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

desc. node	1709 Oct 01 23:18	2°♏14’19	
evening set	1709 Oct 31 10:08	22°♏50’38	
	1709 Nov 10 08:57	0°♐	
max. Earth dist.	1709 Nov 15 11:16	3°♐42’03	2.44554 AU
	1709 Dec 20 19:30	0°♑	
conjunction	1709 Dec 25 03:24	3°♑17’26	0°-47’-27
minimum elong	1709 Dec 25 01:15	3°♑13’20	0°47’26
	1710 Jan 28 17:27	0°♒	
greatest brilliancy	1710 Feb 10 12:52	10°♒01’43	1.2m
morning rise	1710 Feb 26 10:39	22°♒31’52	
	1710 Mar 07 22:29	0°♓	
	1710 Apr 15 07:37	0°♈	
	1710 May 24 18:04	0°♉	
	1710 Jul 05 03:31	0°♊	
asc. node	1710 Aug 01 21:45	19°♊02’30	
	1710 Aug 18 14:08	0°♋	
	1710 Oct 07 11:55	0°♌	
retrograde	1710 Dec 30 13:33	29°♌08’27	
opposition	1711 Feb 08 17:32	19°♌24’26	4°33’08
greatest brilliancy	1711 Feb 08 14:56	19°♌27’03	-1.2m
min. Earth dist.	1711 Feb 08 11:10	19°♌30’48	0.67620 AU
direct	1711 Mar 21 09:15	9°♌38’17	
	1711 May 29 21:02	0°♍	
	1711 Jul 23 19:25	0°♎	
desc. node	1711 Aug 19 22:05	16°♎51’48	
	1711 Sep 08 22:39	0°♏	
	1711 Oct 21 23:37	0°♐	
	1711 Dec 01 07:30	0°♑	
evening set	1711 Dec 27 18:32	20°♑26’28	
	1712 Jan 08 23:16	0°♒	
	1712 Feb 15 22:50	0°♓	
conjunction	1712 Mar 03 08:29	12°♓55’42	0°-58’-20
minimum elong	1712 Mar 03 11:05	13°♓00’50	0°58’21
	1712 Mar 25 05:03	0°♈	
max. Earth dist.	1712 Apr 19 10:46	19°♈21’32	2.39133 AU
	1712 May 03 14:21	0°♉	
morning rise	1712 May 11 21:33	6°♉09’54	
	1712 Jun 13 19:44	0°♊	
asc. node	1712 Jun 18 20:05	3°♊32’28	
	1712 Jul 27 10:22	0°♋	
	1712 Sep 12 00:31	0°♌	
	1712 Nov 02 08:08	0°♍	
	1713 Jan 12 21:02	0°♎	
retrograde	1713 Feb 02 19:40	2°♎27’33	
	1713 Feb 22 10:52	30°♍	
opposition	1713 Mar 14 01:14	23°♍21’18	3°45’50
greatest brilliancy	1713 Mar 14 16:07	23°♍06’44	-1.3m
min. Earth dist.	1713 Mar 17 15:56	21°♍56’31	0.65659 AU
direct	1713 Apr 24 12:30	13°♍19’06	
	1713 Jun 23 12:13	0°♎	
desc. node	1713 Jul 06 20:57	6°♎37’41	
	1713 Aug 16 07:00	0°♏	
	1713 Sep 30 01:37	0°♐	
	1713 Nov 09 22:21	0°♑	
	1713 Dec 18 18:12	0°♒	
	1714 Jan 25 20:28	0°♓	
	1714 Mar 05 07:00	0°♈	
evening set	1714 Mar 08 01:50	2°♈08’38	
	1714 Apr 13 22:38	0°♉	
asc. node	1714 May 06 18:43	16°♉41’49	
conjunction	1714 May 10 15:39	19°♉29’03	0°02’30
minimum elong	1714 May 10 15:28	19°♉28’43	0°02’30
behind sun begin	1714 May 09 14:30	18°♉43’52	
behind sun end	1714 May 11 16:27	20°♉13’31	
	1714 May 25 10:14	0°♊	
max. Earth dist.	1714 Jun 18 00:55	16°♊25’33	2.52480 AU
morning rise	1714 Jul 06 19:38	29°♊10’26	
	1714 Jul 08 01:09	0°♋	
	1714 Aug 22 20:19	0°♌	
	1714 Oct 09 21:57	0°♍	
	1714 Nov 30 08:18	0°♎	
	1715 Jan 31 19:40	0°♏	
retrograde	1715 Mar 15 21:46	9°♏04’53	
opposition	1715 Apr 21 20:55	1°♏03’30	1°25’35
greatest brilliancy	1715 Apr 22 11:06	0°♏50’19	-1.7m
	1715 Apr 24 17:00	30°♎	
min. Earth dist.	1715 Apr 29 00:55	28°♎23’36	0.57242 AU
desc. node	1715 May 24 19:38	21°♎49’51	
direct	1715 Jun 01 06:46	21°♎27’17	
	1715 Jul 10 07:11	0°♏	
	1715 Sep 04 05:56	0°♐	
	1715 Oct 17 18:53	0°♑	
	1715 Nov 26 18:08	0°♒	
	1716 Jan 04 14:11	0°♓	
	1716 Feb 12 16:53	0°♈	
asc. node	1716 Mar 23 18:27	29°♈48’10	
	1716 Mar 24 00:56	0°♉	
	1716 May 05 04:02	0°♊	
evening set	1716 May 06 08:25	0°♊49’20	
	1716 Jun 18 06:11	0°♋	
conjunction	1716 Jun 28 17:26	6°♋56’46	0°51’42
minimum elong	1716 Jun 28 15:56	6°♋54’16	0°51’41
max. Earth dist.	1716 Jul 17 08:18	19°♋09’23	2.62485 AU
	1716 Aug 03 02:01	0°♌	
morning rise	1716 Aug 16 10:32	8°♌34’22	
	1716 Sep 19 05:14	0°♍	
	1716 Nov 06 09:22	0°♎	
	1716 Dec 26 00:45	0°♏	
	1717 Feb 17 16:29	0°♐	
desc. node	1717 Apr 10 19:23	22°♐11’05	
retrograde	1717 May 09 23:29	26°♐48’52	
opposition	1717 Jun 11 21:03	20°♐38’25	-3°-19’-1
greatest brilliancy	1717 Jun 13 05:34	20°♐12’21	-2.4m
min. Earth dist.	1717 Jun 19 22:53	18°♐04’13	0.44337 AU
direct	1717 Jul 17 15:09	13°♐09’46	
	1717 Sep 10 04:57	0°♑	
	1717 Oct 28 07:10	0°♒	
	1717 Dec 09 10:58	0°♓	
	1718 Jan 19 17:23	0°♈	
asc. node	1718 Feb 08 16:37	14°♈21’53	
	1718 Mar 02 17:58	0°♉	
	1718 Apr 15 05:44	0°♊	
	1718 May 30 08:11	0°♋	
evening set	1718 Jun 21 01:26	14°♋07’40	
	1718 Jul 15 17:25	0°♌	
conjunction	1718 Aug 07 17:44	14°♌42’04	1°08’54
minimum elong	1718 Aug 07 17:34	14°♌41’49	1°08’53
max. Earth dist.	1718 Aug 10 15:19	16°♌32’55	2.67229 AU
	1718 Aug 31 18:25	0°♍	
morning rise	1718 Sep 21 17:22	13°♍20’24	
	1718 Oct 17 19:55	0°♎	
	1718 Dec 03 12:44	0°♏	
	1719 Jan 18 21:26	0°♐	
desc. node	1719 Feb 26 18:35	25°♐07’59	
	1719 Mar 06 08:32	0°♑	
	1719 Apr 23 05:20	0°♒	
	1719 Jun 18 16:04	0°♓	
retrograde	1719 Jul 28 09:18	9°♓08’06	
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
opposition	1719 Aug 27 22:35	3°♓55’45	-6°-33’-52
	1719 Sep 14 04:11	30°♒	
direct	1719 Sep 26 08:55	29°♒01’19	
	1719 Oct 08 16:09	0°♓	
	1719 Dec 17 23:07	0°♈	
asc. node	1719 Dec 27 15:21	5°♈41’43	
	1720 Feb 04 23:27	0°♉	
	1720 Mar 23 03:28	0°♊	
	1720 May 09 10:31	0°♋	
	1720 Jun 26 01:50	0°♌	
evening set	1720 Jul 28 18:46	20°♌36’30	
	1720 Aug 12 14:40	0°♍	
max. Earth dist.	1720 Sep 01 20:01	12°♍53’04	2.66525 AU
conjunction	1720 Sep 12 08:18	19°♍37’43	0°58’30
minimum elong	1720 Sep 12 09:18	19°♍39’19	0°58’29
	1720 Sep 28 09:40	0°♎	
morning rise	1720 Oct 26 21:24	18°♎39’13	
	1720 Nov 12 22:56	0°♏	
	1720 Dec 27 01:57	0°♐	
desc. node	1721 Jan 13 17:16	12°♐15’50	
	1721 Feb 07 20:24	0°♑	
	1721 Mar 21 12:46	0°♒	
	1721 May 01 17:01	0°♓	
	1721 Jun 12 17:33	0°♈	
	1721 Jul 29 12:19	0°♉	
retrograde	1721 Sep 29 10:20	21°♉07’44	
min. Earth dist.	1721 Oct 27 20:57	15°♉33’42	0.47117 AU
greatest brilliancy	1721 Nov 04 21:10	12°♉42’58	-2.3m
opposition	1721 Nov 05 02:34	12°♉38’09	0°-28’-24
asc. node	1721 Nov 13 15:28	9°♉45’35	
direct	1721 Dec 08 05:39	5°♉44’46	
	1722 Feb 21 02:31	0°♊	
	1722 Apr 16 15:45	0°♋	
	1722 Jun 06 06:06	0°♌	
	1722 Jul 25 01:53	0°♍	
evening set	1722 Sep 03 22:35	25°♍57’02	
	1722 Sep 10 04:33	0°♎	
max. Earth dist.	1722 Sep 26 20:56	10°♎55’39	2.60466 AU
conjunction	1722 Oct 20 08:02	26°♎36’21	0°24’19
minimum elong	1722 Oct 20 08:53	26°♎37’46	0°24’19
	1722 Oct 25 08:13	0°♏	
desc. node	1722 Dec 01 16:11	25°♏53’06	
morning rise	1722 Dec 07 01:02	29°♏41’34	
	1722 Dec 07 11:24	0°♐	
	1723 Jan 17 19:04	0°♑	
	1723 Feb 26 17:28	0°♒	
	1723 Apr 06 21:24	0°♓	
	1723 May 16 03:37	0°♈	
	1723 Jun 25 17:15	0°♉	
	1723 Aug 08 17:12	0°♊	
asc. node	1723 Oct 01 14:29	29°♊25’29	
	1723 Oct 02 23:45	0°♋	
retrograde	1723 Nov 12 06:57	9°♋18’15	
min. Earth dist.	1723 Dec 16 04:33	1°♋39’23	0.59454 AU
	1723 Dec 20 09:14	30°♊	
greatest brilliancy	1723 Dec 20 19:45	29°♊49’34	-1.6m
opposition	1723 Dec 21 18:44	29°♊26’48	3°16’44
direct	1724 Jan 28 01:02	20°♊50’22	
	1724 Mar 10 22:54	0°♋	
	1724 May 13 00:27	0°♌	
	1724 Jul 04 05:02	0°♍	
	1724 Aug 21 11:32	0°♎	
	1724 Oct 05 19:06	0°♏	
evening set	1724 Oct 13 09:16	5°♏12’21	
desc. node	1724 Oct 18 15:00	8°♏49’49	
max. Earth dist.	1724 Oct 28 02:51	15°♏27’47	2.49664 AU
	1724 Nov 17 12:43	0°♐	
conjunction	1724 Dec 03 13:48	11°♐41’18	0°-27’-27
minimum elong	1724 Dec 03 12:27	11°♐38’51	0°27’27
	1724 Dec 28 03:24	0°♑	
morning rise	1725 Jan 29 20:16	25°♑01’29	
	1725 Feb 05 06:13	0°♒	
	1725 Mar 15 15:20	0°♓	
	1725 Apr 23 03:23	0°♈	
	1725 Jun 01 16:41	0°♉	
	1725 Jul 13 08:13	0°♊	
asc. node	1725 Aug 18 12:54	24°♊14’36	
	1725 Aug 27 15:10	0°♋	
	1725 Oct 20 08:05	0°♌	
retrograde	1725 Dec 17 06:29	16°♌13’01	
min. Earth dist.	1726 Jan 24 16:52	7°♌03’08	0.66587 AU
greatest brilliancy	1726 Jan 26 01:29	6°♌30’27	-1.3m
opposition	1726 Jan 26 11:40	6°♌20’14	4°30’13
	1726 Feb 13 03:11	30°♋	
direct	1726 Mar 07 10:24	26°♋47’44	
	1726 Mar 31 17:23	0°♌	
	1726 Jun 10 13:20	0°♍	
	1726 Aug 01 06:01	0°♎	
desc. node	1726 Sep 05 13:15	22°♎37’49	
	1726 Sep 16 13:32	0°♏	
	1726 Oct 29 09:38	0°♐	
evening set	1726 Dec 03 03:59	25°♐45’59	
	1726 Dec 08 17:47	0°♑	
max. Earth dist.	1727 Jan 13 05:35	27°♑27’27	2.37548 AU
	1727 Jan 16 11:25	0°♒	
conjunction	1727 Feb 03 08:31	14°♒04’36	-1°-4’-48
minimum elong	1727 Feb 03 08:15	14°♒04’06	1°04’50
	1727 Feb 23 12:24	0°♓	
	1727 Apr 02 18:44	0°♈	
morning rise	1727 Apr 14 20:08	9°♈18’34	
	1727 May 12 03:09	0°♉	
	1727 Jun 22 07:54	0°♊	
asc. node	1727 Jul 06 12:38	9°♊57’09	
	1727 Aug 05 02:00	0°♋	
	1727 Sep 21 09:44	0°♌	
	1727 Nov 14 22:50	0°♍	
retrograde	1728 Jan 20 18:19	19°♍34’33	
opposition	1728 Feb 29 11:57	10°♍10’52	4°13’35
greatest brilliancy	1728 Feb 29 20:53	10°♍02’01	-1.2m
min. Earth dist.	1728 Mar 02 14:31	9°♍20’52	0.67220 AU
direct	1728 Apr 10 19:42	0°♍11’19	
	1728 Jul 06 13:35	0°♎	
desc. node	1728 Jul 23 12:42	9°♎36’52	
	1728 Aug 25 10:14	0°♏	
	1728 Oct 08 06:23	0°♐	
	1728 Nov 17 19:43	0°♑	
	1728 Dec 26 12:41	0°♒	
	1729 Feb 02 12:47	0°♓	
greatest brilliancy	1729 Feb 05 06:21	2°♓09’20	1.2m
evening set	1729 Feb 08 04:08	4°♓26’55	
	1729 Mar 12 20:31	0°♈	
conjunction	1729 Apr 16 07:37	26°♈14’27	0°-23’-39
minimum elong	1729 Apr 16 09:30	26°♈17’59	0°23’39
	1729 Apr 21 08:33	0°♉	
asc. node	1729 May 23 10:53	23°♉25’55	
	1729 Jun 01 16:17	0°♊	
max. Earth dist.	1729 Jun 01 23:51	0°♊13’23	2.47368 AU
morning rise	1729 Jun 17 10:35	11°♊02’50	

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

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

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

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

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

	1780 Jun	08	20:00	0°♋	
conjunction	1780 Jul	17	07:59	25°♋11’22	1°03’11
minimum elong	1780 Jul	17	07:00	25°♋09’45	1°03’11
	1780 Jul	24	18:55	0°♌	
max. Earth dist.	1780 Jul	28	18:25	2°♌33’40	2.65216 AU
morning rise	1780 Sep	01	23:04	25°♌02’24	
	1780 Sep	09	18:41	0°♍	
	1780 Oct	27	07:24	0°♎	
	1780 Dec	14	06:41	0°♏	
	1781 Feb	01	08:28	0°♐	
desc. node	1781 Mar	22	07:16	27°♐56’35	
	1781 Mar	26	04:45	0°♑	
retrograde	1781 Jun	12	00:33	25°♑52’18	
opposition	1781 Jul	12	18:49	20°♑37’00	-5°-51’-49
greatest brilliancy	1781 Jul	14	05:05	20°♑12’44	-2.7m
min. Earth dist.	1781 Jul	18	04:42	19°♑05’17	0.39474 AU
direct	1781 Aug	14	04:56	14°♑41’02	
	1781 Oct	04	19:57	0°♒	
	1781 Nov	23	13:35	0°♓	
	1782 Jan	06	16:13	0°♈	
asc. node	1782 Jan	20	07:59	9°♈25’14	
	1782 Feb	19	07:15	0°♉	
	1782 Apr	04	19:44	0°♊	
	1782 May	20	14:08	0°♋	
	1782 Jul	06	08:54	0°♌	
evening set	1782 Jul	08	19:06	1°♌32’41	
max. Earth dist.	1782 Aug	21	02:25	29°♌04’41	2.67587 AU
	1782 Aug	22	13:12	0°♍	
conjunction	1782 Aug	24	04:37	1°♍02’42	1°07’19
minimum elong	1782 Aug	24	05:05	1°♍03’28	1°07’19
morning rise	1782 Oct	07	14:27	29°♍27’36	
	1782 Oct	08	10:34	0°♎	
	1782 Nov	23	13:22	0°♏	
	1783 Jan	07	17:41	0°♐	
desc. node	1783 Feb	07	07:01	20°♐36’51	
	1783 Feb	21	02:26	0°♑	
	1783 Apr	06	00:25	0°♒	
	1783 May	20	15:29	0°♓	
	1783 Jul	09	23:33	0°♈	
retrograde	1783 Aug	29	05:01	14°♈45’54	
min. Earth dist.	1783 Sep	24	19:54	10°♈12’13	0.40191 AU
greatest brilliancy	1783 Sep	30	07:20	8°♈32’03	-2.7m
opposition	1783 Oct	01	12:00	8°♈10’06	-4°-6’-9
direct	1783 Oct	31	22:15	2°♈37’01	
asc. node	1783 Dec	08	06:23	10°♈29’05	
	1784 Jan	18	13:04	0°♉	
	1784 Mar	10	11:15	0°♊	
	1784 Apr	28	17:05	0°♋	
	1784 Jun	16	07:28	0°♌	
	1784 Aug	03	07:13	0°♍	
evening set	1784 Aug	14	05:54	6°♍55’33	
max. Earth dist.	1784 Sep	12	17:42	25°♍48’33	2.64544 AU
	1784 Sep	19	04:55	0°♎	
conjunction	1784 Sep	28	19:08	6°♎15’04	0°45’49
minimum elong	1784 Sep	28	20:17	6°♎16’56	0°45’48
	1784 Nov	03	13:59	0°♏	
morning rise	1784 Nov	13	04:10	6°♏29’24	
	1784 Dec	17	06:04	0°♐	
desc. node	1784 Dec	25	05:35	5°♐36’29	
	1785 Jan	28	07:43	0°♑	
	1785 Mar	10	02:14	0°♒	
	1785 Apr	19	03:00	0°♓	
	1785 May	29	08:55	0°♈	
	1785 Jul	10	15:12	0°♉	

	1785 Aug	29	07:20	0°♊	
retrograde	1785 Oct	20	12:08	15°♊20’35	
asc. node	1785 Oct	25	05:41	15°♊10’43	
min. Earth dist.	1785 Nov	20	07:50	8°♊48’27	0.52885 AU
greatest brilliancy	1785 Nov	27	00:59	6°♊15’25	-2.0m
opposition	1785 Nov	27	18:02	5°♊59’10	1°38’06
	1785 Dec	16	15:21	30°♉	
direct	1786 Jan	01	20:47	28°♉13’23	
	1786 Jan	19	01:44	0°♊	
	1786 Apr	02	16:49	0°♋	
	1786 May	26	08:07	0°♌	
	1786 Jul	15	07:17	0°♍	
	1786 Aug	31	20:41	0°♎	
evening set	1786 Sep	21	03:56	13°♎16’24	
max. Earth dist.	1786 Oct	09	21:25	25°♎47’30	2.56293 AU
	1786 Oct	16	02:23	0°♏	
conjunction	1786 Nov	08	00:39	15°♏49’00	0°02’31
minimum elong	1786 Nov	08	00:45	15°♏49’10	0°02’31
behind sun begin	1786 Nov	07	04:15	15°♏13’22	
behind sun end	1786 Nov	08	21:16	16°♏25’01	
desc. node	1786 Nov	12	04:13	18°♏43’24	
	1786 Nov	28	01:53	0°♐	
morning rise	1786 Dec	28	20:07	22°♐22’43	
	1787 Jan	08	02:22	0°♑	
	1787 Feb	16	15:43	0°♒	
	1787 Mar	27	10:09	0°♓	
	1787 May	05	05:45	0°♈	
	1787 Jun	14	03:02	0°♉	
	1787 Jul	26	12:01	0°♊	
asc. node	1787 Sep	12	05:23	29°♊56’29	
	1787 Sep	12	07:52	0°♋	
retrograde	1787 Nov	28	21:00	27°♋16’05	
min. Earth dist.	1788 Jan	03	20:27	18°♋53’56	0.63314 AU
greatest brilliancy	1788 Jan	07	00:16	17°♋38’04	-1.4m
opposition	1788 Jan	07	19:56	17°♋18’22	4°03’39
direct	1788 Feb	15	09:14	8°♋13’32	
	1788 Apr	28	02:43	0°♌	
	1788 Jun	23	04:35	0°♍	
	1788 Aug	11	15:31	0°♎	
	1788 Sep	26	09:01	0°♏	
desc. node	1788 Sep	29	03:48	1°♏53’39	
evening set	1788 Nov	02	23:21	26°♏15’14	
	1788 Nov	08	04:18	0°♐	
max. Earth dist.	1788 Nov	18	11:41	7°♐29’32	2.43997 AU
	1788 Dec	18	16:38	0°♑	
conjunction	1788 Dec	28	04:03	7°♑12’46	0°-49’-55
minimum elong	1788 Dec	28	01:51	7°♑08’35	0°49’56
	1789 Jan	26	15:16	0°♒	
morning rise	1789 Mar	02	04:54	27°♒08’33	
	1789 Mar	05	20:02	0°♓	
	1789 Apr	13	04:01	0°♈	
	1789 May	22	12:25	0°♉	
	1789 Jul	02	18:37	0°♊	
asc. node	1789 Jul	30	03:05	18°♊51’26	
	1789 Aug	15	23:28	0°♋	
	1789 Oct	04	06:18	0°♌	
	1789 Dec	14	06:21	0°♍	
retrograde	1790 Jan	01	14:39	1°♍57’54	
	1790 Jan	18	19:49	30°♌	
opposition	1790 Feb	10	17:15	22°♌14’59	4°32’22
min. Earth dist.	1790 Feb	10	14:38	22°♌17’35	0.67684 AU
greatest brilliancy	1790 Feb	10	15:28	22°♌16’45	-1.2m
direct	1790 Mar	23	09:29	12°♌27’40	
	1790 May	25	20:42	0°♍	
	1790 Jul	21	00:05	0°♎	

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

1800 Jun	10	18:54	0°♈
1800 Jul	26	10:33	0°♉