

superior conj	1899 Sep 16 08:52	23° $\mathring{M}$ 15'16	1°24'15	direct	1902 Mar 07 12:46	17° $\approx$ 31'26	
minimum elong	1899 Sep 16 11:11	23° $\mathring{M}$ 22'29	1°24'14	greatest brilliancy	1902 Mar 18 06:29	19° $\approx$ 39'13	-4.6m
	1899 Sep 21 18:53	0° $\underline{A}$			1902 Apr 04 19:31	0° $\mathring{H}$	
	1899 Oct 15 19:47	0° $\mathring{M}$		desc. node	1902 Apr 24 14:37	17° $\mathring{H}$ 17'19	
evening rise	1899 Oct 24 13:15	10° $\mathring{M}$ 54'21		morning max el	1902 Apr 26 00:16	18° $\mathring{H}$ 38'46	46°11'27
desc. node	1899 Nov 06 19:42	27° $\mathring{M}$ 29'42			1902 May 07 07:05	0° $\mathring{Y}$	
	1899 Nov 08 19:47	0° $\mathring{X}$			1902 Jun 03 23:59	0° $\mathring{B}$	
	1899 Dec 02 19:51	0° $\mathring{Z}$			1902 Jun 30 06:28	0° $\mathring{I}$	
	1899 Dec 26 21:03	0° $\approx$			1902 Jul 25 18:59	0° $\mathring{S}$	
	1900 Jan 20 01:39	0° $\mathring{H}$		asc. node	1902 Aug 15 18:03	25° $\mathring{S}$ 08'13	
	1900 Feb 13 14:08	0° $\mathring{Y}$			1902 Aug 19 18:28	0° $\mathring{Q}$	
asc. node	1900 Feb 27 22:52	17° $\mathring{Y}$ 14'52			1902 Sep 13 07:18	0° $\mathring{M}$	
	1900 Mar 10 18:08	0° $\mathring{B}$			1902 Oct 07 12:06	0° $\underline{A}$	
	1900 Apr 06 04:15	0° $\mathring{I}$		morning set	1902 Oct 20 14:43	16° $\underline{A}$ 22'06	
evening max el	1900 Apr 29 04:22	23° $\mathring{I}$ 53'11	45°35'35		1902 Oct 31 11:51	0° $\mathring{M}$	
	1900 May 05 15:46	0° $\mathring{S}$			1902 Nov 24 09:06	0° $\mathring{X}$	
greatest brilliancy	1900 Jun 02 14:49	20° $\mathring{S}$ 24'48	-4.5m	max. Earth dist.	1902 Nov 28 07:02	4° $\mathring{X}$ 55'20	1.71177 AU
retrograde	1900 Jun 16 22:20	24° $\mathring{S}$ 00'03					
desc. node	1900 Jun 19 12:19	23° $\mathring{S}$ 52'13		superior conj	1902 Nov 29 02:36	5° $\mathring{X}$ 56'51	0°14'48
evening set	1900 Jul 02 07:07	19° $\mathring{S}$ 29'23		minimum elong	1902 Nov 29 06:24	6° $\mathring{X}$ 08'49	0°14'37
inferior conj	1900 Jul 08 11:05	15° $\mathring{S}$ 47'26	-4°-15'-58	behind sun begin	1902 Nov 28 18:44	5° $\mathring{X}$ 32'08	
minimum elong	1900 Jul 08 02:43	16° $\mathring{S}$ 00'31	4°13'51	behind sun end	1902 Nov 29 18:04	6° $\mathring{X}$ 45'30	
min. Earth dist.	1900 Jul 08 09:18	15° $\mathring{S}$ 50'13	0.29001 AU	desc. node	1902 Dec 05 07:33	13° $\mathring{X}$ 45'17	
morning rise	1900 Jul 13 22:10	12° $\mathring{S}$ 28'15			1902 Dec 18 05:32	0° $\mathring{Z}$	
direct	1900 Jul 30 02:30	7° $\mathring{S}$ 29'59		evening rise	1903 Jan 09 11:55	27° $\mathring{Z}$ 59'31	
greatest brilliancy	1900 Aug 13 00:43	10° $\mathring{S}$ 51'57	-4.5m		1903 Jan 11 02:18	0° $\approx$	
	1900 Sep 08 20:55	0° $\mathring{Q}$			1903 Feb 04 00:47	0° $\mathring{H}$	
morning max el	1900 Sep 17 05:56	7° $\mathring{Q}$ 51'07	46°03'23		1903 Feb 28 03:03	0° $\mathring{Y}$	
	1900 Oct 08 13:36	0° $\mathring{M}$			1903 Mar 24 11:53	0° $\mathring{B}$	
asc. node	1900 Oct 10 15:46	2° $\mathring{M}$ 17'42		asc. node	1903 Mar 28 10:55	4° $\mathring{B}$ 49'57	
	1900 Nov 03 21:33	0° $\underline{A}$			1903 Apr 18 06:41	0° $\mathring{I}$	
	1900 Nov 28 21:55	0° $\mathring{M}$			1903 May 13 16:23	0° $\mathring{S}$	
	1900 Dec 23 07:48	0° $\mathring{X}$			1903 Jun 09 03:07	0° $\mathring{Q}$	
	1901 Jan 16 11:29	0° $\mathring{Z}$			1903 Jul 07 20:36	0° $\mathring{M}$	
desc. node	1901 Jan 30 05:07	17° $\mathring{Z}$ 07'03		evening max el	1903 Jul 10 00:30	2° $\mathring{M}$ 04'51	45°30'06
	1901 Feb 09 13:07	0° $\approx$		desc. node	1903 Jul 18 00:09	9° $\mathring{M}$ 26'44	
	1901 Mar 05 14:51	0° $\mathring{H}$		greatest brilliancy	1903 Aug 16 01:37	29° $\mathring{M}$ 19'40	-4.5m
morning set	1901 Mar 23 15:57	22° $\mathring{H}$ 26'34			1903 Aug 17 21:51	0° $\underline{A}$	
	1901 Mar 29 18:03	0° $\mathring{Y}$		retrograde	1903 Aug 27 17:36	1° $\underline{A}$ 44'05	
	1901 Apr 22 23:34	0° $\mathring{B}$			1903 Sep 06 02:28	30° $\mathring{M}$	
				evening set	1903 Sep 14 17:59	25° $\mathring{M}$ 41'29	
superior conj	1901 May 01 02:02	10° $\mathring{B}$ 00'13	0°-49'-47	inferior conj	1903 Sep 17 21:12	23° $\mathring{M}$ 46'59	-8°-40'-42
minimum elong	1901 May 01 11:13	10° $\mathring{B}$ 28'32	0°49'25	minimum elong	1903 Sep 17 23:42	23° $\mathring{M}$ 43'07	8°40'38
max. Earth dist.	1901 May 03 13:18	13° $\mathring{B}$ 02'55	1.73110 AU	min. Earth dist.	1903 Sep 18 14:30	23° $\mathring{M}$ 20'18	0.28233 AU
	1901 May 17 07:34	0° $\mathring{I}$		morning rise	1903 Sep 21 05:13	21° $\mathring{M}$ 44'58	
asc. node	1901 May 23 08:41	7° $\mathring{I}$ 26'21		direct	1903 Oct 09 04:36	15° $\mathring{M}$ 39'28	
evening rise	1901 Jun 07 08:41	25° $\mathring{I}$ 51'43		greatest brilliancy	1903 Oct 23 15:47	19° $\mathring{M}$ 25'53	-4.6m
	1901 Jun 10 17:37	0° $\mathring{S}$		asc. node	1903 Nov 08 03:33	29° $\mathring{M}$ 37'33	
	1901 Jul 05 05:22	0° $\mathring{Q}$			1903 Nov 08 14:44	0° $\underline{A}$	
	1901 Jul 29 19:13	0° $\mathring{M}$		morning max el	1903 Nov 28 17:59	18° $\underline{A}$ 36'00	46°46'16
	1901 Aug 23 12:33	0° $\underline{A}$			1903 Dec 09 14:42	0° $\mathring{M}$	
desc. node	1901 Sep 11 21:49	23° $\underline{A}$ 20'03			1904 Jan 05 03:43	0° $\mathring{X}$	
	1901 Sep 17 11:29	0° $\mathring{M}$			1904 Jan 30 09:28	0° $\mathring{Z}$	
	1901 Oct 12 19:15	0° $\mathring{X}$			1904 Feb 24 03:08	0° $\approx$	
	1901 Nov 07 19:25	0° $\mathring{Z}$		desc. node	1904 Feb 27 16:54	4° $\approx$ 21'32	
evening max el	1901 Dec 05 03:22	29° $\mathring{Z}$ 34'09	47°18'52		1904 Mar 19 16:01	0° $\mathring{H}$	
	1901 Dec 05 13:32	0° $\approx$			1904 Apr 13 03:27	0° $\mathring{Y}$	
asc. node	1902 Jan 03 01:18	24° $\approx$ 58'11			1904 May 07 14:52	0° $\mathring{B}$	
	1902 Jan 11 17:47	0° $\mathring{H}$			1904 Jun 01 02:28	0° $\mathring{I}$	
greatest brilliancy	1902 Jan 12 09:53	0° $\mathring{H}$ 18'34	-4.7m	morning set	1904 Jun 01 18:18	0° $\mathring{I}$ 48'32	
retrograde	1902 Jan 25 03:03	3° $\mathring{H}$ 21'28		asc. node	1904 Jun 19 20:27	22° $\mathring{I}$ 59'34	
	1902 Feb 06 22:55	30° $\approx$			1904 Jun 25 13:29	0° $\mathring{S}$	
evening set	1902 Feb 11 05:34	27° $\approx$ 38'05		max. Earth dist.	1904 Jul 06 19:07	13° $\mathring{S}$ 48'08	1.73549 AU
min. Earth dist.	1902 Feb 14 03:15	25° $\approx$ 51'27	0.27319 AU				
inferior conj	1902 Feb 14 22:57	25° $\approx$ 20'45	8°23'12	superior conj	1904 Jul 08 08:13	15° $\mathring{S}$ 42'09	0°42'04
minimum elong	1902 Feb 14 16:24	25° $\approx$ 30'56	8°22'32	minimum elong	1904 Jul 08 00:42	15° $\mathring{S}$ 19'02	0°41'45
morning rise	1902 Feb 18 03:27	23° $\approx$ 23'01			1904 Jul 19 23:01	0° $\mathring{Q}$	

evening rise	1904 Aug 13 03:44	29°Ω50'17		greatest brilliancy	1907 Jan 02 03:54	2°♂20'36	-4.7m
	1904 Aug 13 06:53	0°♍			1907 Feb 06 16:28	0°♂	
	1904 Sep 06 13:50	0°♌		morning max el	1907 Feb 09 04:25	2°♂29'55	46°52'59
	1904 Sep 30 21:04	0°♍			1907 Mar 06 20:44	0°≈	
desc. node	1904 Oct 09 09:50	10°♍31'10		desc. node	1907 Mar 27 04:59	23°≈11'51	
	1904 Oct 25 05:37	0°♌			1907 Apr 02 01:28	0°♋	
	1904 Nov 18 16:40	0°♌			1907 Apr 27 12:29	0°♍	
	1904 Dec 13 09:08	0°≈			1907 May 22 15:18	0°♌	
	1905 Jan 07 14:38	0°♋			1907 Jun 16 13:14	0°♌	
asc. node	1905 Jan 30 13:00	26°♋01'34			1907 Jul 11 06:42	0°♌	
	1905 Feb 03 04:49	0°♍		asc. node	1907 Jul 18 08:15	8°♌37'03	
evening max el	1905 Feb 14 23:30	12°♍18'17	46°41'12		1907 Aug 04 19:08	0°♌	
	1905 Mar 06 05:26	0°♌		morning set	1907 Aug 09 10:37	5°♌42'56	
greatest brilliancy	1905 Mar 22 18:20	10°♌59'17	-4.6m		1907 Aug 29 02:30	0°♍	
retrograde	1905 Apr 06 03:54	14°♌42'24		max. Earth dist.	1907 Sep 11 13:10	16°♍41'19	1.72478 AU
evening set	1905 Apr 22 11:32	9°♌29'25					
inferior conj	1905 Apr 27 09:50	6°♌27'15	5°27'24	superior conj	1907 Sep 15 01:36	21°♍03'53	1°24'35
minimum elong	1905 Apr 27 19:24	6°♌12'10	5°25'10	minimum elong	1907 Sep 15 03:10	21°♍08'45	1°24'35
min. Earth dist.	1905 Apr 27 09:19	6°♌28'04	0.28573 AU		1907 Sep 22 05:52	0°♌	
morning rise	1905 May 03 03:40	2°♌58'13			1907 Oct 16 06:55	0°♍	
	1905 May 09 10:37	30°♍		evening rise	1907 Oct 23 02:43	8°♍31'30	
direct	1905 May 18 18:04	28°♍16'16		desc. node	1907 Nov 06 21:48	27°♍00'49	
desc. node	1905 May 22 02:21	28°♍29'11			1907 Nov 09 07:08	0°♌	
	1905 May 28 11:18	0°♌			1907 Dec 03 07:26	0°♌	
greatest brilliancy	1905 May 31 00:48	0°♌58'06	-4.5m		1907 Dec 27 08:53	0°≈	
morning max el	1905 Jul 06 13:14	28°♌07'47	45°43'42		1908 Jan 20 13:50	0°♋	
	1905 Jul 08 12:00	0°♌			1908 Feb 14 02:55	0°♍	
	1905 Aug 06 08:18	0°♌		asc. node	1908 Feb 28 00:59	16°♍41'30	
	1905 Sep 01 20:16	0°♌			1908 Mar 10 08:06	0°♌	
asc. node	1905 Sep 12 05:59	12°♌11'41			1908 Apr 05 20:57	0°♌	
	1905 Sep 27 04:02	0°♍		evening max el	1908 Apr 26 19:04	21°♌38'32	45°37'09
	1905 Oct 21 18:32	0°♌			1908 May 05 17:44	0°♌	
	1905 Nov 14 22:40	0°♍		greatest brilliancy	1908 May 31 04:50	18°♌12'35	-4.5m
	1905 Dec 08 21:31	0°♌		retrograde	1908 Jun 14 14:51	21°♌51'17	
	1906 Jan 01 18:23	0°♌		desc. node	1908 Jun 18 14:19	21°♌32'30	
desc. node	1906 Jan 01 19:16	0°♌02'46		evening set	1908 Jun 29 22:04	17°♌22'00	
morning set	1906 Jan 03 17:06	2°♌26'51		inferior conj	1908 Jul 06 03:30	13°♌38'16	-3°-58'-33
	1906 Jan 25 15:12	0°≈		minimum elong	1908 Jul 05 19:34	13°♌50'41	3°56'30
				min. Earth dist.	1908 Jul 06 01:44	13°♌41'02	0.28999 AU
superior conj	1906 Feb 14 09:38	24°≈48'11	-1°-20'-39	morning rise	1908 Jul 11 16:54	10°♌15'58	
minimum elong	1906 Feb 14 01:48	24°≈23'39	1°20'32	direct	1908 Jul 27 18:25	5°♌20'38	
max. Earth dist.	1906 Feb 18 04:21	29°≈32'15	1.71552 AU	greatest brilliancy	1908 Aug 10 17:35	8°♌43'25	-4.5m
	1906 Feb 18 13:13	0°♋			1908 Sep 08 22:32	0°♌	
	1906 Mar 14 13:42	0°♍		morning max el	1908 Sep 14 21:28	5°♌38'14	46°02'11
evening rise	1906 Mar 26 15:14	14°♍59'51			1908 Oct 08 06:13	0°♍	
	1906 Apr 07 17:59	0°♌		asc. node	1908 Oct 09 17:52	1°♍38'20	
asc. node	1906 Apr 24 22:53	21°♌11'35			1908 Nov 03 11:29	0°♌	
	1906 May 02 03:13	0°♌			1908 Nov 28 10:43	0°♍	
	1906 May 26 18:17	0°♌			1908 Dec 22 20:01	0°♌	
	1906 Jun 20 16:36	0°♌			1909 Jan 15 23:20	0°♌	
	1906 Jul 16 01:18	0°♍		desc. node	1909 Jan 29 07:08	16°♌36'55	
	1906 Aug 11 03:21	0°♌			1909 Feb 09 00:41	0°≈	
desc. node	1906 Aug 14 11:54	3°♌46'12			1909 Mar 05 02:11	0°♋	
	1906 Sep 07 15:33	0°♍		morning set	1909 Mar 21 05:03	20°♋03'19	
evening max el	1906 Sep 20 22:07	13°♍25'15	46°29'13		1909 Mar 29 05:12	0°♍	
	1906 Oct 09 10:31	0°♌			1909 Apr 22 10:35	0°♌	
greatest brilliancy	1906 Oct 29 19:55	12°♌35'17	-4.6m				
retrograde	1906 Nov 09 15:36	14°♌44'34		superior conj	1909 Apr 28 17:50	7°♌47'00	0°-52'-30
evening set	1906 Nov 24 05:05	10°♌36'21		minimum elong	1909 Apr 29 03:18	8°♌16'15	0°52'10
inferior conj	1906 Nov 30 05:18	7°♌06'05	-1°-24'-12	max. Earth dist.	1909 May 01 06:37	10°♌54'32	1.73066 AU
minimum elong	1906 Nov 30 08:31	7°♌01'12	1°23'10		1909 May 16 18:31	0°♌	
min. Earth dist.	1906 Nov 30 11:40	6°♌56'24	0.26506 AU	asc. node	1909 May 22 10:39	6°♌58'42	
asc. node	1906 Dec 05 15:22	3°♌54'30		evening rise	1909 Jun 05 02:43	23°♌46'09	
morning rise	1906 Dec 06 11:35	3°♌27'15			1909 Jun 10 04:37	0°♌	
	1906 Dec 15 11:42	30°♍			1909 Jul 04 16:32	0°♌	
direct	1906 Dec 20 16:26	29°♍26'48			1909 Jul 29 06:42	0°♍	
	1906 Dec 25 23:49	0°♌			1909 Aug 23 00:34	0°♌	

desc. node	1909 Sep 10 23:59	22° Ω 48'44			1912 Mar 19 03:49	0° Υ		
	1909 Sep 17 00:21	0° $\mathbb{M}$			1912 Apr 12 14:50	0° Υ		
	1909 Oct 12 09:28	0° $\mathcal{A}$			1912 May 07 01:57	0° $\mathcal{B}$		
	1909 Nov 07 12:11	0° $\mathcal{C}$		morning set	1912 May 30 12:01	28° $\mathcal{B}$ 42'28		
evening max el	1909 Dec 02 17:37	27° $\mathcal{C}$ 10'23	47°18'32		1912 May 31 13:19	0° $\mathbb{I}$		
	1909 Dec 05 13:01	0° $\approx$		asc. node	1912 Jun 18 22:28	22° $\mathbb{I}$ 32'44		
asc. node	1910 Jan 02 03:13	23° $\approx$ 32'04			1912 Jun 25 00:12	0° $\mathcal{C}$		
greatest brilliancy	1910 Jan 09 23:58	27° $\approx$ 52'48	-4.7m	max. Earth dist.	1912 Jul 04 16:10	11° $\mathcal{C}$ 52'23	1.73558 AU	
	1910 Jan 15 20:56	0° Υ						
retrograde	1910 Jan 22 17:24	0° Υ 55'51		superior conj	1912 Jul 06 02:31	13° $\mathcal{C}$ 37'58	0°39'18	
	1910 Jan 29 09:12	30° $\approx$		minimum elong	1912 Jul 05 19:22	13° $\mathcal{C}$ 15'58	0°39'00	
evening set	1910 Feb 08 15:25	25° $\approx$ 18'06			1912 Jul 19 09:44	0° $\mathcal{Q}$		
min. Earth dist.	1910 Feb 11 16:00	23° $\approx$ 27'24	0.27265 AU	evening rise	1912 Aug 10 21:56	27° $\mathcal{Q}$ 44'54		
inferior conj	1910 Feb 12 12:22	22° $\approx$ 55'44	8°15'30		1912 Aug 12 17:43	0° $\mathbb{M}$		
minimum elong	1910 Feb 12 05:08	23° $\approx$ 07'00	8°14'41		1912 Sep 06 00:53	0° $\mathcal{A}$		
morning rise	1910 Feb 15 19:06	20° $\approx$ 55'03			1912 Sep 30 08:26	0° $\mathbb{M}$		
direct	1910 Mar 05 01:55	15° $\approx$ 07'12		desc. node	1912 Oct 08 11:53	10° $\mathbb{M}$ 01'59		
greatest brilliancy	1910 Mar 15 19:14	17° $\approx$ 15'16	-4.6m		1912 Oct 24 17:25	0° $\mathcal{A}$		
	1910 Apr 05 09:53	0° Υ			1912 Nov 18 05:03	0° $\mathcal{C}$		
morning max el	1910 Apr 23 15:02	16° Υ 21'06	46°13'03		1912 Dec 12 22:23	0° $\approx$		
desc. node	1910 Apr 23 16:39	16° Υ 25'01			1913 Jan 07 05:27	0° Υ		
	1910 May 07 02:27	0° Υ		asc. node	1913 Jan 29 15:09	25° Υ 19'07		
	1910 Jun 03 14:58	0° $\mathcal{B}$			1913 Feb 02 23:22	0° Υ		
	1910 Jun 29 19:32	0° $\mathbb{I}$		evening max el	1913 Feb 12 14:26	10° Υ 00'32	46°43'26	
	1910 Jul 25 07:01	0° $\mathcal{C}$			1913 Mar 06 17:09	0° $\mathcal{B}$		
asc. node	1910 Aug 14 20:07	24° $\mathcal{C}$ 39'34		greatest brilliancy	1913 Mar 20 13:00	8° $\mathcal{B}$ 49'47	-4.6m	
	1910 Aug 19 05:56	0° $\mathcal{Q}$		retrograde	1913 Apr 03 19:46	12° $\mathcal{B}$ 29'53		
	1910 Sep 12 18:29	0° $\mathbb{M}$		evening set	1913 Apr 20 06:21	7° $\mathcal{B}$ 13'20		
	1910 Oct 06 23:11	0° $\mathcal{A}$		inferior conj	1913 Apr 25 01:48	4° $\mathcal{B}$ 15'05	5°43'14	
morning set	1910 Oct 18 05:20	14° $\mathcal{A}$ 03'15		minimum elong	1913 Apr 25 11:30	3° $\mathcal{B}$ 59'44	5°41'04	
	1910 Oct 30 22:53	0° $\mathbb{M}$		min. Earth dist.	1913 Apr 25 01:06	4° $\mathcal{B}$ 16'11	0.28547 AU	
	1910 Nov 23 20:09	0° $\mathcal{A}$		morning rise	1913 Apr 30 17:04	0° $\mathcal{B}$ 49'19		
max. Earth dist.	1910 Nov 25 17:17	2° $\mathcal{A}$ 21'51	1.71197 AU		1913 May 02 05:12	30° Υ		
				direct	1913 May 16 09:38	26° Υ 04'43		
superior conj	1910 Nov 26 13:53	3° $\mathcal{A}$ 26'39	0°18'36	desc. node	1913 May 21 04:21	26° Υ 30'44		
minimum elong	1910 Nov 26 18:36	3° $\mathcal{A}$ 41'26	0°18'21	greatest brilliancy	1913 May 28 14:01	28° Υ 43'55	-4.5m	
desc. node	1910 Dec 04 09:32	13° $\mathcal{A}$ 16'41			1913 May 31 09:45	0° $\mathcal{B}$		
	1910 Dec 17 16:38	0° $\mathcal{C}$		morning max el	1913 Jul 04 04:00	25° $\mathcal{B}$ 55'03	45°43'51	
evening rise	1911 Jan 06 22:16	25° $\mathcal{C}$ 26'15			1913 Jul 08 09:16	0° $\mathbb{I}$		
	1911 Jan 10 13:28	0° $\approx$			1913 Aug 05 23:33	0° $\mathcal{C}$		
	1911 Feb 03 12:03	0° Υ			1913 Sep 01 09:20	0° $\mathcal{Q}$		
	1911 Feb 27 14:29	0° Υ		asc. node	1913 Sep 11 08:07	11° $\mathcal{Q}$ 40'54		
	1911 Mar 23 23:35	0° $\mathcal{B}$			1913 Sep 26 16:04	0° $\mathbb{M}$		
asc. node	1911 Mar 27 13:00	4° $\mathcal{B}$ 20'25			1913 Oct 21 06:02	0° $\mathcal{A}$		
	1911 Apr 17 18:56	0° $\mathbb{I}$			1913 Nov 14 09:55	0° $\mathbb{M}$		
	1911 May 13 05:42	0° $\mathcal{C}$			1913 Dec 08 08:38	0° $\mathcal{A}$		
	1911 Jun 08 18:48	0° $\mathcal{Q}$		morning set	1914 Jan 01 02:58	29° $\mathcal{A}$ 52'16		
evening max el	1911 Jul 07 16:02	29° $\mathcal{Q}$ 52'45	45°29'03	desc. node	1913 Dec 31 21:20	29° $\mathcal{A}$ 34'34		
	1911 Jul 07 19:04	0° $\mathbb{M}$			1914 Jan 01 05:25	0° $\mathcal{C}$		
desc. node	1911 Jul 17 02:09	8° $\mathbb{M}$ 30'27			1914 Jan 25 02:09	0° $\approx$		
greatest brilliancy	1911 Aug 13 14:02	27° $\mathbb{M}$ 02'57	-4.5m					
retrograde	1911 Aug 25 07:54	29° $\mathbb{M}$ 28'40		superior conj	1914 Feb 11 20:36	22° $\approx$ 18'05	-1°-19'-12	
evening set	1911 Sep 12 08:39	23° $\mathbb{M}$ 25'48		minimum elong	1914 Feb 11 11:59	21° $\approx$ 51'04	1°19'03	
inferior conj	1911 Sep 15 11:56	21° $\mathbb{M}$ 30'52	-8°-42'-19	max. Earth dist.	1914 Feb 15 13:03	26° $\approx$ 55'08	1.71502 AU	
minimum elong	1911 Sep 15 13:36	21° $\mathbb{M}$ 28'17	8°42'18		1914 Feb 18 00:05	0° Υ		
min. Earth dist.	1911 Sep 16 04:13	21° $\mathbb{M}$ 05'44	0.28289 AU		1914 Mar 14 00:30	0° Υ		
morning rise	1911 Sep 18 18:23	19° $\mathbb{M}$ 30'56		evening rise	1914 Mar 24 04:15	12° Υ 37'43		
direct	1911 Oct 06 20:24	13° $\mathbb{M}$ 22'50			1914 Apr 07 04:48	0° $\mathcal{B}$		
greatest brilliancy	1911 Oct 21 06:18	17° $\mathbb{M}$ 07'35	-4.6m	asc. node	1914 Apr 24 00:51	20° $\mathcal{B}$ 44'08		
asc. node	1911 Nov 07 05:30	28° $\mathbb{M}$ 29'40			1914 May 01 14:11	0° $\mathbb{I}$		
	1911 Nov 09 00:55	0° $\mathcal{A}$			1914 May 26 05:34	0° $\mathcal{C}$		
morning max el	1911 Nov 26 08:33	16° $\mathcal{A}$ 15'13	46°45'05		1914 Jun 20 04:26	0° $\mathcal{Q}$		
	1911 Dec 09 09:23	0° $\mathbb{M}$			1914 Jul 15 14:10	0° $\mathbb{M}$		
	1912 Jan 04 18:38	0° $\mathcal{A}$			1914 Aug 10 18:11	0° $\mathcal{A}$		
	1912 Jan 29 22:45	0° $\mathcal{C}$		desc. node	1914 Aug 13 14:04	3° $\mathcal{A}$ 09'51		
	1912 Feb 23 15:29	0° $\approx$			1914 Sep 07 10:58	0° $\mathbb{M}$		
desc. node	1912 Feb 26 19:05	3° $\approx$ 50'48		evening max el	1914 Sep 18 10:01	11° $\mathbb{M}$ 00'16	46°26'43	

	1914 Oct 10 01:49	0°♊			1917 Apr 21 21:17	0°♋		
greatest brilliancy	1914 Oct 27 09:39	10°♊09'46	-4.6m					
retrograde	1914 Nov 07 03:11	12°♊17'20		superior conj	1917 Apr 26 09:27	5°♋34'08	0°-55'-11	
evening set	1914 Nov 21 18:57	8°♊06'34		minimum elong	1917 Apr 26 19:11	6°♋04'11	0°54'50	
inferior conj	1914 Nov 27 17:35	4°♊38'50	-1°-48'-11	max. Earth dist.	1917 Apr 29 00:23	8°♋48'24	1.73022 AU	
minimum elong	1914 Nov 27 21:41	4°♊32'36	1°46'54		1917 May 16 05:08	0°♌		
min. Earth dist.	1914 Nov 28 01:49	4°♊26'18	0.26538 AU	asc. node	1917 May 21 12:42	6°♌32'21		
morning rise	1914 Dec 03 23:55	0°♊59'47		evening rise	1917 Jun 02 20:42	21°♌41'30		
asc. node	1914 Dec 04 17:23	0°♊37'01			1917 Jun 09 15:15	0°♍		
	1914 Dec 05 23:20	30°♍			1917 Jul 04 03:20	0°♎		
direct	1914 Dec 18 04:29	26°♍58'33			1917 Jul 28 17:52	0°♏		
greatest brilliancy	1914 Dec 30 20:11	29°♍56'35	-4.7m		1917 Aug 22 12:19	0°♐		
	1914 Dec 30 23:15	0°♑		desc. node	1917 Sep 10 01:58	22°♐17'38		
	1915 Feb 06 15:57	0°♑			1917 Sep 16 13:00	0°♒		
morning max el	1915 Feb 06 17:25	0°♑03'40	46°53'54		1917 Oct 11 23:33	0°♓		
	1915 Mar 06 13:15	0°♒			1917 Nov 07 05:01	0°♑		
desc. node	1915 Mar 26 06:58	22°♒36'09		evening max el	1917 Nov 30 08:48	24°♑49'49	47°18'14	
	1915 Apr 01 15:19	0°♓			1917 Dec 05 13:14	0°♒		
	1915 Apr 27 00:56	0°♑		asc. node	1918 Jan 01 05:22	22°♒04'17		
	1915 May 22 02:56	0°♋		greatest brilliancy	1918 Jan 07 14:22	25°♒28'21	-4.7m	
	1915 Jun 16 00:21	0°♌		retrograde	1918 Jan 20 07:51	28°♒30'51		
asc. node	1915 Jul 10 17:31	0°♍		evening set	1918 Feb 06 01:10	22°♒59'05		
	1915 Jul 17 10:22	8°♍10'43		min. Earth dist.	1918 Feb 09 04:34	21°♒04'17	0.27208 AU	
	1915 Aug 04 05:47	0°♎		inferior conj	1918 Feb 10 01:45	20°♒31'25	8°06'58	
morning set	1915 Aug 07 04:14	3°♎36'39		minimum elong	1918 Feb 09 17:53	20°♒43'38	8°05'58	
	1915 Aug 28 13:06	0°♏		morning rise	1918 Feb 13 10:54	18°♒27'23		
max. Earth dist.	1915 Sep 09 07:40	14°♏36'38	1.72530 AU	direct	1918 Mar 02 15:24	12°♒43'56		
				greatest brilliancy	1918 Mar 13 06:57	14°♒51'00	-4.6m	
superior conj	1915 Sep 12 18:19	18°♏53'31	1°24'46		1918 Apr 05 20:11	0°♓		
minimum elong	1915 Sep 12 19:09	18°♏56'05	1°24'47	morning max el	1918 Apr 21 05:42	14°♓04'03	46°14'31	
	1915 Sep 21 16:31	0°♐		desc. node	1918 Apr 22 18:39	15°♓34'36		
	1915 Oct 15 17:42	0°♑			1918 May 06 20:58	0°♑		
evening rise	1915 Oct 20 16:19	6°♑10'17			1918 Jun 03 05:27	0°♋		
desc. node	1915 Nov 05 23:44	26°♑32'39			1918 Jun 29 08:12	0°♌		
	1915 Nov 08 18:07	0°♒			1918 Jul 24 18:44	0°♍		
	1915 Dec 02 18:38	0°♑		asc. node	1918 Aug 13 22:15	24°♍12'00		
	1915 Dec 26 20:21	0°♒			1918 Aug 18 17:06	0°♎		
	1916 Jan 20 01:41	0°♓			1918 Sep 12 05:23	0°♏		
asc. node	1916 Feb 13 15:24	0°♑			1918 Oct 06 10:00	0°♐		
	1916 Feb 27 03:04	16°♑08'58		morning set	1918 Oct 15 19:58	11°♐45'13		
	1916 Mar 09 21:49	0°♋			1918 Oct 30 09:43	0°♑		
	1916 Apr 05 13:31	0°♌		max. Earth dist.	1918 Nov 23 00:18	29°♑38'51	1.71221 AU	
evening max el	1916 Apr 24 10:33	19°♌27'03	45°38'52		1918 Nov 23 07:02	0°♒		
	1916 May 05 20:37	0°♍						
greatest brilliancy	1916 May 28 18:45	16°♍01'41	-4.5m	superior conj	1918 Nov 24 01:05	0°♒56'44	0°22'21	
retrograde	1916 Jun 12 07:48	19°♍43'52		minimum elong	1918 Nov 24 06:39	1°♒14'14	0°22'05	
desc. node	1916 Jun 17 16:19	19°♍09'34		desc. node	1918 Dec 03 11:38	12°♒48'59		
evening set	1916 Jun 27 13:14	15°♍15'47			1918 Dec 17 03:34	0°♑		
inferior conj	1916 Jul 03 19:56	11°♍30'21	-3°-40'-56	evening rise	1919 Jan 04 08:11	22°♑52'06		
minimum elong	1916 Jul 03 12:27	11°♍42'03	3°38'57		1919 Jan 10 00:28	0°♒		
min. Earth dist.	1916 Jul 03 17:53	11°♍33'35	0.28999 AU		1919 Feb 02 23:08	0°♓		
morning rise	1916 Jul 09 11:35	8°♍05'11			1919 Feb 27 01:43	0°♑		
direct	1916 Jul 25 10:48	3°♍12'36			1919 Mar 23 11:08	0°♋		
greatest brilliancy	1916 Aug 08 10:09	6°♍35'52	-4.5m	asc. node	1919 Mar 26 14:57	3°♋51'04		
	1916 Sep 08 22:26	0°♎			1919 Apr 17 07:03	0°♌		
morning max el	1916 Sep 12 13:57	3°♎28'56	46°00'52		1919 May 12 18:59	0°♍		
	1916 Oct 07 22:11	0°♏			1919 Jun 08 10:35	0°♎		
asc. node	1916 Oct 08 19:49	0°♏59'55		evening max el	1919 Jul 05 07:08	27°♎40'13	45°28'05	
	1916 Nov 03 00:59	0°♐			1919 Jul 07 18:17	0°♏		
	1916 Nov 27 23:07	0°♑		desc. node	1919 Jul 16 04:21	7°♏34'01		
	1916 Dec 22 07:50	0°♒		greatest brilliancy	1919 Aug 11 03:07	24°♏47'49	-4.5m	
	1917 Jan 15 10:46	0°♑		retrograde	1919 Aug 22 21:51	27°♏14'23		
desc. node	1917 Jan 28 09:17	16°♑08'27		evening set	1919 Sep 09 23:02	21°♏11'59		
	1917 Feb 08 11:51	0°♒		inferior conj	1919 Sep 13 02:49	19°♏16'02	-8°-43'-6	
	1917 Mar 04 13:09	0°♓		minimum elong	1919 Sep 13 03:38	19°♏14'47	8°43'07	
morning set	1917 Mar 18 17:55	17°♓40'17		min. Earth dist.	1919 Sep 13 18:20	18°♏52'01	0.28342 AU	
	1917 Mar 28 16:01	0°♑		morning rise	1919 Sep 16 08:03	17°♏17'37		

direct	1919 Oct 04 11:46	11° $\cap$ 07'24			1922 Apr 06 15:50	0° δ	
greatest brilliancy	1919 Oct 18 20:50	14° $\cap$ 50'15	-4.6m	asc. node	1922 Apr 23 02:53	20° δ 16'16	
asc. node	1919 Nov 06 07:35	27° $\cap$ 24'33			1922 May 01 01:22	0° $\cap$	
	1919 Nov 09 08:05	0° $\underline{\cap}$			1922 May 25 17:04	0° $\ominus$	
morning max el	1919 Nov 23 22:17	13° $\underline{\cap}$ 52'45	46°43'42		1922 Jun 19 16:32	0° $\cap$	
	1919 Dec 09 03:29	0° $\cap$			1922 Jul 15 03:22	0° $\cap$	
	1920 Jan 04 09:20	0° $\mathcal{A}$			1922 Aug 10 09:30	0° $\underline{\cap}$	
	1920 Jan 29 11:55	0° $\mathcal{B}$		desc. node	1922 Aug 12 16:03	2° $\underline{\cap}$ 31'56	
	1920 Feb 23 03:47	0° $\approx$			1922 Sep 07 07:15	0° $\cap$	
desc. node	1920 Feb 25 21:07	3° $\approx$ 19'41		evening max el	1922 Sep 15 22:28	8° $\cap$ 36'17	46°24'22
	1920 Mar 18 15:31	0° $\mathcal{H}$			1922 Oct 10 22:33	0° $\mathcal{A}$	
	1920 Apr 12 02:07	0° $\mathcal{Y}$		greatest brilliancy	1922 Oct 24 22:35	7° $\mathcal{A}$ 43'18	-4.6m
	1920 May 06 12:55	0° δ		retrograde	1922 Nov 04 15:21	9° $\mathcal{A}$ 50'19	
morning set	1920 May 28 05:32	26° δ 36'00		evening set	1922 Nov 19 09:05	5° $\mathcal{A}$ 36'31	
	1920 May 31 00:05	0° $\cap$		inferior conj	1922 Nov 25 05:57	2° $\mathcal{A}$ 11'34	-2°-11'-52
asc. node	1920 Jun 18 00:35	22° $\cap$ 06'23		minimum elong	1922 Nov 25 10:54	2° $\mathcal{A}$ 04'04	2°10'20
	1920 Jun 24 10:53	0° $\ominus$		min. Earth dist.	1922 Nov 25 15:45	1° $\mathcal{A}$ 56'41	0.26571 AU
max. Earth dist.	1920 Jul 02 11:41	9° $\ominus$ 52'05	1.73567 AU		1922 Nov 28 21:47	30° $\cap$	
				morning rise	1922 Dec 01 12:10	28° $\cap$ 32'54	
superior conj	1920 Jul 03 20:51	11° $\ominus$ 33'59	0°36'30	asc. node	1922 Dec 03 19:28	27° $\cap$ 23'40	
minimum elong	1920 Jul 03 14:05	11° $\ominus$ 13'11	0°36'11	direct	1922 Dec 15 17:08	24° $\cap$ 30'20	
	1920 Jul 18 20:26	0° $\cap$		greatest brilliancy	1922 Dec 28 12:08	27° $\cap$ 32'22	-4.7m
evening rise	1920 Aug 08 16:18	25° $\cap$ 40'13			1923 Jan 02 07:27	0° $\mathcal{A}$	
	1920 Aug 12 04:31	0° $\cap$		morning max el	1923 Feb 04 07:26	27° $\mathcal{A}$ 39'44	46°54'38
	1920 Sep 05 11:53	0° $\underline{\cap}$			1923 Feb 06 14:34	0° $\mathcal{B}$	
	1920 Sep 29 19:45	0° $\cap$			1923 Mar 06 05:38	0° $\approx$	
desc. node	1920 Oct 07 13:54	9° $\cap$ 32'55		desc. node	1923 Mar 25 08:57	22° $\approx$ 00'00	
	1920 Oct 24 05:11	0° $\mathcal{A}$			1923 Apr 01 05:16	0° $\mathcal{H}$	
	1920 Nov 17 17:28	0° $\mathcal{B}$			1923 Apr 26 13:36	0° $\mathcal{Y}$	
	1920 Dec 12 11:46	0° $\approx$			1923 May 21 14:50	0° δ	
	1921 Jan 06 20:33	0° $\mathcal{H}$			1923 Jun 15 11:46	0° $\cap$	
asc. node	1921 Jan 28 17:12	24° $\mathcal{H}$ 35'26			1923 Jul 10 04:36	0° $\ominus$	
	1921 Feb 02 18:35	0° $\mathcal{Y}$		asc. node	1923 Jul 16 12:25	7° $\ominus$ 43'17	
evening max el	1921 Feb 10 04:28	7° $\mathcal{Y}$ 39'54	46°45'41		1923 Aug 03 16:42	0° $\cap$	
	1921 Mar 07 09:18	0° δ		morning set	1923 Aug 04 21:44	1° $\cap$ 29'15	
greatest brilliancy	1921 Mar 18 07:00	6° δ 38'26	-4.6m		1923 Aug 27 23:59	0° $\cap$	
retrograde	1921 Apr 01 11:19	10° δ 16'29		max. Earth dist.	1923 Sep 07 02:22	12° $\cap$ 31'39	1.72581 AU
evening set	1921 Apr 18 01:01	4° δ 56'05					
inferior conj	1921 Apr 22 17:37	2° δ 02'01	5°58'43	superior conj	1923 Sep 10 11:01	16° $\cap$ 42'13	1°24'51
minimum elong	1921 Apr 23 03:25	1° δ 46'31	5°56'35	minimum elong	1923 Sep 10 11:07	16° $\cap$ 42'32	1°24'51
min. Earth dist.	1921 Apr 22 16:56	2° δ 03'06	0.28518 AU		1923 Sep 21 03:29	0° $\underline{\cap}$	
	1921 Apr 25 23:46	30° $\mathcal{Y}$			1923 Oct 15 04:49	0° $\cap$	
morning rise	1921 Apr 28 06:08	28° $\mathcal{Y}$ 39'49		evening rise	1923 Oct 18 06:04	3° $\cap$ 48'39	
direct	1921 May 14 00:27	23° $\mathcal{Y}$ 52'07		desc. node	1923 Nov 05 01:52	26° $\cap$ 04'09	
desc. node	1921 May 20 06:28	24° $\mathcal{Y}$ 35'55			1923 Nov 08 05:23	0° $\mathcal{A}$	
greatest brilliancy	1921 May 26 03:52	26° $\mathcal{Y}$ 29'45	-4.5m		1923 Dec 02 06:06	0° $\mathcal{B}$	
	1921 Jun 02 04:21	0° δ			1923 Dec 26 08:03	0° $\approx$	
morning max el	1921 Jul 01 18:31	23° δ 41'12	45°44'07		1924 Jan 19 13:45	0° $\mathcal{H}$	
	1921 Jul 08 05:57	0° $\cap$			1924 Feb 13 04:10	0° $\mathcal{Y}$	
	1921 Aug 05 14:42	0° $\ominus$		asc. node	1924 Feb 26 05:00	15° $\mathcal{Y}$ 35'11	
	1921 Aug 31 22:24	0° $\cap$			1924 Mar 09 11:55	0° δ	
asc. node	1921 Sep 10 09:59	11° $\cap$ 09'14			1924 Apr 05 06:46	0° $\cap$	
	1921 Sep 26 04:08	0° $\cap$		evening max el	1924 Apr 22 02:58	17° $\cap$ 16'50	45°40'30
	1921 Oct 20 17:35	0° $\underline{\cap}$			1924 May 06 01:49	0° $\ominus$	
	1921 Nov 13 21:11	0° $\cap$		greatest brilliancy	1924 May 26 09:38	13° $\ominus$ 50'48	-4.5m
	1921 Dec 07 19:47	0° $\mathcal{A}$		retrograde	1924 Jun 10 00:50	17° $\ominus$ 35'00	
morning set	1921 Dec 29 12:59	27° $\mathcal{A}$ 17'54		desc. node	1924 Jun 16 18:28	16° $\ominus$ 40'35	
desc. node	1921 Dec 30 23:28	29° $\mathcal{A}$ 06'21		evening set	1924 Jun 25 04:36	13° $\ominus$ 08'11	
	1921 Dec 31 16:31	0° $\mathcal{B}$		inferior conj	1924 Jul 01 12:20	9° $\ominus$ 21'06	-3°-22'-53
	1922 Jan 24 13:13	0° $\approx$		minimum elong	1924 Jul 01 05:21	9° $\ominus$ 32'00	3°21'00
				min. Earth dist.	1924 Jul 01 09:53	9° $\ominus$ 24'56	0.28996 AU
superior conj	1922 Feb 09 07:16	19° $\approx$ 46'31	-1°-17'-35	morning rise	1924 Jul 07 06:08	5° $\ominus$ 53'08	
minimum elong	1922 Feb 08 21:55	19° $\approx$ 17'11	1°17'24	direct	1924 Jul 23 03:34	1° $\ominus$ 03'26	
max. Earth dist.	1922 Feb 12 17:50	24° $\approx$ 05'14	1.71460 AU	greatest brilliancy	1924 Aug 06 01:34	4° $\ominus$ 25'49	-4.5m
	1922 Feb 17 11:06	0° $\mathcal{H}$			1924 Sep 08 21:43	0° $\cap$	
	1922 Mar 13 11:30	0° $\mathcal{Y}$		morning max el	1924 Sep 10 06:32	1° $\cap$ 18'59	45°59'30
evening rise	1922 Mar 21 16:43	10° $\mathcal{Y}$ 13'12			1924 Oct 07 14:16	0° $\cap$	

asc. node	1924 Oct 07 21:57	0° $\cap$ 21'22		evening max el	1927 Jul 02 21:33	25° Ω 25'18	45°27'02
	1924 Nov 02 14:44	0° $\underline{\cap}$			1927 Jul 07 18:55	0° $\cap$	
	1924 Nov 27 11:48	0° $\cap$		desc. node	1927 Jul 15 06:17	6° $\cap$ 34'57	
	1924 Dec 21 19:56	0° $\times$		greatest brilliancy	1927 Aug 08 16:11	22° $\cap$ 31'57	-4.5m
	1925 Jan 14 22:28	0° $\overline{\cap}$		retrograde	1927 Aug 20 11:42	24° $\cap$ 59'46	
desc. node	1925 Jan 27 11:16	15° $\overline{\cap}$ 38'37		evening set	1927 Sep 07 13:07	18° $\cap$ 58'14	
	1925 Feb 07 23:16	0° $\approx$		inferior conj	1927 Sep 10 17:51	17° $\cap$ 00'51	-8°-43'-2
	1925 Mar 04 00:21	0° $\times$		minimum elong	1927 Sep 10 17:49	17° $\cap$ 00'55	8°43'03
morning set	1925 Mar 16 07:05	15° $\times$ 17'23		min. Earth dist.	1927 Sep 11 08:56	16° $\cap$ 37'28	0.28396 AU
	1925 Mar 28 03:04	0° Υ		morning rise	1927 Sep 13 22:18	15° $\cap$ 03'23	
	1925 Apr 21 08:14	0° $\overline{\cap}$		direct	1927 Oct 02 02:50	8° $\cap$ 51'23	
				greatest brilliancy	1927 Oct 16 12:24	12° $\cap$ 33'38	-4.6m
superior conj	1925 Apr 24 01:11	3° $\overline{\cap}$ 20'43	0°-57'-46	asc. node	1927 Nov 05 09:42	26° $\cap$ 20'21	
minimum elong	1925 Apr 24 11:06	3° $\overline{\cap}$ 51'18	0°57'25		1927 Nov 09 13:26	0° $\underline{\cap}$	
max. Earth dist.	1925 Apr 26 20:05	6° $\overline{\cap}$ 47'19	1.72981 AU	morning max el	1927 Nov 21 11:45	11° $\underline{\cap}$ 28'57	46°42'23
	1925 May 15 16:04	0° $\cap$			1927 Dec 08 21:26	0° $\cap$	
asc. node	1925 May 20 14:51	6° $\cap$ 05'19			1928 Jan 04 00:06	0° $\times$	
evening rise	1925 May 31 14:40	19° $\cap$ 35'44			1928 Jan 29 01:13	0° $\overline{\cap}$	
	1925 Jun 09 02:14	0° $\overline{\cap}$			1928 Feb 22 16:15	0° $\approx$	
	1925 Jul 03 14:31	0° Ω		desc. node	1928 Feb 24 23:05	2° $\approx$ 47'46	
	1925 Jul 28 05:25	0° $\cap$			1928 Mar 18 03:25	0° $\times$	
	1925 Aug 22 00:28	0° $\underline{\cap}$			1928 Apr 11 13:35	0° Υ	
desc. node	1925 Sep 09 03:59	21° $\underline{\cap}$ 45'30			1928 May 06 00:03	0° $\overline{\cap}$	
	1925 Sep 16 02:05	0° $\cap$		morning set	1928 May 25 23:20	24° $\overline{\cap}$ 29'55	
	1925 Oct 11 14:10	0° $\times$			1928 May 30 11:00	0° $\cap$	
	1925 Nov 06 22:34	0° $\overline{\cap}$		asc. node	1928 Jun 17 02:37	21° $\cap$ 39'21	
evening max el	1925 Nov 28 00:19	22° $\overline{\cap}$ 28'58	47°17'44		1928 Jun 23 21:42	0° $\overline{\cap}$	
	1925 Dec 05 15:09	0° $\approx$		max. Earth dist.	1928 Jun 30 07:54	7° $\overline{\cap}$ 53'33	1.73577 AU
asc. node	1925 Dec 31 07:26	20° $\approx$ 32'09					
greatest brilliancy	1926 Jan 05 05:55	23° $\approx$ 04'17	-4.7m	superior conj	1928 Jul 01 15:31	9° $\overline{\cap}$ 30'41	0°33'39
retrograde	1926 Jan 17 22:10	26° $\approx$ 04'36		minimum elong	1928 Jul 01 09:10	9° $\overline{\cap}$ 11'10	0°33'22
evening set	1926 Feb 03 10:54	20° $\approx$ 39'22			1928 Jul 18 07:16	0° Ω	
min. Earth dist.	1926 Feb 06 17:30	18° $\approx$ 39'47	0.27146 AU	evening rise	1928 Aug 06 11:00	23° Ω 36'12	
inferior conj	1926 Feb 07 15:08	18° $\approx$ 06'12	7°57'31		1928 Aug 11 15:29	0° $\cap$	
minimum elong	1926 Feb 07 06:43	18° $\approx$ 19'17	7°56'20		1928 Sep 04 23:05	0° $\underline{\cap}$	
morning rise	1926 Feb 11 02:53	15° $\approx$ 58'25			1928 Sep 29 07:18	0° $\cap$	
direct	1926 Feb 28 04:47	10° $\approx$ 20'01		desc. node	1928 Oct 06 16:01	9° $\cap$ 03'29	
greatest brilliancy	1926 Mar 10 18:27	12° $\approx$ 25'32	-4.6m		1928 Oct 23 17:12	0° $\times$	
	1926 Apr 06 03:59	0° $\times$			1928 Nov 17 06:09	0° $\overline{\cap}$	
morning max el	1926 Apr 18 19:38	11° $\times$ 44'30	46°16'02		1928 Dec 12 01:25	0° $\approx$	
desc. node	1926 Apr 21 20:48	14° $\times$ 44'52			1929 Jan 06 12:01	0° $\times$	
	1926 May 06 15:13	0° Υ		asc. node	1929 Jan 27 19:09	23° $\times$ 50'24	
	1926 Jun 02 19:59	0° $\overline{\cap}$			1929 Feb 02 14:34	0° Υ	
	1926 Jun 28 21:05	0° $\cap$		evening max el	1929 Feb 07 18:12	5° Υ 17'47	46°47'55
	1926 Jul 24 06:42	0° $\overline{\cap}$			1929 Mar 08 07:29	0° $\overline{\cap}$	
asc. node	1926 Aug 13 00:11	23° $\overline{\cap}$ 42'54		greatest brilliancy	1929 Mar 16 00:04	4° $\overline{\cap}$ 25'09	-4.6m
	1926 Aug 18 04:35	0° Ω		retrograde	1929 Mar 30 03:03	8° $\overline{\cap}$ 02'37	
	1926 Sep 11 16:37	0° $\cap$		evening set	1929 Apr 15 19:41	2° $\overline{\cap}$ 38'00	
	1926 Oct 05 21:07	0° $\underline{\cap}$			1929 Apr 20 02:05	30° Υ	
morning set	1926 Oct 13 10:37	9° $\underline{\cap}$ 26'21		inferior conj	1929 Apr 20 09:25	29° Υ 48'24	6°13'40
	1926 Oct 29 20:50	0° $\cap$		minimum elong	1929 Apr 20 19:16	29° Υ 32'51	6°11'37
max. Earth dist.	1926 Nov 20 05:27	26° $\cap$ 49'08	1.71249 AU	min. Earth dist.	1929 Apr 20 08:46	29° Υ 49'25	0.28489 AU
				morning rise	1929 Apr 25 19:05	26° Υ 30'11	
superior conj	1926 Nov 21 12:27	28° $\cap$ 26'31	0°26'03	direct	1929 May 11 15:01	21° Υ 38'50	
minimum elong	1926 Nov 21 18:49	28° $\cap$ 46'31	0°25'45	desc. node	1929 May 19 08:31	22° Υ 44'55	
	1926 Nov 22 18:12	0° $\times$		greatest brilliancy	1929 May 23 18:23	24° Υ 16'00	-4.5m
desc. node	1926 Dec 02 13:44	12° $\times$ 20'17			1929 Jun 03 09:48	0° $\overline{\cap}$	
	1926 Dec 16 14:48	0° $\overline{\cap}$		morning max el	1929 Jun 29 09:45	21° $\overline{\cap}$ 28'57	45°44'39
evening rise	1927 Jan 01 18:08	20° $\overline{\cap}$ 17'02			1929 Jul 08 02:00	0° $\cap$	
	1927 Jan 09 11:48	0° $\approx$			1929 Aug 05 05:39	0° $\overline{\cap}$	
	1927 Feb 02 10:33	0° $\times$			1929 Aug 31 11:24	0° Ω	
	1927 Feb 26 13:16	0° Υ		asc. node	1929 Sep 09 12:11	10° Ω 38'28	
	1927 Mar 22 22:56	0° $\overline{\cap}$			1929 Sep 25 16:13	0° $\cap$	
asc. node	1927 Mar 25 17:04	3° $\overline{\cap}$ 21'24			1929 Oct 20 05:12	0° $\underline{\cap}$	
	1927 Apr 16 19:25	0° $\cap$			1929 Nov 13 08:35	0° $\cap$	
	1927 May 12 08:33	0° $\overline{\cap}$			1929 Dec 07 07:03	0° $\times$	
	1927 Jun 08 02:51	0° Ω		morning set	1929 Dec 26 22:52	24° $\times$ 42'46	

desc. node	1929 Dec 30 01:27	28° $\overset{\circ}{\curvearrowright}$ 37'22		evening set	1932 Jun 22 20:06	11° $\overset{\circ}{\curvearrowright}$ 00'48	
	1929 Dec 31 03:44	0° $\overset{\circ}{\curvearrowright}$		inferior conj	1932 Jun 29 04:39	7° $\overset{\circ}{\curvearrowright}$ 12'09	-3°-4'-28
	1930 Jan 24 00:22	0° $\approx$		minimum elong	1932 Jun 28 22:13	7° $\overset{\circ}{\curvearrowright}$ 22'12	3°02'43
superior conj	1930 Feb 06 17:39	17° $\approx$ 13'47	-1°-15'-47	min. Earth dist.	1932 Jun 29 01:55	7° $\overset{\circ}{\curvearrowright}$ 16'27	0.28987 AU
minimum elong	1930 Feb 06 07:37	16° $\approx$ 42'18	1°15'34	morning rise	1932 Jul 05 00:27	3° $\overset{\circ}{\curvearrowright}$ 41'24	
max. Earth dist.	1930 Feb 09 22:10	21° $\approx$ 13'42	1.71420 AU	direct	1932 Jul 20 20:22	28° $\overset{\circ}{\curvearrowright}$ 54'48	
	1930 Feb 16 22:11	0° $\overset{\circ}{\curvearrowright}$			1932 Jul 28 12:36	0° $\overset{\circ}{\curvearrowright}$	
	1930 Mar 12 22:34	0° $\overset{\circ}{\curvearrowright}$		greatest brilliancy	1932 Aug 03 15:46	2° $\overset{\circ}{\curvearrowright}$ 14'45	-4.5m
evening rise	1930 Mar 19 05:08	7° $\overset{\circ}{\curvearrowright}$ 48'14		morning max el	1932 Sep 07 22:35	29° $\overset{\circ}{\curvearrowright}$ 08'39	45°58'20
	1930 Apr 06 02:57	0° $\overset{\circ}{\curvearrowright}$			1932 Sep 08 19:45	0° $\overset{\circ}{\curvearrowright}$	
asc. node	1930 Apr 22 05:03	19° $\overset{\circ}{\curvearrowright}$ 48'34			1932 Oct 07 05:46	0° $\overset{\circ}{\curvearrowright}$	
	1930 Apr 30 12:37	0° $\overset{\circ}{\curvearrowright}$		asc. node	1932 Oct 07 00:02	29° $\overset{\circ}{\curvearrowright}$ 44'00	
	1930 May 25 04:36	0° $\overset{\circ}{\curvearrowright}$			1932 Nov 02 04:01	0° $\overset{\circ}{\curvearrowright}$	
	1930 Jun 19 04:39	0° $\overset{\circ}{\curvearrowright}$			1932 Nov 27 00:06	0° $\overset{\circ}{\curvearrowright}$	
	1930 Jul 14 16:34	0° $\overset{\circ}{\curvearrowright}$			1932 Dec 21 07:43	0° $\overset{\circ}{\curvearrowright}$	
	1930 Aug 10 00:54	0° $\overset{\circ}{\curvearrowright}$			1933 Jan 14 09:56	0° $\overset{\circ}{\curvearrowright}$	
desc. node	1930 Aug 11 18:05	1° $\overset{\circ}{\curvearrowright}$ 54'12		desc. node	1933 Jan 26 13:18	15° $\overset{\circ}{\curvearrowright}$ 09'32	
	1930 Sep 07 04:05	0° $\overset{\circ}{\curvearrowright}$			1933 Feb 07 10:30	0° $\approx$	
evening max el	1930 Sep 13 11:50	6° $\overset{\circ}{\curvearrowright}$ 15'07	46°21'51		1933 Mar 03 11:24	0° $\overset{\circ}{\curvearrowright}$	
	1930 Oct 12 02:45	0° $\overset{\circ}{\curvearrowright}$		morning set	1933 Mar 13 19:34	12° $\overset{\circ}{\curvearrowright}$ 52'49	
greatest brilliancy	1930 Oct 22 10:24	5° $\overset{\circ}{\curvearrowright}$ 15'54	-4.6m		1933 Mar 27 13:58	0° $\overset{\circ}{\curvearrowright}$	
retrograde	1930 Nov 02 03:50	7° $\overset{\circ}{\curvearrowright}$ 23'16			1933 Apr 20 19:00	0° $\overset{\circ}{\curvearrowright}$	
evening set	1930 Nov 16 23:23	3° $\overset{\circ}{\curvearrowright}$ 06'14					
	1930 Nov 22 07:44	30° $\overset{\circ}{\curvearrowright}$		superior conj	1933 Apr 21 16:20	1° $\overset{\circ}{\curvearrowright}$ 05'56	-1°00'-17
inferior conj	1930 Nov 22 18:16	29° $\overset{\circ}{\curvearrowright}$ 44'02	-2°-35'-21	minimum elong	1933 Apr 22 02:21	1° $\overset{\circ}{\curvearrowright}$ 36'53	0°59'57
minimum elong	1930 Nov 23 00:02	29° $\overset{\circ}{\curvearrowright}$ 35'18	2°33'34	max. Earth dist.	1933 Apr 24 16:17	4° $\overset{\circ}{\curvearrowright}$ 48'13	1.72935 AU
min. Earth dist.	1930 Nov 23 05:18	29° $\overset{\circ}{\curvearrowright}$ 27'19	0.26613 AU		1933 May 15 02:47	0° $\overset{\circ}{\curvearrowright}$	
morning rise	1930 Nov 29 00:08	26° $\overset{\circ}{\curvearrowright}$ 06'09		asc. node	1933 May 19 16:48	5° $\overset{\circ}{\curvearrowright}$ 38'20	
asc. node	1930 Dec 02 21:32	24° $\overset{\circ}{\curvearrowright}$ 14'44		evening rise	1933 May 29 08:12	17° $\overset{\circ}{\curvearrowright}$ 29'13	
direct	1930 Dec 13 06:23	22° $\overset{\circ}{\curvearrowright}$ 01'58			1933 Jun 08 13:01	0° $\overset{\circ}{\curvearrowright}$	
greatest brilliancy	1930 Dec 26 03:37	25° $\overset{\circ}{\curvearrowright}$ 07'15	-4.7m		1933 Jul 03 01:29	0° $\overset{\circ}{\curvearrowright}$	
	1931 Jan 03 20:03	0° $\overset{\circ}{\curvearrowright}$			1933 Jul 27 16:45	0° $\overset{\circ}{\curvearrowright}$	
morning max el	1931 Feb 01 22:10	25° $\overset{\circ}{\curvearrowright}$ 17'24	46°55'17		1933 Aug 21 12:23	0° $\overset{\circ}{\curvearrowright}$	
	1931 Feb 06 12:25	0° $\overset{\circ}{\curvearrowright}$		desc. node	1933 Sep 08 06:09	21° $\overset{\circ}{\curvearrowright}$ 14'42	
	1931 Mar 05 21:46	0° $\approx$			1933 Sep 15 14:54	0° $\overset{\circ}{\curvearrowright}$	
desc. node	1931 Mar 24 11:10	21° $\approx$ 24'46			1933 Oct 11 04:32	0° $\overset{\circ}{\curvearrowright}$	
	1931 Mar 31 19:04	0° $\overset{\circ}{\curvearrowright}$			1933 Nov 06 16:02	0° $\overset{\circ}{\curvearrowright}$	
	1931 Apr 26 02:10	0° $\overset{\circ}{\curvearrowright}$		evening max el	1933 Nov 25 15:04	20° $\overset{\circ}{\curvearrowright}$ 07'23	47°16'58
	1931 May 21 02:38	0° $\overset{\circ}{\curvearrowright}$			1933 Dec 05 18:00	0° $\approx$	
	1931 Jun 14 23:04	0° $\overset{\circ}{\curvearrowright}$		asc. node	1933 Dec 30 09:23	18° $\approx$ 57'20	
	1931 Jul 09 15:35	0° $\overset{\circ}{\curvearrowright}$		greatest brilliancy	1934 Jan 02 21:47	20° $\approx$ 41'17	-4.7m
asc. node	1931 Jul 15 14:25	7° $\overset{\circ}{\curvearrowright}$ 16'04		retrograde	1934 Jan 15 11:45	23° $\approx$ 38'34	
morning set	1931 Aug 02 15:40	29° $\overset{\circ}{\curvearrowright}$ 23'38		evening set	1934 Jan 31 20:23	18° $\approx$ 20'10	
	1931 Aug 03 03:29	0° $\overset{\circ}{\curvearrowright}$		min. Earth dist.	1934 Feb 04 06:45	16° $\approx$ 15'00	0.27091 AU
	1931 Aug 27 10:42	0° $\overset{\circ}{\curvearrowright}$		inferior conj	1934 Feb 05 04:23	15° $\approx$ 41'22	7°46'55
max. Earth dist.	1931 Sep 04 20:54	10° $\overset{\circ}{\curvearrowright}$ 26'49	1.72627 AU	minimum elong	1934 Feb 04 19:27	15° $\approx$ 55'15	7°45'34
				morning rise	1934 Feb 08 18:54	13° $\approx$ 29'22	
superior conj	1931 Sep 08 04:11	14° $\overset{\circ}{\curvearrowright}$ 33'02	1°24'48	direct	1934 Feb 25 17:42	7° $\approx$ 56'15	
minimum elong	1931 Sep 08 03:33	14° $\overset{\circ}{\curvearrowright}$ 31'03	1°24'48	greatest brilliancy	1934 Mar 08 07:05	10° $\approx$ 01'17	-4.6m
	1931 Sep 20 14:15	0° $\overset{\circ}{\curvearrowright}$			1934 Apr 06 09:23	0° $\overset{\circ}{\curvearrowright}$	
	1931 Oct 14 15:45	0° $\overset{\circ}{\curvearrowright}$		morning max el	1934 Apr 16 08:33	9° $\overset{\circ}{\curvearrowright}$ 22'33	46°17'29
evening rise	1931 Oct 15 20:13	1° $\overset{\circ}{\curvearrowright}$ 28'53		desc. node	1934 Apr 20 22:49	13° $\overset{\circ}{\curvearrowright}$ 56'00	
desc. node	1931 Nov 04 03:57	25° $\overset{\circ}{\curvearrowright}$ 36'01			1934 May 06 08:54	0° $\overset{\circ}{\curvearrowright}$	
	1931 Nov 07 16:32	0° $\overset{\circ}{\curvearrowright}$			1934 Jun 02 10:11	0° $\overset{\circ}{\curvearrowright}$	
	1931 Dec 01 17:29	0° $\overset{\circ}{\curvearrowright}$			1934 Jun 28 09:38	0° $\overset{\circ}{\curvearrowright}$	
	1931 Dec 25 19:44	0° $\approx$			1934 Jul 23 18:22	0° $\overset{\circ}{\curvearrowright}$	
	1932 Jan 19 01:52	0° $\overset{\circ}{\curvearrowright}$		asc. node	1934 Aug 12 02:18	23° $\overset{\circ}{\curvearrowright}$ 15'12	
	1932 Feb 12 16:58	0° $\overset{\circ}{\curvearrowright}$			1934 Aug 17 15:45	0° $\overset{\circ}{\curvearrowright}$	
asc. node	1932 Feb 25 07:09	15° $\overset{\circ}{\curvearrowright}$ 02'00			1934 Sep 11 03:32	0° $\overset{\circ}{\curvearrowright}$	
	1932 Mar 09 02:07	0° $\overset{\circ}{\curvearrowright}$			1934 Oct 05 07:56	0° $\overset{\circ}{\curvearrowright}$	
	1932 Apr 05 00:19	0° $\overset{\circ}{\curvearrowright}$		morning set	1934 Oct 11 01:29	7° $\overset{\circ}{\curvearrowright}$ 09'07	
evening max el	1932 Apr 19 19:45	15° $\overset{\circ}{\curvearrowright}$ 07'39	45°42'14		1934 Oct 29 07:37	0° $\overset{\circ}{\curvearrowright}$	
	1932 May 06 09:04	0° $\overset{\circ}{\curvearrowright}$		max. Earth dist.	1934 Nov 17 11:08	24° $\overset{\circ}{\curvearrowright}$ 02'20	1.71276 AU
greatest brilliancy	1932 May 24 01:40	11° $\overset{\circ}{\curvearrowright}$ 41'41	-4.5m				
retrograde	1932 Jun 07 17:35	15° $\overset{\circ}{\curvearrowright}$ 26'13		superior conj	1934 Nov 19 00:19	25° $\overset{\circ}{\curvearrowright}$ 59'08	0°29'40
desc. node	1932 Jun 15 20:27	14° $\overset{\circ}{\curvearrowright}$ 07'14		minimum elong	1934 Nov 19 07:25	26° $\overset{\circ}{\curvearrowright}$ 21'26	0°29'19

	1934 Nov 22 04:59	0°♊		greatest brilliancy	1937 May 21 09:06	22°♍03'28	-4.5m
desc. node	1934 Dec 01 15:42	11°♊52'28			1937 Jun 04 06:41	0°♋	
	1934 Dec 16 01:39	0°♋		morning max el	1937 Jun 27 01:52	19°♋19'28	45°45'01
evening rise	1934 Dec 30 04:30	17°♋44'34			1937 Jul 07 21:13	0°♌	
	1935 Jan 08 22:44	0°♌			1937 Aug 04 20:14	0°♍	
	1935 Feb 01 21:36	0°♌			1937 Aug 31 00:08	0°♎	
	1935 Feb 26 00:30	0°♍		asc. node	1937 Sep 08 14:15	10°♎08'03	
asc. node	1935 Mar 22 10:29	0°♋			1937 Sep 25 04:03	0°♏	
	1935 Mar 24 19:09	2°♋52'25			1937 Oct 19 16:33	0°♐	
	1935 Apr 16 07:37	0°♌			1937 Nov 12 19:43	0°♑	
	1935 May 11 22:01	0°♍			1937 Dec 06 18:06	0°♒	
	1935 Jun 07 19:11	0°♎		morning set	1937 Dec 24 08:52	22°♒08'44	
evening max el	1935 Jun 30 11:13	23°♎09'22	45°26'13	desc. node	1937 Dec 29 03:30	28°♒09'14	
	1935 Jul 07 20:33	0°♏			1937 Dec 30 14:42	0°♓	
desc. node	1935 Jul 14 08:20	5°♏35'26			1938 Jan 23 11:16	0°♈	
greatest brilliancy	1935 Aug 06 04:12	20°♏15'39	-4.5m				
retrograde	1935 Aug 18 01:41	22°♏46'09		superior conj	1938 Feb 04 04:04	14°♈41'48	-1°-13'-50
evening set	1935 Sep 05 02:44	16°♏45'40		minimum elong	1938 Feb 03 17:27	14°♈08'29	1°13'35
inferior conj	1935 Sep 08 08:48	14°♏46'25	-8°-42'-7	max. Earth dist.	1938 Feb 07 04:42	18°♈29'37	1.71379 AU
minimum elong	1935 Sep 08 07:55	14°♏47'47	8°42'07		1938 Feb 16 09:00	0°♉	
min. Earth dist.	1935 Sep 08 23:27	14°♏23'43	0.28448 AU		1938 Mar 12 09:20	0°♊	
morning rise	1935 Sep 11 12:52	12°♏49'30		evening rise	1938 Mar 16 17:43	5°♊24'41	
direct	1935 Sep 29 17:46	6°♏35'59			1938 Apr 05 13:46	0°♋	
greatest brilliancy	1935 Oct 14 05:01	10°♏19'22	-4.6m	asc. node	1938 Apr 21 07:00	19°♋21'08	
asc. node	1935 Nov 04 11:41	25°♏18'21			1938 Apr 29 23:35	0°♌	
	1935 Nov 09 16:34	0°♐			1938 May 24 15:56	0°♍	
morning max el	1935 Nov 19 01:41	9°♐07'24	46°41'17		1938 Jun 18 16:37	0°♎	
	1935 Dec 08 14:36	0°♑			1938 Jul 14 05:44	0°♏	
	1936 Jan 03 14:16	0°♒			1938 Aug 09 16:26	0°♐	
	1936 Jan 28 14:00	0°♓		desc. node	1938 Aug 10 20:14	1°♐16'43	
	1936 Feb 22 04:14	0°♈			1938 Sep 07 01:36	0°♑	
desc. node	1936 Feb 24 01:15	2°♈17'55		evening max el	1938 Sep 11 01:53	3°♑56'03	46°19'25
	1936 Mar 17 14:53	0°♉			1938 Oct 13 18:49	0°♒	
	1936 Apr 11 00:41	0°♊		greatest brilliancy	1938 Oct 19 22:02	2°♒48'54	-4.6m
	1936 May 05 10:53	0°♋		retrograde	1938 Oct 30 16:22	4°♒56'24	
morning set	1936 May 23 16:42	22°♋23'09		evening set	1938 Nov 14 13:51	0°♓36'14	
	1936 May 29 21:39	0°♌			1938 Nov 15 16:07	30°♓	
asc. node	1936 Jun 16 04:38	21°♌13'00		inferior conj	1938 Nov 20 06:30	27°♓16'46	-2°-58'-23
	1936 Jun 23 08:16	0°♍		minimum elong	1938 Nov 20 13:02	27°♓06'51	2°56'24
max. Earth dist.	1936 Jun 28 03:57	5°♍55'15	1.73586 AU	min. Earth dist.	1938 Nov 20 18:30	26°♓58'33	0.26655 AU
				morning rise	1938 Nov 26 11:45	23°♓39'52	
superior conj	1936 Jun 29 09:43	7°♍26'41	0°30'44	asc. node	1938 Dec 01 23:33	21°♓11'03	
minimum elong	1936 Jun 29 03:49	7°♍08'35	0°30'28	direct	1938 Dec 10 19:52	19°♓34'04	
	1936 Jul 17 17:51	0°♎		greatest brilliancy	1938 Dec 23 18:06	22°♓41'11	-4.7m
evening rise	1936 Aug 04 05:23	21°♎32'07			1939 Jan 04 21:48	0°♏	
	1936 Aug 11 02:11	0°♏		morning max el	1939 Jan 30 12:43	22°♏54'55	46°55'51
	1936 Sep 04 10:02	0°♐			1939 Feb 06 09:20	0°♓	
	1936 Sep 28 18:36	0°♑			1939 Mar 05 13:29	0°♈	
desc. node	1936 Oct 05 18:02	8°♑34'32		desc. node	1939 Mar 23 13:06	20°♈49'25	
	1936 Oct 23 05:00	0°♒			1939 Mar 31 08:34	0°♉	
	1936 Nov 16 18:36	0°♓			1939 Apr 25 14:28	0°♊	
	1936 Dec 11 14:51	0°♈			1939 May 20 14:13	0°♋	
	1937 Jan 06 03:18	0°♉			1939 Jun 14 10:11	0°♌	
asc. node	1937 Jan 26 21:21	23°♉06'40			1939 Jul 09 02:25	0°♍	
	1937 Feb 02 10:39	0°♊		asc. node	1939 Jul 14 16:32	6°♍49'31	
evening max el	1937 Feb 05 08:15	2°♊57'49	46°50'14	morning set	1939 Jul 31 09:31	27°♍18'07	
	1937 Mar 09 13:19	0°♋			1939 Aug 02 14:11	0°♎	
greatest brilliancy	1937 Mar 13 15:53	2°♋11'32	-4.6m		1939 Aug 26 21:24	0°♏	
retrograde	1937 Mar 27 19:06	5°♋50'01		max. Earth dist.	1939 Sep 02 12:55	8°♏14'20	1.72677 AU
evening set	1937 Apr 13 14:21	0°♌20'50					
	1937 Apr 14 04:19	30°♍		superior conj	1939 Sep 05 21:14	12°♏23'34	1°24'36
inferior conj	1937 Apr 18 01:13	27°♍35'45	6°27'56	minimum elong	1939 Sep 05 19:52	12°♏19'22	1°24'36
minimum elong	1937 Apr 18 11:03	27°♍20'14	6°25'58		1939 Sep 20 01:02	0°♐	
min. Earth dist.	1937 Apr 18 00:17	27°♍37'13	0.28465 AU	evening rise	1939 Oct 13 10:09	29°♐08'26	
morning rise	1937 Apr 23 07:58	24°♍21'54			1939 Oct 14 02:41	0°♑	
direct	1937 May 09 05:56	19°♍26'22		desc. node	1939 Nov 03 05:53	25°♑07'24	
desc. node	1937 May 18 10:31	20°♍58'54			1939 Nov 07 03:41	0°♒	

	1939 Dec 01 04:52	0°☾			1942 Jun 27 22:18	0°☿	
	1939 Dec 25 07:25	0°♊			1942 Jul 23 06:10	0°♋	
	1940 Jan 18 14:00	0°♌	asc. node		1942 Aug 11 04:24	22°♌46'58	
asc. node	1940 Feb 12 05:51	0°♍			1942 Aug 17 03:04	0°♎	
	1940 Feb 24 09:13	14°♍28'25			1942 Sep 10 14:38	0°♏	
	1940 Mar 08 16:25	0°♐			1942 Oct 04 18:58	0°♐	
evening max el	1940 Apr 04 18:10	0°♑	morning set		1942 Oct 08 16:31	4°♐51'49	
	1940 Apr 17 12:21	12°♑58'14 45°44'05			1942 Oct 28 18:40	0°♒	
	1940 May 06 18:47	0°♓	max. Earth dist.		1942 Nov 14 18:24	21°♒19'30 1.71314 AU	
greatest brilliancy	1940 May 21 18:40	9°♓34'25 -4.5m					
retrograde	1940 Jun 05 10:05	13°♓18'16	superior conj		1942 Nov 16 12:09	23°♒30'35 0°33'12	
desc. node	1940 Jun 14 22:28	11°♓30'22	minimum elong		1942 Nov 16 19:55	23°♒55'00 0°32'50	
evening set	1940 Jun 20 12:02	8°♓54'08			1942 Nov 21 16:07	0°♈	
inferior conj	1940 Jun 26 21:13	5°♓04'11 -2°-46'-1	desc. node		1942 Nov 30 17:49	11°♈24'01	
minimum elong	1940 Jun 26 15:22	5°♓13'21 2°44'24			1942 Dec 15 12:53	0°♉	
min. Earth dist.	1940 Jun 26 18:22	5°♓08'38 0.28978 AU	evening rise		1942 Dec 27 14:31	15°♉09'53	
morning rise	1940 Jul 02 18:50	1°♓30'35			1943 Jan 08 10:03	0°♊	
	1940 Jul 05 16:17	30°♑			1943 Feb 01 09:02	0°♋	
direct	1940 Jul 18 13:13	26°♑47'07			1943 Feb 25 12:04	0°♌	
	1940 Aug 01 02:20	0°♓			1943 Mar 21 22:24	0°♍	
greatest brilliancy	1940 Aug 01 05:38	0°♓03'42 -4.5m	asc. node		1943 Mar 23 21:06	2°♍22'01	
morning max el	1940 Sep 05 13:53	26°♓56'28 45°56'55			1943 Apr 15 20:12	0°♑	
	1940 Sep 08 16:59	0°♒			1943 May 11 11:56	0°♓	
asc. node	1940 Oct 06 01:59	29°♒06'07			1943 Jun 07 12:09	0°♒	
	1940 Oct 06 21:10	0°♑	evening max el		1943 Jun 28 01:24	20°♒54'09 45°25'41	
	1940 Nov 01 17:24	0°♐			1943 Jul 07 23:56	0°♑	
	1940 Nov 26 12:32	0°♒	desc. node		1943 Jul 13 10:31	4°♑34'15	
	1940 Dec 20 19:36	0°♈	greatest brilliancy		1943 Aug 03 15:26	17°♑58'36 -4.5m	
	1941 Jan 13 21:29	0°♉	retrograde		1943 Aug 15 16:37	20°♑33'09	
desc. node	1941 Jan 25 15:26	14°♉40'27	evening set		1943 Sep 02 16:17	14°♑34'03	
	1941 Feb 06 21:49	0°♊	inferior conj		1943 Sep 06 00:05	12°♑32'22 -8°-40'-18	
	1941 Mar 02 22:33	0°♋	minimum elong		1943 Sep 05 22:22	12°♑35'01 8°40'17	
morning set	1941 Mar 11 07:57	10°♋27'28	min. Earth dist.		1943 Sep 06 13:52	12°♑11'02 0.28500 AU	
	1941 Mar 27 00:58	0°♌	morning rise		1943 Sep 09 04:13	10°♑35'29	
			direct		1943 Sep 27 09:15	4°♑21'04	
superior conj	1941 Apr 19 07:34	28°♌50'59 -1°-2'-43	greatest brilliancy		1943 Oct 11 22:19	8°♑06'20 -4.6m	
minimum elong	1941 Apr 19 17:38	29°♌22'08 1°02'24	asc. node		1943 Nov 03 13:46	24°♑17'36	
	1941 Apr 20 05:53	0°♍			1943 Nov 09 18:25	0°♐	
max. Earth dist.	1941 Apr 22 11:58	2°♍47'09 1.72883 AU	morning max el		1943 Nov 16 16:36	6°♐47'53 46°39'52	
	1941 May 14 13:36	0°♑			1943 Dec 08 07:45	0°♒	
asc. node	1941 May 18 18:53	5°♑11'27			1944 Jan 03 04:43	0°♈	
evening rise	1941 May 27 01:50	15°♑22'41			1944 Jan 28 03:11	0°♉	
	1941 Jun 07 23:53	0°♓			1944 Feb 21 16:40	0°♊	
	1941 Jul 02 12:33	0°♒	desc. node		1944 Feb 23 03:15	1°♊46'05	
	1941 Jul 27 04:12	0°♑			1944 Mar 17 02:46	0°♋	
	1941 Aug 21 00:29	0°♐			1944 Apr 10 12:09	0°♌	
desc. node	1941 Sep 07 08:06	20°♐42'35			1944 May 04 22:04	0°♍	
	1941 Sep 15 04:01	0°♒	morning set		1944 May 21 09:54	20°♍14'44	
	1941 Oct 10 19:21	0°♈			1944 May 29 08:39	0°♑	
	1941 Nov 06 10:17	0°♉	asc. node		1944 Jun 15 06:46	20°♑45'58	
evening max el	1941 Nov 23 04:55	17°♉42'23 47°16'05			1944 Jun 22 19:12	0°♓	
	1941 Dec 05 23:04	0°♊	max. Earth dist.		1944 Jun 26 01:27	4°♓00'22 1.73592 AU	
asc. node	1941 Dec 29 11:32	17°♊17'56					
greatest brilliancy	1941 Dec 31 13:55	18°♊17'14 -4.7m	superior conj		1944 Jun 27 03:57	5°♓21'46 0°27'47	
retrograde	1942 Jan 13 00:41	21°♊11'14	minimum elong		1944 Jun 26 22:32	5°♓05'08 0°27'31	
evening set	1942 Jan 29 05:43	15°♊59'36			1944 Jul 17 04:47	0°♒	
min. Earth dist.	1942 Feb 01 20:14	13°♊48'29 0.27034 AU	evening rise		1944 Aug 02 00:07	19°♒28'08	
inferior conj	1942 Feb 02 17:32	13°♊15'23 7°35'30			1944 Aug 10 13:13	0°♑	
minimum elong	1942 Feb 02 08:08	13°♊29'59 7°33'56			1944 Sep 03 21:16	0°♐	
morning rise	1942 Feb 06 10:54	10°♊59'03			1944 Sep 28 06:12	0°♒	
direct	1942 Feb 23 06:02	5°♊31'09	desc. node		1944 Oct 04 20:03	8°♒04'46	
greatest brilliancy	1942 Mar 05 20:36	7°♊36'53 -4.6m			1944 Oct 22 17:07	0°♈	
	1942 Apr 06 13:14	0°♋			1944 Nov 16 07:26	0°♉	
morning max el	1942 Apr 13 20:54	6°♋58'17 46°19'05			1944 Dec 11 04:47	0°♊	
desc. node	1942 Apr 20 00:50	13°♋07'12			1945 Jan 05 19:18	0°♋	
	1942 May 06 02:26	0°♌	asc. node		1945 Jan 25 23:21	22°♋20'05	
	1942 Jun 02 00:26	0°♍			1945 Feb 02 08:07	0°♌	

evening max el	1945 Feb 02 23:14	0° Υ 38'23	46°52'25	morning set	1947 Jul 29 03:13	25° Θ 11'30	
greatest brilliancy	1945 Mar 11 07:39	29° Υ 55'39	-4.6m		1947 Aug 02 01:06	0° Ω	
	1945 Mar 11 11:17	0° $\mathcal{B}$			1947 Aug 26 08:17	0° $\mathfrak{M}$	
retrograde	1945 Mar 25 11:24	3° $\mathcal{B}$ 34'51		max. Earth dist.	1947 Aug 31 04:26	5° $\mathfrak{M}$ 59'52	1.72725 AU
	1945 Apr 07 19:15	30° Υ					
evening set	1945 Apr 11 08:47	28° Υ 01'07		superior conj	1947 Sep 03 14:23	10° $\mathfrak{M}$ 14'01	1°24'18
inferior conj	1945 Apr 15 16:44	25° Υ 20'33	6°41'48	minimum elong	1947 Sep 03 12:21	10° $\mathfrak{M}$ 07'40	1°24'18
minimum elong	1945 Apr 16 02:29	25° Υ 05'11	6°39'57		1947 Sep 19 12:01	0° $\underline{\Omega}$	
min. Earth dist.	1945 Apr 15 15:09	25° Υ 23'02	0.28435 AU	evening rise	1947 Oct 11 00:25	26° $\underline{\Omega}$ 48'34	
morning rise	1945 Apr 20 20:25	22° Υ 11'29			1947 Oct 13 13:49	0° $\mathfrak{M}$	
direct	1945 May 06 21:03	17° Υ 11'36		desc. node	1947 Nov 02 08:02	24° $\mathfrak{M}$ 38'57	
desc. node	1945 May 17 12:38	19° Υ 14'53			1947 Nov 06 14:59	0° $\mathcal{A}$	
greatest brilliancy	1945 May 18 22:53	19° Υ 48'02	-4.5m		1947 Nov 30 16:23	0° $\mathcal{C}$	
	1945 Jun 04 22:58	0° $\mathcal{B}$			1947 Dec 24 19:13	0° $\approx$	
morning max el	1945 Jun 24 18:16	17° $\mathcal{B}$ 09'29	45°45'30		1948 Jan 18 02:14	0° $\mathcal{H}$	
	1945 Jul 07 16:20	0° $\mathfrak{I}$			1948 Feb 11 18:51	0° Υ	
	1945 Aug 04 10:59	0° Θ		asc. node	1948 Feb 23 11:09	13° Υ 54'07	
	1945 Aug 30 13:05	0° Ω			1948 Mar 08 06:59	0° $\mathcal{B}$	
asc. node	1945 Sep 07 16:09	9° Ω 36'18			1948 Apr 04 12:40	0° $\mathfrak{I}$	
	1945 Sep 24 16:06	0° $\mathfrak{M}$		evening max el	1948 Apr 15 04:01	10° $\mathfrak{I}$ 45'37	45°45'42
	1945 Oct 19 04:09	0° $\underline{\Omega}$			1948 May 07 08:27	0° Θ	
	1945 Nov 12 07:05	0° $\mathfrak{M}$		greatest brilliancy	1948 May 19 11:45	7° Θ 25'56	-4.5m
	1945 Dec 06 05:22	0° $\mathcal{A}$		retrograde	1948 Jun 03 02:01	11° Θ 09'01	
morning set	1945 Dec 21 19:25	19° $\mathcal{A}$ 35'39		desc. node	1948 Jun 14 00:37	8° Θ 47'27	
desc. node	1945 Dec 28 05:38	27° $\mathcal{A}$ 40'39		evening set	1948 Jun 18 03:55	6° Θ 45'53	
	1945 Dec 30 01:56	0° $\mathcal{C}$		inferior conj	1948 Jun 24 13:37	2° Θ 55'04	-2°-27'-12
	1946 Jan 22 22:28	0° $\approx$		minimum elong	1948 Jun 24 08:23	3° Θ 03'17	2°25'43
				min. Earth dist.	1948 Jun 24 11:05	2° Θ 59'02	0.28968 AU
superior conj	1946 Feb 01 14:19	12° $\approx$ 08'10	-1°-11'-43		1948 Jun 29 07:58	30° $\mathfrak{I}$	
minimum elong	1946 Feb 01 03:14	11° $\approx$ 33'20	1°11'25	morning rise	1948 Jun 30 12:57	29° $\mathfrak{I}$ 18'42	
max. Earth dist.	1946 Feb 04 13:26	15° $\approx$ 51'19	1.71348 AU	direct	1948 Jul 16 05:25	24° $\mathfrak{I}$ 38'14	
	1946 Feb 15 20:11	0° $\mathcal{H}$		greatest brilliancy	1948 Jul 29 19:58	27° $\mathfrak{I}$ 52'13	-4.5m
	1946 Mar 11 20:32	0° Υ			1948 Aug 03 02:15	0° Θ	
evening rise	1946 Mar 14 05:47	2° Υ 58'11		morning max el	1948 Sep 03 04:10	24° Θ 41'23	45°55'44
	1946 Apr 05 01:01	0° $\mathcal{B}$			1948 Sep 08 13:40	0° Ω	
asc. node	1946 Apr 20 09:03	18° $\mathcal{B}$ 52'45		asc. node	1948 Oct 05 04:08	28° Ω 28'58	
	1946 Apr 29 10:59	0° $\mathfrak{I}$			1948 Oct 06 12:25	0° $\mathfrak{M}$	
	1946 May 24 03:39	0° Θ			1948 Nov 01 06:42	0° $\underline{\Omega}$	
	1946 Jun 18 05:00	0° Ω			1948 Nov 26 00:55	0° $\mathfrak{M}$	
	1946 Jul 13 19:22	0° $\mathfrak{M}$			1948 Dec 20 07:28	0° $\mathcal{A}$	
	1946 Aug 09 08:34	0° $\underline{\Omega}$			1949 Jan 13 09:01	0° $\mathcal{C}$	
desc. node	1946 Aug 09 22:12	0° $\underline{\Omega}$ 37'25		desc. node	1949 Jan 24 17:25	14° $\mathcal{C}$ 10'56	
	1946 Sep 07 00:16	0° $\mathfrak{M}$			1949 Feb 06 09:05	0° $\approx$	
evening max el	1946 Sep 08 16:25	1° $\mathfrak{M}$ 37'36	46°17'01		1949 Mar 02 09:38	0° $\mathcal{H}$	
	1946 Oct 16 10:45	0° $\mathcal{A}$		morning set	1949 Mar 08 20:26	8° $\mathcal{H}$ 02'31	
greatest brilliancy	1946 Oct 17 10:39	0° $\mathcal{A}$ 23'11	-4.6m		1949 Mar 26 11:54	0° Υ	
retrograde	1946 Oct 28 04:52	2° $\mathcal{A}$ 29'49					
	1946 Nov 08 08:56	30° $\mathfrak{M}$		superior conj	1949 Apr 16 22:48	26° Υ 36'10	-1°-5'-2
evening set	1946 Nov 12 04:46	28° $\mathfrak{M}$ 06'43		minimum elong	1949 Apr 17 08:51	27° Υ 07'15	1°04'44
inferior conj	1946 Nov 17 19:01	24° $\mathfrak{M}$ 50'04	-3°-20'-48		1949 Apr 19 16:44	0° $\mathcal{B}$	
minimum elong	1946 Nov 18 02:16	24° $\mathfrak{M}$ 39'04	3°18'39	max. Earth dist.	1949 Apr 20 06:47	0° $\mathcal{B}$ 43'27	1.72835 AU
min. Earth dist.	1946 Nov 18 08:00	24° $\mathfrak{M}$ 30'23	0.26695 AU		1949 May 14 00:25	0° $\mathfrak{I}$	
morning rise	1946 Nov 23 23:22	21° $\mathfrak{M}$ 14'15		asc. node	1949 May 17 21:00	4° $\mathfrak{I}$ 44'39	
asc. node	1946 Dec 01 01:38	18° $\mathfrak{M}$ 13'21		evening rise	1949 May 24 19:12	13° $\mathfrak{I}$ 15'17	
direct	1946 Dec 08 09:32	17° $\mathfrak{M}$ 06'56			1949 Jun 07 10:47	0° Θ	
greatest brilliancy	1946 Dec 21 08:11	20° $\mathfrak{M}$ 14'46	-4.7m		1949 Jul 01 23:40	0° Ω	
	1947 Jan 05 16:45	0° $\mathcal{A}$			1949 Jul 26 15:43	0° $\mathfrak{M}$	
morning max el	1947 Jan 28 02:23	20° $\mathcal{A}$ 29'52	46°56'11		1949 Aug 20 12:39	0° $\underline{\Omega}$	
	1947 Feb 06 05:41	0° $\mathcal{C}$		desc. node	1949 Sep 06 10:08	20° $\underline{\Omega}$ 10'37	
	1947 Mar 05 05:09	0° $\approx$			1949 Sep 14 17:12	0° $\mathfrak{M}$	
desc. node	1947 Mar 22 15:08	20° $\approx$ 13'48			1949 Oct 10 10:18	0° $\mathcal{A}$	
	1947 Mar 30 22:14	0° $\mathcal{H}$			1949 Nov 06 04:53	0° $\mathcal{C}$	
	1947 Apr 25 03:03	0° Υ		evening max el	1949 Nov 20 17:48	15° $\mathcal{C}$ 15'18	47°15'11
	1947 May 20 02:06	0° $\mathcal{B}$			1949 Dec 06 06:06	0° $\approx$	
	1947 Jun 13 21:35	0° $\mathfrak{I}$		asc. node	1949 Dec 28 13:34	15° $\approx$ 34'50	
	1947 Jul 08 13:30	0° Θ		greatest brilliancy	1949 Dec 29 05:43	15° $\approx$ 52'57	-4.7m
asc. node	1947 Jul 13 18:34	6° Θ 21'59		retrograde	1950 Jan 10 13:35	18° $\approx$ 44'25	

evening set	1950 Jan 26 15:03	13° $\approx$ 39'08			1952 Jul 16 15:23	0° Ω	
min. Earth dist.	1950 Jan 30 09:51	11° $\approx$ 22'07	0.26978 AU	evening rise	1952 Jul 30 18:58	17° Ω 25'26	
inferior conj	1950 Jan 31 06:40	10° $\approx$ 49'48	7°23'07		1952 Aug 09 23:58	0° $\mathring{\text{M}}$	
minimum elong	1950 Jan 30 20:54	11° $\approx$ 04'58	7°21'22		1952 Sep 03 08:17	0° $\underline{\text{A}}$	
morning rise	1950 Feb 04 03:03	8° $\approx$ 29'07			1952 Sep 27 17:36	0° $\mathring{\text{M}}$	
direct	1950 Feb 20 18:04	3° $\approx$ 06'14		desc. node	1952 Oct 03 22:11	7° $\mathring{\text{M}}$ 35'59	
greatest brilliancy	1950 Mar 03 10:51	5° $\approx$ 13'47	-4.6m		1952 Oct 22 05:02	0° Z	
	1950 Apr 06 15:13	0° X			1952 Nov 15 20:03	0° Z	
morning max el	1950 Apr 11 09:29	4° X 35'05	46°20'47		1952 Dec 10 18:30	0° $\approx$	
desc. node	1950 Apr 19 02:59	12° X 20'13			1953 Jan 05 11:10	0° X	
	1950 May 05 19:19	0° Y		asc. node	1953 Jan 25 01:19	21° X 33'52	
	1950 Jun 01 14:19	0° B		evening max el	1953 Jan 31 14:55	28° X 21'49	46°54'35
	1950 Jun 27 10:45	0° II			1953 Feb 02 05:54	0° Y	
	1950 Jul 22 17:50	0° S		greatest brilliancy	1953 Mar 09 00:17	27° Y 42'01	-4.6m
asc. node	1950 Aug 10 06:20	22° S 18'30			1953 Mar 14 18:58	0° B	
	1950 Aug 16 14:18	0° Ω		retrograde	1953 Mar 23 03:53	1° B 20'35	
	1950 Sep 10 01:37	0° $\mathring{\text{M}}$			1953 Mar 31 05:17	30° Y	
	1950 Oct 04 05:51	0° $\underline{\text{A}}$		evening set	1953 Apr 09 03:18	25° Y 42'31	
morning set	1950 Oct 06 07:30	2° $\underline{\text{A}}$ 34'50		inferior conj	1953 Apr 13 08:15	23° Y 06'18	6°55'09
	1950 Oct 28 05:33	0° $\mathring{\text{M}}$		minimum elong	1953 Apr 13 17:52	22° Y 51'09	6°53'24
max. Earth dist.	1950 Nov 12 05:10	18° $\mathring{\text{M}}$ 48'17	1.71350 AU	min. Earth dist.	1953 Apr 13 05:43	23° Y 10'16	0.28404 AU
				morning rise	1953 Apr 18 08:45	20° Y 02'09	
superior conj	1950 Nov 13 23:59	21° $\mathring{\text{M}}$ 02'44	0°36'40	direct	1953 May 04 12:33	14° Y 58'03	
minimum elong	1950 Nov 14 08:22	21° $\mathring{\text{M}}$ 29'05	0°36'17	greatest brilliancy	1953 May 16 11:41	17° Y 32'33	-4.5m
	1950 Nov 21 03:03	0° Z		desc. node	1953 May 16 14:40	17° Y 35'35	
desc. node	1950 Nov 29 19:53	10° Z 56'01			1953 Jun 05 10:34	0° B	
	1950 Dec 14 23:54	0° Z		morning max el	1953 Jun 22 10:39	15° B 00'37	45°46'01
evening rise	1950 Dec 25 00:41	12° Z 36'21			1953 Jul 07 10:30	0° II	
	1951 Jan 07 21:10	0° $\approx$			1953 Aug 04 01:08	0° S	
	1951 Jan 31 20:14	0° X			1953 Aug 30 01:35	0° Ω	
	1951 Feb 24 23:26	0° Y		asc. node	1953 Sep 06 18:20	9° Ω 06'33	
	1951 Mar 21 10:05	0° B			1953 Sep 24 03:48	0° $\mathring{\text{M}}$	
asc. node	1951 Mar 22 23:13	1° B 52'52			1953 Oct 18 15:27	0° $\underline{\text{A}}$	
	1951 Apr 15 08:33	0° II			1953 Nov 11 18:12	0° $\mathring{\text{M}}$	
	1951 May 11 01:41	0° S			1953 Dec 05 16:24	0° Z	
	1951 Jun 07 05:10	0° Ω		morning set	1953 Dec 19 05:45	17° Z 02'45	
evening max el	1951 Jun 25 16:08	18° Ω 40'58	45°25'02	desc. node	1953 Dec 27 07:37	27° Z 12'25	
	1951 Jul 08 04:54	0° $\mathring{\text{M}}$			1953 Dec 29 12:53	0° Z	
desc. node	1951 Jul 12 12:26	3° $\mathring{\text{M}}$ 31'25			1954 Jan 22 09:20	0° $\approx$	
greatest brilliancy	1951 Aug 01 02:08	15° $\mathring{\text{M}}$ 41'14	-4.5m				
retrograde	1951 Aug 13 07:51	18° $\mathring{\text{M}}$ 20'05		superior conj	1954 Jan 30 00:17	9° $\approx$ 34'36	-1°-9'-26
evening set	1951 Aug 31 05:19	12° $\mathring{\text{M}}$ 22'56		minimum elong	1954 Jan 29 12:48	8° $\approx$ 58'33	1°09'06
inferior conj	1951 Sep 03 15:08	10° $\mathring{\text{M}}$ 18'16	-8°-37'-45	max. Earth dist.	1954 Feb 01 23:51	13° $\approx$ 19'17	1.71312 AU
minimum elong	1951 Sep 03 12:37	10° $\mathring{\text{M}}$ 22'11	8°37'41		1954 Feb 15 07:01	0° X	
min. Earth dist.	1951 Sep 04 03:48	9° $\mathring{\text{M}}$ 58'41	0.28551 AU		1954 Mar 11 07:22	0° Y	
morning rise	1951 Sep 06 19:42	8° $\mathring{\text{M}}$ 20'54		evening rise	1954 Mar 11 17:43	0° Y 32'14	
direct	1951 Sep 25 00:58	2° $\mathring{\text{M}}$ 06'13			1954 Apr 04 11:55	0° B	
greatest brilliancy	1951 Oct 09 15:12	5° $\mathring{\text{M}}$ 53'08	-4.6m	asc. node	1954 Apr 19 11:11	18° B 25'37	
asc. node	1951 Nov 02 15:51	23° $\mathring{\text{M}}$ 18'36			1954 Apr 28 22:03	0° II	
	1951 Nov 09 18:48	0° $\underline{\text{A}}$			1954 May 23 15:04	0° S	
morning max el	1951 Nov 14 08:07	4° $\underline{\text{A}}$ 30'42	46°38'33		1954 Jun 17 17:04	0° Ω	
	1951 Dec 08 00:19	0° $\mathring{\text{M}}$			1954 Jul 13 08:43	0° $\mathring{\text{M}}$	
	1952 Jan 02 18:44	0° Z			1954 Aug 09 00:34	0° $\underline{\text{A}}$	
	1952 Jan 27 15:58	0° Z		desc. node	1954 Aug 09 00:16	29° $\mathring{\text{M}}$ 59'11	
	1952 Feb 21 04:42	0° $\approx$		evening max el	1954 Sep 06 06:12	29° $\underline{\text{A}}$ 18'23	46°14'22
desc. node	1952 Feb 22 05:14	1° $\approx$ 15'18			1954 Sep 06 23:29	0° $\mathring{\text{M}}$	
	1952 Mar 16 14:18	0° X		greatest brilliancy	1954 Oct 14 23:53	27° $\mathring{\text{M}}$ 58'53	-4.6m
	1952 Apr 09 23:17	0° Y			1954 Oct 23 22:07	0° Z	
	1952 May 04 08:55	0° B		retrograde	1954 Oct 25 16:36	0° Z 03'39	
morning set	1952 May 19 03:17	18° B 07'51			1954 Oct 27 10:42	30° $\mathring{\text{M}}$	
	1952 May 28 19:19	0° II		evening set	1954 Nov 09 19:41	25° $\mathring{\text{M}}$ 37'25	
asc. node	1952 Jun 14 08:46	20° II 19'38		inferior conj	1954 Nov 15 07:26	22° $\mathring{\text{M}}$ 23'51	-3°-42'-56
	1952 Jun 22 05:46	0° S		minimum elong	1954 Nov 15 15:19	22° $\mathring{\text{M}}$ 11'50	3°40'38
max. Earth dist.	1952 Jun 24 00:50	2° S 12'16	1.73598 AU	min. Earth dist.	1954 Nov 15 21:38	22° $\mathring{\text{M}}$ 02'13	0.26742 AU
				morning rise	1954 Nov 21 10:32	18° $\mathring{\text{M}}$ 49'12	
superior conj	1952 Jun 24 22:17	3° S 18'10	0°24'47	asc. node	1954 Nov 30 03:39	15° $\mathring{\text{M}}$ 21'18	
minimum elong	1952 Jun 24 17:23	3° S 03'07	0°24'33	direct	1954 Dec 05 22:39	14° $\mathring{\text{M}}$ 40'02	

greatest brilliancy	1954 Dec 18 22:43	17° $\mathbb{M}$ 49'00	-4.7m		1957 Jul 01 10:42	0° Ω	
	1955 Jan 06 06:48	0° $\mathcal{A}$			1957 Jul 26 03:10	0° $\mathbb{M}$	
morning max el	1955 Jan 25 15:06	18° $\mathcal{A}$ 02'37	46°56'36		1957 Aug 20 00:44	0° $\underline{\mathcal{A}}$	
	1955 Feb 06 01:15	0° $\mathcal{C}$		desc. node	1957 Sep 05 12:17	19° $\underline{\mathcal{A}}$ 39'17	
	1955 Mar 04 20:22	0° $\approx$			1957 Sep 14 06:20	0° $\mathbb{M}$	
desc. node	1955 Mar 21 17:19	19° $\approx$ 39'41			1957 Oct 10 01:16	0° $\mathcal{A}$	
	1955 Mar 30 11:30	0° $\mathcal{H}$			1957 Nov 05 23:46	0° $\mathcal{C}$	
	1955 Apr 24 15:13	0° $\mathcal{Y}$		evening max el	1957 Nov 18 06:36	12° $\mathcal{C}$ 48'43	47°14'14
	1955 May 19 13:35	0° $\mathcal{B}$			1957 Dec 06 15:26	0° $\approx$	
	1955 Jun 13 08:38	0° $\mathbb{I}$		greatest brilliancy	1957 Dec 26 20:24	13° $\approx$ 27'35	-4.7m
	1955 Jul 08 00:15	0° $\mathcal{S}$		asc. node	1957 Dec 27 15:31	13° $\approx$ 47'57	
asc. node	1955 Jul 12 20:34	5° $\mathcal{S}$ 55'17		retrograde	1958 Jan 08 02:47	16° $\approx$ 17'59	
morning set	1955 Jul 26 21:11	23° $\mathcal{S}$ 06'39		evening set	1958 Jan 24 00:21	11° $\approx$ 18'27	
	1955 Aug 01 11:43	0° Ω		min. Earth dist.	1958 Jan 27 23:17	8° $\approx$ 55'54	0.26930 AU
	1955 Aug 25 18:52	0° $\mathbb{M}$		inferior conj	1958 Jan 28 19:47	8° $\approx$ 24'11	7°09'41
max. Earth dist.	1955 Aug 28 20:42	3° $\mathbb{M}$ 48'43	1.72773 AU	minimum elong	1958 Jan 28 09:42	8° $\approx$ 39'47	7°07'46
				morning rise	1958 Feb 01 19:20	5° $\approx$ 59'09	
superior conj	1955 Sep 01 07:57	8° $\mathbb{M}$ 06'46	1°23'52	direct	1958 Feb 18 06:17	0° $\approx$ 41'02	
minimum elong	1955 Sep 01 05:14	7° $\mathbb{M}$ 58'19	1°23'51	greatest brilliancy	1958 Mar 01 01:18	2° $\approx$ 50'47	-4.6m
	1955 Sep 18 22:41	0° $\underline{\mathcal{A}}$			1958 Apr 06 16:00	0° $\mathcal{H}$	
evening rise	1955 Oct 08 15:05	24° $\underline{\mathcal{A}}$ 30'59		morning max el	1958 Apr 08 23:02	2° $\mathcal{H}$ 13'51	46°22'26
	1955 Oct 13 00:39	0° $\mathbb{M}$		desc. node	1958 Apr 18 05:00	11° $\mathcal{H}$ 33'19	
desc. node	1955 Nov 01 10:06	24° $\mathbb{M}$ 11'06			1958 May 05 11:59	0° $\mathcal{Y}$	
	1955 Nov 06 02:02	0° $\mathcal{A}$			1958 Jun 01 04:07	0° $\mathcal{B}$	
	1955 Nov 30 03:42	0° $\mathcal{C}$			1958 Jun 26 23:08	0° $\mathbb{I}$	
	1955 Dec 24 06:52	0° $\approx$			1958 Jul 22 05:26	0° $\mathcal{S}$	
	1956 Jan 17 14:22	0° $\mathcal{H}$		asc. node	1958 Aug 09 08:28	21° $\mathcal{S}$ 50'50	
	1956 Feb 11 07:46	0° $\mathcal{Y}$			1958 Aug 16 01:28	0° Ω	
asc. node	1956 Feb 22 13:18	13° $\mathcal{Y}$ 20'42			1958 Sep 09 12:35	0° $\mathbb{M}$	
	1956 Mar 07 21:31	0° $\mathcal{B}$			1958 Oct 03 16:44	0° $\underline{\mathcal{A}}$	
	1956 Apr 04 07:23	0° $\mathbb{I}$		morning set	1958 Oct 03 22:52	0° $\underline{\mathcal{A}}$ 19'08	
evening max el	1956 Apr 12 18:45	8° $\mathbb{I}$ 31'25	45°47'35		1958 Oct 27 16:26	0° $\mathbb{M}$	
	1956 May 08 02:17	0° $\mathcal{S}$		max. Earth dist.	1958 Nov 09 17:50	16° $\mathbb{M}$ 23'00	1.71382 AU
greatest brilliancy	1956 May 17 04:02	5° $\mathcal{S}$ 17'21	-4.5m				
retrograde	1956 May 31 18:04	9° $\mathcal{S}$ 01'05		superior conj	1958 Nov 11 12:20	18° $\mathbb{M}$ 36'29	0°40'02
desc. node	1956 Jun 13 02:35	6° $\mathcal{S}$ 01'47		minimum elong	1958 Nov 11 21:16	19° $\mathbb{M}$ 04'29	0°39'38
evening set	1956 Jun 15 20:03	4° $\mathcal{S}$ 38'21			1958 Nov 20 13:59	0° $\mathcal{A}$	
inferior conj	1956 Jun 22 06:09	0° $\mathcal{S}$ 47'05	-2°-8'-8	desc. node	1958 Nov 28 21:52	10° $\mathcal{A}$ 27'51	
minimum elong	1956 Jun 22 01:33	0° $\mathcal{S}$ 54'18	2°06'50		1958 Dec 14 10:55	0° $\mathcal{C}$	
min. Earth dist.	1956 Jun 22 04:04	0° $\mathcal{S}$ 50'20	0.28958 AU	evening rise	1958 Dec 22 11:19	10° $\mathcal{C}$ 04'24	
	1956 Jun 23 12:10	30° $\mathbb{I}$			1959 Jan 07 08:16	0° $\approx$	
morning rise	1956 Jun 28 07:04	27° $\mathbb{I}$ 08'11			1959 Jan 31 07:28	0° $\mathcal{H}$	
direct	1956 Jul 13 21:20	22° $\mathbb{I}$ 30'16			1959 Feb 24 10:53	0° $\mathcal{Y}$	
greatest brilliancy	1956 Jul 27 11:28	25° $\mathbb{I}$ 43'04	-4.5m		1959 Mar 20 21:55	0° $\mathcal{B}$	
	1956 Aug 04 09:49	0° $\mathcal{S}$		asc. node	1959 Mar 22 01:17	1° $\mathcal{B}$ 23'07	
morning max el	1956 Aug 31 18:43	22° $\mathcal{S}$ 27'48	45°54'44		1959 Apr 14 21:08	0° $\mathbb{I}$	
	1956 Sep 08 09:23	0° Ω			1959 May 10 15:45	0° $\mathcal{S}$	
asc. node	1956 Oct 04 06:11	27° Ω 52'33			1959 Jun 06 22:43	0° Ω	
	1956 Oct 06 03:12	0° $\mathbb{M}$		evening max el	1959 Jun 23 07:50	16° Ω 29'55	45°24'39
	1956 Oct 31 19:40	0° $\underline{\mathcal{A}}$			1959 Jul 08 12:08	0° $\mathbb{M}$	
	1956 Nov 25 13:01	0° $\mathbb{M}$		desc. node	1959 Jul 11 14:31	2° $\mathbb{M}$ 27'06	
	1956 Dec 19 19:07	0° $\mathcal{A}$		greatest brilliancy	1959 Jul 29 13:23	13° $\mathbb{M}$ 24'44	-4.5m
	1957 Jan 12 20:23	0° $\mathcal{C}$		retrograde	1959 Aug 10 23:16	16° $\mathbb{M}$ 07'16	
desc. node	1957 Jan 23 19:29	13° $\mathcal{C}$ 42'08		evening set	1959 Aug 28 18:19	10° $\mathbb{M}$ 12'38	
	1957 Feb 05 20:16	0° $\approx$		inferior conj	1959 Sep 01 06:23	8° $\mathbb{M}$ 04'30	-8°-34'-28
	1957 Mar 01 20:39	0° $\mathcal{H}$		minimum elong	1959 Sep 01 03:06	8° $\mathbb{M}$ 09'35	8°34'19
morning set	1957 Mar 06 08:16	5° $\mathcal{H}$ 35'36		min. Earth dist.	1959 Sep 01 17:41	7° $\mathbb{M}$ 47'01	0.28596 AU
	1957 Mar 25 22:46	0° $\mathcal{Y}$		morning rise	1959 Sep 04 11:41	6° $\mathbb{M}$ 06'02	
					1959 Sep 20 03:01	30° Ω	
superior conj	1957 Apr 14 13:39	24° $\mathcal{Y}$ 20'18	-1°-7'-17	direct	1959 Sep 22 17:15	29° Ω 51'55	
minimum elong	1957 Apr 14 23:36	24° $\mathcal{Y}$ 51'06	1°06'59		1959 Sep 25 08:15	0° $\mathbb{M}$	
max. Earth dist.	1957 Apr 17 23:16	28° $\mathcal{Y}$ 32'48	1.72780 AU	greatest brilliancy	1959 Oct 07 07:10	3° $\mathbb{M}$ 38'55	-4.6m
	1957 Apr 19 03:28	0° $\mathcal{B}$		asc. node	1959 Nov 01 17:51	22° $\mathbb{M}$ 20'29	
	1957 May 13 11:08	0° $\mathbb{I}$			1959 Nov 09 18:11	0° $\underline{\mathcal{A}}$	
asc. node	1957 May 16 22:57	4° $\mathbb{I}$ 17'44		morning max el	1959 Nov 12 00:02	2° $\underline{\mathcal{A}}$ 14'26	46°37'09
evening rise	1957 May 22 12:22	11° $\mathbb{I}$ 07'37			1959 Dec 07 16:41	0° $\mathbb{M}$	
	1957 Jun 06 21:35	0° $\mathcal{S}$			1960 Jan 02 08:43	0° $\mathcal{A}$	

	1960 Jan 27 04:46	0°☾			1962 Sep 07 00:11	0°♌	
	1960 Feb 20 16:47	0°≈		greatest brilliancy	1962 Oct 12 13:55	25°♌35'03	-4.6m
desc. node	1960 Feb 21 07:26	0°≈45'01		retrograde	1962 Oct 23 04:14	27°♌37'36	
	1960 Mar 16 01:53	0°✕		evening set	1962 Nov 07 10:55	23°♌07'49	
	1960 Apr 09 10:32	0°♑		inferior conj	1962 Nov 12 20:06	19°♌57'42	-4°-4'-19
	1960 May 03 19:56	0°♋		minimum elong	1962 Nov 13 04:35	19°♌44'47	4°01'54
morning set	1960 May 16 20:33	15°♋59'58		min. Earth dist.	1962 Nov 13 11:47	19°♌33'49	0.26792 AU
	1960 May 28 06:11	0°♐		morning rise	1962 Nov 18 21:43	16°♌24'30	
asc. node	1960 Jun 13 10:49	19°♐52'47		asc. node	1962 Nov 29 05:42	12°♌34'57	
	1960 Jun 21 16:34	0°☾		direct	1962 Dec 03 11:26	12°♌12'56	
max. Earth dist.	1960 Jun 21 23:55	0°☾22'36	1.73598 AU	greatest brilliancy	1962 Dec 16 14:10	15°♌24'03	-4.7m
					1963 Jan 06 17:35	0°♈	
superior conj	1960 Jun 22 16:24	1°☾13'15	0°21'44	morning max el	1963 Jan 23 03:34	15°♈33'45	46°56'54
minimum elong	1960 Jun 22 12:04	0°☾59'54	0°21'32		1963 Feb 05 20:36	0°☾	
	1960 Jul 16 02:11	0°♏			1963 Mar 04 11:41	0°≈	
evening rise	1960 Jul 28 13:39	15°♏21'45		desc. node	1963 Mar 20 19:15	19°≈04'03	
	1960 Aug 09 10:54	0°♍			1963 Mar 30 01:00	0°✕	
	1960 Sep 02 19:29	0°♌			1963 Apr 24 03:39	0°♑	
	1960 Sep 27 05:13	0°♌			1963 May 19 01:21	0°♋	
desc. node	1960 Oct 03 00:11	7°♌06'11			1963 Jun 12 19:57	0°♐	
	1960 Oct 21 17:12	0°♈			1963 Jul 07 11:18	0°☾	
	1960 Nov 15 08:57	0°☾		asc. node	1963 Jul 11 22:43	5°☾28'10	
	1960 Dec 10 08:34	0°≈		morning set	1963 Jul 24 15:10	21°☾00'54	
	1961 Jan 05 03:31	0°✕			1963 Jul 31 22:38	0°♏	
asc. node	1961 Jan 24 03:31	20°✕47'03			1963 Aug 25 05:49	0°♍	
evening max el	1961 Jan 29 06:53	26°✕05'17	46°56'42	max. Earth dist.	1963 Aug 26 13:57	1°♍39'33	1.72824 AU
	1961 Feb 02 04:46	0°♑					
greatest brilliancy	1961 Mar 06 17:52	25°♑29'12	-4.6m	superior conj	1963 Aug 30 01:30	5°♍58'28	1°23'19
retrograde	1961 Mar 20 20:13	29°♑05'45		minimum elong	1963 Aug 29 22:07	5°♍47'58	1°23'17
evening set	1961 Apr 06 21:53	23°♑23'40			1963 Sep 18 09:43	0°♌	
inferior conj	1961 Apr 10 23:51	20°♑51'40	7°07'47	evening rise	1963 Oct 06 05:47	22°♌12'32	
minimum elong	1961 Apr 11 09:16	20°♑36'49	7°06'09		1963 Oct 12 11:50	0°♌	
min. Earth dist.	1961 Apr 10 20:22	20°♑57'09	0.28371 AU	desc. node	1963 Oct 31 12:03	23°♌41'51	
morning rise	1961 Apr 15 21:00	17°♑52'22			1963 Nov 05 13:25	0°♈	
direct	1961 May 02 04:15	12°♑44'15			1963 Nov 29 15:21	0°☾	
greatest brilliancy	1961 May 13 23:50	15°♑15'40	-4.5m		1963 Dec 23 18:53	0°≈	
desc. node	1961 May 15 16:42	15°♑59'15			1964 Jan 17 02:54	0°✕	
	1961 Jun 05 19:25	0°♋			1964 Feb 10 21:09	0°♑	
morning max el	1961 Jun 20 02:27	12°♋49'31	45°46'26	asc. node	1964 Feb 21 15:21	12°♑45'36	
	1961 Jul 07 04:32	0°♐			1964 Mar 07 12:38	0°♋	
	1961 Aug 03 15:28	0°☾			1964 Apr 04 03:03	0°♐	
	1961 Aug 29 14:18	0°♏		evening max el	1964 Apr 10 09:11	6°♐15'21	45°49'38
asc. node	1961 Sep 05 20:24	8°♏35'42			1964 May 09 03:16	0°☾	
	1961 Sep 23 15:43	0°♍		greatest brilliancy	1964 May 14 19:19	3°☾06'28	-4.5m
	1961 Oct 18 02:58	0°♌		retrograde	1964 May 29 10:29	6°☾52'25	
	1961 Nov 11 05:33	0°♌		desc. node	1964 Jun 12 04:39	3°☾11'26	
	1961 Dec 05 03:40	0°♈		evening set	1964 Jun 13 12:20	2°☾29'34	
morning set	1961 Dec 16 16:10	14°♈29'15			1964 Jun 17 18:17	30°♐	
desc. node	1961 Dec 26 09:41	26°♈43'37		inferior conj	1964 Jun 19 22:40	28°♐38'15	-1°-48'-56
	1961 Dec 29 00:07	0°☾		minimum elong	1964 Jun 19 18:43	28°♐44'26	1°47'49
	1962 Jan 21 20:31	0°≈		min. Earth dist.	1964 Jun 19 20:59	28°♐40'53	0.28949 AU
				morning rise	1964 Jun 26 01:06	24°♐57'12	
superior conj	1962 Jan 27 10:19	7°≈00'18	-1°-6'-59	direct	1964 Jul 11 13:00	20°♐21'23	
minimum elong	1962 Jan 26 22:33	6°≈23'22	1°06'39	greatest brilliancy	1964 Jul 25 03:36	23°♐34'04	-4.5m
max. Earth dist.	1962 Jan 30 08:26	10°≈40'29	1.71274 AU		1964 Aug 05 08:53	0°☾	
	1962 Feb 14 18:09	0°✕		morning max el	1964 Aug 29 10:04	20°☾15'21	45°53'42
evening rise	1962 Mar 09 05:39	28°✕05'21			1964 Sep 08 04:53	0°♏	
	1962 Mar 10 18:28	0°♑		asc. node	1964 Oct 03 08:10	27°♏15'14	
	1962 Apr 03 23:05	0°♋			1964 Oct 05 18:10	0°♍	
asc. node	1962 Apr 18 13:09	17°♋57'13			1964 Oct 31 08:54	0°♌	
	1962 Apr 28 09:23	0°♐			1964 Nov 25 01:25	0°♌	
	1962 May 23 02:46	0°☾			1964 Dec 19 07:02	0°♈	
	1962 Jun 17 05:31	0°♏			1965 Jan 12 08:00	0°☾	
	1962 Jul 12 22:32	0°♍		desc. node	1965 Jan 22 21:37	13°☾12'44	
desc. node	1962 Aug 08 02:25	29°♍19'44			1965 Feb 05 07:41	0°≈	
	1962 Aug 08 17:13	0°♌			1965 Mar 01 07:55	0°✕	
evening max el	1962 Sep 03 19:14	26°♌56'35	46°11'51	morning set	1965 Mar 03 19:49	3°✕06'54	

	1965 Mar 25 09:54	0°Υ		minimum elong	1967 Aug 29 17:38	5°η57'14	8°30'09
				min. Earth dist.	1967 Aug 30 07:40	5°η35'30	0.28636 AU
superior conj	1965 Apr 12 04:21	22°Υ03'04	-1°-9'-25	morning rise	1967 Sep 02 04:00	3°η50'51	
minimum elong	1965 Apr 12 14:10	22°Υ33'27	1°09'09		1967 Sep 09 11:58	30°Ω	
max. Earth dist.	1965 Apr 15 13:37	26°Υ14'34	1.72727 AU	direct	1967 Sep 20 09:34	27°Ω38'09	
	1965 Apr 18 14:31	0°Ϸ			1967 Oct 01 18:07	0°η	
	1965 May 12 22:08	0°Π		greatest brilliancy	1967 Oct 04 21:36	1°η23'06	-4.6m
asc. node	1965 May 16 01:03	3°Π50'22		asc. node	1967 Oct 31 19:56	21°η23'58	
evening rise	1965 May 20 05:28	8°Π58'55			1967 Nov 09 16:32	0°Ω	
	1965 Jun 06 08:39	0°Ϸ		morning max el	1967 Nov 09 15:17	29°η56'50	46°35'34
	1965 Jun 30 21:59	0°Ω			1967 Dec 07 08:48	0°η	
	1965 Jul 25 14:51	0°η			1968 Jan 01 22:37	0°Ϸ	
	1965 Aug 19 13:06	0°Ω			1968 Jan 26 17:35	0°Ϸ	
desc. node	1965 Sep 04 14:14	19°Ω06'23			1968 Feb 20 04:55	0°≈	
	1965 Sep 13 19:50	0°η		desc. node	1968 Feb 20 09:23	0°≈13'44	
	1965 Oct 09 16:46	0°Ϸ			1968 Mar 15 13:32	0°Ϸ	
	1965 Nov 05 19:36	0°Ϸ			1968 Apr 08 21:48	0°Υ	
evening max el	1965 Nov 15 20:12	10°Ϸ23'16	47°13'13		1968 May 03 06:56	0°Ϸ	
	1965 Dec 07 04:37	0°≈		morning set	1968 May 14 13:30	13°Ϸ51'08	
greatest brilliancy	1965 Dec 24 10:14	10°≈59'49	-4.7m		1968 May 27 17:02	0°Π	
asc. node	1965 Dec 26 17:42	11°≈55'36		asc. node	1968 Jun 12 12:55	19°Π26'11	
retrograde	1966 Jan 05 16:21	13°≈49'56		max. Earth dist.	1968 Jun 19 22:24	28°Π31'07	1.73596 AU
evening set	1966 Jan 21 09:29	8°≈55'56					
min. Earth dist.	1966 Jan 25 12:11	6°≈28'23	0.26881 AU	superior conj	1968 Jun 20 10:22	29°Π07'51	0°18'39
inferior conj	1966 Jan 26 08:37	5°≈56'51	6°55'17	minimum elong	1968 Jun 20 06:36	28°Π56'16	0°18'28
minimum elong	1966 Jan 25 22:18	6°≈12'46	6°53'12		1968 Jun 21 03:20	0°Ϸ	
morning rise	1966 Jan 30 11:27	3°≈27'31			1968 Jul 15 12:59	0°Ω	
	1966 Feb 06 12:46	30°Ϸ		evening rise	1968 Jul 26 08:20	13°Ω18'03	
direct	1966 Feb 15 18:41	28°Ϸ14'16			1968 Aug 08 21:49	0°η	
	1966 Feb 25 10:55	0°≈			1968 Sep 02 06:39	0°Ω	
greatest brilliancy	1966 Feb 26 14:39	0°≈25'24	-4.6m		1968 Sep 26 16:45	0°η	
morning max el	1966 Apr 06 13:18	29°≈53'38	46°24'02	desc. node	1968 Oct 02 02:13	6°η36'46	
	1966 Apr 06 15:53	0°Ϸ			1968 Oct 21 05:16	0°Ϸ	
desc. node	1966 Apr 17 07:02	10°Ϸ46'31			1968 Nov 14 21:48	0°Ϸ	
	1966 May 05 04:33	0°Υ			1968 Dec 09 22:40	0°≈	
	1966 May 31 18:00	0°Ϸ			1969 Jan 04 20:07	0°Ϸ	
	1966 Jun 26 11:40	0°Π		asc. node	1969 Jan 23 05:29	19°Ϸ58'45	
	1966 Jul 21 17:11	0°Ϸ		evening max el	1969 Jan 26 22:18	23°Ϸ47'01	46°58'31
asc. node	1966 Aug 08 10:33	21°Ϸ22'30			1969 Feb 02 04:45	0°Υ	
	1966 Aug 15 12:47	0°Ω		greatest brilliancy	1969 Mar 04 12:08	23°Υ16'24	-4.6m
	1966 Sep 08 23:40	0°η		retrograde	1969 Mar 18 11:49	26°Υ49'42	
morning set	1966 Oct 01 14:24	28°η03'39		evening set	1969 Apr 04 16:11	21°Υ03'57	
	1966 Oct 03 03:44	0°Ω		inferior conj	1969 Apr 08 15:10	18°Υ36'08	7°19'50
	1966 Oct 27 03:28	0°η		minimum elong	1969 Apr 09 00:19	18°Υ21'42	7°18'22
max. Earth dist.	1966 Nov 07 05:24	13°η53'52	1.71420 AU	min. Earth dist.	1969 Apr 08 11:02	18°Υ42'40	0.28334 AU
				morning rise	1969 Apr 13 08:49	15°Υ41'45	
superior conj	1966 Nov 09 00:40	16°η09'39	0°43'19	direct	1969 Apr 29 19:20	10°Υ29'39	
minimum elong	1966 Nov 09 10:01	16°η39'01	0°42'54	greatest brilliancy	1969 May 11 11:47	12°Υ57'57	-4.5m
	1966 Nov 20 01:06	0°Ϸ		desc. node	1969 May 14 18:47	14°Υ25'51	
desc. node	1966 Nov 28 00:00	9°Ϸ59'31			1969 Jun 06 01:48	0°Ϸ	
	1966 Dec 13 22:09	0°Ϸ		morning max el	1969 Jun 17 17:06	10°Ϸ35'38	45°46'57
evening rise	1966 Dec 19 21:33	7°Ϸ30'29			1969 Jul 06 22:04	0°Π	
	1967 Jan 06 19:36	0°≈			1969 Aug 03 05:30	0°Ϸ	
	1967 Jan 30 18:53	0°Ϸ			1969 Aug 29 02:48	0°Ω	
	1967 Feb 23 22:30	0°Υ		asc. node	1969 Sep 04 22:18	8°Ω04'54	
	1967 Mar 20 09:56	0°Ϸ			1969 Sep 23 03:26	0°η	
asc. node	1967 Mar 21 03:15	0°Ϸ52'35			1969 Oct 17 14:17	0°Ω	
	1967 Apr 14 09:54	0°Π			1969 Nov 10 16:40	0°η	
	1967 May 10 06:05	0°Ϸ			1969 Dec 04 14:41	0°Ϸ	
	1967 Jun 06 16:48	0°Ω		morning set	1969 Dec 14 03:00	11°Ϸ57'53	
evening max el	1967 Jun 21 00:05	14°Ω19'54	45°24'17	desc. node	1969 Dec 25 11:47	26°Ϸ15'50	
	1967 Jul 08 22:11	0°η			1969 Dec 28 11:04	0°Ϸ	
desc. node	1967 Jul 10 16:41	1°η20'58			1970 Jan 21 07:26	0°≈	
greatest brilliancy	1967 Jul 27 01:49	11°η09'35	-4.5m				
retrograde	1967 Aug 08 14:29	13°η54'23		superior conj	1970 Jan 24 20:27	4°≈27'04	-1°-4'-25
evening set	1967 Aug 26 07:08	8°η03'07		minimum elong	1970 Jan 24 08:32	3°≈49'39	1°04'02
inferior conj	1967 Aug 29 21:40	5°η50'59	-8°-30'-22	max. Earth dist.	1970 Jan 27 14:32	7°≈54'36	1.71244 AU

	1970 Feb 14 05:04	0° H		morning max el	1972 Aug 27 02:15	18° S 06'08	45°52'41
evening rise	1970 Mar 06 17:15	25° H 37'49			1972 Sep 07 23:27	0° Ω	
	1970 Mar 10 05:25	0° Y		asc. node	1972 Oct 02 10:19	26° Ω 39'50	
	1970 Apr 03 10:05	0° B			1972 Oct 05 08:33	0° M	
asc. node	1970 Apr 17 15:14	17° B 29'38			1972 Oct 30 21:40	0° A	
	1970 Apr 27 20:33	0° II			1972 Nov 24 13:23	0° M	
	1970 May 22 14:19	0° S			1972 Dec 18 18:34	0° J	
	1970 Jun 16 17:49	0° Ω			1973 Jan 11 19:15	0° Z	
	1970 Jul 12 12:16	0° M		desc. node	1973 Jan 21 23:33	12° Z 43'58	
desc. node	1970 Aug 07 04:20	28° M 39'52			1973 Feb 04 18:43	0° $\approx$	
	1970 Aug 08 09:59	0° A			1973 Feb 28 18:45	0° H	
evening max el	1970 Sep 01 07:37	24° A 33'59	46°09'25	morning set	1973 Mar 01 07:37	0° H 40'10	
	1970 Sep 07 01:54	0° M			1973 Mar 24 20:34	0° Y	
greatest brilliancy	1970 Oct 10 03:41	23° M 11'53	-4.6m				
retrograde	1970 Oct 20 15:57	25° M 12'53		superior conj	1973 Apr 09 19:13	19° Y 47'38	-1°-11'-26
evening set	1970 Nov 05 02:15	20° M 39'00		minimum elong	1973 Apr 10 04:50	20° Y 17'25	1°11'11
inferior conj	1970 Nov 10 08:49	17° M 32'47	-4°-25'-5	max. Earth dist.	1973 Apr 13 05:00	24° Y 00'52	1.72677 AU
minimum elong	1970 Nov 10 17:49	17° M 19'04	4°22'36		1973 Apr 18 01:05	0° B	
min. Earth dist.	1970 Nov 11 02:02	17° M 06'31	0.26842 AU		1973 May 12 08:42	0° II	
morning rise	1970 Nov 16 08:43	14° M 01'32		asc. node	1973 May 15 03:09	3° II 24'20	
asc. node	1970 Nov 28 07:47	9° M 55'36		evening rise	1973 May 17 22:41	6° II 51'49	
direct	1970 Dec 01 00:03	9° M 46'50			1973 Jun 05 19:20	0° S	
greatest brilliancy	1970 Dec 14 06:19	13° M 01'20	-4.7m		1973 Jun 30 08:55	0° Ω	
	1971 Jan 07 01:00	0° J			1973 Jul 25 02:13	0° M	
morning max el	1971 Jan 20 16:24	13° J 07'03	46°57'19		1973 Aug 19 01:10	0° A	
	1971 Feb 05 14:57	0° Z		desc. node	1973 Sep 03 16:17	18° A 34'42	
	1971 Mar 04 02:24	0° $\approx$			1973 Sep 13 09:05	0° M	
desc. node	1971 Mar 19 21:17	18° $\approx$ 30'03			1973 Oct 09 08:08	0° J	
	1971 Mar 29 14:02	0° H			1973 Nov 05 15:39	0° Z	
	1971 Apr 23 15:44	0° Y		evening max el	1973 Nov 13 10:43	8° Z 01'15	47°12'04
	1971 May 18 12:48	0° B			1973 Dec 07 21:37	0° $\approx$	
	1971 Jun 12 06:58	0° II		greatest brilliancy	1973 Dec 21 23:54	8° $\approx$ 32'43	-4.7m
	1971 Jul 06 22:02	0° S		asc. node	1973 Dec 25 19:42	9° $\approx$ 59'19	
asc. node	1971 Jul 11 00:43	5° S 01'34		retrograde	1974 Jan 03 06:07	11° $\approx$ 22'25	
morning set	1971 Jul 22 08:54	18° S 55'19		evening set	1974 Jan 18 18:40	6° $\approx$ 33'55	
	1971 Jul 31 09:15	0° Ω		min. Earth dist.	1974 Jan 23 00:55	4° $\approx$ 01'30	0.26830 AU
max. Earth dist.	1971 Aug 24 09:14	29° Ω 37'45	1.72874 AU	inferior conj	1974 Jan 23 21:19	3° $\approx$ 30'05	6°40'03
	1971 Aug 24 16:25	0° M		minimum elong	1974 Jan 23 10:52	3° $\approx$ 46'11	6°37'49
				morning rise	1974 Jan 28 03:27	0° $\approx$ 56'25	
superior conj	1971 Aug 27 18:54	3° M 50'42	1°22'38		1974 Jan 29 19:51	30° Z	
minimum elong	1971 Aug 27 14:53	3° M 38'16	1°22'36	direct	1974 Feb 13 07:28	25° Z 48'16	
	1971 Sep 17 20:25	0° A		greatest brilliancy	1974 Feb 24 03:08	27° Z 59'49	-4.6m
evening rise	1971 Oct 03 20:36	19° A 55'32			1974 Feb 28 14:25	0° $\approx$	
	1971 Oct 11 22:43	0° M		morning max el	1974 Apr 04 03:49	27° $\approx$ 35'12	46°25'46
desc. node	1971 Oct 30 14:11	23° M 14'08			1974 Apr 06 14:17	0° H	
	1971 Nov 05 00:30	0° J		desc. node	1974 Apr 16 09:09	10° H 01'53	
	1971 Nov 29 02:41	0° Z			1974 May 04 20:21	0° Y	
	1971 Dec 23 06:32	0° $\approx$			1974 May 31 07:19	0° B	
	1972 Jan 16 15:01	0° H			1974 Jun 25 23:44	0° II	
	1972 Feb 10 10:08	0° Y			1974 Jul 21 04:34	0° S	
asc. node	1972 Feb 20 17:18	12° Y 11'30		asc. node	1974 Aug 07 12:29	20° S 54'51	
	1972 Mar 07 03:25	0° B			1974 Aug 14 23:47	0° Ω	
	1972 Apr 03 22:48	0° II			1974 Sep 08 10:28	0° M	
evening max el	1972 Apr 08 00:08	4° II 01'48	45°51'37	morning set	1974 Sep 29 05:57	25° M 49'16	
	1972 May 10 13:51	0° S			1974 Oct 02 14:27	0° A	
greatest brilliancy	1972 May 12 09:53	0° S 55'40	-4.5m		1974 Oct 26 14:12	0° M	
retrograde	1972 May 27 03:14	4° S 44'38		max. Earth dist.	1974 Nov 04 15:00	11° M 19'35	1.71457 AU
evening set	1972 Jun 11 04:43	0° S 21'19					
desc. node	1972 Jun 11 06:44	0° S 18'33		superior conj	1974 Nov 06 13:09	13° M 44'21	0°46'29
	1972 Jun 11 20:08	30° II		minimum elong	1974 Nov 06 22:52	14° M 14'50	0°46'05
inferior conj	1972 Jun 17 15:09	26° II 30'09	-1°-29'-33		1974 Nov 19 11:56	0° J	
minimum elong	1972 Jun 17 11:53	26° II 35'16	1°28'37	desc. node	1974 Nov 27 02:02	9° J 31'50	
min. Earth dist.	1972 Jun 17 13:40	26° II 32'29	0.28942 AU		1974 Dec 13 09:06	0° Z	
morning rise	1972 Jun 23 19:01	22° II 47'18		evening rise	1974 Dec 17 07:49	4° Z 57'32	
direct	1972 Jul 09 04:55	18° II 13'11			1975 Jan 06 06:39	0° $\approx$	
greatest brilliancy	1972 Jul 22 20:03	21° II 26'26	-4.5m		1975 Jan 30 06:05	0° H	
	1972 Aug 06 01:26	0° S			1975 Feb 23 09:53	0° Y	

	1975 Mar 19 21:42	0°♄			1977 Aug 28 15:09	0°♌		
asc. node	1975 Mar 20 05:23	0°♄23'18		asc. node	1977 Sep 04 00:30	7°♌35'15		
	1975 Apr 13 22:26	0°♊			1977 Sep 22 15:05	0°♍		
	1975 May 09 20:11	0°♎			1977 Oct 17 01:37	0°♎		
	1975 Jun 06 10:54	0°♏			1977 Nov 10 03:52	0°♏		
evening max el	1975 Jun 18 16:07	12°♏10'22	45°23'52		1977 Dec 04 01:49	0°♏		
	1975 Jul 09 11:06	0°♍		morning set	1977 Dec 11 13:40	9°♏25'28		
desc. node	1975 Jul 09 18:35	0°♍13'39		desc. node	1977 Dec 24 13:46	25°♏47'08		
greatest brilliancy	1975 Jul 24 15:12	8°♍56'38	-4.5m		1977 Dec 27 22:09	0°♏		
retrograde	1975 Aug 06 05:21	11°♍42'47			1978 Jan 20 18:29	0°♏		
evening set	1975 Aug 23 19:55	5°♍55'20						
inferior conj	1975 Aug 27 13:11	3°♍38'52	-8°-25'-33	superior conj	1978 Jan 22 06:15	1°♏52'23	-1°-1'-41	
minimum elong	1975 Aug 27 08:25	3°♍46'16	8°25'15	minimum elong	1978 Jan 21 18:16	1°♏14'42	1°01'17	
min. Earth dist.	1975 Aug 27 22:13	3°♍24'49	0.28675 AU	max. Earth dist.	1978 Jan 24 17:51	4°♏59'35	1.71213 AU	
morning rise	1975 Aug 30 20:46	1°♍36'33			1978 Feb 13 16:07	0°♋		
	1975 Sep 02 15:34	30°♏		evening rise	1978 Mar 04 04:33	23°♋08'57		
direct	1975 Sep 18 01:46	25°♏25'42			1978 Mar 09 16:29	0°♐		
greatest brilliancy	1975 Oct 02 11:52	29°♏07'52	-4.6m		1978 Apr 02 21:14	0°♄		
	1975 Oct 04 05:19	0°♍		asc. node	1978 Apr 16 17:20	17°♄01'35		
asc. node	1975 Oct 30 22:01	20°♍29'08			1978 Apr 27 07:53	0°♊		
morning max el	1975 Nov 07 05:46	27°♍37'55	46°33'57		1978 May 22 02:03	0°♎		
	1975 Nov 09 13:52	0°♎			1978 Jun 16 06:19	0°♏		
	1975 Dec 07 00:29	0°♌			1978 Jul 12 02:14	0°♍		
	1976 Jan 01 12:14	0°♏		desc. node	1978 Aug 06 06:26	27°♍59'56		
	1976 Jan 26 06:09	0°♏			1978 Aug 08 03:08	0°♎		
desc. node	1976 Feb 19 11:25	29°♏43'20		evening max el	1978 Aug 29 19:54	22°♎11'17	46°07'02	
	1976 Feb 19 16:50	0°♏			1978 Sep 07 05:07	0°♌		
	1976 Mar 15 00:59	0°♋		greatest brilliancy	1978 Oct 07 16:05	20°♌47'19	-4.6m	
	1976 Apr 08 08:56	0°♐		retrograde	1978 Oct 18 03:58	22°♌48'20		
	1976 May 02 17:49	0°♄		evening set	1978 Nov 02 17:42	18°♌09'45		
morning set	1976 May 12 06:38	11°♄43'16		inferior conj	1978 Nov 07 21:34	15°♌07'32	-4°-45'-12	
	1976 May 27 03:43	0°♊		minimum elong	1978 Nov 08 07:01	14°♌53'09	4°42'40	
asc. node	1976 Jun 11 14:55	18°♊59'45		min. Earth dist.	1978 Nov 08 16:03	14°♌39'23	0.26903 AU	
max. Earth dist.	1976 Jun 17 20:27	26°♊38'52	1.73588 AU	morning rise	1978 Nov 13 19:37	11°♌38'47		
				asc. node	1978 Nov 27 09:48	7°♌21'45		
superior conj	1976 Jun 18 04:36	27°♊03'55	0°15'34	direct	1978 Nov 28 13:09	7°♌20'09		
minimum elong	1976 Jun 18 01:25	26°♊54'10	0°15'25	greatest brilliancy	1978 Dec 11 23:07	10°♌38'52	-4.7m	
behind sun begin	1976 Jun 17 20:15	26°♊38'15			1979 Jan 07 06:38	0°♏		
behind sun end	1976 Jun 18 06:36	27°♊10'05		morning max el	1979 Jan 18 06:20	10°♏42'04	46°57'34	
	1976 Jun 20 13:56	0°♎			1979 Feb 05 09:16	0°♏		
	1976 Jul 14 23:36	0°♏			1979 Mar 03 17:18	0°♏		
evening rise	1976 Jul 24 03:18	11°♏15'50		desc. node	1979 Mar 18 23:28	17°♏55'41		
	1976 Aug 08 08:36	0°♍			1979 Mar 29 03:18	0°♋		
	1976 Sep 01 17:44	0°♎			1979 Apr 23 04:02	0°♐		
	1976 Sep 26 04:17	0°♌			1979 May 18 00:29	0°♄		
desc. node	1976 Oct 01 04:20	6°♌07'40			1979 Jun 11 18:13	0°♊		
	1976 Oct 20 17:22	0°♏			1979 Jul 06 09:02	0°♎		
	1976 Nov 14 10:42	0°♏		asc. node	1979 Jul 10 02:43	4°♎34'07		
	1976 Dec 09 12:53	0°♏		morning set	1979 Jul 20 02:50	16°♎49'32		
	1977 Jan 04 13:01	0°♋			1979 Jul 30 20:07	0°♏		
asc. node	1977 Jan 22 07:29	19°♋09'45		max. Earth dist.	1979 Aug 22 05:51	27°♏39'23	1.72917 AU	
evening max el	1977 Jan 24 12:43	21°♋26'03	47°00'17		1979 Aug 24 03:16	0°♍		
	1977 Feb 02 05:54	0°♐						
greatest brilliancy	1977 Mar 02 06:20	21°♐03'14	-4.6m	superior conj	1979 Aug 25 12:38	1°♍43'21	1°21'51	
retrograde	1977 Mar 16 03:01	24°♐33'27		minimum elong	1979 Aug 25 08:02	1°♍29'05	1°21'47	
evening set	1977 Apr 02 10:24	18°♐44'02			1979 Sep 17 07:21	0°♎		
min. Earth dist.	1977 Apr 06 02:01	16°♐27'33	0.28296 AU	evening rise	1979 Oct 01 11:57	17°♎39'40		
inferior conj	1977 Apr 06 06:29	16°♐20'29	7°31'22		1979 Oct 11 09:48	0°♌		
minimum elong	1977 Apr 06 15:17	16°♐06'35	7°30'01	desc. node	1979 Oct 29 16:14	22°♌45'23		
morning rise	1977 Apr 10 20:29	13°♐31'07			1979 Nov 04 11:50	0°♏		
direct	1977 Apr 27 09:49	8°♐14'45			1979 Nov 28 14:20	0°♏		
greatest brilliancy	1977 May 09 00:34	10°♐40'53	-4.5m		1979 Dec 22 18:35	0°♏		
desc. node	1977 May 13 20:50	12°♐55'28			1980 Jan 16 03:37	0°♋		
	1977 Jun 06 06:10	0°♄			1980 Feb 09 23:39	0°♐		
morning max el	1977 Jun 15 07:23	8°♄20'44	45°47'45	asc. node	1980 Feb 19 19:27	11°♐36'23		
	1977 Jul 06 15:09	0°♊			1980 Mar 06 18:54	0°♄		
	1977 Aug 02 19:19	0°♎			1980 Apr 03 19:46	0°♊		

evening max el	1980 Apr 05 15:45	1°II48'31	45°53'47	morning set	1982 Sep 26 21:31	23°II33'46	
greatest brilliancy	1980 May 10 00:50	28°II43'58	-4.5m		1982 Oct 02 01:32	0°II	
	1980 May 12 20:53	0°II			1982 Oct 26 01:19	0°II	
retrograde	1980 May 24 20:10	2°II35'09		max. Earth dist.	1982 Nov 01 22:13	8°II36'50	1.71491 AU
	1980 Jun 05 05:44	30°II					
evening set	1980 Jun 08 21:11	28°II11'17		superior conj	1982 Nov 04 02:02	11°II19'20	0°49'33
desc. node	1980 Jun 10 08:43	27°II21'17		minimum elong	1982 Nov 04 12:02	11°II50'42	0°49'08
inferior conj	1980 Jun 15 07:27	24°II20'18	-1°-9'-53		1982 Nov 18 23:07	0°II	
minimum elong	1980 Jun 15 04:53	24°II24'18	1°09'09	desc. node	1982 Nov 26 04:01	9°II02'59	
min. Earth dist.	1980 Jun 15 05:53	24°II22'44	0.28932 AU		1982 Dec 12 20:20	0°II	
morning rise	1980 Jun 21 12:40	20°II35'55		evening rise	1982 Dec 14 18:29	2°II24'56	
direct	1980 Jul 06 21:15	16°II03'21			1983 Jan 05 17:58	0°II	
greatest brilliancy	1980 Jul 20 11:48	19°II16'34	-4.5m		1983 Jan 29 17:31	0°II	
	1980 Aug 06 14:25	0°II			1983 Feb 22 21:35	0°II	
morning max el	1980 Aug 24 19:05	15°II57'26	45°51'50		1983 Mar 19 09:51	0°II	
	1980 Sep 07 17:57	0°II		asc. node	1983 Mar 19 07:24	29°II52'33	
asc. node	1980 Oct 01 12:19	26°II03'18			1983 Apr 13 11:26	0°II	
	1980 Oct 04 23:07	0°II			1983 May 09 10:56	0°II	
	1980 Oct 30 10:38	0°II			1983 Jun 06 06:04	0°II	
	1980 Nov 24 01:35	0°II		evening max el	1983 Jun 16 07:15	9°II57'08	45°23'33
	1980 Dec 18 06:21	0°II		desc. node	1983 Jul 08 20:41	29°II03'18	
	1981 Jan 11 06:48	0°II			1983 Jul 10 05:25	0°II	
desc. node	1981 Jan 21 01:38	12°II14'34		greatest brilliancy	1983 Jul 22 04:46	6°II42'21	-4.5m
	1981 Feb 04 06:07	0°II		retrograde	1983 Aug 03 19:44	9°II29'46	
morning set	1981 Feb 26 18:52	28°II10'12		evening set	1983 Aug 21 08:24	3°II46'23	
	1981 Feb 28 06:01	0°II		inferior conj	1983 Aug 25 04:35	1°II25'26	-8°-20'-2
	1981 Mar 24 07:43	0°II		minimum elong	1983 Aug 24 23:08	1°II33'55	8°19'36
				min. Earth dist.	1983 Aug 25 12:59	1°II12'20	0.28712 AU
superior conj	1981 Apr 07 09:22	17°II28'20	-1°-13'-22		1983 Aug 27 11:43	30°II	
minimum elong	1981 Apr 07 18:41	17°II57'14	1°13'08	morning rise	1983 Aug 28 13:41	29°II20'34	
max. Earth dist.	1981 Apr 10 20:39	21°II46'26	1.72626 AU	direct	1983 Sep 15 17:22	23°II11'49	
	1981 Apr 17 12:08	0°II		greatest brilliancy	1983 Sep 30 02:41	26°II52'06	-4.6m
	1981 May 11 19:45	0°II			1983 Oct 05 19:35	0°II	
asc. node	1981 May 14 05:05	2°II56'19		asc. node	1983 Oct 30 00:00	19°II34'04	
evening rise	1981 May 15 15:18	4°II41'28		morning max el	1983 Nov 04 19:22	25°II15'47	46°32'29
	1981 Jun 05 06:29	0°II			1983 Nov 09 10:52	0°II	
	1981 Jun 29 20:20	0°II			1983 Dec 06 16:15	0°II	
	1981 Jul 24 14:04	0°II			1984 Jan 01 02:00	0°II	
	1981 Aug 18 13:44	0°II			1984 Jan 25 18:51	0°II	
desc. node	1981 Sep 02 18:25	18°II01'55		desc. node	1984 Feb 18 13:35	29°II12'54	
	1981 Sep 12 22:51	0°II			1984 Feb 19 04:53	0°II	
	1981 Oct 09 00:04	0°II			1984 Mar 14 12:35	0°II	
	1981 Nov 05 12:39	0°II			1984 Apr 07 20:13	0°II	
evening max el	1981 Nov 11 01:55	5°II40'20	47°10'52		1984 May 02 04:53	0°II	
	1981 Dec 08 20:52	0°II		morning set	1984 May 09 23:33	9°II33'54	
greatest brilliancy	1981 Dec 19 13:49	6°II05'29	-4.7m		1984 May 26 14:40	0°II	
asc. node	1981 Dec 24 21:40	7°II57'42		asc. node	1984 Jun 10 16:58	18°II32'37	
retrograde	1981 Dec 31 19:45	8°II54'05					
evening set	1982 Jan 16 04:09	4°II11'07		superior conj	1984 Jun 15 22:32	24°II58'13	0°12'25
min. Earth dist.	1982 Jan 20 13:48	1°II33'48	0.26783 AU	minimum elong	1984 Jun 15 19:59	24°II50'22	0°12'18
inferior conj	1982 Jan 21 10:06	1°II02'34	6°23'58	behind sun begin	1984 Jun 15 05:37	24°II06'14	
minimum elong	1982 Jan 20 23:36	1°II18'43	6°21'37	behind sun end	1984 Jun 16 10:22	25°II34'31	
	1982 Jan 23 02:56	30°II		max. Earth dist.	1984 Jun 15 16:12	24°II38'44	1.73583 AU
morning rise	1982 Jan 25 19:31	28°II24'24			1984 Jun 20 00:48	0°II	
direct	1982 Feb 10 20:38	23°II21'39			1984 Jul 14 10:30	0°II	
greatest brilliancy	1982 Feb 21 15:31	25°II32'56	-4.6m	evening rise	1984 Jul 21 21:56	9°II11'46	
	1982 Mar 02 11:25	0°II			1984 Aug 07 19:40	0°II	
morning max el	1982 Apr 01 17:50	25°II14'03	46°27'10		1984 Sep 01 05:07	0°II	
	1982 Apr 06 12:20	0°II			1984 Sep 25 16:05	0°II	
desc. node	1982 Apr 15 11:09	9°II16'08		desc. node	1984 Sep 30 06:19	5°II37'18	
	1982 May 04 12:27	0°II			1984 Oct 20 05:45	0°II	
	1982 May 30 21:02	0°II			1984 Nov 13 23:54	0°II	
	1982 Jun 25 12:13	0°II			1984 Dec 09 03:26	0°II	
	1982 Jul 20 16:21	0°II			1985 Jan 04 06:23	0°II	
asc. node	1982 Aug 06 14:38	20°II26'34		asc. node	1985 Jan 21 09:40	18°II20'17	
	1982 Aug 14 11:09	0°II		evening max el	1985 Jan 22 02:29	19°II03'11	47°02'12
	1982 Sep 07 21:38	0°II			1985 Feb 02 08:29	0°II	

greatest brilliancy	1985 Feb 27 23:44	18° Υ 49'05	-4.6m	minimum elong	1987 Aug 23 01:14	29° Ω 20'27	1°20'52
retrograde	1985 Mar 13 18:17	22° Υ 17'46			1987 Aug 23 14:00	0° $\mathfrak{M}$	
evening set	1985 Mar 31 04:41	16° Υ 24'32			1987 Sep 16 18:12	0° $\underline{\mathfrak{A}}$	
inferior conj	1985 Apr 03 22:00	14° Υ 05'18	7°42'02	evening rise	1987 Sep 29 03:13	15° $\underline{\mathfrak{A}}$ 23'47	
minimum elong	1985 Apr 04 06:25	13° Υ 52'00	7°40'49		1987 Oct 10 20:49	0° $\mathfrak{M}$	
min. Earth dist.	1985 Apr 03 17:17	14° Υ 12'47	0.28260 AU	desc. node	1987 Oct 28 18:12	22° $\mathfrak{M}$ 16'43	
morning rise	1985 Apr 08 08:23	11° Υ 21'04			1987 Nov 03 23:04	0° $\mathfrak{A}$	
direct	1985 Apr 25 00:09	6° Υ 00'06			1987 Nov 28 01:51	0° $\mathfrak{Z}$	
greatest brilliancy	1985 May 06 14:30	8° Υ 25'20	-4.5m		1987 Dec 22 06:29	0° $\approx$	
desc. node	1985 May 12 22:50	11° Υ 28'18			1988 Jan 15 16:04	0° $\mathfrak{H}$	
	1985 Jun 06 08:53	0° $\mathfrak{B}$			1988 Feb 09 13:04	0° Υ	
morning max el	1985 Jun 12 21:56	6° $\mathfrak{B}$ 06'10	45°48'24	asc. node	1988 Feb 18 21:27	11° Υ 01'15	
	1985 Jul 06 08:01	0° $\mathfrak{H}$			1988 Mar 06 10:21	0° $\mathfrak{B}$	
	1985 Aug 02 09:10	0° $\mathfrak{S}$		evening max el	1988 Apr 03 08:18	29° $\mathfrak{B}$ 38'22	45°56'04
	1985 Aug 28 03:39	0° Ω			1988 Apr 03 17:07	0° $\mathfrak{H}$	
asc. node	1985 Sep 03 02:31	7° Ω 04'40		greatest brilliancy	1988 May 07 17:17	26° $\mathfrak{H}$ 35'35	-4.5m
	1985 Sep 22 02:53	0° $\mathfrak{M}$			1988 May 17 16:26	0° $\mathfrak{S}$	
	1985 Oct 16 13:04	0° $\underline{\mathfrak{A}}$		retrograde	1988 May 22 13:26	0° $\mathfrak{S}$ 27'14	
	1985 Nov 09 15:08	0° $\mathfrak{M}$			1988 May 27 07:36	30° $\mathfrak{H}$	
	1985 Dec 03 13:00	0° $\mathfrak{A}$		evening set	1988 Jun 06 14:07	26° $\mathfrak{H}$ 02'58	
morning set	1985 Dec 09 00:23	6° $\mathfrak{A}$ 53'02		desc. node	1988 Jun 09 10:47	24° $\mathfrak{H}$ 23'50	
desc. node	1985 Dec 23 15:51	25° $\mathfrak{A}$ 18'39		inferior conj	1988 Jun 13 00:00	22° $\mathfrak{H}$ 12'09	0°-50'-15
	1985 Dec 27 09:17	0° $\mathfrak{Z}$		minimum elong	1988 Jun 12 22:09	22° $\mathfrak{H}$ 15'03	0°49'43
				min. Earth dist.	1988 Jun 12 22:10	22° $\mathfrak{H}$ 15'02	0.28918 AU
superior conj	1986 Jan 19 16:05	29° $\mathfrak{Z}$ 17'32	0°-58'-49	morning rise	1988 Jun 19 06:23	18° $\mathfrak{H}$ 26'26	
minimum elong	1986 Jan 19 04:06	28° $\mathfrak{Z}$ 39'53	0°58'24	direct	1988 Jul 04 14:09	13° $\mathfrak{H}$ 55'32	
	1986 Jan 20 05:36	0° $\approx$		greatest brilliancy	1988 Jul 18 02:30	17° $\mathfrak{H}$ 07'04	-4.5m
max. Earth dist.	1986 Jan 21 20:19	2° $\approx$ 01'40	1.71185 AU		1988 Aug 06 23:24	0° $\mathfrak{S}$	
	1986 Feb 13 03:11	0° $\mathfrak{H}$		morning max el	1988 Aug 22 11:46	13° $\mathfrak{S}$ 49'43	45°50'44
evening rise	1986 Mar 01 16:02	20° $\mathfrak{H}$ 40'36			1988 Sep 07 11:37	0° Ω	
	1986 Mar 09 03:32	0° Υ		asc. node	1988 Sep 30 14:18	25° Ω 27'50	
	1986 Apr 02 08:19	0° $\mathfrak{B}$			1988 Oct 04 13:15	0° $\mathfrak{M}$	
asc. node	1986 Apr 15 19:17	16° $\mathfrak{B}$ 33'19			1988 Oct 29 23:20	0° $\underline{\mathfrak{A}}$	
	1986 Apr 26 19:10	0° $\mathfrak{H}$			1988 Nov 23 13:34	0° $\mathfrak{M}$	
	1986 May 21 13:46	0° $\mathfrak{S}$			1988 Dec 17 17:56	0° $\mathfrak{A}$	
	1986 Jun 15 18:52	0° Ω			1989 Jan 10 18:08	0° $\mathfrak{Z}$	
	1986 Jul 11 16:23	0° $\mathfrak{M}$		desc. node	1989 Jan 20 03:47	11° $\mathfrak{Z}$ 46'09	
desc. node	1986 Aug 05 08:33	27° $\mathfrak{M}$ 19'21			1989 Feb 03 17:15	0° $\approx$	
	1986 Aug 07 20:46	0° $\underline{\mathfrak{A}}$		morning set	1989 Feb 24 05:58	25° $\approx$ 40'45	
evening max el	1986 Aug 27 08:52	19° $\underline{\mathfrak{A}}$ 50'15	46°04'43		1989 Feb 27 16:59	0° $\mathfrak{H}$	
	1986 Sep 07 10:15	0° $\mathfrak{M}$			1989 Mar 23 18:32	0° Υ	
greatest brilliancy	1986 Oct 05 03:33	18° $\mathfrak{M}$ 21'48	-4.6m				
retrograde	1986 Oct 15 16:33	20° $\mathfrak{M}$ 23'49		superior conj	1989 Apr 04 23:29	15° Υ 09'50	-1°-15'-11
evening set	1986 Oct 31 09:14	15° $\mathfrak{M}$ 40'22		minimum elong	1989 Apr 05 08:27	15° Υ 37'39	1°14'59
inferior conj	1986 Nov 05 10:16	12° $\mathfrak{M}$ 42'11	-5°-4'-45	max. Earth dist.	1989 Apr 08 13:57	19° Υ 37'56	1.72573 AU
minimum elong	1986 Nov 05 20:06	12° $\mathfrak{M}$ 27'14	5°02'11		1989 Apr 16 22:52	0° $\mathfrak{B}$	
min. Earth dist.	1986 Nov 06 05:37	12° $\mathfrak{M}$ 12'46	0.26964 AU		1989 May 11 06:28	0° $\mathfrak{H}$	
morning rise	1986 Nov 11 06:17	9° $\mathfrak{M}$ 16'27		evening rise	1989 May 13 08:02	2° $\mathfrak{H}$ 32'25	
direct	1986 Nov 26 02:46	4° $\mathfrak{M}$ 53'38		asc. node	1989 May 13 07:13	2° $\mathfrak{H}$ 29'54	
asc. node	1986 Nov 26 11:50	4° $\mathfrak{M}$ 53'49			1989 Jun 04 17:17	0° $\mathfrak{S}$	
greatest brilliancy	1986 Dec 09 15:23	8° $\mathfrak{M}$ 16'02	-4.7m		1989 Jun 29 07:21	0° Ω	
	1987 Jan 07 10:20	0° $\mathfrak{A}$			1989 Jul 24 01:31	0° $\mathfrak{M}$	
morning max el	1987 Jan 15 20:58	8° $\mathfrak{A}$ 19'13	46°57'45		1989 Aug 18 01:58	0° $\underline{\mathfrak{A}}$	
	1987 Feb 05 03:03	0° $\mathfrak{Z}$		desc. node	1989 Sep 01 20:22	17° $\underline{\mathfrak{A}}$ 29'31	
	1987 Mar 03 07:55	0° $\approx$			1989 Sep 12 12:22	0° $\mathfrak{M}$	
desc. node	1987 Mar 18 01:23	17° $\approx$ 21'10			1989 Oct 08 16:00	0° $\mathfrak{A}$	
	1987 Mar 28 16:20	0° $\mathfrak{H}$			1989 Nov 05 10:13	0° $\mathfrak{Z}$	
	1987 Apr 22 16:07	0° Υ		evening max el	1989 Nov 08 16:49	3° $\mathfrak{Z}$ 19'13	47°09'19
	1987 May 17 11:56	0° $\mathfrak{B}$			1989 Dec 10 04:54	0° $\approx$	
	1987 Jun 11 05:15	0° $\mathfrak{H}$		greatest brilliancy	1989 Dec 17 04:43	3° $\approx$ 39'34	-4.7m
	1987 Jul 05 19:50	0° $\mathfrak{S}$		asc. node	1989 Dec 23 23:51	5° $\approx$ 51'17	
asc. node	1987 Jul 09 04:52	4° $\mathfrak{S}$ 07'47		retrograde	1989 Dec 29 08:50	6° $\approx$ 25'30	
morning set	1987 Jul 17 20:59	14° $\mathfrak{S}$ 45'05		evening set	1990 Jan 13 13:36	1° $\approx$ 48'15	
	1987 Jul 30 06:49	0° Ω			1990 Jan 16 15:23	30° $\mathfrak{Z}$	
max. Earth dist.	1987 Aug 20 02:12	25° Ω 40'37	1.72964 AU	min. Earth dist.	1990 Jan 18 02:54	29° $\mathfrak{Z}$ 05'39	0.26734 AU
				inferior conj	1990 Jan 18 22:42	28° $\mathfrak{Z}$ 35'10	6°06'56
superior conj	1987 Aug 23 06:25	29° Ω 36'30	1°20'57	minimum elong	1990 Jan 18 12:14	28° $\mathfrak{Z}$ 51'17	6°04'30

morning rise	1990 Jan 23 11:21	25° $\overline{3}$ 52'23			1992 Jun 19 11:22	0° $\overline{6}$	
direct	1990 Feb 08 09:16	20° $\overline{3}$ 55'16			1992 Jul 13 21:07	0° Ω	
greatest brilliancy	1990 Feb 19 04:07	23° $\overline{3}$ 06'30	-4.6m	evening rise	1992 Jul 19 16:53	7° Ω 09'43	
	1990 Mar 03 17:52	0° $\approx$			1992 Aug 07 06:26	0° $\overline{\eta}$	
morning max el	1990 Mar 30 06:41	22° $\approx$ 50'46	46°28'40		1992 Aug 31 16:09	0° $\underline{a}$	
	1990 Apr 06 09:13	0° $\overline{\text{H}}$			1992 Sep 25 03:31	0° $\overline{\text{M}}$	
desc. node	1990 Apr 14 13:13	8° $\overline{\text{H}}$ 32'17		desc. node	1992 Sep 29 08:23	5° $\overline{\text{M}}$ 08'22	
	1990 May 04 03:52	0° $\overline{\gamma}$			1992 Oct 19 17:47	0° $\overline{\text{J}}$	
	1990 May 30 10:13	0° $\overline{\text{B}}$			1992 Nov 13 12:48	0° $\overline{3}$	
	1990 Jun 25 00:14	0° $\overline{\text{II}}$			1992 Dec 08 17:49	0° $\approx$	
	1990 Jul 20 03:41	0° $\overline{6}$			1993 Jan 03 23:54	0° $\overline{\text{H}}$	
asc. node	1990 Aug 05 16:41	19° $\overline{6}$ 59'21		evening max el	1993 Jan 19 16:06	16° $\overline{\text{H}}$ 40'12	47°03'49
	1990 Aug 13 22:05	0° Ω		asc. node	1993 Jan 20 11:38	17° $\overline{\text{H}}$ 29'49	
	1990 Sep 07 08:21	0° $\overline{\eta}$			1993 Feb 02 12:37	0° $\overline{\gamma}$	
morning set	1990 Sep 24 13:32	21° $\overline{\eta}$ 21'01		greatest brilliancy	1993 Feb 25 16:07	16° $\overline{\gamma}$ 33'06	-4.6m
	1990 Oct 01 12:13	0° $\underline{a}$		retrograde	1993 Mar 11 09:28	20° $\overline{\gamma}$ 01'23	
	1990 Oct 25 12:03	0° $\overline{\text{M}}$		evening set	1993 Mar 28 22:31	14° $\overline{\gamma}$ 04'12	
max. Earth dist.	1990 Oct 30 05:53	5° $\overline{\text{M}}$ 56'42	1.71538 AU	min. Earth dist.	1993 Apr 01 08:04	11° $\overline{\gamma}$ 57'20	0.28224 AU
				inferior conj	1993 Apr 01 13:11	11° $\overline{\gamma}$ 49'15	7°51'58
superior conj	1990 Nov 01 15:15	8° $\overline{\text{M}}$ 56'30	0°52'29	minimum elong	1993 Apr 01 21:09	11° $\overline{\gamma}$ 36'42	7°50'56
minimum elong	1990 Nov 02 01:27	9° $\overline{\text{M}}$ 28'28	0°52'05	morning rise	1993 Apr 05 19:58	9° $\overline{\gamma}$ 10'28	
	1990 Nov 18 09:58	0° $\overline{\text{J}}$		direct	1993 Apr 22 14:13	3° $\overline{\gamma}$ 44'27	
desc. node	1990 Nov 25 06:10	8° $\overline{\text{J}}$ 35'33		greatest brilliancy	1993 May 04 04:46	6° $\overline{\gamma}$ 09'51	-4.5m
evening rise	1990 Dec 12 04:57	29° $\overline{\text{J}}$ 52'35		desc. node	1993 May 12 00:58	10° $\overline{\gamma}$ 04'02	
	1990 Dec 12 07:18	0° $\overline{3}$			1993 Jun 06 10:03	0° $\overline{\text{B}}$	
	1991 Jan 05 05:03	0° $\approx$		morning max el	1993 Jun 10 12:54	3° $\overline{3}$ 52'53	45°49'19
	1991 Jan 29 04:44	0° $\overline{\text{H}}$			1993 Jul 06 00:21	0° $\overline{\text{II}}$	
	1991 Feb 22 09:02	0° $\overline{\gamma}$			1993 Aug 01 22:38	0° $\overline{6}$	
asc. node	1991 Mar 18 09:23	29° $\overline{\gamma}$ 22'34			1993 Aug 27 15:48	0° Ω	
	1991 Mar 18 21:45	0° $\overline{\text{B}}$		asc. node	1993 Sep 02 04:27	6° Ω 34'43	
	1991 Apr 13 00:10	0° $\overline{\text{II}}$			1993 Sep 21 14:22	0° $\overline{\eta}$	
	1991 May 09 01:28	0° $\overline{6}$			1993 Oct 16 00:13	0° $\underline{a}$	
	1991 Jun 06 01:16	0° Ω			1993 Nov 09 02:07	0° $\overline{\text{M}}$	
evening max el	1991 Jun 13 21:50	7° Ω 43'55	45°23'25		1993 Dec 02 23:54	0° $\overline{\text{J}}$	
desc. node	1991 Jul 07 22:50	27° Ω 52'45		morning set	1993 Dec 06 11:47	4° $\overline{\text{J}}$ 23'43	
	1991 Jul 11 05:06	0° $\overline{\eta}$		desc. node	1993 Dec 22 17:57	24° $\overline{\text{J}}$ 51'04	
greatest brilliancy	1991 Jul 19 18:11	4° $\overline{\eta}$ 29'46	-4.5m		1993 Dec 26 20:09	0° $\overline{3}$	
retrograde	1991 Aug 01 10:35	7° $\overline{\eta}$ 19'26					
evening set	1991 Aug 18 21:03	1° $\overline{\eta}$ 40'04		superior conj	1994 Jan 17 02:04	26° $\overline{3}$ 43'52	0°-55'-49
	1991 Aug 21 15:06	30° Ω		minimum elong	1994 Jan 16 14:13	26° $\overline{3}$ 06'39	0°55'24
inferior conj	1991 Aug 22 20:21	29° Ω 14'34	-8°-13'-42	max. Earth dist.	1994 Jan 19 01:44	29° $\overline{3}$ 13'43	1.71168 AU
minimum elong	1991 Aug 22 14:15	29° Ω 24'04	8°13'10		1994 Jan 19 16:28	0° $\approx$	
min. Earth dist.	1991 Aug 23 04:14	29° Ω 02'17	0.28745 AU		1994 Feb 12 14:04	0° $\overline{\text{H}}$	
morning rise	1991 Aug 26 07:14	27° Ω 06'55		evening rise	1994 Feb 27 03:22	18° $\overline{\text{H}}$ 12'11	
direct	1991 Sep 13 08:56	21° Ω 00'25			1994 Mar 08 14:28	0° $\overline{\gamma}$	
greatest brilliancy	1991 Sep 27 18:39	24° Ω 40'07	-4.6m		1994 Apr 01 19:20	0° $\overline{\text{B}}$	
	1991 Oct 06 21:15	0° $\overline{\eta}$		asc. node	1994 Apr 14 21:23	16° $\overline{\text{B}}$ 05'39	
asc. node	1991 Oct 29 02:07	18° $\overline{\eta}$ 42'06			1994 Apr 26 06:24	0° $\overline{\text{II}}$	
morning max el	1991 Nov 02 09:07	22° $\overline{\eta}$ 55'46	46°30'56		1994 May 21 01:26	0° $\overline{6}$	
	1991 Nov 09 06:37	0° $\underline{a}$			1994 Jun 15 07:23	0° Ω	
	1991 Dec 06 07:21	0° $\overline{\text{M}}$			1994 Jul 11 06:33	0° $\overline{\eta}$	
	1991 Dec 31 15:19	0° $\overline{\text{J}}$		desc. node	1994 Aug 04 10:30	26° $\overline{\eta}$ 38'22	
	1992 Jan 25 07:14	0° $\overline{3}$			1994 Aug 07 14:36	0° $\underline{a}$	
desc. node	1992 Feb 17 15:32	28° $\overline{3}$ 42'33		evening max el	1994 Aug 24 22:52	17° $\underline{a}$ 32'30	46°02'32
	1992 Feb 18 16:40	0° $\approx$			1994 Sep 07 17:12	0° $\overline{\text{M}}$	
	1992 Mar 13 23:57	0° $\overline{\text{H}}$		greatest brilliancy	1994 Oct 02 14:50	15° $\overline{\text{M}}$ 57'28	-4.6m
	1992 Apr 07 07:16	0° $\overline{\gamma}$		retrograde	1994 Oct 13 05:41	18° $\overline{\text{M}}$ 00'39	
	1992 May 01 15:41	0° $\overline{\text{B}}$		evening set	1994 Oct 29 01:07	13° $\overline{\text{M}}$ 12'27	
morning set	1992 May 07 16:10	7° $\overline{\text{B}}$ 24'28		inferior conj	1994 Nov 02 23:12	10° $\overline{\text{M}}$ 18'11	-5°-23'-30
	1992 May 26 01:18	0° $\overline{\text{II}}$		minimum elong	1994 Nov 03 09:21	10° $\overline{\text{M}}$ 02'46	5°20'57
asc. node	1992 Jun 09 19:05	18° $\overline{\text{II}}$ 06'40		min. Earth dist.	1994 Nov 03 18:58	9° $\overline{\text{M}}$ 48'09	0.27023 AU
				morning rise	1994 Nov 08 16:58	6° $\overline{\text{M}}$ 55'45	
superior conj	1992 Jun 13 16:30	22° $\overline{\text{II}}$ 53'33	0°09'16	direct	1994 Nov 23 16:57	2° $\overline{\text{M}}$ 28'47	
minimum elong	1992 Jun 13 14:35	22° $\overline{\text{II}}$ 47'40	0°09'11	asc. node	1994 Nov 25 13:57	2° $\overline{\text{M}}$ 33'03	
behind sun begin	1992 Jun 12 19:57	21° $\overline{\text{II}}$ 50'27		greatest brilliancy	1994 Dec 07 06:47	5° $\overline{\text{M}}$ 53'21	-4.7m
behind sun end	1992 Jun 14 09:13	23° $\overline{\text{II}}$ 44'53			1995 Jan 07 12:07	0° $\overline{\text{J}}$	
max. Earth dist.	1992 Jun 13 11:35	22° $\overline{\text{II}}$ 38'26	1.73575 AU	morning max el	1995 Jan 13 11:55	5° $\overline{\text{J}}$ 58'05	46°57'49

	1995 Feb 04 20:12	0°☾			1997 Oct 08 08:25	0°♊	
	1995 Mar 02 22:10	0°♊			1997 Nov 05 08:50	0°☾	
desc. node	1995 Mar 17 03:27	16°♊47'45		evening max el	1997 Nov 06 06:37	0°☾54'45	47°07'46
	1995 Mar 28 05:10	0°♋			1997 Dec 12 04:39	0°♊	
	1995 Apr 22 04:07	0°♌		greatest brilliancy	1997 Dec 14 20:18	1°♊13'50	-4.7m
	1995 May 16 23:22	0°♍		asc. node	1997 Dec 23 01:51	3°♊38'57	
	1995 Jun 10 16:18	0°♎		retrograde	1997 Dec 26 21:21	3°♊56'17	
asc. node	1995 Jul 05 06:39	0°☿			1998 Jan 09 21:03	30°☾	
	1995 Jul 08 06:52	3°☿40'52		evening set	1998 Jan 10 23:14	29°☾24'24	
morning set	1995 Jul 15 14:55	12°☿39'56		min. Earth dist.	1998 Jan 15 16:26	26°☾36'18	0.26688 AU
	1995 Jul 29 17:32	0°♏		inferior conj	1998 Jan 16 11:18	26°☾07'14	5°49'11
max. Earth dist.	1995 Aug 17 21:49	23°♏39'47	1.73005 AU	minimum elong	1998 Jan 16 00:58	26°☾23'10	5°46'39
				morning rise	1998 Jan 21 03:08	23°☾19'46	
superior conj	1995 Aug 21 00:04	27°♏29'25	1°19'55	direct	1998 Feb 05 21:26	18°☾28'03	
minimum elong	1995 Aug 20 18:21	27°♏11'45	1°19'50	greatest brilliancy	1998 Feb 16 17:48	20°☾40'22	-4.6m
	1995 Aug 23 00:43	0°♐			1998 Mar 04 16:14	0°♊	
	1995 Sep 16 05:01	0°♑		morning max el	1998 Mar 27 18:39	20°♊24'27	46°30'18
evening rise	1995 Sep 26 18:35	13°♑08'21			1998 Apr 06 05:38	0°♋	
	1995 Oct 10 07:48	0°♒		desc. node	1998 Apr 13 15:19	7°♋48'35	
desc. node	1995 Oct 27 20:21	21°♒48'34			1998 May 03 19:16	0°♌	
	1995 Nov 03 10:18	0°♊			1998 May 29 23:32	0°♍	
	1995 Nov 27 13:23	0°☾			1998 Jun 24 12:27	0°♎	
	1995 Dec 21 18:23	0°♊			1998 Jul 19 15:17	0°☿	
	1996 Jan 15 04:30	0°♋		asc. node	1998 Aug 04 18:39	19°☿30'56	
	1996 Feb 09 02:30	0°♌			1998 Aug 13 09:19	0°♏	
asc. node	1996 Feb 17 23:28	10°♌26'05			1998 Sep 06 19:24	0°♐	
	1996 Mar 06 02:01	0°♍		morning set	1998 Sep 22 05:18	19°♐06'29	
evening max el	1996 Apr 01 00:47	27°♍27'41	45°58'03		1998 Sep 30 23:13	0°♑	
	1996 Apr 03 15:26	0°♎			1998 Oct 24 23:06	0°♒	
greatest brilliancy	1996 May 05 10:35	24°♎27'24	-4.5m	max. Earth dist.	1998 Oct 27 15:53	3°♒22'57	1.71582 AU
retrograde	1996 May 20 06:08	28°♎17'53					
evening set	1996 Jun 04 07:00	23°♎53'18		superior conj	1998 Oct 30 04:22	6°♒32'32	0°55'20
desc. node	1996 Jun 08 12:53	21°♎23'03		minimum elong	1998 Oct 30 14:42	7°♒04'53	0°54'56
inferior conj	1996 Jun 10 16:19	20°♎02'46	0°-30'-23		1998 Nov 17 21:06	0°♊	
minimum elong	1996 Jun 10 15:11	20°♎04'32	0°30'04	desc. node	1998 Nov 24 08:12	8°♊06'52	
min. Earth dist.	1996 Jun 10 14:24	20°♎05'46	0.28906 AU	evening rise	1998 Dec 09 15:26	27°♊19'34	
morning rise	1996 Jun 16 23:40	16°♎15'39			1998 Dec 11 18:33	0°☾	
direct	1996 Jul 02 06:51	11°♎46'33			1999 Jan 04 16:25	0°♊	
greatest brilliancy	1996 Jul 15 16:24	14°♎55'26	-4.5m		1999 Jan 28 16:17	0°♋	
	1996 Aug 07 06:15	0°☿			1999 Feb 21 20:49	0°♌	
morning max el	1996 Aug 20 03:28	11°☿38'57	45°49'48	asc. node	1999 Mar 17 11:32	28°♌52'03	
	1996 Sep 07 05:07	0°♏			1999 Mar 18 09:59	0°♍	
asc. node	1996 Sep 29 16:29	24°♏52'47			1999 Apr 12 13:17	0°♎	
	1996 Oct 04 03:22	0°♐			1999 May 08 16:29	0°☿	
	1996 Oct 29 12:02	0°♑			1999 Jun 05 21:25	0°♏	
	1996 Nov 23 01:34	0°♒		evening max el	1999 Jun 11 11:54	5°♏28'36	45°23'18
	1996 Dec 17 05:34	0°♊		desc. node	1999 Jul 07 00:44	26°♏38'36	
	1997 Jan 10 05:32	0°☾			1999 Jul 12 15:18	0°♐	
desc. node	1997 Jan 19 05:41	11°☾16'44		greatest brilliancy	1999 Jul 17 06:15	2°♐14'22	-4.5m
	1997 Feb 03 04:28	0°♊		retrograde	1999 Jul 30 01:42	5°♐07'48	
morning set	1997 Feb 21 17:16	23°♊11'32			1999 Aug 15 14:12	30°♏	
	1997 Feb 27 04:01	0°♋		evening set	1999 Aug 16 09:21	29°♏32'19	
	1997 Mar 23 05:26	0°♌		inferior conj	1999 Aug 20 11:58	27°♏02'08	-8°-6'-35
				minimum elong	1999 Aug 20 05:14	27°♏12'36	8°05'55
superior conj	1997 Apr 02 13:45	12°♌51'24	-1°-16'-51	min. Earth dist.	1999 Aug 20 19:15	26°♏50'48	0.28782 AU
minimum elong	1997 Apr 02 22:18	13°♌17'55	1°16'41	morning rise	1999 Aug 24 00:52	24°♏51'30	
max. Earth dist.	1997 Apr 06 09:07	17°♌34'52	1.72520 AU	direct	1999 Sep 11 00:23	18°♏47'17	
	1997 Apr 16 09:43	0°♍		greatest brilliancy	1999 Sep 25 11:43	22°♏28'08	-4.6m
	1997 May 10 17:20	0°♎			1999 Oct 07 16:51	0°♐	
evening rise	1997 May 11 00:42	0°♎22'38		asc. node	1999 Oct 28 04:11	17°♐49'33	
asc. node	1997 May 12 09:19	2°♎02'55		morning max el	1999 Oct 30 23:35	20°♐36'12	46°29'30
	1997 Jun 04 04:18	0°☿			1999 Nov 09 02:19	0°♑	
	1997 Jun 28 18:38	0°♏			1999 Dec 05 22:41	0°♒	
	1997 Jul 23 13:16	0°♐			1999 Dec 31 04:54	0°♊	
	1997 Aug 17 14:31	0°♑			2000 Jan 24 19:52	0°☾	
desc. node	1997 Aug 31 22:26	16°♑56'37		desc. node	2000 Feb 16 17:35	28°☾11'39	
	1997 Sep 12 02:17	0°♒			2000 Feb 18 04:43	0°♊	

	2000 Mar 13 11:36	0° 	
	2000 Apr 06 18:37	0° 	
	2000 May 01 02:49	0° 	
morning set	2000 May 05 08:46	5°  13'45	
	2000 May 25 12:15	0° 	
asc. node	2000 Jun 08 21:04	17°  39'18	
superior conj	2000 Jun 11 10:31	20°  48'01	0°06'07
minimum elong	2000 Jun 11 09:15	20°  44'07	0°06'03
behind sun begin	2000 Jun 10 12:07	19°  39'13	
behind sun end	2000 Jun 12 06:22	21°  49'02	
max. Earth dist.	2000 Jun 11 07:54	20°  39'59	1.73566 AU
	2000 Jun 18 22:15	0° 	
	2000 Jul 13 08:02	0° 	
evening rise	2000 Jul 17 11:57	5°  07'05	
	2000 Aug 06 17:32	0° 	