

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°♂		

	1810 Feb 19 11:54	0°♃							1815 Jan 03 11:59	0°♁			
	1810 Mar 31 10:26	0°♂							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						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						1815 Oct 09 19:35	25°♃55'43	0.42566 AU		
morning rise	1810 Aug 05 12:21	27°♁22'28							1815 Oct 16 15:41	23°♃42'17	-2.6m		
	1810 Aug 09 13:53	0°♂							1815 Oct 17 15:12	23°♃23'05	-2°-34'00		
	1810 Sep 25 19:52	0°♃							1815 Nov 18 00:29	17°♃19'34			
	1810 Nov 13 15:31	0°♁							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						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						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°♁							1816 Oct 08 05:43	14°♁49'02	0°37'47		
	1811 Sep 27 00:34	0°♁							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°♁							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							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						1817 Oct 16 13:49	24°♂38'39			
minimum elong	1812 Jul 27 01:38	3°♂47'57	1°06'33						1817 Oct 30 23:58	26°♂02'43			
max. Earth dist.	1812 Aug 04 04:43	9°♂00'33	2.66199 AU						1817 Dec 02 00:56	19°♂03'23	0.55563 AU		
	1812 Sep 06 03:08	0°♃							1817 Dec 07 21:35	16°♂46'59	-1.8m		
morning rise	1812 Sep 10 22:57	3°♃03'53							1817 Dec 08 19:23	16°♂25'48	2°25'06		
	1812 Oct 23 10:50	0°♁							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°♁							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						1818 Oct 18 02:45	3°♂50'31	2.53916 AU		
greatest brilliancy	1813 Aug 01 03:55	7°♁21'36	-2.8m						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							1818 Nov 19 01:14	26°♂09'08	0°-9'-24		
	1813 Nov 13 16:57	0°♁							1818 Nov 19 00:49	26°♂08'23	0°09'25		
	1813 Dec 31 00:49	0°♃							1818 Nov 18 07:08	25°♂36'56			
asc. node	1814 Jan 11 13:50	7°♃39'11							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°♁							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						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							1819 Dec 07 19:35	5°♂43'31			
	1814 Nov 19 17:25	0°♂							1820 Jan 06 01:39	30°♁			

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	

	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°♃	

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°♁	

	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°♉	

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°♁	

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°♁	

	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°♁	

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°☾