 0°♍ | | | | | -12445 Sep 28 j 14:24 | 0°♎ | | | | | |
| | -12447 May 17 j 18:09 | 0°♏ | | | | | -12445 Oct 23 j 22:51 | 0°♐ | | | | | |
| | -12447 Jun 11 j 10:49 | 0°♑ | | | | | -12445 Nov 18 j 02:50 | 0°♒ | | | | | |
| | -12447 Jul 06 j 15:00 | 0°♓ | | | | | -12445 Dec 13 j 05:08 | 0°♔ | | | | | |
| desc. node | -12447 Jul 10 j 04:25 | 4°♓09'51 | | | | desc. node | -12445 Dec 26 j 01:51 | 15°♔26'02 | | | | | |
| | -12447 Aug 01 j 20:27 | 0°♈ | | | | | -12444 Jan 07 j 04:10 | 0°♎ | | | | | |
| evening max el | -12447 Aug 18 j 22:17 | 18°♏12'33 | 47°13'24 | | | | -12444 Jan 31 j 21:27 | 0°♍ | | | | | |
| | -12447 Aug 31 j 00:53 | 0°♎ | | | | morning set | -12444 Feb 13 j 12:54 | 15°♍28'39 | | | | | |
| greatest brilliancy | -12447 Sep 28 j 04:54 | 19°♎48'46 | -4.8m | | | | -12444 Feb 25 j 07:58 | 0°♐ | | | | | |
| retrograde | -12447 Oct 08 j 20:12 | 21°♎59'17 | | | | max. Earth dist. | -12444 Mar 14 j 22:56 | 23°♐04'14 | 1.72629 AU | | | | |
| evening set | -12447 Oct 23 j 18:54 | 17°♎25'00 | | | | | | | | | | | |
| asc. node | -12447 Oct 29 j 10:28 | 13°♎53'54 | | | | superior conj | -12444 Mar 19 j 11:15 | 28°♐41'08 | -0°55'26 | | | | |
| inferior conj | -12447 Oct 29 j 22:32 | 13°♎34'16 | 0°07'03 | | | minimum elong | -12444 Mar 19 j 18:56 | 29°♐05'04 | 0°55'56 | | | | |
| minimum elong | -12447 Oct 29 j 22:16 | 13°♎34'41 | 0°07'32 | | | | -12444 Mar 20 j 12:35 | 0°♑ | | | | | |
| transit middle | -12447 Oct 29 j 22:16 | 13°♎34'41 | 0°07'32 | | | | -12444 Apr 13 j 13:19 | 0°♒ | | | | | |
| transit begin | -12447 Oct 29 j 18:43 | 13°♎40'28 | | | | asc. node | -12444 Apr 14 j 22:15 | 1°♒43'01 | | | | | |
| transit end | -12447 Oct 30 j 01:49 | 13°♎28'55 | | | | evening rise | -12444 Apr 24 j 03:51 | 13°♒16'38 | | | | | |
| min. Earth dist. | -12447 Oct 29 j 11:24 | 13°♎52'23 | 0.28521 AU | | | | -12444 May 07 j 12:15 | 0°♈ | | | | | |
| morning rise | -12447 Nov 05 j 02:23 | 9°♎44'26 | | | | | -12444 May 31 j 11:15 | 0°♏ | | | | | |
| direct | -12447 Nov 20 j 01:30 | 5°♎15'47 | | | | | -12444 Jun 24 j 12:17 | 0°♑ | | | | | |
| greatest brilliancy | -12447 Nov 29 j 02:25 | 6°♎46'40 | -4.7m | | | | -12444 Jul 18 j 17:42 | 0°♒ | | | | | |
| | -12446 Jan 02 j 07:58 | 0°♓ | | | | desc. node | -12444 Aug 06 j 14:32 | 23°♒06'57 | | | | | |
| morning max el | -12446 Jan 07 j 19:19 | 5°♓04'27 | 46°00'44 | | | | -12444 Aug 12 j 06:31 | 0°♏ | | | | | |
| | -12446 Feb 01 j 10:14 | 0°♎ | | | | | -12444 Sep 06 j 07:33 | 0°♎ | | | | | |
| desc. node | -12446 Feb 20 j 03:02 | 20°♎27'15 | | | | | -12444 Oct 02 j 07:39 | 0°♓ | | | | | |
| | -12446 Feb 28 j 13:56 | 0°♍ | | | | evening max el | -12444 Oct 28 j 10:00 | 27°♓43'59 | 45°26'40 | | | | |
| | -12446 Mar 26 j 08:03 | 0°♐ | | | | | -12444 Oct 30 j 17:37 | 0°♎ | | | | | |
| | -12446 Apr 20 j 04:37 | 0°♑ | | | | asc. node | -12444 Nov 25 j 20:54 | 21°♎28'46 | | | | | |
| | -12446 May 14 j 10:49 | 0°♒ | | | | greatest brilliancy | -12444 Dec 04 j 20:18 | 26°♎04'17 | -4.7m | | | | |
| | -12446 Jun 07 j 08:15 | 0°♈ | | | | retrograde | -12444 Dec 16 j 05:16 | 28°♎25'41 | | | | | |
| greatest brilliancy | -12446 Jun 07 j 09:30 | 0°♈03'58 | -3.9m | | | evening set | -12443 Jan 01 j 23:03 | 23°♎00'07 | | | | | |
| asc. node | -12446 Jun 10 j 23:14 | 4°♈34'37 | | | | inferior conj | -12443 Jan 06 j 14:32 | 20°♎07'26 | 7°25'04 | | | | |
| | -12446 Jul 01 j 01:29 | 0°♏ | | | | minimum elong | -12443 Jan 06 j 07:51 | 20°♎18'03 | 7°24'04 | | | | |
| morning set | -12446 Jul 04 j 08:29 | 4°♏10'09 | | | | min. Earth dist. | -12443 Jan 06 j 20:34 | 19°♎57'52 | 0.29570 AU | | | | |
| | -12446 Jul 24 j 18:22 | 0°♑ | | | | morning rise | -12443 Jan 10 j 16:37 | 17°♎34'18 | | | | | |
| | | | | | | direct | -12443 Jan 28 j 14:24 | 11°♎33'46 | | | | | |
| superior conj | -12446 Aug 15 j 02:47 | 26°♑54'17 | 1°20'27 | | | greatest brilliancy | -12443 Feb 07 j 11:45 | 13°♎19'04 | -4.7m | | | | |
| minimum elong | -12446 Aug 15 j 08:30 | 27°♑12'13 | 1°21'01 | | | | -12443 Mar 05 j 23:49 | 0°♍ | | | | | |
| | -12446 Aug 17 j 13:58 | 0°♒ | | | | morning max el | -12443 Mar 18 j 20:39 | 11°♍38'06 | 46°13'57 | | | | |
| max. Earth dist. | -12446 Aug 22 j 13:00 | 6°♒13'05 | 1.71313 AU | | | desc. node | -12443 Mar 19 j 15:23 | 12°♍23'10 | | | | | |
| | -12446 Sep 10 j 14:10 | 0°♏ | | | | | -12443 Apr 05 j 21:55 | 0°♐ | | | | | |
| evening rise | -12446 Sep 27 j 15:40 | 21°♏09'45 | | | | | -12443 May 02 j 17:44 | 0°♑ | | | | | |
| desc. node | -12446 Oct 02 j 11:08 | 27°♏06'30 | | | | | -12443 May 27 j 22:57 | 0°♒ | | | | | |
| | -12446 Oct 04 j 19:20 | 0°♎ | | | | | -12443 Jun 21 j 08:14 | 0°♈ | | | | | |
| | -12446 Oct 29 j 04:44 | 0°♓ | | | | asc. node | -12443 Jul 08 j 13:27 | 21°♈31'10 | | | | | |
| | -12446 Nov 22 j 17:55 | 0°♎ | | | | | -12443 Jul 15 j 07:29 | 0°♏ | | | | | |
| | -12446 Dec 17 j 12:24 | 0°♍ | | | | | -12443 Aug 08 j 03:24 | 0°♑ | | | | | |
| | -12445 Jan 11 j 16:42 | 0°♐ | | | | | -12443 Sep 01 j 00:45 | 0°♒ | | | | | |
| asc. node | -12445 Jan 21 j 14:18 | 11°♐35'08 | | | | morning set | -12443 Sep 20 j 13:29 | 24°♒21'56 | | | | | |
| | -12445 Feb 06 j 14:47 | 0°♓ | | | | | -12443 Sep 25 j 02:21 | 0°♏ | | | | | |
| | -12445 Mar 05 j 21:39 | 0°♌ | | | | | -12443 Oct 19 j 08:43 | 0°♎ | | | | | |
| evening max el | -12445 Mar 24 j 21:35 | 19°♌15'09 | 46°10'48 | | | desc. node | -12443 Oct 30 j 00:03 | 13°♎05'28 | | | | | |
| | -12445 Apr 05 j 15:17 | 0°♍ | | | | | | | | | | | |
| greatest brilliancy | -12445 May 03 j 22:30 | 18°♍20'39 | -4.9m | | | superior conj | -12443 Nov 01 j 07:26 | 15°♎55'43 | -0°05'13 | | | | |
| retrograde | -12445 May 13 j 15:35 | 20°♍03'58 | | | | minimum elong | -12443 Nov 01 j 06:18 | 15°♎52'12 | 0°04'37 | | | | |
| desc. node | -12445 May 15 j 11:06 | 20°♍00'06 | | | | behind sun begin | -12443 Oct 31 j 05:37 | 14°♎36'22 | | | | | |
| evening set | -12445 May 28 j 08:47 | 15°♍57'41 | | | | behind sun end | -12443 Nov 02 j 06:59 | 17°♎08'02 | | | | | |
| inferior conj | -12445 Jun 03 j 10:17 | 12°♍31'50 | -4°28'57 | | | max. Earth dist. | -12443 Nov 03 j 22:13 | 19°♎08'32 | 1.73255 AU | | | | |
| minimum elong | -12445 Jun 03 j 01:18 | 12°♍45'06 | 4°26'47 | | | | -12443 Nov 12 j 18:29 | 0°♓ | | | | | |
| min. Earth dist. | -12445 Jun 03 j 03:03 | 12°♍42'32 | 0.26358 AU | | | | -12443 Dec 07 j 05:36 | 0°♎ | | | | | |
| morning rise | -12445 Jun 08 j 17:34 | 9°♍29'41 | | | | evening rise | -12443 Dec 10 j 04:55 | 3°♎38'35 | | | | | |
| direct | -12445 Jun 23 j 19:27 | 5°♍05'03 | | | | | -12443 Dec 31 j 17:03 | 0°♍ | | | | | |
| greatest brilliancy | -12445 Jul 04 j 15:07 | 7°♍16'20 | -4.9m | | | | -12442 Jan 25 j 05:45 | 0°♐ | | | | | |
| | -12445 Aug 04 j 23:16 | 0°♏ | | | | asc. node | -12442 Feb 18 j 00:51 | 28°♐55'40 | | | | | |
| morning max el | -12445 Aug 13 j 09:06 | 8°♏18'40 | 46°35'37 | | | | -12442 Feb 18 j 22:07 | 0°♑ | | | | | |




































































































































Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|--|-----------------------|-----------|------------|--|
| | -12442 Mar 15 j 20:59 | 0°≈ | | | | -12440 Aug 21 j 17:04 | 0°♄ | | |
| | -12442 Apr 10 j 05:33 | 0°♄ | | | | -12440 Sep 14 j 23:42 | 0°♄ | | |
| | -12442 May 06 j 06:27 | 0°♄ | | | | -12440 Oct 09 j 07:54 | 0°♄ | | |
| | -12442 Jun 02 j 20:55 | 0°♄ | | | | -12440 Nov 02 j 19:47 | 0°♄ | | |
| evening max el | -12442 Jun 06 j 12:50 | 3°♄44'07 | 47°49'06 | desc. node | | -12440 Nov 26 j 13:54 | 28°♄57'59 | | |
| desc. node | -12442 Jun 11 j 21:05 | 9°♄01'30 | | | | -12440 Nov 27 j 10:15 | 0°♄ | | |
| | -12442 Jul 07 j 01:11 | 0°♄ | | morning set | | -12440 Dec 04 j 00:56 | 8°♄03'32 | | |
| greatest brilliancy | -12442 Jul 18 j 03:54 | 5°♄36'41 | -4.9m | | | -12440 Dec 22 j 00:32 | 0°♄ | | |
| retrograde | -12442 Jul 27 j 14:54 | 7°♄20'00 | | max. Earth dist. | | -12439 Jan 07 j 05:48 | 19°♄51'11 | 1.73805 AU | |
| evening set | -12442 Aug 14 j 03:16 | 1°♄15'54 | | | | | | | |
| | -12442 Aug 16 j 04:10 | 30°♄ | | superior conj | | -12439 Jan 10 j 12:36 | 23°♄52'44 | -1°16'25 | |
| min. Earth dist. | -12442 Aug 16 j 16:00 | 29°♄41'26 | 0.27042 AU | minimum elong | | -12439 Jan 10 j 07:47 | 23°♄37'57 | 1°16'38 | |
| inferior conj | -12442 Aug 17 j 09:09 | 29°♄14'27 | -8°17'57 | | | -12439 Jan 15 j 12:16 | 0°♄ | | |
| minimum elong | -12442 Aug 17 j 15:16 | 29°♄04'50 | 8°16'42 | | | -12439 Feb 08 j 20:56 | 0°♄ | | |
| morning rise | -12442 Aug 21 j 03:34 | 26°♄55'15 | | evening rise | | -12439 Feb 14 j 15:33 | 7°♄07'42 | | |
| direct | -12442 Sep 06 j 15:24 | 21°♄30'21 | | | | -12439 Mar 05 j 03:47 | 0°♄ | | |
| greatest brilliancy | -12442 Sep 16 j 00:38 | 23°♄13'05 | -4.9m | asc. node | | -12439 Mar 17 j 12:08 | 15°♄15'22 | | |
| | -12442 Sep 28 j 21:52 | 0°♄ | | | | -12439 Mar 29 j 10:41 | 0°≈ | | |
| asc. node | -12442 Oct 01 j 01:48 | 1°♄30'12 | | | | -12439 Apr 22 j 19:12 | 0°♄ | | |
| morning max el | -12442 Oct 26 j 09:35 | 23°♄41'19 | 46°13'00 | | | -12439 May 17 j 06:49 | 0°♄ | | |
| | -12442 Nov 01 j 15:55 | 0°♄ | | | | -12439 Jun 11 j 00:20 | 0°♄ | | |
| | -12442 Nov 29 j 14:10 | 0°♄ | | | | -12439 Jul 06 j 05:57 | 0°♄ | | |
| | -12442 Dec 26 j 03:09 | 0°♄ | | desc. node | | -12439 Jul 09 j 06:37 | 3°♄32'00 | | |
| | -12441 Jan 20 j 23:32 | 0°♄ | | | | -12439 Aug 01 j 14:24 | 0°♄ | | |
| desc. node | -12441 Jan 22 j 15:44 | 1°♄58'02 | | evening max el | | -12439 Aug 16 j 13:03 | 15°♄52'06 | 47°16'51 | |
| | -12441 Feb 15 j 06:28 | 0°♄ | | | | -12439 Aug 31 j 05:12 | 0°♄ | | |
| | -12441 Mar 12 j 00:56 | 0°♄ | | greatest brilliancy | | -12439 Sep 25 j 23:34 | 17°♄36'40 | -4.8m | |
| | -12441 Apr 05 j 08:47 | 0°♄ | | retrograde | | -12439 Oct 06 j 13:06 | 19°♄46'09 | | |
| morning set | -12441 Apr 21 j 00:33 | 19°♄31'58 | | evening set | | -12439 Oct 21 j 12:34 | 15°♄10'38 | | |
| | -12441 Apr 29 j 08:55 | 0°≈ | | min. Earth dist. | | -12439 Oct 27 j 04:28 | 11°♄39'12 | 0.28465 AU | |
| asc. node | -12441 May 13 j 11:32 | 17°≈45'09 | | inferior conj | | -12439 Oct 27 j 15:26 | 11°♄21'23 | -0°12'34 | |
| | -12441 May 23 j 04:30 | 0°♄ | | minimum elong | | -12439 Oct 27 j 15:50 | 11°♄20'43 | 0°11'51 | |
| max. Earth dist. | -12441 May 26 j 13:51 | 4°♄16'47 | 1.70969 AU | transit middle | | -12439 Oct 27 j 15:50 | 11°♄20'43 | 0°11'51 | |
| | | | | transit begin | | -12439 Oct 27 j 13:04 | 11°♄25'13 | | |
| superior conj | -12441 May 28 j 01:32 | 6°♄09'28 | 0°33'03 | transit end | | -12439 Oct 27 j 18:37 | 11°♄16'12 | | |
| minimum elong | -12441 May 27 j 18:47 | 5°♄48'10 | 0°32'25 | asc. node | | -12439 Oct 28 j 12:53 | 10°♄46'34 | | |
| | -12441 Jun 15 j 22:26 | 0°♄ | | morning rise | | -12439 Nov 02 j 19:47 | 7°♄30'57 | | |
| evening rise | -12441 Jul 06 j 16:06 | 26°♄09'44 | | direct | | -12439 Nov 17 j 16:57 | 3°♄03'41 | | |
| | -12441 Jul 09 j 17:15 | 0°♄ | | greatest brilliancy | | -12439 Nov 26 j 19:04 | 4°♄35'39 | -4.7m | |
| | -12441 Aug 02 j 15:11 | 0°♄ | | | | -12438 Jan 02 j 08:40 | 0°♄ | | |
| | -12441 Aug 26 j 17:58 | 0°♄ | | morning max el | | -12438 Jan 05 j 11:20 | 2°♄54'50 | 46°00'50 | |
| desc. node | -12441 Sep 04 j 01:25 | 10°♄16'00 | | | | -12438 Feb 01 j 02:39 | 0°♄ | | |
| | -12441 Sep 20 j 02:47 | 0°♄ | | desc. node | | -12438 Feb 19 j 05:11 | 19°♄53'03 | | |
| | -12441 Oct 14 j 19:05 | 0°♄ | | | | -12438 Feb 28 j 03:40 | 0°♄ | | |
| | -12441 Nov 08 j 22:51 | 0°♄ | | | | -12438 Mar 25 j 20:34 | 0°♄ | | |
| | -12441 Dec 05 j 00:47 | 0°♄ | | | | -12438 Apr 19 j 16:32 | 0°♄ | | |
| asc. node | -12441 Dec 24 j 06:41 | 20°♄51'35 | | | | -12438 May 13 j 22:27 | 0°≈ | | |
| | -12440 Jan 02 j 06:10 | 0°♄ | | | | -12438 Jun 06 j 19:43 | 0°♄ | | |
| evening max el | -12440 Jan 08 j 10:28 | 5°♄59'51 | 44°50'17 | greatest brilliancy | | -12438 Jun 07 j 07:15 | 0°♄36'24 | -3.9m | |
| | -12440 Feb 08 j 13:57 | 0°♄ | | asc. node | | -12438 Jun 10 j 01:30 | 4°♄05'32 | | |
| greatest brilliancy | -12440 Feb 15 j 08:54 | 2°♄55'41 | -4.7m | | | -12438 Jun 30 j 12:53 | 0°♄ | | |
| retrograde | -12440 Feb 25 j 09:03 | 4°♄41'29 | | morning set | | -12438 Jul 01 j 19:34 | 1°♄37'12 | | |
| | -12440 Mar 12 j 09:03 | 30°♄ | | | | -12438 Jul 24 j 05:44 | 0°♄ | | |
| evening set | -12440 Mar 12 j 19:10 | 29°♄46'09 | | | | | | | |
| inferior conj | -12440 Mar 17 j 14:58 | 26°♄56'43 | 6°06'43 | superior conj | | -12438 Aug 12 j 10:58 | 24°♄13'28 | 1°21'21 | |
| minimum elong | -12440 Mar 18 j 00:18 | 26°♄42'37 | 6°04'11 | minimum elong | | -12438 Aug 12 j 15:37 | 24°♄28'02 | 1°21'55 | |
| min. Earth dist. | -12440 Mar 18 j 23:51 | 26°♄07'06 | 0.28174 AU | | | -12438 Aug 17 j 01:20 | 0°♄ | | |
| morning rise | -12440 Mar 23 j 04:35 | 23°♄40'19 | | max. Earth dist. | | -12438 Aug 19 j 15:38 | 3°♄15'22 | 1.71254 AU | |
| direct | -12440 Apr 08 j 06:39 | 18°♄50'29 | | | | -12438 Sep 10 j 01:33 | 0°♄ | | |
| desc. node | -12440 Apr 16 j 02:46 | 19°♄58'03 | | evening rise | | -12438 Sep 25 j 00:24 | 18°♄33'07 | | |
| greatest brilliancy | -12440 Apr 20 j 00:57 | 21°♄18'18 | -4.8m | desc. node | | -12438 Oct 01 j 13:21 | 26°♄38'12 | | |
| | -12440 May 04 j 23:22 | 0°♄ | | | | -12438 Oct 04 j 06:44 | 0°♄ | | |
| morning max el | -12440 May 28 j 11:59 | 20°♄50'01 | 46°36'06 | | | -12438 Oct 28 j 16:09 | 0°♄ | | |
| | -12440 Jun 06 j 08:56 | 0°≈ | | | | -12438 Nov 22 j 05:29 | 0°♄ | | |
| | -12440 Jul 03 j 03:18 | 0°♄ | | | | -12438 Dec 17 j 00:23 | 0°♄ | | |
| | -12440 Jul 28 j 06:01 | 0°♄ | | | | -12437 Jan 11 j 05:35 | 0°♄ | | |
| asc. node | -12440 Aug 05 j 03:13 | 9°♄37'07 | | asc. node | | -12437 Jan 20 j 16:34 | 11°♄02'51 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|----------------------|------------|---------------------|--|-----------------------|----------------------|------------|
| | -12437 Feb 06 j 05:27 | 0° Z | | | | -12435 Sep 24 j 13:37 | 0° G | |
| | -12437 Mar 05 j 16:22 | 0° \approx | | | | -12435 Oct 18 j 19:50 | 0° Ω | |
| evening max el | -12437 Mar 22 j 10:56 | 16° \approx 53'30 | 46°06'47 | desc. node | | -12435 Oct 29 j 02:20 | 12° Ω 38'25 | |
| | -12437 Apr 06 j 00:19 | 0° H | | | | | | |
| greatest brilliancy | -12437 May 01 j 08:52 | 15° H 50'03 | -4.8m | superior conj | | -12435 Oct 29 j 19:41 | 13° Ω 31'47 | -0°01'39 |
| retrograde | -12437 May 11 j 03:33 | 17° H 34'17 | | minimum elong | | -12435 Oct 29 j 19:25 | 13° Ω 30'57 | 0°01'05 |
| desc. node | -12437 May 14 j 13:30 | 17° H 20'30 | | behind sun begin | | -12435 Oct 28 j 17:50 | 12° Ω 12'17 | |
| evening set | -12437 May 25 j 18:08 | 13° H 30'47 | | behind sun end | | -12435 Oct 30 j 21:01 | 14° Ω 49'37 | |
| inferior conj | -12437 May 31 j 21:43 | 10° H 02'27 | -4°07'38 | max. Earth dist. | | -12435 Nov 01 j 19:42 | 17° Ω 13'04 | 1.73203 AU |
| minimum elong | -12437 May 31 j 13:14 | 10° H 14'56 | 4°05'35 | | | -12435 Nov 12 j 05:30 | 0° H | |
| min. Earth dist. | -12437 May 31 j 15:41 | 10° H 11'20 | 0.26376 AU | | | -12435 Dec 06 j 16:36 | 0° G | |
| morning rise | -12437 Jun 06 j 08:07 | 6° H 56'38 | | evening rise | | -12435 Dec 07 j 22:06 | 1° G 30'25 | |
| direct | -12437 Jun 21 j 08:12 | 2° H 35'15 | | | | -12435 Dec 31 j 04:08 | 0° H | |
| greatest brilliancy | -12437 Jul 02 j 04:39 | 4° H 47'46 | -4.9m | | | -12434 Jan 24 j 17:05 | 0° H | |
| | -12437 Aug 05 j 01:55 | 0° Y | | asc. node | | -12434 Feb 17 j 03:07 | 28° H 26'55 | |
| morning max el | -12437 Aug 10 j 22:41 | 5° Y 51'36 | 46°36'12 | | | -12434 Feb 18 j 09:55 | 0° Z | |
| | -12437 Sep 02 j 06:28 | 0° Z | | | | -12434 Mar 15 j 09:37 | 0° \approx | |
| asc. node | -12437 Sep 02 j 16:18 | 0° Z 27'44 | | | | -12434 Apr 09 j 19:33 | 0° H | |
| | -12437 Sep 28 j 05:06 | 0° H | | | | -12434 May 05 j 22:55 | 0° Y | |
| | -12437 Oct 23 j 12:04 | 0° G | | | | -12434 Jun 02 j 19:18 | 0° Z | |
| | -12437 Nov 17 j 15:09 | 0° Ω | | evening max el | | -12434 Jun 04 j 03:25 | 1° Z 21'12 | 47°47'09 |
| | -12437 Dec 12 j 16:51 | 0° H | | desc. node | | -12434 Jun 10 j 23:13 | 8° Z 03'57 | |
| desc. node | -12437 Dec 25 j 03:52 | 14° H 57'34 | | | | -12434 Jul 08 j 17:44 | 0° H | |
| | -12436 Jan 06 j 15:27 | 0° G | | greatest brilliancy | | -12434 Jul 15 j 17:55 | 3° H 09'40 | -4.9m |
| | -12436 Jan 31 j 08:27 | 0° H | | retrograde | | -12434 Jul 25 j 04:14 | 4° H 52'03 | |
| morning set | -12436 Feb 11 j 08:29 | 13° H 27'53 | | | | -12434 Aug 09 j 17:13 | 30° H | |
| | -12436 Feb 24 j 18:51 | 0° H | | evening set | | -12434 Aug 11 j 18:42 | 28° Z 46'18 | |
| max. Earth dist. | -12436 Mar 12 j 19:06 | 21° H 04'01 | 1.72686 AU | min. Earth dist. | | -12434 Aug 14 j 05:11 | 27° Z 15'20 | 0.27001 AU |
| | | | | inferior conj | | -12434 Aug 14 j 22:39 | 26° Z 47'52 | -8°24'56 |
| superior conj | -12436 Mar 17 j 07:03 | 26° H 39'31 | -0°57'31 | minimum elong | | -12434 Aug 15 j 04:05 | 26° Z 39'19 | 8°23'50 |
| minimum elong | -12436 Mar 17 j 14:43 | 27° H 03'24 | 0°58'01 | morning rise | | -12434 Aug 18 j 13:45 | 24° Z 33'38 | |
| | -12436 Mar 19 j 23:29 | 0° Z | | direct | | -12434 Sep 04 j 04:37 | 19° Z 05'09 | |
| | -12436 Apr 13 j 00:20 | 0° \approx | | greatest brilliancy | | -12434 Sep 13 j 14:18 | 20° Z 47'58 | -4.9m |
| asc. node | -12436 Apr 14 j 00:37 | 1° \approx 15'53 | | | | -12434 Sep 29 j 21:07 | 0° H | |
| evening rise | -12436 Apr 21 j 21:46 | 11° \approx 07'42 | | asc. node | | -12434 Sep 30 j 04:11 | 0° H 13'03 | |
| | -12436 May 06 j 23:29 | 0° H | | morning max el | | -12434 Oct 23 j 22:43 | 21° H 17'58 | 46°13'44 |
| | -12436 May 30 j 22:47 | 0° Y | | | | -12434 Nov 01 j 12:23 | 0° G | |
| | -12436 Jun 24 j 00:08 | 0° Z | | | | -12434 Nov 29 j 05:38 | 0° Ω | |
| | -12436 Jul 18 j 05:56 | 0° H | | | | -12434 Dec 25 j 16:30 | 0° H | |
| desc. node | -12436 Aug 05 j 16:45 | 22° H 35'17 | | | | -12433 Jan 20 j 11:45 | 0° G | |
| | -12436 Aug 11 j 19:18 | 0° G | | desc. node | | -12433 Jan 21 j 17:52 | 1° G 28'32 | |
| | -12436 Sep 05 j 21:19 | 0° Ω | | | | -12433 Feb 14 j 18:02 | 0° H | |
| | -12436 Oct 01 j 23:36 | 0° H | | | | -12433 Mar 11 j 12:07 | 0° H | |
| evening max el | -12436 Oct 26 j 02:53 | 25° H 34'03 | 45°29'43 | | | -12433 Apr 04 j 19:46 | 0° Z | |
| | -12436 Oct 30 j 16:28 | 0° G | | morning set | | -12433 Apr 18 j 18:44 | 17° Z 24'26 | |
| asc. node | -12436 Nov 24 j 23:16 | 20° G 12'06 | | | | -12433 Apr 28 j 19:50 | 0° \approx | |
| greatest brilliancy | -12436 Dec 02 j 13:50 | 23° G 58'40 | -4.7m | asc. node | | -12433 May 12 j 13:48 | 17° \approx 17'47 | |
| retrograde | -12436 Dec 13 j 22:59 | 26° G 20'07 | | | | -12433 May 22 j 15:28 | 0° H | |
| evening set | -12436 Dec 30 j 14:17 | 20° G 57'52 | | max. Earth dist. | | -12433 May 23 j 23:04 | 1° H 39'45 | 1.71011 AU |
| inferior conj | -12435 Jan 04 j 08:02 | 18° G 01'17 | 7°17'32 | | | | | |
| minimum elong | -12435 Jan 04 j 00:58 | 18° G 12'31 | 7°16'27 | superior conj | | -12433 May 25 j 16:30 | 3° H 50'31 | 0°29'53 |
| min. Earth dist. | -12435 Jan 04 j 12:39 | 17° G 53'55 | 0.29564 AU | minimum elong | | -12433 May 25 j 10:22 | 3° H 31'08 | 0°29'15 |
| morning rise | -12435 Jan 08 j 11:40 | 15° G 25'29 | | | | -12433 Jun 15 j 09:30 | 0° Y | |
| direct | -12435 Jan 26 j 08:04 | 9° G 27'48 | | evening rise | | -12433 Jul 04 j 02:38 | 23° Y 36'35 | |
| greatest brilliancy | -12435 Feb 05 j 02:34 | 11° G 10'52 | -4.7m | | | -12433 Jul 09 j 04:27 | 0° Z | |
| | -12435 Mar 06 j 04:13 | 0° H | | | | -12433 Aug 02 j 02:32 | 0° H | |
| morning max el | -12435 Mar 16 j 12:55 | 9° H 29'04 | 46°13'10 | | | -12433 Aug 26 j 05:30 | 0° G | |
| desc. node | -12435 Mar 18 j 17:35 | 11° H 36'16 | | desc. node | | -12433 Sep 03 j 03:42 | 9° G 47'18 | |
| | -12435 Apr 05 j 15:02 | 0° H | | | | -12433 Sep 19 j 14:34 | 0° Ω | |
| | -12435 May 02 j 07:48 | 0° Z | | | | -12433 Oct 14 j 07:19 | 0° H | |
| | -12435 May 27 j 11:42 | 0° \approx | | | | -12433 Nov 08 j 11:58 | 0° G | |
| | -12435 Jun 20 j 20:21 | 0° H | | | | -12433 Dec 04 j 15:54 | 0° H | |
| asc. node | -12435 Jul 07 j 15:33 | 21° H 00'30 | | asc. node | | -12433 Dec 23 j 08:55 | 20° H 10'01 | |
| | -12435 Jul 14 j 19:16 | 0° Y | | | | -12432 Jan 02 j 03:04 | 0° H | |
| | -12435 Aug 07 j 14:59 | 0° Z | | evening max el | | -12432 Jan 06 j 00:02 | 3° H 43'55 | 44°49'39 |
| | -12435 Aug 31 j 12:11 | 0° H | | | | -12432 Feb 11 j 00:28 | 0° Z | |
| morning set | -12435 Sep 17 j 23:21 | 21° H 48'17 | | greatest brilliancy | | -12432 Feb 12 j 22:23 | 0° Z 42'15 | -4.7m |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|--|------------|---------------------|-----------------------|--|------------|
| retrograde | -12432 Feb 22 j 23:20 | 2°  29'09 | | superior conj | -12430 Aug 09 j 19:30 | 21°  34'09 | 1°22'04 |
| | -12432 Mar 05 j 10:09 | 30°  4'27 | | minimum elong | -12430 Aug 09 j 23:01 | 21°  45'13 | 1°22'37 |
| evening set | -12432 Mar 10 j 12:15 | 27°  29'10 | | | -12430 Aug 16 j 12:31 | 0°  II | |
| inferior conj | -12432 Mar 15 j 05:40 | 24°  43'02 | 6°19'42 | max. Earth dist. | -12430 Aug 16 j 20:43 | 0°  II25'45 | 1.71195 AU |
| minimum elong | -12432 Mar 15 j 14:53 | 24°  29'06 | 6°17'15 | | -12430 Sep 09 j 12:43 | 0°  ☿ | |
| min. Earth dist. | -12432 Mar 16 j 14:57 | 23°  52'47 | 0.28256 AU | evening rise | -12430 Sep 22 j 09:15 | 15°  ☿57'27 | |
| morning rise | -12432 Mar 20 j 16:40 | 21°  30'02 | | desc. node | -12430 Sep 30 j 15:38 | 26°  ☿10'46 | |
| direct | -12432 Apr 05 j 21:35 | 16°  34'56 | | | -12430 Oct 03 j 17:54 | 0°  Ω | |
| desc. node | -12432 Apr 15 j 05:07 | 18°  09'09 | | | -12430 Oct 28 j 03:24 | 0°  ♊ | |
| greatest brilliancy | -12432 Apr 17 j 16:33 | 19°  03'03 | -4.8m | | -12430 Nov 21 j 16:57 | 0°  ♋ | |
| | -12432 May 05 j 14:52 | 0°  ☿ | | | -12430 Dec 16 j 12:21 | 0°  ♌ | |
| morning max el | -12432 May 26 j 02:47 | 18°  30'32 | 46°35'47 | | -12429 Jan 10 j 18:30 | 0°  ♍ | |
| | -12432 Jun 06 j 04:18 | 0°  ♊ | | asc. node | -12429 Jan 19 j 18:53 | 10°  ♍30'37 | |
| | -12432 Jul 02 j 18:27 | 0°  ♋ | | | -12429 Feb 05 j 20:18 | 0°  ☿ | |
| | -12432 Jul 27 j 19:26 | 0°  ♌ | | | -12429 Mar 05 j 11:34 | 0°  ♊ | |
| asc. node | -12432 Aug 04 j 05:28 | 9°  03'59 | | evening max el | -12429 Mar 20 j 00:54 | 14°  ♊33'39 | 46°02'57 |
| | -12432 Aug 21 j 05:34 | 0°  ♋ | | | -12429 Apr 06 j 12:15 | 0°  ♋ | |
| | -12432 Sep 14 j 11:40 | 0°  ♌ | | greatest brilliancy | -12429 Apr 28 j 19:21 | 13°  ♋20'14 | -4.8m |
| | -12432 Oct 08 j 19:31 | 0°  ☿ | | retrograde | -12429 May 08 j 15:24 | 15°  ♋04'51 | |
| | -12432 Nov 02 j 07:07 | 0°  Ω | | desc. node | -12429 May 13 j 15:37 | 14°  ♋35'13 | |
| desc. node | -12432 Nov 25 j 15:56 | 28°  Ω30'21 | | evening set | -12429 May 23 j 03:48 | 11°  ♋04'08 | |
| | -12432 Nov 26 j 21:21 | 0°  ♊ | | inferior conj | -12429 May 29 j 09:07 | 7°  ♋33'24 | -3°45'52 |
| morning set | -12432 Dec 01 j 16:03 | 5°  ♊49'38 | | minimum elong | -12429 May 29 j 01:13 | 7°  ♋45'02 | 3°43'58 |
| | -12432 Dec 21 j 11:27 | 0°  ♋ | | min. Earth dist. | -12429 May 29 j 04:17 | 7°  ♋40'30 | 0.26394 AU |
| max. Earth dist. | -12431 Jan 05 j 02:24 | 17°  ♋53'59 | 1.73818 AU | morning rise | -12429 Jun 03 j 22:28 | 4°  ♋23'57 | |
| | | | | direct | -12429 Jun 18 j 21:05 | 0°  ♋05'56 | |
| superior conj | -12431 Jan 08 j 07:16 | 21°  ♋49'36 | -1°15'27 | greatest brilliancy | -12429 Jun 29 j 17:43 | 2°  ♋18'48 | -4.9m |
| minimum elong | -12431 Jan 08 j 01:58 | 21°  ♋33'20 | 1°15'38 | | -12429 Aug 05 j 03:07 | 0°  ♌ | |
| | -12431 Jan 14 j 23:05 | 0°  ♌ | | morning max el | -12429 Aug 08 j 11:58 | 3°  ♌23'59 | 46°36'45 |
| | -12431 Feb 08 j 07:48 | 0°  ♍ | | asc. node | -12429 Sep 01 j 18:33 | 29°  ♌45'27 | |
| evening rise | -12431 Feb 12 j 11:31 | 5°  ♍07'36 | | | -12429 Sep 01 j 23:41 | 0°  ♋ | |
| | -12431 Mar 04 j 14:50 | 0°  ☿ | | | -12429 Sep 27 j 19:32 | 0°  ♌ | |
| asc. node | -12431 Mar 16 j 14:31 | 14°  ☿48'09 | | | -12429 Oct 23 j 01:06 | 0°  ☿ | |
| | -12431 Mar 28 j 22:05 | 0°  ♊ | | | -12429 Nov 17 j 03:20 | 0°  Ω | |
| | -12431 Apr 22 j 07:04 | 0°  ♋ | | | -12429 Dec 12 j 04:28 | 0°  ♊ | |
| | -12431 May 16 j 19:17 | 0°  ♌ | | desc. node | -12429 Dec 24 j 06:01 | 14°  ♊29'37 | |
| | -12431 Jun 10 j 13:39 | 0°  ♋ | | | -12428 Jan 06 j 02:42 | 0°  ♋ | |
| | -12431 Jul 05 j 20:43 | 0°  ♌ | | | -12428 Jan 30 j 19:30 | 0°  ♌ | |
| desc. node | -12431 Jul 08 j 08:54 | 2°  ♌55'04 | | morning set | -12428 Feb 09 j 03:42 | 11°  ♌25'56 | |
| | -12431 Aug 01 j 08:22 | 0°  ☿ | | | -12428 Feb 24 j 05:47 | 0°  ♍ | |
| evening max el | -12431 Aug 14 j 04:21 | 13°  ☿33'59 | 47°20'08 | max. Earth dist. | -12428 Mar 10 j 12:44 | 18°  ♍55'49 | 1.72741 AU |
| | -12431 Aug 31 j 11:03 | 0°  Ω | | | | | |
| greatest brilliancy | -12431 Sep 23 j 17:22 | 15°  Ω23'53 | -4.9m | superior conj | -12428 Mar 15 j 02:33 | 24°  ♍36'52 | -0°59'32 |
| retrograde | -12431 Oct 04 j 06:15 | 17°  Ω33'03 | | minimum elong | -12428 Mar 15 j 10:09 | 25°  ♍00'32 | 1°00'02 |
| evening set | -12431 Oct 19 j 06:10 | 12°  Ω55'53 | | | -12428 Mar 19 j 10:26 | 0°  ☿ | |
| inferior conj | -12431 Oct 25 j 08:06 | 9°  Ω08'14 | -0°32'20 | | -12428 Apr 12 j 11:24 | 0°  ♊ | |
| minimum elong | -12431 Oct 25 j 09:11 | 9°  Ω06'28 | 0°31'24 | asc. node | -12428 Apr 13 j 02:50 | 0°  ♊48'12 | |
| min. Earth dist. | -12431 Oct 24 j 21:03 | 9°  Ω26'10 | 0.28416 AU | evening rise | -12428 Apr 19 j 15:25 | 8°  ♊57'53 | |
| asc. node | -12431 Oct 27 j 15:12 | 7°  Ω39'27 | | | -12428 May 06 j 10:45 | 0°  ♋ | |
| morning rise | -12431 Oct 31 j 12:54 | 5°  Ω17'34 | | | -12428 May 30 j 10:19 | 0°  ♌ | |
| direct | -12431 Nov 15 j 08:35 | 0°  Ω51'14 | | | -12428 Jun 23 j 12:01 | 0°  ♋ | |
| greatest brilliancy | -12431 Nov 24 j 11:13 | 2°  Ω23'59 | -4.8m | | -12428 Jul 17 j 18:14 | 0°  ♌ | |
| | -12430 Jan 02 j 08:13 | 0°  ♊ | | desc. node | -12428 Aug 04 j 19:05 | 22°  ♌03'49 | |
| morning max el | -12430 Jan 03 j 04:10 | 0°  ♊47'08 | 46°00'51 | | -12428 Aug 11 j 08:10 | 0°  ☿ | |
| | -12430 Jan 31 j 18:45 | 0°  ♋ | | | -12428 Sep 05 j 11:12 | 0°  Ω | |
| desc. node | -12430 Feb 18 j 07:25 | 19°  ♋19'26 | | | -12428 Oct 01 j 15:48 | 0°  ♊ | |
| | -12430 Feb 27 j 17:12 | 0°  ♌ | | evening max el | -12428 Oct 23 j 19:07 | 23°  ♊22'23 | 45°32'50 |
| | -12430 Mar 25 j 08:53 | 0°  ♍ | | | -12428 Oct 30 j 16:19 | 0°  ♋ | |
| | -12430 Apr 19 j 04:15 | 0°  ☿ | | asc. node | -12428 Nov 24 j 01:24 | 18°  ♋52'44 | |
| | -12430 May 13 j 09:52 | 0°  ♊ | | greatest brilliancy | -12428 Nov 30 j 07:45 | 21°  ♋53'24 | -4.7m |
| | -12430 Jun 06 j 07:00 | 0°  ♋ | | retrograde | -12428 Dec 11 j 16:16 | 24°  ♋14'28 | |
| greatest brilliancy | -12430 Jun 07 j 00:47 | 0°  ♋56'06 | -3.9m | evening set | -12428 Dec 28 j 05:29 | 18°  ♋55'37 | |
| asc. node | -12430 Jun 09 j 03:32 | 3°  ♋36'23 | | inferior conj | -12427 Jan 02 j 01:33 | 15°  ♋55'06 | 7°09'21 |
| morning set | -12430 Jun 29 j 06:59 | 29°  ♋05'49 | | minimum elong | -12427 Jan 01 j 18:09 | 16°  ♋06'56 | 7°08'12 |
| | -12430 Jun 30 j 00:06 | 0°  ♌ | | min. Earth dist. | -12427 Jan 02 j 05:05 | 15°  ♋49'27 | 0.29559 AU |
| | -12430 Jul 23 j 16:56 | 0°  ♋ | | morning rise | -12427 Jan 06 j 06:50 | 13°  ♋16'21 | |
| | | | | direct | -12427 Jan 24 j 01:20 | 7°  ♋21'44 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | |
|---------------------|-----------------------|------------------------------------|------------|---------------------|--|-----------------------|-------------------------------------|------------|
| greatest brilliancy | -12427 Feb 02 j 17:54 | 9° Ω 02'54 | -4.7m | | | -12425 Jul 08 j 15:59 | 0° \mathcal{B} | |
| | -12427 Mar 06 j 07:11 | 0° \mathcal{M} | | | | -12425 Aug 01 j 14:11 | 0° \mathcal{I} | |
| morning max el | -12427 Mar 14 j 04:29 | 7° \mathcal{M} 17'49 | 46°12'17 | | | -12425 Aug 25 j 17:18 | 0° \mathcal{G} | |
| desc. node | -12427 Mar 17 j 19:51 | 10° \mathcal{M} 49'42 | | desc. node | | -12425 Sep 02 j 05:57 | 9° \mathcal{G} 17'38 | |
| | -12427 Apr 05 j 08:04 | 0° \mathcal{A} | | | | -12425 Sep 19 j 02:38 | 0° Ω | |
| | -12427 May 01 j 21:57 | 0° \mathcal{Z} | | | | -12425 Oct 13 j 19:50 | 0° \mathcal{M} | |
| | -12427 May 27 j 00:35 | 0° \approx | | | | -12425 Nov 08 j 01:25 | 0° $\underline{\mathcal{A}}$ | |
| | -12427 Jun 20 j 08:33 | 0° \mathcal{H} | | | | -12425 Dec 04 j 07:29 | 0° \mathcal{M} | |
| asc. node | -12427 Jul 06 j 17:47 | 20° \mathcal{H} 29'59 | | asc. node | | -12425 Dec 22 j 11:20 | 19° \mathcal{M} 27'47 | |
| | -12427 Jul 14 j 07:07 | 0° \mathcal{Y} | | | | -12424 Jan 02 j 00:57 | 0° \mathcal{A} | |
| | -12427 Aug 07 j 02:38 | 0° \mathcal{B} | | evening max el | | -12424 Jan 03 j 14:27 | 1° \mathcal{A} 29'35 | 44°49'15 |
| | -12427 Aug 30 j 23:41 | 0° \mathcal{I} | | greatest brilliancy | | -12424 Feb 10 j 11:17 | 28° \mathcal{A} 28'09 | -4.7m |
| morning set | -12427 Sep 15 j 09:07 | 19° \mathcal{I} 13'47 | | | | -12424 Feb 16 j 16:41 | 0° \mathcal{Z} | |
| | -12427 Sep 24 j 00:59 | 0° \mathcal{G} | | retrograde | | -12424 Feb 20 j 14:12 | 0° \mathcal{Z} 16'53 | |
| | -12427 Oct 18 j 07:05 | 0° Ω | | | | -12424 Feb 24 j 10:05 | 30° \mathcal{R} \mathcal{A} | |
| | | | | evening set | | -12424 Mar 08 j 05:27 | 25° \mathcal{A} 12'15 | |
| superior conj | -12427 Oct 27 j 07:53 | 11° Ω 07'14 | 0°01'57 | inferior conj | | -12424 Mar 12 j 20:32 | 22° \mathcal{A} 29'16 | 6°31'44 |
| minimum elong | -12427 Oct 27 j 08:30 | 11° Ω 09'10 | 0°02'31 | minimum elong | | -12424 Mar 13 j 05:35 | 22° \mathcal{A} 15'35 | 6°29'26 |
| behind sun begin | -12427 Oct 26 j 06:56 | 9° Ω 50'31 | | min. Earth dist. | | -12424 Mar 14 j 05:46 | 21° \mathcal{A} 39'06 | 0.28340 AU |
| behind sun end | -12427 Oct 28 j 10:04 | 12° Ω 27'47 | | morning rise | | -12424 Mar 18 j 04:55 | 19° \mathcal{A} 19'52 | |
| desc. node | -12427 Oct 28 j 04:23 | 12° Ω 10'17 | | direct | | -12424 Apr 03 j 13:14 | 14° \mathcal{A} 19'23 | |
| max. Earth dist. | -12427 Oct 30 j 16:21 | 15° Ω 14'39 | 1.73145 AU | desc. node | | -12424 Apr 14 j 07:12 | 16° \mathcal{A} 23'44 | |
| | -12427 Nov 11 j 16:39 | 0° \mathcal{M} | | greatest brilliancy | | -12424 Apr 15 j 07:49 | 16° \mathcal{A} 47'21 | -4.8m |
| evening rise | -12427 Dec 05 j 15:11 | 29° \mathcal{M} 21'35 | | | | -12424 May 06 j 02:47 | 0° \mathcal{Z} | |
| | -12427 Dec 06 j 03:43 | 0° $\underline{\mathcal{A}}$ | | morning max el | | -12424 May 23 j 18:35 | 16° \mathcal{Z} 12'59 | 46°35'10 |
| | -12427 Dec 30 j 15:21 | 0° \mathcal{M} | | | | -12424 Jun 05 j 23:30 | 0° \approx | |
| | -12426 Jan 24 j 04:34 | 0° \mathcal{A} | | | | -12424 Jul 02 j 09:49 | 0° \mathcal{H} | |
| asc. node | -12426 Feb 16 j 05:28 | 27° \mathcal{A} 57'46 | | | | -12424 Jul 27 j 09:09 | 0° \mathcal{Y} | |
| | -12426 Feb 17 j 21:58 | 0° \mathcal{Z} | | asc. node | | -12424 Aug 03 j 07:42 | 8° \mathcal{Y} 29'43 | |
| | -12426 Mar 14 j 22:35 | 0° \approx | | | | -12424 Aug 20 j 18:24 | 0° \mathcal{B} | |
| | -12426 Apr 09 j 09:59 | 0° \mathcal{H} | | | | -12424 Sep 13 j 23:55 | 0° \mathcal{I} | |
| | -12426 May 05 j 16:01 | 0° \mathcal{Y} | | | | -12424 Oct 08 j 07:23 | 0° \mathcal{G} | |
| evening max el | -12426 Jun 01 j 16:55 | 28° \mathcal{Y} 54'42 | 47°45'15 | | | -12424 Nov 01 j 18:42 | 0° Ω | |
| | -12426 Jun 02 j 18:58 | 0° \mathcal{B} | | desc. node | | -12424 Nov 24 j 18:03 | 28° Ω 02'11 | |
| desc. node | -12426 Jun 10 j 01:31 | 7° \mathcal{B} 04'36 | | | | -12424 Nov 26 j 08:42 | 0° \mathcal{M} | |
| | -12426 Jul 11 j 11:24 | 0° \mathcal{I} | | morning set | | -12424 Nov 29 j 07:05 | 3° \mathcal{M} 34'39 | |
| greatest brilliancy | -12426 Jul 13 j 08:16 | 0° \mathcal{I} 42'07 | -4.9m | | | -12424 Dec 20 j 22:37 | 0° $\underline{\mathcal{A}}$ | |
| retrograde | -12426 Jul 22 j 17:11 | 2° \mathcal{I} 23'17 | | max. Earth dist. | | -12423 Jan 03 j 00:27 | 16° $\underline{\mathcal{A}}$ 00'23 | 1.73829 AU |
| | -12426 Aug 02 j 11:02 | 30° \mathcal{R} \mathcal{B} | | | | | | |
| evening set | -12426 Aug 09 j 09:45 | 26° \mathcal{B} 16'19 | | superior conj | | -12423 Jan 06 j 02:00 | 19° $\underline{\mathcal{A}}$ 45'49 | -1°14'23 |
| min. Earth dist. | -12426 Aug 11 j 18:30 | 24° \mathcal{B} 48'08 | 0.26958 AU | minimum elong | | -12423 Jan 05 j 20:13 | 19° $\underline{\mathcal{A}}$ 28'07 | 1°14'32 |
| inferior conj | -12426 Aug 12 j 12:05 | 24° \mathcal{B} 20'31 | -8°30'59 | | | -12423 Jan 14 j 10:10 | 0° \mathcal{M} | |
| minimum elong | -12426 Aug 12 j 16:46 | 24° \mathcal{B} 13'09 | 8°30'02 | | | -12423 Feb 07 j 18:55 | 0° \mathcal{A} | |
| morning rise | -12426 Aug 16 j 00:01 | 22° \mathcal{B} 11'03 | | evening rise | | -12423 Feb 10 j 07:43 | 3° \mathcal{A} 07'32 | |
| direct | -12426 Sep 01 j 17:14 | 16° \mathcal{B} 38'58 | | | | -12423 Mar 04 j 02:08 | 0° \mathcal{Z} | |
| greatest brilliancy | -12426 Sep 11 j 04:19 | 18° \mathcal{B} 22'32 | -4.9m | asc. node | | -12423 Mar 15 j 16:46 | 14° \mathcal{Z} 19'51 | |
| asc. node | -12426 Sep 29 j 06:27 | 28° \mathcal{B} 57'29 | | | | -12423 Mar 28 j 09:43 | 0° \approx | |
| | -12426 Sep 30 j 14:37 | 0° \mathcal{I} | | | | -12423 Apr 21 j 19:11 | 0° \mathcal{H} | |
| morning max el | -12426 Oct 21 j 11:31 | 18° \mathcal{I} 52'57 | 46°14'32 | | | -12423 May 16 j 08:04 | 0° \mathcal{Y} | |
| | -12426 Nov 01 j 08:26 | 0° \mathcal{G} | | | | -12423 Jun 10 j 03:25 | 0° \mathcal{B} | |
| | -12426 Nov 28 j 21:05 | 0° Ω | | | | -12423 Jul 05 j 12:06 | 0° \mathcal{I} | |
| | -12426 Dec 25 j 05:57 | 0° \mathcal{M} | | desc. node | | -12423 Jul 07 j 11:14 | 2° \mathcal{I} 16'42 | |
| | -12425 Jan 20 j 00:07 | 0° $\underline{\mathcal{A}}$ | | | | -12423 Aug 01 j 03:17 | 0° \mathcal{G} | |
| desc. node | -12425 Jan 20 j 20:06 | 0° $\underline{\mathcal{A}}$ 58'49 | | evening max el | | -12423 Aug 11 j 20:45 | 11° \mathcal{G} 17'15 | 47°23'24 |
| | -12425 Feb 14 j 05:45 | 0° \mathcal{M} | | | | -12423 Aug 31 j 19:56 | 0° Ω | |
| | -12425 Mar 10 j 23:29 | 0° \mathcal{A} | | greatest brilliancy | | -12423 Sep 21 j 10:55 | 13° Ω 09'17 | -4.9m |
| | -12425 Apr 04 j 06:59 | 0° \mathcal{Z} | | retrograde | | -12423 Oct 01 j 23:41 | 15° Ω 18'12 | |
| morning set | -12425 Apr 16 j 12:50 | 15° \mathcal{Z} 15'49 | | evening set | | -12423 Oct 16 j 23:49 | 10° Ω 39'26 | |
| | -12425 Apr 28 j 07:03 | 0° \approx | | min. Earth dist. | | -12423 Oct 22 j 13:14 | 7° Ω 11'55 | 0.28361 AU |
| asc. node | -12425 May 11 j 15:53 | 16° \approx 48'52 | | inferior conj | | -12423 Oct 23 j 00:38 | 6° Ω 53'28 | -0°52'05 |
| max. Earth dist. | -12425 May 21 j 09:38 | 29° \approx 05'56 | 1.71058 AU | minimum elong | | -12423 Oct 23 j 02:23 | 6° Ω 50'36 | 0°50'58 |
| | -12425 May 22 j 02:46 | 0° \mathcal{H} | | asc. node | | -12423 Oct 26 j 17:21 | 4° Ω 32'12 | |
| | | | | morning rise | | -12423 Oct 29 j 05:44 | 3° Ω 02'51 | |
| superior conj | -12425 May 23 j 07:16 | 1° \mathcal{H} 29'56 | 0°26'38 | | | -12423 Nov 04 j 21:04 | 30° \mathcal{R} \mathcal{G} | |
| minimum elong | -12425 May 23 j 01:46 | 1° \mathcal{H} 12'35 | 0°26'00 | direct | | -12423 Nov 13 j 00:28 | 28° \mathcal{G} 37'26 | |
| | -12425 Jun 14 j 20:55 | 0° \mathcal{Y} | | | | -12423 Nov 21 j 13:36 | 0° Ω | |
| evening rise | -12425 Jul 01 j 13:03 | 21° \mathcal{Y} 02'04 | | greatest brilliancy | | -12423 Nov 22 j 02:41 | 0° Ω 10'23 | -4.8m |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|--|-----------------------|-----------|------------|--|
| morning max el | -12423 Dec 31 j 21:18 | 28°Ω39'28 | 46°00'53 | | | -12420 Jun 22 j 23:59 | 0°♄ | | |
| | -12422 Jan 02 j 07:06 | 0°♍ | | | | -12420 Jul 17 j 06:35 | 0°♊ | | |
| | -12422 Jan 31 j 10:49 | 0°♌ | | desc. node | | -12420 Aug 03 j 21:19 | 21°♊31'51 | | |
| desc. node | -12422 Feb 17 j 09:32 | 18°♌45'04 | | | | -12420 Aug 10 j 21:08 | 0°♋ | | |
| | -12422 Feb 27 j 06:50 | 0°♍ | | | | -12420 Sep 05 j 01:18 | 0°♌ | | |
| | -12422 Mar 24 j 21:23 | 0°♎ | | | | -12420 Oct 01 j 08:26 | 0°♍ | | |
| | -12422 Apr 18 j 16:09 | 0°♏ | | evening max el | | -12420 Oct 21 j 10:39 | 21°♍08'19 | 45°35'57 | |
| | -12422 May 12 j 21:28 | 0°♐ | | | | -12420 Oct 30 j 17:36 | 0°♎ | | |
| | -12422 Jun 05 j 18:28 | 0°♑ | | asc. node | | -12420 Nov 23 j 03:52 | 17°♎30'37 | | |
| greatest brilliancy | -12422 Jun 06 j 16:56 | 1°♑10'56 | -3.9m | greatest brilliancy | | -12420 Nov 28 j 01:56 | 19°♎47'39 | -4.7m | |
| asc. node | -12422 Jun 08 j 05:50 | 3°♑07'25 | | retrograde | | -12420 Dec 09 j 09:28 | 22°♎08'24 | | |
| morning set | -12422 Jun 26 j 18:46 | 26°♑34'58 | | evening set | | -12420 Dec 25 j 20:40 | 16°♎52'52 | | |
| | -12422 Jun 29 j 11:31 | 0°♒ | | inferior conj | | -12420 Dec 30 j 19:09 | 13°♎48'36 | 7°00'38 | |
| | -12422 Jul 23 j 04:23 | 0°♓ | | minimum elong | | -12420 Dec 30 j 11:24 | 14°♎00'59 | 6°59'23 | |
| | | | | min. Earth dist. | | -12420 Dec 30 j 21:55 | 13°♎44'09 | 0.29549 AU | |
| superior conj | -12422 Aug 07 j 03:56 | 18°♓53'33 | 1°22'34 | morning rise | | -12419 Jan 04 j 02:08 | 11°♏06'51 | | |
| minimum elong | -12422 Aug 07 j 06:19 | 19°♓01'05 | 1°23'08 | direct | | -12419 Jan 21 j 18:02 | 5°♏15'18 | | |
| max. Earth dist. | -12422 Aug 14 j 03:02 | 27°♓38'49 | 1.71143 AU | greatest brilliancy | | -12419 Jan 31 j 09:54 | 6°♏55'24 | -4.7m | |
| | -12422 Aug 16 j 00:00 | 0°♑ | | | | -12419 Mar 06 j 08:46 | 0°♍ | | |
| | -12422 Sep 09 j 00:14 | 0°♋ | | morning max el | | -12419 Mar 11 j 19:41 | 5°♍05'44 | 46°11'30 | |
| evening rise | -12422 Sep 19 j 17:25 | 13°♋18'28 | | desc. node | | -12419 Mar 16 j 21:59 | 10°♍03'28 | | |
| desc. node | -12422 Sep 29 j 17:43 | 25°♋41'43 | | | | -12419 Apr 05 j 00:46 | 0°♎ | | |
| | -12422 Oct 03 j 05:25 | 0°♌ | | | | -12419 May 01 j 11:57 | 0°♏ | | |
| | -12422 Oct 27 j 14:57 | 0°♍ | | | | -12419 May 26 j 13:22 | 0°♐ | | |
| | -12422 Nov 21 j 04:42 | 0°♎ | | | | -12419 Jun 19 j 20:43 | 0°♑ | | |
| | -12422 Dec 16 j 00:35 | 0°♏ | | asc. node | | -12419 Jul 05 j 19:59 | 19°♑59'28 | | |
| asc. node | -12421 Jan 10 j 07:45 | 0°♐ | | | | -12419 Jul 13 j 18:56 | 0°♒ | | |
| | -12421 Jan 18 j 21:14 | 9°♐57'41 | | | | -12419 Aug 06 j 14:14 | 0°♓ | | |
| | -12421 Feb 05 j 11:32 | 0°♑ | | | | -12419 Aug 30 j 11:07 | 0°♑ | | |
| | -12421 Mar 05 j 07:30 | 0°♒ | | morning set | | -12419 Sep 12 j 19:05 | 16°♑39'55 | | |
| evening max el | -12421 Mar 17 j 15:09 | 12°♒14'13 | 45°59'06 | | | -12419 Sep 23 j 12:16 | 0°♋ | | |
| | -12421 Apr 07 j 04:07 | 0°♓ | | | | -12419 Oct 17 j 18:16 | 0°♌ | | |
| greatest brilliancy | -12421 Apr 26 j 06:42 | 10°♓51'47 | -4.8m | | | | | | |
| retrograde | -12421 May 06 j 03:03 | 12°♓35'56 | | superior conj | | -12419 Oct 24 j 19:57 | 8°♌42'25 | 0°05'31 | |
| desc. node | -12421 May 12 j 17:54 | 11°♓44'29 | | minimum elong | | -12419 Oct 24 j 21:29 | 8°♌47'07 | 0°06'03 | |
| evening set | -12421 May 20 j 14:00 | 8°♓37'57 | | behind sun begin | | -12419 Oct 23 j 21:13 | 7°♌32'29 | | |
| inferior conj | -12421 May 26 j 20:47 | 5°♓05'08 | -3°23'53 | behind sun end | | -12419 Oct 25 j 21:44 | 10°♌01'45 | | |
| minimum elong | -12421 May 26 j 13:31 | 5°♓15'52 | 3°22'09 | desc. node | | -12419 Oct 27 j 06:34 | 11°♌42'41 | | |
| min. Earth dist. | -12421 May 26 j 17:31 | 5°♓09'58 | 0.26414 AU | max. Earth dist. | | -12419 Oct 28 j 11:08 | 13°♌10'30 | 1.73090 AU | |
| morning rise | -12421 Jun 01 j 12:50 | 1°♓51'59 | | | | -12419 Nov 11 j 03:46 | 0°♍ | | |
| | -12421 Jun 05 j 10:54 | 30°♒ | | evening rise | | -12419 Dec 03 j 07:53 | 27°♍11'36 | | |
| direct | -12421 Jun 16 j 09:54 | 27°♒37'26 | | | | -12419 Dec 05 j 14:50 | 0°♎ | | |
| greatest brilliancy | -12421 Jun 27 j 07:11 | 29°♒50'35 | -4.9m | | | -12419 Dec 30 j 02:33 | 0°♏ | | |
| | -12421 Jun 27 j 16:42 | 0°♑ | | | | -12418 Jan 23 j 16:03 | 0°♐ | | |
| | -12421 Aug 05 j 03:14 | 0°♒ | | asc. node | | -12418 Feb 15 j 07:43 | 27°♐28'26 | | |
| morning max el | -12421 Aug 06 j 00:25 | 0°♒53'56 | 46°37'05 | | | -12418 Feb 17 j 10:00 | 0°♓ | | |
| asc. node | -12421 Aug 31 j 20:46 | 29°♒03'05 | | | | -12418 Mar 14 j 11:32 | 0°♑ | | |
| | -12421 Sep 01 j 16:44 | 0°♓ | | | | -12418 Apr 09 j 00:30 | 0°♒ | | |
| | -12421 Sep 27 j 10:03 | 0°♑ | | | | -12418 May 05 j 09:22 | 0°♒ | | |
| | -12421 Oct 22 j 14:19 | 0°♋ | | evening max el | | -12418 May 30 j 05:53 | 26°♒27'08 | 47°43'10 | |
| | -12421 Nov 16 j 15:44 | 0°♌ | | | | -12418 Jun 02 j 19:36 | 0°♓ | | |
| desc. node | -12421 Dec 11 j 16:16 | 0°♍ | | desc. node | | -12418 Jun 09 j 03:55 | 6°♓04'15 | | |
| | -12421 Dec 23 j 08:16 | 14°♍01'27 | | greatest brilliancy | | -12418 Jul 10 j 22:33 | 28°♓14'31 | -4.9m | |
| | -12420 Jan 05 j 14:06 | 0°♎ | | retrograde | | -12418 Jul 20 j 06:09 | 29°♓54'48 | | |
| | -12420 Jan 30 j 06:39 | 0°♏ | | evening set | | -12418 Aug 07 j 00:20 | 23°♓46'56 | | |
| morning set | -12420 Feb 06 j 22:50 | 9°♏23'28 | | min. Earth dist. | | -12418 Aug 09 j 07:47 | 22°♓21'02 | 0.26915 AU | |
| | -12420 Feb 23 j 16:51 | 0°♐ | | inferior conj | | -12418 Aug 10 j 01:25 | 21°♓53'24 | -8°36'07 | |
| max. Earth dist. | -12420 Mar 08 j 05:54 | 16°♐45'55 | 1.72797 AU | minimum elong | | -12418 Aug 10 j 05:19 | 21°♓47'17 | 8°35'18 | |
| | | | | morning rise | | -12418 Aug 13 j 10:29 | 19°♓48'26 | | |
| superior conj | -12420 Mar 12 j 22:14 | 22°♐34'35 | -1°01'26 | direct | | -12418 Aug 30 j 05:29 | 14°♓12'47 | | |
| minimum elong | -12420 Mar 13 j 05:46 | 22°♐57'57 | 1°01'59 | greatest brilliancy | | -12418 Sep 08 j 18:22 | 15°♓57'35 | -4.9m | |
| | -12420 Mar 18 j 21:31 | 0°♑ | | asc. node | | -12418 Sep 28 j 08:36 | 27°♓44'24 | | |
| | -12420 Apr 11 j 22:36 | 0°♒ | | | | -12418 Oct 01 j 03:27 | 0°♑ | | |
| asc. node | -12420 Apr 12 j 04:58 | 0°♒19'53 | | morning max el | | -12418 Oct 19 j 00:53 | 16°♑29'47 | 46°15'27 | |
| evening rise | -12420 Apr 17 j 09:27 | 6°♒48'59 | | | | -12418 Nov 01 j 03:40 | 0°♋ | | |
| | -12420 May 05 j 22:09 | 0°♓ | | | | -12418 Nov 28 j 12:08 | 0°♌ | | |
| | -12420 May 29 j 21:59 | 0°♒ | | | | -12418 Dec 24 j 19:09 | 0°♍ | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| desc. node | -12417 Jan 19 j 22:09 | 0°♄29'00 | | evening max el | -12415 Aug 09 j 13:54 | 9°♂03'17 | 47°26'28 |
| | -12417 Jan 19 j 12:18 | 0°♄ | | | -12415 Sep 01 j 07:24 | 0°♄ | |
| | -12417 Feb 13 j 17:20 | 0°♍ | | greatest brilliancy | -12415 Sep 19 j 04:32 | 10°♂05'24 | -4.9m |
| | -12417 Mar 10 j 10:41 | 0°♌ | | retrograde | -12415 Sep 29 j 17:00 | 13°♂03'39 | |
| | -12417 Apr 03 j 18:01 | 0°♋ | | evening set | -12415 Oct 14 j 17:34 | 8°♂23'25 | |
| morning set | -12417 Apr 14 j 07:03 | 13°♋08'19 | | min. Earth dist. | -12415 Oct 20 j 05:18 | 4°♂58'11 | 0.28305 AU |
| | -12417 Apr 27 j 18:04 | 0°♊ | | inferior conj | -12415 Oct 20 j 17:04 | 4°♂39'08 | -1°12'02 |
| asc. node | -12417 May 10 j 18:11 | 16°♊21'20 | | minimum elong | -12415 Oct 20 j 19:30 | 4°♂35'12 | 1°10'41 |
| max. Earth dist. | -12417 May 18 j 22:21 | 26°♊39'39 | 1.71106 AU | asc. node | -12415 Oct 25 j 19:46 | 1°♂26'52 | |
| | | | | morning rise | -12415 Oct 26 j 22:18 | 0°♂48'43 | |
| superior conj | -12417 May 20 j 22:15 | 29°♊10'45 | 0°23'22 | | -12415 Oct 28 j 10:16 | 30°♌00'00 | |
| minimum elong | -12417 May 20 j 17:26 | 28°♊55'32 | 0°22'45 | direct | -12415 Nov 10 j 16:35 | 26°♌24'19 | |
| | -12417 May 21 j 13:52 | 0°♑ | | greatest brilliancy | -12415 Nov 19 j 17:48 | 27°♌56'58 | -4.8m |
| | -12417 Jun 14 j 08:08 | 0°♑ | | | -12415 Nov 24 j 20:31 | 0°♄ | |
| evening rise | -12417 Jun 28 j 23:53 | 18°♑29'25 | | morning max el | -12415 Dec 29 j 14:05 | 26°♄31'53 | 46°00'58 |
| | -12417 Jul 08 j 03:19 | 0°♒ | | | -12414 Jan 02 j 04:41 | 0°♑ | |
| | -12417 Aug 01 j 01:39 | 0°♑ | | | -12414 Jan 31 j 02:14 | 0°♄ | |
| | -12417 Aug 25 j 04:56 | 0°♑ | | desc. node | -12414 Feb 16 j 11:40 | 18°♄12'00 | |
| desc. node | -12417 Sep 01 j 08:07 | 8°♑48'22 | | | -12414 Feb 26 j 20:01 | 0°♍ | |
| | -12417 Sep 18 j 14:30 | 0°♄ | | | -12414 Mar 24 j 09:30 | 0°♌ | |
| | -12417 Oct 13 j 08:09 | 0°♑ | | | -12414 Apr 18 j 03:45 | 0°♋ | |
| | -12417 Nov 07 j 14:41 | 0°♄ | | | -12414 May 12 j 08:48 | 0°♊ | |
| | -12417 Dec 03 j 23:00 | 0°♍ | | | -12414 Jun 05 j 05:40 | 0°♑ | |
| asc. node | -12417 Dec 21 j 13:39 | 18°♍45'19 | | greatest brilliancy | -12414 Jun 06 j 09:27 | 1°♌27'41 | -3.9m |
| evening max el | -12416 Jan 01 j 05:47 | 29°♍18'09 | 44°48'50 | asc. node | -12414 Jun 07 j 08:03 | 2°♌39'02 | |
| | -12416 Jan 01 j 23:27 | 0°♌ | | morning set | -12414 Jun 24 j 06:35 | 24°♌05'06 | |
| greatest brilliancy | -12416 Feb 08 j 00:03 | 26°♌14'41 | -4.7m | | -12414 Jun 28 j 22:41 | 0°♑ | |
| retrograde | -12416 Feb 18 j 05:22 | 28°♌05'17 | | | -12414 Jul 22 j 15:32 | 0°♒ | |
| evening set | -12416 Mar 05 j 22:42 | 22°♌56'20 | | | | | |
| inferior conj | -12416 Mar 10 j 11:27 | 20°♌16'13 | 6°43'08 | superior conj | -12414 Aug 04 j 12:26 | 16°♒14'05 | 1°22'54 |
| minimum elong | -12416 Mar 10 j 20:16 | 20°♌02'54 | 6°40'59 | minimum elong | -12414 Aug 04 j 13:41 | 16°♒18'01 | 1°23'26 |
| min. Earth dist. | -12416 Mar 11 j 20:14 | 19°♌26'41 | 0.28422 AU | max. Earth dist. | -12414 Aug 11 j 10:34 | 24°♒56'37 | 1.71091 AU |
| morning rise | -12416 Mar 15 j 17:08 | 17°♌10'32 | | | -12414 Aug 15 j 11:11 | 0°♑ | |
| direct | -12416 Apr 01 j 05:24 | 12°♌04'52 | | | -12414 Sep 08 j 11:26 | 0°♑ | |
| greatest brilliancy | -12416 Apr 12 j 22:24 | 14°♌31'46 | -4.8m | evening rise | -12414 Sep 17 j 01:19 | 10°♑39'27 | |
| desc. node | -12416 Apr 13 j 09:28 | 14°♌42'56 | | desc. node | -12414 Sep 28 j 19:58 | 25°♑14'04 | |
| | -12416 May 06 j 11:22 | 0°♋ | | | -12414 Oct 02 j 16:38 | 0°♄ | |
| morning max el | -12416 May 21 j 10:49 | 13°♋57'36 | 46°34'30 | | -12414 Oct 27 j 02:15 | 0°♑ | |
| | -12416 Jun 05 j 17:56 | 0°♊ | | | -12414 Nov 20 j 16:12 | 0°♄ | |
| | -12416 Jul 02 j 00:42 | 0°♑ | | | -12414 Dec 15 j 12:34 | 0°♍ | |
| | -12416 Jul 26 j 22:28 | 0°♑ | | | -12413 Jan 09 j 20:44 | 0°♌ | |
| asc. node | -12416 Aug 02 j 09:49 | 7°♑56'06 | | asc. node | -12413 Jan 17 j 23:31 | 9°♌25'17 | |
| | -12416 Aug 20 j 06:53 | 0°♒ | | | -12413 Feb 05 j 02:37 | 0°♋ | |
| | -12416 Sep 13 j 11:53 | 0°♑ | | | -12413 Mar 05 j 03:39 | 0°♊ | |
| | -12416 Oct 07 j 18:59 | 0°♑ | | evening max el | -12413 Mar 15 j 04:34 | 9°♊53'46 | 45°55'06 |
| | -12416 Nov 01 j 05:59 | 0°♄ | | | -12413 Apr 08 j 00:47 | 0°♑ | |
| desc. node | -12416 Nov 23 j 20:20 | 27°♄35'27 | | greatest brilliancy | -12413 Apr 23 j 18:25 | 8°♌24'23 | -4.8m |
| | -12416 Nov 25 j 19:44 | 0°♑ | | retrograde | -12413 May 03 j 13:51 | 10°♌07'28 | |
| morning set | -12416 Nov 26 j 22:09 | 1°♑20'37 | | desc. node | -12413 May 11 j 20:15 | 8°♌48'00 | |
| | -12416 Dec 20 j 09:28 | 0°♄ | | evening set | -12413 May 18 j 00:17 | 6°♌11'46 | |
| max. Earth dist. | -12415 Jan 01 j 00:25 | 14°♄13'38 | 1.73839 AU | inferior conj | -12413 May 24 j 08:21 | 2°♌37'24 | -3°01'25 |
| | | | | minimum elong | -12413 May 24 j 01:46 | 2°♌47'07 | 2°59'52 |
| superior conj | -12415 Jan 03 j 20:40 | 17°♄42'49 | -1°13'14 | min. Earth dist. | -12413 May 24 j 07:04 | 2°♌39'17 | 0.26440 AU |
| minimum elong | -12415 Jan 03 j 14:27 | 17°♄23'44 | 1°13'19 | | -12413 May 28 j 21:33 | 30°♌00'00 | |
| | -12415 Jan 13 j 20:57 | 0°♍ | | morning rise | -12413 May 30 j 02:56 | 29°♌20'32 | |
| | -12415 Feb 07 j 05:46 | 0°♌ | | direct | -12413 Jun 13 j 22:07 | 25°♌09'06 | |
| evening rise | -12415 Feb 08 j 03:57 | 1°♌08'24 | | greatest brilliancy | -12413 Jun 24 j 21:19 | 27°♌23'22 | -4.9m |
| greatest brilliancy | -12415 Feb 08 j 11:42 | 1°♌32'18 | -3.9m | | -12413 Jun 30 j 10:23 | 0°♑ | |
| | -12415 Mar 03 j 13:12 | 0°♋ | | morning max el | -12413 Aug 03 j 11:54 | 28°♌21'47 | 46°37'32 |
| asc. node | -12415 Mar 14 j 18:57 | 13°♋52'01 | | | -12413 Aug 05 j 02:09 | 0°♑ | |
| | -12415 Mar 27 j 21:08 | 0°♊ | | asc. node | -12413 Aug 30 j 22:59 | 28°♑21'46 | |
| | -12415 Apr 21 j 07:05 | 0°♑ | | | -12413 Sep 01 j 09:16 | 0°♒ | |
| | -12415 May 15 j 20:38 | 0°♑ | | | -12413 Sep 27 j 00:10 | 0°♑ | |
| | -12415 Jun 09 j 16:57 | 0°♒ | | | -12413 Oct 22 j 03:10 | 0°♑ | |
| | -12415 Jul 05 j 03:20 | 0°♑ | | | -12413 Nov 16 j 03:48 | 0°♄ | |
| desc. node | -12415 Jul 06 j 13:26 | 1°♑38'35 | | | -12413 Dec 11 j 03:48 | 0°♑ | |
| | -12415 Jul 31 j 22:19 | 0°♑ | | desc. node | -12413 Dec 22 j 10:16 | 13°♑33'18 | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|-----------------------|-----------|------------|
| | -12412 Jan 05 j 01:15 | 0°♌ | | retrograde | -12410 Jul 17 j 19:17 | 27°♌26'09 | |
| | -12412 Jan 29 j 17:34 | 0°♍ | | evening set | -12410 Aug 04 j 14:23 | 21°♌17'32 | |
| morning set | -12412 Feb 04 j 18:02 | 7°♍21'59 | | min. Earth dist. | -12410 Aug 06 j 20:43 | 19°♌53'42 | 0.26880 AU |
| | -12412 Feb 23 j 03:39 | 0°♎ | | inferior conj | -12410 Aug 07 j 14:38 | 19°♌25'46 | -8°40'12 |
| max. Earth dist. | -12412 Mar 06 j 00:23 | 14°♎41'00 | 1.72853 AU | minimum elong | -12410 Aug 07 j 17:43 | 19°♌20'57 | 8°39'29 |
| | | | | morning rise | -12410 Aug 10 j 21:13 | 17°♌24'56 | |
| superior conj | -12412 Mar 10 j 18:10 | 20°♎33'58 | -1°03'17 | direct | -12410 Aug 27 j 18:03 | 11°♌45'52 | |
| minimum elong | -12412 Mar 11 j 01:34 | 20°♎56'56 | 1°03'48 | greatest brilliancy | -12410 Sep 06 j 08:16 | 13°♌32'00 | -4.9m |
| | -12412 Mar 18 j 08:19 | 0°♏ | | asc. node | -12410 Sep 27 j 11:00 | 26°♌33'24 | |
| asc. node | -12412 Apr 11 j 07:21 | 29°♏53'07 | | | -12410 Oct 01 j 13:12 | 0°♐ | |
| | -12412 Apr 11 j 09:33 | 0°♑ | | morning max el | -12410 Oct 16 j 15:12 | 14°♐08'20 | 46°16'19 |
| evening rise | -12412 Apr 15 j 03:47 | 4°♑41'52 | | | -12410 Oct 31 j 22:34 | 0°♑ | |
| | -12412 May 05 j 09:20 | 0°♒ | | | -12410 Nov 28 j 03:08 | 0°♒ | |
| | -12412 May 29 j 09:29 | 0°♓ | | | -12410 Dec 24 j 08:21 | 0°♓ | |
| | -12412 Jun 22 j 11:50 | 0°♈ | | desc. node | -12409 Jan 19 j 00:18 | 29°♓59'26 | |
| | -12412 Jul 16 j 18:51 | 0°♉ | | | -12409 Jan 19 j 00:30 | 0°♈ | |
| desc. node | -12412 Aug 02 j 23:31 | 21°♉00'03 | | | -12409 Feb 13 j 04:56 | 0°♉ | |
| | -12412 Aug 10 j 10:02 | 0°♊ | | | -12409 Mar 09 j 21:57 | 0°♎ | |
| | -12412 Sep 04 j 15:21 | 0°♋ | | | -12409 Apr 03 j 05:08 | 0°♏ | |
| | -12412 Oct 01 j 01:11 | 0°♌ | | morning set | -12409 Apr 12 j 01:35 | 11°♏01'42 | |
| evening max el | -12412 Oct 19 j 01:29 | 18°♌52'52 | 45°39'15 | | -12409 Apr 27 j 05:09 | 0°♍ | |
| | -12412 Oct 30 j 20:05 | 0°♍ | | asc. node | -12409 May 09 j 20:25 | 15°♍53'26 | |
| asc. node | -12412 Nov 22 j 06:11 | 16°♍06'01 | | max. Earth dist. | -12409 May 16 j 11:02 | 24°♍13'08 | 1.71148 AU |
| greatest brilliancy | -12412 Nov 25 j 19:38 | 17°♍41'36 | -4.7m | | | | |
| retrograde | -12412 Dec 07 j 02:42 | 20°♍02'46 | | superior conj | -12409 May 18 j 13:45 | 26°♍53'06 | 0°20'08 |
| evening set | -12412 Dec 23 j 11:48 | 14°♍50'10 | | minimum elong | -12409 May 18 j 09:37 | 26°♍40'02 | 0°19'30 |
| inferior conj | -12412 Dec 28 j 12:42 | 11°♍42'23 | 6°51'21 | | -12409 May 21 j 01:00 | 0°♎ | |
| minimum elong | -12412 Dec 28 j 04:41 | 11°♍55'12 | 6°50'00 | | -12409 Jun 13 j 19:22 | 0°♏ | |
| min. Earth dist. | -12412 Dec 28 j 14:49 | 11°♍38'59 | 0.29538 AU | evening rise | -12409 Jun 26 j 11:19 | 15°♏58'34 | |
| morning rise | -12411 Jan 01 j 21:31 | 8°♎57'37 | | | -12409 Jul 07 j 14:41 | 0°♈ | |
| direct | -12411 Jan 19 j 10:31 | 3°♎08'56 | | | -12409 Jul 31 j 13:11 | 0°♉ | |
| greatest brilliancy | -12411 Jan 29 j 02:22 | 4°♎48'45 | -4.7m | | -12409 Aug 24 j 16:40 | 0°♊ | |
| | -12411 Mar 06 j 08:56 | 0°♋ | | desc. node | -12409 Aug 31 j 10:24 | 8°♊19'05 | |
| morning max el | -12411 Mar 09 j 11:19 | 2°♋55'14 | 46°10'56 | | -12409 Sep 18 j 02:31 | 0°♋ | |
| desc. node | -12411 Mar 16 j 00:12 | 9°♋18'33 | | | -12409 Oct 12 j 20:41 | 0°♌ | |
| | -12411 Apr 04 j 16:58 | 0°♍ | | | -12409 Nov 07 j 04:15 | 0°♍ | |
| | -12411 May 01 j 01:37 | 0°♎ | | | -12409 Dec 03 j 15:00 | 0°♎ | |
| | -12411 May 26 j 01:54 | 0°♏ | | asc. node | -12409 Dec 20 j 15:54 | 18°♎01'32 | |
| | -12411 Jun 19 j 08:42 | 0°♐ | | evening max el | -12409 Dec 29 j 21:36 | 27°♎07'17 | 44°48'36 |
| asc. node | -12411 Jul 04 j 22:07 | 19°♐29'06 | | | -12408 Jan 01 j 23:12 | 0°♏ | |
| | -12411 Jul 13 j 06:38 | 0°♑ | | greatest brilliancy | -12408 Feb 05 j 13:13 | 24°♏01'25 | -4.7m |
| | -12411 Aug 06 j 01:46 | 0°♒ | | retrograde | -12408 Feb 15 j 20:24 | 25°♏53'14 | |
| | -12411 Aug 29 j 22:30 | 0°♓ | | evening set | -12408 Mar 03 j 15:59 | 20°♏40'18 | |
| morning set | -12411 Sep 10 j 04:27 | 14°♓04'04 | | inferior conj | -12408 Mar 08 j 02:25 | 18°♏02'51 | 6°53'58 |
| | -12411 Sep 22 j 23:32 | 0°♈ | | minimum elong | -12408 Mar 08 j 10:56 | 17°♏49'57 | 6°51'56 |
| | -12411 Oct 17 j 05:25 | 0°♉ | | min. Earth dist. | -12408 Mar 09 j 10:35 | 17°♏14'08 | 0.28500 AU |
| | | | | morning rise | -12408 Mar 13 j 05:18 | 15°♏00'47 | |
| superior conj | -12411 Oct 22 j 07:29 | 6°♉16'00 | 0°09'08 | direct | -12408 Mar 29 j 21:49 | 9°♏50'08 | |
| minimum elong | -12411 Oct 22 j 09:56 | 6°♉23'32 | 0°09'37 | greatest brilliancy | -12408 Apr 10 j 12:29 | 12°♏15'05 | -4.8m |
| behind sun begin | -12411 Oct 21 j 12:46 | 5°♉18'23 | | desc. node | -12408 Apr 12 j 11:48 | 13°♏05'06 | |
| behind sun end | -12411 Oct 23 j 07:05 | 7°♉28'39 | | | -12408 May 06 j 17:51 | 0°♏ | |
| max. Earth dist. | -12411 Oct 26 j 03:53 | 11°♉00'19 | 1.73030 AU | morning max el | -12408 May 19 j 02:41 | 11°♏40'51 | 46°33'56 |
| desc. node | -12411 Oct 26 j 08:50 | 11°♉15'30 | | | -12408 Jun 05 j 12:09 | 0°♐ | |
| | -12411 Nov 10 j 14:50 | 0°♑ | | | -12408 Jul 01 j 15:33 | 0°♒ | |
| evening rise | -12411 Dec 01 j 00:17 | 25°♑00'49 | | | -12408 Jul 26 j 11:49 | 0°♓ | |
| | -12411 Dec 05 j 01:54 | 0°♒ | | asc. node | -12408 Aug 01 j 12:04 | 7°♓22'43 | |
| | -12411 Dec 29 j 13:44 | 0°♓ | | | -12408 Aug 19 j 19:25 | 0°♈ | |
| | -12410 Jan 23 j 03:32 | 0°♔ | | | -12408 Sep 12 j 23:57 | 0°♉ | |
| asc. node | -12410 Feb 14 j 10:01 | 26°♔59'12 | | | -12408 Oct 07 j 06:43 | 0°♊ | |
| | -12410 Feb 16 j 22:02 | 0°♕ | | | -12408 Oct 31 j 17:28 | 0°♋ | |
| | -12410 Mar 14 j 00:32 | 0°♖ | | desc. node | -12408 Nov 22 j 22:21 | 27°♋07'12 | |
| | -12410 Apr 08 j 15:04 | 0°♗ | | morning set | -12408 Nov 24 j 12:53 | 29°♋04'44 | |
| | -12410 May 05 j 02:55 | 0°♘ | | | -12408 Nov 25 j 06:59 | 0°♌ | |
| evening max el | -12410 May 27 j 18:56 | 24°♘00'18 | 47°40'58 | | -12408 Dec 19 j 20:33 | 0°♍ | |
| | -12410 Jun 02 j 21:18 | 0°♙ | | max. Earth dist. | -12408 Dec 30 j 00:15 | 12°♍25'43 | 1.73844 AU |
| desc. node | -12410 Jun 08 j 06:02 | 5°♙02'03 | | | | | |
| greatest brilliancy | -12410 Jul 08 j 12:05 | 25°♙45'58 | -4.9m | superior conj | -12407 Jan 01 j 14:55 | 15°♍37'44 | -1°11'56 |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-------------------------------|------------|---------------------|--|-----------------------|----------------------------|------------|--|
| minimum elong | -12407 Jan 01 j 08:16 | 15° Ω 17'21 | 1°12'00 | | | -12405 May 22 j 02:25 | 30° \mathbb{R} \approx | | |
| | -12407 Jan 13 j 07:58 | 0° \mathbb{M} | | morning rise | | -12405 May 27 j 17:02 | 26° \approx 49'06 | | |
| evening rise | -12407 Feb 05 j 23:55 | 29° \mathbb{M} 07'47 | | direct | | -12405 Jun 11 j 10:08 | 22° \approx 40'07 | | |
| | -12407 Feb 06 j 16:52 | 0° \mathbb{J} | | greatest brilliancy | | -12405 Jun 22 j 12:09 | 24° \approx 56'26 | -4.9m | |
| greatest brilliancy | -12407 Feb 07 j 02:27 | 0° \mathbb{J} 29'34 | -3.9m | | | -12405 Jul 02 j 03:39 | 0° \mathbb{H} | | |
| | -12407 Mar 03 j 00:32 | 0° \mathbb{Z} | | morning max el | | -12405 Jul 31 j 23:28 | 25° \mathbb{H} 48'51 | 46°38'03 | |
| asc. node | -12407 Mar 13 j 21:20 | 13° \mathbb{Z} 24'02 | | | | -12405 Aug 05 j 00:32 | 0° \mathbb{Y} | | |
| | -12407 Mar 27 j 08:51 | 0° \approx | | asc. node | | -12405 Aug 30 j 01:16 | 27° \mathbb{Y} 40'07 | | |
| | -12407 Apr 20 j 19:19 | 0° \mathbb{H} | | | | -12405 Sep 01 j 01:51 | 0° \mathbb{B} | | |
| | -12407 May 15 j 09:33 | 0° \mathbb{Y} | | | | -12405 Sep 26 j 14:26 | 0° \mathbb{I} | | |
| | -12407 Jun 09 j 06:52 | 0° \mathbb{B} | | | | -12405 Oct 21 j 16:12 | 0° \mathbb{G} | | |
| | -12407 Jul 04 j 18:59 | 0° \mathbb{I} | | | | -12405 Nov 15 j 16:02 | 0° \mathbb{Q} | | |
| desc. node | -12407 Jul 05 j 15:44 | 0° \mathbb{I} 59'49 | | | | -12405 Dec 10 j 15:31 | 0° \mathbb{P} | | |
| | -12407 Jul 31 j 18:01 | 0° \mathbb{G} | | desc. node | | -12405 Dec 21 j 12:26 | 13° \mathbb{P} 05'00 | | |
| evening max el | -12407 Aug 07 j 06:56 | 6° \mathbb{G} 48'30 | 47°29'26 | | | -12404 Jan 04 j 12:38 | 0° \mathbb{Q} | | |
| | -12407 Sep 01 j 22:53 | 0° \mathbb{Q} | | | | -12404 Jan 29 j 04:45 | 0° \mathbb{M} | | |
| greatest brilliancy | -12407 Sep 16 j 22:31 | 8° \mathbb{Q} 41'39 | -4.9m | morning set | | -12404 Feb 02 j 13:12 | 5° \mathbb{M} 19'33 | | |
| retrograde | -12407 Sep 27 j 10:04 | 10° \mathbb{Q} 48'35 | | | | -12404 Feb 22 j 14:44 | 0° \mathbb{J} | | |
| evening set | -12407 Oct 12 j 11:34 | 6° \mathbb{Q} 06'57 | | max. Earth dist. | | -12404 Mar 03 j 19:56 | 12° \mathbb{J} 38'29 | 1.72911 AU | |
| inferior conj | -12407 Oct 18 j 09:36 | 2° \mathbb{Q} 24'27 | -1°31'53 | | | | | | |
| minimum elong | -12407 Oct 18 j 12:42 | 2° \mathbb{Q} 19'25 | 1°30'19 | superior conj | | -12404 Mar 08 j 14:07 | 18° \mathbb{J} 32'30 | -1°05'01 | |
| min. Earth dist. | -12407 Oct 17 j 21:38 | 2° \mathbb{Q} 43'52 | 0.28250 AU | minimum elong | | -12404 Mar 08 j 21:21 | 18° \mathbb{J} 54'56 | 1°05'33 | |
| | -12407 Oct 22 j 04:28 | 30° \mathbb{R} \mathbb{G} | | | | -12404 Mar 17 j 19:26 | 0° \mathbb{Z} | | |
| morning rise | -12407 Oct 24 j 14:46 | 28° \mathbb{G} 34'12 | | asc. node | | -12404 Apr 10 j 09:33 | 29° \mathbb{Z} 24'54 | | |
| asc. node | -12407 Oct 24 j 22:04 | 28° \mathbb{G} 24'03 | | | | -12404 Apr 10 j 20:47 | 0° \approx | | |
| direct | -12407 Nov 08 j 08:46 | 24° \mathbb{G} 10'55 | | evening rise | | -12404 Apr 12 j 22:09 | 2° \approx 34'08 | | |
| greatest brilliancy | -12407 Nov 17 j 09:17 | 25° \mathbb{G} 43'10 | -4.8m | | | -12404 May 04 j 20:49 | 0° \mathbb{H} | | |
| | -12407 Nov 26 j 18:07 | 0° \mathbb{Q} | | | | -12404 May 28 j 21:16 | 0° \mathbb{Y} | | |
| morning max el | -12407 Dec 27 j 06:18 | 24° \mathbb{Q} 21'57 | 46°00'55 | | | -12404 Jun 21 j 23:59 | 0° \mathbb{B} | | |
| | -12406 Jan 02 j 01:53 | 0° \mathbb{P} | | | | -12404 Jul 16 j 07:27 | 0° \mathbb{I} | | |
| | -12406 Jan 30 j 17:48 | 0° \mathbb{Q} | | desc. node | | -12404 Aug 02 j 01:52 | 20° \mathbb{I} 27'39 | | |
| desc. node | -12406 Feb 15 j 13:54 | 17° \mathbb{Q} 38'22 | | | | -12404 Aug 09 j 23:18 | 0° \mathbb{G} | | |
| | -12406 Feb 26 j 09:26 | 0° \mathbb{M} | | | | -12404 Sep 04 j 05:51 | 0° \mathbb{Q} | | |
| | -12406 Mar 23 j 21:53 | 0° \mathbb{J} | | | | -12404 Sep 30 j 18:33 | 0° \mathbb{P} | | |
| | -12406 Apr 17 j 15:36 | 0° \mathbb{Z} | | evening max el | | -12404 Oct 16 j 16:37 | 16° \mathbb{P} 37'31 | 45°42'47 | |
| | -12406 May 11 j 20:24 | 0° \approx | | | | -12404 Oct 31 j 00:25 | 0° \mathbb{Q} | | |
| | -12406 Jun 04 j 17:09 | 0° \mathbb{H} | | asc. node | | -12404 Nov 21 j 08:22 | 14° \mathbb{Q} 38'18 | | |
| greatest brilliancy | -12406 Jun 05 j 23:37 | 1° \mathbb{H} 36'11 | -3.9m | greatest brilliancy | | -12404 Nov 23 j 12:58 | 15° \mathbb{Q} 34'52 | -4.7m | |
| asc. node | -12406 Jun 06 j 10:07 | 2° \mathbb{H} 09'18 | | retrograde | | -12404 Dec 04 j 20:33 | 17° \mathbb{Q} 57'18 | | |
| morning set | -12406 Jun 21 j 18:35 | 21° \mathbb{H} 34'48 | | evening set | | -12404 Dec 21 j 03:09 | 12° \mathbb{Q} 47'20 | | |
| | -12406 Jun 28 j 10:08 | 0° \mathbb{Y} | | inferior conj | | -12404 Dec 26 j 06:26 | 9° \mathbb{Q} 36'06 | 6°41'30 | |
| | -12406 Jul 22 j 03:00 | 0° \mathbb{B} | | minimum elong | | -12404 Dec 25 j 22:12 | 9° \mathbb{Q} 49'17 | 6°40'05 | |
| | | | | min. Earth dist. | | -12404 Dec 26 j 07:36 | 9° \mathbb{Q} 34'14 | 0.29525 AU | |
| superior conj | -12406 Aug 01 j 21:19 | 13° \mathbb{B} 34'52 | 1°23'03 | morning rise | | -12404 Dec 30 j 17:12 | 6° \mathbb{Q} 48'27 | | |
| minimum elong | -12406 Aug 01 j 21:24 | 13° \mathbb{B} 35'09 | 1°23'33 | direct | | -12403 Jan 17 j 03:20 | 1° \mathbb{Q} 02'33 | | |
| max. Earth dist. | -12406 Aug 08 j 16:09 | 22° \mathbb{B} 07'18 | 1.71033 AU | greatest brilliancy | | -12403 Jan 26 j 18:50 | 2° \mathbb{Q} 42'11 | -4.7m | |
| | -12406 Aug 14 j 22:39 | 0° \mathbb{I} | | | | -12403 Mar 06 j 08:15 | 0° \mathbb{M} | | |
| | -12406 Sep 07 j 22:52 | 0° \mathbb{G} | | morning max el | | -12403 Mar 07 j 03:56 | 0° \mathbb{M} 46'46 | 46°10'14 | |
| evening rise | -12406 Sep 14 j 09:19 | 7° \mathbb{G} 59'54 | | desc. node | | -12403 Mar 15 j 02:27 | 8° \mathbb{M} 33'49 | | |
| desc. node | -12406 Sep 27 j 22:14 | 24° \mathbb{G} 45'47 | | | | -12403 Apr 04 j 09:10 | 0° \mathbb{J} | | |
| | -12406 Oct 02 j 04:04 | 0° \mathbb{Q} | | | | -12403 Apr 30 j 15:27 | 0° \mathbb{Z} | | |
| | -12406 Oct 26 j 13:46 | 0° \mathbb{P} | | | | -12403 May 25 j 14:40 | 0° \approx | | |
| | -12406 Nov 20 j 03:59 | 0° \mathbb{Q} | | | | -12403 Jun 18 j 20:54 | 0° \mathbb{H} | | |
| | -12406 Dec 15 j 00:54 | 0° \mathbb{M} | | asc. node | | -12403 Jul 04 j 00:22 | 18° \mathbb{H} 58'33 | | |
| | -12405 Jan 09 j 10:09 | 0° \mathbb{J} | | | | -12403 Jul 12 j 18:32 | 0° \mathbb{Y} | | |
| asc. node | -12405 Jan 17 j 01:52 | 8° \mathbb{J} 51'57 | | | | -12403 Aug 05 j 13:28 | 0° \mathbb{B} | | |
| | -12405 Feb 04 j 18:16 | 0° \mathbb{Z} | | | | -12403 Aug 29 j 10:05 | 0° \mathbb{I} | | |
| | -12405 Mar 05 j 00:52 | 0° \approx | | morning set | | -12403 Sep 07 j 13:44 | 11° \mathbb{I} 27'09 | | |
| evening max el | -12405 Mar 12 j 17:08 | 7° \approx 30'30 | 45°51'15 | | | -12403 Sep 22 j 11:00 | 0° \mathbb{G} | | |
| | -12405 Apr 09 j 05:16 | 0° \mathbb{H} | | | | -12403 Oct 16 j 16:46 | 0° \mathbb{Q} | | |
| greatest brilliancy | -12405 Apr 21 j 06:27 | 5° \mathbb{H} 56'50 | -4.8m | | | | | | |
| retrograde | -12405 May 01 j 00:29 | 7° \mathbb{H} 38'58 | | superior conj | | -12403 Oct 19 j 18:54 | 3° \mathbb{Q} 48'27 | 0°12'43 | |
| desc. node | -12405 May 10 j 22:22 | 5° \mathbb{H} 45'48 | | minimum elong | | -12403 Oct 19 j 22:16 | 3° \mathbb{Q} 58'50 | 0°13'12 | |
| evening set | -12405 May 15 j 10:54 | 3° \mathbb{H} 44'45 | | behind sun begin | | -12403 Oct 19 j 07:02 | 3° \mathbb{Q} 11'52 | | |
| inferior conj | -12405 May 21 j 20:03 | 0° \mathbb{H} 09'24 | -2°38'39 | behind sun end | | -12403 Oct 20 j 13:31 | 4° \mathbb{Q} 45'48 | | |
| minimum elong | -12405 May 21 j 14:13 | 0° \mathbb{H} 18'02 | 2°37'19 | max. Earth dist. | | -12403 Oct 23 j 18:44 | 8° \mathbb{Q} 43'30 | 1.72968 AU | |
| min. Earth dist. | -12405 May 21 j 20:59 | 0° \mathbb{H} 08'03 | 0.26471 AU | desc. node | | -12403 Oct 25 j 10:53 | 10° \mathbb{Q} 47'03 | | |

Attention, astronomical year style is used: The year -12900 in astronomical counting style is the year 12901 BCE in historical counting style.

| | | | | | | | | | |
|---------------------|-----------------------|-----------|------------|---------------------|--|-----------------------|-----------|------------|--|
| | -12403 Nov 10 j 02:06 | 0°♎ | | | | -12400 Jul 01 j 06:12 | 0°♐ | | |
| evening rise | -12403 Nov 28 j 16:42 | 22°♎49'39 | | | | -12400 Jul 26 j 01:06 | 0°♑ | | |
| | -12403 Dec 04 j 13:07 | 0°♏ | | asc. node | | -12400 Jul 31 j 14:19 | 6°♑49'23 | | |
| | -12403 Dec 29 j 01:03 | 0°♐ | | | | -12400 Aug 19 j 07:56 | 0°♒ | | |
| | -12402 Jan 22 j 15:08 | 0°♑ | | | | -12400 Sep 12 j 12:00 | 0°♓ | | |
| asc. node | -12402 Feb 13 j 12:24 | 26°♑29'50 | | | | -12400 Oct 06 j 18:25 | 0°♈ | | |
| | -12402 Feb 16 j 10:15 | 0°♒ | | | | -12400 Oct 31 j 04:54 | 0°♉ | | |
| | -12402 Mar 13 j 13:46 | 0°♓ | | morning set | | -12400 Nov 22 j 03:20 | 26°♉48'13 | | |
| | -12402 Apr 08 j 06:00 | 0°♐ | | desc. node | | -12400 Nov 22 j 00:32 | 26°♉39'40 | | |
| | -12402 May 04 j 21:06 | 0°♑ | | | | -12400 Nov 24 j 18:11 | 0°♒ | | |
| evening max el | -12402 May 25 j 08:56 | 21°♑35'18 | 47°38'39 | | | -12400 Dec 19 j 07:35 | 0°♏ | | |
| | -12402 Jun 03 j 00:42 | 0°♒ | | max. Earth dist. | | -12400 Dec 27 j 22:46 | 10°♏33'54 | 1.73845 AU | |
| desc. node | -12402 Jun 07 j 08:23 | 3°♒58'07 | | | | | | | |
| greatest brilliancy | -12402 Jul 06 j 00:51 | 23°♒15'45 | -4.9m | superior conj | | -12400 Dec 30 j 09:02 | 13°♏32'26 | -1°10'33 | |
| retrograde | -12402 Jul 15 j 08:46 | 24°♒56'35 | | minimum elong | | -12400 Dec 30 j 02:01 | 13°♏10'55 | 1°10'34 | |
| evening set | -12402 Aug 02 j 03:49 | 18°♒47'48 | | | | -12399 Jan 12 j 18:56 | 0°♐ | | |
| min. Earth dist. | -12402 Aug 04 j 09:08 | 17°♒25'53 | 0.26843 AU | evening rise | | -12399 Feb 03 j 19:56 | 27°♐07'32 | | |
| inferior conj | -12402 Aug 05 j 03:40 | 16°♒57'07 | -8°43'11 | greatest brilliancy | | -12399 Feb 05 j 17:38 | 29°♐28'26 | -3.9m | |
| minimum elong | -12402 Aug 05 j 05:55 | 16°♒53'37 | 8°42'34 | | | -12399 Feb 06 j 03:53 | 0°♑ | | |
| morning rise | -12402 Aug 08 j 08:10 | 14°♒59'55 | | | | -12399 Mar 02 j 11:45 | 0°♒ | | |
| direct | -12402 Aug 25 j 07:05 | 9°♒18'08 | | asc. node | | -12399 Mar 12 j 23:36 | 12°♒56'07 | | |
| greatest brilliancy | -12402 Sep 03 j 21:31 | 11°♒04'59 | -4.9m | | | -12399 Mar 26 j 20:23 | 0°♓ | | |
| asc. node | -12402 Sep 26 j 13:15 | 25°♒23'38 | | | | -12399 Apr 20 j 07:21 | 0°♐ | | |
| | -12402 Oct 01 j 20:33 | 0°♓ | | | | -12399 May 14 j 22:19 | 0°♑ | | |
| morning max el | -12402 Oct 14 j 06:03 | 11°♓47'46 | 46°17'08 | | | -12399 Jun 08 j 20:44 | 0°♒ | | |
| | -12402 Oct 31 j 17:09 | 0°♈ | | | | -12399 Jul 04 j 10:47 | 0°♓ | | |
| | -12402 Nov 27 j 18:04 | 0°♉ | | desc. node | | -12399 Jul 04 j 18:04 | 0°♓20'55 | | |
| | -12402 Dec 23 j 21:34 | 0°♑ | | | | -12399 Jul 31 j 14:21 | 0°♈ | | |
| desc. node | -12401 Jan 18 j 02:31 | 29°♑29'54 | | evening max el | | -12399 Aug 04 j 23:02 | 4°♈30'56 | 47°32'05 | |
| | -12401 Jan 18 j 12:43 | 0°♏ | | | | -12399 Sep 02 j 19:59 | 0°♉ | | |
| | -12401 Feb 12 j 16:32 | 0°♐ | | greatest brilliancy | | -12399 Sep 14 j 16:48 | 6°♉27'21 | -4.9m | |
| | -12401 Mar 09 j 09:13 | 0°♑ | | retrograde | | -12399 Sep 25 j 02:22 | 8°♉32'13 | | |
| | -12401 Apr 02 j 16:15 | 0°♒ | | evening set | | -12399 Oct 10 j 05:22 | 3°♉49'09 | | |
| morning set | -12401 Apr 09 j 20:21 | 8°♒55'47 | | min. Earth dist. | | -12399 Oct 15 j 13:59 | 0°♉28'01 | 0.28193 AU | |
| | -12401 Apr 26 j 16:18 | 0°♓ | | inferior conj | | -12399 Oct 16 j 01:50 | 0°♉08'46 | -1°51'44 | |
| asc. node | -12401 May 08 j 22:33 | 15°♓24'59 | | minimum elong | | -12399 Oct 16 j 05:35 | 0°♉02'41 | 1°49'59 | |
| max. Earth dist. | -12401 May 13 j 21:50 | 21°♓40'36 | 1.71198 AU | | | -12399 Oct 16 j 07:14 | 30°♒♈ | | |
| | | | | morning rise | | -12399 Oct 22 j 06:43 | 26°♈18'44 | | |
| superior conj | -12401 May 16 j 05:23 | 24°♓35'40 | 0°16'51 | asc. node | | -12399 Oct 24 j 00:14 | 25°♈23'02 | | |
| minimum elong | -12401 May 16 j 01:56 | 24°♓24'49 | 0°16'14 | direct | | -12399 Nov 06 j 00:14 | 21°♈56'31 | | |
| | -12401 May 20 j 12:14 | 0°♐ | | greatest brilliancy | | -12399 Nov 15 j 00:57 | 23°♈28'49 | -4.8m | |
| | -12401 Jun 13 j 06:44 | 0°♑ | | | | -12399 Nov 28 j 01:17 | 0°♉ | | |
| evening rise | -12401 Jun 23 j 22:41 | 13°♑27'04 | | morning max el | | -12399 Dec 24 j 21:17 | 22°♉09'00 | 46°00'59 | |
| | -12401 Jul 07 j 02:10 | 0°♒ | | | | -12398 Jan 01 j 22:18 | 0°♑ | | |
| | -12401 Jul 31 j 00:49 | 0°♓ | | | | | | | |
| | -12401 Aug 24 j 04:30 | 0°♈ | | | | | | | |
| desc. node | -12401 Aug 30 j 12:39 | 7°♈49'23 | | | | | | | |
| | -12401 Sep 17 j 14:39 | 0°♉ | | | | | | | |
| | -12401 Oct 12 j 09:20 | 0°♑ | | | | | | | |
| | -12401 Nov 06 j 17:59 | 0°♏ | | | | | | | |
| | -12401 Dec 03 j 07:17 | 0°♐ | | | | | | | |
| asc. node | -12401 Dec 19 j 18:21 | 17°♐17'39 | | | | | | | |
| evening max el | -12401 Dec 27 j 13:38 | 24°♐57'01 | 44°48'33 | | | | | | |
| | -12400 Jan 02 j 00:01 | 0°♑ | | | | | | | |
| greatest brilliancy | -12400 Feb 03 j 03:21 | 21°♑50'03 | -4.7m | | | | | | |
| retrograde | -12400 Feb 13 j 11:20 | 23°♑42'23 | | | | | | | |
| evening set | -12400 Mar 01 j 09:32 | 18°♑25'53 | | | | | | | |
| inferior conj | -12400 Mar 05 j 17:45 | 15°♑50'58 | 7°03'56 | | | | | | |
| minimum elong | -12400 Mar 06 j 01:55 | 15°♑38'32 | 7°02'02 | | | | | | |
| min. Earth dist. | -12400 Mar 07 j 01:17 | 15°♑03'01 | 0.28573 AU | | | | | | |
| morning rise | -12400 Mar 10 j 17:47 | 12°♑52'20 | | | | | | | |
| direct | -12400 Mar 27 j 14:16 | 7°♑37'06 | | | | | | | |
| greatest brilliancy | -12400 Apr 08 j 02:36 | 9°♑59'37 | -4.8m | | | | | | |
| desc. node | -12400 Apr 11 j 13:52 | 11°♑31'22 | | | | | | | |
| | -12400 May 06 j 22:05 | 0°♒ | | | | | | | |
| morning max el | -12400 May 16 j 17:41 | 9°♒22'39 | 46°33'05 | | | | | | |
| | -12400 Jun 05 j 05:49 | 0°♓ | | | | | | | |