

conjunction	1900 Jan 16 04:49	25°♁38'40	-1°00'-5			1905 Jan 13 19:26	0°♌	
minimum elong	1900 Jan 16 03:01	25°♁35'10	1°00'05	retrograde		1905 Apr 02 20:46	25°♌06'31	
	1900 Jan 21 18:51	0°≈		opposition		1905 May 08 20:07	17°♌32'06	0°07'09
	1900 Feb 28 22:15	0°♁		greatest brilliancy		1905 May 08 21:36	17°♌30'45	-1.9m
morning rise	1900 Mar 25 00:40	18°♁57'36		desc. node		1905 May 11 09:33	16°♌36'18	
	1900 Apr 08 03:58	0°♂		min. Earth dist.		1905 May 16 18:23	14°♌40'25	0.53660 AU
	1900 May 17 09:05	0°♁		direct		1905 Jun 17 07:24	8°♌19'32	
	1900 Jun 27 09:21	0°♂				1905 Aug 21 19:33	0°♁	
asc. node	1900 Jul 19 18:28	15°♂38'45				1905 Oct 08 00:06	0°♁	
	1900 Aug 10 01:15	0°♁				1905 Nov 18 04:15	0°≈	
	1900 Sep 26 18:08	0°♂				1905 Dec 27 13:50	0°♁	
	1900 Nov 23 08:41	0°♁				1906 Feb 04 23:45	0°♂	
retrograde	1901 Jan 13 07:04	12°♁32'50		asc. node		1906 Mar 11 15:13	25°♂43'45	
opposition	1901 Feb 22 06:11	2°♁57'27	4°24'55			1906 Mar 17 11:54	0°♁	
greatest brilliancy	1901 Feb 22 09:18	2°♁54'21	-1.2m			1906 Apr 28 17:00	0°♂	
min. Earth dist.	1901 Feb 23 02:33	2°♁37'10	0.67741 AU	evening set		1906 May 25 15:23	18°♂27'56	
	1901 Mar 01 19:28	30°♂				1906 Jun 11 19:39	0°♁	
direct	1901 Apr 04 06:52	23°♂03'48						
	1901 May 11 06:05	0°♁		conjunction		1906 Jul 15 19:57	22°♁22'39	1°01'07
	1901 Jul 13 19:59	0°♁		minimum elong		1906 Jul 15 18:48	22°♁20'48	1°01'08
desc. node	1901 Aug 06 12:25	13°♁59'35				1906 Jul 27 14:13	0°♂	
	1901 Aug 31 18:13	0°♌		max. Earth dist.		1906 Jul 29 05:38	1°♂03'36	2.64483 AU
	1901 Oct 14 12:48	0°♁		morning rise		1906 Aug 31 23:38	22°♂40'05	
	1901 Nov 24 04:44	0°♁				1906 Sep 12 12:53	0°♁	
	1902 Jan 01 23:54	0°≈				1906 Oct 30 04:26	0°♁	
evening set	1902 Jan 20 22:06	14°≈54'49				1906 Dec 17 12:07	0°♌	
	1902 Feb 08 23:54	0°♁				1907 Feb 05 09:29	0°♁	
	1902 Mar 19 04:31	0°♂		desc. node		1907 Mar 29 09:55	28°♁22'12	
						1907 Apr 01 18:33	0°♁	
conjunction	1902 Mar 30 00:47	8°♂23'34	0°-42'-1	retrograde		1907 Jun 05 06:42	18°♁53'55	
minimum elong	1902 Mar 30 03:55	8°♂29'36	0°42'00	opposition		1907 Jul 06 15:28	13°♁23'24	-5°-14'-26
	1902 Apr 27 10:49	0°♁		greatest brilliancy		1907 Jul 08 05:36	12°♁55'16	-2.6m
max. Earth dist.	1902 May 20 08:15	16°♁55'37	2.43066 AU	min. Earth dist.		1907 Jul 13 04:42	11°♁27'56	0.40758 AU
morning rise	1902 Jun 04 08:27	27°♁46'14		direct		1907 Aug 09 03:28	6°♁58'50	
asc. node	1902 Jun 06 17:02	29°♁27'23				1907 Oct 13 14:29	0°≈	
	1902 Jun 07 11:20	0°♂				1907 Nov 29 04:30	0°♁	
	1902 Jul 20 17:44	0°♁				1908 Jan 11 04:39	0°♂	
	1902 Sep 04 14:48	0°♂		asc. node		1908 Jan 27 13:03	11°♂28'31	
	1902 Oct 23 22:55	0°♁				1908 Feb 23 03:25	0°♁	
	1902 Dec 20 03:33	0°♁				1908 Apr 07 04:06	0°♂	
retrograde	1903 Feb 18 15:34	16°♁17'11				1908 May 22 14:14	0°♁	
opposition	1903 Mar 29 07:31	7°♁26'28	3°07'50	evening set		1908 Jul 06 12:25	28°♁56'56	
greatest brilliancy	1903 Mar 30 00:44	7°♁09'44	-1.4m			1908 Jul 08 03:54	0°♂	
min. Earth dist.	1903 Apr 02 23:40	5°♁37'40	0.63803 AU	max. Earth dist.		1908 Aug 21 01:48	27°♂57'37	2.67612 AU
	1903 Apr 19 20:46	30°♁						
direct	1903 May 09 15:26	27°♁26'12		conjunction		1908 Aug 22 05:24	28°♂41'31	1°08'03
	1903 May 30 17:20	0°♁		minimum elong		1908 Aug 22 05:45	28°♂42'04	1°08'03
desc. node	1903 Jun 24 10:52	8°♁06'17				1908 Aug 24 06:44	0°♁	
	1903 Aug 06 16:27	0°♌		morning rise		1908 Oct 05 17:17	27°♁05'29	
	1903 Sep 22 13:52	0°♁				1908 Oct 10 06:05	0°♁	
	1903 Nov 03 05:31	0°♁				1908 Nov 25 14:18	0°♌	
	1903 Dec 12 09:56	0°≈				1909 Jan 10 03:55	0°♁	
	1904 Jan 19 15:50	0°♁		desc. node		1909 Feb 13 08:58	22°♁48'52	
	1904 Feb 27 03:12	0°♂				1909 Feb 24 02:13	0°♁	
evening set	1904 Mar 31 11:41	25°♂20'04				1909 Apr 09 20:34	0°≈	
	1904 Apr 06 18:06	0°♁				1909 May 25 22:54	0°♁	
asc. node	1904 Apr 23 16:05	12°♁26'07				1909 Jul 21 08:36	0°♂	
	1904 May 18 03:35	0°♂		retrograde		1909 Aug 23 02:21	6°♂47'42	
				min. Earth dist.		1909 Sep 18 18:58	2°♂20'55	0.38947 AU
conjunction	1904 May 30 17:06	8°♂49'14	0°22'49	greatest brilliancy		1909 Sep 23 07:19	1°♂02'11	-2.8m
minimum elong	1904 May 30 15:48	8°♂47'00	0°22'48	opposition		1909 Sep 24 10:09	0°♂42'38	-4°-54'-26
	1904 Jun 30 14:56	0°♁				1909 Sep 26 21:19	30°♁	
max. Earth dist.	1904 Jul 01 20:40	0°♁50'03	2.55988 AU	direct		1909 Oct 24 07:15	25°♁26'52	
morning rise	1904 Jul 23 16:09	15°♁21'15				1909 Nov 20 20:48	0°♂	
	1904 Aug 15 03:22	0°♂		asc. node		1909 Dec 14 12:39	9°♂14'16	
	1904 Oct 01 13:52	0°♁				1910 Jan 23 01:54	0°♁	
	1904 Nov 20 06:24	0°♁				1910 Mar 14 07:17	0°♂	

	1910 May 01 20:49	0°☉			1915 Jan 30 06:12	0°≈		
	1910 Jun 19 03:30	0°♁		morning rise	1915 Feb 24 01:29	19°≈24'26		
	1910 Aug 06 00:58	0°♃			1915 Mar 09 12:56	0°♃		
evening set	1910 Aug 13 05:40	4°♃32'58		greatest brilliancy	1915 Mar 17 20:05	6°♃31'24	1.2m	
max. Earth dist.	1910 Sep 13 05:46	24°♃20'18	2.65277 AU		1915 Apr 16 20:42	0°♃		
	1910 Sep 22 00:15	0°♁			1915 May 26 03:08	0°♃		
conjunction	1910 Sep 27 17:00	3°♁41'49	0°48'56	asc. node	1915 Jul 06 06:23	0°♁		
minimum elong	1910 Sep 27 18:08	3°♁43'39	0°48'55		1915 Aug 06 09:52	21°♁26'49		
	1910 Nov 06 13:39	0°♃			1915 Aug 19 09:10	0°☉		
morning rise	1910 Nov 11 17:22	3°♃27'44		retrograde	1915 Oct 07 20:48	0°♁		
	1910 Dec 20 12:16	0°♃		min. Earth dist.	1915 Dec 31 22:29	29°♁49'23		
desc. node	1911 Jan 01 07:17	8°♃14'36		opposition	1916 Feb 09 10:26	20°♁18'42	0.67485 AU	
	1911 Jan 31 21:30	0°♃		greatest brilliancy	1916 Feb 10 02:39	20°♁02'29	4°33'20	
	1911 Mar 14 00:07	0°≈		direct	1916 Feb 09 22:07	20°♁07'01	-1.2m	
	1911 Apr 23 08:28	0°♃			1916 Mar 21 14:43	10°♁19'34		
	1911 Jun 02 21:48	0°♃			1916 May 28 18:42	0°♃		
	1911 Jul 15 16:01	0°♃		desc. node	1916 Jul 23 05:23	0°♁		
	1911 Sep 05 15:21	0°♁			1916 Aug 23 03:47	19°♁10'00		
retrograde	1911 Oct 18 08:37	10°♁57'46			1916 Sep 08 17:44	0°♃		
asc. node	1911 Nov 01 12:43	9°♁28'14			1916 Oct 22 02:58	0°♃		
min. Earth dist.	1911 Nov 17 11:09	4°♁42'54	0.51120 AU	evening set	1916 Dec 01 17:10	0°♃		
greatest brilliancy	1911 Nov 24 15:18	2°♁01'43	-2.1m		1916 Dec 25 02:15	17°♃56'57		
opposition	1911 Nov 25 04:59	1°♁48'53	1°12'21		1917 Jan 09 12:55	0°≈		
	1911 Nov 30 04:07	30°♃			1917 Feb 16 13:33	0°♃		
direct	1911 Dec 29 16:25	24°♃18'13		conjunction	1917 Feb 28 21:09	9°♃43'42	-1°00'-26	
	1912 Jan 30 21:02	0°♁		minimum elong	1917 Feb 28 23:25	9°♃48'10	1°00'26	
	1912 Apr 05 11:31	0°☉			1917 Mar 26 17:40	0°♃		
	1912 May 28 08:16	0°♁		max. Earth dist.	1917 Apr 10 19:47	11°♃40'31	2.38097 AU	
	1912 Jul 17 02:43	0°♃			1917 May 04 22:14	0°♃		
	1912 Sep 02 17:04	0°♁		morning rise	1917 May 10 03:46	3°♃54'52		
evening set	1912 Sep 18 18:56	10°♁27'29			1917 Jun 14 20:58	0°♁		
max. Earth dist.	1912 Oct 08 17:59	23°♁41'28	2.57707 AU	asc. node	1917 Jun 23 09:46	6°♁03'27		
	1912 Oct 18 02:39	0°♃			1917 Jul 28 04:00	0°☉		
conjunction	1912 Nov 05 02:17	12°♃18'26	0°07'49		1917 Sep 12 10:52	0°♁		
minimum elong	1912 Nov 05 02:36	12°♃18'58	0°07'49		1917 Nov 02 11:00	0°♃		
behind sun begin	1912 Nov 04 08:32	11°♃47'46		retrograde	1918 Jan 11 08:55	0°♁		
behind sun end	1912 Nov 05 20:39	12°♃50'12			1918 Feb 03 23:01	3°♁03'54		
desc. node	1912 Nov 18 06:19	21°♃28'54		opposition	1918 Feb 25 19:00	30°♃		
	1912 Nov 30 07:41	0°♃		greatest brilliancy	1918 Mar 15 06:44	23°♃52'48	3°47'41	
morning rise	1912 Dec 24 18:41	17°♃37'59		min. Earth dist.	1918 Mar 15 20:00	23°♃39'45	-1.3m	
	1913 Jan 10 13:43	0°♃		direct	1918 Mar 18 11:27	22°♃37'24	0.66130 AU	
	1913 Feb 19 08:00	0°≈			1918 Apr 25 16:44	13°♃50'58		
	1913 Mar 30 05:53	0°♃		desc. node	1918 Jun 23 19:19	0°♁		
	1913 May 08 03:00	0°♃			1918 Jul 11 03:02	8°♁35'18		
	1913 Jun 17 00:38	0°♃			1918 Aug 17 04:16	0°♃		
	1913 Jul 29 10:31	0°♁			1918 Oct 01 07:42	0°♃		
	1913 Sep 15 17:18	0°☉			1918 Nov 11 10:13	0°♃		
asc. node	1913 Sep 18 11:30	1°☉30'54			1918 Dec 20 09:05	0°≈		
retrograde	1913 Nov 26 21:11	24°☉33'52		evening set	1919 Jan 27 11:20	0°♃		
min. Earth dist.	1914 Jan 01 05:55	16°☉25'09	0.62244 AU		1919 Mar 06 04:06	29°♃31'33		
greatest brilliancy	1914 Jan 04 20:56	14°☉58'21	-1.5m		1919 Mar 06 18:48	0°♃		
opposition	1914 Jan 05 18:35	14°☉36'44	3°56'09		1919 Apr 15 05:00	0°♃		
direct	1914 Feb 12 23:35	5°☉40'15		conjunction	1919 May 09 18:13	18°♃03'25	0°-1'-1	
	1914 May 01 20:31	0°♁		minimum elong	1919 May 09 18:18	18°♃03'32	0°01'02	
	1914 Jun 26 04:48	0°♃		behind sun begin	1919 May 08 16:41	17°♃17'08		
	1914 Aug 14 14:10	0°♁		behind sun end	1919 May 10 19:54	18°♃49'53		
	1914 Sep 29 10:38	0°♃		asc. node	1919 May 11 08:09	19°♃12'03		
desc. node	1914 Oct 06 05:17	4°♃36'23			1919 May 26 09:38	0°♁		
evening set	1914 Oct 31 09:23	22°♃06'53		max. Earth dist.	1919 Jun 19 10:05	16°♁49'22	2.51323 AU	
	1914 Nov 11 10:47	0°♃		morning rise	1919 Jul 06 23:28	28°♁49'26		
max. Earth dist.	1914 Nov 15 03:33	2°♃39'51	2.45797 AU		1919 Jul 08 17:14	0°☉		
	1914 Dec 22 03:49	0°♃			1919 Aug 23 06:17	0°♁		
conjunction	1914 Dec 24 04:19	1°♃31'32	0°-44'-47		1919 Oct 10 03:53	0°♃		
minimum elong	1914 Dec 24 02:15	1°♃27'39	0°44'47		1919 Nov 30 12:10	0°♁		
					1920 Jan 31 23:18	0°♃		

retrograde	1920 Mar 15 03:04	9°♍05'56		1925 Mar 24 00:42	0°♈	
opposition	1920 Apr 21 08:43	0°♍56'16	1°33'01	1925 May 09 22:44	0°♁	
greatest brilliancy	1920 Apr 21 23:06	0°♍42'45	-1.6m	1925 Jun 26 09:08	0°♈	
	1920 Apr 23 20:29	30°♁		evening set	1925 Jul 29 20:39	21°♈07'29
min. Earth dist.	1920 Apr 28 04:29	28°♁22'47	0.58306 AU		1925 Aug 12 21:12	0°♍
desc. node	1920 May 28 01:59	21°♁20'33		max. Earth dist.	1925 Sep 04 05:04	14°♍12'29 2.66824 AU
direct	1920 May 31 22:25	21°♁14'39				
	1920 Jul 10 18:14	0°♍		conjunction	1925 Sep 13 11:31	20°♍08'26 0°59'09
	1920 Sep 04 20:27	0°♁		minimum elong	1925 Sep 13 12:29	20°♍10'00 0°59'09
	1920 Oct 18 13:22	0°♁			1925 Sep 28 19:01	0°♁
	1920 Nov 27 13:38	0°♁		morning rise	1925 Oct 27 21:40	18°♁58'20
	1921 Jan 05 07:39	0°♁			1925 Nov 13 14:02	0°♍
	1921 Feb 13 05:21	0°♁			1925 Dec 28 00:36	0°♁
	1921 Mar 25 06:26	0°♁		desc. node	1926 Jan 17 22:48	14°♁27'02
asc. node	1921 Mar 28 06:26	2°♁11'56			1926 Feb 09 03:35	0°♁
evening set	1921 May 06 03:24	0°♈02'54			1926 Mar 23 04:39	0°♁
	1921 May 06 01:45	0°♈			1926 May 03 17:03	0°♁
	1921 Jun 18 20:34	0°♁			1926 Jun 15 00:50	0°♁
					1926 Aug 01 09:14	0°♁
conjunction	1921 Jun 29 06:26	6°♁56'46	0°50'20	retrograde	1926 Sep 29 05:43	19°♁27'25
minimum elong	1921 Jun 29 04:51	6°♁54'09	0°50'19	min. Earth dist.	1926 Oct 27 05:06	14°♁04'08 0.45882 AU
max. Earth dist.	1921 Jul 19 10:16	20°♁13'41	2.61785 AU	greatest brilliancy	1926 Nov 04 00:48	11°♁20'15 -2.4m
	1921 Aug 03 11:01	0°♈		opposition	1926 Nov 04 09:30	11°♁12'37 0°-47'-2
morning rise	1921 Aug 17 11:10	9°♈01'08		asc. node	1926 Nov 18 04:10	6°♁56'10
	1921 Sep 19 11:40	0°♍		direct	1926 Dec 07 02:25	4°♁31'24
	1921 Nov 06 16:13	0°♁			1927 Feb 22 00:43	0°♈
	1921 Dec 26 11:48	0°♍			1927 Apr 17 01:29	0°♁
	1922 Feb 18 16:15	0°♁			1927 Jun 06 11:36	0°♈
desc. node	1922 Apr 15 00:45	22°♁16'02			1927 Jul 25 07:47	0°♍
retrograde	1922 May 08 06:09	25°♁16'19		evening set	1927 Sep 04 21:56	26°♍20'03
opposition	1922 Jun 10 14:10	18°♁53'23	-2°-57'-16		1927 Sep 10 14:19	0°♁
greatest brilliancy	1922 Jun 11 20:51	18°♁28'19	-2.3m	max. Earth dist.	1927 Sep 28 19:20	11°♁52'23 2.61267 AU
min. Earth dist.	1922 Jun 18 22:37	16°♁10'20	0.45595 AU			
direct	1922 Jul 17 02:12	11°♁06'08		conjunction	1927 Oct 21 02:09	26°♁40'58 0°26'01
	1922 Sep 13 13:02	0°♁		minimum elong	1927 Oct 21 03:02	26°♁42'26 0°25'59
	1922 Oct 30 18:55	0°♁			1927 Oct 26 00:20	0°♍
	1922 Dec 11 13:10	0°♁		desc. node	1927 Dec 05 21:28	28°♍11'32
	1923 Jan 21 10:07	0°♁		morning rise	1927 Dec 07 06:55	29°♍10'26
asc. node	1923 Feb 13 06:04	16°♁34'16			1927 Dec 08 11:01	0°♁
	1923 Mar 04 00:42	0°♁			1928 Jan 19 02:02	0°♁
	1923 Apr 16 02:54	0°♈			1928 Feb 28 06:30	0°♁
	1923 May 30 21:19	0°♁			1928 Apr 07 14:27	0°♁
evening set	1923 Jun 21 18:57	14°♁19'27			1928 May 16 21:35	0°♁
	1923 Jul 16 01:26	0°♈			1928 Jun 26 09:04	0°♁
					1928 Aug 09 04:10	0°♈
conjunction	1923 Aug 08 19:35	15°♈12'24	1°08'43		1928 Oct 03 03:46	0°♁
minimum elong	1923 Aug 08 19:23	15°♈12'05	1°08'44	asc. node	1928 Oct 05 03:26	0°♁48'26
max. Earth dist.	1923 Aug 13 01:00	17°♈54'10	2.67039 AU	retrograde	1928 Nov 12 04:13	9°♁17'23
	1923 Sep 01 00:57	0°♍		min. Earth dist.	1928 Dec 15 14:28	1°♁49'11 0.58497 AU
morning rise	1923 Sep 22 23:14	13°♍56'52			1928 Dec 20 05:23	30°♈
	1923 Oct 18 04:18	0°♁			1928 Dec 20 13:24	29°♈52'05 -1.7m
	1923 Dec 04 02:11	0°♍		greatest brilliancy	1928 Dec 21 13:35	29°♈28'15 3°12'28
	1924 Jan 19 19:06	0°♁		opposition	1929 Jan 27 12:02	20°♈59'18
desc. node	1924 Mar 02 00:09	26°♁58'16		direct	1929 Mar 10 23:18	0°♁
	1924 Mar 06 19:02	0°♁			1929 May 13 02:33	0°♈
	1924 Apr 24 15:58	0°♁			1929 Jul 04 10:03	0°♍
	1924 Jun 24 16:27	0°♁			1929 Aug 21 21:52	0°♁
retrograde	1924 Jul 24 11:01	5°♁18'36			1929 Oct 06 12:27	0°♍
min. Earth dist.	1924 Aug 22 23:45	0°♁26'29	0.37285 AU	evening set	1929 Oct 13 18:47	4°♍56'47
opposition	1924 Aug 23 17:02	0°♁15'01	-6°-44'-20	desc. node	1929 Oct 22 20:53	11°♍11'57
greatest brilliancy	1924 Aug 23 15:27	0°♁16'03	-2.9m	max. Earth dist.	1929 Oct 29 04:14	15°♍34'59 2.50824 AU
	1924 Aug 24 15:38	30°♁			1929 Nov 18 13:29	0°♁
direct	1924 Sep 22 09:15	25°♁19'49				
	1924 Oct 19 18:42	0°♁		conjunction	1929 Dec 03 07:11	10°♁39'09 0°-24'-41
	1924 Dec 19 11:09	0°♁		minimum elong	1929 Dec 03 06:01	10°♁37'01 0°24'41
asc. node	1924 Dec 31 05:36	7°♁08'51			1929 Dec 29 10:45	0°♁
	1925 Feb 05 10:17	0°♁		morning rise	1930 Jan 28 08:40	22°♁44'36

	1930 Feb 06 18:21	0°≈		desc. node	1935 Jun 14 17:00	10°♁26'24	
	1930 Mar 17 05:55	0°✠			1935 Jul 29 17:32	0°♌	
	1930 Apr 24 17:27	0°♃			1935 Sep 16 12:59	0°♁	
	1930 Jun 03 03:15	0°♄			1935 Oct 28 18:22	0°♄	
	1930 Jul 14 12:54	0°♁			1935 Dec 07 04:34	0°≈	
asc. node	1930 Aug 23 02:27	26°♁35'13			1936 Jan 14 13:59	0°✠	
	1930 Aug 28 11:27	0°♄			1936 Feb 22 04:09	0°♃	
	1930 Oct 20 14:43	0°♁			1936 Apr 01 21:30	0°♄	
retrograde	1930 Dec 18 13:45	16°♁48'44		evening set	1936 Apr 14 02:51	8°♄59'05	
min. Earth dist.	1931 Jan 25 14:13	7°♁47'01	0.66214 AU	asc. node	1936 Apr 13 23:57	8°♄53'49	
greatest brilliancy	1931 Jan 27 06:56	7°♁06'12	-1.3m		1936 May 13 09:17	0°♁	
opposition	1931 Jan 27 19:06	6°♁54'00	4°29'51				
	1931 Feb 16 14:27	30°♄		conjunction	1936 Jun 11 00:01	19°♁52'46	0°34'21
direct	1931 Mar 08 13:52	27°♄25'47		minimum elong	1936 Jun 10 22:25	19°♁50'02	0°34'20
	1931 Mar 30 03:48	0°♁			1936 Jun 25 21:53	0°♄	
	1931 Jun 10 14:58	0°♃		max. Earth dist.	1936 Jul 08 17:15	8°♄34'11	2.58252 AU
	1931 Aug 01 16:38	0°♁		morning rise	1936 Aug 02 00:50	24°♄34'11	
desc. node	1931 Sep 09 20:08	24°♁59'10			1936 Aug 10 09:43	0°♁	
	1931 Sep 17 08:43	0°♌			1936 Sep 26 14:51	0°♃	
	1931 Oct 30 12:46	0°♁			1936 Nov 14 14:52	0°♁	
evening set	1931 Dec 02 04:25	24°♁00'17			1937 Jan 05 20:39	0°♌	
	1931 Dec 10 03:11	0°♄			1937 Mar 13 03:16	0°♁	
max. Earth dist.	1932 Jan 01 23:24	17°♄30'10	2.38278 AU	retrograde	1937 Apr 14 14:42	5°♁32'01	
	1932 Jan 18 00:35	0°≈		desc. node	1937 May 01 16:13	3°♁43'01	
					1937 May 14 22:52	30°♌	
conjunction	1932 Feb 01 05:31	11°≈09'12	-1°-4'-22	opposition	1937 May 19 18:37	28°♌20'36	0°-53'-1
minimum elong	1932 Feb 01 04:50	11°≈07'51	1°04'22	greatest brilliancy	1937 May 20 04:50	28°♌11'38	-2.0m
	1932 Feb 25 02:36	0°✠		min. Earth dist.	1937 May 28 03:32	25°♌24'43	0.50854 AU
	1932 Apr 03 07:02	0°♃		direct	1937 Jun 27 10:08	19°♌31'54	
morning rise	1932 Apr 11 07:47	6°♃14'10			1937 Aug 08 22:14	0°♁	
	1932 May 12 10:53	0°♄			1937 Sep 30 09:08	0°♄	
	1932 Jun 22 09:19	0°♁			1937 Nov 11 18:31	0°≈	
asc. node	1932 Jul 10 00:31	12°♁25'09			1937 Dec 21 17:46	0°✠	
	1932 Aug 04 19:52	0°♄			1938 Jan 30 12:44	0°♃	
	1932 Sep 20 19:43	0°♁		asc. node	1938 Mar 01 22:01	22°♃26'50	
	1932 Nov 13 21:25	0°♃			1938 Mar 12 07:48	0°♄	
retrograde	1933 Jan 21 01:28	20°♃17'00			1938 Apr 23 18:39	0°♁	
opposition	1933 Mar 01 20:28	10°♃49'21	4°14'31	evening set	1938 Jun 04 21:53	28°♁34'14	
greatest brilliancy	1933 Mar 02 03:33	10°♃42'20	-1.2m		1938 Jun 07 01:28	0°♄	
min. Earth dist.	1933 Mar 03 13:00	10°♃09'11	0.67460 AU		1938 Jul 22 22:26	0°♁	
direct	1933 Apr 12 02:17	0°♃51'39					
	1933 Jul 06 22:03	0°♁		conjunction	1938 Jul 24 19:08	1°♁12'04	1°05'12
desc. node	1933 Jul 27 18:29	11°♁46'47		minimum elong	1938 Jul 24 18:19	1°♁10'46	1°05'12
	1933 Aug 26 06:34	0°♌		max. Earth dist.	1938 Aug 03 18:10	7°♁36'32	2.65618 AU
	1933 Oct 09 11:35	0°♁			1938 Sep 07 20:22	0°♃	
	1933 Nov 19 07:18	0°♄		morning rise	1938 Sep 09 02:10	0°♃47'17	
	1933 Dec 28 03:43	0°≈			1938 Oct 25 06:20	0°♁	
	1934 Feb 04 04:13	0°✠			1938 Dec 11 23:25	0°♌	
evening set	1934 Feb 05 19:28	1°✠17'32			1939 Jan 29 09:49	0°♁	
	1934 Mar 14 09:09	0°♃		desc. node	1939 Mar 19 15:18	29°♁03'43	
					1939 Mar 21 07:25	0°♄	
conjunction	1934 Apr 14 13:54	23°♃55'34	0°-27'-39		1939 May 25 00:19	0°≈	
minimum elong	1934 Apr 14 16:09	23°♃59'47	0°27'38	retrograde	1939 Jun 22 18:34	4°≈42'22	
	1934 Apr 22 15:40	0°♄			1939 Jul 21 19:31	30°♄	
asc. node	1934 May 28 00:25	25°♄56'51		opposition	1939 Jul 23 08:03	29°♄34'48	-6°-17'-55
max. Earth dist.	1934 Jun 02 11:06	29°♄50'39	2.46054 AU	greatest brilliancy	1939 Jul 24 14:35	29°♄13'40	-2.8m
	1934 Jun 02 16:21	0°♁		min. Earth dist.	1939 Jul 27 20:46	28°♄19'52	0.38789 AU
morning rise	1934 Jun 17 00:15	10°♁07'43		direct	1939 Aug 23 23:58	23°♄55'06	
	1934 Jul 15 21:33	0°♄			1939 Sep 24 01:13	0°≈	
	1934 Aug 30 13:43	0°♁			1939 Nov 19 15:56	0°✠	
	1934 Oct 18 04:59	0°♃			1940 Jan 04 00:05	0°♃	
	1934 Dec 11 09:32	0°♁		asc. node	1940 Jan 17 21:03	9°♃26'27	
retrograde	1935 Feb 27 12:11	24°♁37'00			1940 Feb 17 01:54	0°♄	
opposition	1935 Apr 06 17:34	15°♁59'21	2°37'48		1940 Apr 01 18:41	0°♁	
greatest brilliancy	1935 Apr 07 11:16	15°♁42'20	-1.5m		1940 May 17 14:45	0°♄	
min. Earth dist.	1935 Apr 12 04:59	13°♁53'13	0.62102 AU		1940 Jul 03 10:32	0°♁	
direct	1935 May 17 21:37	6°♁03'08		evening set	1940 Jul 15 03:50	7°♁27'11	

	1940 Aug 19 15:58	0°♄			1945 Jul 23 08:59	0°♁		
max. Earth dist.	1940 Aug 26 06:42	4°♄12'23	2.67559 AU		1945 Sep 07 20:56	0°♁		
				asc. node	1945 Sep 08 18:00	0°♁31'11		
conjunction	1940 Aug 30 08:30	6°♄48'03	1°05'51		1945 Nov 11 21:05	0°♁		
minimum elong	1940 Aug 30 09:07	6°♄49'03	1°05'52	retrograde	1945 Dec 04 22:49	3°♁13'47		
	1940 Oct 05 14:21	0°♁			1945 Dec 26 15:04	30°♁		
morning rise	1940 Oct 13 16:47	5°♁13'29		min. Earth dist.	1946 Jan 10 07:34	24°♁45'02	0.63934 AU	
	1940 Nov 20 17:16	0°♁		greatest brilliancy	1946 Jan 13 05:59	23°♁34'36	-1.4m	
	1941 Jan 04 19:42	0°♁		opposition	1946 Jan 14 00:52	23°♁15'43	4°13'13	
desc. node	1941 Feb 03 14:27	20°♁10'14		direct	1946 Feb 21 21:12	14°♁06'26		
	1941 Feb 17 23:32	0°♁			1946 Apr 22 19:31	0°♁		
	1941 Apr 02 11:46	0°♁			1946 Jun 20 08:31	0°♁		
	1941 May 16 05:05	0°♁			1946 Aug 09 13:17	0°♁		
	1941 Jul 02 05:17	0°♁			1946 Sep 24 16:35	0°♁		
retrograde	1941 Sep 06 18:34	23°♁43'12		desc. node	1946 Sep 26 11:24	1°♁12'17		
min. Earth dist.	1941 Oct 03 07:26	19°♁04'11	0.41046 AU		1946 Nov 06 18:22	0°♁		
greatest brilliancy	1941 Oct 09 10:17	17°♁09'50	-2.6m	evening set	1946 Nov 11 05:16	3°♁12'29		
opposition	1941 Oct 10 12:47	16°♁49'03	-3°-22'-13	max. Earth dist.	1946 Nov 27 09:08	15°♁00'41	2.42952 AU	
direct	1941 Nov 10 08:33	11°♁04'28			1946 Dec 17 10:56	0°♁		
asc. node	1941 Dec 04 21:07	14°♁42'34						
	1942 Jan 11 22:21	0°♁		conjunction	1947 Jan 06 07:15	15°♁08'01	0°-54'-26	
	1942 Mar 07 08:04	0°♁		minimum elong	1947 Jan 06 05:07	15°♁03'54	0°54'27	
	1942 Apr 26 06:18	0°♁			1947 Jan 25 11:44	0°♁		
	1942 Jun 14 03:56	0°♁			1947 Mar 04 16:46	0°♁		
	1942 Aug 01 08:27	0°♁		morning rise	1947 Mar 12 15:25	6°♁15'15		
evening set	1942 Aug 21 10:07	12°♁41'09			1947 Apr 11 23:03	0°♁		
	1942 Sep 17 10:11	0°♁			1947 May 21 03:40	0°♁		
max. Earth dist.	1942 Sep 18 17:45	0°♁51'07	2.64078 AU		1947 Jul 01 03:34	0°♁		
				asc. node	1947 Jul 27 18:12	18°♁31'24		
conjunction	1942 Oct 06 00:06	12°♁06'36	0°41'26		1947 Aug 13 21:26	0°♁		
minimum elong	1942 Oct 06 01:14	12°♁08'27	0°41'26		1947 Oct 01 02:31	0°♁		
	1942 Nov 01 22:36	0°♁			1947 Dec 01 11:44	0°♁		
morning rise	1942 Nov 20 14:32	12°♁38'54		retrograde	1948 Jan 08 13:49	7°♁36'36		
	1942 Dec 15 16:51	0°♁			1948 Feb 12 10:28	30°♁		
desc. node	1942 Dec 22 13:55	4°♁49'29		opposition	1948 Feb 17 16:16	27°♁55'33	4°29'44	
	1943 Jan 26 19:10	0°♁		greatest brilliancy	1948 Feb 17 15:58	27°♁55'51	-1.2m	
	1943 Mar 08 12:42	0°♁		min. Earth dist.	1948 Feb 17 20:08	27°♁51'41	0.67758 AU	
	1943 Apr 17 10:25	0°♁		direct	1948 Mar 29 12:33	18°♁06'13		
	1943 May 27 09:25	0°♁			1948 May 18 20:54	0°♁		
	1943 Jul 07 23:05	0°♁			1948 Jul 17 05:25	0°♁		
	1943 Aug 23 23:58	0°♁		desc. node	1948 Aug 13 10:04	16°♁24'39		
asc. node	1943 Oct 22 18:55	22°♁01'16			1948 Sep 03 13:58	0°♁		
retrograde	1943 Oct 28 05:16	22°♁13'56			1948 Oct 17 05:43	0°♁		
min. Earth dist.	1943 Nov 28 13:14	15°♁31'36	0.53945 AU		1948 Nov 26 21:59	0°♁		
greatest brilliancy	1943 Dec 04 21:56	13°♁05'11	-1.9m		1949 Jan 04 17:50	0°♁		
opposition	1943 Dec 05 18:31	12°♁45'25	2°05'03	evening set	1949 Jan 08 21:04	3°♁14'48		
direct	1944 Jan 10 04:37	4°♁51'25			1949 Feb 11 18:05	0°♁		
	1944 Mar 28 09:54	0°♁						
	1944 May 22 14:16	0°♁		conjunction	1949 Mar 17 10:14	26°♁29'56	0°-51'-25	
	1944 Jul 12 02:54	0°♁		minimum elong	1949 Mar 17 13:28	26°♁36'13	0°51'24	
	1944 Aug 29 00:23	0°♁			1949 Mar 21 22:02	0°♁		
evening set	1944 Sep 27 13:39	19°♁18'35			1949 Apr 30 02:33	0°♁		
	1944 Oct 13 12:09	0°♁		max. Earth dist.	1949 May 07 01:22	5°♁11'56	2.40685 AU	
max. Earth dist.	1944 Oct 15 14:26	1°♁25'13	2.55454 AU	morning rise	1949 May 24 21:02	18°♁20'00		
desc. node	1944 Nov 08 12:52	17°♁54'14			1949 Jun 10 00:57	0°♁		
				asc. node	1949 Jun 13 16:52	2°♁36'37		
conjunction	1944 Nov 14 18:28	22°♁16'31	0°-3'-45		1949 Jul 23 05:54	0°♁		
minimum elong	1944 Nov 14 18:18	22°♁16'14	0°03'47		1949 Sep 07 04:51	0°♁		
behind sun begin	1944 Nov 13 21:50	21°♁40'14			1949 Oct 27 00:58	0°♁		
behind sun end	1944 Nov 15 14:47	22°♁52'15			1949 Dec 26 05:23	0°♁		
	1944 Nov 25 16:11	0°♁		retrograde	1950 Feb 12 05:48	11°♁02'25		
morning rise	1945 Jan 05 07:38	29°♁37'53		opposition	1950 Mar 23 05:44	2°♁01'59	3°25'54	
	1945 Jan 05 19:31	0°♁		greatest brilliancy	1950 Mar 23 21:25	1°♁46'40	-1.3m	
	1945 Feb 14 09:58	0°♁		min. Earth dist.	1950 Mar 27 06:10	0°♁27'56	0.64972 AU	
	1945 Mar 25 03:43	0°♁			1950 Mar 28 11:05	30°♁		
	1945 May 02 20:29	0°♁		direct	1950 May 03 15:51	22°♁00'21		
	1945 Jun 11 11:52	0°♁			1950 Jun 11 20:27	0°♁		

desc. node	1950 Jul 01 08:48	8°♁11'52		conjunction	1955 Aug 17 02:46	23°♁26'15	1°08'48
	1950 Aug 10 16:48	0°♁		minimum elong	1955 Aug 17 02:53	23°♁26'27	1°08'48
	1950 Sep 25 19:48	0°♁		max. Earth dist.	1955 Aug 18 07:05	24°♁11'20	2.67465 AU
	1950 Nov 06 06:40	0°♁			1955 Aug 27 10:13	0°♁	
	1950 Dec 15 08:59	0°♁		morning rise	1955 Sep 30 20:17	21°♁55'40	
	1951 Jan 22 13:05	0°♁			1955 Oct 13 11:20	0°♁	
	1951 Mar 01 22:03	0°♁			1955 Nov 29 01:33	0°♁	
evening set	1951 Mar 21 08:09	14°♁53'58			1956 Jan 14 02:28	0°♁	
	1951 Apr 10 09:37	0°♁		desc. node	1956 Feb 21 06:42	25°♁02'35	
asc. node	1951 May 01 15:27	15°♁37'53			1956 Feb 28 20:05	0°♁	
	1951 May 21 15:32	0°♁			1956 Apr 14 23:40	0°♁	
					1956 Jun 03 07:51	0°♁	
conjunction	1951 May 22 13:22	0°♁38'42	0°13'12	retrograde	1956 Aug 10 16:18	23°♁39'23	
minimum elong	1951 May 22 12:31	0°♁37'12	0°13'12	min. Earth dist.	1956 Sep 07 04:48	19°♁10'18	0.37809 AU
behind sun begin	1951 May 21 22:41	0°♁12'41		greatest brilliancy	1956 Sep 10 02:54	18°♁21'53	-2.9m
behind sun end	1951 May 23 02:21	1°♁01'42		opposition	1956 Sep 10 21:58	18°♁08'42	-5°-55'-19
max. Earth dist.	1951 Jun 27 11:35	25°♁35'24	2.53983 AU	direct	1956 Oct 10 10:06	13°♁09'05	
	1951 Jul 03 23:42	0°♁			1956 Dec 06 11:24	0°♁	
morning rise	1951 Jul 17 07:03	8°♁55'26		asc. node	1956 Dec 21 12:01	7°♁49'58	
	1951 Aug 18 10:55	0°♁			1957 Jan 28 14:19	0°♁	
	1951 Oct 05 00:20	0°♁			1957 Mar 17 21:34	0°♁	
	1951 Nov 24 06:11	0°♁			1957 May 04 15:22	0°♁	
	1952 Jan 20 01:33	0°♁			1957 Jun 21 12:18	0°♁	
retrograde	1952 Mar 25 11:07	18°♁28'30		evening set	1957 Aug 07 03:16	29°♁18'37	
opposition	1952 May 01 01:31	10°♁37'24	0°46'08		1957 Aug 08 05:27	0°♁	
greatest brilliancy	1952 May 01 09:58	10°♁29'38	-1.8m	max. Earth dist.	1957 Sep 09 11:53	20°♁32'19	2.66074 AU
min. Earth dist.	1952 May 08 13:26	7°♁52'06	0.55825 AU				
desc. node	1952 May 18 07:20	4°♁38'28		conjunction	1957 Sep 21 14:29	28°♁19'46	0°53'36
direct	1952 Jun 10 02:45	1°♁09'55		minimum elong	1957 Sep 21 15:34	28°♁21'32	0°53'36
	1952 Aug 27 18:53	0°♁			1957 Sep 24 04:31	0°♁	
	1952 Oct 12 04:45	0°♁		morning rise	1957 Nov 05 06:39	27°♁36'03	
	1952 Nov 21 19:40	0°♁			1957 Nov 08 21:04	0°♁	
	1952 Dec 30 21:35	0°♁			1957 Dec 23 01:29	0°♁	
	1953 Feb 08 01:07	0°♁		desc. node	1958 Jan 08 04:55	11°♁13'11	
asc. node	1953 Mar 18 15:01	28°♁47'01			1958 Feb 03 18:57	0°♁	
	1953 Mar 20 06:54	0°♁			1958 Mar 17 07:11	0°♁	
	1953 May 01 06:08	0°♁			1958 Apr 27 02:31	0°♁	
evening set	1953 May 17 11:16	11°♁13'59			1958 Jun 07 06:21	0°♁	
	1953 Jun 14 03:49	0°♁			1958 Jul 21 07:03	0°♁	
					1958 Sep 21 05:26	0°♁	
conjunction	1953 Jul 08 21:00	16°♁22'03	0°57'10	retrograde	1958 Oct 10 09:46	2°♁32'08	
minimum elong	1953 Jul 08 19:38	16°♁19'49	0°57'10		1958 Oct 29 00:01	30°♁	
max. Earth dist.	1953 Jul 25 06:45	27°♁04'04	2.63373 AU	min. Earth dist.	1958 Nov 08 13:10	26°♁40'34	0.48770 AU
	1953 Jul 29 19:25	0°♁		asc. node	1958 Nov 08 12:04	26°♁41'33	
morning rise	1953 Aug 25 20:40	17°♁22'10		greatest brilliancy	1958 Nov 16 09:01	23°♁49'13	-2.2m
	1953 Sep 14 17:59	0°♁		opposition	1958 Nov 16 14:32	23°♁44'11	0°26'09
	1953 Nov 01 14:19	0°♁		direct	1958 Dec 20 06:45	16°♁34'40	
	1953 Dec 20 11:22	0°♁			1959 Feb 10 13:57	0°♁	
	1954 Feb 09 19:18	0°♁			1959 Apr 10 09:46	0°♁	
desc. node	1954 Apr 05 07:25	27°♁07'40			1959 Jun 01 02:26	0°♁	
	1954 Apr 12 16:28	0°♁			1959 Jul 20 11:03	0°♁	
retrograde	1954 May 23 12:47	8°♁31'55			1959 Sep 05 22:46	0°♁	
opposition	1954 Jun 24 17:21	2°♁38'28	-4°-15'-47	evening set	1959 Sep 13 08:38	4°♁47'55	
greatest brilliancy	1954 Jun 26 07:12	2°♁09'05	-2.5m	max. Earth dist.	1959 Oct 04 22:08	18°♁57'38	2.59396 AU
min. Earth dist.	1954 Jul 02 07:55	0°♁17'30	0.42780 AU		1959 Oct 21 09:40	0°♁	
	1954 Jul 03 07:23	30°♁					
direct	1954 Jul 29 15:20	25°♁35'22		conjunction	1959 Oct 30 01:46	5°♁53'14	0°15'47
	1954 Aug 24 13:22	0°♁		minimum elong	1959 Oct 30 02:21	5°♁54'14	0°15'46
	1954 Oct 21 12:03	0°♁		behind sun begin	1959 Oct 29 22:04	5°♁46'55	
	1954 Dec 04 07:41	0°♁		behind sun end	1959 Oct 30 06:38	6°♁01'32	
	1955 Jan 15 04:33	0°♁		desc. node	1959 Nov 26 04:01	24°♁38'41	
asc. node	1955 Feb 03 13:03	13°♁49'56			1959 Dec 03 18:09	0°♁	
	1955 Feb 26 10:22	0°♁		morning rise	1959 Dec 17 12:21	9°♁49'00	
	1955 Apr 10 23:09	0°♁			1960 Jan 14 04:59	0°♁	
	1955 May 26 00:50	0°♁			1960 Feb 23 04:11	0°♁	
evening set	1955 Jun 30 21:28	23°♁15'46			1960 Apr 02 06:24	0°♁	
	1955 Jul 11 09:22	0°♁			1960 May 11 07:19	0°♁	

	1960 Jun 20 09:05	0°♄			1965 Nov 14 07:19	0°♄		
	1960 Aug 02 04:32	0°♁			1965 Dec 23 05:36	0°♁		
asc. node	1960 Sep 21 04:06	0°♁		greatest brilliancy	1966 Jan 06 15:23	11°♁19'26	1.2m	
	1960 Sep 25 11:03	2°♁10'17			1966 Jan 30 07:01	0°♁		
retrograde	1960 Nov 20 17:04	18°♁39'14		evening set	1966 Feb 21 22:39	17°♁49'58		
min. Earth dist.	1960 Dec 25 05:40	10°♁48'15	0.60681 AU		1966 Mar 09 12:55	0°♁		
greatest brilliancy	1960 Dec 29 10:57	9°♁07'48	-1.6m		1966 Apr 17 20:35	0°♄		
opposition	1960 Dec 30 10:21	8°♁44'34	3°40'29					
	1961 Feb 05 00:22	30°♁		conjunction	1966 Apr 29 05:29	8°♄27'13	0°-12'-19	
direct	1961 Feb 06 02:51	29°♁59'32		minimum elong	1966 Apr 29 06:27	8°♄29'01	0°12'20	
	1961 Feb 07 05:26	0°♁		behind sun begin	1966 Apr 28 13:15	7°♄57'15		
	1961 May 06 01:13	0°♁		behind sun end	1966 Apr 29 23:40	9°♄00'45		
	1961 Jun 28 23:47	0°♁		asc. node	1966 May 18 07:57	22°♄24'09		
	1961 Aug 17 00:41	0°♁			1966 May 28 22:07	0°♁		
desc. node	1961 Oct 01 20:02	0°♁		max. Earth dist.	1966 Jun 12 16:23	10°♁25'26	2.49033 AU	
	1961 Oct 13 02:58	7°♁41'36		morning rise	1966 Jun 28 16:13	21°♁30'38		
evening set	1961 Oct 23 14:15	14°♁56'08			1966 Jul 11 03:15	0°♁		
max. Earth dist.	1961 Nov 07 04:13	25°♁11'38	2.48096 AU		1966 Aug 25 15:52	0°♁		
	1961 Nov 13 21:50	0°♁			1966 Oct 12 18:37	0°♁		
					1966 Dec 04 00:55	0°♁		
conjunction	1961 Dec 14 18:29	22°♁32'35	0°-36'-29		1967 Feb 12 12:20	0°♁		
minimum elong	1961 Dec 14 16:45	22°♁29'22	0°36'29	retrograde	1967 Mar 08 17:44	3°♁11'42		
	1961 Dec 24 17:50	0°♁			1967 Mar 31 06:10	30°♁		
	1962 Feb 01 23:06	0°♁		opposition	1967 Apr 15 11:30	24°♁48'38	2°02'20	
morning rise	1962 Feb 11 21:55	7°♁44'35		greatest brilliancy	1967 Apr 16 04:00	24°♁32'58	-1.6m	
	1962 Mar 12 07:58	0°♁		min. Earth dist.	1967 Apr 21 17:33	22°♁26'26	0.60121 AU	
	1962 Apr 19 16:58	0°♁		direct	1967 May 26 09:29	14°♁59'05		
	1962 May 28 23:47	0°♁		desc. node	1967 Jun 04 23:54	15°♁33'37		
	1962 Jul 09 03:50	0°♁			1967 Jul 19 22:56	0°♁		
asc. node	1962 Aug 13 09:20	24°♁04'26			1967 Sep 10 01:44	0°♁		
	1962 Aug 22 11:37	0°♁			1967 Oct 23 02:14	0°♁		
	1962 Oct 11 23:54	0°♁			1967 Dec 01 20:12	0°♁		
retrograde	1962 Dec 26 06:11	24°♁47'55			1968 Jan 09 09:49	0°♁		
min. Earth dist.	1963 Feb 03 03:18	15°♁29'42	0.67044 AU		1968 Feb 17 03:18	0°♁		
opposition	1963 Feb 04 11:57	14°♁57'01	4°33'24		1968 Mar 27 23:43	0°♁		
greatest brilliancy	1963 Feb 04 03:58	15°♁05'01	-1.3m	asc. node	1968 Apr 04 05:55	5°♄20'10		
direct	1963 Mar 16 17:21	5°♁20'08		evening set	1968 Apr 26 23:05	21°♄45'15		
	1963 Jun 03 06:30	0°♁			1968 May 08 14:14	0°♁		
	1963 Jul 27 04:14	0°♁			1968 Jun 21 05:03	0°♁		
desc. node	1963 Aug 31 01:15	21°♁53'00						
	1963 Sep 12 09:11	0°♁		conjunction	1968 Jun 21 15:47	0°♁18'03	0°44'14	
	1963 Oct 25 17:31	0°♁		minimum elong	1968 Jun 21 14:08	0°♁15'16	0°44'13	
	1963 Dec 05 09:03	0°♁		max. Earth dist.	1968 Jul 15 03:27	15°♁55'16	2.60321 AU	
evening set	1963 Dec 15 07:33	7°♁34'03			1968 Aug 05 17:07	0°♁		
	1964 Jan 13 06:13	0°♁		morning rise	1968 Aug 11 00:10	3°♁25'12		
					1968 Sep 21 18:39	0°♁		
conjunction	1964 Feb 17 02:57	27°♁28'38	-1°-4'-4		1968 Nov 09 06:10	0°♁		
minimum elong	1964 Feb 17 03:57	27°♁30'35	1°04'05		1968 Dec 29 22:07	0°♁		
max. Earth dist.	1964 Feb 19 14:41	29°♁26'40	2.37046 AU		1969 Feb 25 06:21	0°♁		
	1964 Feb 20 07:33	0°♁		desc. node	1969 Apr 21 22:26	16°♁34'35		
	1964 Mar 29 11:24	0°♁		retrograde	1969 Apr 27 11:24	16°♁45'35		
morning rise	1964 Apr 27 22:42	22°♁41'35		opposition	1969 May 31 15:50	9°♁59'58	-2°-1'-6	
	1964 May 07 14:41	0°♁		greatest brilliancy	1969 Jun 01 14:22	9°♁40'55	-2.2m	
	1964 Jun 17 11:43	0°♁		min. Earth dist.	1969 Jun 09 04:09	7°♁07'28	0.47955 AU	
asc. node	1964 Jun 30 09:12	9°♁08'04		direct	1969 Jul 08 06:07	1°♁41'55		
	1964 Jul 30 18:23	0°♁			1969 Sep 21 06:35	0°♁		
	1964 Sep 15 05:22	0°♁			1969 Nov 04 18:51	0°♁		
	1964 Nov 06 03:20	0°♁			1969 Dec 15 14:22	0°♁		
retrograde	1965 Jan 28 22:38	28°♁02'47			1970 Jan 24 21:29	0°♁		
opposition	1965 Mar 09 12:29	18°♁43'45	4°00'10	asc. node	1970 Feb 20 05:35	19°♁18'27		
greatest brilliancy	1965 Mar 09 23:08	18°♁33'15	-1.3m		1970 Mar 07 01:28	0°♁		
min. Earth dist.	1965 Mar 12 01:08	17°♁43'57	0.66848 AU		1970 Apr 18 18:59	0°♁		
direct	1965 Apr 19 21:56	8°♁43'12			1970 Jun 02 06:50	0°♁		
	1965 Jun 29 01:12	0°♁		evening set	1970 Jun 14 17:37	8°♁12'19		
desc. node	1965 Jul 18 00:26	10°♁02'16			1970 Jul 18 06:43	0°♁		
	1965 Aug 20 12:16	0°♁						
	1965 Oct 04 06:46	0°♁		conjunction	1970 Aug 02 12:01	9°♁46'31	1°07'46	

minimum elong	1970 Aug 02 11:33	9°♍45'47	1°07'46			1975 Oct 17 08:44	0°♄		
max. Earth dist.	1970 Aug 09 04:50	14°♍03'48	2.66511 AU	retrograde		1975 Nov 06 12:01	2°♄39'53		
	1970 Sep 03 04:57	0°♍				1975 Nov 25 18:30	30°♈		
morning rise	1970 Sep 17 02:08	8°♍49'14			min. Earth dist.	1975 Dec 09 00:03	25°♈32'02	0.56548 AU	
	1970 Oct 20 10:57	0°♄			greatest brilliancy	1975 Dec 14 14:09	23°♈21'25	-1.8m	
	1970 Dec 06 16:34	0°♌			opposition	1975 Dec 15 13:58	22°♈58'12	2°47'32	
	1971 Jan 23 01:34	0°♌			direct	1976 Jan 20 21:27	14°♈43'52		
desc. node	1971 Mar 09 21:40	28°♌28'06				1976 Mar 18 13:15	0°♄		
	1971 Mar 12 10:11	0°♄				1976 May 16 11:10	0°♌		
	1971 May 03 20:57	0°♌				1976 Jul 06 23:27	0°♍		
retrograde	1971 Jul 11 06:30	21°♌57'26				1976 Aug 24 05:55	0°♄		
opposition	1971 Aug 10 06:53	17°♌00'18	-6°-50'-15	evening set		1976 Oct 06 16:26	28°♌32'15		
greatest brilliancy	1971 Aug 10 21:39	16°♌50'31	-2.9m			1976 Oct 08 20:23	0°♌		
min. Earth dist.	1971 Aug 12 02:26	16°♌31'26	0.37570 AU	max. Earth dist.		1976 Oct 23 00:37	9°♌40'42	2.52957 AU	
direct	1971 Sep 09 13:51	11°♌53'25		desc. node		1976 Oct 29 18:37	14°♌20'57		
	1971 Nov 06 12:31	0°♋				1976 Nov 20 23:53	0°♌		
	1971 Dec 26 18:04	0°♋							
asc. node	1972 Jan 08 05:13	8°♋03'45		conjunction		1976 Nov 25 01:20	2°♌54'24	0°-15'-44	
	1972 Feb 10 14:04	0°♋		minimum elong		1976 Nov 25 00:36	2°♌53'07	0°15'45	
	1972 Mar 27 04:30	0°♈		behind sun begin		1976 Nov 24 19:16	2°♌43'32		
	1972 May 12 13:14	0°♄		behind sun end		1976 Nov 25 05:57	3°♌02'41		
	1972 Jun 28 16:09	0°♌				1977 Jan 01 00:42	0°♄		
evening set	1972 Jul 23 15:28	15°♌48'27		morning rise		1977 Jan 17 22:07	12°♌43'24		
	1972 Aug 15 00:59	0°♍				1977 Feb 09 11:57	0°♌		
max. Earth dist.	1972 Aug 31 13:28	10°♍30'21	2.67262 AU			1977 Mar 20 02:19	0°♋		
						1977 Apr 27 15:46	0°♋		
conjunction	1972 Sep 07 10:57	14°♍54'24	1°02'22			1977 Jun 06 03:00	0°♋		
minimum elong	1972 Sep 07 11:47	14°♍55'44	1°02'22			1977 Jul 17 15:13	0°♈		
	1972 Sep 30 23:23	0°♄		asc. node		1977 Aug 30 02:21	28°♈48'36		
morning rise	1972 Oct 21 18:44	13°♄29'24				1977 Sep 01 00:20	0°♄		
	1972 Nov 15 22:17	0°♌				1977 Oct 26 18:56	0°♌		
	1972 Dec 30 16:12	0°♌		retrograde		1977 Dec 12 19:12	11°♌33'40		
desc. node	1973 Jan 24 20:41	17°♌15'01		min. Earth dist.		1978 Jan 19 03:01	2°♌46'10	0.65319 AU	
	1973 Feb 12 05:51	0°♄		greatest brilliancy		1978 Jan 21 08:52	1°♌52'16	-1.3m	
	1973 Mar 26 20:59	0°♌		opposition		1978 Jan 22 00:11	1°♌36'56	4°24'44	
	1973 May 08 04:09	0°♋				1978 Jan 26 01:59	30°♄		
	1973 Jun 20 20:54	0°♋		direct		1978 Mar 02 09:56	22°♄16'34		
	1973 Aug 12 14:56	0°♋				1978 Apr 10 18:50	0°♌		
retrograde	1973 Sep 19 23:19	9°♋16'18				1978 Jun 14 02:38	0°♍		
min. Earth dist.	1973 Oct 17 04:05	4°♋14'30	0.43603 AU	desc. node		1978 Aug 04 09:07	0°♄		
greatest brilliancy	1973 Oct 24 09:15	1°♋49'51	-2.5m			1978 Sep 16 17:56	27°♄54'28		
opposition	1973 Oct 25 03:27	1°♋34'33	-1°-50'-18			1978 Sep 19 20:57	0°♌		
	1973 Oct 29 22:56	30°♋				1978 Nov 02 01:20	0°♌		
asc. node	1973 Nov 25 03:55	25°♋18'33		evening set		1978 Nov 22 17:54	15°♋03'44		
direct	1973 Nov 26 00:06	25°♋18'16				1978 Dec 12 17:39	0°♄		
	1973 Dec 24 08:09	0°♋		max. Earth dist.		1978 Dec 13 14:19	0°♄39'04	2.40191 AU	
	1974 Feb 27 10:11	0°♈							
	1974 Apr 20 08:18	0°♄		conjunction		1979 Jan 20 12:18	29°♄50'34	-1°-1'-29	
	1974 Jun 09 00:54	0°♌		minimum elong		1979 Jan 20 10:41	29°♄47'26	1°01'30	
	1974 Jul 27 14:04	0°♍				1979 Jan 20 17:07	0°♌		
evening set	1974 Aug 29 16:43	20°♍56'07				1979 Feb 27 20:25	0°♋		
	1974 Sep 12 19:08	0°♄		morning rise		1979 Mar 29 22:28	23°♋40'04		
max. Earth dist.	1974 Sep 24 11:56	7°♄36'05	2.62622 AU			1979 Apr 07 01:08	0°♋		
						1979 May 16 04:25	0°♈		
conjunction	1974 Oct 14 12:56	20°♄47'58	0°32'50			1979 Jun 26 01:55	0°♈		
minimum elong	1974 Oct 14 13:57	20°♄49'38	0°32'50	asc. node		1979 Jul 18 00:29	15°♈23'58		
	1974 Oct 28 07:05	0°♌				1979 Aug 08 13:28	0°♄		
morning rise	1974 Nov 29 22:20	22°♌19'16				1979 Sep 24 21:21	0°♌		
	1974 Dec 10 22:05	0°♌				1979 Nov 19 21:36	0°♍		
desc. node	1974 Dec 12 19:20	1°♌19'32		retrograde		1980 Jan 16 06:18	15°♍20'48		
	1975 Jan 21 18:49	0°♄		opposition		1980 Feb 25 05:43	5°♍46'43	4°22'05	
	1975 Mar 03 05:32	0°♌		greatest brilliancy		1980 Feb 25 09:35	5°♍42'52	-1.2m	
	1975 Apr 11 19:15	0°♋		min. Earth dist.		1980 Feb 26 06:00	5°♍22'36	0.67731 AU	
	1975 May 21 08:14	0°♋				1980 Mar 11 20:46	30°♌		
	1975 Jul 01 03:53	0°♋		direct		1980 Apr 06 08:27	25°♌52'14		
	1975 Aug 14 20:47	0°♈				1980 May 04 02:27	0°♍		
asc. node	1975 Oct 13 02:44	28°♈50'45				1980 Jul 10 17:59	0°♄		

desc. node	1980 Aug 03 16:21	13°♁56'22		morning rise	1985 Sep 03 02:09	25°♁34'18	
	1980 Aug 29 05:50	0°♁			1985 Sep 10 01:31	0°♁	
	1980 Oct 12 06:27	0°♁			1985 Oct 27 15:16	0°♁	
	1980 Nov 22 01:42	0°♁			1985 Dec 14 18:59	0°♁	
	1980 Dec 30 22:30	0°♁			1986 Feb 02 06:27	0°♁	
evening set	1981 Jan 24 09:12	19°♁16'00		desc. node	1986 Mar 26 12:57	29°♁10'38	
	1981 Feb 06 22:48	0°♁			1986 Mar 28 03:47	0°♁	
	1981 Mar 17 02:40	0°♁		retrograde	1986 Jun 08 23:25	23°♁06'43	
conjunction	1981 Apr 02 14:13	12°♁44'49	0°-38'-43	opposition	1986 Jul 10 05:28	17°♁40'50	-5°-30'-32
minimum elong	1981 Apr 02 17:14	12°♁50'35	0°38'42	greatest brilliancy	1986 Jul 11 18:57	17°♁13'29	-2.7m
	1981 Apr 25 07:17	0°♁		min. Earth dist.	1986 Jul 16 10:53	15°♁52'33	0.40357 AU
max. Earth dist.	1981 May 23 23:20	21°♁10'18	2.43616 AU	direct	1986 Aug 12 07:46	11°♁25'00	
asc. node	1981 Jun 03 23:47	29°♁06'57			1986 Oct 09 01:01	0°♁	
	1981 Jun 05 05:26	0°♁			1986 Nov 26 02:35	0°♁	
morning rise	1981 Jun 07 10:19	1°♁34'22		asc. node	1987 Jan 08 12:20	0°♁	
	1981 Jul 18 08:54	0°♁			1987 Jan 24 20:38	11°♁25'09	
	1981 Sep 02 01:52	0°♁			1987 Feb 20 14:44	0°♁	
	1981 Oct 21 01:56	0°♁			1987 Apr 05 16:37	0°♁	
	1981 Dec 16 00:14	0°♁			1987 May 21 03:01	0°♁	
retrograde	1982 Feb 20 19:13	19°♁10'48			1987 Jul 06 16:46	0°♁	
opposition	1982 Mar 31 10:13	10°♁22'19	2°59'31	evening set	1987 Jul 09 17:22	1°♁55'52	
greatest brilliancy	1982 Apr 01 03:22	10°♁05'43	-1.4m		1987 Aug 22 19:51	0°♁	
min. Earth dist.	1982 Apr 05 06:30	8°♁29'56	0.63512 AU	max. Earth dist.	1987 Aug 23 12:36	0°♁26'37	2.67622 AU
direct	1982 May 11 18:35	0°♁22'47		conjunction	1987 Aug 25 07:32	1°♁34'56	1°07'32
desc. node	1982 Jun 21 14:53	9°♁07'22		minimum elong	1987 Aug 25 07:58	1°♁35'37	1°07'32
	1982 Aug 03 11:45	0°♁		morning rise	1987 Oct 08 18:43	29°♁58'49	
	1982 Sep 20 01:20	0°♁			1987 Oct 08 19:27	0°♁	
	1982 Oct 31 23:05	0°♁			1987 Nov 24 03:19	0°♁	
	1982 Dec 10 06:17	0°♁			1988 Jan 08 15:24	0°♁	
	1983 Jan 17 13:10	0°♁		desc. node	1988 Feb 11 11:59	22°♁38'42	
	1983 Feb 25 00:19	0°♁			1988 Feb 22 10:15	0°♁	
evening set	1983 Apr 04 16:29	29°♁19'54			1988 Apr 06 21:44	0°♁	
	1983 Apr 05 14:03	0°♁			1988 May 22 07:42	0°♁	
asc. node	1983 Apr 21 23:34	12°♁04'37			1988 Jul 13 20:00	0°♁	
	1983 May 16 21:43	0°♁		retrograde	1988 Aug 26 14:40	11°♁27'50	
conjunction	1983 Jun 03 11:21	12°♁19'25	0°25'58	min. Earth dist.	1988 Sep 22 03:13	6°♁59'37	0.39314 AU
minimum elong	1983 Jun 03 09:56	12°♁16'59	0°25'57	greatest brilliancy	1988 Sep 27 00:31	5°♁33'33	-2.8m
	1983 Jun 29 06:54	0°♁		opposition	1988 Sep 28 03:31	5°♁13'38	-4°-33'-34
max. Earth dist.	1983 Jul 04 18:44	3°♁41'56	2.56424 AU	direct	1988 Oct 23 22:01	30°♁	
morning rise	1983 Jul 27 01:04	18°♁29'10			1988 Oct 28 05:07	29°♁52'41	
	1983 Aug 13 16:54	0°♁		asc. node	1988 Nov 01 12:57	0°♁	
	1983 Sep 30 00:12	0°♁			1988 Dec 11 20:35	10°♁43'58	
	1983 Nov 18 10:26	0°♁			1989 Jan 19 08:11	0°♁	
	1984 Jan 11 03:20	0°♁			1989 Mar 11 08:51	0°♁	
retrograde	1984 Apr 05 12:22	28°♁20'50			1989 Apr 29 04:37	0°♁	
desc. node	1984 May 08 14:02	21°♁50'02			1989 Jun 16 14:10	0°♁	
opposition	1984 May 11 08:52	20°♁50'37	0°-7'-49	evening set	1989 Aug 03 13:35	0°♁	
greatest brilliancy	1984 May 11 10:22	20°♁49'17	-1.9m	max. Earth dist.	1989 Aug 15 07:48	7°♁25'47	
min. Earth dist.	1984 May 19 10:38	17°♁56'54	0.53147 AU		1989 Sep 14 21:00	26°♁56'39	2.65069 AU
direct	1984 Jun 19 18:16	11°♁41'56			1989 Sep 19 14:38	0°♁	
	1984 Aug 17 19:50	0°♁		conjunction	1989 Sep 29 19:00	6°♁36'28	0°46'55
	1984 Oct 05 06:02	0°♁		minimum elong	1989 Sep 29 20:08	6°♁38'19	0°46'55
	1984 Nov 15 18:09	0°♁			1989 Nov 04 05:29	0°♁	
	1984 Dec 25 06:38	0°♁		morning rise	1989 Nov 13 21:44	6°♁30'15	
	1985 Feb 02 17:19	0°♁			1989 Dec 18 04:57	0°♁	
asc. node	1985 Mar 08 22:07	25°♁24'43		desc. node	1989 Dec 29 11:31	7°♁52'38	
	1985 Mar 15 05:06	0°♁			1990 Jan 29 14:10	0°♁	
	1985 Apr 26 09:13	0°♁			1990 Mar 11 15:54	0°♁	
evening set	1985 May 28 04:34	21°♁46'52			1990 Apr 20 22:09	0°♁	
	1985 Jun 09 10:40	0°♁			1990 May 31 07:11	0°♁	
					1990 Jul 12 14:44	0°♁	
conjunction	1985 Jul 18 02:41	25°♁25'41	1°02'24		1990 Aug 31 11:40	0°♁	
minimum elong	1985 Jul 18 01:38	25°♁23'58	1°02'23	retrograde	1990 Oct 20 19:30	14°♁33'47	
	1985 Jul 25 04:04	0°♁		asc. node	1990 Oct 29 18:44	13°♁58'09	
max. Earth dist.	1985 Jul 30 22:10	3°♁42'50	2.64713 AU	min. Earth dist.	1990 Nov 20 03:53	8°♁14'10	0.51691 AU

greatest brilliancy	1990 Nov 27 04:26	5°II35'42	-2.0m		1995 Nov 30 13:57	0°☾	
opposition	1990 Nov 27 20:33	5°II20'31	1°27'35	evening set	1995 Dec 29 08:46	22°☾07'04	
	1990 Dec 14 07:46	30°♄			1996 Jan 08 11:02	0°≈	
direct	1991 Jan 01 12:49	27°♄45'11			1996 Feb 15 11:50	0°♁	
	1991 Jan 21 01:15	0°II					
	1991 Apr 03 00:49	0°☾		conjunction	1996 Mar 04 14:02	14°♁17'06	0°-58'-41
	1991 May 26 12:19	0°♁		minimum elong	1996 Mar 04 16:36	14°♁22'11	0°58'41
	1991 Jul 15 12:36	0°♃			1996 Mar 24 15:12	0°♃	
	1991 Sep 01 06:38	0°♁		max. Earth dist.	1996 Apr 17 18:31	18°♃38'04	2.38534 AU
evening set	1991 Sep 21 22:44	13°♁26'24			1996 May 02 18:16	0°♄	
max. Earth dist.	1991 Oct 11 09:52	26°♁22'20	2.57315 AU	morning rise	1996 May 13 14:54	8°♄07'11	
	1991 Oct 16 19:05	0°♃			1996 Jun 12 14:42	0°II	
				asc. node	1996 Jun 20 16:40	5°II45'15	
conjunction	1991 Nov 08 09:16	15°♃27'57	0°04'48		1996 Jul 25 18:32	0°☾	
minimum elong	1991 Nov 08 09:27	15°♃28'17	0°04'48		1996 Sep 09 20:02	0°♁	
behind sun begin	1991 Nov 07 13:46	14°♃54'10			1996 Oct 30 07:13	0°♃	
behind sun end	1991 Nov 09 05:09	16°♃02'26			1997 Jan 03 08:10	0°♁	
desc. node	1991 Nov 16 10:37	21°♃04'46		retrograde	1997 Feb 06 00:37	5°♁55'22	
	1991 Nov 29 02:19	0°♁			1997 Mar 08 19:49	30°♃	
morning rise	1991 Dec 28 09:31	21°♁08'37		opposition	1997 Mar 17 07:55	26°♃46'09	3°41'30
	1992 Jan 09 09:47	0°☾		greatest brilliancy	1997 Mar 17 21:34	26°♃32'45	-1.3m
	1992 Feb 18 04:38	0°≈		min. Earth dist.	1997 Mar 20 16:45	25°♃26'58	0.65939 AU
	1992 Mar 28 02:04	0°♁		direct	1997 Apr 27 19:09	16°♃44'18	
	1992 May 05 21:36	0°♃			1997 Jun 19 08:30	0°♁	
	1992 Jun 14 15:56	0°♄		desc. node	1997 Jul 08 06:33	8°♁59'01	
	1992 Jul 26 18:59	0°II			1997 Aug 14 08:42	0°♃	
	1992 Sep 12 06:05	0°☾			1997 Sep 28 22:22	0°♁	
asc. node	1992 Sep 15 17:17	1°☾57'37			1997 Nov 09 05:33	0°☾	
retrograde	1992 Nov 28 23:31	27°☾37'21			1997 Dec 18 06:37	0°≈	
min. Earth dist.	1993 Jan 03 13:27	19°☾24'47	0.62609 AU		1998 Jan 25 09:26	0°♁	
greatest brilliancy	1993 Jan 07 01:25	18°☾01'07	-1.5m		1998 Mar 04 16:18	0°♃	
opposition	1993 Jan 07 22:42	17°☾39'53	4°01'55	evening set	1998 Mar 09 15:25	3°♃50'29	
direct	1993 Feb 15 07:43	8°☾40'31			1998 Apr 13 01:05	0°♄	
	1993 Apr 27 23:40	0°♁		asc. node	1998 May 08 14:53	18°♄50'08	
	1993 Jun 23 07:42	0°♃					
	1993 Aug 12 01:10	0°♁		conjunction	1998 May 12 19:47	21°♄52'37	0°02'44
	1993 Sep 27 02:15	0°♃		minimum elong	1998 May 12 19:35	21°♄52'15	0°02'44
desc. node	1993 Oct 03 09:00	4°♃15'13		behind sun begin	1998 May 11 18:19	21°♄06'40	
evening set	1993 Nov 02 22:02	25°♃29'49		behind sun end	1998 May 13 20:50	22°♄37'47	
	1993 Nov 09 05:29	0°♁			1998 May 24 03:42	0°II	
max. Earth dist.	1993 Nov 17 14:55	6°♁02'58	2.45265 AU	max. Earth dist.	1998 Jun 21 12:40	19°II51'54	2.51843 AU
	1993 Dec 20 00:34	0°☾			1998 Jul 06 09:00	0°☾	
				morning rise	1998 Jul 09 13:12	2°☾08'40	
conjunction	1993 Dec 27 02:28	5°☾20'56	0°-47'-22		1998 Aug 20 19:16	0°♁	
minimum elong	1993 Dec 27 00:22	5°☾16'57	0°47'22		1998 Oct 07 12:28	0°♃	
	1994 Jan 28 04:05	0°≈			1998 Nov 27 10:10	0°♁	
morning rise	1994 Feb 27 16:06	23°≈52'32			1999 Jan 26 11:59	0°♃	
greatest brilliancy	1994 Mar 06 06:43	29°≈04'20	1.2m	retrograde	1999 Mar 18 13:41	12°♃12'11	
	1994 Mar 07 11:01	0°♁		opposition	1999 Apr 24 17:37	4°♃05'57	1°20'35
	1994 Apr 14 18:02	0°♃		greatest brilliancy	1999 Apr 25 06:33	3°♃53'52	-1.7m
	1994 May 23 22:37	0°♄		min. Earth dist.	1999 May 01 17:22	1°♃29'32	0.57847 AU
	1994 Jul 03 22:30	0°II			1999 May 05 21:32	30°♁	
asc. node	1994 Aug 03 17:36	21°II19'15		desc. node	1999 May 26 05:10	24°♁59'35	
	1994 Aug 16 19:15	0°☾		direct	1999 Jun 04 06:10	24°♁26'52	
	1994 Oct 04 15:48	0°♁			1999 Jul 05 03:59	0°♃	
	1994 Dec 12 11:32	0°♃			1999 Sep 02 19:29	0°♁	
retrograde	1995 Jan 02 21:27	2°♃40'08			1999 Oct 17 01:35	0°☾	
	1995 Jan 22 23:48	30°♁			1999 Nov 26 06:56	0°≈	
min. Earth dist.	1995 Feb 11 14:15	23°♁06'32	0.67569 AU		2000 Jan 04 03:01	0°♁	
opposition	1995 Feb 12 02:31	22°♁54'16	4°32'40		2000 Feb 12 01:04	0°♃	
greatest brilliancy	1995 Feb 11 22:50	22°♁57'58	-1.2m		2000 Mar 23 01:25	0°♄	
direct	1995 Mar 24 17:18	13°♁09'55		asc. node	2000 Mar 25 14:32	1°♄52'10	
	1995 May 25 16:09	0°♃			2000 May 03 19:18	0°II	
	1995 Jul 21 09:21	0°♁		evening set	2000 May 08 21:10	3°II33'22	
desc. node	1995 Aug 21 07:30	18°♁58'52			2000 Jun 16 12:30	0°☾	
	1995 Sep 07 07:00	0°♃					
	1995 Oct 20 21:02	0°♁		conjunction	2000 Jul 01 15:50	10°☾05'47	0°52'19

minimum elong	2000 Jul 01 14:18	10° Ω 03'15	0°52'19
max. Earth dist.	2000 Jul 21 05:13	22° Ω 57'12	2.62108 AU
	2000 Aug 01 01:21	0° Ω	
morning rise	2000 Aug 19 14:47	11° Ω 57'02	