

conjunction	1699 May 30 22:20	9°♂33'34	0°25'24	greatest brilliancy	1704 Sep 25 17:07	4°♃07'52	-2.7m
minimum elong	1699 May 30 21:00	9°♂31'15	0°25'24	opposition	1704 Sep 26 21:51	3°♃46'09	-4°-27'-24
	1699 Jun 29 23:29	0°♄			1704 Oct 11 03:55	30°♂	
max. Earth dist.	1699 Jun 29 23:06	29°♂59'22	2.56971 AU	direct	1704 Oct 27 06:13	28°♂18'17	
morning rise	1699 Jul 23 01:54	15°♄17'58			1704 Nov 12 13:26	0°♃	
	1699 Aug 14 17:38	0°♂		asc. node	1704 Dec 10 00:10	8°♃46'37	
	1699 Oct 01 07:16	0°♄			1705 Jan 21 10:14	0°♄	
	1699 Nov 20 00:27	0°♃			1705 Mar 13 10:52	0°♂	
	1700 Jan 13 10:40	0°♄			1705 May 01 09:56	0°♄	
retrograde	1700 Apr 03 05:36	25°♄29'26			1705 Jun 18 21:14	0°♂	
desc. node	1700 May 07 04:19	18°♄39'46			1705 Aug 05 18:54	0°♄	
opposition	1700 May 08 19:36	18°♄04'56	0°-4'-41	evening set	1705 Aug 12 03:07	4°♄00'52	
greatest brilliancy	1700 May 01 13:13	20°♄34'25	-2.0m	max. Earth dist.	1705 Sep 11 04:08	23°♄13'48	2.64775 AU
min. Earth dist.	1700 May 16 23:07	15°♄10'17	0.52467 AU		1705 Sep 21 14:50	0°♃	
direct	1700 Jun 17 00:17	9°♄01'14					
	1700 Aug 19 20:03	0°♂		conjunction	1705 Sep 26 15:37	3°♃16'47	0°47'55
	1700 Oct 06 01:15	0°♄		minimum elong	1705 Sep 26 16:46	3°♃18'39	0°47'55
	1700 Nov 16 05:45	0°♃			1705 Nov 05 22:23	0°♄	
	1700 Dec 25 18:18	0°♂		morning rise	1705 Nov 10 22:06	3°♄22'21	
	1701 Feb 03 09:59	0°♃			1705 Dec 19 13:25	0°♂	
asc. node	1701 Mar 07 01:33	23°♃21'36		desc. node	1705 Dec 28 02:06	5°♂59'57	
	1701 Mar 16 05:38	0°♄			1706 Jan 30 14:40	0°♄	
	1701 Apr 27 19:09	0°♂			1706 Mar 12 09:34	0°♃	
evening set	1701 May 25 09:47	18°♂47'06			1706 Apr 21 11:49	0°♂	
	1701 Jun 11 05:19	0°♄			1706 May 31 21:28	0°♃	
					1706 Jul 13 13:36	0°♄	
conjunction	1701 Jul 15 01:09	22°♄08'34	1°01'58		1706 Sep 03 03:05	0°♂	
minimum elong	1701 Jul 15 00:04	22°♄06'49	1°01'57	retrograde	1706 Oct 18 01:07	11°♂52'48	
	1701 Jul 27 05:17	0°♂		asc. node	1706 Oct 27 22:13	11°♂09'56	
max. Earth dist.	1701 Jul 27 03:43	29°♄57'28	2.64989 AU	min. Earth dist.	1706 Nov 17 15:37	5°♂26'43	0.52369 AU
morning rise	1701 Aug 30 20:52	22°♂08'49		greatest brilliancy	1706 Nov 24 14:28	2°♂49'18	-2.0m
	1701 Sep 12 05:57	0°♄		opposition	1706 Nov 25 05:32	2°♂35'02	1°23'57
	1701 Oct 29 20:09	0°♃			1706 Dec 02 07:41	30°♄	
	1701 Dec 16 23:02	0°♄		direct	1706 Dec 30 04:43	24°♄53'41	
	1702 Feb 04 10:08	0°♂			1707 Jan 29 12:30	0°♂	
desc. node	1702 Mar 25 02:50	27°♂13'31			1707 Apr 06 03:18	0°♄	
	1702 Mar 30 14:10	0°♄			1707 May 29 03:52	0°♂	
retrograde	1702 Jun 08 02:05	21°♄30'34			1707 Jul 17 21:09	0°♄	
opposition	1702 Jul 09 00:58	16°♄10'51	-5°-36'-33	evening set	1707 Sep 03 06:55	0°♃	
greatest brilliancy	1702 Jul 10 12:17	15°♄45'39	-2.7m	max. Earth dist.	1707 Sep 18 22:38	10°♄14'06	
min. Earth dist.	1702 Jul 14 21:01	14°♄31'15	0.39859 AU		1707 Oct 07 21:57	22°♄52'57	2.56752 AU
direct	1702 Aug 10 17:37	10°♄06'26			1707 Oct 18 09:59	0°♄	
	1702 Oct 09 22:19	0°♃					
	1702 Nov 26 18:38	0°♂		conjunction	1707 Nov 05 14:46	12°♄32'44	0°05'39
	1703 Jan 09 09:52	0°♃		minimum elong	1707 Nov 05 14:59	12°♄33'08	0°05'40
asc. node	1703 Jan 23 00:40	9°♃26'41		behind sun begin	1707 Nov 04 19:28	11°♄59'11	
	1703 Feb 21 20:36	0°♄		behind sun end	1707 Nov 06 10:31	13°♄07'07	
	1703 Apr 07 07:29	0°♂		desc. node	1707 Nov 15 00:48	19°♄08'28	
	1703 May 23 01:28	0°♄			1707 Nov 30 07:37	0°♂	
evening set	1703 Jul 06 14:08	28°♄34'05		morning rise	1707 Dec 26 01:21	18°♂42'03	
	1703 Jul 08 20:04	0°♂			1708 Jan 10 06:58	0°♄	
max. Earth dist.	1703 Aug 19 11:11	26°♂28'41	2.67597 AU		1708 Feb 18 19:53	0°♃	
					1708 Mar 28 14:36	0°♂	
conjunction	1703 Aug 22 02:03	28°♂08'41	1°07'55		1708 May 06 11:28	0°♃	
minimum elong	1703 Aug 22 02:26	28°♂09'18	1°07'54		1708 Jun 15 11:36	0°♄	
	1703 Aug 25 00:01	0°♄			1708 Jul 28 02:51	0°♂	
morning rise	1703 Oct 05 13:04	26°♄34'06		asc. node	1708 Sep 13 21:33	29°♂32'03	
	1703 Oct 10 20:57	0°♃			1708 Sep 14 17:50	0°♄	
	1703 Nov 25 23:43	0°♄		retrograde	1708 Nov 25 18:32	24°♄17'33	
	1704 Jan 10 05:04	0°♂		min. Earth dist.	1708 Dec 31 14:18	15°♄59'16	0.62996 AU
desc. node	1704 Feb 10 02:31	20°♂47'48		greatest brilliancy	1709 Jan 03 21:36	14°♄40'04	-1.4m
	1704 Feb 23 16:35	0°♄		opposition	1709 Jan 04 17:35	14°♄20'05	3°58'17
	1704 Apr 07 20:24	0°♃		direct	1709 Feb 12 05:11	5°♄17'25	
	1704 May 23 01:27	0°♂			1709 May 01 21:40	0°♂	
	1704 Jul 15 03:20	0°♃			1709 Jun 26 00:46	0°♄	
retrograde	1704 Aug 24 23:15	10°♃12'35			1709 Aug 14 03:46	0°♃	
min. Earth dist.	1704 Sep 20 13:25	5°♃40'39	0.39814 AU		1709 Sep 28 16:41	0°♄	

desc. node	1709 Oct 01 23:18	2°♍14'19			1714 May 25 10:14	0°♈	
evening set	1709 Oct 31 10:08	22°♍50'38		max. Earth dist.	1714 Jun 18 00:55	16°♈25'33	2.52480 AU
	1709 Nov 10 08:57	0°♁		morning rise	1714 Jul 06 19:38	29°♈10'26	
max. Earth dist.	1709 Nov 15 11:16	3°♁42'03	2.44554 AU		1714 Jul 08 01:09	0°♁	
	1709 Dec 20 19:30	0°♁			1714 Aug 22 20:19	0°♁	
					1714 Oct 09 21:57	0°♁	
conjunction	1709 Dec 25 03:24	3°♁17'26	0°-47'-27		1714 Nov 30 08:18	0°♁	
minimum elong	1709 Dec 25 01:15	3°♁13'20	0°47'26		1715 Jan 31 19:40	0°♍	
	1710 Jan 28 17:27	0°♁		retrograde	1715 Mar 15 21:46	9°♍04'53	
greatest brilliancy	1710 Feb 10 12:52	10°♁01'43	1.2m	opposition	1715 Apr 21 20:55	1°♍03'30	1°25'35
morning rise	1710 Feb 26 10:39	22°♁31'52		greatest brilliancy	1715 Apr 22 11:06	0°♍50'19	-1.7m
	1710 Mar 07 22:29	0°♁			1715 Apr 24 17:00	30°♁	
	1710 Apr 15 07:37	0°♁		min. Earth dist.	1715 Apr 29 00:55	28°♁23'36	0.57242 AU
	1710 May 24 18:04	0°♁		desc. node	1715 May 24 19:38	21°♁49'51	
	1710 Jul 05 03:31	0°♈		direct	1715 Jun 01 06:46	21°♁27'17	
asc. node	1710 Aug 01 21:45	19°♈02'30			1715 Jul 10 07:11	0°♍	
	1710 Aug 18 14:08	0°♁			1715 Sep 04 05:56	0°♁	
	1710 Oct 07 11:55	0°♁			1715 Oct 17 18:53	0°♁	
retrograde	1710 Dec 30 13:33	29°♁08'27			1715 Nov 26 18:08	0°♁	
opposition	1711 Feb 08 17:32	19°♁24'26	4°33'08		1716 Jan 04 14:11	0°♁	
greatest brilliancy	1711 Feb 08 14:56	19°♁27'03	-1.2m		1716 Feb 12 16:53	0°♁	
min. Earth dist.	1711 Feb 08 11:10	19°♁30'48	0.67620 AU	asc. node	1716 Mar 23 18:27	29°♁48'10	
direct	1711 Mar 21 09:15	9°♁38'17			1716 Mar 24 00:56	0°♁	
	1711 May 29 21:02	0°♁			1716 May 05 04:02	0°♈	
	1711 Jul 23 19:25	0°♁		evening set	1716 May 06 08:25	0°♈49'20	
desc. node	1711 Aug 19 22:05	16°♁51'48			1716 Jun 18 06:11	0°♁	
	1711 Sep 08 22:39	0°♍					
	1711 Oct 21 23:37	0°♁		conjunction	1716 Jun 28 17:26	6°♁56'46	0°51'42
	1711 Dec 01 07:30	0°♁		minimum elong	1716 Jun 28 15:56	6°♁54'16	0°51'41
evening set	1711 Dec 27 18:32	20°♁26'28		max. Earth dist.	1716 Jul 17 08:18	19°♁09'23	2.62485 AU
	1712 Jan 08 23:16	0°♁			1716 Aug 03 02:01	0°♁	
	1712 Feb 15 22:50	0°♁		morning rise	1716 Aug 16 10:32	8°♁34'22	
					1716 Sep 19 05:14	0°♁	
conjunction	1712 Mar 03 08:29	12°♁55'42	0°-58'-20		1716 Nov 06 09:22	0°♁	
minimum elong	1712 Mar 03 11:05	13°♁00'50	0°58'21		1716 Dec 26 00:45	0°♍	
	1712 Mar 25 05:03	0°♁			1717 Feb 17 16:29	0°♁	
max. Earth dist.	1712 Apr 19 10:46	19°♁21'32	2.39133 AU	desc. node	1717 Apr 10 19:23	22°♁11'05	
	1712 May 03 14:21	0°♁		retrograde	1717 May 09 23:29	26°♁48'52	
morning rise	1712 May 11 21:33	6°♁09'54		opposition	1717 Jun 11 21:03	20°♁38'25	-3°-19'-1
	1712 Jun 13 19:44	0°♈		greatest brilliancy	1717 Jun 13 05:34	20°♁12'21	-2.4m
asc. node	1712 Jun 18 20:05	3°♈32'28		min. Earth dist.	1717 Jun 19 22:53	18°♁04'13	0.44337 AU
	1712 Jul 27 10:22	0°♁		direct	1717 Jul 17 15:09	13°♁09'46	
	1712 Sep 12 00:31	0°♁			1717 Sep 10 04:57	0°♁	
	1712 Nov 02 08:08	0°♁			1717 Oct 28 07:10	0°♁	
	1713 Jan 12 21:02	0°♁			1717 Dec 09 10:58	0°♁	
retrograde	1713 Feb 02 19:40	2°♁27'33			1718 Jan 19 17:23	0°♁	
	1713 Feb 22 10:52	30°♁		asc. node	1718 Feb 08 16:37	14°♁21'53	
opposition	1713 Mar 14 01:14	23°♁21'18	3°45'50		1718 Mar 02 17:58	0°♁	
greatest brilliancy	1713 Mar 14 16:07	23°♁06'44	-1.3m		1718 Apr 15 05:44	0°♈	
min. Earth dist.	1713 Mar 17 15:56	21°♁56'31	0.65659 AU		1718 May 30 08:11	0°♁	
direct	1713 Apr 24 12:30	13°♁19'06		evening set	1718 Jun 21 01:26	14°♁07'40	
	1713 Jun 23 12:13	0°♁			1718 Jul 15 17:25	0°♁	
desc. node	1713 Jul 06 20:57	6°♁37'41					
	1713 Aug 16 07:00	0°♍		conjunction	1718 Aug 07 17:44	14°♁42'04	1°08'54
	1713 Sep 30 01:37	0°♁		minimum elong	1718 Aug 07 17:34	14°♁41'49	1°08'53
	1713 Nov 09 22:21	0°♁		max. Earth dist.	1718 Aug 10 15:19	16°♁32'55	2.67229 AU
	1713 Dec 18 18:12	0°♁			1718 Aug 31 18:25	0°♁	
	1714 Jan 25 20:28	0°♁		morning rise	1718 Sep 21 17:22	13°♁20'24	
	1714 Mar 05 07:00	0°♁			1718 Oct 17 19:55	0°♁	
evening set	1714 Mar 08 01:50	2°♁08'38			1718 Dec 03 12:44	0°♍	
	1714 Apr 13 22:38	0°♁			1719 Jan 18 21:26	0°♁	
asc. node	1714 May 06 18:43	16°♁41'49		desc. node	1719 Feb 26 18:35	25°♁07'59	
					1719 Mar 06 08:32	0°♁	
conjunction	1714 May 10 15:39	19°♁29'03	0°02'30		1719 Apr 23 05:20	0°♁	
minimum elong	1714 May 10 15:28	19°♁28'43	0°02'30		1719 Jun 18 16:04	0°♁	
behind sun begin	1714 May 09 14:30	18°♁43'52		retrograde	1719 Jul 28 09:18	9°♁08'06	
behind sun end	1714 May 11 16:27	20°♁13'31		min. Earth dist.	1719 Aug 25 19:50	4°♁29'42	0.37401 AU

greatest brilliancy	1719 Aug 27 12:13	4°♋02'42	-2.9m	desc. node	1724 Oct 18 15:00	8°♌49'49	
opposition	1719 Aug 27 22:35	3°♋55'45	-6°-33'-52	max. Earth dist.	1724 Oct 28 02:51	15°♌27'47	2.49664 AU
	1719 Sep 14 04:11	30°≈			1724 Nov 17 12:43	0°♌	
direct	1719 Sep 26 08:55	29°≈01'19					
	1719 Oct 08 16:09	0°♋		conjunction	1724 Dec 03 13:48	11°♌41'18	0°-27'-27
	1719 Dec 17 23:07	0°♐		minimum elong	1724 Dec 03 12:27	11°♌38'51	0°27'27
asc. node	1719 Dec 27 15:21	5°♐41'43			1724 Dec 28 03:24	0°♌	
	1720 Feb 04 23:27	0°♌		morning rise	1725 Jan 29 20:16	25°♌01'29	
	1720 Mar 23 03:28	0°♈			1725 Feb 05 06:13	0°≈	
	1720 May 09 10:31	0°♄			1725 Mar 15 15:20	0°♋	
	1720 Jun 26 01:50	0°♊			1725 Apr 23 03:23	0°♐	
evening set	1720 Jul 28 18:46	20°♊36'30			1725 Jun 01 16:41	0°♌	
	1720 Aug 12 14:40	0°♎			1725 Jul 13 08:13	0°♈	
max. Earth dist.	1720 Sep 01 20:01	12°♎53'04	2.66525 AU	asc. node	1725 Aug 18 12:54	24°♈14'36	
					1725 Aug 27 15:10	0°♄	
conjunction	1720 Sep 12 08:18	19°♎37'43	0°58'30		1725 Oct 20 08:05	0°♊	
minimum elong	1720 Sep 12 09:18	19°♎39'19	0°58'29	retrograde	1725 Dec 17 06:29	16°♊13'01	
	1720 Sep 28 09:40	0°♌		min. Earth dist.	1726 Jan 24 16:52	7°♊03'08	0.66587 AU
morning rise	1720 Oct 26 21:24	18°♌39'13		greatest brilliancy	1726 Jan 26 01:29	6°♊30'27	-1.3m
	1720 Nov 12 22:56	0°♍		opposition	1726 Jan 26 11:40	6°♊20'14	4°30'13
	1720 Dec 27 01:57	0°♌			1726 Feb 13 03:11	30°♄	
desc. node	1721 Jan 13 17:16	12°♌15'50		direct	1726 Mar 07 10:24	26°♄47'44	
	1721 Feb 07 20:24	0°♌			1726 Mar 31 17:23	0°♊	
	1721 Mar 21 12:46	0°≈			1726 Jun 10 13:20	0°♎	
	1721 May 01 17:01	0°♋			1726 Aug 01 06:01	0°♌	
	1721 Jun 12 17:33	0°♐		desc. node	1726 Sep 05 13:15	22°♌37'49	
	1721 Jul 29 12:19	0°♌			1726 Sep 16 13:32	0°♍	
retrograde	1721 Sep 29 10:20	21°♌07'44			1726 Oct 29 09:38	0°♌	
min. Earth dist.	1721 Oct 27 20:57	15°♌33'42	0.47117 AU	evening set	1726 Dec 03 03:59	25°♌45'59	
greatest brilliancy	1721 Nov 04 21:10	12°♌42'58	-2.3m		1726 Dec 08 17:47	0°♌	
opposition	1721 Nov 05 02:34	12°♌38'09	0°-28'-24	max. Earth dist.	1727 Jan 13 05:35	27°♌27'27	2.37548 AU
asc. node	1721 Nov 13 15:28	9°♌45'35			1727 Jan 16 11:25	0°≈	
direct	1721 Dec 08 05:39	5°♌44'46					
	1722 Feb 21 02:31	0°♈		conjunction	1727 Feb 03 08:31	14°≈04'36	-1°-4'-48
	1722 Apr 16 15:45	0°♄		minimum elong	1727 Feb 03 08:15	14°≈04'06	1°04'50
	1722 Jun 06 06:06	0°♊			1727 Feb 23 12:24	0°♋	
	1722 Jul 25 01:53	0°♎			1727 Apr 02 18:44	0°♐	
evening set	1722 Sep 03 22:35	25°♎57'02		morning rise	1727 Apr 14 20:08	9°♐18'34	
	1722 Sep 10 04:33	0°♌			1727 May 12 03:09	0°♌	
max. Earth dist.	1722 Sep 26 20:56	10°♌55'39	2.60466 AU		1727 Jun 22 07:54	0°♈	
				asc. node	1727 Jul 06 12:38	9°♈57'09	
conjunction	1722 Oct 20 08:02	26°♌36'21	0°24'19		1727 Aug 05 02:00	0°♄	
minimum elong	1722 Oct 20 08:53	26°♌37'46	0°24'19		1727 Sep 21 09:44	0°♊	
	1722 Oct 25 08:13	0°♍			1727 Nov 14 22:50	0°♎	
desc. node	1722 Dec 01 16:11	25°♍53'06		retrograde	1728 Jan 20 18:19	19°♎34'33	
morning rise	1722 Dec 07 01:02	29°♍41'34		opposition	1728 Feb 29 11:57	10°♎10'52	4°13'35
	1722 Dec 07 11:24	0°♌		greatest brilliancy	1728 Feb 29 20:53	10°♎02'01	-1.2m
	1723 Jan 17 19:04	0°♌		min. Earth dist.	1728 Mar 02 14:31	9°♎20'52	0.67220 AU
	1723 Feb 26 17:28	0°≈		direct	1728 Apr 10 19:42	0°♎11'19	
	1723 Apr 06 21:24	0°♋			1728 Jul 06 13:35	0°♌	
	1723 May 16 03:37	0°♐		desc. node	1728 Jul 23 12:42	9°♌36'52	
	1723 Jun 25 17:15	0°♌			1728 Aug 25 10:14	0°♍	
	1723 Aug 08 17:12	0°♈			1728 Oct 08 06:23	0°♌	
asc. node	1723 Oct 01 14:29	29°♈25'29			1728 Nov 17 19:43	0°♌	
	1723 Oct 02 23:45	0°♄			1728 Dec 26 12:41	0°≈	
retrograde	1723 Nov 12 06:57	9°♄18'15			1729 Feb 02 12:47	0°♋	
min. Earth dist.	1723 Dec 16 04:33	1°♄39'23	0.59454 AU	greatest brilliancy	1729 Feb 05 06:21	2°♋09'20	1.2m
	1723 Dec 20 09:14	30°♈		evening set	1729 Feb 08 04:08	4°♋26'55	
greatest brilliancy	1723 Dec 20 19:45	29°♈49'34	-1.6m		1729 Mar 12 20:31	0°♐	
opposition	1723 Dec 21 18:44	29°♈26'48	3°16'44				
direct	1724 Jan 28 01:02	20°♈50'22		conjunction	1729 Apr 16 07:37	26°♐14'27	0°-23'-39
	1724 Mar 10 22:54	0°♄		minimum elong	1729 Apr 16 09:30	26°♐17'59	0°23'39
	1724 May 13 00:27	0°♊			1729 Apr 21 08:33	0°♌	
	1724 Jul 04 05:02	0°♎		asc. node	1729 May 23 10:53	23°♌25'55	
	1724 Aug 21 11:32	0°♌			1729 Jun 01 16:17	0°♈	
	1724 Oct 05 19:06	0°♍		max. Earth dist.	1729 Jun 01 23:51	0°♈13'23	2.47368 AU
evening set	1724 Oct 13 09:16	5°♍12'21		morning rise	1729 Jun 17 10:35	11°♈02'50	

	1729 Jul 15 05:05	0°☉			1734 Sep 14 13:42	0°≈		
	1729 Aug 30 03:45	0°♈			1734 Nov 16 17:03	0°✠		
	1729 Oct 18 00:11	0°♍			1735 Jan 02 01:18	0°♎		
	1729 Dec 11 09:47	0°♁		asc. node	1735 Jan 13 08:21	7°♎33'46		
retrograde	1730 Feb 26 18:23	24°♁14'31			1735 Feb 15 18:00	0°♏		
opposition	1730 Apr 05 19:32	15°♁43'24	2°33'31		1735 Apr 01 21:54	0°♐		
greatest brilliancy	1730 Apr 06 14:12	15°♁25'35	-1.5m		1735 May 18 02:17	0°♑		
min. Earth dist.	1730 Apr 11 16:27	13°♁28'55	0.61273 AU		1735 Jul 04 02:43	0°♒		
direct	1730 May 16 22:19	5°♁49'21		evening set	1735 Jul 15 04:15	7°♒01'07		
desc. node	1730 Jun 10 12:07	9°♁20'48			1735 Aug 20 09:10	0°♓		
	1730 Jul 28 17:59	0°♌		max. Earth dist.	1735 Aug 24 17:50	2°♓46'34	2.67441 AU	
	1730 Sep 15 04:15	0°♍						
	1730 Oct 27 03:44	0°♎		conjunction	1735 Aug 30 05:18	6°♓15'59	1°05'31	
	1730 Dec 05 11:27	0°≈		minimum elong	1735 Aug 30 05:57	6°♓17'02	1°05'30	
	1731 Jan 12 21:30	0°✠			1735 Oct 06 05:07	0°♁		
	1731 Feb 20 15:25	0°♎		morning rise	1735 Oct 13 13:48	4°♁45'57		
	1731 Apr 01 15:00	0°♏			1735 Nov 21 02:38	0°♌		
asc. node	1731 Apr 10 09:16	6°♏24'29			1736 Jan 04 21:37	0°♍		
evening set	1731 Apr 16 01:41	10°♏31'52		desc. node	1736 Jan 31 08:57	18°♍04'22		
	1731 May 13 10:11	0°♐			1736 Feb 17 15:48	0°♎		
					1736 Mar 31 16:39	0°≈		
conjunction	1731 Jun 11 23:23	20°♐22'24	0°36'32		1736 May 13 19:54	0°✠		
minimum elong	1731 Jun 11 21:47	20°♐19'40	0°36'31		1736 Jun 28 20:28	0°♎		
	1731 Jun 26 06:18	0°☉		retrograde	1736 Sep 07 20:42	26°♎32'29		
max. Earth dist.	1731 Jul 07 16:03	7°☉35'38	2.59172 AU	min. Earth dist.	1736 Oct 04 17:43	21°♎44'32	0.42104 AU	
morning rise	1731 Aug 02 06:50	24°☉22'21		greatest brilliancy	1736 Oct 11 06:57	19°♎37'46	-2.6m	
	1731 Aug 10 23:51	0°♈		opposition	1736 Oct 12 08:37	19°♎17'00	-2°-55'-36	
	1731 Sep 27 08:15	0°♍		direct	1736 Nov 12 13:18	13°♎19'05		
	1731 Nov 15 08:34	0°♁		asc. node	1736 Nov 30 06:51	15°♎15'56		
	1732 Jan 06 10:46	0°♌			1737 Jan 09 19:46	0°♏		
	1732 Mar 11 16:13	0°♍			1737 Mar 06 10:28	0°♐		
retrograde	1732 Apr 15 11:26	6°♍15'34			1737 Apr 25 19:18	0°♑		
desc. node	1732 Apr 27 10:21	5°♍21'09			1737 Jun 13 21:26	0°♒		
	1732 May 17 23:11	30°♌			1737 Aug 01 02:02	0°♓		
opposition	1732 May 20 03:39	29°♌14'55	-1°-8'-15	evening set	1737 Aug 20 09:18	12°♓13'32		
greatest brilliancy	1732 May 20 16:54	29°♌03'25	-2.1m	max. Earth dist.	1737 Sep 16 19:33	29°♓52'27	2.63449 AU	
min. Earth dist.	1732 May 28 13:06	26°♌20'27	0.49615 AU		1737 Sep 17 00:12	0°♁		
direct	1732 Jun 27 08:19	20°♌38'00						
	1732 Aug 06 02:19	0°♍		conjunction	1737 Oct 05 02:06	11°♁50'37	0°40'09	
	1732 Sep 28 05:08	0°♎		minimum elong	1737 Oct 05 03:13	11°♁52'28	0°40'08	
	1732 Nov 09 17:43	0°≈			1737 Nov 01 06:22	0°♌		
	1732 Dec 19 21:19	0°✠		morning rise	1737 Nov 20 00:31	12°♌47'50		
	1733 Jan 28 22:39	0°♎			1737 Dec 14 17:19	0°♍		
asc. node	1733 Feb 25 09:15	20°♎08'14		desc. node	1737 Dec 18 07:31	2°♍32'06		
	1733 Mar 11 01:46	0°♏			1738 Jan 25 12:03	0°♎		
	1733 Apr 22 20:56	0°♐			1738 Mar 06 23:06	0°≈		
evening set	1733 Jun 04 12:01	28°♐41'48			1738 Apr 15 16:03	0°✠		
	1733 Jun 06 11:21	0°☉			1738 May 25 12:56	0°♎		
	1733 Jul 22 13:27	0°♈			1738 Jul 06 03:11	0°♏		
					1738 Aug 22 05:01	0°♐		
conjunction	1733 Jul 23 22:06	0°♈52'27	1°05'47	asc. node	1738 Oct 18 06:18	22°♐07'04		
minimum elong	1733 Jul 23 21:21	0°♈51'16	1°05'47	retrograde	1738 Oct 27 16:18	22°♐43'41		
max. Earth dist.	1733 Aug 01 16:28	6°♈29'50	2.66021 AU	min. Earth dist.	1738 Nov 28 11:38	15°♐49'58	0.55074 AU	
	1733 Sep 07 13:31	0°♍		greatest brilliancy	1738 Dec 04 13:23	13°♐29'24	-1.8m	
morning rise	1733 Sep 07 22:27	0°♍14'11		opposition	1738 Dec 05 10:01	13°♐09'26	2°13'13	
	1733 Oct 24 22:09	0°♁		direct	1739 Jan 10 06:10	5°♐06'05		
	1733 Dec 11 10:20	0°♌			1739 Mar 29 03:05	0°☉		
	1734 Jan 28 11:33	0°♍			1739 May 23 10:25	0°♈		
desc. node	1734 Mar 15 09:23	27°♍35'28			1739 Jul 12 21:30	0°♍		
	1734 Mar 19 13:44	0°♎			1739 Aug 29 14:13	0°♁		
	1734 May 18 20:05	0°≈		evening set	1739 Sep 27 21:08	19°♁15'13		
retrograde	1734 Jun 26 02:31	7°≈59'43			1739 Oct 13 18:56	0°♌		
opposition	1734 Jul 26 08:37	2°≈58'23	-6°-33'-12	max. Earth dist.	1739 Oct 15 00:22	0°♌50'13	2.54367 AU	
greatest brilliancy	1734 Jul 27 08:46	2°≈41'58	-2.8m	desc. node	1739 Nov 05 06:39	15°♌33'01		
min. Earth dist.	1734 Jul 29 18:05	2°≈03'05	0.38169 AU					
	1734 Aug 06 20:17	30°♎		conjunction	1739 Nov 15 14:08	22°♌49'24	0°-6'-15	
direct	1734 Aug 26 11:24	27°♎34'31		minimum elong	1739 Nov 15 13:51	22°♌48'54	0°06'15	

behind sun begin	1739 Nov 14 18:00	22°♄13'42			1744 Oct 26 20:45	0°♄		
behind sun end	1739 Nov 16 09:43	23°♄24'08			1744 Dec 26 13:59	0°♄		
	1739 Nov 25 15:24	0°♂		retrograde	1745 Feb 11 05:45	10°♄29'45		
	1740 Jan 05 11:38	0°♂		opposition	1745 Mar 22 02:30	1°♄34'48	3°23'26	
morning rise	1740 Jan 07 02:07	1°♂12'11		greatest brilliancy	1745 Mar 22 19:44	1°♄18'04	-1.4m	
	1740 Feb 13 20:52	0°♂			1745 Mar 26 04:03	30°♄		
	1740 Mar 23 11:52	0°♂		min. Earth dist.	1745 Mar 26 12:56	29°♄51'25	0.64367 AU	
	1740 May 01 04:49	0°♂		direct	1745 May 02 12:33	21°♄33'25		
	1740 Jun 09 23:39	0°♂			1745 Jun 11 17:38	0°♄		
	1740 Jul 22 02:46	0°♂		desc. node	1745 Jun 27 03:12	6°♄26'16		
asc. node	1740 Sep 04 05:33	28°♂22'03			1745 Aug 09 18:51	0°♄		
	1740 Sep 06 23:47	0°♂			1745 Sep 24 12:49	0°♂		
	1740 Nov 12 07:44	0°♂			1745 Nov 04 17:31	0°♂		
retrograde	1740 Dec 03 18:06	2°♂46'33			1745 Dec 13 17:05	0°♂		
	1740 Dec 23 19:44	30°♂			1746 Jan 20 21:38	0°♂		
min. Earth dist.	1741 Jan 09 12:53	24°♂08'40	0.64551 AU		1746 Feb 28 10:01	0°♂		
greatest brilliancy	1741 Jan 12 03:07	23°♂06'18	-1.4m	evening set	1746 Mar 22 21:19	17°♂06'53		
opposition	1741 Jan 12 20:08	22°♂49'15	4°14'23		1746 Apr 09 03:31	0°♂		
direct	1741 Feb 20 21:04	13°♂34'43		asc. node	1746 Apr 27 02:44	13°♂09'15		
	1741 Apr 23 01:32	0°♂			1746 May 20 16:38	0°♂		
	1741 Jun 20 05:45	0°♄						
	1741 Aug 09 03:31	0°♄		conjunction	1746 May 23 01:22	1°♂39'50	0°16'11	
desc. node	1741 Sep 22 05:58	28°♄50'43		minimum elong	1746 May 23 00:24	1°♂38'07	0°16'10	
	1741 Sep 23 22:50	0°♄		max. Earth dist.	1746 Jun 25 17:18	24°♂52'16	2.55041 AU	
	1741 Nov 05 16:51	0°♂			1746 Jul 03 08:00	0°♂		
evening set	1741 Nov 11 12:12	4°♂13'09		morning rise	1746 Jul 16 21:14	9°♂01'59		
max. Earth dist.	1741 Nov 29 11:03	17°♂27'46	2.41724 AU		1746 Aug 18 01:00	0°♂		
	1741 Dec 16 02:38	0°♂			1746 Oct 04 18:08	0°♄		
					1746 Nov 24 01:12	0°♄		
conjunction	1742 Jan 07 16:56	17°♂20'41	0°-56'-38		1747 Jan 19 18:55	0°♄		
minimum elong	1742 Jan 07 14:51	17°♂16'38	0°56'38	retrograde	1747 Mar 26 13:33	18°♄38'16		
	1742 Jan 23 22:55	0°♂		opposition	1747 May 01 18:58	10°♄56'12	0°36'30	
	1742 Mar 03 02:04	0°♂		greatest brilliancy	1747 May 02 02:07	10°♄49'42	-1.8m	
morning rise	1742 Mar 15 09:43	9°♂41'50		min. Earth dist.	1747 May 09 12:44	8°♄06'42	0.54689 AU	
	1742 Apr 10 09:23	0°♂		desc. node	1747 May 15 02:15	6°♄12'20		
	1742 May 19 18:05	0°♂		direct	1747 Jun 10 13:58	1°♄35'33		
	1742 Jun 30 00:17	0°♂			1747 Aug 27 01:23	0°♂		
asc. node	1742 Jul 23 03:35	16°♂02'09			1747 Oct 11 08:31	0°♂		
	1742 Aug 13 02:02	0°♂			1747 Nov 20 22:42	0°♂		
	1742 Sep 30 16:25	0°♂			1747 Dec 30 02:59	0°♂		
	1742 Dec 02 02:09	0°♄			1748 Feb 07 11:33	0°♂		
retrograde	1743 Jan 07 06:03	6°♄53'57		asc. node	1748 Mar 14 01:23	26°♂23'16		
	1743 Feb 09 07:54	30°♂			1748 Mar 19 00:39	0°♂		
opposition	1743 Feb 16 07:10	27°♂16'20	4°29'15		1748 Apr 30 08:00	0°♂		
greatest brilliancy	1743 Feb 16 08:50	27°♂14'40	-1.2m	evening set	1748 May 17 10:28	11°♂45'11		
min. Earth dist.	1743 Feb 16 21:05	27°♂02'28	0.67771 AU		1748 Jun 13 13:15	0°♂		
direct	1743 Mar 29 05:36	17°♂24'20						
	1743 May 20 05:03	0°♄		conjunction	1748 Jul 08 04:53	16°♂14'11	0°58'14	
	1743 Jul 17 20:04	0°♄		minimum elong	1748 Jul 08 03:35	16°♂12'05	0°58'13	
desc. node	1743 Aug 10 04:33	14°♄08'44		max. Earth dist.	1748 Jul 23 02:32	25°♂55'05	2.63973 AU	
	1743 Sep 03 18:37	0°♄			1748 Jul 29 10:14	0°♂		
	1743 Oct 17 02:17	0°♂		morning rise	1748 Aug 24 18:52	16°♂52'53		
	1743 Nov 26 12:15	0°♂			1748 Sep 14 11:15	0°♄		
	1744 Jan 04 04:32	0°♂			1748 Nov 01 06:32	0°♄		
evening set	1744 Jan 11 20:07	6°♂01'24			1748 Dec 19 23:02	0°♄		
	1744 Feb 11 03:59	0°♂			1749 Feb 08 20:25	0°♂		
				desc. node	1749 Apr 01 00:51	26°♂19'21		
conjunction	1744 Mar 19 17:31	29°♂28'10	0°-48'-13		1749 Apr 09 18:10	0°♂		
minimum elong	1744 Mar 19 20:44	29°♂34'25	0°48'13	retrograde	1749 May 25 18:15	10°♂36'24		
	1744 Mar 20 09:56	0°♂		opposition	1749 Jun 26 13:45	4°♂55'09	-4°-38'-58	
	1744 Apr 28 19:07	0°♂		greatest brilliancy	1749 Jun 28 03:19	4°♂26'53	-2.6m	
max. Earth dist.	1744 May 10 10:54	8°♂38'32	2.41911 AU	min. Earth dist.	1749 Jul 03 18:07	2°♂46'16	0.41700 AU	
morning rise	1744 May 26 02:51	20°♂03'54			1749 Jul 14 11:17	30°♂		
	1744 Jun 08 23:58	0°♂		direct	1749 Jul 30 16:32	28°♂12'39		
asc. node	1744 Jun 09 03:04	0°♂05'30			1749 Aug 15 23:48	0°♂		
	1744 Jul 22 12:09	0°♂			1749 Oct 18 14:29	0°♂		
	1744 Sep 06 18:00	0°♂			1749 Dec 02 02:37	0°♂		

	1750 Jan 13 11:04	0°♃		behind sun end	1754 Oct 29 21:47	6°♌16'28	
asc. node	1750 Jan 30 00:15	11°♃42'26		desc. node	1754 Nov 21 22:40	22°♌18'47	
	1750 Feb 25 03:34	0°♄			1754 Dec 02 18:47	0°♄	
	1750 Apr 10 02:05	0°♅		morning rise	1754 Dec 17 12:24	10°♄35'50	
	1750 May 25 11:44	0°♆			1755 Jan 12 22:35	0°♄	
evening set	1750 Jun 30 01:02	22°♆57'15			1755 Feb 21 16:06	0°♄	
	1750 Jul 11 01:15	0°♇			1755 Apr 01 14:49	0°♄	
max. Earth dist.	1750 Aug 15 20:14	22°♇48'16	2.67534 AU		1755 May 10 14:49	0°♃	
					1755 Jun 19 18:48	0°♄	
conjunction	1750 Aug 16 00:11	22°♇54'34	1°08'47		1755 Aug 01 19:13	0°♅	
minimum elong	1750 Aug 16 00:22	22°♇54'51	1°08'47		1755 Sep 21 02:53	0°♆	
	1750 Aug 27 03:37	0°♇		asc. node	1755 Sep 21 20:57	0°♆23'03	
morning rise	1750 Sep 29 15:22	21°♇22'05		retrograde	1755 Nov 20 17:41	18°♆30'50	
	1750 Oct 13 02:28	0°♈		min. Earth dist.	1755 Dec 25 17:07	10°♆29'18	0.61530 AU
	1750 Nov 28 11:18	0°♉		greatest brilliancy	1755 Dec 29 14:10	8°♆56'39	-1.5m
	1751 Jan 13 04:02	0°♊		opposition	1755 Dec 30 12:05	8°♆34'46	3°43'29
desc. node	1751 Feb 17 00:19	23°♊05'38			1756 Jan 30 20:29	30°♅	
	1751 Feb 27 09:47	0°♋		direct	1756 Feb 06 10:40	29°♅43'04	
	1751 Apr 13 20:17	0°♌			1756 Feb 13 05:39	0°♆	
	1751 May 31 18:48	0°♍			1756 May 06 00:47	0°♇	
retrograde	1751 Aug 14 03:05	27°♍23'38			1756 Jun 28 19:37	0°♈	
min. Earth dist.	1751 Sep 10 02:39	22°♍55'43	0.38402 AU		1756 Aug 16 14:38	0°♉	
greatest brilliancy	1751 Sep 13 20:13	21°♍52'22	-2.8m		1756 Oct 01 02:27	0°♊	
opposition	1751 Sep 14 20:19	21°♍35'14	-5°-32'-26	desc. node	1756 Oct 08 21:06	5°♌19'31	
direct	1751 Oct 14 15:07	16°♍27'30		evening set	1756 Oct 23 09:49	5°♌25'56	
	1751 Dec 03 23:14	0°♎		max. Earth dist.	1756 Nov 06 21:55	25°♌43'24	2.46870 AU
asc. node	1751 Dec 17 23:36	6°♎50'58			1756 Nov 12 20:40	0°♋	
	1752 Jan 28 01:30	0°♏					
	1752 Mar 17 01:09	0°♐		conjunction	1756 Dec 15 09:42	23°♋57'50	0°-39'-16
	1752 May 04 04:04	0°♑		minimum elong	1756 Dec 15 07:49	23°♋54'18	0°39'16
	1752 Jun 21 05:35	0°♒			1756 Dec 23 09:59	0°♄	
evening set	1752 Aug 06 00:04	28°♒45'07			1757 Jan 31 10:41	0°♄	
	1752 Aug 07 23:23	0°♓		morning rise	1757 Feb 13 22:00	10°♄31'18	
max. Earth dist.	1752 Sep 07 04:48	19°♓16'19	2.65664 AU		1757 Mar 10 17:41	0°♄	
				greatest brilliancy	1757 Apr 05 13:12	20°♄12'47	1.2m
conjunction	1752 Sep 20 11:44	27°♓50'50	0°52'45		1757 Apr 18 03:34	0°♃	
minimum elong	1752 Sep 20 12:51	27°♓52'38	0°52'45		1757 May 27 14:07	0°♄	
	1752 Sep 23 19:24	0°♈			1757 Jul 08 00:17	0°♅	
morning rise	1752 Nov 04 08:45	27°♈23'22		asc. node	1757 Aug 08 21:00	21°♅41'48	
	1752 Nov 08 06:10	0°♉			1757 Aug 21 15:52	0°♆	
	1752 Dec 22 03:08	0°♊			1757 Oct 11 15:09	0°♇	
desc. node	1753 Jan 04 00:11	9°♊00'45		retrograde	1757 Dec 24 22:54	24°♇08'52	
	1753 Feb 02 12:06	0°♋		min. Earth dist.	1758 Feb 02 04:40	14°♇43'07	0.67284 AU
	1753 Mar 15 16:04	0°♌		opposition	1758 Feb 03 03:20	14°♇20'25	4°33'26
	1753 Apr 25 04:18	0°♍		greatest brilliancy	1758 Feb 02 21:18	14°♇26'28	-1.2m
	1753 Jun 05 02:50	0°♎		direct	1758 Mar 15 11:25	4°♇39'52	
	1753 Jul 18 22:47	0°♏			1758 Jun 03 07:25	0°♈	
	1753 Sep 16 12:45	0°♐			1758 Jul 26 18:30	0°♉	
retrograde	1753 Oct 10 08:47	3°♐47'11		desc. node	1758 Aug 26 19:53	19°♐33'59	
	1753 Nov 02 06:32	30°♑			1758 Sep 11 14:26	0°♊	
asc. node	1753 Nov 03 21:53	29°♑28'33			1758 Oct 24 14:42	0°♋	
min. Earth dist.	1753 Nov 08 23:19	27°♑43'53	0.50062 AU		1758 Dec 03 23:37	0°♌	
greatest brilliancy	1753 Nov 16 14:11	24°♑55'13	-2.1m	evening set	1758 Dec 16 16:10	9°♌43'43	
opposition	1753 Nov 16 22:20	24°♑47'41	0°40'42		1759 Jan 11 16:42	0°♍	
direct	1753 Dec 21 03:04	17°♑26'14			1759 Feb 18 16:57	0°♎	
	1754 Feb 09 12:00	0°♒					
	1754 Apr 10 00:49	0°♓		conjunction	1759 Feb 19 12:56	0°♋39'28	-1°-3'-4
	1754 May 31 21:40	0°♈		minimum elong	1759 Feb 19 14:26	0°♋42'27	1°03'05
	1754 Jul 20 05:41	0°♉		max. Earth dist.	1759 Mar 21 01:59	23°♋52'50	2.37411 AU
	1754 Sep 05 13:09	0°♊			1759 Mar 28 22:39	0°♃	
evening set	1754 Sep 12 10:24	4°♊28'47		morning rise	1759 May 01 02:40	25°♃22'40	
max. Earth dist.	1754 Oct 03 04:08	18°♊10'09	2.58510 AU		1759 May 07 06:33	0°♄	
	1754 Oct 20 17:32	0°♋			1759 Jun 17 10:17	0°♅	
				asc. node	1759 Jun 26 19:36	6°♅37'16	
conjunction	1754 Oct 29 10:39	5°♌57'22	0°13'50		1759 Jul 31 00:21	0°♆	
minimum elong	1754 Oct 29 11:11	5°♌58'17	0°13'50		1759 Sep 15 18:58	0°♇	
behind sun begin	1754 Oct 29 00:36	5°♌40'07			1759 Nov 07 01:43	0°♈	

retrograde	1760 Jan 28 18:37	27°♎23'38		asc. node	1765 Feb 15 16:14	17°♑02'54	
opposition	1760 Mar 08 05:36	18°♎09'12	3°58'43		1765 Mar 05 18:40	0°♄	
greatest brilliancy	1760 Mar 08 18:01	17°♎56'59	-1.3m		1765 Apr 17 21:31	0°♂	
min. Earth dist.	1760 Mar 11 04:04	16°♎59'52	0.66482 AU		1765 Jun 01 17:13	0°♁	
direct	1760 Apr 18 15:22	8°♎07'31		evening set	1765 Jun 14 02:37	8°♁07'04	
	1760 Jun 28 17:19	0°♊			1765 Jul 17 22:25	0°♁	
desc. node	1760 Jul 13 18:50	7°♊58'37					
	1760 Aug 19 15:46	0°♌		conjunction	1765 Aug 01 11:46	9°♁19'29	1°08'05
	1760 Oct 03 01:45	0°♍		minimum elong	1765 Aug 01 11:23	9°♁18'51	1°08'05
	1760 Nov 12 20:08	0°♎		max. Earth dist.	1765 Aug 07 00:22	12°♁51'10	2.66799 AU
	1760 Dec 21 15:07	0°♏			1765 Sep 02 22:32	0°♎	
	1761 Jan 28 16:18	0°♐		morning rise	1765 Sep 15 20:45	8°♎13'03	
evening set	1761 Feb 24 01:57	20°♐43'13			1765 Oct 20 02:50	0°♊	
	1761 Mar 08 00:49	0°♑			1765 Dec 06 03:45	0°♌	
	1761 Apr 16 13:40	0°♒			1766 Jan 22 04:18	0°♍	
				desc. node	1766 Mar 05 16:17	26°♍45'32	
conjunction	1761 Apr 30 11:26	10°♒15'10	0°-8'-33		1766 Mar 10 21:56	0°♎	
minimum elong	1761 Apr 30 12:05	10°♒16'21	0°08'33		1766 Apr 30 21:14	0°♏	
behind sun begin	1761 Apr 29 13:38	9°♒35'18		retrograde	1766 Jul 14 09:55	25°♏40'02	
behind sun end	1761 May 01 10:32	10°♒57'22		opposition	1766 Aug 13 13:44	20°♏41'29	-6°-52'-6
asc. node	1761 May 13 18:01	19°♒53'09		greatest brilliancy	1766 Aug 13 19:09	20°♏37'55	-2.9m
	1761 May 27 22:13	0°♂		min. Earth dist.	1766 Aug 13 22:52	20°♏35'28	0.37326 AU
max. Earth dist.	1761 Jun 11 17:11	10°♂22'20	2.50252 AU	direct	1766 Sep 12 09:25	15°♏42'50	
morning rise	1761 Jun 28 18:21	22°♂06'00			1766 Nov 02 04:18	0°♐	
	1761 Jul 10 10:35	0°♁			1766 Dec 24 12:34	0°♑	
	1761 Aug 25 05:39	0°♂		asc. node	1767 Jan 03 14:20	6°♑22'11	
	1761 Oct 12 12:55	0°♎			1767 Feb 09 03:47	0°♒	
	1761 Dec 03 22:02	0°♏			1767 Mar 27 07:04	0°♂	
retrograde	1762 Feb 12 18:42	0°♐			1767 May 13 00:33	0°♁	
	1762 Mar 08 08:27	3°♐01'44			1767 Jun 29 08:33	0°♂	
	1762 Mar 30 06:10	30°♏		evening set	1767 Jul 23 14:29	15°♂19'16	
opposition	1762 Apr 14 19:28	24°♏46'22	1°56'20		1767 Aug 15 18:29	0°♎	
greatest brilliancy	1762 Apr 15 12:20	24°♏30'27	-1.6m	max. Earth dist.	1767 Aug 29 23:43	9°♎03'12	2.67044 AU
min. Earth dist.	1762 Apr 21 09:39	22°♏17'14	0.59142 AU				
direct	1762 May 25 13:31	15°♏00'41		conjunction	1767 Sep 07 07:33	14°♎22'30	1°01'51
desc. node	1762 May 31 17:17	15°♏15'26		minimum elong	1767 Sep 07 08:26	14°♎23'55	1°01'50
	1762 Jul 18 18:32	0°♌			1767 Oct 01 14:08	0°♊	
	1762 Sep 08 13:48	0°♍		morning rise	1767 Oct 21 16:50	13°♊05'39	
	1762 Oct 21 09:34	0°♎			1767 Nov 16 07:35	0°♌	
	1762 Nov 30 01:50	0°♏			1767 Dec 30 17:57	0°♍	
	1763 Jan 07 17:09	0°♐		desc. node	1768 Jan 21 15:15	15°♍06'03	
	1763 Feb 15 15:02	0°♑			1768 Feb 11 22:47	0°♎	
	1763 Mar 27 18:00	0°♒			1768 Mar 25 04:12	0°♏	
asc. node	1763 Mar 31 17:56	2°♒55'15			1768 May 06 01:34	0°♐	
evening set	1763 Apr 28 10:43	22°♒48'42			1768 Jun 18 06:40	0°♑	
	1763 May 08 16:10	0°♂			1768 Aug 08 10:44	0°♒	
	1763 Jun 21 14:08	0°♁		retrograde	1768 Sep 20 13:07	11°♒25'12	
conjunction	1763 Jun 22 07:09	0°♁28'26	0°45'54	min. Earth dist.	1768 Oct 18 02:53	6°♒13'47	0.44784 AU
minimum elong	1763 Jun 22 05:32	0°♁25'43	0°45'54	greatest brilliancy	1768 Oct 25 16:11	3°♒39'02	-2.4m
max. Earth dist.	1763 Jul 13 22:12	14°♁47'12	2.61098 AU	opposition	1768 Oct 26 07:32	3°♒25'54	-1°-27'-44
	1763 Aug 06 07:47	0°♂			1768 Nov 06 04:36	30°♑	
morning rise	1763 Aug 11 01:40	3°♂03'22		asc. node	1768 Nov 20 14:25	27°♑16'25	
	1763 Sep 22 12:12	0°♎		direct	1768 Nov 27 13:58	26°♑56'51	
	1763 Nov 09 23:28	0°♏			1768 Dec 20 03:41	0°♒	
	1763 Dec 30 11:34	0°♐			1769 Feb 26 11:40	0°♂	
	1764 Feb 25 04:48	0°♑			1769 Apr 19 21:27	0°♁	
desc. node	1764 Apr 17 16:52	17°♑11'51			1769 Jun 08 18:45	0°♂	
retrograde	1764 Apr 28 19:01	17°♑55'50		evening set	1769 Jul 27 08:04	0°♎	
opposition	1764 Jun 01 12:50	11°♑22'04	-2°-20'-8		1769 Aug 28 16:29	20°♎30'24	
greatest brilliancy	1764 Jun 02 14:05	11°♑01'00	-2.3m	max. Earth dist.	1769 Sep 12 09:26	0°♊	
min. Earth dist.	1764 Jun 09 22:26	8°♑34'53	0.46660 AU		1769 Sep 22 14:38	6°♊39'52	2.61904 AU
direct	1764 Jul 08 11:02	3°♑20'07		conjunction	1769 Oct 13 16:44	20°♊37'15	0°31'20
	1764 Sep 18 14:36	0°♎		minimum elong	1769 Oct 13 17:44	20°♊38'55	0°31'19
	1764 Nov 02 11:55	0°♏			1769 Oct 27 15:13	0°♌	
	1764 Dec 13 14:19	0°♐		morning rise	1769 Nov 29 11:58	22°♌38'38	
	1765 Jan 23 05:34	0°♑		desc. node	1769 Dec 08 14:01	29°♌02'14	

	1769 Dec 09 22:41	0°♁		greatest brilliancy	1775 Feb 24 02:44	5°♃02'06	-1.2m
	1770 Jan 20 11:56	0°♁		min. Earth dist.	1775 Feb 25 07:04	4°♃33'58	0.67588 AU
	1770 Mar 01 16:05	0°♁			1775 Mar 09 11:31	30°♃	
	1770 Apr 10 01:35	0°♁		direct	1775 Apr 06 00:35	25°♃11'09	
	1770 May 19 13:03	0°♁			1775 May 06 04:09	0°♃	
	1770 Jun 29 10:14	0°♁			1775 Jul 11 08:52	0°♃	
	1770 Aug 13 07:06	0°♃		desc. node	1775 Jul 31 10:39	11°♃43'50	
asc. node	1770 Oct 08 14:03	27°♃56'41			1775 Aug 29 09:50	0°♃	
	1770 Oct 15 14:46	0°♃			1775 Oct 12 01:44	0°♁	
retrograde	1770 Nov 05 19:07	2°♃52'51			1775 Nov 21 14:38	0°♁	
	1770 Nov 25 19:00	30°♃			1775 Dec 30 07:43	0°♁	
min. Earth dist.	1770 Dec 08 18:42	25°♃33'03	0.57591 AU	evening set	1776 Jan 27 16:55	22°♁24'09	
greatest brilliancy	1770 Dec 14 00:18	23°♃29'56	-1.7m		1776 Feb 06 07:35	0°♁	
opposition	1770 Dec 14 23:19	23°♃07'18	2°53'13		1776 Mar 15 14:03	0°♁	
direct	1771 Jan 20 14:27	14°♃44'43					
	1771 Mar 19 08:44	0°♃		conjunction	1776 Apr 04 15:40	15°♁25'16	0°-34'-51
	1771 May 17 08:04	0°♃		minimum elong	1776 Apr 04 18:24	15°♁30'29	0°34'51
	1771 Jul 07 18:18	0°♃			1776 Apr 23 23:49	0°♃	
	1771 Aug 24 19:41	0°♃		max. Earth dist.	1776 May 24 07:52	22°♃13'40	2.44939 AU
evening set	1771 Oct 07 03:09	28°♃37'55		asc. node	1776 May 30 10:45	26°♃36'45	
	1771 Oct 09 03:23	0°♃			1776 Jun 04 05:01	0°♃	
max. Earth dist.	1771 Oct 22 19:22	9°♃23'39	2.51844 AU	morning rise	1776 Jun 08 04:08	2°♃48'18	
desc. node	1771 Oct 26 12:42	11°♃58'51			1776 Jul 17 15:51	0°♃	
	1771 Nov 20 23:31	0°♁			1776 Sep 01 15:42	0°♃	
					1776 Oct 20 21:24	0°♃	
conjunction	1771 Nov 26 02:10	3°♁41'09	0°-18'-23		1776 Dec 16 02:55	0°♃	
minimum elong	1771 Nov 26 01:18	3°♁39'35	0°18'23	retrograde	1777 Feb 19 23:12	18°♃42'21	
	1771 Dec 31 17:39	0°♁		opposition	1777 Mar 30 09:17	9°♃59'54	2°56'11
morning rise	1772 Jan 20 00:56	14°♁38'31		greatest brilliancy	1777 Mar 31 03:43	9°♃42'09	-1.4m
	1772 Feb 08 23:44	0°♁		min. Earth dist.	1777 Apr 04 14:47	7°♃58'58	0.62781 AU
	1772 Mar 18 11:28	0°♁		direct	1777 May 10 15:42	0°♃01'23	
	1772 Apr 26 01:05	0°♁		desc. node	1777 Jun 17 10:03	7°♃40'39	
	1772 Jun 04 15:22	0°♃			1777 Aug 02 13:59	0°♃	
	1772 Jul 16 09:33	0°♃			1777 Sep 18 17:45	0°♁	
asc. node	1772 Aug 25 12:14	26°♃31'23			1777 Oct 30 09:23	0°♁	
	1772 Aug 31 02:52	0°♃			1777 Dec 08 13:30	0°♁	
	1772 Oct 26 13:23	0°♃			1778 Jan 15 20:46	0°♁	
retrograde	1772 Dec 11 14:08	11°♃02'25			1778 Feb 23 11:26	0°♁	
min. Earth dist.	1773 Jan 18 06:56	2°♃06'13	0.65801 AU		1778 Apr 04 07:05	0°♃	
greatest brilliancy	1773 Jan 20 04:37	1°♃02'22	-1.3m	evening set	1778 Apr 05 23:03	1°♃13'41	
opposition	1773 Jan 20 18:03	1°♃06'53	4°25'26	asc. node	1778 Apr 17 08:50	9°♃34'29	
	1773 Jan 23 12:59	30°♃			1778 May 15 22:20	0°♃	
direct	1773 Mar 01 07:12	21°♃41'54					
	1773 Apr 11 08:58	0°♃		conjunction	1778 Jun 03 16:47	13°♃03'45	0°28'32
	1773 Jun 14 00:13	0°♃		minimum elong	1778 Jun 03 15:19	13°♃01'15	0°28'31
	1773 Aug 03 22:37	0°♃			1778 Jun 28 14:57	0°♃	
desc. node	1773 Sep 12 11:18	25°♃32'34		max. Earth dist.	1778 Jul 02 19:49	2°♃48'50	2.57430 AU
	1773 Sep 19 02:18	0°♃		morning rise	1778 Jul 26 10:33	18°♃25'00	
	1773 Oct 31 22:54	0°♁			1778 Aug 13 07:04	0°♃	
evening set	1773 Nov 23 10:19	16°♁29'54			1778 Sep 29 17:48	0°♃	
	1773 Dec 11 08:55	0°♁			1778 Nov 18 04:46	0°♃	
max. Earth dist.	1773 Dec 18 08:29	5°♁19'38	2.39162 AU		1779 Jan 10 18:56	0°♃	
	1774 Jan 19 04:17	0°♁		retrograde	1779 Apr 07 00:17	28°♃47'30	
				desc. node	1779 May 05 08:20	23°♃52'17	
conjunction	1774 Jan 22 07:49	2°♁28'03	-1°-2'-50	opposition	1779 May 12 10:09	21°♃27'01	0°-20'-26
minimum elong	1774 Jan 22 06:29	2°♁25'26	1°02'50	greatest brilliancy	1779 May 12 14:10	21°♃23'27	-2.0m
	1774 Feb 26 06:20	0°♁		min. Earth dist.	1779 May 20 14:10	18°♃32'39	0.51952 AU
morning rise	1774 Apr 01 15:03	26°♁58'05		direct	1779 Jun 20 09:30	12°♃27'48	
	1774 Apr 05 12:39	0°♁			1779 Aug 16 18:00	0°♁	
	1774 May 14 20:03	0°♃			1779 Oct 04 06:50	0°♁	
	1774 Jun 24 23:52	0°♃			1779 Nov 14 19:40	0°♁	
asc. node	1774 Jul 13 11:48	12°♃55'48			1779 Dec 24 11:16	0°♁	
	1774 Aug 07 18:49	0°♃			1780 Feb 02 03:40	0°♁	
	1774 Sep 24 11:13	0°♃		asc. node	1780 Mar 04 08:38	23°♁02'55	
	1774 Nov 20 01:48	0°♃			1780 Mar 13 22:47	0°♃	
retrograde	1775 Jan 14 23:58	14°♃38'13			1780 Apr 25 11:08	0°♃	
opposition	1775 Feb 23 20:57	5°♃07'51	4°21'26	evening set	1780 May 27 22:54	22°♃04'59	

	1780 Jun 08 20:00	0°☾				1785 Aug 29 07:20	0°♁		
					retrograde	1785 Oct 20 12:08	15°♁20'35		
conjunction	1780 Jul 17 07:59	25°☾11'22	1°03'11		asc. node	1785 Oct 25 05:41	15°♁10'43		
minimum elong	1780 Jul 17 07:00	25°☾09'45	1°03'11		min. Earth dist.	1785 Nov 20 07:50	8°♁48'27	0.52885 AU	
	1780 Jul 24 18:55	0°♁			greatest brilliancy	1785 Nov 27 00:59	6°♁15'25	-2.0m	
max. Earth dist.	1780 Jul 28 18:25	2°♁33'40	2.65216 AU		opposition	1785 Nov 27 18:02	5°♁59'10	1°38'06	
morning rise	1780 Sep 01 23:04	25°♁02'24				1785 Dec 16 15:21	30°♁		
	1780 Sep 09 18:41	0°♁			direct	1786 Jan 01 20:47	28°♁13'23		
	1780 Oct 27 07:24	0°♁				1786 Jan 19 01:44	0°♁		
	1780 Dec 14 06:41	0°♁				1786 Apr 02 16:49	0°☾		
	1781 Feb 01 08:28	0°♁				1786 May 26 08:07	0°♁		
desc. node	1781 Mar 22 07:16	27°♁56'35				1786 Jul 15 07:17	0°♁		
	1781 Mar 26 04:45	0°♁				1786 Aug 31 20:41	0°♁		
retrograde	1781 Jun 12 00:33	25°♁52'18			evening set	1786 Sep 21 03:56	13°♁16'24		
opposition	1781 Jul 12 18:49	20°♁37'00	-5°-51'-49		max. Earth dist.	1786 Oct 09 21:25	25°♁47'30	2.56293 AU	
greatest brilliancy	1781 Jul 14 05:05	20°♁12'44	-2.7m			1786 Oct 16 02:23	0°♁		
min. Earth dist.	1781 Jul 18 04:42	19°♁05'17	0.39474 AU						
direct	1781 Aug 14 04:56	14°♁41'02			conjunction	1786 Nov 08 00:39	15°♁49'00	0°02'31	
	1781 Oct 04 19:57	0°♁			minimum elong	1786 Nov 08 00:45	15°♁49'10	0°02'31	
	1781 Nov 23 13:35	0°♁			behind sun begin	1786 Nov 07 04:15	15°♁13'22		
	1782 Jan 06 16:13	0°♁			behind sun end	1786 Nov 08 21:16	16°♁25'01		
asc. node	1782 Jan 20 07:59	9°♁25'14			desc. node	1786 Nov 12 04:13	18°♁43'24		
	1782 Feb 19 07:15	0°♁				1786 Nov 28 01:53	0°♁		
	1782 Apr 04 19:44	0°♁			morning rise	1786 Dec 28 20:07	22°♁22'43		
	1782 May 20 14:08	0°☾				1787 Jan 08 02:22	0°♁		
	1782 Jul 06 08:54	0°♁				1787 Feb 16 15:43	0°♁		
evening set	1782 Jul 08 19:06	1°♁32'41				1787 Mar 27 10:09	0°♁		
max. Earth dist.	1782 Aug 21 02:25	29°♁04'41	2.67587 AU			1787 May 05 05:45	0°♁		
	1782 Aug 22 13:12	0°♁				1787 Jun 14 03:02	0°♁		
						1787 Jul 26 12:01	0°♁		
conjunction	1782 Aug 24 04:37	1°♁02'42	1°07'19		asc. node	1787 Sep 12 05:23	29°♁56'29		
minimum elong	1782 Aug 24 05:05	1°♁03'28	1°07'19			1787 Sep 12 07:52	0°☾		
morning rise	1782 Oct 07 14:27	29°♁27'36			retrograde	1787 Nov 28 21:00	27°☾16'05		
	1782 Oct 08 10:34	0°♁			min. Earth dist.	1788 Jan 03 20:27	18°☾53'56	0.63314 AU	
	1782 Nov 23 13:22	0°♁			greatest brilliancy	1788 Jan 07 00:16	17°☾38'04	-1.4m	
	1783 Jan 07 17:41	0°♁			opposition	1788 Jan 07 19:56	17°☾18'22	4°03'39	
desc. node	1783 Feb 07 07:01	20°♁36'51			direct	1788 Feb 15 09:14	8°☾13'32		
	1783 Feb 21 02:26	0°♁				1788 Apr 28 02:43	0°♁		
	1783 Apr 06 00:25	0°♁				1788 Jun 23 04:35	0°♁		
	1783 May 20 15:29	0°♁				1788 Aug 11 15:31	0°♁		
	1783 Jul 09 23:33	0°♁				1788 Sep 26 09:01	0°♁		
retrograde	1783 Aug 29 05:01	14°♁45'54			desc. node	1788 Sep 29 03:48	1°♁53'39		
min. Earth dist.	1783 Sep 24 19:54	10°♁12'13	0.40191 AU		evening set	1788 Nov 02 23:21	26°♁15'14		
greatest brilliancy	1783 Sep 30 07:20	8°♁32'03	-2.7m			1788 Nov 08 04:18	0°♁		
opposition	1783 Oct 01 12:00	8°♁10'06	-4°-6'-9		max. Earth dist.	1788 Nov 18 11:41	7°♁29'32	2.43997 AU	
direct	1783 Oct 31 22:15	2°♁37'01				1788 Dec 18 16:38	0°♁		
asc. node	1783 Dec 08 06:23	10°♁29'05							
	1784 Jan 18 13:04	0°♁			conjunction	1788 Dec 28 04:03	7°♁12'46	0°-49'-55	
	1784 Mar 10 11:15	0°♁			minimum elong	1788 Dec 28 01:51	7°♁08'35	0°49'56	
	1784 Apr 28 17:05	0°☾				1789 Jan 26 15:16	0°♁		
	1784 Jun 16 07:28	0°♁			morning rise	1789 Mar 02 04:54	27°♁08'33		
	1784 Aug 03 07:13	0°♁				1789 Mar 05 20:02	0°♁		
evening set	1784 Aug 14 05:54	6°♁55'33				1789 Apr 13 04:01	0°♁		
max. Earth dist.	1784 Sep 12 17:42	25°♁48'33	2.64544 AU			1789 May 22 12:25	0°♁		
	1784 Sep 19 04:55	0°♁				1789 Jul 02 18:37	0°♁		
					asc. node	1789 Jul 30 03:05	18°♁51'26		
conjunction	1784 Sep 28 19:08	6°♁15'04	0°45'49			1789 Aug 15 23:28	0°☾		
minimum elong	1784 Sep 28 20:17	6°♁16'56	0°45'48			1789 Oct 04 06:18	0°♁		
	1784 Nov 03 13:59	0°♁				1789 Dec 14 06:21	0°♁		
morning rise	1784 Nov 13 04:10	6°♁29'24			retrograde	1790 Jan 01 14:39	1°♁57'54		
	1784 Dec 17 06:04	0°♁				1790 Jan 18 19:49	30°♁		
desc. node	1784 Dec 25 05:35	5°♁36'29			opposition	1790 Feb 10 17:15	22°♁14'59	4°32'22	
	1785 Jan 28 07:43	0°♁			min. Earth dist.	1790 Feb 10 14:38	22°♁17'35	0.67684 AU	
	1785 Mar 10 02:14	0°♁			greatest brilliancy	1790 Feb 10 15:28	22°♁16'45	-1.2m	
	1785 Apr 19 03:00	0°♁			direct	1790 Mar 23 09:29	12°♁27'40		
	1785 May 29 08:55	0°♁				1790 May 25 20:42	0°♁		
	1785 Jul 10 15:12	0°♁				1790 Jul 21 00:05	0°♁		

desc. node	1790 Aug 17 02:37	16°♁42'08		1795 Jun 16 21:32	0°♁	
	1790 Sep 06 12:24	0°♁				
	1790 Oct 19 18:09	0°♁		conjunction	1795 Jul 02 03:08	10°♁06'00 0°53'39
	1790 Nov 29 04:50	0°♁		minimum elong	1795 Jul 02 01:39	10°♁03'33 0°53'37
evening set	1790 Dec 31 01:23	24°♁37'19		max. Earth dist.	1795 Jul 19 21:06	21°♁43'08 2.62787 AU
	1791 Jan 06 21:57	0°♁			1795 Aug 01 15:54	0°♁
	1791 Feb 13 21:39	0°♁		morning rise	1795 Aug 19 14:21	11°♁30'57
					1795 Sep 17 17:23	0°♁
conjunction	1791 Mar 08 00:47	17°♁26'20 0°-56'-18			1795 Nov 04 18:33	0°♁
minimum elong	1791 Mar 08 03:40	17°♁32'00 0°56'17			1795 Dec 24 03:03	0°♁
	1791 Mar 24 02:56	0°♁			1796 Feb 14 21:02	0°♁
max. Earth dist.	1791 Apr 26 08:21	25°♁25'59 2.39607 AU		desc. node	1796 Apr 07 22:44	24°♁02'58
	1791 May 02 10:23	0°♁			1796 May 02 20:53	0°♁
morning rise	1791 May 16 07:18	10°♁17'31		retrograde	1796 May 13 09:16	0°♁39'36
	1791 Jun 12 13:10	0°♁			1796 May 23 17:04	30°♁
asc. node	1791 Jun 17 02:12	3°♁13'07		opposition	1796 Jun 15 02:15	24°♁34'42 -3°-38'-1
	1791 Jul 26 00:19	0°♁		greatest brilliancy	1796 Jun 16 12:51	24°♁07'20 -2.4m
	1791 Sep 10 09:01	0°♁		min. Earth dist.	1796 Jun 23 02:26	22°♁03'46 0.43830 AU
	1791 Oct 31 03:30	0°♁		direct	1796 Jul 20 13:49	17°♁14'28
	1792 Jan 05 04:09	0°♁			1796 Sep 05 01:52	0°♁
retrograde	1792 Feb 05 23:35	5°♁19'07			1796 Oct 25 05:02	0°♁
	1792 Mar 06 01:52	30°♁			1796 Dec 06 19:45	0°♁
opposition	1792 Mar 16 02:51	26°♁14'56 3°39'35		asc. node	1797 Jan 17 06:09	0°♁
greatest brilliancy	1792 Mar 16 18:10	25°♁59'57 -1.3m			1797 Feb 05 23:24	14°♁09'41
min. Earth dist.	1792 Mar 19 21:02	24°♁46'42 0.65440 AU			1797 Feb 28 08:02	0°♁
direct	1792 Apr 26 13:03	16°♁12'39			1797 Apr 12 19:53	0°♁
	1792 Jun 19 03:31	0°♁			1797 May 27 21:58	0°♁
desc. node	1792 Jul 04 00:58	7°♁04'17		evening set	1797 Jun 23 08:21	17°♁10'42
	1792 Aug 13 11:49	0°♁			1797 Jul 13 06:57	0°♁
	1792 Sep 27 16:16	0°♁				
	1792 Nov 07 17:26	0°♁		conjunction	1797 Aug 09 21:13	17°♁37'18 1°08'59
	1792 Dec 16 15:23	0°♁		minimum elong	1797 Aug 09 21:10	17°♁37'13 1°08'59
	1793 Jan 23 18:18	0°♁		max. Earth dist.	1797 Aug 12 06:26	19°♁08'24 2.67311 AU
	1793 Mar 03 04:22	0°♁			1797 Aug 29 07:51	0°♁
evening set	1793 Mar 11 11:32	6°♁22'55		morning rise	1797 Sep 23 18:48	16°♁12'40
	1793 Apr 11 18:39	0°♁			1797 Oct 15 09:01	0°♁
asc. node	1793 May 04 02:18	16°♁21'15			1797 Dec 01 00:36	0°♁
					1798 Jan 16 06:05	0°♁
conjunction	1793 May 13 15:09	23°♁12'45 0°06'05		desc. node	1798 Feb 23 21:53	25°♁08'01
minimum elong	1793 May 13 14:44	23°♁12'00 0°06'06			1798 Mar 03 10:19	0°♁
behind sun begin	1793 May 12 15:21	22°♁30'11			1798 Apr 19 14:46	0°♁
behind sun end	1793 May 14 14:07	23°♁53'47			1798 Jun 11 18:44	0°♁
	1793 May 23 04:16	0°♁		retrograde	1798 Aug 01 06:43	14°♁01'01
max. Earth dist.	1793 Jun 20 03:58	19°♁27'49 2.52967 AU		min. Earth dist.	1798 Aug 29 09:00	9°♁25'15 0.37535 AU
	1793 Jul 05 16:47	0°♁		greatest brilliancy	1798 Aug 31 10:34	8°♁51'48 -2.9m
morning rise	1793 Jul 09 08:08	2°♁26'36		opposition	1798 Aug 31 23:48	8°♁42'52 -6°-22'-53
	1793 Aug 20 09:04	0°♁		direct	1798 Sep 30 11:46	3°♁46'58
	1793 Oct 07 06:14	0°♁			1798 Dec 13 21:39	0°♁
	1793 Nov 27 06:00	0°♁		asc. node	1798 Dec 24 22:46	6°♁17'55
	1794 Jan 26 08:14	0°♁			1799 Feb 01 23:09	0°♁
retrograde	1794 Mar 18 10:45	12°♁11'21			1799 Mar 21 10:50	0°♁
opposition	1794 Apr 24 06:03	4°♁13'23 1°12'49			1799 May 07 20:55	0°♁
greatest brilliancy	1794 Apr 24 18:34	4°♁01'47 -1.7m			1799 Jun 24 13:49	0°♁
min. Earth dist.	1794 May 01 11:53	1°♁32'02 0.56776 AU		evening set	1799 Jul 31 21:03	23°♁29'18
	1794 May 05 19:48	30°♁			1799 Aug 11 03:57	0°♁
desc. node	1794 May 21 23:52	25°♁43'46		max. Earth dist.	1799 Sep 04 06:29	15°♁21'13 2.66384 AU
direct	1794 Jun 03 12:21	24°♁39'37				
	1794 Jul 03 15:50	0°♁		conjunction	1799 Sep 15 09:47	22°♁30'15 0°56'58
	1794 Sep 01 05:32	0°♁		minimum elong	1799 Sep 15 10:50	22°♁31'56 0°56'58
	1794 Oct 15 07:19	0°♁			1799 Sep 27 00:15	0°♁
	1794 Nov 24 11:10	0°♁		morning rise	1799 Oct 29 23:54	21°♁36'33
	1795 Jan 02 08:53	0°♁			1799 Nov 11 14:31	0°♁
	1795 Feb 10 11:44	0°♁			1799 Dec 25 17:48	0°♁
asc. node	1795 Mar 22 01:02	29°♁27'12		desc. node	1800 Jan 11 21:55	11°♁56'31
	1795 Mar 22 19:00	0°♁			1800 Feb 06 11:32	0°♁
	1795 May 03 20:51	0°♁			1800 Mar 20 01:59	0°♁
evening set	1795 May 10 01:57	4°♁18'49			1800 Apr 30 02:32	0°♁

1800 Jun 10 18:54	0° Υ
1800 Jul 26 10:33	0° \mathcal{R}