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|---------------------|-------------------|-----------|------------|---------------------|-------------------|-----------|------------|
| conjunction | 1799 Sep 15 09:47 | 22°♄30'15 | 0°56'58 | | 1804 Oct 17 07:11 | 0°♁ | |
| minimum elong | 1799 Sep 15 10:50 | 22°♄31'56 | 0°56'58 | retrograde | 1804 Dec 20 07:34 | 19°♁06'10 | |
| | 1799 Sep 27 00:15 | 0°♁ | | min. Earth dist. | 1805 Jan 27 20:38 | 9°♁53'21 | 0.66747 AU |
| morning rise | 1799 Oct 29 23:54 | 21°♁36'33 | | greatest brilliancy | 1805 Jan 29 02:29 | 9°♁23'24 | -1.3m |
| | 1799 Nov 11 14:31 | 0°♄ | | opposition | 1805 Jan 29 11:59 | 9°♁13'52 | 4°31'43 |
| | 1799 Dec 25 17:48 | 0°♂ | | | 1805 Mar 03 05:30 | 30°♁ | |
| desc. node | 1800 Jan 11 21:55 | 11°♂56'31 | | direct | 1805 Mar 10 11:55 | 29°♁39'51 | |
| | 1800 Feb 06 11:32 | 0°♁ | | | 1805 Mar 18 00:40 | 0°♁ | |
| | 1800 Mar 20 01:59 | 0°♂ | | | 1805 Jun 08 05:37 | 0°♄ | |
| | 1800 Apr 30 02:32 | 0°♂ | | | 1805 Jul 30 14:08 | 0°♁ | |
| | 1800 Jun 10 18:54 | 0°♃ | | desc. node | 1805 Sep 03 17:53 | 22°♁23'04 | |
| | 1800 Jul 26 10:33 | 0°♂ | | | 1805 Sep 15 04:26 | 0°♄ | |
| retrograde | 1800 Oct 03 05:09 | 25°♂01'51 | | | 1805 Oct 28 04:23 | 0°♂ | |
| min. Earth dist. | 1800 Oct 31 20:17 | 19°♂21'45 | 0.47706 AU | evening set | 1805 Dec 07 04:29 | 29°♂40'25 | |
| opposition | 1800 Nov 09 00:55 | 16°♂25'38 | 0°-9'-22 | | 1805 Dec 07 14:48 | 0°♁ | |
| greatest brilliancy | 1800 Nov 08 23:06 | 16°♂27'16 | -2.3m | | 1806 Jan 15 09:26 | 0°♂ | |
| asc. node | 1800 Nov 11 21:23 | 15°♂24'49 | | max. Earth dist. | 1806 Jan 23 02:06 | 6°♂02'45 | 2.37287 AU |
| direct | 1800 Dec 12 10:11 | 9°♂26'14 | | | | | |
| | 1801 Feb 17 22:45 | 0°♁ | | conjunction | 1806 Feb 07 22:02 | 18°♂31'48 | -1°-4'-51 |
| | 1801 Apr 14 15:19 | 0°♁ | | minimum elong | 1806 Feb 07 22:11 | 18°♂32'05 | 1°04'51 |
| | 1801 Jun 04 13:33 | 0°♁ | | | 1806 Feb 22 10:26 | 0°♂ | |
| | 1801 Jul 23 13:19 | 0°♄ | | | 1806 Apr 01 15:56 | 0°♃ | |
| evening set | 1801 Sep 07 01:13 | 28°♄52'30 | | morning rise | 1806 Apr 19 13:41 | 13°♃48'47 | |
| | 1801 Sep 08 18:54 | 0°♁ | | | 1806 May 10 22:40 | 0°♂ | |
| max. Earth dist. | 1801 Sep 29 15:36 | 13°♁39'40 | 2.60133 AU | | 1806 Jun 21 00:51 | 0°♁ | |
| | | | | asc. node | 1806 Jul 04 19:16 | 9°♁41'07 | |
| conjunction | 1801 Oct 23 12:53 | 29°♁39'33 | 0°21'33 | | 1806 Aug 03 15:00 | 0°♁ | |
| minimum elong | 1801 Oct 23 13:39 | 29°♁40'51 | 0°21'32 | | 1806 Sep 19 15:12 | 0°♁ | |
| | 1801 Oct 24 00:57 | 0°♄ | | | 1806 Nov 12 03:46 | 0°♄ | |
| desc. node | 1801 Nov 29 20:34 | 25°♄28'28 | | retrograde | 1807 Jan 23 20:56 | 22°♄24'56 | |
| | 1801 Dec 06 05:57 | 0°♂ | | opposition | 1807 Mar 04 12:25 | 13°♄02'55 | 4°09'27 |
| morning rise | 1801 Dec 10 11:12 | 3°♂00'15 | | greatest brilliancy | 1807 Mar 04 21:58 | 12°♄53'29 | -1.2m |
| | 1802 Jan 16 14:41 | 0°♁ | | min. Earth dist. | 1807 Mar 06 18:13 | 12°♄09'42 | 0.67102 AU |
| | 1802 Feb 25 13:16 | 0°♂ | | direct | 1807 Apr 14 19:42 | 3°♄02'57 | |
| | 1802 Apr 05 16:24 | 0°♂ | | | 1807 Jul 05 04:36 | 0°♁ | |
| | 1802 May 14 20:28 | 0°♃ | | desc. node | 1807 Jul 22 16:58 | 9°♁43'39 | |
| | 1802 Jun 24 05:30 | 0°♂ | | | 1807 Aug 24 19:41 | 0°♄ | |
| | 1802 Aug 06 18:29 | 0°♁ | | | 1807 Oct 07 23:00 | 0°♂ | |
| | 1802 Sep 28 18:41 | 0°♁ | | | 1807 Nov 17 16:00 | 0°♁ | |
| asc. node | 1802 Sep 29 20:13 | 0°♁28'50 | | | 1807 Dec 26 10:39 | 0°♂ | |
| retrograde | 1802 Nov 15 12:05 | 12°♁28'57 | | greatest brilliancy | 1808 Jan 28 07:09 | 25°♂55'18 | 1.2m |
| min. Earth dist. | 1802 Dec 19 14:37 | 4°♁45'19 | 0.59883 AU | | 1808 Feb 02 11:02 | 0°♂ | |
| greatest brilliancy | 1802 Dec 24 01:49 | 2°♁59'05 | -1.6m | evening set | 1808 Feb 13 17:36 | 8°♂53'16 | |
| opposition | 1802 Dec 25 01:03 | 2°♁36'00 | 3°25'17 | | 1808 Mar 11 17:58 | 0°♃ | |
| | 1802 Dec 31 19:05 | 30°♁ | | | 1808 Apr 20 04:24 | 0°♂ | |
| direct | 1803 Jan 31 09:45 | 23°♁56'33 | | | | | |
| | 1803 Mar 06 10:30 | 0°♁ | | conjunction | 1808 Apr 20 15:10 | 0°♂20'04 | 0°-19'-55 |
| | 1803 May 11 18:32 | 0°♁ | | minimum elong | 1808 Apr 20 16:46 | 0°♂23'02 | 0°19'55 |
| | 1803 Jul 03 11:45 | 0°♄ | | asc. node | 1808 May 21 17:41 | 23°♂05'28 | |
| | 1803 Aug 21 00:04 | 0°♁ | | | 1808 May 31 09:58 | 0°♁ | |
| | 1803 Oct 05 11:25 | 0°♄ | | max. Earth dist. | 1808 Jun 05 15:00 | 3°♁41'02 | 2.47917 AU |
| evening set | 1803 Oct 17 18:22 | 8°♄25'54 | | morning rise | 1808 Jun 21 05:06 | 14°♁33'56 | |
| desc. node | 1803 Oct 17 18:52 | 8°♄26'47 | | | 1808 Jul 13 20:10 | 0°♁ | |
| max. Earth dist. | 1803 Nov 01 13:53 | 18°♄46'49 | 2.49152 AU | | 1808 Aug 28 15:23 | 0°♁ | |
| | 1803 Nov 17 07:41 | 0°♂ | | | 1808 Oct 16 05:27 | 0°♄ | |
| | | | | | 1808 Dec 08 19:19 | 0°♁ | |
| conjunction | 1803 Dec 08 06:24 | 15°♂16'17 | 0°-30'-31 | retrograde | 1809 Mar 02 03:32 | 27°♁14'21 | |
| minimum elong | 1803 Dec 08 04:56 | 15°♂13'33 | 0°30'31 | opposition | 1809 Apr 09 01:10 | 18°♁46'08 | 2°23'26 |
| | 1803 Dec 28 00:10 | 0°♁ | | greatest brilliancy | 1809 Apr 09 19:15 | 18°♁28'52 | -1.5m |
| morning rise | 1804 Feb 04 03:14 | 29°♁12'09 | | min. Earth dist. | 1809 Apr 15 00:34 | 16°♁29'20 | 0.60882 AU |
| | 1804 Feb 05 03:53 | 0°♂ | | direct | 1809 May 20 01:25 | 8°♁53'26 | |
| | 1804 Mar 14 12:59 | 0°♂ | | desc. node | 1809 Jun 08 15:06 | 11°♁10'49 | |
| | 1804 Apr 22 00:01 | 0°♃ | | | 1809 Jul 26 01:09 | 0°♄ | |
| | 1804 May 31 11:00 | 0°♂ | | | 1809 Sep 13 12:11 | 0°♂ | |
| | 1804 Jul 11 22:20 | 0°♁ | | | 1809 Oct 25 19:33 | 0°♁ | |
| asc. node | 1804 Aug 16 20:09 | 24°♁13'43 | | | 1809 Dec 04 06:43 | 0°♂ | |
| | 1804 Aug 25 20:40 | 0°♁ | | | 1810 Jan 11 18:04 | 0°♂ | |

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|---------------------|-------------------|-----------|------------|--|---------------------|--|-------------------|-----------|------------|
| | 1810 Feb 19 11:54 | 0°♃ | | | | | 1815 Jan 03 11:59 | 0°♁ | |
| | 1810 Mar 31 10:26 | 0°♂ | | | desc. node | | 1815 Jan 29 13:13 | 17°♁48'21 | |
| asc. node | 1810 Apr 08 17:23 | 6°♂04'25 | | | | | 1815 Feb 16 04:35 | 0°♁ | |
| evening set | 1810 Apr 20 00:39 | 14°♂15'43 | | | | | 1815 Mar 31 02:02 | 0°♁ | |
| | 1810 May 12 04:00 | 0°♂ | | | | | 1815 May 12 21:56 | 0°♁ | |
| | | | | | | | 1815 Jun 27 00:25 | 0°♃ | |
| conjunction | 1810 Jun 15 12:41 | 23°♂40'17 | 0°39'10 | | | | 1815 Sep 02 11:35 | 0°♂ | |
| minimum elong | 1810 Jun 15 11:03 | 23°♂37'31 | 0°39'09 | | retrograde | | 1815 Sep 12 22:23 | 0°♂46'42 | |
| | 1810 Jun 24 22:15 | 0°♁ | | | | | 1815 Sep 23 06:53 | 30°♃ | |
| max. Earth dist. | 1810 Jul 10 09:38 | 10°♁18'03 | 2.59549 AU | | min. Earth dist. | | 1815 Oct 09 19:35 | 25°♃55'43 | 0.42566 AU |
| morning rise | 1810 Aug 05 12:21 | 27°♁22'28 | | | greatest brilliancy | | 1815 Oct 16 15:41 | 23°♃42'17 | -2.6m |
| | 1810 Aug 09 13:53 | 0°♂ | | | opposition | | 1815 Oct 17 15:12 | 23°♃23'05 | -2°-34'00 |
| | 1810 Sep 25 19:52 | 0°♁ | | | direct | | 1815 Nov 18 00:29 | 17°♃19'34 | |
| | 1810 Nov 13 15:31 | 0°♁ | | | asc. node | | 1815 Nov 29 13:43 | 18°♃10'17 | |
| | 1811 Jan 04 04:48 | 0°♂ | | | | | 1816 Jan 06 13:39 | 0°♂ | |
| | 1811 Mar 06 21:11 | 0°♁ | | | | | 1816 Mar 04 05:04 | 0°♂ | |
| retrograde | 1811 Apr 20 10:13 | 9°♁44'34 | | | | | 1816 Apr 24 00:28 | 0°♁ | |
| desc. node | 1811 Apr 26 14:28 | 9°♁30'10 | | | | | 1816 Jun 12 07:01 | 0°♂ | |
| opposition | 1811 May 24 23:16 | 2°♁48'48 | -1°-25'-47 | | | | 1816 Jul 30 14:25 | 0°♁ | |
| greatest brilliancy | 1811 May 25 15:35 | 2°♁34'44 | -2.1m | | evening set | | 1816 Aug 23 11:57 | 15°♁07'33 | |
| | 1811 Jun 02 03:48 | 30°♂ | | | | | 1816 Sep 15 14:54 | 0°♁ | |
| min. Earth dist. | 1811 Jun 02 09:46 | 29°♂55'02 | 0.49034 AU | | max. Earth dist. | | 1816 Sep 19 09:09 | 2°♁26'41 | 2.63191 AU |
| direct | 1811 Jul 01 21:37 | 24°♂18'25 | | | | | | | |
| | 1811 Aug 01 04:08 | 0°♁ | | | conjunction | | 1816 Oct 08 05:43 | 14°♁49'02 | 0°37'47 |
| | 1811 Sep 27 00:34 | 0°♁ | | | minimum elong | | 1816 Oct 08 06:49 | 14°♁50'51 | 0°37'47 |
| | 1811 Nov 09 02:41 | 0°♁ | | | | | 1816 Oct 30 22:55 | 0°♂ | |
| | 1811 Dec 19 11:11 | 0°♁ | | | morning rise | | 1816 Nov 23 07:14 | 15°♂56'38 | |
| | 1812 Jan 28 14:27 | 0°♃ | | | | | 1816 Dec 13 11:04 | 0°♁ | |
| asc. node | 1812 Feb 24 15:59 | 19°♃51'04 | | | desc. node | | 1816 Dec 16 11:52 | 2°♁08'20 | |
| | 1812 Mar 09 18:00 | 0°♂ | | | | | 1817 Jan 24 06:16 | 0°♁ | |
| | 1812 Apr 21 12:44 | 0°♂ | | | | | 1817 Mar 05 17:03 | 0°♁ | |
| | 1812 Jun 05 02:22 | 0°♁ | | | | | 1817 Apr 14 08:49 | 0°♁ | |
| evening set | 1812 Jun 07 21:41 | 1°♁51'07 | | | | | 1817 May 24 02:55 | 0°♃ | |
| | 1812 Jul 21 03:44 | 0°♂ | | | | | 1817 Jul 04 10:30 | 0°♂ | |
| | | | | | | | 1817 Aug 19 14:23 | 0°♂ | |
| conjunction | 1812 Jul 27 02:18 | 3°♂49'01 | 1°06'33 | | asc. node | | 1817 Oct 16 13:49 | 24°♂38'39 | |
| minimum elong | 1812 Jul 27 01:38 | 3°♂47'57 | 1°06'33 | | retrograde | | 1817 Oct 30 23:58 | 26°♂02'43 | |
| max. Earth dist. | 1812 Aug 04 04:43 | 9°♂00'33 | 2.66199 AU | | min. Earth dist. | | 1817 Dec 02 00:56 | 19°♂03'23 | 0.55563 AU |
| | 1812 Sep 06 03:08 | 0°♁ | | | greatest brilliancy | | 1817 Dec 07 21:35 | 16°♂46'59 | -1.8m |
| morning rise | 1812 Sep 10 22:57 | 3°♁03'53 | | | opposition | | 1817 Dec 08 19:23 | 16°♂25'48 | 2°25'06 |
| | 1812 Oct 23 10:50 | 0°♁ | | | direct | | 1818 Jan 13 18:14 | 8°♂18'44 | |
| | 1812 Dec 09 20:42 | 0°♂ | | | | | 1818 Mar 26 05:06 | 0°♁ | |
| desc. node | 1813 Jan 26 16:02 | 0°♁ | | | | | 1818 May 21 11:51 | 0°♂ | |
| | 1813 Mar 13 14:20 | 27°♁56'26 | | | | | 1818 Jul 11 06:34 | 0°♁ | |
| | 1813 Mar 17 02:25 | 0°♁ | | | | | 1818 Aug 28 03:41 | 0°♁ | |
| | 1813 May 12 19:04 | 0°♁ | | | evening set | | 1818 Oct 01 03:27 | 22°♁20'19 | |
| retrograde | 1813 Jul 01 01:25 | 12°♁34'40 | | | | | 1818 Oct 12 11:39 | 0°♂ | |
| opposition | 1813 Jul 31 06:58 | 7°♁35'43 | -6°-41'-17 | | max. Earth dist. | | 1818 Oct 18 02:45 | 3°♂50'31 | 2.53916 AU |
| greatest brilliancy | 1813 Aug 01 03:55 | 7°♁21'36 | -2.8m | | desc. node | | 1818 Nov 03 10:30 | 15°♂08'13 | |
| min. Earth dist. | 1813 Aug 03 02:58 | 6°♁49'59 | 0.37908 AU | | | | | | |
| direct | 1813 Aug 31 01:06 | 2°♁18'34 | | | conjunction | | 1818 Nov 19 01:14 | 26°♂09'08 | 0°-9'-24 |
| | 1813 Nov 13 16:57 | 0°♁ | | | minimum elong | | 1818 Nov 19 00:49 | 26°♂08'23 | 0°09'25 |
| | 1813 Dec 31 00:49 | 0°♃ | | | behind sun begin | | 1818 Nov 18 07:08 | 25°♂36'56 | |
| asc. node | 1814 Jan 11 13:50 | 7°♃39'11 | | | behind sun end | | 1818 Nov 19 18:29 | 26°♂39'51 | |
| | 1814 Feb 14 01:20 | 0°♂ | | | | | 1818 Nov 24 10:29 | 0°♁ | |
| | 1814 Mar 31 08:26 | 0°♂ | | | | | 1819 Jan 04 08:13 | 0°♁ | |
| | 1814 May 16 14:16 | 0°♁ | | | morning rise | | 1819 Jan 10 23:09 | 4°♁58'29 | |
| | 1814 Jul 02 15:35 | 0°♂ | | | | | 1819 Feb 12 18:02 | 0°♁ | |
| evening set | 1814 Jul 18 08:12 | 9°♂56'50 | | | | | 1819 Mar 23 08:39 | 0°♁ | |
| | 1814 Aug 18 22:50 | 0°♁ | | | | | 1819 May 01 00:15 | 0°♃ | |
| max. Earth dist. | 1814 Aug 27 07:02 | 5°♁18'29 | 2.67396 AU | | | | 1819 Jun 09 16:19 | 0°♂ | |
| | | | | | | | 1819 Jul 21 14:05 | 0°♂ | |
| conjunction | 1814 Sep 02 07:04 | 9°♁07'59 | 1°04'34 | | asc. node | | 1819 Sep 03 12:03 | 28°♂33'06 | |
| minimum elong | 1814 Sep 02 07:48 | 9°♁09'08 | 1°04'34 | | | | 1819 Sep 05 21:45 | 0°♁ | |
| | 1814 Oct 04 19:33 | 0°♁ | | | | | 1819 Nov 06 03:40 | 0°♂ | |
| morning rise | 1814 Oct 16 14:52 | 7°♁38'50 | | | retrograde | | 1819 Dec 07 19:35 | 5°♂43'31 | |
| | 1814 Nov 19 17:25 | 0°♂ | | | | | 1820 Jan 06 01:39 | 30°♁ | |

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| min. Earth dist. | 1820 Jan 13 18:13 | 27°☾02'07 | 0.64811 AU | | | 1825 Feb 27 06:03 | 0°♊ |
| greatest brilliancy | 1820 Jan 16 05:24 | 26°☾02'44 | -1.4m | evening set | | 1825 Mar 27 06:22 | 21°♊18'23 |
| opposition | 1820 Jan 16 21:55 | 25°☾46'10 | 4°18'17 | | | 1825 Apr 07 22:16 | 0°♋ |
| direct | 1820 Feb 25 00:53 | 16°☾29'46 | | | asc. node | 1825 Apr 25 08:34 | 12°♋47'07 |
| | 1820 Apr 19 11:42 | 0°♌ | | | | 1825 May 19 09:40 | 0°♌ |
| | 1820 Jun 18 05:40 | 0°♍ | | | | | |
| | 1820 Aug 07 13:22 | 0°♎ | | | conjunction | 1825 May 26 22:37 | 5°♌17'57 0°19'34 |
| desc. node | 1820 Sep 20 09:20 | 28°♎31'10 | | | minimum elong | 1825 May 26 21:28 | 5°♌15'57 0°19'34 |
| | 1820 Sep 22 13:56 | 0°♏ | | | max. Earth dist. | 1825 Jun 28 18:51 | 27°♌51'37 2.55536 AU |
| | 1820 Nov 04 11:24 | 0°♐ | | | | 1825 Jul 01 23:07 | 0°♍ |
| evening set | 1820 Nov 15 06:12 | 7°♐50'22 | | | morning rise | 1825 Jul 20 07:20 | 12°♍13'18 |
| max. Earth dist. | 1820 Dec 04 01:39 | 21°♐46'30 | 2.41232 AU | | | 1825 Aug 16 13:52 | 0°♎ |
| | 1820 Dec 14 23:27 | 0°♑ | | | | 1825 Oct 03 03:36 | 0°♏ |
| | | | | | | 1825 Nov 22 03:04 | 0°♐ |
| conjunction | 1821 Jan 11 22:23 | 21°♑28'25 | 0°-58'-28 | | | 1826 Jan 16 16:13 | 0°♑ |
| minimum elong | 1821 Jan 11 20:24 | 21°♑24'34 | 0°58'28 | retrograde | | 1826 Mar 30 05:04 | 21°♑51'01 |
| | 1821 Jan 22 20:58 | 0°♒ | | opposition | | 1826 May 05 06:53 | 14°♑12'31 0°22'05 |
| | 1821 Mar 02 00:16 | 0°♓ | | greatest brilliancy | | 1826 May 05 11:21 | 14°♑08'28 -1.9m |
| morning rise | 1821 Mar 20 04:34 | 14°♓18'20 | | min. Earth dist. | | 1826 May 13 02:13 | 11°♑22'18 0.54195 AU |
| | 1821 Apr 09 06:45 | 0°♈ | | desc. node | | 1826 May 13 06:09 | 11°♑18'48 |
| | 1821 May 18 13:34 | 0°♉ | | direct | | 1826 Jun 13 21:38 | 4°♑55'32 |
| | 1821 Jun 28 16:41 | 0°♊ | | | | 1826 Aug 24 13:52 | 0°♒ |
| asc. node | 1821 Jul 21 10:59 | 15°♊50'46 | | | | 1826 Oct 09 17:32 | 0°♓ |
| | 1821 Aug 11 13:23 | 0°♋ | | | | 1826 Nov 19 14:09 | 0°♔ |
| | 1821 Sep 28 16:33 | 0°♌ | | | | 1826 Dec 28 20:44 | 0°♕ |
| | 1821 Nov 27 08:35 | 0°♍ | | | | 1827 Feb 06 05:39 | 0°♖ |
| retrograde | 1822 Jan 10 07:05 | 9°♍43'10 | | asc. node | | 1827 Mar 13 07:45 | 26°♖02'58 |
| opposition | 1822 Feb 19 06:42 | 0°♎06'42 | 4°27'18 | | | 1827 Mar 18 18:01 | 0°♗ |
| greatest brilliancy | 1822 Feb 19 09:08 | 0°♎04'16 | -1.2m | | | 1827 Apr 30 00:04 | 0°♘ |
| | 1822 Feb 19 13:24 | 30°♏ | | evening set | | 1827 May 22 02:01 | 15°♘09'24 |
| min. Earth dist. | 1822 Feb 20 00:06 | 29°♏49'20 | 0.67753 AU | | | 1827 Jun 13 03:58 | 0°♙ |
| direct | 1822 Apr 01 05:33 | 20°♏13'48 | | | | | |
| | 1822 May 16 02:51 | 0°♐ | | conjunction | | 1827 Jul 12 13:25 | 19°♙20'54 0°59'46 |
| | 1822 Jul 15 20:38 | 0°♑ | | minimum elong | | 1827 Jul 12 12:12 | 19°♙18'55 0°59'45 |
| desc. node | 1822 Aug 08 08:21 | 14°♑03'40 | | max. Earth dist. | | 1827 Jul 26 16:19 | 28°♙30'30 2.64241 AU |
| | 1822 Sep 02 06:18 | 0°♒ | | | | 1827 Jul 28 23:46 | 0°♚ |
| | 1822 Oct 15 19:09 | 0°♓ | | morning rise | | 1827 Aug 28 21:57 | 19°♚48'16 |
| | 1822 Nov 25 08:02 | 0°♔ | | | | 1827 Sep 13 23:38 | 0°♛ |
| | 1823 Jan 03 01:48 | 0°♕ | | | | 1827 Oct 31 16:59 | 0°♜ |
| evening set | 1823 Jan 16 10:08 | 10°♕30'49 | | | | 1827 Dec 19 04:49 | 0°♝ |
| | 1823 Feb 10 01:39 | 0°♖ | | | | 1828 Feb 07 13:19 | 0°♞ |
| | 1823 Mar 20 07:05 | 0°♗ | | desc. node | | 1828 Mar 30 05:04 | 27°♞25'27 |
| | | | | | | 1828 Apr 04 20:22 | 0°♟ |
| conjunction | 1823 Mar 25 10:16 | 3°♗58'33 | 0°-45'-12 | retrograde | | 1828 May 30 13:36 | 14°♟44'08 |
| minimum elong | 1823 Mar 25 13:29 | 4°♗04'47 | 0°45'11 | opposition | | 1828 Jul 01 02:16 | 9°♟08'20 -4°-56'-58 |
| | 1823 Apr 28 14:57 | 0°♘ | | greatest brilliancy | | 1828 Jul 02 16:28 | 8°♟39'54 -2.6m |
| max. Earth dist. | 1823 May 15 15:21 | 12°♘36'03 | 2.42501 AU | min. Earth dist. | | 1828 Jul 07 23:42 | 7°♟05'40 0.41235 AU |
| morning rise | 1823 May 31 06:09 | 23°♘56'10 | | direct | | 1828 Aug 03 22:49 | 2°♟34'39 |
| asc. node | 1823 Jun 08 10:31 | 29°♘47'19 | | | | 1828 Oct 15 18:43 | 0°♠ |
| | 1823 Jun 08 17:39 | 0°♙ | | | | 1828 Nov 30 05:03 | 0°♡ |
| | 1823 Jul 22 02:54 | 0°♚ | | | | 1829 Jan 11 20:43 | 0°♢ |
| | 1823 Sep 06 04:12 | 0°♛ | | asc. node | | 1829 Jan 28 07:12 | 11°♢35'10 |
| | 1823 Oct 25 21:14 | 0°♜ | | | | 1829 Feb 23 16:00 | 0°♣ |
| | 1823 Dec 23 15:34 | 0°♝ | | | | 1829 Apr 08 15:20 | 0°♤ |
| retrograde | 1824 Feb 15 10:27 | 13°♝22'07 | | | | 1829 May 24 01:01 | 0°♥ |
| opposition | 1824 Mar 25 04:24 | 4°♞29'18 | 3°15'54 | evening set | | 1829 Jul 03 07:16 | 25°♥58'14 |
| greatest brilliancy | 1824 Mar 25 21:42 | 4°♞12'29 | -1.4m | | | 1829 Jul 09 14:29 | 0°♦ |
| min. Earth dist. | 1824 Mar 29 17:48 | 2°♞43'00 | 0.64092 AU | max. Earth dist. | | 1829 Aug 18 13:15 | 25°♦26'43 2.67573 AU |
| | 1824 Apr 06 01:23 | 30°♧ | | | | | |
| direct | 1824 May 05 12:57 | 24°♧28'11 | | conjunction | | 1829 Aug 19 03:34 | 25°♧49'28 1°08'28 |
| | 1824 Jun 06 08:49 | 0°♨ | | minimum elong | | 1829 Aug 19 03:49 | 25°♧49'53 1°08'28 |
| desc. node | 1824 Jun 25 07:42 | 7°♨12'41 | | | | 1829 Aug 25 17:03 | 0°♩ |
| | 1824 Aug 07 19:06 | 0°♪ | | morning rise | | 1829 Oct 02 16:59 | 24°♩15'00 |
| | 1824 Sep 23 01:46 | 0°♫ | | | | 1829 Oct 11 16:09 | 0°♪ |
| | 1824 Nov 03 11:30 | 0°♬ | | | | 1829 Nov 27 00:37 | 0°♫ |
| | 1824 Dec 12 13:12 | 0°♭ | | | | 1830 Jan 11 15:39 | 0°♬ |
| | 1825 Jan 19 18:15 | 0°♧ | | desc. node | | 1830 Feb 15 04:43 | 22°♬58'19 |

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| | 1830 Feb 25 17:22 | 0°☾ | | opposition | 1835 Jan 02 15:22 | 11°☾35'29 | 3°50'01 |
| | 1830 Apr 11 19:06 | 0°≈ | | direct | 1835 Feb 09 16:28 | 2°☾41'26 | |
| | 1830 May 28 16:57 | 0°☿ | | | 1835 May 04 12:49 | 0°♁ | |
| | 1830 Jul 31 20:25 | 0°♃ | | | 1835 Jun 28 01:04 | 0°♄ | |
| retrograde | 1830 Aug 18 14:37 | 2°♃08'25 | | | 1835 Aug 16 03:00 | 0°♅ | |
| | 1830 Sep 05 13:04 | 30°☿ | | | 1835 Sep 30 19:00 | 0°♆ | |
| min. Earth dist. | 1830 Sep 14 12:03 | 27°☿40'56 | 0.38667 AU | desc. node | 1835 Oct 08 01:29 | 4°♆57'39 | |
| greatest brilliancy | 1830 Sep 18 14:38 | 26°☿30'01 | -2.8m | evening set | 1835 Oct 27 21:06 | 18°♆44'52 | |
| opposition | 1830 Sep 19 16:21 | 26°☿11'26 | -5°-13'-51 | max. Earth dist. | 1835 Nov 11 12:50 | 29°♆11'08 | 2.46312 AU |
| direct | 1830 Oct 19 12:49 | 20°☿59'40 | | | 1835 Nov 12 16:00 | 0°♁ | |
| | 1830 Nov 28 11:12 | 0°♃ | | | | | |
| asc. node | 1830 Dec 16 05:56 | 7°♃57'23 | | conjunction | 1835 Dec 20 07:10 | 27°♁44'35 | 0°-42'-5 |
| | 1831 Jan 25 15:38 | 0°♃ | | minimum elong | 1835 Dec 20 05:11 | 27°♁40'52 | 0°42'05 |
| | 1831 Mar 16 04:59 | 0°♄ | | | 1835 Dec 23 06:58 | 0°☾ | |
| | 1831 May 03 12:51 | 0°☾ | | | 1836 Jan 31 08:18 | 0°≈ | |
| | 1831 Jun 20 16:45 | 0°♁ | | morning rise | 1836 Feb 19 12:50 | 15°≈00'16 | |
| | 1831 Aug 07 12:13 | 0°♄ | | | 1836 Mar 09 15:02 | 0°☿ | |
| evening set | 1831 Aug 10 03:08 | 1°♄39'31 | | greatest brilliancy | 1836 Mar 26 06:09 | 13°☿03'15 | 1.2m |
| max. Earth dist. | 1831 Sep 10 17:15 | 21°♄48'21 | 2.65470 AU | | 1836 Apr 16 23:47 | 0°♃ | |
| | 1831 Sep 23 09:46 | 0°♅ | | | 1836 May 26 08:17 | 0°♃ | |
| | | | | | 1836 Jul 06 15:00 | 0°♄ | |
| conjunction | 1831 Sep 24 14:47 | 0°♅47'03 | 0°50'52 | asc. node | 1836 Aug 07 02:47 | 21°♄33'56 | |
| minimum elong | 1831 Sep 24 15:55 | 0°♅48'52 | 0°50'52 | | 1836 Aug 20 00:04 | 0°☾ | |
| | 1831 Nov 07 21:50 | 0°♆ | | | 1836 Oct 09 04:28 | 0°♁ | |
| morning rise | 1831 Nov 08 13:27 | 0°♆26'11 | | retrograde | 1836 Dec 27 23:04 | 26°♁58'50 | |
| | 1831 Dec 21 19:40 | 0°♁ | | min. Earth dist. | 1837 Feb 05 07:32 | 17°♁30'37 | 0.67398 AU |
| desc. node | 1832 Jan 03 03:26 | 8°♁37'12 | | opposition | 1837 Feb 06 02:56 | 17°♁11'11 | 4°33'31 |
| | 1832 Feb 02 04:47 | 0°☾ | | greatest brilliancy | 1837 Feb 05 21:38 | 17°♁16'29 | -1.2m |
| | 1832 Mar 14 08:04 | 0°≈ | | direct | 1837 Mar 18 12:34 | 7°♁29'29 | |
| | 1832 Apr 23 18:15 | 0°☿ | | | 1837 May 31 15:42 | 0°♄ | |
| | 1832 Jun 03 11:52 | 0°♃ | | | 1837 Jul 25 00:54 | 0°♅ | |
| | 1832 Jul 16 17:51 | 0°♃ | | desc. node | 1837 Aug 25 00:41 | 19°♅22'02 | |
| | 1832 Sep 09 14:52 | 0°♄ | | | 1837 Sep 10 04:49 | 0°♆ | |
| retrograde | 1832 Oct 13 22:24 | 7°♄24'19 | | | 1837 Oct 23 09:30 | 0°♁ | |
| asc. node | 1832 Nov 02 04:55 | 4°♄40'14 | | | 1837 Dec 02 20:59 | 0°☾ | |
| min. Earth dist. | 1832 Nov 12 18:29 | 1°♄14'49 | 0.50596 AU | evening set | 1837 Dec 20 19:39 | 13°☾46'03 | |
| | 1832 Nov 16 03:41 | 30°♃ | | | 1838 Jan 10 15:15 | 0°≈ | |
| greatest brilliancy | 1832 Nov 20 03:29 | 28°♃30'13 | -2.1m | | 1838 Feb 17 15:29 | 0°☿ | |
| opposition | 1832 Nov 20 14:33 | 28°♃19'54 | 0°56'57 | | | | |
| direct | 1832 Dec 24 22:48 | 20°♃53'38 | | conjunction | 1838 Feb 24 04:34 | 5°☿10'19 | -1°-1'-53 |
| | 1833 Feb 04 18:52 | 0°♄ | | minimum elong | 1838 Feb 24 06:27 | 5°☿14'02 | 1°01'53 |
| | 1833 Apr 07 19:26 | 0°☾ | | | 1838 Mar 27 20:09 | 0°♃ | |
| | 1833 May 30 03:31 | 0°♁ | | max. Earth dist. | 1838 Mar 31 08:56 | 2°♃44'36 | 2.37695 AU |
| | 1833 Jul 18 16:30 | 0°♄ | | morning rise | 1838 May 05 16:35 | 29°♃42'04 | |
| | 1833 Sep 04 03:13 | 0°♅ | | | 1838 May 06 02:10 | 0°♃ | |
| evening set | 1833 Sep 15 14:49 | 7°♅28'18 | | | 1838 Jun 16 03:13 | 0°♄ | |
| max. Earth dist. | 1833 Oct 06 01:07 | 20°♅59'14 | 2.58094 AU | asc. node | 1838 Jun 25 01:34 | 6°♄19'12 | |
| | 1833 Oct 19 10:01 | 0°♆ | | | 1838 Jul 29 13:39 | 0°☾ | |
| | | | | | 1838 Sep 14 02:10 | 0°♁ | |
| conjunction | 1833 Nov 01 18:54 | 9°♆08'41 | 0°10'49 | | 1838 Nov 04 16:38 | 0°♄ | |
| minimum elong | 1833 Nov 01 19:19 | 9°♆09'25 | 0°10'49 | | 1839 Jan 25 13:17 | 0°♅ | |
| behind sun begin | 1833 Nov 01 04:00 | 8°♆43'03 | | retrograde | 1839 Jan 31 21:32 | 0°♅14'29 | |
| behind sun end | 1833 Nov 02 10:38 | 9°♆35'48 | | | 1839 Feb 07 01:55 | 30°♄ | |
| desc. node | 1833 Nov 20 01:54 | 21°♆53'03 | | opposition | 1839 Mar 12 06:34 | 21°♄01'48 | 3°53'19 |
| | 1833 Dec 01 13:02 | 0°♁ | | greatest brilliancy | 1839 Mar 12 19:27 | 20°♄49'06 | -1.3m |
| morning rise | 1833 Dec 21 04:04 | 14°♁08'00 | | min. Earth dist. | 1839 Mar 15 08:07 | 19°♄49'24 | 0.66314 AU |
| | 1834 Jan 11 17:56 | 0°☾ | | direct | 1839 Apr 22 15:54 | 11°♄00'02 | |
| | 1834 Feb 20 11:53 | 0°≈ | | | 1839 Jun 26 21:05 | 0°♅ | |
| | 1834 Mar 31 10:17 | 0°☿ | | desc. node | 1839 Jul 12 22:58 | 8°♅15'33 | |
| | 1834 May 09 08:56 | 0°♃ | | | 1839 Aug 18 22:30 | 0°♆ | |
| | 1834 Jun 18 09:46 | 0°♃ | | | 1839 Oct 02 17:00 | 0°♁ | |
| | 1834 Jul 31 02:40 | 0°♄ | | | 1839 Nov 12 15:28 | 0°☾ | |
| | 1834 Sep 18 07:53 | 0°☾ | | | 1839 Dec 21 12:27 | 0°≈ | |
| asc. node | 1834 Sep 20 04:52 | 0°☾59'44 | | | 1840 Jan 28 14:13 | 0°☿ | |
| retrograde | 1834 Nov 23 20:03 | 21°☾32'10 | | evening set | 1840 Feb 29 13:22 | 25°☿03'42 | |
| min. Earth dist. | 1834 Dec 28 23:45 | 13°☾26'52 | 0.61890 AU | | 1840 Mar 06 22:10 | 0°♃ | |
| greatest brilliancy | 1835 Jan 01 17:31 | 11°☾57'19 | -1.5m | | 1840 Apr 15 09:35 | 0°♃ | |

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|---------------------|-------------------|-----------|------------|---------------------|-------------------|-----------|------------|
| conjunction | 1840 May 04 14:15 | 14°♄08'15 | 0°-4'-50 | | 1845 Mar 08 19:01 | 0°♁ | |
| minimum elong | 1840 May 04 14:36 | 14°♄08'54 | 0°04'51 | | 1845 Apr 27 14:30 | 0°♁ | |
| behind sun begin | 1840 May 03 13:36 | 13°♄23'21 | | | 1845 Jul 10 20:27 | 0°♄ | |
| behind sun end | 1840 May 05 15:36 | 14°♄54'23 | | retrograde | 1845 Jul 19 12:19 | 0°♄28'37 | |
| asc. node | 1840 May 12 01:53 | 19°♄33'51 | | | 1845 Jul 28 02:02 | 30°♁ | |
| | 1840 May 26 15:59 | 0°♁ | | opposition | 1845 Aug 18 15:17 | 25°♁27'59 | -6°-49'-20 |
| max. Earth dist. | 1840 Jun 15 03:06 | 13°♁38'33 | 2.50764 AU | min. Earth dist. | 1845 Aug 18 11:32 | 25°♁30'27 | 0.37302 AU |
| morning rise | 1840 Jul 02 09:13 | 25°♁28'34 | | greatest brilliancy | 1845 Aug 18 17:18 | 25°♁26'39 | -2.9m |
| | 1840 Jul 09 01:46 | 0°♁ | | direct | 1845 Sep 17 08:00 | 20°♁31'26 | |
| | 1840 Aug 23 17:38 | 0°♁ | | | 1845 Oct 27 15:47 | 0°♄ | |
| | 1840 Oct 10 19:49 | 0°♄ | | | 1845 Dec 22 02:20 | 0°♄ | |
| | 1840 Dec 01 15:43 | 0°♁ | | asc. node | 1846 Jan 01 22:18 | 6°♄43'30 | |
| | 1841 Feb 05 08:45 | 0°♁ | | | 1846 Feb 07 07:56 | 0°♄ | |
| retrograde | 1841 Mar 11 18:24 | 6°♁04'04 | | | 1846 Mar 25 16:19 | 0°♁ | |
| | 1841 Apr 12 06:05 | 30°♁ | | | 1846 May 11 11:53 | 0°♁ | |
| opposition | 1841 Apr 18 02:05 | 27°♁51'36 | 1°44'52 | | 1846 Jun 27 21:01 | 0°♁ | |
| greatest brilliancy | 1841 Apr 18 17:49 | 27°♁36'47 | -1.6m | evening set | 1846 Jul 26 16:50 | 18°♁12'04 | |
| min. Earth dist. | 1841 Apr 24 18:37 | 25°♁20'31 | 0.58723 AU | | 1846 Aug 14 08:01 | 0°♄ | |
| direct | 1841 May 28 17:22 | 18°♁07'50 | | max. Earth dist. | 1846 Sep 01 12:04 | 11°♄33'55 | 2.66938 AU |
| desc. node | 1841 May 29 21:30 | 18°♁08'22 | | | | | |
| | 1841 Jul 15 01:49 | 0°♁ | | conjunction | 1846 Sep 10 08:51 | 17°♄14'04 | 1°00'34 |
| | 1841 Sep 06 17:39 | 0°♄ | | minimum elong | 1846 Sep 10 09:47 | 17°♄15'33 | 1°00'34 |
| | 1841 Oct 19 23:26 | 0°♁ | | | 1846 Sep 30 04:44 | 0°♁ | |
| | 1841 Nov 28 19:35 | 0°♁ | | morning rise | 1846 Oct 24 18:37 | 16°♁00'39 | |
| | 1842 Jan 06 12:17 | 0°♄ | | | 1846 Nov 14 22:53 | 0°♁ | |
| | 1842 Feb 14 10:09 | 0°♄ | | | 1846 Dec 29 09:10 | 0°♄ | |
| | 1842 Mar 26 12:16 | 0°♄ | | desc. node | 1847 Jan 19 19:28 | 14°♄47'44 | |
| asc. node | 1842 Mar 30 00:42 | 2°♄34'28 | | | 1847 Feb 10 12:48 | 0°♁ | |
| evening set | 1842 May 02 06:43 | 26°♄25'15 | | | 1847 Mar 24 15:42 | 0°♁ | |
| | 1842 May 07 09:05 | 0°♁ | | | 1847 May 05 08:09 | 0°♄ | |
| | 1842 Jun 20 05:27 | 0°♁ | | | 1847 Jun 17 01:41 | 0°♄ | |
| | | | | | 1847 Aug 05 00:48 | 0°♄ | |
| conjunction | 1842 Jun 25 18:41 | 3°♁42'23 | 0°48'09 | retrograde | 1847 Sep 25 10:53 | 15°♄28'36 | |
| minimum elong | 1842 Jun 25 17:05 | 3°♁39'43 | 0°48'08 | min. Earth dist. | 1847 Oct 23 04:16 | 10°♄11'25 | 0.45355 AU |
| max. Earth dist. | 1842 Jul 16 14:11 | 17°♁27'03 | 2.61434 AU | greatest brilliancy | 1847 Oct 30 21:23 | 7°♄31'49 | -2.4m |
| | 1842 Aug 04 21:23 | 0°♁ | | opposition | 1847 Oct 31 09:25 | 7°♄21'23 | -1°-7'-8 |
| morning rise | 1842 Aug 14 06:27 | 6°♁02'23 | | asc. node | 1847 Nov 19 21:19 | 1°♄54'32 | |
| | 1842 Sep 20 23:44 | 0°♄ | | direct | 1847 Dec 02 22:17 | 0°♄45'54 | |
| | 1842 Nov 08 07:22 | 0°♁ | | | 1848 Feb 24 20:39 | 0°♁ | |
| | 1842 Dec 28 10:42 | 0°♁ | | | 1848 Apr 18 00:18 | 0°♁ | |
| | 1843 Feb 21 18:29 | 0°♄ | | | 1848 Jun 07 03:41 | 0°♁ | |
| desc. node | 1843 Apr 16 20:42 | 19°♄53'20 | | | 1848 Jul 25 20:22 | 0°♄ | |
| retrograde | 1843 May 03 22:29 | 21°♄34'27 | | evening set | 1848 Aug 31 18:27 | 23°♄23'20 | |
| opposition | 1843 Jun 06 12:26 | 15°♄05'56 | -2°-38'-38 | | 1848 Sep 11 00:20 | 0°♁ | |
| greatest brilliancy | 1843 Jun 07 16:25 | 14°♄42'51 | -2.3m | max. Earth dist. | 1848 Sep 25 04:56 | 9°♁15'16 | 2.61607 AU |
| min. Earth dist. | 1843 Jun 14 22:37 | 12°♄20'12 | 0.46130 AU | | | | |
| direct | 1843 Jul 13 05:25 | 7°♄11'21 | | conjunction | 1848 Oct 16 20:32 | 23°♁36'37 | 0°28'44 |
| | 1843 Sep 16 18:05 | 0°♁ | | minimum elong | 1848 Oct 16 21:28 | 23°♁38'12 | 0°28'44 |
| | 1843 Nov 01 16:20 | 0°♁ | | | 1848 Oct 26 08:18 | 0°♁ | |
| | 1843 Dec 13 02:00 | 0°♄ | | morning rise | 1848 Dec 02 20:13 | 25°♁51'14 | |
| | 1844 Jan 22 19:52 | 0°♄ | | desc. node | 1848 Dec 06 18:26 | 28°♁37'06 | |
| asc. node | 1844 Feb 14 22:48 | 16°♄48'02 | | | 1848 Dec 08 17:24 | 0°♄ | |
| | 1844 Mar 04 09:36 | 0°♄ | | | 1849 Jan 19 07:29 | 0°♁ | |
| | 1844 Apr 16 12:07 | 0°♁ | | | 1849 Feb 28 11:37 | 0°♁ | |
| | 1844 May 31 07:12 | 0°♁ | | | 1849 Apr 08 20:04 | 0°♄ | |
| evening set | 1844 Jun 17 10:29 | 11°♁13'00 | | | 1849 May 18 05:02 | 0°♄ | |
| | 1844 Jul 16 11:53 | 0°♁ | | | 1849 Jun 27 20:55 | 0°♄ | |
| | | | | | 1849 Aug 11 03:51 | 0°♁ | |
| conjunction | 1844 Aug 04 15:30 | 12°♁15'44 | 1°08'28 | asc. node | 1849 Oct 06 19:48 | 29°♁28'32 | |
| minimum elong | 1844 Aug 04 15:11 | 12°♁15'15 | 1°08'27 | | 1849 Oct 08 06:52 | 0°♁ | |
| max. Earth dist. | 1844 Aug 09 12:46 | 15°♁22'54 | 2.66921 AU | retrograde | 1849 Nov 09 00:24 | 6°♁07'05 | |
| | 1844 Sep 01 11:40 | 0°♄ | | | 1849 Dec 08 20:13 | 30°♁ | |
| morning rise | 1844 Sep 18 21:49 | 11°♄04'51 | | min. Earth dist. | 1849 Dec 12 05:27 | 28°♁42'38 | 0.58058 AU |
| | 1844 Oct 18 15:20 | 0°♁ | | greatest brilliancy | 1849 Dec 17 07:22 | 26°♁42'43 | -1.7m |
| | 1844 Dec 04 14:30 | 0°♁ | | opposition | 1849 Dec 18 07:03 | 26°♁19'22 | 3°03'12 |
| | 1845 Jan 20 10:53 | 0°♄ | | direct | 1850 Jan 24 01:09 | 17°♁53'28 | |
| desc. node | 1845 Mar 03 19:46 | 26°♄53'15 | | | 1850 Mar 15 11:17 | 0°♁ | |

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| | 1850 May 15 06:14 | 0°♁ | | minimum elong | 1855 Apr 10 06:00 | 19°♃46'49 | 0°31'15 |
| | 1850 Jul 06 02:39 | 0°♄ | | | 1855 Apr 23 19:42 | 0°♄ | |
| | 1850 Aug 23 09:07 | 0°♅ | | max. Earth dist. | 1855 May 29 09:09 | 26°♄01'44 | 2.45505 AU |
| | 1850 Oct 07 20:13 | 0°♆ | | asc. node | 1855 May 29 17:18 | 26°♄16'18 | |
| evening set | 1850 Oct 10 10:31 | 1°♆46'02 | | | 1855 Jun 03 22:43 | 0°♁ | |
| desc. node | 1850 Oct 24 16:49 | 11°♆34'51 | | morning rise | 1855 Jun 13 02:30 | 6°♁28'36 | |
| max. Earth dist. | 1850 Oct 26 02:03 | 12°♆32'35 | 2.51355 AU | | 1855 Jul 17 06:47 | 0°♁ | |
| | 1850 Nov 19 18:51 | 0°♁ | | | 1855 Sep 01 02:45 | 0°♁ | |
| | | | | | 1855 Oct 20 00:54 | 0°♄ | |
| conjunction | 1850 Nov 29 15:36 | 7°♁07'17 | 0°-21'-31 | | 1855 Dec 14 03:44 | 0°♅ | |
| minimum elong | 1850 Nov 29 14:35 | 7°♁05'26 | 0°21'32 | retrograde | 1856 Feb 24 06:17 | 21°♅39'53 | |
| | 1850 Dec 30 14:40 | 0°♁ | | opposition | 1856 Apr 02 13:30 | 12°♅59'57 | 2°47'06 |
| morning rise | 1851 Jan 24 02:53 | 18°♁36'30 | | greatest brilliancy | 1856 Apr 03 07:36 | 12°♅42'31 | -1.4m |
| | 1851 Feb 07 21:37 | 0°♁ | | min. Earth dist. | 1856 Apr 07 21:24 | 10°♅56'47 | 0.62437 AU |
| | 1851 Mar 18 09:19 | 0°♁ | | direct | 1856 May 13 18:12 | 3°♅02'34 | |
| | 1851 Apr 25 21:50 | 0°♃ | | desc. node | 1856 Jun 15 12:52 | 8°♅58'07 | |
| | 1851 Jun 04 09:41 | 0°♄ | | | 1856 Jul 31 05:21 | 0°♆ | |
| | 1851 Jul 15 23:17 | 0°♅ | | | 1856 Sep 17 03:45 | 0°♆ | |
| asc. node | 1851 Aug 24 19:32 | 26°♅34'22 | | | 1856 Oct 29 02:08 | 0°♁ | |
| | 1851 Aug 30 06:32 | 0°♁ | | | 1856 Dec 07 09:17 | 0°♁ | |
| | 1851 Oct 23 20:40 | 0°♁ | | | 1857 Jan 14 17:38 | 0°♁ | |
| retrograde | 1851 Dec 15 14:43 | 13°♁56'32 | | | 1857 Feb 22 07:59 | 0°♃ | |
| min. Earth dist. | 1852 Jan 22 10:46 | 4°♁57'35 | 0.66007 AU | | 1857 Apr 03 02:23 | 0°♄ | |
| greatest brilliancy | 1852 Jan 24 06:05 | 4°♁14'06 | -1.3m | evening set | 1857 Apr 10 01:17 | 5°♄07'10 | |
| opposition | 1852 Jan 24 18:56 | 4°♁01'12 | 4°27'53 | asc. node | 1857 Apr 15 16:45 | 9°♄14'42 | |
| | 1852 Feb 04 06:28 | 30°♁ | | | 1857 May 14 15:50 | 0°♅ | |
| direct | 1852 Mar 04 10:18 | 24°♁34'36 | | | | | |
| | 1852 Apr 05 19:26 | 0°♁ | | conjunction | 1857 Jun 07 08:27 | 16°♅28'29 | 0°31'28 |
| | 1852 Jun 11 20:39 | 0°♄ | | minimum elong | 1857 Jun 07 06:54 | 16°♅25'50 | 0°31'28 |
| | 1852 Aug 02 08:01 | 0°♅ | | | 1857 Jun 27 06:25 | 0°♁ | |
| desc. node | 1852 Sep 10 15:45 | 25°♅15'30 | | max. Earth dist. | 1857 Jul 05 18:24 | 5°♅41'20 | 2.57843 AU |
| | 1852 Sep 17 17:41 | 0°♆ | | morning rise | 1857 Jul 29 17:28 | 21°♅29'15 | |
| | 1852 Oct 30 17:53 | 0°♆ | | | 1857 Aug 11 20:23 | 0°♁ | |
| evening set | 1852 Nov 27 07:23 | 20°♆14'55 | | | 1857 Sep 28 04:16 | 0°♄ | |
| | 1852 Dec 10 06:01 | 0°♁ | | | 1857 Nov 16 09:30 | 0°♅ | |
| max. Earth dist. | 1852 Dec 24 19:03 | 11°♁07'03 | 2.38711 AU | | 1858 Jan 08 06:10 | 0°♆ | |
| | 1853 Jan 18 02:25 | 0°♁ | | retrograde | 1858 Mar 22 03:33 | 0°♆ | |
| | | | | | 1858 Apr 10 20:00 | 2°♆10'47 | |
| conjunction | 1853 Jan 26 17:59 | 6°♁47'03 | -1°-3'-43 | | 1858 Apr 29 11:02 | 30°♆ | |
| minimum elong | 1853 Jan 26 16:56 | 6°♁45'00 | 1°03'45 | desc. node | 1858 May 03 11:58 | 28°♆58'49 | |
| | 1853 Feb 25 04:34 | 0°♁ | | opposition | 1858 May 16 02:51 | 24°♆54'49 | 0°-36'-41 |
| | 1853 Apr 04 10:05 | 0°♃ | | greatest brilliancy | 1858 May 16 09:57 | 24°♆48'32 | -2.0m |
| morning rise | 1853 Apr 06 10:39 | 1°♃34'20 | | min. Earth dist. | 1858 May 24 09:04 | 21°♆59'57 | 0.51382 AU |
| | 1853 May 13 15:50 | 0°♄ | | direct | 1858 Jun 23 21:21 | 16°♆01'09 | |
| | 1853 Jun 23 17:01 | 0°♅ | | | 1858 Aug 13 02:30 | 0°♆ | |
| asc. node | 1853 Jul 11 18:53 | 12°♅41'06 | | | 1858 Oct 02 08:15 | 0°♁ | |
| | 1853 Aug 06 07:40 | 0°♁ | | | 1858 Nov 13 06:55 | 0°♁ | |
| | 1853 Sep 22 15:22 | 0°♁ | | | 1858 Dec 23 02:21 | 0°♁ | |
| | 1853 Nov 16 20:31 | 0°♄ | | | 1859 Jan 31 20:08 | 0°♃ | |
| retrograde | 1854 Jan 18 01:15 | 17°♄27'35 | | asc. node | 1859 Mar 03 15:31 | 22°♃45'14 | |
| opposition | 1854 Feb 26 20:42 | 7°♄58'36 | 4°18'08 | | 1859 Mar 13 15:18 | 0°♄ | |
| greatest brilliancy | 1854 Feb 27 03:07 | 7°♄52'13 | -1.2m | | 1859 Apr 25 02:56 | 0°♅ | |
| min. Earth dist. | 1854 Feb 28 09:46 | 7°♄21'47 | 0.67521 AU | evening set | 1859 Jun 01 10:21 | 25°♅19'41 | |
| | 1854 Mar 22 12:42 | 30°♁ | | | 1859 Jun 08 10:45 | 0°♁ | |
| direct | 1854 Apr 09 00:53 | 28°♁01'23 | | | | | |
| | 1854 Apr 27 19:04 | 0°♄ | | conjunction | 1859 Jul 21 13:20 | 28°♅11'24 | 1°04'14 |
| | 1854 Jul 09 04:44 | 0°♅ | | minimum elong | 1859 Jul 21 12:26 | 28°♅09'58 | 1°04'14 |
| desc. node | 1854 Jul 29 14:45 | 11°♅44'26 | | | 1859 Jul 24 08:40 | 0°♁ | |
| | 1854 Aug 27 20:39 | 0°♆ | | max. Earth dist. | 1859 Aug 01 05:22 | 5°♁03'39 | 2.65427 AU |
| | 1854 Oct 10 18:56 | 0°♆ | | morning rise | 1859 Sep 06 00:11 | 27°♁54'08 | |
| | 1854 Nov 20 11:08 | 0°♁ | | | 1859 Sep 09 07:31 | 0°♄ | |
| | 1854 Dec 29 05:46 | 0°♁ | | | 1859 Oct 26 18:54 | 0°♅ | |
| evening set | 1855 Feb 01 06:44 | 26°♁52'01 | | | 1859 Dec 13 15:03 | 0°♆ | |
| | 1855 Feb 05 05:52 | 0°♁ | | | 1860 Jan 31 08:46 | 0°♆ | |
| | 1855 Mar 15 11:32 | 0°♃ | | desc. node | 1860 Mar 20 12:09 | 28°♆33'32 | |
| | | | | | 1860 Mar 23 03:31 | 0°♁ | |
| conjunction | 1855 Apr 10 03:30 | 19°♃42'05 | 0°-31'-17 | | 1860 Jun 10 05:49 | 0°♁ | |

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| retrograde | 1860 Jun 16 21:19 | 0°≈16'36 | | max. Earth dist. | 1865 Oct 12 19:29 | 28°♁39'13 | 2.55877 AU |
| | 1860 Jun 23 11:47 | 30°♁ | | | 1865 Oct 14 19:08 | 0°♁ | |
| opposition | 1860 Jul 17 13:18 | 25°♁05'36 | -6°-5'-50 | desc. node | 1865 Nov 10 08:21 | 18°♁18'42 | |
| greatest brilliancy | 1860 Jul 18 21:47 | 24°♁42'47 | -2.7m | | | | |
| min. Earth dist. | 1860 Jul 22 11:52 | 23°♁42'40 | 0.39089 AU | conjunction | 1865 Nov 11 09:44 | 19°♁03'11 | 0°00'-38 |
| direct | 1860 Aug 18 14:41 | 19°♁18'07 | | minimum elong | 1865 Nov 11 09:42 | 19°♁03'07 | 0°00'38 |
| | 1860 Sep 29 18:01 | 0°≈ | | behind sun begin | 1865 Nov 10 13:02 | 18°♁26'55 | |
| | 1860 Nov 21 03:48 | 0°✕ | | behind sun end | 1865 Nov 12 06:22 | 19°♁39'22 | |
| | 1861 Jan 04 19:59 | 0°♁ | | | 1865 Nov 26 20:53 | 0°♁ | |
| asc. node | 1861 Jan 18 13:12 | 9°♁24'05 | | morning rise | 1866 Jan 01 13:42 | 26°♁00'07 | |
| | 1861 Feb 17 16:11 | 0°♁ | | | 1866 Jan 06 22:43 | 0°♁ | |
| | 1861 Apr 03 06:51 | 0°♁ | | | 1866 Feb 15 12:31 | 0°≈ | |
| | 1861 May 19 02:11 | 0°♁ | | | 1866 Mar 26 06:34 | 0°✕ | |
| | 1861 Jul 04 21:32 | 0°♁ | | | 1866 May 04 00:45 | 0°♁ | |
| evening set | 1861 Jul 12 00:03 | 4°♁31'18 | | | 1866 Jun 12 19:06 | 0°♁ | |
| | 1861 Aug 21 02:26 | 0°♁ | | | 1866 Jul 24 22:04 | 0°♁ | |
| max. Earth dist. | 1861 Aug 23 17:28 | 1°♁40'14 | 2.67586 AU | asc. node | 1866 Sep 10 01:04 | 0°♁ | |
| | | | | | 1866 Sep 10 11:41 | 0°♁15'24 | |
| conjunction | 1861 Aug 27 06:55 | 3°♁56'11 | 1°06'39 | | 1866 Nov 25 18:23 | 0°♁ | |
| minimum elong | 1861 Aug 27 07:28 | 3°♁57'04 | 1°06'38 | retrograde | 1866 Dec 01 22:07 | 0°♁15'04 | |
| | 1861 Oct 07 00:18 | 0°♁ | | | 1866 Dec 07 22:45 | 30°♁ | |
| morning rise | 1861 Oct 10 15:33 | 2°♁20'37 | | min. Earth dist. | 1867 Jan 07 02:07 | 21°♁49'31 | 0.63624 AU |
| | 1861 Nov 22 03:11 | 0°♁ | | greatest brilliancy | 1867 Jan 10 03:07 | 20°♁36'24 | -1.4m |
| | 1862 Jan 06 06:38 | 0°♁ | | opposition | 1867 Jan 10 22:25 | 20°♁17'04 | 4°08'39 |
| desc. node | 1862 Feb 05 10:58 | 20°♁23'58 | | direct | 1867 Feb 18 14:46 | 11°♁10'08 | |
| | 1862 Feb 19 13:01 | 0°♁ | | | 1867 Apr 26 02:14 | 0°♁ | |
| | 1862 Apr 04 06:04 | 0°≈ | | | 1867 Jun 22 06:55 | 0°♁ | |
| | 1862 May 18 09:36 | 0°✕ | | | 1867 Aug 11 02:25 | 0°♁ | |
| | 1862 Jul 05 20:04 | 0°♁ | | | 1867 Sep 26 00:47 | 0°♁ | |
| retrograde | 1862 Sep 02 11:49 | 19°♁14'35 | | desc. node | 1867 Sep 28 07:13 | 1°♁32'17 | |
| min. Earth dist. | 1862 Sep 29 00:36 | 14°♁39'28 | 0.40576 AU | evening set | 1867 Nov 07 14:29 | 29°♁43'59 | |
| greatest brilliancy | 1862 Oct 04 20:35 | 12°♁51'48 | -2.7m | | 1867 Nov 07 23:23 | 0°♁ | |
| opposition | 1862 Oct 06 00:30 | 12°♁30'13 | -3°-44'-29 | max. Earth dist. | 1867 Nov 23 11:58 | 11°♁17'35 | 2.43486 AU |
| direct | 1862 Nov 05 14:00 | 6°♁51'57 | | | 1867 Dec 18 13:55 | 0°♁ | |
| asc. node | 1862 Dec 06 13:01 | 12°♁26'54 | | | | | |
| | 1863 Jan 15 09:19 | 0°♁ | | conjunction | 1868 Jan 02 05:32 | 11°♁09'42 | 0°-52'-17 |
| | 1863 Mar 09 09:51 | 0°♁ | | minimum elong | 1868 Jan 02 03:22 | 11°♁05'32 | 0°52'16 |
| | 1863 Apr 27 23:24 | 0°♁ | | | 1868 Jan 26 13:41 | 0°≈ | |
| | 1863 Jun 15 17:21 | 0°♁ | | | 1868 Mar 04 18:33 | 0°✕ | |
| | 1863 Aug 02 19:30 | 0°♁ | | morning rise | 1868 Mar 06 21:43 | 1°♁40'43 | |
| evening set | 1863 Aug 18 08:40 | 9°♁50'02 | | | 1868 Apr 12 01:35 | 0°♁ | |
| max. Earth dist. | 1863 Sep 16 05:21 | 28°♁19'48 | 2.64316 AU | | 1868 May 21 07:59 | 0°♁ | |
| | 1863 Sep 18 19:13 | 0°♁ | | | 1868 Jul 01 10:56 | 0°♁ | |
| | | | | asc. node | 1868 Jul 28 10:14 | 18°♁41'09 | |
| conjunction | 1863 Oct 02 22:08 | 9°♁12'11 | 0°43'39 | | 1868 Aug 14 10:10 | 0°♁ | |
| minimum elong | 1863 Oct 02 23:16 | 9°♁14'02 | 0°43'38 | | 1868 Oct 02 03:31 | 0°♁ | |
| | 1863 Nov 03 05:55 | 0°♁ | | | 1868 Dec 06 02:58 | 0°♁ | |
| morning rise | 1863 Nov 17 09:26 | 9°♁34'50 | | retrograde | 1869 Jan 04 14:42 | 4°♁47'03 | |
| | 1863 Dec 16 23:01 | 0°♁ | | | 1869 Jan 31 16:52 | 30°♁ | |
| desc. node | 1863 Dec 24 09:33 | 5°♁13'22 | | opposition | 1869 Feb 13 16:46 | 25°♁04'59 | 4°31'16 |
| | 1864 Jan 28 01:01 | 0°♁ | | greatest brilliancy | 1869 Feb 13 15:44 | 25°♁06'01 | -1.2m |
| | 1864 Mar 08 19:07 | 0°≈ | | min. Earth dist. | 1869 Feb 13 17:21 | 25°♁04'24 | 0.67719 AU |
| | 1864 Apr 17 18:29 | 0°✕ | | direct | 1869 Mar 26 10:31 | 15°♁16'41 | |
| | 1864 May 27 21:00 | 0°♁ | | | 1869 May 22 13:38 | 0°♁ | |
| | 1864 Jul 08 18:41 | 0°♁ | | | 1869 Jul 19 03:24 | 0°♁ | |
| | 1864 Aug 25 23:53 | 0°♁ | | desc. node | 1869 Aug 15 06:04 | 16°♁32'28 | |
| retrograde | 1864 Oct 23 21:10 | 18°♁47'18 | | | 1869 Sep 05 01:16 | 0°♁ | |
| asc. node | 1864 Oct 23 13:12 | 18°♁47'15 | | | 1869 Oct 18 11:50 | 0°♁ | |
| min. Earth dist. | 1864 Nov 23 23:04 | 12°♁09'40 | 0.53398 AU | | 1869 Nov 28 01:15 | 0°♁ | |
| greatest brilliancy | 1864 Nov 30 11:20 | 9°♁40'23 | -1.9m | evening set | 1870 Jan 04 12:00 | 28°♁57'37 | |
| opposition | 1864 Dec 01 06:14 | 9°♁22'17 | 1°51'49 | | 1870 Jan 05 19:48 | 0°≈ | |
| direct | 1865 Jan 05 11:48 | 1°♁32'27 | | | 1870 Feb 12 19:54 | 0°✕ | |
| | 1865 Mar 31 02:59 | 0°♁ | | | | | |
| | 1865 May 24 11:19 | 0°♁ | | conjunction | 1870 Mar 12 18:05 | 21°♁59'14 | 0°-53'-59 |
| | 1865 Jul 13 16:59 | 0°♁ | | minimum elong | 1870 Mar 12 21:09 | 22°♁05'14 | 0°53'58 |
| | 1865 Aug 30 10:23 | 0°♁ | | | 1870 Mar 23 00:39 | 0°♁ | |
| evening set | 1865 Sep 24 09:02 | 16°♁18'09 | | | 1870 May 01 06:42 | 0°♁ | |

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|---------------------|-------------------|-----------|------------|---------------------|-------------------|-----------|------------|
| max. Earth dist. | 1870 May 01 15:06 | 0°♄15'45 | 2.40151 AU | | 1875 Apr 20 00:53 | 0°♁ | |
| morning rise | 1870 May 20 14:23 | 14°♄18'57 | | retrograde | 1875 May 18 22:12 | 4°♁32'49 | |
| | 1870 Jun 11 07:17 | 0°♂ | | | 1875 Jun 15 15:10 | 30°♁ | |
| asc. node | 1870 Jun 15 10:14 | 2°♂55'45 | | opposition | 1875 Jun 20 08:34 | 28°♁33'39 | -3°-56'-55 |
| | 1870 Jul 24 15:16 | 0°♁ | | greatest brilliancy | 1875 Jun 21 21:04 | 28°♁05'06 | -2.5m |
| | 1870 Sep 08 18:58 | 0°♂ | | min. Earth dist. | 1875 Jun 28 05:07 | 26°♁06'54 | 0.43320 AU |
| | 1870 Oct 29 01:47 | 0°♁ | | direct | 1875 Jul 25 14:32 | 21°♁21'44 | |
| | 1870 Dec 30 17:17 | 0°♁ | | | 1875 Aug 31 21:58 | 0°♁ | |
| retrograde | 1871 Feb 09 02:49 | 8°♁09'20 | | | 1875 Oct 23 23:26 | 0°♁ | |
| | 1871 Mar 17 21:28 | 30°♁ | | | 1875 Dec 06 03:12 | 0°♁ | |
| opposition | 1871 Mar 20 03:57 | 29°♁06'57 | 3°32'57 | | 1876 Jan 16 18:18 | 0°♁ | |
| greatest brilliancy | 1871 Mar 20 19:29 | 28°♁51'46 | -1.3m | asc. node | 1876 Feb 05 06:40 | 13°♁59'14 | |
| min. Earth dist. | 1871 Mar 24 01:00 | 27°♁35'58 | 0.65210 AU | | 1876 Feb 27 21:46 | 0°♁ | |
| direct | 1871 Apr 30 13:36 | 19°♁04'51 | | | 1876 Apr 11 09:45 | 0°♂ | |
| | 1871 Jun 16 09:08 | 0°♁ | | | 1876 May 26 11:24 | 0°♁ | |
| desc. node | 1871 Jul 03 05:28 | 7°♁35'07 | | evening set | 1876 Jun 26 15:12 | 20°♁14'01 | |
| | 1871 Aug 12 15:39 | 0°♁ | | | 1876 Jul 11 20:03 | 0°♂ | |
| | 1871 Sep 27 06:32 | 0°♁ | | | | | |
| | 1871 Nov 07 12:08 | 0°♁ | | conjunction | 1876 Aug 13 00:30 | 20°♁32'47 | 1°08'57 |
| | 1871 Dec 16 12:00 | 0°♁ | | minimum elong | 1876 Aug 13 00:32 | 20°♁32'51 | 1°08'56 |
| | 1872 Jan 23 15:23 | 0°♁ | | max. Earth dist. | 1876 Aug 14 20:49 | 21°♁43'21 | 2.67391 AU |
| | 1872 Mar 02 00:53 | 0°♁ | | | 1876 Aug 27 20:54 | 0°♁ | |
| evening set | 1872 Mar 15 23:25 | 10°♁42'22 | | morning rise | 1876 Sep 26 19:50 | 19°♁04'50 | |
| | 1872 Apr 10 13:54 | 0°♁ | | | 1876 Oct 13 22:01 | 0°♁ | |
| asc. node | 1872 May 02 08:23 | 15°♁59'00 | | | 1876 Nov 29 12:50 | 0°♁ | |
| | | | | | 1877 Jan 14 15:50 | 0°♁ | |
| conjunction | 1872 May 17 15:25 | 26°♁58'16 | 0°09'43 | desc. node | 1877 Feb 22 02:35 | 25°♁07'01 | |
| minimum elong | 1872 May 17 14:47 | 26°♁57'07 | 0°09'42 | | 1877 Mar 01 14:21 | 0°♁ | |
| behind sun begin | 1872 May 16 18:51 | 26°♁21'39 | | | 1877 Apr 17 05:15 | 0°♁ | |
| behind sun end | 1872 May 18 10:43 | 27°♁32'33 | | | 1877 Jun 07 04:03 | 0°♁ | |
| | 1872 May 21 21:49 | 0°♂ | | retrograde | 1877 Aug 06 00:08 | 18°♁51'52 | |
| max. Earth dist. | 1872 Jun 23 09:37 | 22°♂34'47 | 2.53499 AU | min. Earth dist. | 1877 Sep 02 20:19 | 14°♁19'03 | 0.37665 AU |
| | 1872 Jul 04 08:17 | 0°♁ | | greatest brilliancy | 1877 Sep 05 07:29 | 13°♁38'33 | -2.9m |
| morning rise | 1872 Jul 12 20:03 | 5°♁41'48 | | opposition | 1877 Sep 05 23:43 | 13°♁27'25 | -6°-9'-59 |
| | 1872 Aug 18 22:05 | 0°♂ | | direct | 1877 Oct 05 13:26 | 8°♁29'43 | |
| | 1872 Oct 05 15:19 | 0°♁ | | | 1877 Dec 10 10:44 | 0°♁ | |
| | 1872 Nov 25 05:47 | 0°♁ | | asc. node | 1877 Dec 23 05:56 | 7°♁00'57 | |
| | 1873 Jan 22 12:35 | 0°♁ | | | 1878 Jan 30 20:08 | 0°♁ | |
| retrograde | 1873 Mar 21 22:29 | 15°♁17'24 | | | 1878 Mar 19 16:49 | 0°♂ | |
| opposition | 1873 Apr 27 14:46 | 7°♁22'34 | 0°59'46 | | 1878 May 06 06:25 | 0°♁ | |
| greatest brilliancy | 1873 Apr 28 01:19 | 7°♁12'47 | -1.8m | | 1878 Jun 23 01:06 | 0°♂ | |
| min. Earth dist. | 1873 May 04 23:07 | 4°♁39'33 | 0.56325 AU | evening set | 1878 Aug 03 23:58 | 26°♁23'57 | |
| | 1873 May 20 00:16 | 30°♁ | | | 1878 Aug 09 16:34 | 0°♁ | |
| desc. node | 1873 May 20 04:03 | 29°♁57'46 | | max. Earth dist. | 1878 Sep 06 20:44 | 17°♁56'24 | 2.66228 AU |
| direct | 1873 Jun 06 18:08 | 27°♁51'39 | | | | | |
| | 1873 Jun 25 07:52 | 0°♁ | | conjunction | 1878 Sep 18 12:13 | 25°♁25'25 | 0°55'20 |
| | 1873 Aug 30 02:57 | 0°♁ | | minimum elong | 1878 Sep 18 13:17 | 25°♁27'08 | 0°55'19 |
| | 1873 Oct 13 19:19 | 0°♁ | | | 1878 Sep 25 14:11 | 0°♁ | |
| | 1873 Nov 23 04:09 | 0°♁ | | morning rise | 1878 Nov 02 03:21 | 24°♁36'41 | |
| | 1874 Jan 01 03:35 | 0°♁ | | | 1878 Nov 10 05:36 | 0°♁ | |
| | 1874 Feb 09 06:30 | 0°♁ | | | 1878 Dec 24 09:29 | 0°♁ | |
| asc. node | 1874 Mar 20 07:00 | 29°♁05'30 | | desc. node | 1879 Jan 10 01:13 | 11°♁34'45 | |
| | 1874 Mar 21 12:50 | 0°♁ | | | 1879 Feb 05 03:06 | 0°♁ | |
| | 1874 May 02 13:17 | 0°♂ | | | 1879 Mar 18 16:23 | 0°♁ | |
| evening set | 1874 May 13 20:02 | 7°♂49'25 | | | 1879 Apr 28 14:09 | 0°♁ | |
| | 1874 Jun 15 12:30 | 0°♁ | | | 1879 Jun 08 23:46 | 0°♁ | |
| | | | | | 1879 Jul 23 18:00 | 0°♁ | |
| conjunction | 1874 Jul 05 13:20 | 13°♁16'26 | 0°55'30 | retrograde | 1879 Oct 06 20:34 | 28°♁48'31 | |
| minimum elong | 1874 Jul 05 11:55 | 13°♁14'07 | 0°55'29 | min. Earth dist. | 1879 Nov 04 17:27 | 23°♁02'20 | 0.48241 AU |
| max. Earth dist. | 1874 Jul 22 13:20 | 24°♁22'53 | 2.63095 AU | asc. node | 1879 Nov 10 04:32 | 21°♁04'13 | |
| | 1874 Jul 31 05:32 | 0°♂ | | opposition | 1879 Nov 12 20:11 | 20°♁06'10 | 0°08'39 |
| morning rise | 1874 Aug 22 18:13 | 14°♁27'53 | | greatest brilliancy | 1879 Nov 12 18:19 | 20°♁07'52 | -2.2m |
| | 1874 Sep 16 05:33 | 0°♁ | | direct | 1879 Dec 16 09:02 | 13°♁01'28 | |
| | 1874 Nov 03 04:11 | 0°♁ | | | 1880 Feb 14 11:39 | 0°♂ | |
| | 1874 Dec 22 06:40 | 0°♁ | | | 1880 Apr 11 13:21 | 0°♁ | |
| | 1875 Feb 12 06:22 | 0°♁ | | | 1880 Jun 01 20:15 | 0°♂ | |
| desc. node | 1875 Apr 07 02:58 | 25°♁41'01 | | | 1880 Jul 21 00:13 | 0°♁ | |

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| | 1880 Sep 06 08:42 | 0°♁ | | | 1885 Jun 18 17:52 | 0°♁ | |
| evening set | 1880 Sep 09 04:58 | 1°♁50'34 | | asc. node | 1885 Jul 02 00:58 | 9°♁23'09 | |
| max. Earth dist. | 1880 Oct 01 08:18 | 16°♁21'24 | 2.59755 AU | | 1885 Aug 01 04:15 | 0°♁ | |
| | 1880 Oct 21 17:02 | 0°♁ | | | 1885 Sep 16 21:40 | 0°♁ | |
| | | | | | 1885 Nov 08 13:38 | 0°♁ | |
| conjunction | 1880 Oct 25 19:45 | 2°♁47'29 | 0°18'40 | retrograde | 1886 Jan 25 22:18 | 25°♁13'57 | |
| minimum elong | 1880 Oct 25 20:26 | 2°♁48'38 | 0°18'39 | opposition | 1886 Mar 06 12:31 | 15°♁53'24 | 4°04'57 |
| desc. node | 1880 Nov 26 23:44 | 25°♁03'11 | | greatest brilliancy | 1886 Mar 06 22:37 | 15°♁43'24 | -1.2m |
| | 1880 Dec 03 23:41 | 0°♁ | | min. Earth dist. | 1886 Mar 08 21:28 | 14°♁57'06 | 0.66987 AU |
| morning rise | 1880 Dec 13 00:15 | 6°♁25'54 | | direct | 1886 Apr 16 20:24 | 5°♁53'13 | |
| | 1881 Jan 14 09:29 | 0°♁ | | | 1886 Jul 01 16:58 | 0°♁ | |
| | 1881 Feb 23 08:27 | 0°♁ | | desc. node | 1886 Jul 19 20:47 | 9°♁51'33 | |
| | 1881 Apr 03 11:12 | 0°♁ | | | 1886 Aug 22 04:37 | 0°♁ | |
| | 1881 May 12 13:46 | 0°♁ | | | 1886 Oct 05 15:23 | 0°♁ | |
| | 1881 Jun 21 19:08 | 0°♁ | | | 1886 Nov 15 12:11 | 0°♁ | |
| | 1881 Aug 03 22:58 | 0°♁ | | | 1886 Dec 24 08:43 | 0°♁ | |
| | 1881 Sep 24 06:55 | 0°♁ | | greatest brilliancy | 1887 Jan 17 20:53 | 19°♁18'26 | 1.2m |
| asc. node | 1881 Sep 27 04:21 | 1°♁23'30 | | | 1887 Jan 31 09:37 | 0°♁ | |
| retrograde | 1881 Nov 17 14:19 | 15°♁33'42 | | evening set | 1887 Feb 17 06:42 | 13°♁17'52 | |
| min. Earth dist. | 1881 Dec 21 21:44 | 7°♁46'23 | 0.60279 AU | | 1887 Mar 10 15:58 | 0°♁ | |
| greatest brilliancy | 1881 Dec 26 05:53 | 6°♁03'01 | -1.6m | | 1887 Apr 19 00:51 | 0°♁ | |
| opposition | 1881 Dec 27 05:20 | 5°♁39'44 | 3°33'06 | | | | |
| | 1882 Jan 12 07:22 | 30°♁ | | conjunction | 1887 Apr 24 22:11 | 4°♁23'05 | 0°-16'-10 |
| direct | 1882 Feb 02 17:36 | 26°♁57'36 | | minimum elong | 1887 Apr 24 23:28 | 4°♁25'28 | 0°16'09 |
| | 1882 Feb 26 02:37 | 0°♁ | | asc. node | 1887 May 20 01:10 | 22°♁45'07 | |
| | 1882 May 08 11:26 | 0°♁ | | | 1887 May 30 04:12 | 0°♁ | |
| | 1882 Jun 30 18:23 | 0°♁ | | max. Earth dist. | 1887 Jun 09 07:56 | 7°♁10'36 | 2.48450 AU |
| | 1882 Aug 18 12:43 | 0°♁ | | morning rise | 1887 Jun 24 23:13 | 18°♁03'22 | |
| | 1882 Oct 03 03:50 | 0°♁ | | | 1887 Jul 12 11:40 | 0°♁ | |
| desc. node | 1882 Oct 14 23:18 | 8°♁04'40 | | | 1887 Aug 27 03:24 | 0°♁ | |
| evening set | 1882 Oct 20 03:51 | 11°♁40'08 | | | 1887 Oct 14 11:34 | 0°♁ | |
| max. Earth dist. | 1882 Nov 03 22:08 | 22°♁01'07 | 2.48600 AU | | 1887 Dec 06 08:35 | 0°♁ | |
| | 1882 Nov 15 02:39 | 0°♁ | | | 1888 Feb 27 10:57 | 0°♁ | |
| | | | | retrograde | 1888 Mar 04 11:15 | 0°♁12'56 | |
| conjunction | 1882 Dec 11 00:31 | 18°♁54'47 | 0°-33'-33 | | 1888 Mar 10 07:53 | 30°♁ | |
| minimum elong | 1882 Dec 10 22:54 | 18°♁51'48 | 0°33'33 | opposition | 1888 Apr 11 06:16 | 21°♁47'16 | 2°13'02 |
| | 1882 Dec 25 20:41 | 0°♁ | | greatest brilliancy | 1888 Apr 11 23:36 | 21°♁30'45 | -1.5m |
| | 1883 Feb 03 01:01 | 0°♁ | | min. Earth dist. | 1888 Apr 17 08:33 | 19°♁28'03 | 0.60501 AU |
| morning rise | 1883 Feb 07 13:19 | 3°♁30'28 | | direct | 1888 May 22 04:41 | 11°♁56'07 | |
| | 1883 Mar 13 09:56 | 0°♁ | | desc. node | 1888 Jun 05 19:11 | 13°♁14'12 | |
| | 1883 Apr 20 19:58 | 0°♁ | | | 1888 Jul 22 03:43 | 0°♁ | |
| | 1883 May 30 04:56 | 0°♁ | | | 1888 Sep 10 19:34 | 0°♁ | |
| | 1883 Jul 10 12:41 | 0°♁ | | | 1888 Oct 23 11:08 | 0°♁ | |
| asc. node | 1883 Aug 15 02:46 | 24°♁09'54 | | | 1888 Dec 02 01:38 | 0°♁ | |
| | 1883 Aug 24 03:38 | 0°♁ | | | 1889 Jan 09 14:09 | 0°♁ | |
| | 1883 Oct 14 13:26 | 0°♁ | | | 1889 Feb 17 07:53 | 0°♁ | |
| retrograde | 1883 Dec 23 06:50 | 21°♁56'31 | | | 1889 Mar 29 05:27 | 0°♁ | |
| min. Earth dist. | 1884 Jan 30 23:28 | 12°♁41'11 | 0.66907 AU | asc. node | 1889 Apr 06 00:21 | 5°♁42'55 | |
| greatest brilliancy | 1884 Feb 01 02:56 | 12°♁13'38 | -1.3m | evening set | 1889 Apr 22 23:22 | 17°♁59'11 | |
| opposition | 1884 Feb 01 11:44 | 12°♁04'49 | 4°32'43 | | 1889 May 09 21:30 | 0°♁ | |
| direct | 1884 Mar 12 14:19 | 2°♁29'30 | | | | | |
| | 1884 Jun 04 20:05 | 0°♁ | | conjunction | 1889 Jun 18 02:02 | 26°♁58'24 | 0°41'44 |
| | 1884 Jul 27 22:02 | 0°♁ | | minimum elong | 1889 Jun 18 00:22 | 26°♁55'36 | 0°41'44 |
| desc. node | 1884 Aug 31 22:36 | 22°♁08'34 | | | 1889 Jun 22 13:58 | 0°♁ | |
| | 1884 Sep 12 19:26 | 0°♁ | | max. Earth dist. | 1889 Jul 12 06:07 | 13°♁05'34 | 2.59920 AU |
| | 1884 Oct 25 23:28 | 0°♁ | | | 1889 Aug 07 03:39 | 0°♁ | |
| | 1884 Dec 05 12:18 | 0°♁ | | morning rise | 1889 Aug 07 18:12 | 0°♁23'29 | |
| evening set | 1884 Dec 10 04:26 | 3°♁33'17 | | | 1889 Sep 23 07:13 | 0°♁ | |
| | 1885 Jan 13 08:01 | 0°♁ | | | 1889 Nov 10 22:33 | 0°♁ | |
| max. Earth dist. | 1885 Feb 04 19:34 | 17°♁42'07 | 2.37083 AU | | 1890 Jan 01 00:29 | 0°♁ | |
| | | | | | 1890 Mar 01 05:34 | 0°♁ | |
| conjunction | 1885 Feb 11 11:59 | 22°♁59'04 | -1°-4'-35 | retrograde | 1890 Apr 23 09:28 | 13°♁13'59 | |
| minimum elong | 1885 Feb 11 12:33 | 23°♁00'11 | 1°04'36 | desc. node | 1890 Apr 23 18:31 | 13°♁13'55 | |
| | 1885 Feb 20 08:58 | 0°♁ | | opposition | 1890 May 27 19:06 | 6°♁23'09 | -1°-43'-18 |
| | 1885 Mar 30 13:27 | 0°♁ | | greatest brilliancy | 1890 May 28 14:29 | 6°♁06'35 | -2.2m |
| morning rise | 1885 Apr 23 07:37 | 18°♁18'47 | | min. Earth dist. | 1890 Jun 05 07:25 | 3°♁29'30 | 0.48495 AU |
| | 1885 May 08 18:19 | 0°♁ | | | 1890 Jun 17 10:42 | 30°♁ | |

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| direct | 1890 Jul 04 13:15 | 27°♄59'02 | | conjunction | 1895 Oct 11 08:38 | 17°♁46'52 | 0°35'22 |
| | 1890 Jul 22 01:21 | 0°♁ | | minimum elong | 1895 Oct 11 09:41 | 17°♁48'37 | 0°35'21 |
| | 1890 Sep 23 17:49 | 0°♁ | | | 1895 Oct 29 15:15 | 0°♄ | |
| | 1890 Nov 06 11:26 | 0°♁ | | morning rise | 1895 Nov 26 13:48 | 19°♄05'41 | |
| | 1890 Dec 17 01:03 | 0°♁ | | | 1895 Dec 12 04:48 | 0°♁ | |
| | 1891 Jan 26 06:05 | 0°♁ | | desc. node | 1895 Dec 14 16:11 | 1°♁44'35 | |
| asc. node | 1891 Feb 21 22:14 | 19°♁33'38 | | | 1896 Jan 23 00:38 | 0°♁ | |
| | 1891 Mar 08 09:48 | 0°♁ | | | 1896 Mar 03 11:10 | 0°♁ | |
| | 1891 Apr 20 03:56 | 0°♁ | | | 1896 Apr 12 01:36 | 0°♁ | |
| | 1891 Jun 03 16:44 | 0°♁ | | | 1896 May 21 16:47 | 0°♁ | |
| evening set | 1891 Jun 11 07:20 | 5°♁01'11 | | | 1896 Jul 01 17:53 | 0°♁ | |
| | 1891 Jul 19 17:22 | 0°♁ | | | 1896 Aug 16 02:37 | 0°♁ | |
| | | | | asc. node | 1896 Oct 13 19:12 | 26°♁54'25 | |
| conjunction | 1891 Jul 30 07:04 | 6°♁47'27 | 1°07'13 | retrograde | 1896 Nov 02 06:48 | 29°♁24'33 | |
| minimum elong | 1891 Jul 30 06:32 | 6°♁46'34 | 1°07'13 | min. Earth dist. | 1896 Dec 04 13:40 | 22°♁20'34 | 0.56076 AU |
| max. Earth dist. | 1891 Aug 06 15:42 | 11°♁30'18 | 2.66358 AU | greatest brilliancy | 1896 Dec 10 06:45 | 20°♁07'10 | -1.8m |
| | 1891 Sep 04 16:07 | 0°♁ | | opposition | 1896 Dec 11 05:42 | 19°♁44'48 | 2°36'44 |
| morning rise | 1891 Sep 14 00:35 | 5°♁56'30 | | direct | 1897 Jan 16 08:18 | 11°♁34'00 | |
| | 1891 Oct 21 22:49 | 0°♁ | | | 1897 Mar 22 00:19 | 0°♁ | |
| | 1891 Dec 08 06:19 | 0°♁ | | | 1897 May 18 11:52 | 0°♁ | |
| | 1892 Jan 24 20:07 | 0°♁ | | | 1897 Jul 08 15:02 | 0°♁ | |
| desc. node | 1892 Mar 10 17:32 | 28°♁13'39 | | | 1897 Aug 25 16:45 | 0°♁ | |
| | 1892 Mar 13 16:39 | 0°♁ | | evening set | 1897 Oct 03 09:22 | 25°♁25'23 | |
| | 1892 May 06 22:42 | 0°♁ | | | 1897 Oct 10 03:59 | 0°♁ | |
| retrograde | 1892 Jul 05 03:29 | 17°♁14'00 | | max. Earth dist. | 1897 Oct 20 03:41 | 6°♁49'01 | 2.53462 AU |
| opposition | 1892 Aug 04 06:14 | 12°♁16'16 | -6°-46'-52 | desc. node | 1897 Oct 31 14:48 | 14°♁44'56 | |
| greatest brilliancy | 1892 Aug 05 00:06 | 12°♁04'22 | -2.8m | | | | |
| min. Earth dist. | 1892 Aug 06 14:05 | 11°♁39'07 | 0.37736 AU | conjunction | 1897 Nov 21 12:11 | 29°♁29'29 | 0°-12'-33 |
| direct | 1892 Sep 03 17:02 | 7°♁04'33 | | minimum elong | 1897 Nov 21 11:36 | 29°♁28'28 | 0°12'33 |
| | 1892 Nov 09 09:16 | 0°♁ | | behind sun begin | 1897 Nov 20 21:45 | 29°♁03'44 | |
| | 1892 Dec 27 23:03 | 0°♁ | | behind sun end | 1897 Nov 22 01:28 | 29°♁53'13 | |
| asc. node | 1893 Jan 08 21:33 | 7°♁49'34 | | | 1897 Nov 22 05:15 | 0°♁ | |
| | 1893 Feb 11 08:23 | 0°♁ | | | 1898 Jan 02 04:38 | 0°♁ | |
| | 1893 Mar 28 18:49 | 0°♁ | | morning rise | 1898 Jan 13 20:55 | 8°♁46'56 | |
| | 1893 May 14 01:59 | 0°♁ | | | 1898 Feb 10 15:17 | 0°♁ | |
| | 1893 Jun 30 04:04 | 0°♁ | | | 1898 Mar 21 05:47 | 0°♁ | |
| evening set | 1893 Jul 20 11:41 | 12°♁52'12 | | | 1898 Apr 28 20:10 | 0°♁ | |
| | 1893 Aug 16 12:07 | 0°♁ | | | 1898 Jun 07 09:34 | 0°♁ | |
| max. Earth dist. | 1893 Aug 28 21:57 | 7°♁53'38 | 2.67329 AU | | 1898 Jul 19 02:08 | 0°♁ | |
| | | | | asc. node | 1898 Aug 31 18:38 | 28°♁41'59 | |
| conjunction | 1893 Sep 04 09:00 | 12°♁00'50 | 1°03'32 | | 1898 Sep 02 21:36 | 0°♁ | |
| minimum elong | 1893 Sep 04 09:48 | 12°♁02'06 | 1°03'31 | | 1898 Oct 30 22:19 | 0°♁ | |
| | 1893 Oct 02 09:37 | 0°♁ | | retrograde | 1898 Dec 09 20:00 | 8°♁40'45 | |
| morning rise | 1893 Oct 18 16:47 | 10°♁33'49 | | | 1899 Jan 15 19:12 | 30°♁ | |
| | 1893 Nov 17 07:50 | 0°♁ | | min. Earth dist. | 1899 Jan 15 22:37 | 29°♁56'35 | 0.65070 AU |
| | 1894 Jan 01 01:49 | 0°♁ | | greatest brilliancy | 1899 Jan 18 07:31 | 28°♁59'31 | -1.3m |
| desc. node | 1894 Jan 26 16:50 | 17°♁32'18 | | opposition | 1899 Jan 18 23:32 | 28°♁43'27 | 4°21'49 |
| | 1894 Feb 13 16:37 | 0°♁ | | direct | 1899 Feb 27 05:54 | 19°♁25'06 | |
| | 1894 Mar 28 10:33 | 0°♁ | | | 1899 Apr 15 10:23 | 0°♁ | |
| | 1894 May 09 23:34 | 0°♁ | | | 1899 Jun 16 04:25 | 0°♁ | |
| | 1894 Jun 23 07:34 | 0°♁ | | | 1899 Aug 05 23:06 | 0°♁ | |
| | 1894 Aug 19 10:02 | 0°♁ | | desc. node | 1899 Sep 18 13:27 | 28°♁12'50 | |
| retrograde | 1894 Sep 16 00:15 | 5°♁03'48 | | | 1899 Sep 21 05:12 | 0°♁ | |
| min. Earth dist. | 1894 Oct 13 00:05 | 0°♁07'38 | 0.43098 AU | | 1899 Nov 03 06:05 | 0°♁ | |
| | 1894 Oct 13 09:37 | 30°♁ | | evening set | 1899 Nov 19 00:18 | 11°♁27'51 | |
| greatest brilliancy | 1894 Oct 20 01:25 | 27°♁48'22 | -2.5m | max. Earth dist. | 1899 Dec 08 13:43 | 26°♁01'10 | 2.40717 AU |
| opposition | 1894 Oct 20 22:16 | 27°♁31'05 | -2°-11'-56 | | 1899 Dec 13 20:17 | 0°♁ | |
| direct | 1894 Nov 21 14:34 | 21°♁20'58 | | | | | |
| asc. node | 1894 Nov 26 21:11 | 21°♁31'54 | | conjunction | 1900 Jan 16 04:49 | 25°♁38'40 | -1°00'-5 |
| | 1894 Dec 31 08:13 | 0°♁ | | minimum elong | 1900 Jan 16 03:01 | 25°♁35'10 | 1°00'05 |
| | 1895 Mar 01 21:13 | 0°♁ | | | 1900 Jan 21 18:51 | 0°♁ | |
| | 1895 Apr 22 04:57 | 0°♁ | | | 1900 Feb 28 22:15 | 0°♁ | |
| | 1895 Jun 10 16:15 | 0°♁ | | morning rise | 1900 Mar 25 00:40 | 18°♁57'36 | |
| | 1895 Jul 29 02:27 | 0°♁ | | | 1900 Apr 08 03:58 | 0°♁ | |
| evening set | 1895 Aug 26 13:46 | 18°♁00'41 | | | 1900 May 17 09:05 | 0°♁ | |
| | 1895 Sep 14 05:14 | 0°♁ | | | 1900 Jun 27 09:21 | 0°♁ | |
| max. Earth dist. | 1895 Sep 21 20:54 | 4°♁58'22 | 2.62923 AU | asc. node | 1900 Jul 19 18:28 | 15°♁38'45 | |

1900 Aug 10 01:15 0°☾