

superior conj	1699 Nov 13 11:58	21°♌25'29	0°33'03	direct	1702 May 04 20:49	14°♍59'52	
minimum elong	1699 Nov 13 19:45	21°♌49'56	0°32'42	desc. node	1702 May 15 11:05	17°♍01'48	
	1699 Nov 20 07:41	0°♁		greatest brilliancy	1702 May 16 19:41	17°♍33'18	-4.5m
desc. node	1699 Nov 27 16:18	9°♁15'15			1702 Jun 05 18:16	0°♁	
	1699 Dec 14 04:20	0°♁		morning max el	1702 Jun 22 15:58	14°♁53'58	45°45'00
evening rise	1699 Dec 24 16:51	13°♁13'29			1702 Jul 07 18:44	0°♁	
	1700 Jan 07 01:33	0°♁			1702 Aug 04 09:05	0°♁	
	1700 Jan 31 00:49	0°♁			1702 Aug 30 08:46	0°♁	
	1700 Feb 24 04:30	0°♁		asc. node	1702 Sep 05 14:46	7°♁23'49	
	1700 Mar 20 15:51	0°♁			1702 Sep 24 10:04	0°♁	
asc. node	1700 Mar 20 19:41	0°♁11'39			1702 Oct 18 20:54	0°♁	
	1700 Apr 14 15:04	0°♁			1702 Nov 11 23:03	0°♁	
	1700 May 10 08:54	0°♁			1702 Dec 05 20:54	0°♁	
	1700 Jun 06 13:00	0°♁		morning set	1702 Dec 19 20:54	17°♁36'25	
evening max el	1700 Jun 25 02:09	18°♁45'28	45°25'40	desc. node	1702 Dec 26 03:59	25°♁31'40	
	1700 Jul 07 13:25	0°♁			1702 Dec 29 17:19	0°♁	
desc. node	1700 Jul 10 08:54	2°♁19'02			1703 Jan 22 13:58	0°♁	
greatest brilliancy	1700 Jul 31 14:48	15°♁44'44	-4.5m				
retrograde	1700 Aug 12 16:06	18°♁17'42		superior conj	1703 Jan 30 16:33	10°♁10'47	-1°-11'-51
evening set	1700 Aug 30 14:32	12°♁19'12		minimum elong	1703 Jan 30 05:32	9°♁36'13	1°11'34
inferior conj	1700 Sep 02 22:00	10°♁17'42	-8°-40'-52	max. Earth dist.	1703 Feb 02 22:10	14°♁14'13	1.71375 AU
minimum elong	1700 Sep 02 20:17	10°♁20'22	8°40'50		1703 Feb 15 12:04	0°♁	
min. Earth dist.	1700 Sep 03 11:01	9°♁57'32	0.28452 AU		1703 Mar 11 12:57	0°♁	
morning rise	1700 Sep 06 01:52	8°♁21'16		evening rise	1703 Mar 12 07:00	0°♁56'09	
direct	1700 Sep 24 08:16	2°♁07'39			1703 Apr 04 18:03	0°♁	
greatest brilliancy	1700 Oct 08 17:52	5°♁50'31	-4.6m	asc. node	1703 Apr 18 07:39	16°♁41'24	
asc. node	1700 Oct 31 12:23	22°♁06'59			1703 Apr 29 04:40	0°♁	
	1700 Nov 08 22:52	0°♁			1703 May 23 22:05	0°♁	
morning max el	1700 Nov 13 17:06	4°♁43'37	46°40'56		1703 Jun 18 00:21	0°♁	
	1700 Dec 07 03:50	0°♁			1703 Jul 13 15:59	0°♁	
	1701 Jan 01 22:13	0°♁		desc. node	1703 Aug 07 20:40	28°♁24'51	
	1701 Jan 26 19:45	0°♁			1703 Aug 09 07:23	0°♁	
desc. node	1701 Feb 20 01:41	29°♁37'30		evening max el	1703 Sep 06 14:37	29°♁25'57	46°18'58
	1701 Feb 20 09:02	0°♁			1703 Sep 07 04:43	0°♁	
	1701 Mar 16 19:20	0°♁		greatest brilliancy	1703 Oct 15 14:51	28°♁23'30	-4.6m
	1701 Apr 10 05:08	0°♁			1703 Oct 21 08:24	0°♁	
	1701 May 04 15:29	0°♁		retrograde	1703 Oct 26 04:30	0°♁27'04	
morning set	1701 May 19 07:47	18°♁00'40			1703 Oct 30 22:14	30°♁	
	1701 May 29 02:22	0°♁		evening set	1703 Nov 10 05:33	26°♁04'25	
asc. node	1701 Jun 13 05:12	18°♁33'13		inferior conj	1703 Nov 15 19:59	22°♁48'09	-3°-19'-35
	1701 Jun 22 12:56	0°♁		minimum elong	1703 Nov 16 03:11	22°♁37'12	3°17'26
max. Earth dist.	1701 Jun 23 22:24	1°♁42'47	1.73595 AU	min. Earth dist.	1703 Nov 16 09:19	22°♁27'53	0.26657 AU
				morning rise	1703 Nov 22 00:10	19°♁11'53	
superior conj	1701 Jun 25 00:21	3°♁02'29	0°27'34	asc. node	1703 Nov 29 00:04	16°♁12'20	
minimum elong	1701 Jun 24 19:00	2°♁46'02	0°27'19	direct	1703 Dec 06 08:19	15°♁05'22	
	1701 Jul 16 22:20	0°♁		greatest brilliancy	1703 Dec 19 08:26	18°♁13'06	-4.7m
evening rise	1701 Jul 30 19:57	17°♁07'26			1704 Jan 06 05:32	0°♁	
	1701 Aug 10 06:33	0°♁		morning max el	1704 Jan 25 23:51	18°♁20'47	46°55'41
	1701 Sep 03 14:26	0°♁			1704 Feb 06 03:31	0°♁	
	1701 Sep 27 23:13	0°♁			1704 Mar 04 00:13	0°♁	
desc. node	1701 Oct 02 18:37	5°♁54'37		desc. node	1704 Mar 19 13:43	18°♁04'55	
	1701 Oct 22 10:00	0°♁			1704 Mar 29 16:39	0°♁	
	1701 Nov 16 00:19	0°♁			1704 Apr 23 21:24	0°♁	
	1701 Dec 10 22:12	0°♁			1704 May 18 20:29	0°♁	
	1702 Jan 05 14:36	0°♁			1704 Jun 12 15:54	0°♁	
asc. node	1702 Jan 23 21:50	20°♁11'44			1704 Jul 07 07:33	0°♁	
evening max el	1702 Jan 31 23:53	28°♁35'39	46°50'47	asc. node	1704 Jul 10 17:03	4°♁09'00	
	1702 Feb 02 09:22	0°♁		morning set	1704 Jul 25 23:33	22°♁51'58	
greatest brilliancy	1702 Mar 09 06:51	27°♁47'11	-4.6m		1704 Jul 31 18:44	0°♁	
	1702 Mar 14 19:44	0°♁			1704 Aug 25 01:25	0°♁	
retrograde	1702 Mar 23 09:26	1°♁23'33		max. Earth dist.	1704 Aug 28 01:00	3°♁41'57	1.72688 AU
	1702 Mar 31 15:39	30°♁					
evening set	1702 Apr 09 06:46	25°♁50'39		superior conj	1704 Aug 31 11:12	7°♁57'07	1°24'15
inferior conj	1702 Apr 13 14:51	23°♁08'59	6°41'01	minimum elong	1704 Aug 31 09:07	7°♁50'37	1°24'14
minimum elong	1702 Apr 14 00:33	22°♁53'38	6°39'09		1704 Sep 18 04:40	0°♁	
min. Earth dist.	1702 Apr 13 13:03	23°♁11'52	0.28479 AU	evening rise	1704 Oct 07 22:32	24°♁37'06	
morning rise	1702 Apr 18 18:40	19°♁59'13			1704 Oct 12 06:03	0°♁	

desc. node	1704 Oct 30 06:31	22°♄29'18		1707 May 05 17:54	0°♃		
	1704 Nov 05 06:57	0°♁		1707 Jun 01 11:10	0°♄		
	1704 Nov 29 08:16	0°♁		1707 Jun 27 06:42	0°♂		
	1704 Dec 23 11:17	0°♁		1707 Jul 22 12:58	0°♁		
	1705 Jan 16 18:50	0°♁		1707 Aug 08 04:56	20°♁05'45		
	1705 Feb 10 12:36	0°♃		1707 Aug 16 08:29	0°♁		
asc. node	1705 Feb 20 09:46	11°♃44'13		1707 Sep 09 18:51	0°♁		
	1705 Mar 08 03:05	0°♄		1707 Oct 03 22:16	0°♁		
	1705 Apr 04 14:08	0°♂		1707 Oct 04 05:51	0°♁23'41		
evening max el	1705 Apr 12 23:39	8°♂25'31	45°43'46	1707 Oct 27 21:26	0°♄		
	1705 May 08 12:09	0°♁		1707 Nov 10 11:55	17°♄04'47	1.71302 AU	
greatest brilliancy	1705 May 17 05:56	5°♁03'46	-4.5m				
retrograde	1705 May 31 22:55	8°♁50'47		superior conj	1707 Nov 12 00:06	18°♄58'27	0°36'30
desc. node	1705 Jun 11 23:01	6°♁26'24		minimum elong	1707 Nov 12 08:29	19°♄24'45	0°36'07
evening set	1705 Jun 16 00:27	4°♁26'55			1707 Nov 20 18:40	0°♁	
inferior conj	1705 Jun 22 10:25	0°♁36'45	-2°-26'00	desc. node	1707 Nov 27 18:17	8°♁46'53	
minimum elong	1705 Jun 22 05:12	0°♁44'53	2°24'33		1707 Dec 14 15:24	0°♁	
min. Earth dist.	1705 Jun 22 08:54	0°♁39'06	0.28977 AU	evening rise	1707 Dec 23 03:03	10°♁39'48	
	1705 Jun 23 09:57	30°♂			1708 Jan 07 12:43	0°♁	
morning rise	1705 Jun 28 09:58	27°♂00'33			1708 Jan 31 12:07	0°♁	
direct	1705 Jul 14 01:18	22°♂19'06			1708 Feb 24 16:01	0°♃	
greatest brilliancy	1705 Jul 27 21:34	25°♂39'05	-4.5m	asc. node	1708 Mar 19 21:45	29°♃41'51	
	1705 Aug 04 21:11	0°♁			1708 Mar 20 03:44	0°♄	
morning max el	1705 Sep 01 02:34	22°♁26'52	45°57'10		1708 Apr 14 03:39	0°♂	
	1705 Sep 08 17:15	0°♁			1708 May 09 22:56	0°♁	
asc. node	1705 Oct 03 02:41	26°♁16'52			1708 Jun 06 06:32	0°♁	
	1705 Oct 06 09:32	0°♁		evening max el	1708 Jun 22 16:56	16°♁32'00	45°24'57
	1705 Nov 01 00:50	0°♁			1708 Jul 07 20:43	0°♁	
	1705 Nov 25 17:26	0°♄		desc. node	1708 Jul 09 10:58	1°♁16'22	
	1705 Dec 19 23:15	0°♁		greatest brilliancy	1708 Jul 29 04:08	13°♁30'16	-4.5m
	1706 Jan 13 00:38	0°♁		retrograde	1708 Aug 10 06:11	16°♁04'29	
desc. node	1706 Jan 22 15:57	12°♁02'33		evening set	1708 Aug 28 03:46	10°♁08'33	
	1706 Feb 06 00:54	0°♁		inferior conj	1708 Aug 31 13:13	8°♁04'01	-8°-38'-21
	1706 Mar 02 01:48	0°♁		minimum elong	1708 Aug 31 10:41	8°♁07'55	8°38'16
morning set	1706 Mar 06 21:09	5°♁59'17		min. Earth dist.	1708 Sep 01 01:41	7°♁44'39	0.28496 AU
	1706 Mar 26 04:30	0°♃		morning rise	1708 Sep 03 17:25	6°♁06'50	
					1708 Sep 19 14:51	30°♁	
superior conj	1706 Apr 14 22:04	24°♃26'59	-1°-4'-56	direct	1708 Sep 21 23:36	29°♁53'21	
minimum elong	1706 Apr 15 08:04	24°♃57'54	1°04'37		1708 Sep 24 08:55	0°♁	
max. Earth dist.	1706 Apr 17 22:01	28°♃09'22	1.72885 AU	greatest brilliancy	1708 Oct 06 09:03	3°♁34'59	-4.6m
	1706 Apr 19 09:49	0°♄		asc. node	1708 Oct 30 14:16	21°♁07'42	
	1706 May 13 17:59	0°♂			1708 Nov 08 22:09	0°♁	
asc. node	1706 May 15 19:25	2°♂31'57		morning max el	1708 Nov 11 06:36	2°♁21'16	46°39'37
evening rise	1706 May 22 16:40	10°♂59'32			1708 Dec 06 20:07	0°♄	
	1706 Jun 07 04:42	0°♁			1709 Jan 01 12:06	0°♁	
	1706 Jul 01 17:48	0°♁			1709 Jan 26 08:28	0°♁	
	1706 Jul 26 09:58	0°♁		desc. node	1709 Feb 19 03:50	29°♁07'12	
	1706 Aug 20 07:04	0°♁			1709 Feb 19 21:03	0°♁	
desc. node	1706 Sep 04 08:43	17°♁59'34			1709 Mar 16 06:54	0°♁	
	1706 Sep 14 11:57	0°♄			1709 Apr 09 16:21	0°♃	
	1706 Oct 10 05:50	0°♁			1709 May 04 02:26	0°♄	
	1706 Nov 06 02:42	0°♁		morning set	1709 May 17 01:02	15°♁53'12	
evening max el	1706 Nov 18 18:15	13°♁14'03	47°16'48		1709 May 28 13:06	0°♂	
	1706 Dec 06 14:37	0°♁		asc. node	1709 Jun 12 07:16	18°♂06'48	
asc. node	1706 Dec 26 12:02	13°♁32'01		max. Earth dist.	1709 Jun 21 18:09	29°♂43'21	1.73598 AU
greatest brilliancy	1706 Dec 27 01:55	13°♁47'42	-4.7m		1709 Jun 21 23:34	0°♁	
retrograde	1707 Jan 08 15:19	16°♁44'56					
evening set	1707 Jan 24 15:49	11°♁37'50		superior conj	1709 Jun 22 18:32	0°♁58'14	0°24'33
min. Earth dist.	1707 Jan 28 09:18	9°♁22'49	0.27014 AU	minimum elong	1709 Jun 22 13:42	0°♁43'23	0°24'20
inferior conj	1707 Jan 29 07:24	8°♁48'36	7°23'00		1709 Jul 16 09:00	0°♁	
minimum elong	1707 Jan 28 21:42	9°♁03'37	7°21'18	evening rise	1709 Jul 28 14:32	15°♁03'43	
morning rise	1707 Feb 02 04:01	6°♁28'08			1709 Aug 09 17:22	0°♁	
direct	1707 Feb 18 19:43	1°♁04'20			1709 Sep 03 01:31	0°♁	
greatest brilliancy	1707 Mar 01 10:23	3°♁11'04	-4.6m		1709 Sep 27 10:39	0°♄	
	1707 Apr 06 19:42	0°♁		desc. node	1709 Oct 01 20:37	5°♄25'22	
morning max el	1707 Apr 09 12:22	2°♁36'44	46°19'17		1709 Oct 21 21:55	0°♁	
desc. node	1707 Apr 17 01:26	10°♁09'54			1709 Nov 15 12:56	0°♁	

	1709 Dec 10 11:58	0°≈		morning set	1712 Jul 23 17:17	20°☿46'21	
	1710 Jan 05 06:40	0°✠			1712 Jul 31 05:21	0°♈	
asc. node	1710 Jan 22 23:56	19°✠26'06			1712 Aug 24 12:01	0°♍	
evening max el	1710 Jan 29 13:33	26°✠13'57	46°52'46	max. Earth dist.	1712 Aug 25 19:57	1°♍39'00	1.72734 AU
	1710 Feb 02 07:58	0°♁					
greatest brilliancy	1710 Mar 06 23:54	25°♁34'06	-4.6m	superior conj	1712 Aug 29 04:16	5°♍48'10	1°23'48
retrograde	1710 Mar 21 00:50	29°♁09'31		minimum elong	1712 Aug 29 01:30	5°♍39'33	1°23'47
evening set	1710 Apr 07 01:18	23°♁32'28			1712 Sep 17 15:20	0°♎	
inferior conj	1710 Apr 11 06:30	20°♁55'18	6°54'10	evening rise	1712 Oct 05 12:46	22°♎18'07	
minimum elong	1710 Apr 11 16:04	20°♁40'11	6°52'26		1712 Oct 11 16:53	0°♏	
min. Earth dist.	1710 Apr 11 04:39	20°♁58'14	0.28451 AU	desc. node	1712 Oct 29 08:28	22°♏01'04	
morning rise	1710 Apr 16 07:04	17°♁50'02			1712 Nov 04 18:01	0°♐	
direct	1710 May 02 11:19	12°♁46'30			1712 Nov 28 19:36	0°♑	
greatest brilliancy	1710 May 14 10:03	15°♁19'22	-4.5m		1712 Dec 22 22:56	0°≈	
desc. node	1710 May 14 13:05	15°♁22'26			1713 Jan 16 06:55	0°✠	
	1710 Jun 06 02:52	0°♒			1713 Feb 10 01:29	0°♁	
morning max el	1710 Jun 20 06:47	12°♒40'55	45°45'33	asc. node	1713 Feb 19 11:50	11°♁10'53	
	1710 Jul 07 12:29	0°♓			1713 Mar 07 17:41	0°♒	
	1710 Aug 03 23:07	0°♈			1713 Apr 04 09:17	0°♓	
	1710 Aug 29 21:13	0°♉		evening max el	1713 Apr 10 16:13	6°♓16'29	45°45'36
asc. node	1710 Sep 04 16:50	6°♉53'41			1713 May 09 13:00	0°♈	
	1710 Sep 23 21:44	0°♊		greatest brilliancy	1713 May 14 21:50	2°♈55'11	-4.5m
	1710 Oct 18 08:11	0°♋		retrograde	1713 May 29 15:49	6°♈42'49	
	1710 Nov 11 10:08	0°♌		desc. node	1713 Jun 11 01:08	3°♈40'43	
	1710 Dec 05 07:52	0°♍		evening set	1713 Jun 13 16:32	2°♈19'30	
morning set	1710 Dec 17 07:21	15°♍03'56			1713 Jun 17 15:54	30°♓	
desc. node	1710 Dec 25 06:09	25°♍04'10		inferior conj	1713 Jun 20 02:47	28°♓28'29	-2°-6'-55
	1710 Dec 29 04:11	0°♎		minimum elong	1713 Jun 19 22:13	28°♓35'38	2°05'37
	1711 Jan 22 00:47	0°≈		min. Earth dist.	1713 Jun 20 01:00	28°♓31'17	0.28972 AU
				morning rise	1713 Jun 26 04:01	24°♓50'04	
superior conj	1711 Jan 28 03:04	7°≈39'19	-1°-9'-36	direct	1713 Jul 11 18:13	20°♓11'01	
minimum elong	1711 Jan 27 15:39	7°≈03'29	1°09'18	greatest brilliancy	1713 Jul 25 12:18	23°♓29'12	-4.5m
max. Earth dist.	1711 Jan 31 02:54	11°≈24'43	1.71338 AU		1713 Aug 05 19:10	0°♈	
	1711 Feb 14 22:51	0°✠		morning max el	1713 Aug 29 18:54	20°♈17'38	45°55'56
evening rise	1711 Mar 09 19:21	28°✠31'44			1713 Sep 08 12:22	0°♉	
	1711 Mar 10 23:44	0°♁		asc. node	1713 Oct 02 04:37	25°♉40'08	
	1711 Apr 04 04:54	0°♒			1713 Oct 06 00:08	0°♊	
asc. node	1711 Apr 17 09:35	16°♒13'42			1713 Oct 31 13:42	0°♋	
	1711 Apr 28 15:43	0°♓			1713 Nov 25 05:29	0°♌	
	1711 May 23 09:32	0°♈			1713 Dec 19 10:51	0°♍	
	1711 Jun 17 12:32	0°♉			1714 Jan 12 11:58	0°♎	
	1711 Jul 13 05:32	0°♊		desc. node	1714 Jan 21 17:59	11°♎33'51	
desc. node	1711 Aug 06 22:49	27°♊46'42			1714 Feb 05 12:00	0°≈	
	1711 Aug 08 23:43	0°♋			1714 Mar 01 12:42	0°✠	
evening max el	1711 Sep 04 03:32	27°♋04'33	46°16'35	morning set	1714 Mar 04 09:17	3°✠33'40	
	1711 Sep 07 04:57	0°♌			1714 Mar 25 15:15	0°♁	
greatest brilliancy	1711 Oct 13 02:35	25°♌57'12	-4.6m				
retrograde	1711 Oct 23 16:54	28°♌01'15		superior conj	1714 Apr 12 13:09	22°♁12'08	-1°-7'-9
evening set	1711 Nov 07 20:22	23°♌34'33		minimum elong	1714 Apr 12 23:05	22°♁42'51	1°06'52
inferior conj	1711 Nov 13 08:20	20°♌21'43	-3°-41'-44	max. Earth dist.	1714 Apr 15 17:52	26°♁09'25	1.72835 AU
minimum elong	1711 Nov 13 16:13	20°♌09'47	3°39'26		1714 Apr 18 20:29	0°♒	
min. Earth dist.	1711 Nov 13 22:51	19°♌59'44	0.26704 AU		1714 May 13 04:37	0°♓	
morning rise	1711 Nov 19 11:27	16°♌47'13		asc. node	1714 May 14 21:30	2°♓05'42	
asc. node	1711 Nov 28 02:11	13°♌19'59		evening rise	1714 May 20 10:11	8°♓53'19	
direct	1711 Dec 03 21:35	12°♌37'57			1714 Jun 06 15:26	0°♈	
greatest brilliancy	1711 Dec 17 00:14	15°♌49'18	-4.7m		1714 Jul 01 04:46	0°♉	
	1712 Jan 06 16:30	0°♍			1714 Jul 25 21:23	0°♊	
morning max el	1712 Jan 23 14:27	15°♍58'42	46°56'19		1714 Aug 19 19:11	0°♋	
	1712 Feb 05 22:31	0°♎		desc. node	1714 Sep 03 10:39	17°♎27'32	
	1712 Mar 03 15:09	0°≈			1714 Sep 14 01:13	0°♌	
desc. node	1712 Mar 18 15:43	17°≈30'42			1714 Oct 09 21:02	0°♍	
	1712 Mar 29 05:43	0°✠			1714 Nov 05 22:05	0°♎	
	1712 Apr 23 09:25	0°♁		evening max el	1714 Nov 16 09:05	10°♎52'26	47°15'53
	1712 May 18 07:52	0°♒			1714 Dec 07 02:37	0°≈	
	1712 Jun 12 02:53	0°♓		greatest brilliancy	1714 Dec 24 17:24	11°≈23'22	-4.7m
	1712 Jul 06 18:17	0°♈		asc. node	1714 Dec 25 14:09	11°≈45'33	
asc. node	1712 Jul 09 19:11	3°♈42'45		retrograde	1715 Jan 06 04:45	14°≈17'43	

evening set	1715 Jan 22 01:10	9°≈17'11		superior conj	1717 Jun 20 12:49	28°Ⅱ53'59	0°21'32
min. Earth dist.	1715 Jan 25 22:25	6°≈56'38	0.26957 AU	minimum elong	1717 Jun 20 08:32	28°Ⅱ40'49	0°21'19
inferior conj	1715 Jan 26 20:23	6°≈22'35	7°09'46		1717 Jun 21 10:18	0°☉	
minimum elong	1715 Jan 26 10:23	6°≈38'05	7°07'54		1717 Jul 15 19:47	0°♁	
morning rise	1715 Jan 30 20:03	3°≈57'36		evening rise	1717 Jul 26 09:20	13°♁00'30	
	1715 Feb 08 06:08	30°☾			1717 Aug 09 04:18	0°♃	
direct	1715 Feb 16 08:33	28°☾39'25			1717 Sep 02 12:43	0°♄	
	1715 Feb 24 17:47	0°≈			1717 Sep 26 22:16	0°♅	
greatest brilliancy	1715 Feb 26 22:52	0°≈45'44	-4.6m	desc. node	1717 Sep 30 22:38	4°♅55'40	
	1715 Apr 06 19:24	0°♃			1717 Oct 21 10:05	0°♆	
morning max el	1715 Apr 07 01:22	0°♃14'37	46°20'51		1717 Nov 15 01:53	0°☾	
desc. node	1715 Apr 16 03:23	9°♃23'11			1717 Dec 10 02:11	0°≈	
	1715 May 05 10:11	0°♄			1718 Jan 04 23:20	0°♃	
	1715 Jun 01 00:45	0°♅		asc. node	1718 Jan 22 01:57	18°♃38'40	
	1715 Jun 26 18:57	0°Ⅱ		evening max el	1718 Jan 27 03:19	23°♃51'35	46°55'02
	1715 Jul 22 00:27	0°☉			1718 Feb 02 07:54	0°♄	
asc. node	1715 Aug 07 06:57	19°☉37'57		greatest brilliancy	1718 Mar 04 16:05	23°♄19'01	-4.6m
	1715 Aug 15 19:34	0°♁		retrograde	1718 Mar 18 16:32	26°♄54'49	
	1715 Sep 09 05:45	0°♃		evening set	1718 Apr 04 19:45	21°♄13'17	
morning set	1715 Oct 01 20:53	28°♃06'55		inferior conj	1718 Apr 08 22:07	18°♄40'40	7°06'44
	1715 Oct 03 09:08	0°♄		minimum elong	1718 Apr 09 07:27	18°♄25'55	7°05'08
	1715 Oct 27 08:21	0°♅		min. Earth dist.	1718 Apr 08 19:52	18°♄44'13	0.28420 AU
max. Earth dist.	1715 Nov 07 16:54	14°♅15'26	1.71336 AU	morning rise	1718 Apr 13 19:22	15°♄40'23	
				direct	1718 Apr 30 01:55	10°♄32'10	
superior conj	1715 Nov 09 12:05	16°♅31'00	0°39'54	greatest brilliancy	1718 May 12 00:36	13°♄05'03	-4.5m
minimum elong	1715 Nov 09 20:59	16°♅58'56	0°39'30	desc. node	1718 May 13 15:16	13°♄46'12	
	1715 Nov 20 05:37	0°♆			1718 Jun 06 09:17	0°♅	
desc. node	1715 Nov 26 20:26	8°♆19'05		morning max el	1718 Jun 17 22:25	10°♅29'13	45°46'09
	1715 Dec 14 02:25	0°☾			1718 Jul 07 06:04	0°Ⅱ	
evening rise	1715 Dec 20 13:01	8°☾05'36			1718 Aug 03 13:13	0°☉	
	1716 Jan 06 23:50	0°≈			1718 Aug 29 09:48	0°♁	
	1716 Jan 30 23:22	0°♃		asc. node	1718 Sep 03 18:47	6°♁22'41	
	1716 Feb 24 03:29	0°♄			1718 Sep 23 09:35	0°♃	
asc. node	1716 Mar 18 23:42	29°♄11'49			1718 Oct 17 19:39	0°♄	
	1716 Mar 19 15:35	0°♅			1718 Nov 10 21:26	0°♅	
	1716 Apr 13 16:14	0°Ⅱ			1718 Dec 04 19:05	0°♆	
	1716 May 09 13:03	0°☉		morning set	1718 Dec 14 17:43	12°♆30'13	
	1716 Jun 06 00:24	0°♁		desc. node	1718 Dec 24 08:12	24°♆35'22	
evening max el	1716 Jun 20 06:52	14°♁16'41	45°24'19		1718 Dec 28 15:24	0°☾	
	1716 Jul 08 06:39	0°♃			1719 Jan 21 11:58	0°≈	
desc. node	1716 Jul 08 13:04	0°♃12'20		superior conj	1719 Jan 25 12:59	5°≈04'41	-1°-7'-11
greatest brilliancy	1716 Jul 26 16:32	11°♃14'56	-4.5m	minimum elong	1719 Jan 25 01:16	4°≈27'53	1°06'50
retrograde	1716 Aug 07 20:25	13°♃51'40		max. Earth dist.	1719 Jan 28 07:51	8°≈34'34	1.71305 AU
evening set	1716 Aug 25 16:35	7°♃58'26			1719 Feb 14 10:00	0°♃	
inferior conj	1716 Aug 29 04:25	5°♃50'25	-8°-34'-55	evening rise	1719 Mar 07 07:09	26°♃04'29	
minimum elong	1716 Aug 29 01:06	5°♃55'35	8°34'47		1719 Mar 10 10:51	0°♄	
min. Earth dist.	1716 Aug 29 16:22	5°♃31'53	0.28545 AU		1719 Apr 03 16:04	0°♅	
morning rise	1716 Sep 01 09:22	3°♃52'04		asc. node	1719 Apr 16 11:42	15°♅45'38	
	1716 Sep 08 17:29	30°♁			1719 Apr 28 03:06	0°Ⅱ	
direct	1716 Sep 19 14:45	27°♁38'54			1719 May 22 21:20	0°☉	
	1716 Sep 30 23:37	0°♃			1719 Jun 17 01:06	0°♁	
greatest brilliancy	1716 Oct 04 01:28	1°♃21'02	-4.6m		1719 Jul 12 19:31	0°♃	
asc. node	1716 Oct 29 16:24	20°♃09'57		desc. node	1719 Aug 06 00:48	27°♃06'50	
morning max el	1716 Nov 08 20:19	29°♃59'07	46°38'14		1719 Aug 08 16:41	0°♄	
	1716 Nov 08 20:40	0°♅		evening max el	1719 Sep 01 17:31	24°♄45'10	46°14'14
	1716 Dec 06 12:19	0°♅			1719 Sep 07 06:45	0°♅	
	1717 Jan 01 02:02	0°♆		greatest brilliancy	1719 Oct 10 13:55	23°♅30'26	-4.6m
	1717 Jan 25 21:14	0°☾		retrograde	1719 Oct 21 05:40	25°♅35'13	
desc. node	1717 Feb 18 05:50	28°☾36'15		evening set	1719 Nov 05 11:28	21°♅04'35	
	1717 Feb 19 09:07	0°≈		inferior conj	1719 Nov 10 20:51	17°♅55'03	-4°-3'-10
	1717 Mar 15 18:29	0°♃		minimum elong	1719 Nov 11 05:19	17°♅42'12	4°00'45
	1717 Apr 09 03:36	0°♄		min. Earth dist.	1719 Nov 11 12:04	17°♅31'58	0.26755 AU
	1717 May 03 13:25	0°♅		morning rise	1719 Nov 16 22:38	14°♅22'34	
morning set	1717 May 14 18:13	13°♅45'12		asc. node	1719 Nov 27 04:15	10°♅33'30	
	1717 May 27 23:55	0°Ⅱ		direct	1719 Dec 01 11:21	10°♅10'33	
asc. node	1717 Jun 11 09:23	17°Ⅱ40'16		greatest brilliancy	1719 Dec 14 15:10	13°♅23'56	-4.7m
max. Earth dist.	1717 Jun 19 13:54	27°Ⅱ43'39	1.73600 AU				

	1720 Jan 07 00:57	0°♊			1722 Jul 25 09:08	0°♎		
morning max el	1720 Jan 21 05:11	13°♊35'55	46°56'37		1722 Aug 19 07:41	0°♎		
	1720 Feb 05 17:29	0°♋		desc. node	1722 Sep 02 12:42	16°♎54'48		
	1720 Mar 03 06:22	0°♌			1722 Sep 13 14:54	0°♎		
desc. node	1720 Mar 17 17:43	16°♌55'15			1722 Oct 09 12:46	0°♏		
	1720 Mar 28 19:10	0°♍			1722 Nov 05 18:22	0°♏		
	1720 Apr 22 21:50	0°♎		evening max el	1722 Nov 13 23:08	8°♏28'01	47°14'53	
	1720 May 17 19:37	0°♏			1722 Dec 07 18:57	0°♏		
	1720 Jun 11 14:12	0°♐		greatest brilliancy	1722 Dec 22 09:35	8°♏59'18	-4.7m	
	1720 Jul 06 05:21	0°♑		asc. node	1722 Dec 24 16:07	9°♏54'15		
asc. node	1720 Jul 08 21:08	3°♑14'59		retrograde	1723 Jan 03 17:48	11°♏50'14		
morning set	1720 Jul 21 11:10	18°♑40'13		evening set	1723 Jan 19 10:45	6°♏56'05		
	1720 Jul 30 16:18	0°♒		min. Earth dist.	1723 Jan 23 12:03	4°♏29'47	0.26900 AU	
max. Earth dist.	1720 Aug 23 13:26	29°♒30'29	1.72780 AU	inferior conj	1723 Jan 24 09:31	3°♏56'30	6°55'47	
	1720 Aug 23 22:58	0°♓		minimum elong	1723 Jan 23 23:17	4°♏12'21	6°53'44	
				morning rise	1723 Jan 28 12:15	1°♏26'55		
superior conj	1720 Aug 26 21:40	3°♓39'12	1°23'14		1723 Jan 31 03:15	30°♏		
minimum elong	1720 Aug 26 18:14	3°♓28'35	1°23'13	direct	1723 Feb 13 21:01	26°♏14'17		
	1720 Sep 17 02:21	0°♐		greatest brilliancy	1723 Feb 24 12:23	28°♏21'13	-4.6m	
evening rise	1720 Oct 03 03:26	19°♐59'29			1723 Feb 28 07:19	0°♐		
	1720 Oct 11 04:04	0°♑		morning max el	1723 Apr 04 13:35	27°♏49'52	46°22'21	
desc. node	1720 Oct 28 10:39	21°♑32'31			1723 Apr 06 18:16	0°♑		
	1720 Nov 04 05:24	0°♒		desc. node	1723 Apr 15 05:37	8°♑37'23		
	1720 Nov 28 07:15	0°♓			1723 May 05 02:24	0°♑		
	1720 Dec 22 10:54	0°♐			1723 May 31 14:29	0°♑		
	1721 Jan 15 19:24	0°♑			1723 Jun 26 07:24	0°♒		
	1721 Feb 09 14:53	0°♒			1723 Jul 21 12:10	0°♓		
asc. node	1721 Feb 18 13:45	10°♒35'40		asc. node	1723 Aug 06 08:59	19°♓09'25		
	1721 Mar 07 08:57	0°♓			1723 Aug 15 06:52	0°♓		
	1721 Apr 04 05:37	0°♐			1723 Sep 08 16:51	0°♓		
evening max el	1721 Apr 08 08:51	4°♐06'01	45°47'32	morning set	1723 Sep 29 12:02	25°♓50'02		
	1721 May 11 01:25	0°♑			1723 Oct 02 20:11	0°♑		
greatest brilliancy	1721 May 12 15:05	0°♑47'00	-4.5m		1723 Oct 26 19:26	0°♑		
retrograde	1721 May 27 08:27	4°♑33'38		max. Earth dist.	1723 Nov 05 00:46	11°♓34'35	1.71375 AU	
desc. node	1721 Jun 10 03:09	0°♑50'29						
evening set	1721 Jun 11 08:55	0°♑10'53		superior conj	1723 Nov 07 00:18	14°♓03'47	0°43'10	
	1721 Jun 11 16:48	30°♒		minimum elong	1723 Nov 07 09:40	14°♓33'12	0°42'47	
inferior conj	1721 Jun 17 19:15	26°♒19'16	-1°-47'-45		1723 Nov 19 16:47	0°♓		
minimum elong	1721 Jun 17 15:21	26°♒25'23	1°46'38	desc. node	1723 Nov 25 22:28	7°♓50'20		
min. Earth dist.	1721 Jun 17 17:21	26°♒22'15	0.28962 AU		1723 Dec 13 13:39	0°♓		
morning rise	1721 Jun 23 21:59	22°♒38'36		evening rise	1723 Dec 17 23:14	5°♓31'35		
direct	1721 Jul 09 11:03	18°♒02'10			1724 Jan 06 11:08	0°♓		
greatest brilliancy	1721 Jul 23 02:16	21°♒17'23	-4.5m		1724 Jan 30 10:46	0°♑		
	1721 Aug 06 11:55	0°♓			1724 Feb 23 15:04	0°♑		
morning max el	1721 Aug 27 10:22	18°♓05'26	45°54'42	asc. node	1724 Mar 18 01:50	28°♑42'03		
	1721 Sep 08 07:20	0°♓			1724 Mar 19 03:33	0°♑		
asc. node	1721 Oct 01 06:43	25°♓03'13			1724 Apr 13 05:00	0°♒		
	1721 Oct 05 14:54	0°♓			1724 May 09 03:29	0°♓		
	1721 Oct 31 02:49	0°♑			1724 Jun 05 18:56	0°♓		
	1721 Nov 24 17:48	0°♑		evening max el	1724 Jun 17 20:56	12°♓01'17	45°23'47	
	1721 Dec 18 22:43	0°♑		desc. node	1724 Jul 07 15:03	29°♓05'56		
	1722 Jan 11 23:32	0°♑			1724 Jul 08 20:19	0°♓		
desc. node	1722 Jan 20 19:59	11°♓04'14		greatest brilliancy	1724 Jul 24 04:11	8°♓58'27	-4.5m	
	1722 Feb 04 23:22	0°♑		retrograde	1724 Aug 05 11:19	11°♓38'56		
	1722 Feb 28 23:54	0°♑		evening set	1724 Aug 23 05:16	5°♓48'35		
morning set	1722 Mar 01 21:24	1°♑07'01		inferior conj	1724 Aug 26 19:45	3°♓36'49	-8°-30'-45	
	1722 Mar 25 02:20	0°♑		minimum elong	1724 Aug 26 15:39	3°♓43'10	8°30'32	
				min. Earth dist.	1724 Aug 27 06:59	3°♓19'25	0.28591 AU	
superior conj	1722 Apr 10 04:01	19°♑55'29	-1°-9'-17	morning rise	1724 Aug 30 01:47	1°♓36'55		
minimum elong	1722 Apr 10 13:48	20°♑25'45	1°09'01		1724 Sep 01 20:33	30°♓		
max. Earth dist.	1722 Apr 13 13:22	24°♑07'11	1.72786 AU	direct	1724 Sep 17 06:06	25°♓24'29		
	1722 Apr 18 07:30	0°♑		greatest brilliancy	1724 Oct 01 18:44	29°♓08'21	-4.6m	
	1722 May 12 15:38	0°♒			1724 Oct 03 11:45	0°♑		
asc. node	1722 May 13 23:36	1°♒38'17		asc. node	1724 Oct 28 18:32	19°♑13'21		
evening rise	1722 May 18 03:20	6°♒44'43		morning max el	1724 Nov 06 10:50	27°♑39'01	46°36'49	
	1722 Jun 06 02:30	0°♓			1724 Nov 08 18:23	0°♑		
	1722 Jun 30 16:04	0°♓			1724 Dec 06 04:18	0°♑		

	1724 Dec 31 15:53	0°♁		evening max el	1727 Aug 30 07:53	22°♁27'22	46°11'41
	1725 Jan 25 10:00	0°♁			1727 Sep 07 09:48	0°♁	
desc. node	1725 Feb 17 07:52	28°♁05'14		greatest brilliancy	1727 Oct 08 02:04	21°♁05'08	-4.6m
	1725 Feb 18 21:12	0°♁		retrograde	1727 Oct 18 18:14	23°♁09'27	
	1725 Mar 15 06:05	0°♁		evening set	1727 Nov 03 02:44	18°♁35'07	
	1725 Apr 08 14:50	0°♁		inferior conj	1727 Nov 08 09:21	15°♁28'58	-4°-24'-11
	1725 May 03 00:23	0°♁		minimum elong	1727 Nov 08 18:21	15°♁15'18	4°21'41
morning set	1725 May 12 11:34	11°♁37'41		min. Earth dist.	1727 Nov 09 01:17	15°♁04'45	0.26806 AU
	1725 May 27 10:43	0°♁		morning rise	1727 Nov 14 09:29	11°♁58'34	
asc. node	1725 Jun 10 11:21	17°♁13'14		asc. node	1727 Nov 26 06:13	7°♁53'28	
max. Earth dist.	1725 Jun 17 11:01	25°♁48'03	1.73605 AU	direct	1727 Nov 29 01:05	7°♁43'52	
				greatest brilliancy	1727 Dec 12 05:18	10°♁58'01	-4.7m
superior conj	1725 Jun 18 07:13	26°♁50'05	0°18'29		1728 Jan 07 06:48	0°♁	
minimum elong	1725 Jun 18 03:29	26°♁38'39	0°18'18	morning max el	1728 Jan 18 19:09	11°♁11'48	46°56'50
	1725 Jun 20 21:03	0°♁			1728 Feb 05 11:41	0°♁	
	1725 Jul 15 06:35	0°♁			1728 Mar 02 21:06	0°♁	
evening rise	1725 Jul 24 04:17	10°♁57'41		desc. node	1728 Mar 16 19:54	16°♁21'23	
	1725 Aug 08 15:16	0°♁			1728 Mar 28 08:14	0°♁	
	1725 Sep 01 23:57	0°♁			1728 Apr 22 09:55	0°♁	
	1725 Sep 26 09:53	0°♁			1728 May 17 07:05	0°♁	
desc. node	1725 Sep 30 00:46	4°♁26'19			1728 Jun 11 01:15	0°♁	
	1725 Oct 20 22:16	0°♁			1728 Jul 05 16:09	0°♁	
	1725 Nov 14 14:53	0°♁		asc. node	1728 Jul 07 23:13	2°♁48'25	
	1725 Dec 09 16:30	0°♁		morning set	1728 Jul 19 05:18	16°♁35'48	
	1726 Jan 04 16:18	0°♁			1728 Jul 30 02:57	0°♁	
asc. node	1726 Jan 21 04:00	17°♁50'40		max. Earth dist.	1728 Aug 21 06:24	27°♁21'25	1.72827 AU
evening max el	1726 Jan 24 17:57	21°♁31'26	46°57'11		1728 Aug 23 09:36	0°♁	
	1726 Feb 02 09:00	0°♁					
greatest brilliancy	1726 Mar 02 08:04	21°♁03'41	-4.6m	superior conj	1728 Aug 24 15:19	1°♁32'06	1°22'33
retrograde	1726 Mar 16 08:48	24°♁40'06		minimum elong	1728 Aug 24 11:17	1°♁19'34	1°22'31
evening set	1726 Apr 02 14:10	18°♁54'06			1728 Sep 16 13:06	0°♁	
inferior conj	1726 Apr 06 13:40	16°♁25'57	7°18'43	evening rise	1728 Sep 30 18:15	17°♁42'11	
minimum elong	1726 Apr 06 22:45	16°♁11'38	7°17'15		1728 Oct 10 15:00	0°♁	
min. Earth dist.	1726 Apr 06 10:40	16°♁30'41	0.28386 AU	desc. node	1728 Oct 27 12:40	21°♁04'11	
morning rise	1726 Apr 11 07:33	13°♁30'57			1728 Nov 03 16:35	0°♁	
direct	1726 Apr 27 16:51	8°♁17'57			1728 Nov 27 18:42	0°♁	
greatest brilliancy	1726 May 09 14:28	10°♁50'17	-4.5m		1728 Dec 21 22:40	0°♁	
desc. node	1726 May 12 17:14	12°♁13'26			1729 Jan 15 07:41	0°♁	
	1726 Jun 06 13:30	0°♁			1729 Feb 09 04:06	0°♁	
morning max el	1726 Jun 15 14:39	8°♁19'26	45°46'47	asc. node	1729 Feb 17 15:55	10°♁01'49	
	1726 Jul 06 23:05	0°♁			1729 Mar 07 00:09	0°♁	
	1726 Aug 03 03:03	0°♁			1729 Apr 04 02:19	0°♁	
	1726 Aug 28 22:14	0°♁		evening max el	1729 Apr 06 00:37	1°♁54'03	45°49'25
asc. node	1726 Sep 02 20:56	5°♁52'37		greatest brilliancy	1729 May 10 08:37	28°♁39'44	-4.5m
	1726 Sep 22 21:20	0°♁			1729 May 13 09:51	0°♁	
	1726 Oct 17 07:02	0°♁		retrograde	1729 May 25 00:36	2°♁25'02	
	1726 Nov 10 08:37	0°♁			1729 Jun 05 01:58	30°♁	
	1726 Dec 04 06:11	0°♁		evening set	1729 Jun 09 01:22	28°♁02'40	
morning set	1726 Dec 12 04:13	9°♁57'28		desc. node	1729 Jun 09 05:10	27°♁57'25	
desc. node	1726 Dec 23 10:10	24°♁06'42		inferior conj	1729 Jun 15 11:40	24°♁10'48	-1°-28'-16
	1726 Dec 28 02:27	0°♁		minimum elong	1729 Jun 15 08:27	24°♁15'51	1°27'21
	1727 Jan 20 23:00	0°♁		min. Earth dist.	1729 Jun 15 10:01	24°♁13'23	0.28949 AU
				morning rise	1729 Jun 21 15:43	20°♁27'55	
superior conj	1727 Jan 22 22:45	2°♁30'00	-1°-4'-37	direct	1729 Jul 07 03:21	15°♁54'01	
minimum elong	1727 Jan 22 10:50	1°♁52'33	1°04'14	greatest brilliancy	1729 Jul 20 16:12	19°♁06'15	-4.5m
max. Earth dist.	1727 Jan 25 15:46	5°♁54'09	1.71276 AU		1729 Aug 06 23:57	0°♁	
	1727 Feb 13 21:01	0°♁		morning max el	1729 Aug 25 00:59	15°♁52'16	45°53'41
evening rise	1727 Mar 04 18:53	23°♁37'20			1729 Sep 08 01:22	0°♁	
	1727 Mar 09 21:51	0°♁		asc. node	1729 Sep 30 08:50	24°♁27'43	
	1727 Apr 03 03:08	0°♁			1729 Oct 05 05:07	0°♁	
asc. node	1727 Apr 15 13:48	15°♁17'54			1729 Oct 30 15:31	0°♁	
	1727 Apr 27 14:21	0°♁			1729 Nov 24 05:47	0°♁	
	1727 May 22 08:59	0°♁			1729 Dec 18 10:19	0°♁	
	1727 Jun 16 13:30	0°♁			1730 Jan 11 10:52	0°♁	
	1727 Jul 12 09:24	0°♁		desc. node	1730 Jan 19 22:06	10°♁35'40	
desc. node	1727 Aug 05 02:51	26°♁27'25			1730 Feb 04 10:28	0°♁	
	1727 Aug 08 09:46	0°♁		morning set	1730 Feb 27 08:57	28°♁39'21	

	1730 Feb 28 10:49	0°♁		inferior conj	1732 Aug 24 10:59	1°♎23'38	-8°-25'-50
	1730 Mar 24 13:07	0°♁		minimum elong	1732 Aug 24 06:09	1°♎31'06	8°25'31
				min. Earth dist.	1732 Aug 24 21:13	1°♎07'46	0.28634 AU
superior conj	1730 Apr 07 18:35	17°♁38'47	-1°-11'-19		1732 Aug 26 17:12	30°♏	
minimum elong	1730 Apr 08 04:08	18°♁08'21	1°11'05	morning rise	1732 Aug 27 18:25	29°♏21'48	
max. Earth dist.	1730 Apr 11 07:58	22°♁03'04	1.72733 AU	direct	1732 Sep 14 21:44	23°♏10'36	
	1730 Apr 17 18:12	0°♁		greatest brilliancy	1732 Sep 29 11:43	26°♏56'09	-4.6m
	1730 May 12 02:20	0°♁			1732 Oct 05 01:18	0°♎	
asc. node	1730 May 13 01:33	1°♁11'22		asc. node	1732 Oct 27 20:26	18°♎18'07	
evening rise	1730 May 15 20:16	4°♁36'23		morning max el	1732 Nov 04 02:20	25°♎22'27	46°35'35
	1730 Jun 05 13:19	0°♁			1732 Nov 08 15:01	0°♎	
	1730 Jun 30 03:07	0°♁			1732 Dec 05 19:43	0°♎	
	1730 Jul 24 20:37	0°♁			1732 Dec 31 05:18	0°♎	
	1730 Aug 18 19:53	0°♁			1733 Jan 24 22:24	0°♎	
desc. node	1730 Sep 01 14:53	16°♁23'29		desc. node	1733 Feb 16 09:59	27°♎35'21	
	1730 Sep 13 04:17	0°♎			1733 Feb 18 09:00	0°♎	
	1730 Oct 09 04:19	0°♎			1733 Mar 14 17:29	0°♎	
	1730 Nov 05 14:54	0°♎			1733 Apr 08 01:55	0°♎	
evening max el	1730 Nov 11 12:02	6°♎01'41	47°13'37		1733 May 02 11:13	0°♎	
	1730 Dec 08 16:30	0°♎		morning set	1733 May 10 04:30	9°♎29'09	
greatest brilliancy	1730 Dec 20 01:20	6°♎34'46	-4.7m		1733 May 26 21:23	0°♎	
asc. node	1730 Dec 23 18:12	7°♎58'42		asc. node	1733 Jun 09 13:26	16°♎46'57	
retrograde	1731 Jan 01 06:22	9°♎22'45		max. Earth dist.	1733 Jun 15 09:25	23°♎56'50	1.73606 AU
evening set	1731 Jan 16 20:06	4°♎34'29					
min. Earth dist.	1731 Jan 21 01:42	2°♎02'17	0.26849 AU	superior conj	1733 Jun 16 01:11	24°♎45'17	0°15'22
inferior conj	1731 Jan 21 22:24	1°♎30'14	6°40'37	minimum elong	1733 Jun 15 22:03	24°♎35'41	0°15'13
minimum elong	1731 Jan 21 12:02	1°♎46'18	6°38'26	behind sun begin	1733 Jun 15 15:51	24°♎16'38	
	1731 Jan 24 09:09	30°♎		behind sun end	1733 Jun 16 04:16	24°♎54'44	
morning rise	1731 Jan 26 04:21	28°♎56'01			1733 Jun 20 07:39	0°♎	
direct	1731 Feb 11 08:55	23°♎48'38			1733 Jul 14 17:15	0°♎	
greatest brilliancy	1731 Feb 22 02:42	25°♎57'30	-4.6m	evening rise	1733 Jul 21 23:03	8°♎54'45	
	1731 Mar 02 07:10	0°♎			1733 Aug 08 02:07	0°♎	
morning max el	1731 Apr 02 01:48	25°♎25'23	46°24'00		1733 Sep 01 11:06	0°♎	
	1731 Apr 06 16:03	0°♎		desc. node	1733 Sep 25 21:25	0°♎	
desc. node	1731 Apr 14 07:35	7°♎52'09			1733 Sep 29 02:45	3°♎56'49	
	1731 May 04 18:07	0°♎			1733 Oct 20 10:21	0°♎	
	1731 May 31 03:49	0°♎			1733 Nov 14 03:46	0°♎	
	1731 Jun 25 19:31	0°♎			1733 Dec 09 06:43	0°♎	
	1731 Jul 20 23:35	0°♎			1734 Jan 04 09:18	0°♎	
asc. node	1731 Aug 05 11:05	18°♎42'02		asc. node	1734 Jan 20 06:06	17°♎02'51	
	1731 Aug 14 17:53	0°♎		evening max el	1734 Jan 22 09:26	19°♎14'09	46°59'12
	1731 Sep 08 03:39	0°♎			1734 Feb 02 11:09	0°♎	
morning set	1731 Sep 27 03:35	23°♎35'22		greatest brilliancy	1734 Feb 28 00:10	18°♎48'54	-4.6m
	1731 Oct 02 06:55	0°♎		retrograde	1734 Mar 14 01:14	22°♎25'21	
	1731 Oct 26 06:11	0°♎		evening set	1734 Mar 31 08:28	16°♎35'01	
max. Earth dist.	1731 Nov 02 12:32	9°♎07'02	1.71413 AU	inferior conj	1734 Apr 04 05:08	14°♎11'09	7°30'00
				minimum elong	1734 Apr 04 13:54	13°♎57'20	7°28'40
superior conj	1731 Nov 04 12:57	11°♎39'01	0°46'21	min. Earth dist.	1734 Apr 04 01:05	14°♎17'32	0.28355 AU
minimum elong	1731 Nov 04 22:42	12°♎09'38	0°45'56	morning rise	1734 Apr 08 19:36	11°♎21'27	
	1731 Nov 19 03:36	0°♎		direct	1734 Apr 25 08:12	6°♎03'46	
desc. node	1731 Nov 25 00:27	7°♎22'30		greatest brilliancy	1734 May 07 03:30	8°♎34'31	-4.5m
	1731 Dec 13 00:34	0°♎		desc. node	1734 May 11 19:15	10°♎43'55	
evening rise	1731 Dec 15 09:44	2°♎59'31			1734 Jun 06 16:02	0°♎	
	1732 Jan 05 22:10	0°♎		morning max el	1734 Jun 13 07:02	6°♎10'02	45°47'20
	1732 Jan 29 21:58	0°♎			1734 Jul 06 15:46	0°♎	
	1732 Feb 23 02:30	0°♎			1734 Aug 02 16:43	0°♎	
asc. node	1732 Mar 17 03:53	28°♎12'27			1734 Aug 28 10:34	0°♎	
	1732 Mar 18 15:24	0°♎		asc. node	1734 Sep 01 22:58	5°♎22'28	
	1732 Apr 12 17:39	0°♎			1734 Sep 22 08:59	0°♎	
	1732 May 08 17:52	0°♎			1734 Oct 16 18:20	0°♎	
	1732 Jun 05 13:45	0°♎			1734 Nov 09 19:45	0°♎	
evening max el	1732 Jun 15 11:34	9°♎48'00	45°23'26		1734 Dec 03 17:14	0°♎	
desc. node	1732 Jul 06 17:09	27°♎58'29		morning set	1734 Dec 09 15:01	7°♎25'46	
	1732 Jul 09 14:19	0°♎		desc. node	1734 Dec 22 12:19	23°♎38'48	
greatest brilliancy	1732 Jul 21 15:05	6°♎41'45	-4.5m		1734 Dec 27 13:27	0°♎	
retrograde	1732 Aug 03 02:39	9°♎26'44					
evening set	1732 Aug 20 17:41	3°♎39'30		superior conj	1735 Jan 20 08:47	29°♎56'21	-1°-1'-54

minimum elong	1735 Jan 19 20:47	29°♁18'36	1°01'31	direct	1737 Jul 04 19:25	13°♁45'57	
	1735 Jan 20 09:57	0°♁		greatest brilliancy	1737 Jul 18 07:18	16°♁56'21	-4.5m
max. Earth dist.	1735 Jan 23 01:39	3°♁20'06	1.71242 AU		1737 Aug 07 09:01	0°♁	
	1735 Feb 13 07:55	0°♁		morning max el	1737 Aug 22 15:41	13°♁38'39	45°52'37
evening rise	1735 Mar 02 06:50	21°♁11'05			1737 Sep 07 19:15	0°♁	
	1735 Mar 09 08:45	0°♁		asc. node	1737 Sep 29 10:47	23°♁51'14	
	1735 Apr 02 14:08	0°♁			1737 Oct 04 19:26	0°♁	
asc. node	1735 Apr 14 15:44	14°♁49'53			1737 Oct 30 04:23	0°♁	
	1735 Apr 27 01:35	0°♁			1737 Nov 23 17:57	0°♁	
	1735 May 21 20:39	0°♁			1737 Dec 17 22:06	0°♁	
	1735 Jun 16 02:00	0°♁			1738 Jan 10 22:24	0°♁	
	1735 Jul 11 23:28	0°♁		desc. node	1738 Jan 19 00:09	10°♁06'10	
desc. node	1735 Aug 04 04:59	25°♁47'37			1738 Feb 03 21:48	0°♁	
	1735 Aug 08 03:17	0°♁		morning set	1738 Feb 24 20:22	26°♁10'16	
evening max el	1735 Aug 27 21:54	20°♁08'40	46°09'09		1738 Feb 27 22:00	0°♁	
	1735 Sep 07 14:40	0°♁			1738 Mar 24 00:10	0°♁	
greatest brilliancy	1735 Oct 05 15:05	18°♁40'52	-4.6m				
retrograde	1735 Oct 16 06:14	20°♁43'41		superior conj	1738 Apr 05 09:17	15°♁21'39	-1°-13'-14
evening set	1735 Oct 31 18:10	16°♁05'37		minimum elong	1738 Apr 05 18:32	15°♁50'21	1°13'01
inferior conj	1735 Nov 05 21:55	13°♁03'00	-4°-44'-36	max. Earth dist.	1738 Apr 09 00:30	19°♁51'44	1.72674 AU
minimum elong	1735 Nov 06 07:22	12°♁48'37	4°42'03		1738 Apr 17 05:09	0°♁	
min. Earth dist.	1735 Nov 06 14:50	12°♁37'15	0.26858 AU		1738 May 11 13:15	0°♁	
morning rise	1735 Nov 11 20:06	9°♁34'46		asc. node	1738 May 12 03:42	0°♁44'23	
asc. node	1735 Nov 25 08:21	5°♁19'07		evening rise	1738 May 13 13:22	2°♁27'51	
direct	1735 Nov 26 14:31	5°♁17'11			1738 Jun 05 00:19	0°♁	
greatest brilliancy	1735 Dec 09 19:36	8°♁32'00	-4.7m		1738 Jun 29 14:23	0°♁	
	1736 Jan 07 10:51	0°♁			1738 Jul 24 08:23	0°♁	
morning max el	1736 Jan 16 08:19	8°♁45'18	46°57'10		1738 Aug 18 08:26	0°♁	
	1736 Feb 05 05:33	0°♁		desc. node	1738 Aug 31 16:47	15°♁50'17	
	1736 Mar 02 11:41	0°♁			1738 Sep 12 18:08	0°♁	
desc. node	1736 Mar 15 21:51	15°♁47'00			1738 Oct 08 20:30	0°♁	
	1736 Mar 27 21:12	0°♁			1738 Nov 05 12:34	0°♁	
	1736 Apr 21 21:57	0°♁		evening max el	1738 Nov 09 00:36	3°♁33'41	47°12'25
	1736 May 16 18:32	0°♁			1738 Dec 09 22:47	0°♁	
	1736 Jun 10 12:21	0°♁		greatest brilliancy	1738 Dec 17 16:14	4°♁08'06	-4.7m
	1736 Jul 05 03:02	0°♁		asc. node	1738 Dec 22 20:18	5°♁57'16	
asc. node	1736 Jul 07 01:21	2°♁21'41		retrograde	1738 Dec 29 19:10	6°♁54'18	
morning set	1736 Jul 16 23:22	14°♁30'49		evening set	1739 Jan 14 05:27	2°♁11'15	
	1736 Jul 29 13:44	0°♁			1739 Jan 17 22:03	30°♁	
max. Earth dist.	1736 Aug 18 22:37	25°♁09'38	1.72874 AU	min. Earth dist.	1739 Jan 18 15:13	29°♁33'35	0.26803 AU
				inferior conj	1739 Jan 19 11:12	29°♁02'42	6°24'36
superior conj	1736 Aug 22 08:57	29°♁24'35	1°21'45	minimum elong	1739 Jan 19 00:45	29°♁18'52	6°22'16
minimum elong	1736 Aug 22 04:18	29°♁10'12	1°21'42	morning rise	1739 Jan 23 20:23	26°♁24'03	
	1736 Aug 22 20:23	0°♁		direct	1739 Feb 08 20:43	21°♁21'28	
	1736 Sep 15 23:59	0°♁		greatest brilliancy	1739 Feb 19 17:14	23°♁32'50	-4.6m
evening rise	1736 Sep 28 09:06	15°♁24'41			1739 Mar 03 16:01	0°♁	
	1736 Oct 10 02:05	0°♁		morning max el	1739 Mar 30 15:02	23°♁02'11	46°25'44
desc. node	1736 Oct 26 14:38	20°♁35'17			1739 Apr 06 13:27	0°♁	
	1736 Nov 03 03:55	0°♁		desc. node	1739 Apr 13 09:35	7°♁06'35	
	1736 Nov 27 06:20	0°♁			1739 May 04 09:56	0°♁	
	1736 Dec 21 10:40	0°♁			1739 May 30 17:21	0°♁	
	1737 Jan 14 20:12	0°♁			1739 Jun 25 07:50	0°♁	
	1737 Feb 08 17:35	0°♁		asc. node	1739 Jul 20 11:12	0°♁	
asc. node	1737 Feb 16 17:58	9°♁26'57			1739 Aug 04 13:08	18°♁13'41	
	1737 Mar 06 15:41	0°♁			1739 Aug 14 05:07	0°♁	
evening max el	1737 Apr 03 15:37	29°♁39'56	45°51'26		1739 Sep 07 14:45	0°♁	
	1737 Apr 03 23:50	0°♁		morning set	1739 Sep 24 19:12	21°♁19'59	
greatest brilliancy	1737 May 08 01:19	26°♁31'22	-4.5m		1739 Oct 01 18:00	0°♁	
	1737 May 18 20:29	0°♁			1739 Oct 25 17:18	0°♁	
retrograde	1737 May 22 16:45	0°♁16'53		max. Earth dist.	1739 Oct 31 00:46	6°♁39'49	1.71453 AU
	1737 May 26 11:23	30°♁					
evening set	1737 Jun 06 18:08	25°♁54'19		superior conj	1739 Nov 02 01:31	9°♁12'47	0°49'26
desc. node	1737 Jun 08 07:16	25°♁01'55		minimum elong	1739 Nov 02 11:34	9°♁44'18	0°49'01
inferior conj	1737 Jun 13 04:18	22°♁02'40	-1°-8'-49		1739 Nov 18 14:47	0°♁	
minimum elong	1737 Jun 13 01:47	22°♁06'37	1°08'06	desc. node	1739 Nov 24 02:36	6°♁54'00	
min. Earth dist.	1737 Jun 13 03:09	22°♁04'29	0.28940 AU		1739 Dec 12 11:51	0°♁	
morning rise	1737 Jun 19 09:32	18°♁17'45		evening rise	1739 Dec 12 20:01	0°♁25'41	

	1740 Jan 05 09:34	0°≈		morning max el	1742 Jun 10 22:51	3°♄58'16	45°47'59
	1740 Jan 29 09:31	0°✠			1742 Jul 06 08:26	0°♁	
	1740 Feb 22 14:18	0°♃			1742 Aug 02 06:30	0°♄	
asc. node	1740 Mar 16 05:50	27°♃41'25			1742 Aug 27 23:02	0°♁	
	1740 Mar 18 03:38	0°♄		asc. node	1742 Sep 01 00:57	4°♁51'40	
	1740 Apr 12 06:45	0°♁			1742 Sep 21 20:45	0°♃	
	1740 May 08 08:47	0°♄			1742 Oct 16 05:45	0°♁	
	1740 Jun 05 09:24	0°♁			1742 Nov 09 07:00	0°♃	
evening max el	1740 Jun 13 03:20	7°♁36'52	45°23'18		1742 Dec 03 04:26	0°♄	
desc. node	1740 Jul 05 19:13	26°♁48'42		morning set	1742 Dec 07 01:59	4°♄54'07	
	1740 Jul 10 15:01	0°♃		desc. node	1742 Dec 21 14:22	23°♄09'58	
greatest brilliancy	1740 Jul 19 02:17	4°♃25'27	-4.5m		1742 Dec 27 00:40	0°♄	
retrograde	1740 Jul 31 18:23	7°♃14'39					
evening set	1740 Aug 18 06:12	1°♃30'59		superior conj	1743 Jan 17 18:31	27°♄20'53	0°-59'-2
	1740 Aug 20 18:31	30°♁		minimum elong	1743 Jan 17 06:33	26°♄43'18	0°58'38
inferior conj	1740 Aug 22 02:29	29°♁10'39	-8°-20'-9		1743 Jan 19 21:09	0°≈	
minimum elong	1740 Aug 21 20:59	29°♁19'10	8°19'44	max. Earth dist.	1743 Jan 20 09:43	0°≈39'29	1.71215 AU
min. Earth dist.	1740 Aug 22 11:25	28°♁56'49	0.28675 AU		1743 Feb 12 19:05	0°✠	
morning rise	1740 Aug 25 11:34	27°♁06'25		evening rise	1743 Feb 27 18:06	18°✠41'42	
direct	1740 Sep 12 14:04	20°♁57'07			1743 Mar 08 19:56	0°♃	
greatest brilliancy	1740 Sep 27 03:48	24°♁42'45	-4.6m		1743 Apr 02 01:23	0°♄	
	1740 Oct 06 03:47	0°♃		asc. node	1743 Apr 13 17:52	14°♄21'40	
asc. node	1740 Oct 26 22:36	17°♃23'55			1743 Apr 26 13:04	0°♁	
morning max el	1740 Nov 01 18:28	23°♃06'53	46°33'58		1743 May 21 08:36	0°♄	
	1740 Nov 08 11:20	0°♁			1743 Jun 15 14:48	0°♁	
	1740 Dec 05 11:18	0°♃			1743 Jul 11 13:53	0°♃	
	1740 Dec 30 19:02	0°♄		desc. node	1743 Aug 03 06:57	25°♃06'31	
	1741 Jan 24 11:09	0°♄			1743 Aug 07 21:20	0°♁	
desc. node	1741 Feb 15 12:00	27°♄04'00		evening max el	1743 Aug 25 11:25	17°♁48'39	46°06'47
	1741 Feb 17 21:09	0°≈			1743 Sep 07 21:37	0°♃	
	1741 Mar 14 05:12	0°✠		greatest brilliancy	1743 Oct 03 04:48	16°♃18'06	-4.6m
	1741 Apr 07 13:18	0°♃		retrograde	1743 Oct 13 18:04	18°♃19'10	
	1741 May 01 22:21	0°♄		evening set	1743 Oct 29 09:56	13°♃37'06	
morning set	1741 May 07 21:20	7°♄19'18		inferior conj	1743 Nov 03 10:49	10°♃38'20	-5°-4'-3
	1741 May 26 08:22	0°♁		minimum elong	1743 Nov 03 20:38	10°♃23'21	5°01'29
asc. node	1741 Jun 08 15:33	16°♁19'53		min. Earth dist.	1743 Nov 04 04:52	10°♃10'48	0.26912 AU
max. Earth dist.	1741 Jun 13 08:33	22°♁06'54	1.73600 AU	morning rise	1743 Nov 09 06:49	7°♃12'30	
				direct	1743 Nov 24 03:42	2°♃51'37	
superior conj	1741 Jun 13 19:12	22°♁39'36	0°12'14	asc. node	1743 Nov 24 10:25	2°♃51'43	
minimum elong	1741 Jun 13 16:41	22°♁31'54	0°12'07	greatest brilliancy	1743 Dec 07 10:40	6°♃07'44	-4.7m
behind sun begin	1741 Jun 13 01:59	21°♁46'44			1744 Jan 07 13:13	0°♄	
behind sun end	1741 Jun 14 07:23	23°♁17'03		morning max el	1744 Jan 13 21:01	6°♄17'31	46°57'11
	1741 Jun 19 18:34	0°♄			1744 Feb 04 23:04	0°♄	
	1741 Jul 14 04:12	0°♁			1744 Mar 02 02:15	0°≈	
evening rise	1741 Jul 19 18:01	6°♁51'42		desc. node	1744 Mar 14 23:52	15°≈12'25	
	1741 Aug 07 13:12	0°♃			1744 Mar 27 10:16	0°✠	
	1741 Aug 31 22:27	0°♁			1744 Apr 21 10:08	0°♃	
	1741 Sep 25 09:13	0°♃			1744 May 16 06:08	0°♄	
desc. node	1741 Sep 28 04:48	3°♃26'49			1744 Jun 09 23:33	0°♁	
	1741 Oct 19 22:46	0°♄			1744 Jul 04 13:59	0°♄	
	1741 Nov 13 17:06	0°♄		asc. node	1744 Jul 06 03:18	1°♄54'09	
	1741 Dec 08 21:31	0°≈		morning set	1744 Jul 14 17:07	12°♄24'42	
	1742 Jan 04 03:10	0°✠			1744 Jul 29 00:34	0°♁	
asc. node	1742 Jan 19 08:07	16°✠12'28		max. Earth dist.	1744 Aug 16 15:27	22°♁59'40	1.72921 AU
evening max el	1742 Jan 20 01:23	16°✠56'28	47°01'08				
	1742 Feb 02 15:33	0°♃		superior conj	1744 Aug 20 02:33	27°♁16'54	1°20'50
greatest brilliancy	1742 Feb 25 17:12	16°♃33'35	-4.6m	minimum elong	1744 Aug 19 21:20	27°♁00'46	1°20'46
retrograde	1742 Mar 11 17:22	20°♃08'23			1744 Aug 22 07:12	0°♃	
evening set	1742 Mar 29 02:31	14°♃14'13			1744 Sep 15 10:54	0°♁	
inferior conj	1742 Apr 01 20:21	11°♃54'26	7°40'42	evening rise	1744 Sep 26 00:15	13°♁08'13	
minimum elong	1742 Apr 02 04:44	11°♃41'13	7°39'31		1744 Oct 09 13:10	0°♃	
min. Earth dist.	1742 Apr 01 15:10	12°♃02'35	0.28317 AU	desc. node	1744 Oct 25 16:48	20°♃07'09	
morning rise	1742 Apr 06 07:16	9°♃10'02			1744 Nov 02 15:12	0°♄	
direct	1742 Apr 22 23:27	3°♃47'56			1744 Nov 26 17:52	0°♄	
greatest brilliancy	1742 May 04 15:11	6°♃15'42	-4.5m		1744 Dec 20 22:34	0°≈	
desc. node	1742 May 10 21:27	9°♃16'18			1745 Jan 14 08:42	0°✠	
	1742 Jun 06 17:36	0°♄			1745 Feb 08 07:08	0°♃	

asc. node	1745 Feb 15 19:55	8°♃51'39			1747 Sep 07 01:34	0°♎		
	1745 Mar 06 07:29	0°♄		morning set	1747 Sep 22 10:40	19°♎05'12		
evening max el	1745 Apr 01 06:03	27°♄23'56	45°53'26		1747 Oct 01 04:46	0°♌		
	1745 Apr 03 22:21	0°♂			1747 Oct 25 04:07	0°♍		
greatest brilliancy	1745 May 05 16:57	24°♂20'48	-4.5m	max. Earth dist.	1747 Oct 28 12:44	4°♍12'47	1.71492 AU	
retrograde	1745 May 20 08:49	28°♂07'50						
evening set	1745 Jun 04 10:46	23°♂44'33		superior conj	1747 Oct 30 14:06	6°♍47'39	0°52'25	
desc. node	1745 Jun 07 09:17	22°♂02'47		minimum elong	1747 Oct 31 00:21	7°♍19'49	0°52'01	
inferior conj	1745 Jun 10 20:40	19°♂53'32	0°-49'-9		1747 Nov 18 01:40	0°♏		
minimum elong	1745 Jun 10 18:52	19°♂56'22	0°48'38	desc. node	1747 Nov 23 04:36	6°♏26'01		
min. Earth dist.	1745 Jun 10 20:04	19°♂54'28	0.28931 AU	evening rise	1747 Dec 10 06:24	27°♏53'05		
morning rise	1745 Jun 17 02:59	16°♂06'56			1747 Dec 11 22:49	0°♐		
direct	1745 Jul 02 10:55	11°♂36'47			1748 Jan 04 20:39	0°♑		
greatest brilliancy	1745 Jul 15 23:03	14°♂46'47	-4.5m		1748 Jan 28 20:43	0°♒		
	1745 Aug 07 15:39	0°♓			1748 Feb 22 01:42	0°♑		
morning max el	1745 Aug 20 06:43	11°♓25'56	45°51'43	asc. node	1748 Mar 15 08:00	27°♑12'20		
	1745 Sep 07 12:40	0°♈			1748 Mar 17 15:27	0°♄		
asc. node	1745 Sep 28 12:54	23°♈15'45			1748 Apr 11 19:28	0°♂		
	1745 Oct 04 09:30	0°♎			1748 May 07 23:28	0°♓		
	1745 Oct 29 17:04	0°♌			1748 Jun 05 05:18	0°♈		
	1745 Nov 23 05:56	0°♍		evening max el	1748 Jun 10 19:43	5°♈28'02	45°22'58	
	1745 Dec 17 09:40	0°♏		desc. node	1748 Jul 04 21:12	25°♈37'17		
	1746 Jan 10 09:40	0°♐			1748 Jul 12 01:23	0°♎		
desc. node	1746 Jan 18 02:08	9°♐37'17		greatest brilliancy	1748 Jul 16 14:28	2°♎10'51	-4.5m	
	1746 Feb 03 08:52	0°♑		retrograde	1748 Jul 29 09:45	5°♎02'48		
morning set	1746 Feb 22 07:50	23°♑41'58			1748 Aug 14 17:06	30°♈		
	1746 Feb 27 08:56	0°♒		evening set	1748 Aug 15 18:27	29°♈23'19		
	1746 Mar 23 11:01	0°♑		inferior conj	1748 Aug 19 17:50	26°♈58'08	-8°-13'-43	
				minimum elong	1748 Aug 19 11:41	27°♈07'40	8°13'11	
superior conj	1746 Apr 02 23:45	13°♑04'20	-1°-15'-2	min. Earth dist.	1748 Aug 20 01:31	26°♈46'14	0.28712 AU	
minimum elong	1746 Apr 03 08:40	13°♑31'59	1°14'50	morning rise	1748 Aug 23 04:46	24°♈51'05		
max. Earth dist.	1746 Apr 06 14:30	17°♑33'04	1.72623 AU	direct	1748 Sep 10 06:31	18°♈44'19		
	1746 Apr 16 15:56	0°♄		greatest brilliancy	1748 Sep 24 18:40	22°♈28'28	-4.6m	
evening rise	1746 May 11 05:59	0°♂18'17			1748 Oct 06 22:49	0°♎		
	1746 May 11 00:02	0°♂		asc. node	1748 Oct 26 00:40	16°♎31'19		
asc. node	1746 May 11 05:45	0°♂17'33		morning max el	1748 Oct 30 09:55	20°♎50'41	46°32'23	
	1746 Jun 04 11:13	0°♓			1748 Nov 08 06:42	0°♌		
	1746 Jun 29 01:33	0°♈			1748 Dec 05 02:18	0°♍		
	1746 Jul 23 20:02	0°♎			1748 Dec 30 08:17	0°♏		
	1746 Aug 17 20:54	0°♌			1749 Jan 23 23:28	0°♐		
desc. node	1746 Aug 30 18:51	15°♌17'56		desc. node	1749 Feb 14 14:00	26°♐33'56		
	1746 Sep 12 07:55	0°♍			1749 Feb 17 08:52	0°♑		
	1746 Oct 08 12:43	0°♏			1749 Mar 13 16:28	0°♒		
	1746 Nov 05 10:45	0°♐			1749 Apr 07 00:13	0°♑		
evening max el	1746 Nov 06 14:01	1°♐08'45	47°11'18		1749 May 01 09:02	0°♄		
	1746 Dec 11 17:53	0°♑		morning set	1749 May 05 14:26	5°♄11'40		
greatest brilliancy	1746 Dec 15 06:19	1°♑41'24	-4.7m		1749 May 25 18:54	0°♂		
asc. node	1746 Dec 21 22:16	3°♑51'47		asc. node	1749 Jun 07 17:30	15°♂53'36		
retrograde	1746 Dec 27 08:31	4°♑27'01		max. Earth dist.	1749 Jun 11 08:12	20°♂19'49	1.73597 AU	
	1747 Jan 11 06:52	30°♐						
evening set	1747 Jan 11 15:00	29°♐48'44		superior conj	1749 Jun 11 13:20	20°♂35'35	0°09'06	
min. Earth dist.	1747 Jan 16 04:29	27°♐06'19	0.26754 AU	minimum elong	1749 Jun 11 11:27	20°♂29'49	0°09'00	
inferior conj	1747 Jan 17 00:00	26°♐36'15	6°07'52	behind sun begin	1749 Jun 10 16:40	19°♂32'06		
minimum elong	1747 Jan 16 13:33	26°♐52'20	6°05'25	behind sun end	1749 Jun 12 06:15	21°♂27'33		
morning rise	1747 Jan 21 12:27	23°♐53'22			1749 Jun 19 05:05	0°♓		
direct	1747 Feb 06 08:56	18°♐55'28			1749 Jul 13 14:48	0°♈		
greatest brilliancy	1747 Feb 17 07:05	21°♐08'48	-4.6m	evening rise	1749 Jul 17 12:58	4°♈49'39		
	1747 Mar 04 14:55	0°♑			1749 Aug 06 23:59	0°♎		
morning max el	1747 Mar 28 05:08	20°♑42'27	46°27'19		1749 Aug 31 09:32	0°♌		
	1747 Apr 06 09:38	0°♒			1749 Sep 24 20:44	0°♍		
desc. node	1747 Apr 12 11:47	6°♒23'23		desc. node	1749 Sep 27 06:55	2°♍57'53		
	1747 May 04 01:07	0°♑			1749 Oct 19 10:55	0°♏		
	1747 May 30 06:27	0°♄			1749 Nov 13 06:10	0°♐		
	1747 Jun 24 19:50	0°♂			1749 Dec 08 12:06	0°♑		
	1747 Jul 19 22:33	0°♓			1750 Jan 03 21:01	0°♒		
asc. node	1747 Aug 03 15:08	17°♓45'59		evening max el	1750 Jan 17 17:08	14°♒39'13	47°02'58	
	1747 Aug 13 16:07	0°♈		asc. node	1750 Jan 18 10:08	15°♒22'23		

	1750 Feb 02 21:22	0°♃		superior conj	1752 Aug 17 20:34	25°♁11'16	1°19'49
greatest brilliancy	1750 Feb 23 11:17	14°♃20'46	-4.6m	minimum elong	1752 Aug 17 14:50	24°♁53'31	1°19'43
retrograde	1750 Mar 09 09:11	17°♃52'35			1752 Aug 21 17:49	0°♃	
evening set	1750 Mar 26 20:36	11°♃55'02			1752 Sep 14 21:39	0°♁	
inferior conj	1750 Mar 30 11:40	9°♃39'11	7°50'46	evening rise	1752 Sep 23 15:50	10°♁53'40	
minimum elong	1750 Mar 30 19:37	9°♃26'39	7°49'43		1752 Oct 09 00:09	0°♁	
min. Earth dist.	1750 Mar 30 05:38	9°♃48'43	0.28274 AU	desc. node	1752 Oct 24 18:47	19°♁38'40	
morning rise	1750 Apr 03 18:56	7°♃00'01			1752 Nov 02 02:27	0°♁	
direct	1750 Apr 20 14:34	1°♃33'44			1752 Nov 26 05:26	0°♁	
greatest brilliancy	1750 May 02 02:45	3°♃58'07	-4.5m		1752 Dec 20 10:31	0°♁	
desc. node	1750 May 09 23:22	7°♃52'37			1753 Jan 13 21:14	0°♁	
	1750 Jun 06 17:18	0°♁			1753 Feb 07 20:45	0°♃	
morning max el	1750 Jun 08 13:50	1°♁45'51	45°48'39	asc. node	1753 Feb 14 22:04	8°♃16'52	
	1750 Jul 06 00:17	0°♁			1753 Mar 05 23:28	0°♁	
	1750 Aug 01 19:45	0°♁		evening max el	1753 Mar 29 20:41	25°♁08'49	45°55'41
	1750 Aug 27 11:05	0°♁			1753 Apr 03 21:41	0°♁	
asc. node	1750 Aug 31 03:05	4°♁22'23		greatest brilliancy	1753 May 03 08:07	22°♁10'14	-4.5m
	1750 Sep 21 08:12	0°♁		retrograde	1753 May 18 01:30	25°♁59'44	
	1750 Oct 15 16:54	0°♁		evening set	1753 Jun 02 03:43	21°♁35'18	
	1750 Nov 08 18:00	0°♁		desc. node	1753 Jun 06 11:18	19°♁03'04	
	1750 Dec 02 15:23	0°♁		inferior conj	1753 Jun 08 13:12	17°♁45'10	0°-29'-25
morning set	1750 Dec 04 12:50	2°♁22'56		minimum elong	1753 Jun 08 12:07	17°♁46'52	0°29'07
desc. node	1750 Dec 20 16:20	22°♁41'50		min. Earth dist.	1753 Jun 08 12:57	17°♁45'35	0.28919 AU
	1750 Dec 26 11:35	0°♁		morning rise	1753 Jun 14 20:31	13°♁57'19	
				direct	1753 Jun 30 02:43	9°♁28'18	
superior conj	1751 Jan 15 04:09	24°♁46'12	0°-56'-3	greatest brilliancy	1753 Jul 13 15:19	12°♁38'40	-4.5m
minimum elong	1751 Jan 14 16:20	24°♁09'03	0°55'37		1753 Aug 07 19:56	0°♁	
max. Earth dist.	1751 Jan 17 15:57	27°♁54'05	1.71186 AU	morning max el	1753 Aug 17 22:51	9°♁16'33	45°50'56
	1751 Jan 19 08:02	0°♁			1753 Sep 07 05:32	0°♁	
	1751 Feb 12 05:56	0°♁		asc. node	1753 Sep 27 14:58	22°♁40'46	
evening rise	1751 Feb 25 05:18	16°♁13'00			1753 Oct 03 23:18	0°♁	
	1751 Mar 08 06:48	0°♃			1753 Oct 29 05:37	0°♁	
	1751 Apr 01 12:21	0°♁			1753 Nov 22 17:52	0°♁	
asc. node	1751 Apr 12 19:55	13°♁54'10			1753 Dec 16 21:16	0°♁	
	1751 Apr 26 00:15	0°♁			1754 Jan 09 21:03	0°♁	
	1751 May 20 20:13	0°♁		desc. node	1754 Jan 17 04:16	9°♁08'29	
	1751 Jun 15 03:16	0°♁			1754 Feb 02 20:05	0°♁	
	1751 Jul 11 04:05	0°♁		morning set	1754 Feb 19 18:43	21°♁11'23	
desc. node	1751 Aug 02 09:01	24°♁26'07			1754 Feb 26 19:59	0°♁	
	1751 Aug 07 15:30	0°♁			1754 Mar 22 21:57	0°♃	
evening max el	1751 Aug 22 23:54	15°♁26'58	46°04'10				
	1751 Sep 08 06:53	0°♁		superior conj	1754 Mar 31 13:50	10°♃45'27	-1°-16'-43
greatest brilliancy	1751 Sep 30 18:12	13°♁55'13	-4.6m	minimum elong	1754 Mar 31 22:19	11°♃11'47	1°16'32
retrograde	1751 Oct 11 05:38	15°♁54'56		max. Earth dist.	1754 Apr 04 04:02	15°♃12'42	1.72569 AU
evening set	1751 Oct 27 01:33	11°♁08'21			1754 Apr 16 02:47	0°♁	
inferior conj	1751 Oct 31 23:34	8°♁13'45	-5°-22'-55	evening rise	1754 May 08 22:33	28°♁08'21	
minimum elong	1751 Nov 01 09:41	7°♁58'18	5°20'23		1754 May 10 10:53	0°♁	
min. Earth dist.	1751 Nov 01 18:59	7°♁44'07	0.26973 AU	asc. node	1754 May 10 07:42	29°♁50'12	
morning rise	1751 Nov 06 17:11	4°♁50'45			1754 Jun 03 22:11	0°♁	
direct	1751 Nov 21 16:32	0°♁25'44			1754 Jun 28 12:48	0°♁	
asc. node	1751 Nov 23 12:21	0°♁29'44			1754 Jul 23 07:47	0°♁	
greatest brilliancy	1751 Dec 05 02:49	3°♁44'55	-4.7m		1754 Aug 17 09:27	0°♁	
	1752 Jan 07 14:10	0°♁		desc. node	1754 Aug 29 21:01	14°♁45'40	
morning max el	1752 Jan 11 09:41	3°♁49'51	46°57'25		1754 Sep 11 21:50	0°♁	
	1752 Feb 04 16:04	0°♁			1754 Oct 08 05:14	0°♁	
	1752 Mar 01 16:26	0°♁		evening max el	1754 Nov 04 04:15	28°♁45'50	47°09'49
desc. node	1752 Mar 14 02:03	14°♁39'09			1754 Nov 05 09:57	0°♁	
	1752 Mar 26 23:01	0°♁		greatest brilliancy	1754 Dec 12 19:30	29°♁12'49	-4.7m
	1752 Apr 20 22:02	0°♃			1754 Dec 14 18:33	0°♁	
	1752 May 15 17:28	0°♁		asc. node	1754 Dec 21 00:21	1°♁39'55	
	1752 Jun 09 10:30	0°♁		retrograde	1754 Dec 24 21:55	1°♁58'17	
	1752 Jul 04 00:41	0°♁			1755 Jan 03 15:43	30°♁	
asc. node	1752 Jul 05 05:22	1°♁27'47		evening set	1755 Jan 09 00:31	27°♁24'33	
morning set	1752 Jul 12 11:18	10°♁20'36		min. Earth dist.	1755 Jan 13 17:23	24°♁37'37	0.26713 AU
	1752 Jul 28 11:09	0°♁		inferior conj	1755 Jan 14 12:34	24°♁08'09	5°50'04
max. Earth dist.	1752 Aug 14 11:07	20°♁59'15	1.72969 AU	minimum elong	1755 Jan 14 02:13	24°♁24'02	5°47'33
				morning rise	1755 Jan 19 04:19	21°♁21'03	

direct	1755 Feb 03 21:39	16°☿27'55			1757 Jul 13 01:45	0°♁	
greatest brilliancy	1755 Feb 14 20:19	18°☿42'29	-4.6m	evening rise	1757 Jul 15 07:44	2°♁46'01	
	1755 Mar 05 08:30	0°♁			1757 Aug 06 11:07	0°♁	
morning max el	1755 Mar 25 19:40	18°♁22'33	46°28'56		1757 Aug 30 20:58	0°♁	
	1755 Apr 06 05:37	0°♁			1757 Sep 24 08:38	0°♁	
desc. node	1755 Apr 11 13:45	5°♁39'06		desc. node	1757 Sep 26 08:53	2°♁27'24	
	1755 May 03 16:24	0°♁			1757 Oct 18 23:27	0°♁	
	1755 May 29 19:41	0°♁			1757 Nov 12 19:37	0°♁	
	1755 Jun 24 07:58	0°♁			1757 Dec 08 03:07	0°♁	
	1755 Jul 19 10:03	0°♁			1758 Jan 03 15:32	0°♁	
asc. node	1755 Aug 02 17:15	17°♁18'06		evening max el	1758 Jan 15 07:58	12°♁18'47	47°04'35
	1755 Aug 13 03:16	0°♁		asc. node	1758 Jan 17 12:16	14°♁30'56	
	1755 Sep 06 12:33	0°♁			1758 Feb 03 05:55	0°♁	
morning set	1755 Sep 20 02:45	16°♁51'58		greatest brilliancy	1758 Feb 21 05:17	12°♁06'42	-4.6m
	1755 Sep 30 15:42	0°♁		retrograde	1758 Mar 07 00:24	15°♁35'33	
	1755 Oct 24 15:04	0°♁		evening set	1758 Mar 24 14:31	9°♁34'47	
max. Earth dist.	1755 Oct 25 23:52	1°♁42'47	1.71530 AU	min. Earth dist.	1758 Mar 27 20:24	7°♁33'11	0.28236 AU
				inferior conj	1758 Mar 28 03:00	7°♁22'45	8°00'03
superior conj	1755 Oct 28 03:28	4°♁24'35	0°55'15	minimum elong	1758 Mar 28 10:26	7°♁10'59	7°59'08
minimum elong	1755 Oct 28 13:50	4°♁57'08	0°54'52	morning rise	1758 Apr 01 06:38	4°♁48'42	
	1755 Nov 17 12:43	0°♁			1758 Apr 12 07:44	30°♁	
desc. node	1755 Nov 22 06:37	5°♁57'35		direct	1758 Apr 18 05:17	29°♁18'07	
evening rise	1755 Dec 07 17:14	25°♁21'20			1758 Apr 24 06:57	0°♁	
	1755 Dec 11 09:59	0°♁		greatest brilliancy	1758 Apr 29 15:33	1°♁40'16	-4.5m
	1756 Jan 04 07:58	0°♁		desc. node	1758 May 09 01:26	6°♁30'23	
	1756 Jan 28 08:13	0°♁		morning max el	1758 Jun 06 04:07	29°♁30'04	45°49'21
	1756 Feb 21 13:28	0°♁			1758 Jun 06 16:36	0°♁	
asc. node	1756 Mar 14 10:00	26°♁41'31			1758 Jul 05 16:24	0°♁	
	1756 Mar 17 03:42	0°♁			1758 Aug 01 09:21	0°♁	
	1756 Apr 11 08:41	0°♁			1758 Aug 26 23:29	0°♁	
	1756 May 07 14:45	0°♁		asc. node	1758 Aug 30 05:07	3°♁51'44	
	1756 Jun 05 02:16	0°♁			1758 Sep 20 19:58	0°♁	
evening max el	1756 Jun 08 11:56	3°♁17'54	45°22'50		1758 Oct 15 04:21	0°♁	
desc. node	1756 Jul 03 23:18	24°♁23'16			1758 Nov 08 05:19	0°♁	
greatest brilliancy	1756 Jul 14 03:59	29°♁57'18	-4.5m	morning set	1758 Dec 01 23:59	29°♁51'36	
	1756 Jul 14 06:32	0°♁			1758 Dec 02 02:39	0°♁	
retrograde	1756 Jul 27 00:55	2°♁50'40		desc. node	1758 Dec 19 18:29	22°♁13'17	
	1756 Aug 08 02:47	30°♁			1758 Dec 25 22:48	0°♁	
evening set	1756 Aug 13 06:52	27°♁15'40					
inferior conj	1756 Aug 17 09:24	24°♁45'30	-8°-6'-44	superior conj	1759 Jan 12 14:07	22°♁11'31	0°-52'-58
minimum elong	1756 Aug 17 02:39	24°♁55'59	8°06'03	minimum elong	1759 Jan 12 02:31	21°♁35'04	0°52'31
min. Earth dist.	1756 Aug 17 16:04	24°♁35'08	0.28743 AU	max. Earth dist.	1759 Jan 14 19:40	24°♁59'51	1.71157 AU
morning rise	1756 Aug 20 22:17	22°♁35'17			1759 Jan 18 19:12	0°♁	
direct	1756 Sep 07 22:53	16°♁31'29			1759 Feb 11 17:05	0°♁	
greatest brilliancy	1756 Sep 22 08:56	20°♁12'59	-4.6m	evening rise	1759 Feb 22 16:42	13°♁43'56	
	1756 Oct 07 13:14	0°♁			1759 Mar 07 17:58	0°♁	
asc. node	1756 Oct 25 02:35	15°♁38'41			1759 Mar 31 23:39	0°♁	
morning max el	1756 Oct 28 00:40	18°♁32'14	46°30'53	asc. node	1759 Apr 11 21:53	13°♁25'21	
	1756 Nov 08 01:44	0°♁			1759 Apr 25 11:48	0°♁	
	1756 Dec 04 17:19	0°♁			1759 May 20 08:16	0°♁	
	1756 Dec 29 21:38	0°♁			1759 Jun 14 16:15	0°♁	
	1757 Jan 23 11:58	0°♁			1759 Jul 10 18:55	0°♁	
desc. node	1757 Feb 13 16:09	26°♁03'26		desc. node	1759 Aug 01 11:09	23°♁44'12	
	1757 Feb 16 20:50	0°♁			1759 Aug 07 10:37	0°♁	
	1757 Mar 13 04:04	0°♁		evening max el	1759 Aug 20 12:05	13°♁03'43	46°01'52
	1757 Apr 06 11:32	0°♁			1759 Sep 08 19:52	0°♁	
	1757 Apr 30 20:07	0°♁		greatest brilliancy	1759 Sep 28 06:42	11°♁30'54	-4.6m
morning set	1757 May 03 07:04	3°♁01'17		retrograde	1759 Oct 08 17:39	13°♁30'37	
	1757 May 25 05:50	0°♁		evening set	1759 Oct 24 17:23	8°♁39'00	
asc. node	1757 Jun 06 19:35	15°♁26'32		inferior conj	1759 Oct 29 12:28	5°♁48'46	-5°-41'-6
				minimum elong	1759 Oct 29 22:48	5°♁32'59	5°38'36
superior conj	1757 Jun 09 07:06	18°♁29'18	0°05'55	min. Earth dist.	1759 Oct 30 08:58	5°♁17'30	0.27036 AU
minimum elong	1757 Jun 09 05:53	18°♁25'31	0°05'52	morning rise	1759 Nov 04 03:33	2°♁29'11	
behind sun begin	1757 Jun 08 08:41	17°♁20'25			1759 Nov 09 07:41	30°♁	
behind sun end	1757 Jun 10 03:05	19°♁30'38		direct	1759 Nov 19 05:42	27°♁59'22	
max. Earth dist.	1757 Jun 09 06:19	18°♁26'54	1.73586 AU	asc. node	1759 Nov 22 14:31	28°♁12'53	
	1757 Jun 18 15:59	0°♁			1759 Nov 29 13:25	0°♁	

greatest brilliancy	1759 Dec 02 19:46	1°♌22'42	-4.7m		1762 Jun 28 00:08	0°♊	
	1760 Jan 07 14:14	0°♊			1762 Jul 22 19:39	0°♋	
morning max el	1760 Jan 08 23:19	1°♊23'50	46°57'38		1762 Aug 16 22:12	0°♌	
	1760 Feb 04 09:00	0°♌		desc. node	1762 Aug 28 22:55	14°♌12'02	
	1760 Mar 01 06:42	0°♍			1762 Sep 11 12:02	0°♍	
desc. node	1760 Mar 13 03:59	14°♍04'40			1762 Oct 07 22:14	0°♎	
	1760 Mar 26 11:55	0°♎		evening max el	1762 Nov 01 19:06	26°♎24'15	47°08'24
	1760 Apr 20 10:06	0°♏			1762 Nov 05 10:20	0°♏	
	1760 May 15 05:01	0°♐		greatest brilliancy	1762 Dec 10 09:05	26°♏44'40	-4.7m
	1760 Jun 08 21:43	0°♑		asc. node	1762 Dec 20 02:26	29°♏22'22	
	1760 Jul 03 11:41	0°♒		retrograde	1762 Dec 22 11:20	29°♏29'13	
asc. node	1760 Jul 04 07:30	1°♒00'36		evening set	1763 Jan 06 10:16	25°♏00'05	
morning set	1760 Jul 10 05:19	8°♒15'01		min. Earth dist.	1763 Jan 11 06:13	22°♏08'47	0.26669 AU
	1760 Jul 27 22:04	0°♓		inferior conj	1763 Jan 12 01:04	21°♏39'52	5°31'32
max. Earth dist.	1760 Aug 12 07:30	19°♓00'01	1.73014 AU	minimum elong	1763 Jan 11 14:56	21°♏55'25	5°28'58
				morning rise	1763 Jan 16 20:03	18°♏48'32	
superior conj	1760 Aug 15 14:22	23°♓03'59	1°18'40	direct	1763 Feb 01 10:37	14°♏00'27	
minimum elong	1760 Aug 15 08:08	22°♓44'41	1°18'33	greatest brilliancy	1763 Feb 12 08:54	16°♏15'18	-4.6m
	1760 Aug 21 04:45	0°♐			1763 Mar 05 21:38	0°♐	
	1760 Sep 14 08:42	0°♑		morning max el	1763 Mar 23 09:41	16°♐01'24	46°30'23
evening rise	1760 Sep 21 07:20	8°♑38'06			1763 Apr 06 00:57	0°♒	
	1760 Oct 08 11:23	0°♒		desc. node	1763 Apr 10 15:47	4°♒55'38	
desc. node	1760 Oct 23 20:48	19°♒09'30			1763 May 03 07:25	0°♓	
	1760 Nov 01 13:56	0°♓			1763 May 29 08:46	0°♔	
	1760 Nov 25 17:13	0°♔			1763 Jun 23 19:59	0°♕	
	1760 Dec 19 22:43	0°♕			1763 Jul 18 21:28	0°♖	
	1761 Jan 13 10:04	0°♎		asc. node	1763 Aug 01 19:16	16°♖50'13	
	1761 Feb 07 10:42	0°♏			1763 Aug 12 14:21	0°♗	
asc. node	1761 Feb 14 00:06	7°♏40'51			1763 Sep 05 23:30	0°♘	
	1761 Mar 05 15:54	0°♐		morning set	1763 Sep 17 18:44	14°♘38'31	
evening max el	1761 Mar 27 11:59	22°♐54'52	45°58'00		1763 Sep 30 02:38	0°♙	
	1761 Apr 03 22:19	0°♑		max. Earth dist.	1763 Oct 23 07:58	29°♙03'22	1.71572 AU
greatest brilliancy	1761 Apr 30 23:08	19°♑59'04	-4.5m		1763 Oct 24 02:02	0°♚	
retrograde	1761 May 15 18:31	23°♑51'02					
evening set	1761 May 30 20:50	19°♑25'17		superior conj	1763 Oct 25 16:42	2°♒01'09	0°58'00
desc. node	1761 Jun 05 13:25	16°♑01'32		minimum elong	1763 Oct 26 03:07	2°♒33'47	0°57'36
inferior conj	1761 Jun 06 05:41	15°♑36'04	0°-9'-35		1763 Nov 16 23:46	0°♓	
minimum elong	1761 Jun 06 05:19	15°♑36'37	0°09'30	desc. node	1763 Nov 21 08:47	5°♓29'38	
transit begin	1761 Jun 06 02:02	15°♑41'46		evening rise	1763 Dec 05 03:38	22°♓48'17	
transit end	1761 Jun 06 08:37	15°♑31'28			1763 Dec 10 21:09	0°♔	
min. Earth dist.	1761 Jun 06 05:25	15°♑36'28	0.28912 AU		1764 Jan 03 19:14	0°♕	
morning rise	1761 Jun 12 13:52	11°♑47'17			1764 Jan 27 19:38	0°♎	
direct	1761 Jun 27 19:05	7°♑19'09			1764 Feb 21 01:09	0°♏	
greatest brilliancy	1761 Jul 11 07:24	10°♑29'43	-4.5m	asc. node	1764 Mar 13 11:59	26°♑10'51	
	1761 Aug 07 22:52	0°♒			1764 Mar 16 15:54	0°♐	
morning max el	1761 Aug 15 15:36	7°♒08'02	45°50'03		1764 Apr 10 21:53	0°♑	
	1761 Sep 06 22:23	0°♓			1764 May 07 06:07	0°♒	
asc. node	1761 Sep 26 16:55	22°♓04'54			1764 Jun 04 23:47	0°♓	
	1761 Oct 03 13:15	0°♔		evening max el	1764 Jun 06 03:27	1°♓06'31	45°22'46
	1761 Oct 28 18:19	0°♕		desc. node	1764 Jul 03 01:23	23°♓07'37	
	1761 Nov 22 05:56	0°♎		greatest brilliancy	1764 Jul 11 18:04	27°♓45'08	-4.5m
	1761 Dec 16 08:57	0°♏			1764 Jul 18 16:16	0°♐	
	1762 Jan 09 08:30	0°♑		retrograde	1764 Jul 24 15:47	0°♑39'34	
desc. node	1762 Jan 16 06:17	8°♑39'04			1764 Jul 30 11:15	30°♑	
	1762 Feb 02 07:22	0°♒		evening set	1764 Aug 10 19:16	25°♑09'14	
morning set	1762 Feb 17 05:29	18°♒40'00		inferior conj	1764 Aug 15 01:04	22°♑34'02	-7°-58'-57
	1762 Feb 26 07:09	0°♓		minimum elong	1764 Aug 14 17:47	22°♑45'23	7°58'08
	1762 Mar 22 08:58	0°♔		min. Earth dist.	1764 Aug 15 07:04	22°♑24'42	0.28773 AU
				morning rise	1764 Aug 18 16:06	20°♑20'18	
superior conj	1762 Mar 29 03:49	8°♔25'49	-1°-18'-16	direct	1764 Sep 05 14:50	14°♑19'44	
minimum elong	1762 Mar 29 11:49	8°♔50'40	1°18'08	greatest brilliancy	1764 Sep 19 23:28	17°♑58'42	-4.6m
max. Earth dist.	1762 Apr 01 18:45	12°♔55'31	1.72513 AU		1764 Oct 07 23:40	0°♒	
	1762 Apr 15 13:43	0°♕		asc. node	1764 Oct 24 04:47	14°♒48'09	
evening rise	1762 May 06 15:08	25°♕58'14		morning max el	1764 Oct 25 14:26	16°♒11'52	46°29'13
asc. node	1762 May 09 09:51	29°♕23'17			1764 Nov 07 20:08	0°♓	
	1762 May 09 21:48	0°♖			1764 Dec 04 08:04	0°♔	
	1762 Jun 03 09:13	0°♗			1764 Dec 29 10:50	0°♕	

	1769 Dec 15 20:19	0°♁		retrograde	1772 Jul 22 06:40	28°♁28'55	
	1770 Jan 08 19:37	0°♁		evening set	1772 Aug 08 07:41	23°♁03'06	
desc. node	1770 Jan 15 08:17	8°♁10'40		inferior conj	1772 Aug 12 16:53	20°♁22'58	-7°-50'-26
	1770 Feb 01 18:19	0°♁		minimum elong	1772 Aug 12 09:03	20°♁35'09	7°49'29
morning set	1770 Feb 14 16:31	16°♁10'30		min. Earth dist.	1772 Aug 12 22:26	20°♁14'18	0.28802 AU
	1770 Feb 25 17:58	0°♁		morning rise	1772 Aug 16 10:12	18°♁05'36	
	1770 Mar 21 19:42	0°♁		direct	1772 Sep 03 06:29	12°♁08'13	
				greatest brilliancy	1772 Sep 17 15:10	15°♁46'10	-4.6m
superior conj	1770 Mar 26 17:46	6°♁06'50	-1°-19'-42		1772 Oct 08 07:15	0°♁	
minimum elong	1770 Mar 27 01:14	6°♁30'00	1°19'35	morning max el	1772 Oct 23 03:59	13°♁51'09	46°27'38
max. Earth dist.	1770 Mar 30 11:21	10°♁44'55	1.72464 AU	asc. node	1772 Oct 23 06:50	13°♁58'17	
	1770 Apr 15 00:24	0°♁			1772 Nov 07 14:02	0°♁	
evening rise	1770 May 04 07:30	23°♁48'01			1772 Dec 03 22:35	0°♁	
asc. node	1770 May 08 11:54	28°♁56'42			1772 Dec 28 23:56	0°♁	
	1770 May 09 08:30	0°♁			1773 Jan 22 12:38	0°♁	
	1770 Jun 02 20:03	0°♁		desc. node	1773 Feb 11 20:10	25°♁02'41	
	1770 Jun 27 11:17	0°♁			1773 Feb 15 20:26	0°♁	
	1770 Jul 22 07:20	0°♁			1773 Mar 12 02:51	0°♁	
	1770 Aug 16 10:46	0°♁			1773 Apr 05 09:40	0°♁	
desc. node	1770 Aug 28 01:01	13°♁39'34		morning set	1773 Apr 28 16:13	28°♁41'11	
	1770 Sep 11 02:08	0°♁			1773 Apr 29 17:49	0°♁	
	1770 Oct 07 15:18	0°♁			1773 May 24 03:18	0°♁	
evening max el	1770 Oct 30 10:02	24°♁03'32	47°06'47				
	1770 Nov 05 11:40	0°♁		superior conj	1773 Jun 04 19:01	14°♁19'09	0°00'-27
greatest brilliancy	1770 Dec 07 23:42	24°♁18'32	-4.7m	minimum elong	1773 Jun 04 19:06	14°♁19'25	0°00'28
asc. node	1770 Dec 19 04:26	26°♁59'50		behind sun begin	1773 Jun 03 20:31	13°♁10'04	
retrograde	1770 Dec 20 00:29	27°♁00'41		behind sun end	1773 Jun 05 17:41	15°♁28'46	
evening set	1771 Jan 03 20:17	22°♁36'16		max. Earth dist.	1773 Jun 04 22:27	14°♁29'42	1.73562 AU
min. Earth dist.	1771 Jan 08 19:24	19°♁40'22	0.26625 AU	asc. node	1773 Jun 04 23:40	14°♁33'27	
inferior conj	1771 Jan 09 13:36	19°♁12'25	5°12'21		1773 Jun 17 13:22	0°♁	
minimum elong	1771 Jan 09 03:44	19°♁27'34	5°09'46	evening rise	1773 Jul 10 21:44	28°♁41'34	
morning rise	1771 Jan 14 11:41	16°♁16'49			1773 Jul 11 23:16	0°♁	
direct	1771 Jan 29 23:23	11°♁33'56			1773 Aug 05 08:59	0°♁	
greatest brilliancy	1771 Feb 09 21:33	13°♁48'48	-4.6m		1773 Aug 29 19:29	0°♁	
	1771 Mar 06 07:01	0°♁			1773 Sep 23 08:07	0°♁	
morning max el	1771 Mar 20 22:39	13°♁38'18	46°31'53	desc. node	1773 Sep 24 13:04	1°♁28'20	
	1771 Apr 05 19:28	0°♁			1773 Oct 18 00:19	0°♁	
desc. node	1771 Apr 09 17:58	4°♁13'59			1773 Nov 11 22:31	0°♁	
	1771 May 02 22:00	0°♁			1773 Dec 07 09:32	0°♁	
	1771 May 28 21:34	0°♁			1774 Jan 03 06:00	0°♁	
	1771 Jun 23 07:49	0°♁		evening max el	1774 Jan 10 11:05	7°♁30'58	47°07'45
asc. node	1771 Jul 18 08:44	0°♁		asc. node	1774 Jan 15 16:19	12°♁44'28	
	1771 Jul 31 21:19	16°♁22'45			1774 Feb 04 09:06	0°♁	
	1771 Aug 12 01:18	0°♁		greatest brilliancy	1774 Feb 16 15:45	7°♁35'22	-4.6m
	1771 Sep 05 10:18	0°♁		retrograde	1774 Mar 02 06:20	11°♁00'46	
morning set	1771 Sep 15 10:43	12°♁25'35		evening set	1774 Mar 20 01:24	4°♁53'46	
	1771 Sep 29 13:24	0°♁		min. Earth dist.	1774 Mar 23 01:45	3°♁00'54	0.28152 AU
max. Earth dist.	1771 Oct 20 16:26	26°♁25'38	1.71618 AU	inferior conj	1774 Mar 23 09:14	2°♁49'05	8°16'17
				minimum elong	1774 Mar 23 15:29	2°♁39'12	8°15'41
superior conj	1771 Oct 23 06:08	29°♁38'56	1°00'36	morning rise	1774 Mar 27 05:46	0°♁25'32	
minimum elong	1771 Oct 23 16:31	0°♁11'26	1°00'14		1774 Mar 27 23:00	30°♁	
	1771 Oct 23 12:52	0°♁		direct	1774 Apr 13 09:12	24°♁45'40	
	1771 Nov 16 10:42	0°♁		greatest brilliancy	1774 Apr 24 19:01	27°♁06'46	-4.5m
desc. node	1771 Nov 20 10:46	5°♁01'27			1774 Apr 30 21:29	0°♁	
evening rise	1771 Dec 02 14:13	20°♁16'09		desc. node	1774 May 07 05:31	3°♁53'53	
	1771 Dec 10 08:13	0°♁		morning max el	1774 Jun 01 08:42	24°♁59'23	45°51'17
	1772 Jan 03 06:27	0°♁			1774 Jun 06 11:57	0°♁	
	1772 Jan 27 07:00	0°♁			1774 Jul 04 23:22	0°♁	
	1772 Feb 20 12:45	0°♁			1774 Jul 31 11:42	0°♁	
asc. node	1772 Mar 12 14:10	25°♁41'06			1774 Aug 25 23:37	0°♁	
	1772 Mar 16 04:00	0°♁		asc. node	1774 Aug 28 09:15	2°♁52'21	
	1772 Apr 10 11:02	0°♁			1774 Sep 19 18:57	0°♁	
	1772 May 06 21:36	0°♁			1774 Oct 14 02:46	0°♁	
evening max el	1772 Jun 03 18:17	28°♁53'39	45°22'40		1774 Nov 07 03:30	0°♁	
	1772 Jun 04 22:06	0°♁		morning set	1774 Nov 26 22:45	24°♁51'47	
desc. node	1772 Jul 02 03:22	21°♁49'33			1774 Dec 01 00:45	0°♁	
greatest brilliancy	1772 Jul 09 07:51	25°♁32'40	-4.5m	desc. node	1774 Dec 17 22:30	21°♁16'32	

	1774 Dec 24 20:52	0°☾		min. Earth dist.	1777 Jun 01 13:39	11°♊17'58	0.28884 AU
				desc. node	1777 Jun 03 17:27	9°♊57'08	
superior conj	1775 Jan 07 09:19	17°☾00'45	0°-46'-23	morning rise	1777 Jun 07 23:47	7°♊26'48	
minimum elong	1775 Jan 06 22:30	16°☾26'44	0°45'56	direct	1777 Jun 23 04:18	3°♊00'41	
max. Earth dist.	1775 Jan 09 01:53	19°☾08'17	1.71124 AU	greatest brilliancy	1777 Jul 06 12:18	6°♊07'51	-4.5m
	1775 Jan 17 17:15	0°≈			1777 Aug 08 00:22	0°☾	
	1775 Feb 10 15:09	0°♋		morning max el	1777 Aug 11 00:24	2°☾50'17	45°48'24
evening rise	1775 Feb 17 14:28	8°♋43'09			1777 Sep 06 06:49	0°♌	
	1775 Mar 06 16:08	0°♍		asc. node	1777 Sep 24 21:07	20°♌55'38	
	1775 Mar 30 22:02	0°♎			1777 Oct 02 16:28	0°♍	
asc. node	1775 Apr 10 02:04	12°♎29'14			1777 Oct 27 19:13	0°♎	
	1775 Apr 24 10:40	0°♏			1777 Nov 21 05:41	0°♎	
	1775 May 19 08:07	0°☾			1777 Dec 15 08:02	0°♏	
	1775 Jun 13 18:04	0°♐			1778 Jan 08 07:09	0°☾	
	1775 Jul 10 00:40	0°♑		desc. node	1778 Jan 14 10:26	7°☾41'23	
desc. node	1775 Jul 30 15:11	22°♑19'34			1778 Feb 01 05:42	0°≈	
	1775 Aug 07 01:58	0°♒		morning set	1778 Feb 12 03:02	13°≈37'56	
evening max el	1775 Aug 15 14:35	8°♒24'37	45°57'28		1778 Feb 25 05:13	0°♋	
	1775 Sep 10 11:10	0°♓			1778 Mar 21 06:50	0°♍	
greatest brilliancy	1775 Sep 23 05:15	6°♓42'37	-4.6m				
retrograde	1775 Oct 03 19:37	8°♓45'00		superior conj	1778 Mar 24 07:12	3°♍44'56	-1°-21'00
evening set	1775 Oct 20 01:27	3°♓42'58		minimum elong	1778 Mar 24 14:02	4°♍06'10	1°20'54
inferior conj	1775 Oct 24 14:29	1°♓01'14	-6°-14'-54	max. Earth dist.	1778 Mar 28 05:00	8°♍36'14	1.72408 AU
minimum elong	1775 Oct 25 01:03	0°♓45'09	6°12'33		1778 Apr 14 11:28	0°♎	
min. Earth dist.	1775 Oct 25 11:51	0°♓28'43	0.27168 AU	evening rise	1778 May 01 23:27	21°♎35'19	
	1775 Oct 26 06:48	30°♒		asc. node	1778 May 07 13:52	28°♎28'40	
morning rise	1775 Oct 30 00:06	27°♒49'39			1778 May 08 19:36	0°♏	
direct	1775 Nov 14 09:39	23°♒09'33			1778 Jun 02 07:18	0°☾	
asc. node	1775 Nov 20 18:31	23°♒57'16			1778 Jun 26 22:51	0°♐	
greatest brilliancy	1775 Nov 28 04:01	26°♒38'57	-4.7m		1778 Jul 21 19:26	0°♑	
	1775 Dec 04 05:34	0°♓			1778 Aug 15 23:45	0°♒	
morning max el	1776 Jan 04 04:54	26°♓39'23	46°57'30	desc. node	1778 Aug 27 03:09	13°♒05'59	
	1776 Jan 07 10:52	0°♏			1778 Sep 10 16:41	0°♓	
	1776 Feb 03 17:35	0°☾			1778 Oct 07 09:03	0°♏	
	1776 Feb 29 10:35	0°≈		evening max el	1778 Oct 27 23:58	21°♏39'34	47°04'57
desc. node	1776 Mar 11 08:12	12°≈57'49			1778 Nov 05 14:46	0°☾	
	1776 Mar 25 13:20	0°♋		greatest brilliancy	1778 Dec 05 14:51	21°☾51'50	-4.7m
	1776 Apr 19 09:59	0°♍		retrograde	1778 Dec 17 12:53	24°☾30'38	
	1776 May 14 03:52	0°♎		asc. node	1778 Dec 18 06:29	24°☾29'59	
	1776 Jun 07 19:50	0°♏		evening set	1779 Jan 01 06:22	20°☾10'37	
	1776 Jul 02 09:20	0°☾		min. Earth dist.	1779 Jan 06 08:54	17°☾09'51	0.26588 AU
asc. node	1776 Jul 02 11:33	0°☾06'47		inferior conj	1779 Jan 07 02:00	16°☾43'33	4°52'25
morning set	1776 Jul 05 17:28	4°☾05'21		minimum elong	1779 Jan 06 16:30	16°☾58'09	4°49'50
	1776 Jul 26 19:31	0°♐		morning rise	1779 Jan 12 03:07	13°☾43'33	
max. Earth dist.	1776 Aug 08 01:41	15°♐07'16	1.73095 AU	direct	1779 Jan 27 11:32	9°☾05'44	
				greatest brilliancy	1779 Feb 07 11:07	11°☾21'34	-4.6m
superior conj	1776 Aug 11 02:16	18°♐51'37	1°16'04		1779 Mar 06 14:27	0°≈	
minimum elong	1776 Aug 10 19:11	18°♐29'41	1°15'55	morning max el	1779 Mar 18 10:46	11°≈11'26	46°33'21
	1776 Aug 20 02:16	0°♑			1779 Apr 05 14:01	0°♋	
	1776 Sep 13 06:30	0°♒		desc. node	1779 Apr 08 19:54	3°♋30'47	
evening rise	1776 Sep 16 15:08	4°♒10'36			1779 May 02 12:48	0°♍	
	1776 Oct 07 09:34	0°♓			1779 May 28 10:38	0°♎	
desc. node	1776 Oct 22 00:56	18°♓12'29			1779 Jun 22 19:55	0°♏	
	1776 Oct 31 12:38	0°♏			1779 Jul 17 20:17	0°☾	
	1776 Nov 24 16:33	0°☾		asc. node	1779 Jul 30 23:25	15°☾54'40	
	1776 Dec 18 22:55	0°≈			1779 Aug 11 12:32	0°♐	
	1777 Jan 12 11:37	0°♋			1779 Sep 04 21:22	0°♑	
	1777 Feb 06 14:43	0°♍		morning set	1779 Sep 13 02:48	10°♑12'09	
asc. node	1777 Feb 12 04:14	6°♍28'52			1779 Sep 29 00:25	0°♒	
	1777 Mar 05 01:34	0°♎		max. Earth dist.	1779 Oct 18 02:33	23°♒52'27	1.71662 AU
evening max el	1777 Mar 22 20:28	18°♎31'22	46°02'31				
	1777 Apr 04 03:47	0°♏		superior conj	1779 Oct 20 19:59	27°♒17'22	1°03'04
greatest brilliancy	1777 Apr 26 08:40	15°♏40'46	-4.5m	minimum elong	1779 Oct 21 06:16	27°♒49'34	1°02'44
retrograde	1777 May 11 04:34	19°♏32'16			1779 Oct 22 23:54	0°♐	
evening set	1777 May 26 07:23	15°♏04'17			1779 Nov 15 21:50	0°♑	
inferior conj	1777 Jun 01 14:19	11°♏16'54	0°30'13	desc. node	1779 Nov 19 12:47	4°♑32'50	
minimum elong	1777 Jun 01 15:26	11°♏15'10	0°29'53	evening rise	1779 Nov 30 01:12	17°♑44'52	

	1779 Dec 09 19:29	0°☾		morning max el	1782 May 30 00:16	22°♃46'59	45°52'13
	1780 Jan 02 17:50	0°≈			1782 Jun 06 08:30	0°♄	
	1780 Jan 26 18:34	0°♁			1782 Jul 04 14:32	0°♂	
	1780 Feb 20 00:37	0°♃			1782 Jul 31 00:46	0°♅	
asc. node	1780 Mar 11 16:08	25°♃09'43			1782 Aug 25 11:37	0°♆	
	1780 Mar 15 16:27	0°♄		asc. node	1782 Aug 27 11:15	2°♆22'36	
	1780 Apr 10 00:36	0°♂			1782 Sep 19 06:24	0°♇	
	1780 May 06 13:39	0°♅			1782 Oct 13 13:57	0°♈	
evening max el	1780 Jun 01 08:31	26°♅38'34	45°22'49		1782 Nov 06 14:36	0°♉	
	1780 Jun 04 21:44	0°♆		morning set	1782 Nov 24 10:20	22°♉22'36	
desc. node	1780 Jul 01 05:27	20°♆28'24			1782 Nov 30 11:49	0°♊	
greatest brilliancy	1780 Jul 06 20:27	23°♆17'58	-4.5m	desc. node	1782 Dec 17 00:39	20°♊48'39	
retrograde	1780 Jul 19 21:45	26°♆17'37			1782 Dec 24 07:53	0°♋	
evening set	1780 Aug 05 19:57	20°♆55'58					
inferior conj	1780 Aug 10 08:34	18°♆11'01	-7°-41'-18	superior conj	1783 Jan 04 19:00	14°♋25'38	0°-42'-56
minimum elong	1780 Aug 10 00:16	18°♆23'56	7°40'12	minimum elong	1783 Jan 04 08:42	13°♋53'14	0°42'30
min. Earth dist.	1780 Aug 10 13:43	18°♆03'00	0.28831 AU	max. Earth dist.	1783 Jan 06 08:44	16°♋24'19	1.71105 AU
morning rise	1780 Aug 14 04:20	15°♆50'00			1783 Jan 17 04:13	0°≈	
direct	1780 Aug 31 21:51	9°♆55'39			1783 Feb 10 02:05	0°♁	
greatest brilliancy	1780 Sep 15 07:47	13°♆34'11	-4.5m	evening rise	1783 Feb 15 01:39	6°♁13'58	
	1780 Oct 08 12:53	0°♇			1783 Mar 06 03:05	0°♃	
morning max el	1780 Oct 20 18:21	11°♇32'05	46°26'17		1783 Mar 30 09:05	0°♄	
asc. node	1780 Oct 22 08:45	13°♇08'20		asc. node	1783 Apr 09 04:02	12°♄01'06	
	1780 Nov 07 07:43	0°♈			1783 Apr 23 22:00	0°♂	
	1780 Dec 03 13:03	0°♉			1783 May 18 20:01	0°♅	
	1780 Dec 28 12:59	0°♊			1783 Jun 13 07:01	0°♆	
	1781 Jan 22 00:55	0°♋			1783 Jul 09 15:47	0°♇	
desc. node	1781 Feb 10 22:18	24°♋32'40		desc. node	1783 Jul 29 17:18	21°♇36'52	
	1781 Feb 15 08:13	0°≈			1783 Aug 06 22:32	0°♈	
	1781 Mar 11 14:16	0°♁		evening max el	1783 Aug 13 05:09	6°♈08'42	45°55'17
	1781 Apr 04 20:50	0°♃			1783 Sep 11 18:10	0°♉	
morning set	1781 Apr 26 08:24	26°♃29'26		greatest brilliancy	1783 Sep 20 16:27	4°♉19'08	-4.6m
	1781 Apr 29 04:48	0°♄		retrograde	1783 Oct 01 08:42	6°♉22'31	
	1781 May 23 14:09	0°♂		evening set	1783 Oct 17 17:37	1°♉15'39	
					1783 Oct 19 21:21	30°♊	
superior conj	1781 Jun 02 12:37	12°♂12'39	0°-3'-42	inferior conj	1783 Oct 22 03:33	28°♊37'57	-6°-30'-41
minimum elong	1781 Jun 02 13:23	12°♂15'01	0°03'40	minimum elong	1783 Oct 22 14:06	28°♊21'52	6°28'27
behind sun begin	1781 Jun 01 15:10	11°♂06'44		min. Earth dist.	1783 Oct 23 00:56	28°♊05'22	0.27236 AU
behind sun end	1781 Jun 03 11:37	13°♂23'17		morning rise	1783 Oct 27 10:06	25°♊30'33	
max. Earth dist.	1781 Jun 02 17:36	12°♂27'57	1.73549 AU	direct	1783 Nov 12 00:07	20°♊45'23	
asc. node	1781 Jun 04 01:46	14°♂06'43		asc. node	1783 Nov 19 20:40	21°♊57'16	
	1781 Jun 17 00:10	0°♅		greatest brilliancy	1783 Nov 25 18:47	24°♊15'36	-4.7m
evening rise	1781 Jul 08 16:32	26°♅38'31			1783 Dec 05 10:36	0°♋	
	1781 Jul 11 10:08	0°♆		morning max el	1784 Jan 01 19:47	24°♋17'36	46°57'19
	1781 Aug 04 20:03	0°♇			1784 Jan 07 07:55	0°♌	
	1781 Aug 29 06:55	0°♈			1784 Feb 03 09:23	0°♍	
	1781 Sep 22 20:03	0°♉			1784 Feb 29 00:12	0°≈	
desc. node	1781 Sep 23 15:01	0°♉57'47		desc. node	1784 Mar 10 10:07	12°≈24'36	
	1781 Oct 17 12:57	0°♊			1784 Mar 25 01:45	0°♁	
	1781 Nov 11 12:11	0°♋			1784 Apr 18 21:39	0°♃	
	1781 Dec 07 01:02	0°≈			1784 May 13 15:01	0°♄	
	1782 Jan 03 01:59	0°♁			1784 Jun 07 06:39	0°♂	
evening max el	1782 Jan 08 01:03	5°♁08'22	47°09'24	asc. node	1784 Jul 01 13:39	29°♂40'37	
asc. node	1782 Jan 14 18:25	11°♁50'09			1784 Jul 01 19:58	0°♅	
	1782 Feb 05 05:51	0°♃		morning set	1784 Jul 03 11:45	2°♅01'48	
greatest brilliancy	1782 Feb 14 07:25	5°♃17'50	-4.6m		1784 Jul 26 06:06	0°♆	
retrograde	1782 Feb 27 21:54	8°♃43'43		max. Earth dist.	1784 Aug 05 20:54	13°♆05'42	1.73135 AU
evening set	1782 Mar 17 18:33	2°♃33'35					
min. Earth dist.	1782 Mar 20 16:04	0°♃45'21	0.28113 AU	superior conj	1784 Aug 08 20:22	16°♆46'26	1°14'37
inferior conj	1782 Mar 21 00:22	0°♃32'14	8°23'17	minimum elong	1784 Aug 08 12:55	16°♆23'24	1°14'26
minimum elong	1782 Mar 21 05:59	0°♃23'24	8°22'47		1784 Aug 19 12:54	0°♇	
	1782 Mar 21 20:51	30°♁			1784 Sep 12 17:15	0°♈	
morning rise	1782 Mar 24 17:35	28°♁13'57		evening rise	1784 Sep 14 07:09	1°♈57'44	
direct	1782 Apr 10 23:26	22°♁29'21			1784 Oct 06 20:32	0°♉	
greatest brilliancy	1782 Apr 22 08:55	24°♁50'23	-4.5m	desc. node	1784 Oct 21 02:57	17°♉44'10	
	1782 May 02 08:03	0°♃			1784 Oct 30 23:52	0°♊	
desc. node	1782 May 06 07:37	2°♃39'22			1784 Nov 24 04:09	0°♋	

	1784 Dec 18 10:59	0°≈		1787 Aug 10 23:20	0°Ω		
	1785 Jan 12 00:24	0°✠		1787 Sep 04 08:02	0°♍		
	1785 Feb 06 04:47	0°Υ	morning set	1787 Sep 10 19:12	8°♍00'56		
asc. node	1785 Feb 11 06:13	5°Υ52'43		1787 Sep 28 11:05	0°♁		
	1785 Mar 04 18:40	0°♄	max. Earth dist.	1787 Oct 15 14:52	21°♁27'06	1.71715 AU	
evening max el	1785 Mar 20 12:42	16°♄20'12	46°04'55				
	1785 Apr 04 08:40	0°♁	superior conj	1787 Oct 18 10:00	24°♁57'16	1°05'25	
greatest brilliancy	1785 Apr 24 02:39	13°♁34'19	-4.5m	minimum elong	1787 Oct 18 20:07	25°♁28'57	1°05'06
retrograde	1785 May 08 21:15	17°♁24'10			1787 Oct 22 10:40	0°♍	
evening set	1785 May 24 01:07	12°♁55'06			1787 Nov 15 08:43	0°♁	
inferior conj	1785 May 30 06:53	9°♁08'56	0°49'58	desc. node	1787 Nov 18 14:57	4°♁05'26	
minimum elong	1785 May 30 08:43	9°♁06'03	0°49'26	evening rise	1787 Nov 27 12:07	15°♁14'09	
min. Earth dist.	1785 May 30 06:16	9°♁09'54	0.28868 AU		1787 Dec 09 06:30	0°♄	
desc. node	1785 Jun 02 19:32	6°♁57'48			1788 Jan 02 04:59	0°≈	
morning rise	1785 Jun 05 16:40	5°♁18'08			1788 Jan 26 05:54	0°✠	
direct	1785 Jun 20 20:57	0°♁53'09			1788 Feb 19 12:16	0°Υ	
greatest brilliancy	1785 Jul 04 01:52	3°♁57'01	-4.5m	asc. node	1788 Mar 10 18:08	24°Υ39'13	
	1785 Aug 07 23:03	0°♁			1788 Mar 15 04:41	0°♄	
morning max el	1785 Aug 08 15:56	0°♁40'13	45°47'30		1788 Apr 09 14:00	0°♁	
	1785 Sep 05 22:23	0°Ω			1788 May 06 05:38	0°♁	
asc. node	1785 Sep 23 23:04	20°Ω21'37		evening max el	1788 May 29 23:24	24°♁26'14	45°23'13
	1785 Oct 02 05:42	0°♍			1788 Jun 04 22:01	0°Ω	
	1785 Oct 27 07:25	0°♁		desc. node	1788 Jun 30 07:33	19°Ω06'11	
	1785 Nov 20 17:19	0°♍		greatest brilliancy	1788 Jul 04 08:19	21°Ω04'07	-4.5m
	1785 Dec 14 19:22	0°♁		retrograde	1788 Jul 17 13:40	24°Ω08'27	
	1786 Jan 07 18:17	0°♄		evening set	1788 Aug 03 08:32	18°Ω50'45	
desc. node	1786 Jan 13 12:26	7°♄12'56		inferior conj	1788 Aug 08 00:33	16°Ω01'06	-7°-31'-31
	1786 Jan 31 16:42	0°≈		minimum elong	1788 Aug 07 15:51	16°Ω14'38	7°30'16
morning set	1786 Feb 09 13:23	11°≈05'54		min. Earth dist.	1788 Aug 08 05:01	15°Ω54'10	0.28858 AU
	1786 Feb 24 16:06	0°✠		morning rise	1788 Aug 11 22:54	13°Ω36'24	
	1786 Mar 20 17:35	0°Υ		direct	1788 Aug 29 13:43	7°Ω45'13	
				greatest brilliancy	1788 Sep 13 00:44	11°Ω24'40	-4.5m
superior conj	1786 Mar 21 20:38	1°Υ24'05	-1°-22'-10		1788 Oct 08 16:03	0°♍	
minimum elong	1786 Mar 22 02:46	1°Υ43'07	1°22'05	morning max el	1788 Oct 18 09:47	9°♍17'06	46°24'41
max. Earth dist.	1786 Mar 25 21:43	6°Υ25'46	1.72348 AU	asc. node	1788 Oct 21 10:58	12°♍21'08	
	1786 Apr 13 22:08	0°♄			1788 Nov 07 00:40	0°♁	
evening rise	1786 Apr 29 15:24	19°♄23'50			1788 Dec 03 03:10	0°♍	
asc. node	1786 May 06 16:01	28°♄02'31			1788 Dec 28 01:50	0°♁	
	1786 May 08 06:15	0°♁			1789 Jan 21 13:03	0°♄	
	1786 Jun 01 18:06	0°♁		desc. node	1789 Feb 10 00:17	24°♄02'38	
	1786 Jun 26 09:58	0°Ω			1789 Feb 14 19:51	0°≈	
	1786 Jul 21 07:07	0°♍			1789 Mar 11 01:31	0°✠	
	1786 Aug 15 12:25	0°♁			1789 Apr 04 07:49	0°Υ	
desc. node	1786 Aug 26 05:03	12°♁32'44		morning set	1789 Apr 24 00:21	24°Υ17'20	
	1786 Sep 10 07:02	0°♍			1789 Apr 28 15:36	0°♄	
	1786 Oct 07 02:50	0°♁			1789 May 23 00:50	0°♁	
evening max el	1786 Oct 25 13:03	19°♁14'27	47°03'04				
	1786 Nov 05 19:11	0°♄		superior conj	1789 May 31 06:13	10°♁06'31	0°-6'-55
greatest brilliancy	1786 Dec 03 06:23	19°♄26'23	-4.7m	minimum elong	1789 May 31 07:39	10°♁10'59	0°06'51
retrograde	1786 Dec 15 00:55	22°♄01'39		behind sun begin	1789 May 30 10:54	9°♁07'12	
asc. node	1786 Dec 17 08:34	21°♄55'04		behind sun end	1789 Jun 01 04:25	11°♁14'45	
evening set	1786 Dec 29 16:37	17°♄45'26		max. Earth dist.	1789 May 31 13:51	10°♁30'00	1.73534 AU
min. Earth dist.	1787 Jan 03 22:47	14°♄39'48	0.26553 AU	asc. node	1789 Jun 03 03:51	13°♁40'26	
inferior conj	1787 Jan 04 14:25	14°♄15'46	4°31'46		1789 Jun 16 10:49	0°♁	
minimum elong	1787 Jan 04 05:21	14°♄29'42	4°29'14	evening rise	1789 Jul 06 11:35	24°♁36'46	
morning rise	1787 Jan 09 18:27	11°♄11'32			1789 Jul 10 20:50	0°Ω	
direct	1787 Jan 24 23:14	6°♄38'17			1789 Aug 04 06:56	0°♍	
greatest brilliancy	1787 Feb 05 01:39	8°♄56'23	-4.6m		1789 Aug 28 18:08	0°♁	
	1787 Mar 06 19:16	0°≈			1789 Sep 22 07:47	0°♍	
morning max el	1787 Mar 15 22:44	8°≈45'03	46°34'53	desc. node	1789 Sep 22 17:09	0°♁28'29	
	1787 Apr 05 07:42	0°✠			1789 Oct 17 01:26	0°♁	
desc. node	1787 Apr 07 21:58	2°✠49'37			1789 Nov 11 01:48	0°♄	
	1787 May 02 03:03	0°Υ			1789 Dec 06 16:43	0°≈	
	1787 May 27 23:13	0°♄			1790 Jan 02 22:42	0°✠	
	1787 Jun 22 07:34	0°♁		evening max el	1790 Jan 05 16:03	2°✠48'06	47°10'48
	1787 Jul 17 07:23	0°♁		asc. node	1790 Jan 13 20:25	10°✠54'08	
asc. node	1787 Jul 30 01:25	15°♁27'38			1790 Feb 06 10:56	0°Υ	

greatest brilliancy	1790 Feb 11 22:51	2°♃59'08	-4.6m			1792 Jul 25 16:55	0°♋		
retrograde	1790 Feb 25 13:41	6°♃25'20		max. Earth dist.		1792 Aug 03 14:33	10°♋58'37	1.73172 AU	
evening set	1790 Mar 15 11:10	0°♃12'30							
	1790 Mar 15 19:20	30°♋		superior conj		1792 Aug 06 14:23	14°♋40'21	1°13'02	
min. Earth dist.	1790 Mar 18 05:46	28°♋28'54	0.28070 AU	minimum elong		1792 Aug 06 06:36	14°♋16'19	1°12'51	
inferior conj	1790 Mar 18 15:11	28°♋14'04	8°29'25			1792 Aug 18 23:46	0°♌		
minimum elong	1790 Mar 18 20:07	28°♋06'19	8°29'03	evening rise		1792 Sep 11 23:19	29°♌44'40		
morning rise	1790 Mar 22 05:15	26°♋00'49				1792 Sep 12 04:16	0°♌		
direct	1790 Apr 08 13:45	20°♋11'53				1792 Oct 06 07:44	0°♌		
greatest brilliancy	1790 Apr 19 21:32	22°♋31'49	-4.5m	desc. node		1792 Oct 20 05:06	17°♌15'37		
	1790 May 03 08:53	0°♃				1792 Oct 30 11:19	0°♌		
desc. node	1790 May 05 09:46	1°♃26'48				1792 Nov 23 15:55	0°♌		
morning max el	1790 May 27 16:14	20°♃35'25	45°53'13			1792 Dec 17 23:14	0°♌		
	1790 Jun 06 04:26	0°♌				1793 Jan 11 13:23	0°♌		
	1790 Jul 04 05:28	0°♌				1793 Feb 05 19:12	0°♃		
	1790 Jul 30 13:41	0°♌		asc. node		1793 Feb 10 08:14	5°♃15'42		
	1790 Aug 24 23:31	0°♋				1793 Mar 04 12:28	0°♌		
asc. node	1790 Aug 26 13:14	1°♋53'01		evening max el		1793 Mar 18 04:06	14°♌05'34	46°07'02	
	1790 Sep 18 17:46	0°♌				1793 Apr 04 16:26	0°♌		
	1790 Oct 13 01:04	0°♌		greatest brilliancy		1793 Apr 21 20:30	11°♌25'45	-4.5m	
	1790 Nov 06 01:36	0°♌		retrograde		1793 May 06 13:13	15°♌13'58		
morning set	1790 Nov 21 22:29	19°♌55'27		evening set		1793 May 21 18:44	10°♌43'30		
	1790 Nov 29 22:47	0°♌		inferior conj		1793 May 27 23:14	6°♌58'56	1°09'51	
desc. node	1790 Dec 16 02:40	20°♌20'27		minimum elong		1793 May 28 01:46	6°♌54'55	1°09'06	
	1790 Dec 23 18:52	0°♌		min. Earth dist.		1793 May 27 23:02	6°♌59'14	0.28853 AU	
				desc. node		1793 Jun 01 21:33	3°♌57'40		
superior conj	1791 Jan 02 04:39	11°♌50'18	0°-39'-23	morning rise		1793 Jun 03 09:06	3°♌07'32		
minimum elong	1791 Jan 01 18:59	11°♌19'54	0°38'59			1793 Jun 10 11:39	30°♌		
max. Earth dist.	1791 Jan 03 17:42	13°♌46'52	1.71097 AU	direct		1793 Jun 18 12:53	28°♌43'29		
	1791 Jan 16 15:14	0°♌				1793 Jun 26 21:30	0°♌		
	1791 Feb 09 13:09	0°♌		greatest brilliancy		1793 Jul 01 15:49	1°♌44'41	-4.5m	
evening rise	1791 Feb 12 12:19	3°♌42'39		morning max el		1793 Aug 06 06:38	28°♌26'49	45°46'49	
	1791 Mar 05 14:12	0°♃				1793 Aug 07 21:24	0°♌		
	1791 Mar 29 20:20	0°♌				1793 Sep 05 14:08	0°♋		
asc. node	1791 Apr 08 06:11	11°♌33'00		asc. node		1793 Sep 23 01:15	19°♋47'25		
	1791 Apr 23 09:31	0°♌				1793 Oct 01 19:11	0°♌		
	1791 May 18 08:07	0°♌				1793 Oct 26 19:51	0°♌		
	1791 Jun 12 20:14	0°♋				1793 Nov 20 05:13	0°♌		
	1791 Jul 09 07:17	0°♌				1793 Dec 14 06:56	0°♌		
desc. node	1791 Jul 28 19:16	20°♌52'51		desc. node		1794 Jan 07 05:39	0°♌		
	1791 Aug 06 19:58	0°♌				1794 Jan 12 14:27	6°♌43'46		
evening max el	1791 Aug 10 20:00	3°♌53'14	45°53'12			1794 Jan 31 03:55	0°♌		
	1791 Sep 13 15:27	0°♌		morning set		1794 Feb 07 00:01	8°♌34'01		
greatest brilliancy	1791 Sep 18 04:46	1°♌57'20	-4.6m			1794 Feb 24 03:11	0°♌		
retrograde	1791 Sep 28 21:33	4°♌00'38							
	1791 Oct 13 06:37	30°♌		superior conj		1794 Mar 19 10:11	29°♌02'48	-1°-23'-10	
evening set	1791 Oct 15 10:03	28°♌49'13		minimum elong		1794 Mar 19 15:34	29°♌19'32	1°23'08	
inferior conj	1791 Oct 19 16:52	26°♌15'34	-6°-45'-38			1794 Mar 20 04:35	0°♃		
minimum elong	1791 Oct 20 03:19	25°♌59'36	6°43'31	max. Earth dist.		1794 Mar 23 13:03	4°♃10'06	1.72293 AU	
min. Earth dist.	1791 Oct 20 14:22	25°♌42'45	0.27297 AU			1794 Apr 13 09:06	0°♌		
morning rise	1791 Oct 24 20:10	23°♌12'23		evening rise		1794 Apr 27 07:10	17°♌10'37		
direct	1791 Nov 09 14:34	18°♌22'17		asc. node		1794 May 05 18:03	27°♌34'51		
asc. node	1791 Nov 18 22:41	20°♌02'29				1794 May 07 17:18	0°♌		
greatest brilliancy	1791 Nov 23 08:49	21°♌51'55	-4.7m			1794 Jun 01 05:19	0°♌		
	1791 Dec 06 07:29	0°♌				1794 Jun 25 21:31	0°♋		
morning max el	1791 Dec 30 09:51	21°♌53'54	46°56'55			1794 Jul 20 19:16	0°♌		
	1792 Jan 07 04:13	0°♌				1794 Aug 15 01:34	0°♌		
	1792 Feb 03 01:00	0°♌		desc. node		1794 Aug 25 07:11	11°♌58'46		
	1792 Feb 28 13:51	0°♌				1794 Sep 09 21:59	0°♌		
desc. node	1792 Mar 09 12:12	11°♌51'28				1794 Oct 06 21:30	0°♌		
	1792 Mar 24 14:20	0°♌		evening max el		1794 Oct 23 01:37	16°♌47'08	47°01'14	
	1792 Apr 18 09:33	0°♃				1794 Nov 06 02:05	0°♌		
	1792 May 13 02:26	0°♌		greatest brilliancy		1794 Nov 30 21:24	16°♌59'19	-4.7m	
	1792 Jun 06 17:44	0°♌		retrograde		1794 Dec 12 13:03	19°♌32'04		
asc. node	1792 Jun 30 15:36	29°♌13'17		asc. node		1794 Dec 16 10:35	19°♌13'22		
morning set	1792 Jul 01 05:44	29°♌56'33		evening set		1794 Dec 27 03:05	15°♌18'53		
	1792 Jul 01 06:51	0°♌		min. Earth dist.		1795 Jan 01 12:45	12°♌08'51	0.26520 AU	

inferior conj	1795 Jan 02 02:52	11°♁47'12	4°10'30			1797 Jun 15 21:41	0°♁		
minimum elong	1795 Jan 01 18:18	12°♁00'21	4°08'02	evening rise		1797 Jul 04 06:46	22°♁34'41		
morning rise	1795 Jan 07 09:44	8°♁39'05				1797 Jul 10 07:47	0°♁		
direct	1795 Jan 22 10:49	4°♁09'50				1797 Aug 03 18:08	0°♁		
greatest brilliancy	1795 Feb 02 16:43	6°♁31'08	-4.7m			1797 Aug 28 05:43	0°♁		
	1795 Mar 06 22:34	0°♁				1797 Sep 21 19:55	0°♁		
morning max el	1795 Mar 13 11:23	6°♁19'33	46°36'31	desc. node		1797 Sep 21 19:13	29°♁57'53		
	1795 Apr 05 01:12	0°♁				1797 Oct 16 14:19	0°♁		
desc. node	1795 Apr 07 00:09	2°♁08'37				1797 Nov 10 15:51	0°♁		
	1795 May 01 17:23	0°♁				1797 Dec 06 08:56	0°♁		
	1795 May 27 12:03	0°♁				1798 Jan 02 20:26	0°♁		
	1795 Jun 21 19:34	0°♁		evening max el		1798 Jan 03 07:50	0°♁29'07	47°12'10	
	1795 Jul 16 18:53	0°♁		asc. node		1798 Jan 12 22:29	9°♁56'26		
asc. node	1795 Jul 29 03:29	14°♁59'30				1798 Feb 08 05:49	0°♁		
	1795 Aug 10 10:32	0°♁		greatest brilliancy		1798 Feb 09 14:50	0°♁40'28	-4.6m	
	1795 Sep 03 19:06	0°♁		retrograde		1798 Feb 23 05:33	4°♁06'00		
morning set	1795 Sep 08 11:24	5°♁47'59				1798 Mar 09 10:44	30°♁		
	1795 Sep 27 22:07	0°♁		evening set		1798 Mar 13 03:33	27°♁51'08		
max. Earth dist.	1795 Oct 13 05:08	19°♁06'46	1.71764 AU	min. Earth dist.		1798 Mar 15 19:18	26°♁11'55	0.28022 AU	
				inferior conj		1798 Mar 16 06:00	25°♁55'07	8°34'47	
superior conj	1795 Oct 15 23:55	22°♁35'46	1°07'40	minimum elong		1798 Mar 16 10:11	25°♁48'31	8°34'32	
minimum elong	1795 Oct 16 09:46	23°♁06'39	1°07'21	morning rise		1798 Mar 19 17:02	23°♁46'35		
	1795 Oct 21 21:46	0°♁		direct		1798 Apr 06 04:27	17°♁53'53		
	1795 Nov 14 19:58	0°♁		greatest brilliancy		1798 Apr 17 09:16	20°♁11'38	-4.5m	
desc. node	1795 Nov 17 16:55	3°♁36'19				1798 May 04 03:24	0°♁		
evening rise	1795 Nov 24 23:06	12°♁42'41		desc. node		1798 May 04 11:42	0°♁15'29		
	1795 Dec 08 17:52	0°♁		morning max el		1798 May 25 08:05	18°♁23'11	45°54'19	
	1796 Jan 01 16:29	0°♁				1798 Jun 05 23:53	0°♁		
	1796 Jan 25 17:33	0°♁				1798 Jul 03 20:19	0°♁		
	1796 Feb 19 00:14	0°♁				1798 Jul 30 02:37	0°♁		
asc. node	1796 Mar 09 20:19	24°♁08'20				1798 Aug 24 11:31	0°♁		
	1796 Mar 14 17:14	0°♁		asc. node		1798 Aug 25 15:25	1°♁23'39		
	1796 Apr 09 03:46	0°♁				1798 Sep 18 05:19	0°♁		
	1796 May 05 22:12	0°♁				1798 Oct 12 12:24	0°♁		
evening max el	1796 May 27 15:02	22°♁14'46	45°23'30			1798 Nov 05 12:51	0°♁		
	1796 Jun 05 00:03	0°♁		morning set		1798 Nov 19 10:27	17°♁27'05		
desc. node	1796 Jun 29 09:31	17°♁39'47				1798 Nov 29 09:59	0°♁		
greatest brilliancy	1796 Jul 01 19:55	18°♁48'37	-4.5m	desc. node		1798 Dec 15 04:41	19°♁51'37		
retrograde	1796 Jul 15 05:43	21°♁57'37				1798 Dec 23 06:03	0°♁		
evening set	1796 Jul 31 20:58	16°♁43'56							
inferior conj	1796 Aug 05 16:21	13°♁49'29	-7°-20'-55	superior conj		1798 Dec 30 14:06	9°♁13'53	0°-35'-45	
minimum elong	1796 Aug 05 07:18	14°♁03'32	7°19'33	minimum elong		1798 Dec 30 05:11	8°♁45'47	0°35'22	
min. Earth dist.	1796 Aug 05 19:54	13°♁43'59	0.28885 AU	max. Earth dist.		1799 Jan 01 01:59	11°♁06'44	1.71083 AU	
morning rise	1796 Aug 09 17:24	11°♁20'58				1799 Jan 16 02:24	0°♁		
direct	1796 Aug 27 06:00	5°♁33'09				1799 Feb 09 00:20	0°♁		
greatest brilliancy	1796 Sep 10 17:24	9°♁13'24	-4.5m	evening rise		1799 Feb 09 22:51	1°♁10'27		
	1796 Oct 08 18:18	0°♁				1799 Mar 05 01:27	0°♁		
morning max el	1796 Oct 16 01:47	7°♁02'30	46°23'08			1799 Mar 29 07:42	0°♁		
asc. node	1796 Oct 20 12:59	11°♁32'58		asc. node		1799 Apr 07 08:13	11°♁04'06		
	1796 Nov 06 17:44	0°♁				1799 Apr 22 21:10	0°♁		
	1796 Dec 02 17:29	0°♁				1799 May 17 20:19	0°♁		
	1796 Dec 27 14:55	0°♁				1799 Jun 12 09:34	0°♁		
	1797 Jan 21 01:25	0°♁				1799 Jul 08 23:01	0°♁		
desc. node	1797 Feb 09 02:21	23°♁32'03		desc. node		1799 Jul 27 21:23	20°♁08'45		
	1797 Feb 14 07:43	0°♁				1799 Aug 06 18:14	0°♁		
	1797 Mar 10 13:02	0°♁		evening max el		1799 Aug 08 10:04	1°♁35'57	45°50'56	
	1797 Apr 03 19:03	0°♁		greatest brilliancy		1799 Sep 15 17:37	29°♁36'06	-4.6m	
morning set	1797 Apr 21 16:31	22°♁05'08				1799 Sep 16 21:00	0°♁		
	1797 Apr 28 02:37	0°♁		retrograde		1799 Sep 26 09:50	1°♁38'43		
	1797 May 22 11:43	0°♁				1799 Oct 05 13:00	30°♁		
				evening set		1799 Oct 13 02:27	26°♁22'46		
superior conj	1797 May 28 23:58	8°♁00'12	0°-10'-5	inferior conj		1799 Oct 17 06:15	23°♁53'10	-6°-59'-37	
minimum elong	1797 May 29 02:05	8°♁06'43	0°10'00	minimum elong		1799 Oct 17 16:31	23°♁37'27	6°57'40	
behind sun begin	1797 May 28 08:09	7°♁11'36		min. Earth dist.		1799 Oct 18 04:08	23°♁19'40	0.27366 AU	
behind sun end	1797 May 29 20:01	9°♁01'50		morning rise		1799 Oct 22 06:08	20°♁54'15		
max. Earth dist.	1797 May 29 12:28	8°♁38'38	1.73519 AU	direct		1799 Nov 07 04:41	15°♁58'53		
asc. node	1797 Jun 02 05:49	13°♁13'09		asc. node		1799 Nov 18 00:42	18°♁11'36		

greatest brilliancy	1799 Nov 20 23:49	19°♁28'53	-4.6m
	1799 Dec 06 23:20	0°♁	
morning max el	1799 Dec 27 23:00	19°♁27'09	46°56'33
	1800 Jan 07 00:08	0°♁	
	1800 Feb 02 16:32	0°♁	
	1800 Feb 28 03:28	0°♁	
desc. node	1800 Mar 09 14:22	11°♁18'39	
	1800 Mar 25 02:52	0°♁	
	1800 Apr 18 21:23	0°♁	
	1800 May 13 13:48	0°♁	
	1800 Jun 07 04:46	0°♁	
morning set	1800 Jun 30 00:03	27°♁52'32	
asc. node	1800 Jun 30 17:44	28°♁46'39	
	1800 Jul 01 17:41	0°♁	
	1800 Jul 26 03:39	0°♁	
max. Earth dist.	1800 Aug 02 08:42	8°♁53'26	1.73208 AU
superior conj	1800 Aug 05 08:52	12°♁36'09	1°11'23
	1800 Aug 05 00:49	12°♁11'17	1°11'11
minimum elong	1800 Aug 19 10:32	0°♁	