

superior conj	1699 Apr 11 15:23	21°♃55'53	0°-40'-18	superior conj	1700 Mar 26 11:37	5°♃49'06	-1°-7'-42
minimum elong	1699 Apr 11 17:25	22°♃06'31	0°39'55	minimum elong	1700 Mar 26 14:58	6°♃06'07	1°07'08
	1699 Apr 15 10:50	0°♃		asc. node	1700 Apr 02 10:46	20°♃10'29	
asc. node	1699 Apr 15 13:42	0°♃15'15		evening rise	1700 Apr 03 08:15	22°♃00'53	
evening rise	1699 Apr 19 00:42	7°♃33'40			1700 Apr 07 07:47	0°♃	
	1699 May 01 01:54	0°♃		evening max el	1700 Apr 21 16:08	21°♃43'20	20°25'21
evening max el	1699 May 09 12:02	10°♃38'36	21°47'41	retrograde	1700 May 02 13:10	26°♃59'32	
retrograde	1699 May 21 23:58	16°♃46'36		evening set	1700 May 04 15:03	26°♃48'48	
desc. node	1699 May 24 01:30	16°♃37'00		desc. node	1700 May 10 22:33	24°♃26'39	
evening set	1699 May 24 14:28	16°♃31'25		inferior conj	1700 May 13 18:19	22°♃50'58	0°-49'-19
inferior conj	1699 Jun 02 23:37	12°♃28'53	-2°-46'-24	minimum elong	1700 May 13 16:00	22°♃54'21	0°48'29
minimum elong	1699 Jun 02 16:27	12°♃38'55	2°44'09	min. Earth dist.	1700 May 15 04:41	22°♃00'57	0.55113 AU
min. Earth dist.	1699 Jun 02 15:56	12°♃39'37	0.54984 AU	morning rise	1700 May 22 15:10	18°♃37'41	
morning rise	1699 Jun 11 19:32	8°♃34'34		direct	1700 May 26 09:43	18°♃06'57	
direct	1699 Jun 14 22:38	8°♃12'59		morning max el	1700 Jun 08 20:12	24°♃39'15	23°26'38
morning max el	1699 Jun 27 02:05	13°♃55'33	21°46'39		1700 Jun 13 18:10	0°♃	
	1699 Jul 09 02:22	0°♃		asc. node	1700 Jun 29 10:00	25°♃47'08	
asc. node	1699 Jul 12 12:56	6°♃14'11			1700 Jul 01 11:22	0°♃	
morning set	1699 Jul 17 20:25	16°♃51'39		morning set	1700 Jul 02 07:50	1°♃47'02	
	1699 Jul 24 02:04	0°♃					
superior conj	1699 Jul 25 04:02	2°♃16'21	1°39'51	superior conj	1700 Jul 09 10:14	17°♃00'40	1°28'21
minimum elong	1699 Jul 25 02:23	2°♃07'39	1°39'44	minimum elong	1700 Jul 09 07:56	16°♃48'20	1°28'05
max. Earth dist.	1699 Jul 28 20:58	9°♃54'59	1.34820 AU	max. Earth dist.	1700 Jul 11 19:52	22°♃07'54	1.33580 AU
evening rise	1699 Aug 02 09:37	18°♃51'40			1700 Jul 15 14:52	0°♃	
	1699 Aug 08 10:32	0°♃		evening rise	1700 Jul 17 00:43	2°♃50'24	
desc. node	1699 Aug 20 00:49	18°♃52'33			1700 Aug 01 06:28	0°♃	
	1699 Aug 28 00:38	0°♃		desc. node	1700 Aug 06 21:51	8°♃24'38	
evening max el	1699 Sep 06 12:30	10°♃47'55	26°52'17	evening max el	1700 Aug 20 00:13	24°♃07'57	27°21'52
retrograde	1699 Sep 19 15:15	18°♃03'44			1700 Aug 27 22:42	0°♃	
evening set	1699 Sep 26 08:19	15°♃21'50		retrograde	1700 Sep 02 12:41	1°♃26'03	
min. Earth dist.	1699 Sep 30 08:06	11°♃21'43	0.65656 AU		1700 Sep 07 17:16	30°♃	
inferior conj	1699 Oct 02 04:47	9°♃11'36	-2°-5'-58	evening set	1700 Sep 09 15:02	28°♃44'21	
minimum elong	1699 Oct 02 08:08	9°♃01'51	2°04'42	min. Earth dist.	1700 Sep 13 08:31	25°♃20'06	0.64259 AU
morning rise	1699 Oct 08 09:22	3°♃29'41		inferior conj	1700 Sep 15 18:00	22°♃47'50	-3°-2'-51
asc. node	1699 Oct 08 12:10	3°♃26'13		minimum elong	1700 Sep 15 22:41	22°♃35'24	3°01'19
direct	1699 Oct 11 04:00	2°♃47'09		morning rise	1700 Sep 22 08:21	17°♃21'43	
morning max el	1699 Oct 17 17:35	6°♃21'32	18°19'27	direct	1700 Sep 24 21:10	16°♃49'03	
	1699 Nov 02 22:37	0°♃		asc. node	1700 Sep 25 09:13	16°♃50'21	
morning set	1699 Nov 05 20:43	4°♃44'55		morning max el	1700 Oct 01 09:27	20°♃15'19	17°56'58
desc. node	1699 Nov 16 00:07	21°♃04'08			1700 Oct 08 17:04	0°♃	
				morning set	1700 Oct 18 12:40	16°♃22'33	
superior conj	1699 Nov 21 01:15	29°♃03'36	0°-33'-16		1700 Oct 26 14:57	0°♃	
minimum elong	1699 Nov 20 20:56	28°♃46'34	0°32'42	superior conj	1700 Oct 31 16:13	8°♃16'35	0°14'50
	1699 Nov 21 15:34	0°♃		minimum elong	1700 Oct 31 17:54	8°♃23'26	0°14'36
max. Earth dist.	1699 Nov 23 00:20	2°♃08'53	1.45105 AU	behind sun begin	1700 Oct 31 13:28	8°♃05'28	
evening rise	1699 Dec 07 09:49	24°♃41'37		behind sun end	1700 Oct 31 22:20	8°♃41'23	
	1699 Dec 10 19:09	0°♃		desc. node	1700 Nov 02 21:10	11°♃50'02	
greatest brilliancy	1699 Dec 21 19:50	17°♃00'09	-0.7m	max. Earth dist.	1700 Nov 05 19:02	16°♃28'56	1.44525 AU
evening max el	1699 Dec 30 22:09	28°♃56'03	19°20'38		1700 Nov 14 10:08	0°♃	
	1700 Jan 01 00:23	0°♃		evening rise	1700 Nov 16 22:02	3°♃51'10	
asc. node	1700 Jan 04 11:29	2°♃25'33			1700 Dec 04 08:13	0°♃	
retrograde	1700 Jan 07 00:57	3°♃01'21		greatest brilliancy	1700 Dec 07 16:28	4°♃39'12	-0.6m
evening set	1700 Jan 10 09:47	1°♃55'02		evening max el	1700 Dec 14 01:53	12°♃25'25	20°17'47
	1700 Jan 12 15:56	30°♃		retrograde	1700 Dec 21 22:50	17°♃03'15	
inferior conj	1700 Jan 16 00:12	26°♃00'16	3°12'44	asc. node	1700 Dec 22 08:30	17°♃02'20	
minimum elong	1700 Jan 15 21:45	26°♃08'12	3°12'13	evening set	1700 Dec 25 16:06	15°♃42'53	
min. Earth dist.	1700 Jan 17 07:27	24°♃19'27	0.66233 AU	inferior conj	1700 Dec 31 03:15	9°♃34'54	2°40'04
morning rise	1700 Jan 21 08:55	19°♃46'42		minimum elong	1700 Dec 31 00:36	9°♃43'51	2°39'18
direct	1700 Jan 27 15:27	17°♃01'08		min. Earth dist.	1700 Dec 31 21:03	8°♃34'44	0.67125 AU
morning max el	1700 Feb 09 04:57	24°♃27'33	26°06'07	morning rise	1701 Jan 05 08:36	3°♃19'42	
desc. node	1700 Feb 11 23:21	27°♃24'25		direct	1701 Jan 11 01:03	0°♃49'16	
	1700 Feb 14 05:06	0°♃		morning max el	1701 Jan 22 13:37	7°♃41'41	24°45'42
	1700 Mar 07 01:22	0°♃		desc. node	1701 Jan 29 20:24	16°♃03'32	
morning set	1700 Mar 17 08:48	18°♃02'52			1701 Feb 09 00:26	0°♃	
max. Earth dist.	1700 Mar 21 08:35	25°♃37'31	1.35364 AU	morning set	1701 Feb 27 14:56	0°♃00'22	
	1700 Mar 23 14:06	0°♃			1701 Feb 27 14:51	0°♃	

max. Earth dist.	1701 Mar 03 07:45	6°♄40'20	1.37226 AU	desc. node	1702 Jan 16 17:25	5°♁23'51	
					1702 Feb 02 06:57	0°♁	
superior conj	1701 Mar 09 21:34	19°♄07'32	-1°-32'-46	morning set	1702 Feb 08 20:14	10°♁42'17	
minimum elong	1701 Mar 10 01:44	19°♄27'54	1°32'15	max. Earth dist.	1702 Feb 13 02:27	17°♁58'51	1.39343 AU
	1701 Mar 15 09:12	0°♃			1702 Feb 19 19:30	0°♄	
evening rise	1701 Mar 18 10:19	6°♃06'21					
asc. node	1701 Mar 20 07:50	9°♃52'00		superior conj	1702 Feb 20 17:07	1°♄39'59	-1°-52'-45
	1701 Apr 01 05:41	0°♂		minimum elong	1702 Feb 20 20:56	1°♄57'41	1°52'29
evening max el	1701 Apr 04 07:52	3°♂27'34	19°21'09	evening rise	1702 Mar 02 04:04	19°♄41'32	
retrograde	1701 Apr 13 12:21	7°♂53'55		asc. node	1702 Mar 07 04:52	29°♄13'32	
evening set	1701 Apr 15 14:22	7°♄41'12			1702 Mar 07 15:02	0°♃	
inferior conj	1701 Apr 24 01:08	3°♂33'09	1°03'57	evening max el	1702 Mar 18 09:24	15°♃47'50	18°36'56
minimum elong	1701 Apr 24 03:41	3°♂28'57	1°03'04	retrograde	1702 Mar 26 05:03	19°♃37'16	
min. Earth dist.	1701 Apr 26 19:26	1°♄44'31	0.56163 AU	evening set	1702 Mar 28 12:13	19°♃18'35	
desc. node	1701 Apr 27 19:34	1°♄06'57		inferior conj	1702 Apr 05 03:58	14°♃52'14	2°28'51
	1701 Apr 29 18:47	30°♃		minimum elong	1702 Apr 05 08:02	14°♃44'25	2°27'47
morning rise	1701 May 02 13:04	28°♃46'48		min. Earth dist.	1702 Apr 08 13:23	12°♃17'02	0.57908 AU
direct	1701 May 07 06:55	27°♃55'22		morning rise	1702 Apr 12 23:32	9°♃33'11	
	1701 May 14 16:56	0°♂		desc. node	1702 Apr 14 16:36	8°♃51'00	
morning max el	1701 May 21 10:48	5°♄07'03	25°06'58	direct	1702 Apr 18 18:28	8°♃08'51	
	1701 Jun 08 07:27	0°♄		morning max el	1702 May 03 03:28	15°♃45'23	26°32'19
asc. node	1701 Jun 16 07:04	15°♄37'18			1702 May 14 16:43	0°♂	
morning set	1701 Jun 16 19:42	16°♄43'45			1702 May 31 12:03	0°♄	
	1701 Jun 22 23:01	0°♁		morning set	1702 Jun 01 06:25	1°♄36'00	
				asc. node	1702 Jun 03 04:07	5°♄38'44	
superior conj	1701 Jun 23 20:06	1°♁55'10	1°12'09				
minimum elong	1701 Jun 23 17:42	1°♁42'04	1°11'46	superior conj	1702 Jun 08 07:40	16°♄52'59	0°52'03
max. Earth dist.	1701 Jun 25 02:25	4°♁40'19	1.32740 AU	minimum elong	1702 Jun 08 05:39	16°♄41'49	0°51'39
evening rise	1701 Jul 01 00:48	17°♁15'17		max. Earth dist.	1702 Jun 08 13:35	17°♄25'27	1.32287 AU
	1701 Jul 07 13:04	0°♂			1702 Jun 14 08:42	0°♁	
desc. node	1701 Jul 24 18:52	27°♂15'33		evening rise	1702 Jun 15 06:57	1°♁57'09	
	1701 Jul 26 23:08	0°♄			1702 Jun 30 12:23	0°♂	
evening max el	1701 Aug 02 09:07	6°♄59'16	27°21'48	desc. node	1702 Jul 11 15:53	15°♂08'24	
retrograde	1701 Aug 16 03:53	14°♄16'08		evening max el	1702 Jul 15 12:55	19°♂10'54	26°48'51
evening set	1701 Aug 23 08:44	11°♄46'41		retrograde	1702 Jul 29 11:49	26°♂24'53	
min. Earth dist.	1701 Aug 26 22:48	8°♄52'04	0.62518 AU	evening set	1702 Aug 05 09:03	24°♂21'36	
inferior conj	1701 Aug 29 20:31	6°♄07'08	-3°-54'-50	min. Earth dist.	1702 Aug 09 02:53	21°♂43'48	0.60525 AU
minimum elong	1701 Aug 30 01:48	5°♄54'38	3°53'31	inferior conj	1702 Aug 12 09:03	19°♂01'29	-4°-35'-47
morning rise	1701 Sep 05 21:31	1°♄00'12		minimum elong	1702 Aug 12 13:20	18°♂52'34	4°35'09
direct	1701 Sep 08 07:07	0°♄34'14		morning rise	1702 Aug 19 20:49	14°♂16'18	
asc. node	1701 Sep 12 06:16	1°♄46'53		direct	1702 Aug 22 06:02	13°♂54'25	
morning max el	1701 Sep 15 01:13	4°♄00'50	17°52'24	morning max el	1702 Aug 29 13:48	17°♂30'18	18°06'49
morning set	1701 Oct 01 02:49	29°♄03'44		asc. node	1702 Aug 30 03:18	18°♂04'04	
	1701 Oct 01 15:25	0°♁			1702 Sep 07 11:59	0°♄	
				morning set	1702 Sep 14 09:13	12°♄31'46	
superior conj	1701 Oct 12 09:09	18°♁47'06	0°54'56		1702 Sep 23 20:32	0°♁	
minimum elong	1701 Oct 12 13:38	19°♁06'08	0°54'21				
	1701 Oct 19 03:17	0°♄		superior conj	1702 Sep 24 04:21	0°♁34'58	1°23'02
max. Earth dist.	1701 Oct 19 09:56	0°♄26'59	1.43286 AU	minimum elong	1702 Sep 24 08:29	0°♁53'27	1°22'37
desc. node	1701 Oct 20 18:11	2°♄37'19		max. Earth dist.	1702 Oct 01 19:27	13°♁49'00	1.41553 AU
evening rise	1701 Oct 27 06:57	12°♄57'26		evening rise	1702 Oct 07 05:31	22°♁43'53	
	1701 Nov 07 12:39	0°♄		desc. node	1702 Oct 07 15:12	23°♁22'49	
greatest brilliancy	1701 Nov 21 23:49	20°♄09'41	-0.4m		1702 Oct 11 19:39	0°♄	
evening max el	1701 Nov 26 23:54	25°♄55'13	21°27'15		1702 Nov 01 15:06	0°♄	
	1701 Dec 01 23:08	0°♁		greatest brilliancy	1702 Nov 04 17:09	3°♄52'18	-0.3m
retrograde	1701 Dec 05 20:11	1°♁10'53		evening max el	1702 Nov 09 16:50	9°♄27'32	22°44'48
asc. node	1701 Dec 09 05:32	0°♁07'15		retrograde	1702 Nov 19 15:24	15°♄21'43	
	1701 Dec 09 09:58	30°♄		evening set	1702 Nov 24 07:11	13°♄28'58	
evening set	1701 Dec 09 23:47	29°♄34'56		asc. node	1702 Nov 26 02:32	11°♄43'48	
inferior conj	1701 Dec 15 09:26	23°♄17'14	1°59'27	inferior conj	1702 Nov 29 16:51	7°♄05'22	1°12'35
minimum elong	1701 Dec 15 07:06	23°♄25'18	1°58'38	minimum elong	1702 Nov 29 15:15	7°♄10'54	1°11'56
min. Earth dist.	1701 Dec 15 15:20	22°♄56'51	0.67642 AU	min. Earth dist.	1702 Nov 29 11:52	7°♄22'36	0.67811 AU
morning rise	1701 Dec 20 14:07	17°♄02'19		morning rise	1702 Dec 04 23:14	0°♄52'59	
direct	1701 Dec 25 15:24	14°♄52'35			1702 Dec 06 05:37	30°♄	
morning max el	1702 Jan 04 22:38	21°♄00'14	23°17'30	direct	1702 Dec 09 09:41	29°♄05'59	
greatest brilliancy	1702 Jan 10 04:24	26°♄53'29	-0.2m		1702 Dec 12 19:41	0°♄	
	1702 Jan 12 15:56	0°♁		morning max el	1702 Dec 18 11:21	4°♄25'40	21°51'05

greatest brilliancy	1702 Dec 23 06:13	9°♁50'01	-0.4m	direct	1703 Nov 23 06:43	13°♁24'04	
desc. node	1703 Jan 03 14:27	25°♁14'09		morning max el	1703 Dec 01 06:56	18°♁01'14	20°33'35
	1703 Jan 06 20:34	0°♁		greatest brilliancy	1703 Dec 07 10:09	25°♁15'48	-0.5m
morning set	1703 Jan 19 20:23	20°♁00'09			1703 Dec 10 21:58	0°♁	
	1703 Jan 25 23:27	0°♁		desc. node	1703 Dec 21 11:29	15°♁25'42	
max. Earth dist.	1703 Jan 26 00:43	0°♁05'18	1.41456 AU	morning set	1703 Dec 29 21:01	28°♁15'53	
					1703 Dec 30 23:48	0°♁	
superior conj	1703 Feb 02 17:26	13°♁15'28	-2°-3'-43	max. Earth dist.	1704 Jan 08 07:03	13°♁09'32	1.43262 AU
minimum elong	1703 Feb 02 18:47	13°♁21'22	2°03'43				
	1703 Feb 11 23:39	0°♁		superior conj	1704 Jan 14 17:25	23°♁42'32	-2°00'-51
evening rise	1703 Feb 13 10:07	2°♁39'07		minimum elong	1704 Jan 14 13:53	23°♁27'50	2°00'44
asc. node	1703 Feb 22 01:52	18°♁08'46			1704 Jan 18 11:02	0°♁	
evening max el	1703 Mar 01 17:43	28°♁36'29	18°12'41	evening rise	1704 Jan 27 00:25	14°♁51'08	
	1703 Mar 03 07:48	0°♁			1704 Feb 04 18:18	0°♁	
retrograde	1703 Mar 08 16:03	2°♁05'19		asc. node	1704 Feb 08 22:53	6°♁29'50	
evening set	1703 Mar 11 04:46	1°♁38'15		evening max el	1704 Feb 13 05:36	11°♁44'53	18°08'00
	1703 Mar 14 06:51	30°♁		retrograde	1704 Feb 19 17:53	15°♁08'40	
inferior conj	1703 Mar 18 03:41	26°♁50'34	3°19'49	evening set	1704 Feb 22 11:34	14°♁31'57	
minimum elong	1703 Mar 18 06:35	26°♁44'03	3°19'23	inferior conj	1704 Feb 28 21:16	9°♁22'57	3°42'01
min. Earth dist.	1703 Mar 21 12:25	23°♁51'19	0.60009 AU	minimum elong	1704 Feb 28 22:08	9°♁20'42	3°41'58
morning rise	1703 Mar 25 04:57	21°♁07'49		min. Earth dist.	1704 Mar 02 19:17	6°♁24'44	0.62121 AU
direct	1703 Mar 31 18:36	19°♁06'46		morning rise	1704 Mar 06 06:20	3°♁25'12	
desc. node	1703 Apr 01 13:38	19°♁08'29		direct	1704 Mar 13 04:27	0°♁54'23	
morning max el	1703 Apr 15 01:42	26°♁56'04	27°29'00	desc. node	1704 Mar 18 10:41	2°♁11'15	
	1703 Apr 17 23:38	0°♁		morning max el	1704 Mar 27 06:05	8°♁48'55	27°49'27
	1703 May 08 05:41	0°♁			1704 Apr 12 14:16	0°♁	
morning set	1703 May 16 14:13	16°♁17'33			1704 Apr 29 08:52	0°♁	
asc. node	1703 May 21 01:09	25°♁46'26		morning set	1704 Apr 29 17:10	0°♁42'07	
	1703 May 22 23:36	0°♁		max. Earth dist.	1704 May 05 11:10	12°♁46'48	1.32542 AU
max. Earth dist.	1703 May 23 01:45	0°♁11'50	1.32218 AU				
				superior conj	1704 May 07 05:07	16°♁33'59	0°03'04
superior conj	1703 May 23 19:14	1°♁47'48	0°28'46	minimum elong	1704 May 07 04:58	16°♁33'12	0°03'02
minimum elong	1703 May 23 17:59	1°♁40'54	0°28'30	behind sun begin	1704 May 06 23:54	16°♁05'39	
evening rise	1703 May 30 16:51	16°♁47'54		behind sun end	1704 May 07 10:03	17°♁00'48	
	1703 Jun 06 06:18	0°♁		asc. node	1704 May 06 22:12	15°♁56'20	
	1703 Jun 26 18:55	0°♁			1704 May 13 09:37	0°♁	
evening max el	1703 Jun 27 09:51	0°♁36'16	25°44'27	evening rise	1704 May 14 04:33	1°♁40'49	
desc. node	1703 Jun 28 12:54	1°♁38'43			1704 May 29 17:21	0°♁	
retrograde	1703 Jul 11 10:22	7°♁45'43		evening max el	1704 Jun 08 00:50	11°♁21'45	24°17'00
evening set	1703 Jul 17 11:14	6°♁19'16		desc. node	1704 Jun 14 09:55	16°♁14'20	
min. Earth dist.	1703 Jul 21 22:12	3°♁40'45	0.58469 AU	retrograde	1704 Jun 21 21:17	18°♁20'52	
inferior conj	1703 Jul 25 04:00	1°♁20'39	-4°-55'-59	evening set	1704 Jun 26 14:00	17°♁31'47	
minimum elong	1703 Jul 25 04:51	1°♁19'07	4°55'59	min. Earth dist.	1704 Jul 02 11:45	14°♁35'27	0.56630 AU
	1703 Jul 27 01:34	30°♁		inferior conj	1704 Jul 05 02:52	12°♁56'23	-4°-42'-1
morning rise	1703 Aug 02 02:03	26°♁58'23		minimum elong	1704 Jul 04 22:28	13°♁03'20	4°41'31
direct	1703 Aug 04 13:39	26°♁38'34		morning rise	1704 Jul 13 10:33	8°♁54'32	
	1703 Aug 12 05:03	0°♁		direct	1704 Jul 16 02:30	8°♁35'33	
morning max el	1703 Aug 12 19:57	0°♁34'01	18°41'32	morning max el	1704 Jul 25 16:47	13°♁02'55	19°37'35
asc. node	1703 Aug 17 00:21	5°♁26'12		asc. node	1704 Aug 02 21:25	23°♁39'08	
morning set	1703 Aug 29 03:05	26°♁33'11			1704 Aug 06 13:08	0°♁	
	1703 Aug 30 21:31	0°♁		morning set	1704 Aug 12 04:55	10°♁58'41	
superior conj	1703 Sep 06 20:46	13°♁25'32	1°39'23	superior conj	1704 Aug 20 04:59	27°♁03'47	1°45'42
minimum elong	1703 Sep 06 23:09	13°♁36'45	1°39'14	minimum elong	1704 Aug 20 05:27	27°♁06'07	1°45'43
max. Earth dist.	1703 Sep 14 00:29	26°♁28'41	1.39551 AU		1704 Aug 21 16:54	0°♁	
	1703 Sep 16 00:57	0°♁		max. Earth dist.	1704 Aug 26 04:39	8°♁33'35	1.37527 AU
evening rise	1703 Sep 18 03:06	3°♁34'20		evening rise	1704 Aug 30 00:23	15°♁31'27	
desc. node	1703 Sep 24 12:13	14°♁02'18			1704 Sep 07 12:56	0°♁	
	1703 Oct 05 00:51	0°♁		desc. node	1704 Sep 10 09:13	4°♁31'32	
evening max el	1703 Oct 23 06:18	23°♁03'09	24°04'49		1704 Sep 28 15:39	0°♁	
retrograde	1703 Nov 03 07:05	29°♁31'49		evening max el	1704 Oct 04 18:17	6°♁41'57	25°20'21
evening set	1703 Nov 08 12:42	27°♁21'45		retrograde	1704 Oct 16 18:27	13°♁37'08	
asc. node	1703 Nov 12 23:34	22°♁17'48		evening set	1704 Oct 22 14:37	11°♁11'01	
min. Earth dist.	1703 Nov 13 08:12	21°♁48'47	0.67643 AU	min. Earth dist.	1704 Oct 27 01:56	6°♁13'12	0.67144 AU
inferior conj	1703 Nov 13 23:42	20°♁56'24	0°20'44	inferior conj	1704 Oct 28 04:14	4°♁48'02	0°-34'-47
minimum elong	1703 Nov 13 23:12	20°♁58'05	0°20'31	minimum elong	1704 Oct 28 05:07	4°♁45'09	0°34'25
morning rise	1703 Nov 19 09:56	14°♁49'03		asc. node	1704 Oct 29 20:37	2°♁40'04	

	1704 Nov 01 07:47	30°♁		morning rise	1705 Oct 18 04:11	12°♁48'35	
morning rise	1704 Nov 02 20:16	28°♁48'26		direct	1705 Oct 21 03:15	11°♁58'55	
direct	1704 Nov 06 05:08	27°♁42'55		morning max el	1705 Oct 27 20:45	15°♁41'50	18°40'12
	1704 Nov 11 11:11	0°♁			1705 Nov 07 11:07	0°♁	
morning max el	1704 Nov 13 10:28	1°♁47'37	19°29'11	morning set	1705 Nov 17 14:38	16°♁00'19	
greatest brilliancy	1704 Nov 22 05:08	12°♁56'23	-0.7m	desc. node	1705 Nov 24 05:32	26°♁29'33	
	1704 Dec 03 13:15	0°♁			1705 Nov 26 10:55	0°♁	
desc. node	1704 Dec 07 08:30	5°♁52'16		max. Earth dist.	1705 Dec 03 14:25	11°♁13'54	1.45102 AU
morning set	1704 Dec 07 19:23	6°♁34'22					
max. Earth dist.	1704 Dec 20 20:40	26°♁58'54	1.44525 AU	superior conj	1705 Dec 03 18:22	11°♁29'24	-1°00'-47
	1704 Dec 22 18:19	0°♁		minimum elong	1705 Dec 03 10:54	11°♁00'03	0°59'54
					1705 Dec 15 11:52	0°♁	
superior conj	1704 Dec 24 15:00	2°♁58'15	-1°-39'-46	evening rise	1705 Dec 19 13:43	6°♁29'58	
minimum elong	1704 Dec 24 06:47	2°♁25'23	1°39'05		1706 Jan 03 12:55	0°♁	
evening rise	1705 Jan 07 18:38	26°♁09'16		evening max el	1706 Jan 10 04:42	8°♁31'06	18°54'29
	1705 Jan 10 01:44	0°♁		asc. node	1706 Jan 12 16:59	10°♁43'54	
asc. node	1705 Jan 25 19:56	24°♁05'44		retrograde	1706 Jan 17 00:10	12°♁21'47	
evening max el	1705 Jan 26 18:05	25°♁04'44	18°22'15	evening set	1706 Jan 20 04:48	11°♁23'00	
retrograde	1705 Feb 02 05:56	28°♁36'31		inferior conj	1706 Jan 25 22:01	5°♁37'02	3°27'08
evening set	1705 Feb 05 04:38	27°♁49'19		minimum elong	1706 Jan 25 19:56	5°♁43'30	3°26'49
inferior conj	1705 Feb 11 04:37	22°♁20'40	3°42'32	min. Earth dist.	1706 Jan 27 13:44	3°♁33'35	0.65533 AU
minimum elong	1705 Feb 11 03:43	22°♁23'16	3°42'28		1706 Jan 30 18:44	30°♁	
min. Earth dist.	1705 Feb 13 11:44	19°♁43'32	0.64005 AU	morning rise	1706 Jan 31 10:03	29°♁24'58	
morning rise	1705 Feb 17 01:14	16°♁13'48		direct	1706 Feb 06 23:15	26°♁34'52	
direct	1705 Feb 23 22:21	13°♁26'16			1706 Feb 15 05:09	0°♁	
desc. node	1705 Mar 05 07:44	17°♁28'48		morning max el	1706 Feb 20 00:39	4°♁15'43	26°44'55
morning max el	1705 Mar 09 14:42	21°♁19'15	27°33'06	desc. node	1706 Feb 20 04:46	4°♁26'07	
	1705 Mar 17 04:10	0°♁			1706 Mar 11 14:55	0°♁	
	1705 Apr 05 16:59	0°♁		morning set	1706 Mar 27 21:24	28°♁03'09	
morning set	1705 Apr 13 12:40	14°♁40'33			1706 Mar 28 21:49	0°♁	
max. Earth dist.	1705 Apr 18 13:44	24°♁56'24	1.33282 AU	max. Earth dist.	1706 Apr 01 05:43	6°♁32'04	1.34471 AU
	1705 Apr 20 23:18	0°♁					
				superior conj	1706 Apr 05 12:04	15°♁13'36	0°-52'-5
superior conj	1705 Apr 21 11:26	1°♁04'34	0°-24'-16	minimum elong	1706 Apr 05 14:41	15°♁27'09	0°51'35
minimum elong	1705 Apr 21 12:38	1°♁10'59	0°24'02	asc. node	1706 Apr 10 16:17	26°♁04'33	
asc. node	1705 Apr 23 19:14	6°♁03'37			1706 Apr 12 13:15	0°♁	
evening rise	1705 Apr 28 16:07	16°♁28'20		evening rise	1706 Apr 13 01:42	1°♁04'43	
	1705 May 05 10:26	0°♁			1706 Apr 30 02:22	0°♁	
evening max el	1705 May 20 15:19	21°♁50'41	22°40'53	evening max el	1706 May 02 13:04	2°♁36'06	21°10'41
desc. node	1705 Jun 01 06:57	28°♁18'29		retrograde	1706 May 14 09:57	8°♁23'21	
retrograde	1705 Jun 02 19:59	28°♁23'55		evening set	1706 May 16 16:40	8°♁11'17	
evening set	1705 Jun 06 01:44	28°♁00'50		desc. node	1706 May 19 04:00	7°♁32'55	
min. Earth dist.	1705 Jun 13 23:22	24°♁33'02	0.55345 AU	inferior conj	1706 May 26 01:07	4°♁12'37	-1°-58'-30
inferior conj	1705 Jun 15 06:59	23°♁47'52	-3°-41'-50	minimum elong	1706 May 25 19:37	4°♁20'22	1°56'36
minimum elong	1705 Jun 14 23:12	23°♁59'00	3°39'52	min. Earth dist.	1706 May 26 11:47	3°♁57'35	0.54915 AU
morning rise	1705 Jun 23 23:20	19°♁56'08		morning rise	1706 Jun 03 22:27	0°♁12'17	
direct	1705 Jun 26 21:01	19°♁36'40			1706 Jun 04 22:41	30°♁	
morning max el	1705 Jul 08 02:26	24°♁49'11	20°54'31	direct	1706 Jun 07 06:44	29°♁48'03	
	1705 Jul 12 18:36	0°♁			1706 Jun 09 13:57	0°♁	
asc. node	1705 Jul 20 18:29	12°♁30'14		morning max el	1706 Jun 20 01:22	5°♁53'04	22°28'19
morning set	1705 Jul 27 12:04	25°♁40'16			1706 Jul 06 16:45	0°♁	
	1705 Jul 29 14:13	0°♁		asc. node	1706 Jul 07 15:32	1°♁50'08	
				morning set	1706 Jul 11 22:23	10°♁31'58	
superior conj	1705 Aug 04 00:21	11°♁15'50	1°43'55				
minimum elong	1705 Aug 03 23:19	11°♁10'29	1°43'54	superior conj	1706 Jul 19 03:23	25°♁50'54	1°35'37
max. Earth dist.	1705 Aug 08 13:13	20°♁23'53	1.35704 AU	minimum elong	1706 Jul 19 01:23	25°♁40'18	1°35'26
evening rise	1705 Aug 12 17:29	28°♁25'33			1706 Jul 21 02:44	0°♁	
	1705 Aug 13 13:46	0°♁		max. Earth dist.	1706 Jul 22 06:20	2°♁23'25	1.34236 AU
desc. node	1705 Aug 28 06:15	24°♁44'56		evening rise	1706 Jul 27 01:46	12°♁04'17	
	1705 Aug 31 19:07	0°♁			1706 Aug 05 21:34	0°♁	
evening max el	1705 Sep 17 06:14	20°♁20'22	26°24'02	desc. node	1706 Aug 15 03:18	14°♁34'55	
retrograde	1705 Sep 30 01:00	27°♁32'13			1706 Aug 27 01:14	0°♁	
evening set	1705 Oct 06 11:05	24°♁53'56		evening max el	1706 Aug 30 18:20	3°♁50'21	27°08'13
min. Earth dist.	1705 Oct 10 14:48	20°♁32'47	0.66297 AU	retrograde	1706 Sep 13 02:08	11°♁08'52	
inferior conj	1705 Oct 12 04:36	18°♁37'40	-1°-32'-29	evening set	1706 Sep 19 23:39	8°♁25'40	
minimum elong	1705 Oct 12 07:03	18°♁30'13	1°31'30	min. Earth dist.	1706 Sep 23 20:27	4°♁41'12	0.65096 AU
asc. node	1705 Oct 16 17:41	13°♁47'18		inferior conj	1706 Sep 25 22:36	2°♁20'30	-2°-30'-28

minimum elong	1706 Sep 26 02:34	2°♁09'21	2°29'01	retrograde	1707 Aug 26 21:07	24°♎18'46	
	1706 Sep 28 02:28	30°♎		evening set	1707 Sep 03 01:19	21°♎40'59	
morning rise	1706 Oct 02 07:13	26°♎45'00		min. Earth dist.	1707 Sep 06 16:54	18°♎30'07	0.63550 AU
asc. node	1706 Oct 03 14:45	26°♎16'57		inferior conj	1707 Sep 09 07:40	15°♎51'09	-3°-25'-50
direct	1706 Oct 04 22:56	26°♎07'15		minimum elong	1707 Sep 09 12:44	15°♎38'17	3°24'19
morning max el	1706 Oct 11 11:19	29°♎37'30	18°07'45	morning rise	1707 Sep 16 02:26	10°♎32'29	
	1706 Oct 11 20:07	0°♁		direct	1707 Sep 18 13:30	10°♎03'03	
morning set	1706 Oct 29 15:01	26°♁52'51		asc. node	1707 Sep 20 11:46	10°♎21'26	
	1706 Oct 31 12:17	0°♎		morning max el	1707 Sep 25 03:27	13°♎28'46	17°52'45
desc. node	1706 Nov 11 02:33	17°♎13'21			1707 Oct 06 12:16	0°♁	
				morning set	1707 Oct 11 17:16	9°♁00'28	
superior conj	1706 Nov 12 23:13	20°♎11'20	0°-12'-26	superior conj	1707 Oct 24 00:32	29°♁55'41	0°33'11
minimum elong	1706 Nov 12 21:39	20°♎05'05	0°12'13	minimum elong	1707 Oct 24 03:53	0°♎09'30	0°32'43
behind sun begin	1706 Nov 12 14:27	19°♎36'28			1707 Oct 24 01:35	0°♎	
behind sun end	1706 Nov 13 04:50	20°♎33'41		desc. node	1707 Oct 28 23:37	8°♎00'36	
max. Earth dist.	1706 Nov 16 09:11	25°♎35'39	1.44943 AU	max. Earth dist.	1707 Oct 30 02:31	9°♎48'33	1.44076 AU
	1706 Nov 19 04:28	0°♁		evening rise	1707 Nov 08 19:29	25°♎02'08	
evening rise	1706 Nov 29 10:45	15°♁58'45			1707 Nov 12 01:12	0°♁	
	1706 Dec 08 12:57	0°♁		greatest brilliancy	1707 Dec 01 20:51	28°♁47'52	-0.5m
greatest brilliancy	1706 Dec 16 18:55	12°♁16'46	-0.6m		1707 Dec 02 19:14	0°♁	
evening max el	1706 Dec 24 11:24	22°♁00'08	19°43'12	evening max el	1707 Dec 07 12:52	5°♁30'31	20°46'01
asc. node	1706 Dec 30 14:02	26°♁09'08		retrograde	1707 Dec 15 19:06	10°♁23'29	
retrograde	1706 Dec 31 21:20	26°♁18'33		asc. node	1707 Dec 17 11:03	10°♁07'59	
evening set	1707 Jan 04 09:27	25°♁06'40		evening set	1707 Dec 19 16:33	8°♁56'45	
inferior conj	1707 Jan 09 22:16	19°♁06'04	2°59'55	inferior conj	1707 Dec 25 02:54	2°♁44'27	2°23'40
minimum elong	1707 Jan 09 19:40	19°♁14'40	2°59'18	minimum elong	1707 Dec 25 00:20	2°♁53'15	2°22'51
min. Earth dist.	1707 Jan 10 23:42	17°♁42'08	0.66665 AU	min. Earth dist.	1707 Dec 25 15:31	2°♁01'17	0.67401 AU
morning rise	1707 Jan 15 05:11	12°♁51'24			1707 Dec 27 03:49	30°♁	
direct	1707 Jan 21 06:02	10°♁11'00		morning rise	1707 Dec 30 07:40	26°♁29'15	
morning max el	1707 Feb 02 09:40	17°♁25'05	25°33'19	direct	1708 Jan 04 17:51	24°♁06'56	
desc. node	1707 Feb 07 01:47	22°♁34'07			1708 Jan 15 01:34	0°♁	
	1707 Feb 12 22:38	0°♁		morning max el	1708 Jan 15 17:57	0°♁40'38	24°08'22
morning set	1707 Mar 04 14:21	0°♁		desc. node	1708 Jan 24 22:49	11°♁32'36	
max. Earth dist.	1707 Mar 10 14:50	10°♁36'09			1708 Feb 06 21:24	0°♁	
	1707 Mar 14 09:47	17°♁38'25	1.36110 AU	morning set	1708 Feb 20 11:08	22°♁03'18	
superior conj	1707 Mar 20 04:19	28°♁53'10	-1°-18'-46	max. Earth dist.	1708 Feb 24 05:57	28°♁43'04	1.38116 AU
minimum elong	1707 Mar 20 08:07	29°♁12'08	1°18'12		1708 Feb 24 23:04	0°♁	
	1707 Mar 20 17:40	0°♁		superior conj	1708 Mar 02 08:43	11°♁53'54	-1°-42'-5
evening rise	1707 Mar 28 07:10	15°♁23'14		minimum elong	1708 Mar 02 12:56	12°♁14'03	1°41'39
asc. node	1707 Mar 28 13:21	15°♁54'34		evening rise	1708 Mar 11 06:04	29°♁16'51	
	1707 Apr 04 21:27	0°♁			1708 Mar 11 14:50	0°♁	
evening max el	1707 Apr 14 22:16	13°♁57'56	19°55'43	asc. node	1708 Mar 14 10:23	5°♁28'22	
retrograde	1707 Apr 25 01:33	18°♁51'25		evening max el	1708 Mar 27 18:34	25°♁58'38	18°59'50
evening set	1707 Apr 27 02:22	18°♁40'28			1708 Apr 03 20:42	0°♁	
inferior conj	1707 May 05 23:29	14°♁40'17	0°01'06	retrograde	1708 Apr 05 07:26	0°♁06'57	
minimum elong	1707 May 05 23:32	14°♁40'12	0°01'05		1708 Apr 06 18:45	30°♁	
transit begin	1707 May 05 19:34	14°♁46'15		evening set	1708 Apr 07 11:38	29°♁51'56	
transit end	1707 May 06 03:30	14°♁34'09		inferior conj	1708 Apr 15 14:13	25°♁36'41	1°44'11
desc. node	1707 May 06 01:00	14°♁37'58		minimum elong	1708 Apr 15 17:51	25°♁30'18	1°43'03
min. Earth dist.	1707 May 08 01:33	13°♁24'14	0.55454 AU	min. Earth dist.	1708 Apr 18 17:09	23°♁26'12	0.56842 AU
morning rise	1707 May 14 17:40	10°♁13'35		desc. node	1708 Apr 21 22:01	21°♁29'34	
direct	1707 May 18 21:35	9°♁35'25		morning rise	1708 Apr 23 19:51	20°♁36'06	
morning max el	1707 Jun 01 17:08	16°♁26'51	24°10'09	direct	1708 Apr 29 00:58	19°♁31'47	
	1707 Jun 12 14:33	0°♁		morning max el	1708 May 13 07:45	26°♁55'02	25°46'06
asc. node	1707 Jun 24 12:35	21°♁31'25			1708 May 16 06:53	0°♁	
morning set	1707 Jun 26 10:10	25°♁28'41		morning set	1708 Jun 04 18:37	0°♁	
	1707 Jun 28 13:07	0°♁		asc. node	1708 Jun 09 21:44	10°♁24'14	
superior conj	1707 Jul 03 11:23	10°♁40'46	1°22'01		1708 Jun 10 09:38	11°♁27'06	
minimum elong	1707 Jul 03 08:59	10°♁27'46	1°21'41	superior conj	1708 Jun 16 22:09	25°♁37'19	1°04'03
max. Earth dist.	1707 Jul 05 08:43	14°♁45'04	1.33170 AU	minimum elong	1708 Jun 16 19:51	25°♁24'43	1°03'39
evening rise	1707 Jul 10 21:05	26°♁16'01		max. Earth dist.	1708 Jun 17 17:50	27°♁25'06	1.32502 AU
	1707 Jul 12 17:59	0°♁			1708 Jun 18 22:12	0°♁	
	1707 Jul 30 06:41	0°♁		evening rise	1708 Jun 24 00:04	10°♁49'23	
desc. node	1707 Aug 02 00:20	3°♁51'39			1708 Jul 04 00:02	0°♁	
evening max el	1707 Aug 13 05:20	17°♁00'54	27°25'55				

desc. node	1708 Jul 18 21:21	22°♁20'22		1709 Jun 10 10:58	0°♁		
evening max el	1708 Jul 25 12:32	29°♁37'12	27°11'57	1709 Jun 27 19:57	0°♁		
	1708 Jul 25 22:16	0°♁		1709 Jul 05 18:20	9°♁41'18		
retrograde	1708 Aug 08 09:00	6°♁51'58		1709 Jul 07 13:22	11°♁28'32	26°24'50	
evening set	1708 Aug 15 12:07	4°♁32'17		1709 Jul 21 12:57	18°♁40'45		
min. Earth dist.	1708 Aug 19 02:44	1°♁46'39	0.61696 AU	1709 Jul 28 03:27	16°♁51'56		
	1708 Aug 21 02:38	30°♁		1709 Aug 01 02:26	14°♁16'28	0.59648 AU	
inferior conj	1708 Aug 22 04:39	29°♁01'01	-4°-14'-2	1709 Aug 04 10:03	11°♁41'01	-4°-47'-36	
minimum elong	1708 Aug 22 09:45	28°♁49'32	4°12'58	1709 Aug 04 13:11	11°♁34'51	4°47'18	
morning rise	1708 Aug 29 10:12	24°♁02'47		1709 Aug 12 02:18	7°♁05'51		
direct	1708 Aug 31 19:26	23°♁38'42		1709 Aug 14 12:22	6°♁44'59		
asc. node	1708 Sep 06 08:48	25°♁53'47		1709 Aug 22 04:21	10°♁27'20	18°19'06	
morning max el	1708 Sep 07 18:08	27°♁07'55	17°56'08	1709 Aug 24 05:51	12°♁40'12		
	1708 Sep 10 07:18	0°♁		1709 Sep 04 01:15	0°♁		
morning set	1708 Sep 23 14:58	22°♁03'30		1709 Sep 07 02:40	5°♁46'38		
	1708 Sep 27 23:54	0°♁					
superior conj	1708 Oct 04 04:59	10°♁59'54	1°08'23	1709 Sep 16 09:52	23°♁16'17	1°31'19	
minimum elong	1708 Oct 04 09:36	11°♁19'56	1°07'49	1709 Sep 16 13:20	23°♁32'09	1°31'01	
max. Earth dist.	1708 Oct 11 15:42	23°♁34'34	1.42603 AU	1709 Sep 20 03:33	0°♁		
desc. node	1708 Oct 14 20:39	28°♁47'36		1709 Sep 23 23:10	6°♁38'59	1.40715 AU	
	1708 Oct 15 14:41	0°♁		1709 Sep 28 16:02	14°♁32'12		
evening rise	1708 Oct 18 08:24	4°♁21'02		1709 Oct 01 17:40	19°♁30'50		
	1708 Nov 04 10:40	0°♁		1709 Oct 08 11:04	0°♁		
greatest brilliancy	1708 Nov 14 14:55	13°♁39'39	-0.3m	1709 Oct 30 13:22	0°♁		
evening max el	1708 Nov 19 08:40	19°♁01'44	21°59'31	1709 Nov 01 23:41	2°♁34'30	23°18'56	
retrograde	1708 Nov 28 15:40	24°♁33'26		1709 Nov 12 09:34	8°♁44'31		
evening set	1708 Dec 03 00:21	22°♁50'16		1709 Nov 17 07:09	6°♁44'06		
asc. node	1708 Dec 03 08:03	22°♁34'20		1709 Nov 20 05:05	3°♁39'22		
inferior conj	1708 Dec 08 09:50	16°♁29'41	1°40'16	1709 Nov 22 07:38	0°♁51'53	0.67774 AU	
minimum elong	1708 Dec 08 07:46	16°♁36'51	1°39'30	1709 Nov 22 17:12	0°♁19'04	0°51'08	
min. Earth dist.	1708 Dec 08 10:57	16°♁25'47	0.67760 AU	1709 Nov 22 16:02	0°♁23'05	0°50'38	
morning rise	1708 Dec 13 14:59	10°♁15'51		1709 Nov 22 22:45	30°♁		
direct	1708 Dec 18 09:54	8°♁15'49		1709 Nov 28 00:59	24°♁08'40		
morning max el	1708 Dec 28 04:09	14°♁02'16	22°40'08	1709 Dec 02 05:20	22°♁31'30		
greatest brilliancy	1709 Jan 01 18:24	19°♁09'56	-0.3m	1709 Dec 10 19:40	27°♁32'15	21°16'49	
	1709 Jan 10 00:37	0°♁		1709 Dec 13 02:35	0°♁		
desc. node	1709 Jan 10 19:51	1°♁07'15		1709 Dec 16 01:07	3°♁31'52	-0.4m	
	1709 Jan 29 20:26	0°♁		1709 Dec 28 16:53	21°♁07'20		
morning set	1709 Jan 31 04:20	2°♁10'19		1710 Jan 03 15:05	0°♁		
max. Earth dist.	1709 Feb 05 02:04	10°♁22'50	1.40266 AU	1710 Jan 10 16:56	10°♁56'59		
				1710 Jan 18 03:45	22°♁55'07	1.42273 AU	
				1710 Jan 22 09:59	0°♁		
superior conj	1709 Feb 12 20:51	24°♁04'39	-1°-58'-46	1710 Jan 25 11:20	5°♁12'01	-2°-4'-30	
minimum elong	1709 Feb 12 23:55	24°♁18'36	1°58'38	1710 Jan 25 10:51	5°♁09'57	2°04'30	
evening rise	1709 Feb 16 02:17	0°♁		1710 Feb 05 19:18	25°♁17'57		
asc. node	1709 Mar 01 07:24	24°♁40'16		1710 Feb 08 09:41	0°♁		
	1709 Mar 04 11:11	0°♁		1710 Feb 16 04:26	13°♁22'27		
evening max el	1709 Mar 10 23:23	8°♁32'35	18°24'05	1710 Feb 22 09:33	21°♁30'35	18°08'16	
retrograde	1709 Mar 18 08:32	12°♁11'30		1710 Mar 01 02:32	24°♁55'54		
evening set	1709 Mar 20 18:06	11°♁49'27		1710 Mar 03 17:15	24°♁25'00		
inferior conj	1709 Mar 28 02:15	7°♁13'44	2°54'26	1710 Mar 10 10:07	19°♁28'08	3°32'18	
minimum elong	1709 Mar 28 06:02	7°♁05'56	2°53'37	1710 Mar 10 12:11	19°♁23'13	3°32'04	
min. Earth dist.	1709 Mar 31 12:48	4°♁25'30	0.58781 AU	1710 Mar 13 15:08	16°♁26'14	0.60921 AU	
morning rise	1709 Apr 04 13:59	1°♁43'24		1710 Mar 17 04:04	13°♁37'40		
desc. node	1709 Apr 08 19:02	0°♁13'39		1710 Mar 23 22:22	11°♁22'40		
direct	1709 Apr 10 17:49	0°♁03'38		1710 Mar 26 16:04	11°♁43'25		
morning max el	1709 Apr 25 02:43	7°♁46'09	27°00'37	1710 Apr 07 03:58	19°♁15'44	27°42'14	
	1709 May 11 20:23	0°♁		1710 Apr 16 06:46	0°♁		
morning set	1709 May 25 07:27	25°♁13'06		1710 May 04 15:08	0°♁		
	1709 May 27 13:35	0°♁		1710 May 09 13:29	9°♁48'33		
asc. node	1709 May 28 06:41	1°♁32'02		1710 May 15 03:44	21°♁41'16		
				1710 May 15 17:30	22°♁56'15	1.32307 AU	
superior conj	1709 Jun 01 09:56	10°♁34'38	0°42'31	1710 May 16 21:00	25°♁26'31	0°18'06	
minimum elong	1709 Jun 01 08:11	10°♁25'00	0°42'10	1710 May 16 20:11	25°♁22'01	0°17'56	
max. Earth dist.	1709 Jun 01 06:03	10°♁13'18	1.32215 AU	1710 May 18 22:54	0°♁		
evening rise	1709 Jun 08 08:06	25°♁35'59					

evening rise	1710 May 23 19:00	10°♃28'15		minimum elong	1711 May 01 06:03	10°♃09'20	0°08'20
	1710 Jun 02 19:24	0°♃		behind sun begin	1711 May 01 01:33	9°♃45'05	
evening max el	1710 Jun 19 07:09	22°♃34'19	25°09'12	behind sun end	1711 May 01 10:32	10°♃33'36	
desc. node	1710 Jun 22 15:21	25°♃27'07		asc. node	1711 May 02 00:47	11°♃50'39	
retrograde	1710 Jul 03 07:13	29°♃41'33		evening rise	1711 May 08 06:52	25°♃19'38	
evening set	1710 Jul 08 19:29	28°♃31'31			1711 May 10 12:36	0°♃	
min. Earth dist.	1710 Jul 13 18:52	25°♃47'14	0.57635 AU		1711 May 28 21:21	0°♃	
inferior conj	1710 Jul 16 20:34	23°♃42'15	-4°-55'-7	evening max el	1711 May 31 21:09	3°♃09'33	23°36'15
minimum elong	1710 Jul 16 19:17	23°♃44'27	4°55'06	desc. node	1711 Jun 09 12:23	9°♃02'35	
morning rise	1710 Jul 24 22:52	19°♃29'40		retrograde	1711 Jun 14 13:08	10°♃00'04	
direct	1710 Jul 27 11:58	19°♃10'30		evening set	1711 Jun 18 14:04	9°♃24'15	
morning max el	1710 Aug 05 06:59	23°♃17'56	19°02'51	min. Earth dist.	1711 Jun 25 07:35	6°♃15'47	0.55991 AU
	1710 Aug 10 19:56	0°♃		inferior conj	1711 Jun 27 10:58	4°♃58'46	-4°-22'-32
asc. node	1710 Aug 11 02:56	0°♃25'46		minimum elong	1711 Jun 27 04:36	5°♃08'22	4°21'25
morning set	1710 Aug 22 00:18	19°♃59'17		morning rise	1711 Jul 05 22:29	1°♃02'39	
	1710 Aug 27 01:42	0°♃		direct	1711 Jul 08 16:27	0°♃43'46	
				morning max el	1711 Jul 18 23:12	5°♃29'34	20°07'53
superior conj	1710 Aug 30 09:41	6°♃29'23	1°43'10	asc. node	1711 Jul 29 00:01	18°♃56'26	
minimum elong	1710 Aug 30 11:14	6°♃36'50	1°43'07		1711 Aug 03 22:28	0°♃	
max. Earth dist.	1710 Sep 06 02:48	19°♃00'26	1.38668 AU	morning set	1711 Aug 06 04:42	4°♃32'26	
evening rise	1710 Sep 10 00:00	25°♃51'56					
	1710 Sep 12 10:06	0°♃		superior conj	1711 Aug 13 23:08	20°♃23'25	1°45'50
desc. node	1710 Sep 18 14:41	10°♃06'44		minimum elong	1711 Aug 13 22:54	20°♃22'15	1°45'50
	1710 Oct 02 02:06	0°♃			1711 Aug 18 20:26	0°♃	
evening max el	1710 Oct 15 12:09	16°♃11'25	24°38'00	max. Earth dist.	1711 Aug 19 07:57	0°♃55'07	1.36714 AU
retrograde	1710 Oct 26 23:42	22°♃53'25		evening rise	1711 Aug 23 06:21	8°♃15'14	
evening set	1710 Nov 01 11:23	20°♃36'14			1711 Sep 05 03:59	0°♃	
min. Earth dist.	1710 Nov 06 03:16	15°♃17'49	0.67463 AU	desc. node	1711 Sep 05 11:43	0°♃30'01	
inferior conj	1710 Nov 06 23:18	14°♃11'04	0°-2'-25	evening max el	1711 Sep 28 00:08	29°♃51'09	25°49'28
minimum elong	1710 Nov 06 23:22	14°♃10'52	0°02'25		1711 Sep 28 03:47	0°♃	
transit begin	1710 Nov 06 20:38	14°♃19'56		retrograde	1711 Oct 10 09:06	6°♃54'43	
transit end	1710 Nov 07 02:05	14°♃01'49		evening set	1711 Oct 16 11:12	4°♃23'06	
asc. node	1710 Nov 07 02:07	14°♃01'40			1711 Oct 20 13:04	30°♃	
morning rise	1710 Nov 12 11:46	8°♃06'33		min. Earth dist.	1711 Oct 20 19:19	29°♃40'28	0.66822 AU
direct	1710 Nov 16 03:08	6°♃50'21		inferior conj	1711 Oct 22 02:19	28°♃02'23	0°-59'-5
morning max el	1710 Nov 23 18:40	11°♃12'57	20°04'25	minimum elong	1711 Oct 22 03:51	27°♃57'31	0°58'27
greatest brilliancy	1710 Nov 30 19:44	19°♃45'42	-0.6m	asc. node	1711 Oct 24 23:12	24°♃36'39	
	1710 Dec 07 23:37	0°♃		morning rise	1711 Oct 27 21:20	22°♃06'35	
desc. node	1710 Dec 15 13:56	11°♃26'01		direct	1711 Oct 31 01:45	21°♃08'11	
morning set	1710 Dec 20 13:18	19°♃04'13		morning max el	1711 Nov 07 01:11	25°♃02'32	19°06'20
	1710 Dec 27 13:27	0°♃			1711 Nov 11 06:38	0°♃	
max. Earth dist.	1710 Dec 31 12:49	6°♃18'16	1.43871 AU	morning set	1711 Nov 29 18:21	27°♃45'12	
					1711 Dec 01 04:53	0°♃	
superior conj	1711 Jan 05 23:55	15°♃07'57	-1°-54'-17	desc. node	1711 Dec 02 10:58	1°♃57'31	
minimum elong	1711 Jan 05 18:04	14°♃44'04	1°53'58	max. Earth dist.	1711 Dec 14 04:17	20°♃19'37	1.44860 AU
	1711 Jan 14 21:44	0°♃					
evening rise	1711 Jan 19 01:35	7°♃07'47		superior conj	1711 Dec 16 11:59	23°♃59'28	-1°-25'-7
	1711 Feb 01 23:55	0°♃		minimum elong	1711 Dec 16 03:12	23°♃24'45	1°24'14
asc. node	1711 Feb 03 01:28	1°♃25'54			1711 Dec 20 06:47	0°♃	
evening max el	1711 Feb 05 22:04	4°♃44'53	18°11'49	evening rise	1711 Dec 31 10:04	18°♃00'53	
retrograde	1711 Feb 12 09:10	8°♃10'33			1712 Jan 07 17:33	0°♃	
evening set	1711 Feb 15 04:51	7°♃29'37		evening max el	1712 Jan 20 10:06	18°♃08'27	18°33'56
inferior conj	1711 Feb 21 10:04	2°♃12'19	3°44'27	asc. node	1712 Jan 20 22:30	18°♃39'05	
minimum elong	1711 Feb 21 10:08	2°♃12'10	3°44'26	retrograde	1712 Jan 27 00:08	21°♃46'41	
	1711 Feb 23 11:09	30°♃		evening set	1712 Jan 30 01:18	20°♃54'36	
min. Earth dist.	1711 Feb 24 02:08	29°♃20'43	0.62964 AU	inferior conj	1712 Feb 04 22:05	15°♃18'30	3°37'38
morning rise	1711 Feb 27 13:21	26°♃10'03		minimum elong	1712 Feb 04 20:36	15°♃22'55	3°37'29
direct	1711 Mar 06 12:12	23°♃29'56		min. Earth dist.	1712 Feb 06 22:38	12°♃54'37	0.64705 AU
desc. node	1711 Mar 13 13:07	25°♃47'39		morning rise	1712 Feb 10 14:38	9°♃09'21	
	1711 Mar 18 22:54	0°♃		direct	1712 Feb 17 09:14	6°♃18'55	
morning max el	1711 Mar 20 10:24	1°♃25'27	27°46'37	desc. node	1712 Feb 28 10:10	11°♃51'34	
	1711 Apr 10 11:03	0°♃		morning max el	1712 Mar 01 19:40	14°♃07'43	27°16'02
morning set	1711 Apr 23 13:38	24°♃03'15			1712 Mar 14 17:10	0°♃	
	1711 Apr 26 11:21	0°♃			1712 Apr 02 02:18	0°♃	
max. Earth dist.	1711 Apr 29 00:16	5°♃20'46	1.32803 AU	morning set	1712 Apr 06 05:03	7°♃48'22	
				max. Earth dist.	1712 Apr 10 22:41	17°♃16'51	1.33732 AU
superior conj	1711 May 01 05:39	10°♃07'08	0°-8'-24				

superior conj	1712 Apr 14 09:54	24°♃30'20	0°-36'-4	superior conj	1713 Mar 29 07:18	8°♃27'36	-1°-3'-38
minimum elong	1712 Apr 14 11:42	24°♃39'51	0°35'42	minimum elong	1713 Mar 29 10:28	8°♃43'48	1°03'05
	1712 Apr 17 00:01	0°♃		asc. node	1713 Apr 04 18:52	21°♃53'02	
asc. node	1712 Apr 17 21:50	1°♃56'16		evening rise	1713 Apr 06 01:58	24°♃33'45	
evening rise	1712 Apr 21 17:53	10°♃04'03			1713 Apr 08 18:15	0°♃	
	1712 May 02 04:41	0°♃		evening max el	1713 Apr 24 16:27	24°♃42'28	20°36'34
evening max el	1712 May 12 14:10	13°♃43'27	22°01'07		1713 May 04 04:04	0°♃	
retrograde	1712 May 25 06:47	19°♃58'22		retrograde	1713 May 05 19:52	0°♃06'59	
desc. node	1712 May 26 09:25	19°♃55'35			1713 May 07 12:21	30°♃	
evening set	1712 May 28 00:49	19°♃41'33		evening set	1713 May 07 22:31	29°♃56'07	
min. Earth dist.	1712 Jun 05 19:20	15°♃56'34	0.55053 AU	desc. node	1713 May 13 06:26	28°♃05'31	
inferior conj	1712 Jun 06 09:28	15°♃36'45	-3°-2'-12	inferior conj	1713 May 17 03:32	25°♃58'27	-1°-7'-38
minimum elong	1712 Jun 06 01:56	15°♃47'19	2°59'57	minimum elong	1713 May 17 00:20	26°♃03'04	1°06'30
morning rise	1712 Jun 15 04:37	11°♃43'49		min. Earth dist.	1713 May 18 07:53	25°♃17'38	0.55033 AU
direct	1712 Jun 18 06:14	11°♃22'53		morning rise	1713 May 26 00:49	21°♃49'08	
morning max el	1712 Jun 30 03:59	16°♃57'22	21°32'38	direct	1713 May 29 16:21	21°♃20'30	
	1712 Jul 10 07:27	0°♃		morning max el	1713 Jun 11 23:12	27°♃45'48	23°11'21
asc. node	1712 Jul 14 21:05	8°♃01'22			1713 Jun 14 04:30	0°♃	
morning set	1712 Jul 20 13:28	19°♃19'33		asc. node	1713 Jul 01 18:08	27°♃31'07	
	1712 Jul 25 15:28	0°♃			1713 Jul 02 23:35	0°♃	
				morning set	1713 Jul 05 00:37	4°♃14'07	
superior conj	1712 Jul 27 22:10	4°♃46'35	1°41'07	superior conj	1713 Jul 12 03:35	19°♃28'42	1°30'26
minimum elong	1712 Jul 27 20:39	4°♃38'40	1°41'01	minimum elong	1713 Jul 12 01:21	19°♃16'44	1°30'11
max. Earth dist.	1712 Jul 31 20:14	12°♃48'51	1.35040 AU	max. Earth dist.	1713 Jul 14 17:37	24°♃57'59	1.33738 AU
evening rise	1712 Aug 05 06:31	21°♃30'17			1713 Jul 17 03:45	0°♃	
	1712 Aug 09 20:36	0°♃		evening rise	1713 Jul 19 19:56	5°♃23'59	
desc. node	1712 Aug 22 08:44	20°♃34'30			1713 Aug 02 12:33	0°♃	
	1712 Aug 28 23:55	0°♃		desc. node	1713 Aug 09 05:46	10°♃11'41	
evening max el	1712 Sep 09 12:26	13°♃27'50	26°45'37	evening max el	1713 Aug 23 00:13	26°♃50'35	27°19'12
retrograde	1712 Sep 22 13:10	20°♃42'35			1713 Aug 26 15:50	0°♃	
evening set	1712 Sep 29 04:34	18°♃01'22		retrograde	1713 Sep 05 11:34	4°♃09'07	
min. Earth dist.	1712 Oct 03 05:21	13°♃55'53	0.65837 AU	evening set	1713 Sep 12 12:54	1°♃26'33	
inferior conj	1712 Oct 05 00:14	11°♃49'33	-1°-57'-12		1713 Sep 14 05:42	30°♃	
minimum elong	1712 Oct 05 03:21	11°♃40'22	1°55'58	min. Earth dist.	1713 Sep 16 07:08	27°♃57'19	0.64486 AU
morning rise	1712 Oct 11 03:29	6°♃05'43		inferior conj	1713 Sep 18 14:45	25°♃27'42	-2°-54'-30
asc. node	1712 Oct 10 20:16	6°♃15'34		minimum elong	1713 Sep 18 19:16	25°♃15'31	2°52'58
direct	1712 Oct 13 23:14	5°♃21'24		morning rise	1713 Sep 25 03:36	19°♃59'10	
morning max el	1712 Oct 20 13:32	8°♃57'33	18°24'17	direct	1713 Sep 27 17:04	19°♃25'20	
	1712 Nov 04 05:57	0°♃		asc. node	1713 Sep 27 17:18	19°♃25'20	
morning set	1712 Nov 09 01:53	7°♃48'02		morning max el	1713 Oct 04 05:11	22°♃52'19	17°59'14
desc. node	1712 Nov 18 08:00	22°♃37'45			1713 Oct 09 19:55	0°♃	
	1712 Nov 22 23:50	0°♃		morning set	1713 Oct 21 13:59	19°♃14'48	
					1713 Oct 27 23:54	0°♃	
superior conj	1712 Nov 24 13:02	2°♃26'27	0°-40'-40	superior conj	1713 Nov 04 00:55	11°♃30'34	0°07'54
minimum elong	1712 Nov 24 07:47	2°♃05'46	0°39'58	minimum elong	1713 Nov 04 01:51	11°♃34'18	0°07'46
max. Earth dist.	1712 Nov 25 23:21	4°♃41'19	1.45129 AU	behind sun begin	1713 Nov 03 16:40	10°♃57'15	
evening rise	1712 Dec 10 19:08	27°♃57'22		behind sun end	1713 Nov 04 11:03	12°♃11'17	
	1712 Dec 12 02:18	0°♃		desc. node	1713 Nov 05 05:02	13°♃23'32	
greatest brilliancy	1712 Dec 23 23:40	18°♃31'24	-0.7m	max. Earth dist.	1713 Nov 08 18:10	19°♃02'41	1.44654 AU
	1713 Jan 01 08:12	0°♃			1713 Nov 15 17:49	0°♃	
evening max el	1713 Jan 02 19:15	1°♃35'55	19°13'22	evening rise	1713 Nov 20 09:17	7°♃11'19	
asc. node	1713 Jan 06 19:32	4°♃47'51			1713 Dec 05 11:05	0°♃	
retrograde	1713 Jan 09 19:55	5°♃37'10		greatest brilliancy	1713 Dec 10 07:09	6°♃52'26	-0.6m
evening set	1713 Jan 13 03:38	4°♃32'48		evening max el	1713 Dec 16 23:44	15°♃05'10	20°08'21
	1713 Jan 17 17:27	30°♃		retrograde	1713 Dec 24 17:42	19°♃37'57	
inferior conj	1713 Jan 18 18:41	28°♃40'07	3°16'50	asc. node	1713 Dec 24 16:33	19°♃37'56	
minimum elong	1713 Jan 18 16:19	28°♃47'43	3°16'23	evening set	1713 Dec 28 09:33	18°♃19'51	
min. Earth dist.	1713 Jan 20 04:03	26°♃53'25	0.66061 AU	inferior conj	1714 Jan 02 21:04	12°♃13'36	2°45'32
morning rise	1713 Jan 24 04:10	22°♃26'53		minimum elong	1714 Jan 02 18:25	12°♃22'31	2°44'49
direct	1713 Jan 30 12:30	19°♃39'56		min. Earth dist.	1714 Jan 03 16:48	11°♃07'16	0.67018 AU
morning max el	1713 Feb 12 05:20	27°♃10'30	26°16'53	morning rise	1714 Jan 08 02:44	5°♃58'22	
desc. node	1713 Feb 14 07:12	29°♃21'31		direct	1714 Jan 13 21:21	3°♃25'09	
	1713 Feb 14 21:08	0°♃		morning max el	1714 Jan 25 14:06	10°♃23'46	24°58'19
	1713 Mar 08 08:51	0°♃		desc. node	1714 Feb 01 04:13	17°♃53'04	
morning set	1713 Mar 20 07:52	20°♃51'13			1714 Feb 10 04:15	0°♃	
max. Earth dist.	1713 Mar 24 09:48	28°♃39'31	1.35117 AU				
	1713 Mar 25 02:12	0°♃					

	1714 Mar 01 00:43	0°☿			1715 Feb 03 14:23	0°♁		
morning set	1714 Mar 02 17:04	2°☿58'05			1715 Feb 12 02:26	13°♁52'12		
max. Earth dist.	1714 Mar 06 09:57	9°☿41'32	1.36927 AU		1715 Feb 16 04:34	20°♁54'31	1.39025 AU	
					1715 Feb 21 06:18	0°☿		
superior conj	1714 Mar 12 18:55	21°☿51'14	-1°-29'-14					
minimum elong	1714 Mar 12 23:02	22°☿11'24	1°28'42	superior conj	1715 Feb 23 16:56	4°☿31'23	-1°-50'-13	
	1714 Mar 16 21:13	0°♃		minimum elong	1715 Feb 23 20:55	4°☿50'00	1°49'54	
evening rise	1714 Mar 21 04:57	8°♃42'17		evening rise	1715 Mar 05 00:08	22°☿22'21		
asc. node	1714 Mar 22 15:53	11°♃36'31			1715 Mar 08 23:46	0°♃		
	1714 Apr 02 01:05	0°♄		asc. node	1715 Mar 09 12:54	1°♃01'21		
evening max el	1714 Apr 07 06:26	6°♄20'16	19°29'29	evening max el	1715 Mar 21 06:44	18°♃35'47	18°42'14	
retrograde	1714 Apr 16 16:44	10°♄53'24		retrograde	1715 Mar 29 06:26	22°♃29'26		
evening set	1714 Apr 18 18:09	10°♄41'19		evening set	1715 Mar 31 12:49	22°♃11'48		
inferior conj	1714 Apr 27 07:44	6°♄35'40	0°48'15	inferior conj	1715 Apr 08 07:21	17°♃48'35	2°18'14	
minimum elong	1714 Apr 27 09:44	6°♄32'26	0°47'34	minimum elong	1715 Apr 08 11:24	17°♃40'58	2°17'07	
min. Earth dist.	1714 Apr 29 22:23	4°♄55'06	0.55952 AU	min. Earth dist.	1715 Apr 11 15:42	15°♃19'02	0.57615 AU	
desc. node	1714 Apr 30 03:26	4°♄47'15		morning rise	1715 Apr 16 05:37	12°♃34'04		
morning rise	1714 May 05 21:33	1°♄54'21		desc. node	1715 Apr 17 00:26	12°♃13'56		
direct	1714 May 10 11:36	1°♄06'47		direct	1715 Apr 21 21:13	11°♃15'01		
morning max el	1714 May 24 13:53	8°♄13'59	24°52'38	morning max el	1715 May 06 05:50	18°♃48'43	26°21'15	
	1714 Jun 09 14:50	0°♅			1715 May 15 15:36	0°♄		
asc. node	1714 Jun 18 15:09	17°♅18'54			1715 Jun 02 00:25	0°♅		
morning set	1714 Jun 19 12:29	19°♅10'47		morning set	1715 Jun 03 23:29	4°♅04'13		
	1714 Jun 24 12:57	0°♆		asc. node	1715 Jun 05 12:12	7°♅19'04		
superior conj	1714 Jun 26 13:00	4°♆22'06	1°14'53	superior conj	1715 Jun 11 00:27	19°♅20'05	0°55'19	
minimum elong	1714 Jun 26 10:35	4°♆08'57	1°14'30	minimum elong	1715 Jun 10 22:20	19°♅08'27	0°54'56	
max. Earth dist.	1714 Jun 27 23:05	7°♆27'16	1.32837 AU	max. Earth dist.	1715 Jun 11 09:49	20°♅11'34	1.32327 AU	
evening rise	1714 Jul 03 18:50	19°♆45'34			1715 Jun 15 22:00	0°♆		
	1714 Jul 08 23:35	0°♇		evening rise	1715 Jun 18 00:16	4°♆25'50		
desc. node	1714 Jul 27 02:47	29°♇09'52			1715 Jul 01 17:02	0°♇		
	1714 Jul 27 18:08	0°♈		desc. node	1715 Jul 13 23:46	17°♇13'05		
evening max el	1714 Aug 05 09:40	9°♈47'03	27°23'55	evening max el	1715 Jul 18 14:31	22°♇05'58	26°55'57	
retrograde	1714 Aug 19 03:53	17°♈04'31		retrograde	1715 Aug 01 12:56	29°♇20'05		
evening set	1714 Aug 26 08:48	14°♈32'26		evening set	1715 Aug 08 12:01	27°♇12'15		
min. Earth dist.	1714 Aug 29 23:02	11°♈33'57	0.62792 AU	min. Earth dist.	1715 Aug 12 04:42	24°♇32'51	0.60833 AU	
inferior conj	1714 Sep 01 19:03	8°♈50'02	-3°-47'-33	inferior conj	1715 Aug 15 09:56	21°♇49'08	-4°-30'-40	
minimum elong	1714 Sep 02 00:19	8°♈37'19	3°46'10	minimum elong	1715 Aug 15 14:30	21°♇39'25	4°29'56	
morning rise	1714 Sep 08 18:26	3°♈40'01		morning rise	1715 Aug 22 20:06	17°♇00'23		
direct	1714 Sep 11 04:17	3°♈13'18		direct	1715 Aug 25 05:12	16°♇38'01		
asc. node	1714 Sep 14 14:21	4°♈08'22		morning max el	1715 Sep 01 10:22	20°♇11'57	18°03'22	
morning max el	1714 Sep 17 21:08	6°♈39'32	17°51'53	asc. node	1715 Sep 01 11:24	20°♇14'28		
	1714 Oct 03 00:58	0°♉			1715 Sep 08 17:46	0°♈		
morning set	1714 Oct 04 01:14	1°♉47'39		morning set	1715 Sep 17 05:34	15°♈09'48		
					1715 Sep 25 07:13	0°♉		
superior conj	1714 Oct 15 13:44	21°♉48'52	0°49'36					
minimum elong	1714 Oct 15 18:02	22°♉07'00	0°49'01	superior conj	1715 Sep 27 05:15	3°♉25'46	1°19'33	
	1714 Oct 20 12:11	0°♊		minimum elong	1715 Sep 27 09:35	3°♉44'55	1°19'06	
max. Earth dist.	1714 Oct 22 09:33	3°♊04'15	1.43507 AU	max. Earth dist.	1715 Oct 04 20:00	16°♉32'36	1.41841 AU	
desc. node	1714 Oct 23 02:04	4°♊10'55		desc. node	1715 Oct 09 23:07	24°♉56'55		
evening rise	1714 Oct 30 17:33	16°♊15'14		evening rise	1715 Oct 10 13:15	25°♉53'35		
	1714 Nov 08 18:21	0°♋			1715 Oct 13 03:24	0°♊		
greatest brilliancy	1714 Nov 24 19:13	22°♋37'41	-0.4m		1715 Nov 02 14:52	0°♋		
evening max el	1714 Nov 29 22:39	28°♋35'09	21°16'14	greatest brilliancy	1715 Nov 07 20:50	6°♋43'23	-0.3m	
	1714 Dec 01 09:35	0°♌		evening max el	1715 Nov 12 16:20	12°♋07'05	22°32'57	
retrograde	1714 Dec 08 15:15	3°♌44'56		retrograde	1715 Nov 22 10:48	17°♋55'22		
asc. node	1714 Dec 11 13:34	2°♌57'10		evening set	1715 Nov 27 00:42	16°♋05'10		
evening set	1714 Dec 12 17:08	2°♌11'31		asc. node	1715 Nov 28 10:37	14°♋45'53		
	1714 Dec 14 23:29	30°♌		inferior conj	1715 Dec 02 10:17	9°♋42'20	1°20'04	
inferior conj	1714 Dec 18 02:55	25°♋55'06	2°06'03	minimum elong	1715 Dec 02 08:33	9°♋48'20	1°19'22	
minimum elong	1714 Dec 18 00:31	26°♋03'26	2°05'13	min. Earth dist.	1715 Dec 02 06:53	9°♋54'05	0.67812 AU	
min. Earth dist.	1714 Dec 18 10:33	25°♋28'47	0.67593 AU	morning rise	1715 Dec 07 16:17	3°♋29'31		
morning rise	1714 Dec 23 07:32	19°♋39'58		direct	1715 Dec 12 04:56	1°♋39'02		
direct	1714 Dec 28 11:09	17°♋26'47		morning max el	1715 Dec 21 10:42	7°♋05'23	22°03'30	
morning max el	1715 Jan 07 22:48	23°♋41'30	23°30'37	greatest brilliancy	1715 Dec 26 02:56	12°♋20'57	-0.4m	
	1715 Jan 13 12:59	0°♍		desc. node	1716 Jan 05 22:19	26°♋54'33		
desc. node	1715 Jan 19 01:16	7°♍08'09			1716 Jan 08 01:32	0°♌		

morning set	1716 Jan 23 06:58	23°☿22'23		morning max el	1716 Dec 03 05:14	20°♁39'36	20°44'23
	1716 Jan 27 08:25	0°♁		greatest brilliancy	1716 Dec 09 01:57	27°♁31'27	-0.5m
max. Earth dist.	1716 Jan 29 02:10	2°♁53'45	1.41158 AU		1716 Dec 10 22:52	0°♁	
				desc. node	1716 Dec 22 19:23	17°♁03'24	
superior conj	1716 Feb 05 20:31	16°♁16'35	-2°-2'-51		1716 Dec 31 07:15	0°☿	
minimum elong	1716 Feb 05 22:24	16°♁24'56	2°02'49	morning set	1717 Jan 01 10:10	1°☿44'31	
	1716 Feb 13 09:55	0°♁		max. Earth dist.	1717 Jan 10 07:35	15°☿51'08	1.43022 AU
evening rise	1716 Feb 16 08:13	5°♁26'25					
asc. node	1716 Feb 24 09:56	20°♁01'13		superior conj	1717 Jan 17 00:24	26°☿54'28	-2°-2'-23
	1716 Mar 02 07:32	0°♁		minimum elong	1717 Jan 16 21:43	26°☿43'10	2°02'19
evening max el	1716 Mar 03 14:18	1°♁21'06	18°15'00		1717 Jan 18 20:20	0°♁	
retrograde	1716 Mar 10 14:59	4°♁51'57		evening rise	1717 Jan 29 01:12	17°♁46'10	
evening set	1716 Mar 13 02:58	4°♁26'10			1717 Feb 05 00:20	0°♁	
	1716 Mar 19 19:41	30°♁		asc. node	1717 Feb 10 06:59	8°♁28'18	
inferior conj	1716 Mar 20 04:08	29°♁41'32	3°14'08	evening max el	1717 Feb 15 01:53	14°♁27'13	18°07'26
minimum elong	1716 Mar 20 07:18	29°♁34'35	3°13'35	retrograde	1717 Feb 21 15:04	17°♁51'02	
min. Earth dist.	1716 Mar 23 13:42	26°♁44'24	0.59689 AU	evening set	1717 Feb 24 07:59	17°♁15'50	
morning rise	1716 Mar 27 08:05	24°♁01'49		inferior conj	1717 Mar 02 19:24	12°♁09'47	3°40'10
direct	1716 Apr 02 19:33	22°♁06'10		minimum elong	1717 Mar 02 20:35	12°♁06'49	3°40'05
desc. node	1716 Apr 02 21:29	22°♁06'11		min. Earth dist.	1717 Mar 05 19:21	9°♁10'01	0.61817 AU
	1716 Apr 17 05:42	0°♁		morning rise	1717 Mar 09 06:40	6°♁13'40	
morning max el	1716 Apr 17 03:07	29°♁53'39	27°22'50	direct	1717 Mar 16 04:02	3°♁46'41	
	1716 May 08 14:15	0°♁		desc. node	1717 Mar 20 18:31	4°♁45'33	
morning set	1716 May 18 07:51	18°♁47'39		morning max el	1717 Mar 30 06:51	11°♁40'53	27°48'46
asc. node	1716 May 22 09:14	27°♁25'56			1717 Apr 13 17:36	0°♁	
	1716 May 23 13:32	0°♁			1717 Apr 30 21:02	0°♁	
max. Earth dist.	1716 May 24 22:09	2°♁58'45	1.32204 AU	morning set	1717 May 02 11:41	3°♁15'04	
				max. Earth dist.	1717 May 08 08:19	15°♁36'21	1.32472 AU
superior conj	1716 May 25 12:07	4°♁15'32	0°32'29	asc. node	1717 May 09 06:18	17°♁35'32	
minimum elong	1716 May 25 10:43	4°♁07'51	0°32'12				
evening rise	1716 Jun 01 09:46	19°♁15'38		superior conj	1717 May 09 22:22	19°♁03'01	0°07'05
	1716 Jun 06 16:33	0°♁		minimum elong	1717 May 09 22:02	19°♁01'13	0°07'01
	1716 Jun 26 00:56	0°♁		behind sun begin	1717 May 09 17:25	18°♁36'01	
evening max el	1716 Jun 29 12:31	3°♁38'01	25°55'48	behind sun end	1717 May 10 02:40	19°♁26'27	
desc. node	1716 Jun 29 20:47	3°♁57'32			1717 May 14 22:57	0°♁	
retrograde	1716 Jul 13 12:48	10°♁48'01		evening rise	1717 May 16 21:20	4°♁08'19	
evening set	1716 Jul 19 17:42	9°♁15'40			1717 May 30 18:21	0°♁	
min. Earth dist.	1716 Jul 24 01:01	6°♁38'34	0.58771 AU	evening max el	1717 Jun 11 04:01	14°♁27'15	24°30'50
inferior conj	1716 Jul 27 07:42	4°♁13'57	-4°-54'-50	desc. node	1717 Jun 16 17:48	18°♁52'10	
minimum elong	1716 Jul 27 09:14	4°♁11'07	4°54'47	retrograde	1717 Jun 25 01:38	21°♁28'55	
	1716 Aug 03 12:36	30°♁		evening set	1717 Jun 29 23:41	20°♁34'36	
morning rise	1716 Aug 04 04:16	29°♁48'19		min. Earth dist.	1717 Jul 05 15:02	17°♁41'53	0.56875 AU
direct	1716 Aug 06 15:29	29°♁28'13		inferior conj	1717 Jul 08 09:30	15°♁55'36	-4°-46'-57
	1716 Aug 09 15:49	0°♁		minimum elong	1717 Jul 08 05:54	16°♁01'24	4°46'37
morning max el	1716 Aug 14 17:40	3°♁19'49	18°35'02	morning rise	1717 Jul 16 15:50	11°♁51'20	
asc. node	1716 Aug 18 08:28	7°♁27'35		direct	1717 Jul 19 07:03	11°♁32'20	
morning set	1716 Aug 30 21:59	29°♁06'57		morning max el	1717 Jul 28 16:02	15°♁53'58	19°27'59
	1716 Aug 31 08:57	0°♁		asc. node	1717 Aug 05 05:32	25°♁33'11	
					1717 Aug 07 21:09	0°♁	
superior conj	1716 Sep 08 18:54	16°♁07'59	1°37'35	morning set	1717 Aug 14 22:49	13°♁28'54	
minimum elong	1716 Sep 08 21:35	16°♁20'30	1°37'24				
max. Earth dist.	1716 Sep 16 01:47	29°♁19'23	1.39859 AU	superior conj	1717 Aug 23 01:04	29°♁39'49	1°45'19
	1716 Sep 16 11:06	0°♁		minimum elong	1717 Aug 23 01:49	29°♁43'29	1°45'18
evening rise	1716 Sep 20 07:12	6°♁33'43			1717 Aug 23 05:12	0°♁	
desc. node	1716 Sep 25 20:09	15°♁37'31		max. Earth dist.	1717 Aug 29 05:39	11°♁27'44	1.37814 AU
	1716 Oct 05 05:42	0°♁		evening rise	1717 Sep 02 01:05	18°♁20'52	
evening max el	1716 Oct 25 06:11	25°♁42'10	23°53'01		1717 Sep 08 21:18	0°♁	
	1716 Oct 30 08:11	0°♁		desc. node	1717 Sep 12 17:10	6°♁08'28	
retrograde	1716 Nov 05 03:05	2°♁06'00			1717 Sep 29 12:13	0°♁	
	1716 Nov 10 05:51	30°♁		evening max el	1717 Oct 07 18:11	9°♁20'11	25°09'43
evening set	1716 Nov 10 06:38	29°♁58'22		retrograde	1717 Oct 19 15:13	16°♁12'26	
asc. node	1716 Nov 14 07:40	25°♁26'38		evening set	1717 Oct 25 09:13	13°♁48'24	
min. Earth dist.	1716 Nov 15 03:23	24°♁20'27	0.67690 AU	min. Earth dist.	1717 Oct 29 21:40	8°♁45'19	0.67236 AU
inferior conj	1716 Nov 15 17:21	23°♁33'01	0°28'53	inferior conj	1717 Oct 30 22:21	7°♁24'41	0°-26'-11
minimum elong	1716 Nov 15 16:40	23°♁35'21	0°28'35	minimum elong	1717 Oct 30 23:01	7°♁22'31	0°25'55
morning rise	1716 Nov 21 02:54	17°♁24'55		asc. node	1717 Nov 01 04:44	5°♁46'49	
direct	1716 Nov 25 01:37	15°♁56'51		morning rise	1717 Nov 05 13:25	1°♁23'48	

direct	1717 Nov 08 23:52	0°♍15'42		inferior conj	1718 Oct 14 23:28	21°♊15'00	-1°-23'-41
morning max el	1717 Nov 16 07:40	4°♍24'43	19°37'50	minimum elong	1718 Oct 15 01:40	21°♊08'12	1°22'46
greatest brilliancy	1717 Nov 24 13:09	14°♍43'15	-0.6m	asc. node	1718 Oct 19 01:47	16°♊44'13	
	1717 Dec 04 19:45	0°♌		morning rise	1718 Oct 20 21:48	15°♊24'04	
desc. node	1717 Dec 09 16:25	7°♌27'56		direct	1718 Oct 23 22:09	14°♊32'19	
morning set	1717 Dec 11 07:10	9°♌57'33		morning max el	1718 Oct 30 17:02	18°♊18'01	18°46'28
max. Earth dist.	1717 Dec 23 20:06	29°♌34'08	1.44376 AU		1718 Nov 08 15:22	0°♋	
	1717 Dec 24 02:37	0°♋		morning set	1718 Nov 20 22:23	19°♋10'57	
				desc. node	1718 Nov 26 13:28	28°♋03'54	
superior conj	1717 Dec 28 01:42	6°♋19'46	-1°-44'-12		1718 Nov 27 18:58	0°♌	
minimum elong	1717 Dec 27 17:58	5°♋48'38	1°43'37	max. Earth dist.	1718 Dec 06 13:08	13°♌45'21	1.45064 AU
evening rise	1718 Jan 10 22:40	29°♋12'34					
	1718 Jan 11 09:55	0°♍		superior conj	1718 Dec 07 06:48	14°♌54'47	-1°-7'-36
asc. node	1718 Jan 28 04:02	26°♍11'42		minimum elong	1718 Dec 06 22:46	14°♌23'12	1°06'40
evening max el	1718 Jan 29 14:26	27°♍45'29	18°18'57		1718 Dec 16 19:55	0°♎	
	1718 Feb 01 06:50	0°♎		evening rise	1718 Dec 22 21:14	9°♎41'28	
retrograde	1718 Feb 05 01:52	1°♎15'27			1719 Jan 04 15:25	0°♏	
evening set	1718 Feb 07 23:44	0°♎29'57		evening max el	1719 Jan 13 01:27	11°♏10'59	18°48'36
	1718 Feb 08 20:17	30°♏		asc. node	1719 Jan 15 01:04	12°♏59'17	
inferior conj	1718 Feb 14 00:59	25°♏04'11	3°43'30	retrograde	1719 Jan 19 19:18	14°♏58'08	
minimum elong	1718 Feb 14 00:18	25°♏06'05	3°43'29	evening set	1719 Jan 22 22:58	14°♏01'11	
min. Earth dist.	1718 Feb 16 10:26	22°♏22'48	0.63745 AU	inferior conj	1719 Jan 28 17:03	8°♏17'47	3°30'15
morning rise	1718 Feb 19 23:11	18°♏58'15		minimum elong	1719 Jan 28 15:07	8°♏23'45	3°29'59
direct	1718 Feb 26 20:56	16°♏12'10		min. Earth dist.	1719 Jan 30 11:05	6°♏08'39	0.65334 AU
desc. node	1718 Mar 07 15:34	19°♏44'45		morning rise	1719 Feb 03 06:08	2°♏06'20	
morning max el	1718 Mar 12 15:06	24°♏06'25	27°37'39		1719 Feb 06 10:50	30°♐	
	1718 Mar 17 22:46	0°♎		direct	1719 Feb 09 20:55	29°♐15'37	
	1718 Apr 07 01:58	0°♏			1719 Feb 13 12:45	0°♑	
morning set	1718 Apr 16 08:29	17°♏18'02		desc. node	1719 Feb 22 12:37	6°♑28'41	
max. Earth dist.	1718 Apr 21 12:05	27°♏50'00	1.33145 AU	morning max el	1719 Feb 23 00:52	6°♑59'07	26°53'43
	1718 Apr 22 12:44	0°♐			1719 Mar 12 20:02	0°♎	
					1719 Mar 30 09:18	0°♏	
superior conj	1718 Apr 24 05:21	3°♐36'19	0°-20'-4	morning set	1719 Mar 30 19:04	0°♏46'39	
minimum elong	1718 Apr 24 06:20	3°♐41'37	0°19'52	max. Earth dist.	1719 Apr 04 05:40	9°♏30'13	1.34263 AU
asc. node	1718 Apr 26 03:21	7°♐43'24					
evening rise	1718 May 01 09:03	18°♐56'54		superior conj	1719 Apr 08 06:59	17°♏49'03	0°-47'-53
	1718 May 06 19:48	0°♑		minimum elong	1719 Apr 08 09:23	18°♏01'35	0°47'26
evening max el	1718 May 23 18:04	24°♑56'35	22°55'05	asc. node	1719 Apr 13 00:22	27°♏45'27	
	1718 May 30 15:24	0°♒			1719 Apr 14 01:54	0°♐	
desc. node	1718 Jun 03 14:48	1°♒21'11		evening rise	1719 Apr 15 19:01	3°♐35'15	
retrograde	1718 Jun 06 02:18	1°♒35'12			1719 Apr 30 16:55	0°♑	
evening set	1718 Jun 09 12:40	1°♒09'21		evening max el	1719 May 05 14:26	5°♑38'19	21°23'20
	1718 Jun 12 20:22	30°♒		retrograde	1719 May 17 16:53	11°♑33'03	
min. Earth dist.	1718 Jun 17 02:56	27°♒46'52	0.55484 AU	evening set	1719 May 20 01:54	11°♑20'08	
inferior conj	1718 Jun 18 16:06	26°♒53'12	-3°-54'-5	desc. node	1719 May 21 11:49	11°♑00'53	
minimum elong	1718 Jun 18 08:30	27°♒04'12	3°52'19	inferior conj	1719 May 29 10:56	7°♑20'33	-2°-16'-4
morning rise	1718 Jun 27 07:15	23°♒00'53		minimum elong	1719 May 29 04:45	7°♑29'14	2°14'00
direct	1718 Jun 30 03:46	22°♒41'43		min. Earth dist.	1719 May 29 15:15	7°♑14'30	0.54918 AU
morning max el	1718 Jul 11 03:27	27°♒47'06	20°41'54	morning rise	1719 Jun 07 07:53	3°♑22'40	
	1718 Jul 13 07:51	0°♓		direct	1719 Jun 10 14:13	2°♑59'29	
asc. node	1718 Jul 23 02:36	14°♓19'12		morning max el	1719 Jun 23 03:47	8°♑56'53	22°13'32
morning set	1718 Jul 30 05:18	28°♓08'29			1719 Jul 08 02:06	0°♓	
	1718 Jul 31 02:59	0°♑		asc. node	1719 Jul 09 23:38	3°♓35'20	
				morning set	1719 Jul 14 15:15	12°♓58'55	
superior conj	1718 Aug 06 19:03	13°♑47'40	1°44'40				
minimum elong	1718 Aug 06 18:12	13°♑43'22	1°44'38	superior conj	1719 Jul 21 21:05	28°♓19'45	1°37'15
max. Earth dist.	1718 Aug 11 13:01	23°♑17'46	1.35950 AU	minimum elong	1719 Jul 21 19:12	28°♓09'47	1°37'05
	1718 Aug 15 01:05	0°♒			1719 Jul 22 16:08	0°♑	
evening rise	1718 Aug 15 15:33	1°♒07'30		max. Earth dist.	1719 Jul 25 04:47	5°♑15'01	1.34430 AU
desc. node	1718 Aug 30 14:11	26°♒24'36		evening rise	1719 Jul 29 21:51	14°♑40'25	
	1718 Sep 01 23:23	0°♓			1719 Aug 07 06:23	0°♒	
evening max el	1718 Sep 20 06:03	22°♓59'04	26°15'40	desc. node	1719 Aug 17 11:11	16°♒18'24	
	1718 Oct 01 06:53	0°♓			1719 Aug 27 17:12	0°♓	
retrograde	1718 Oct 02 22:36	0°♓09'27		evening max el	1719 Sep 02 18:17	6°♓31'09	27°03'12
	1718 Oct 04 13:01	30°♓		retrograde	1719 Sep 16 00:30	13°♓48'55	
evening set	1718 Oct 09 06:37	27°♓32'41		evening set	1719 Sep 22 20:29	11°♓06'03	
min. Earth dist.	1718 Oct 13 11:26	23°♓05'54	0.66441 AU	min. Earth dist.	1719 Sep 26 18:19	7°♓16'05	0.65298 AU

inferior conj	1719 Sep 28 18:31	4°♁58'59	-2°-21'-47	inferior conj	1720 Sep 11 05:05	18°♁31'20	-3°-17'-48
minimum elong	1719 Sep 28 22:17	4°♁48'18	2°20'23	minimum elong	1720 Sep 11 10:02	18°♁18'33	3°16'16
	1719 Oct 03 22:37	30°♁		morning rise	1720 Sep 17 22:17	13°♁09'55	
morning rise	1719 Oct 05 01:42	29°♁21'04		direct	1720 Sep 20 09:56	12°♁39'23	
asc. node	1719 Oct 05 22:49	28°♁59'40		asc. node	1720 Sep 21 19:52	12°♁49'26	
direct	1719 Oct 07 18:22	28°♁41'44		morning max el	1720 Sep 26 23:06	16°♁05'05	17°53'50
	1719 Oct 11 15:17	0°♁			1720 Oct 06 19:33	0°♁	
morning max el	1719 Oct 14 07:04	2°♁13'21	18°11'30	morning set	1720 Oct 13 17:10	11°♁47'51	
morning set	1719 Nov 01 18:27	29°♁50'46			1720 Oct 24 10:53	0°♁	
	1719 Nov 01 20:42	0°♁		superior conj	1720 Oct 26 07:22	3°♁03'06	0°26'51
desc. node	1719 Nov 13 10:30	18°♁46'46		minimum elong	1720 Oct 26 10:13	3°♁14'45	0°26'27
superior conj	1719 Nov 16 09:58	23°♁30'50	0°-19'-50	desc. node	1720 Oct 30 07:31	9°♁33'14	
minimum elong	1719 Nov 16 07:25	23°♁20'45	0°19'30	max. Earth dist.	1720 Nov 01 01:55	12°♁23'03	1.44246 AU
max. Earth dist.	1719 Nov 19 08:01	28°♁07'23	1.45016 AU	evening rise	1720 Nov 11 06:41	28°♁21'02	
	1719 Nov 20 12:39	0°♁			1720 Nov 12 08:26	0°♁	
evening rise	1719 Dec 02 21:08	19°♁16'39			1720 Dec 02 17:25	0°♁	
	1719 Dec 09 19:03	0°♁		greatest brilliancy	1720 Dec 03 13:36	1°♁07'13	-0.5m
greatest brilliancy	1719 Dec 19 06:09	14°♁16'53	-0.7m	evening max el	1720 Dec 09 11:08	8°♁09'52	20°35'55
evening max el	1719 Dec 27 08:52	24°♁39'55	19°35'01	retrograde	1720 Dec 17 13:58	12°♁57'22	
asc. node	1720 Jan 01 22:04	28°♁36'32		asc. node	1720 Dec 18 19:06	12°♁49'06	
retrograde	1720 Jan 03 16:08	28°♁53'28		evening set	1720 Dec 21 09:57	11°♁32'49	
evening set	1720 Jan 07 03:05	27°♁43'34		inferior conj	1720 Dec 26 20:32	5°♁21'58	2°29'42
inferior conj	1720 Jan 12 16:26	21°♁45'02	3°04'42	minimum elong	1720 Dec 26 17:56	5°♁30'52	2°28'53
minimum elong	1720 Jan 12 13:52	21°♁53'25	3°04'06	min. Earth dist.	1720 Dec 27 10:55	4°♁32'57	0.67312 AU
min. Earth dist.	1720 Jan 13 19:53	20°♁15'06	0.66523 AU		1720 Dec 31 03:22	30°♁	
morning rise	1720 Jan 17 23:55	15°♁30'44		morning rise	1721 Jan 01 01:27	29°♁06'49	
direct	1720 Jan 24 02:51	12°♁48'17		direct	1721 Jan 06 13:52	26°♁41'34	
morning max el	1720 Feb 05 10:00	20°♁06'55	25°45'07		1721 Jan 14 01:19	0°♁	
desc. node	1720 Feb 09 09:41	24°♁27'33		morning max el	1721 Jan 17 18:21	3°♁21'50	24°21'34
	1720 Feb 13 21:48	0°♁		desc. node	1721 Jan 26 06:43	13°♁19'22	
	1720 Mar 04 23:09	0°♁			1721 Feb 07 03:11	0°♁	
morning set	1720 Mar 12 15:08	13°♁28'05		morning set	1721 Feb 22 14:59	25°♁05'58	
max. Earth dist.	1720 Mar 16 11:30	20°♁40'16	1.35839 AU		1721 Feb 25 09:33	0°♁	
	1720 Mar 21 05:58	0°♁		max. Earth dist.	1721 Feb 26 08:37	1°♁43'44	1.37801 AU
superior conj	1720 Mar 22 00:42	1°♁33'51	-1°-14'-52	superior conj	1721 Mar 05 07:07	14°♁40'48	-1°-38'-54
minimum elong	1720 Mar 22 04:21	1°♁52'12	1°14'18	minimum elong	1721 Mar 05 11:21	15°♁01'11	1°38'25
evening rise	1720 Mar 30 01:15	17°♁57'08			1721 Mar 13 02:07	0°♁	
asc. node	1720 Mar 29 21:23	17°♁37'26		evening rise	1721 Mar 14 01:19	1°♁54'56	
	1720 Apr 05 04:52	0°♁		asc. node	1721 Mar 16 18:25	7°♁13'55	
evening max el	1720 Apr 16 21:54	16°♁54'29	20°05'44	evening max el	1721 Mar 30 16:36	28°♁49'08	19°06'52
retrograde	1720 Apr 27 07:20	21°♁55'40			1721 Apr 01 00:13	0°♁	
evening set	1720 Apr 29 08:19	21°♁44'55		retrograde	1721 Apr 08 10:44	3°♁03'32	
desc. node	1720 May 07 08:50	18°♁20'02		evening set	1721 Apr 10 14:07	2°♁49'23	
inferior conj	1720 May 08 07:47	17°♁45'53	0°-16'-40		1721 Apr 16 17:41	30°♁	
minimum elong	1720 May 08 07:01	17°♁47'02	0°16'23	inferior conj	1721 Apr 18 19:35	28°♁36'41	1°30'30
min. Earth dist.	1720 May 10 04:37	16°♁38'56	0.55317 AU	minimum elong	1721 Apr 18 22:54	28°♁30'59	1°29'25
morning rise	1720 May 17 03:07	13°♁24'12		min. Earth dist.	1721 Apr 21 19:49	26°♁33'38	0.56592 AU
direct	1720 May 21 03:41	12°♁48'51		desc. node	1721 Apr 24 05:52	25°♁04'24	
morning max el	1720 Jun 03 20:14	19°♁33'43	23°54'54	morning rise	1721 Apr 27 03:34	23°♁41'05	
	1720 Jun 12 14:28	0°♁		direct	1721 May 02 04:42	22°♁41'35	
asc. node	1720 Jun 25 20:40	23°♁13'49			1721 May 16 10:20	0°♁	
morning set	1720 Jun 28 02:55	27°♁55'14		morning max el	1721 May 16 10:41	0°♁00'52	25°32'48
	1720 Jun 29 02:30	0°♁			1721 Jun 06 04:50	0°♁	
superior conj	1720 Jul 05 04:29	13°♁07'41	1°24'22	morning set	1721 Jun 12 14:38	12°♁51'15	
minimum elong	1720 Jul 05 02:06	12°♁54'51	1°24'04	asc. node	1721 Jun 12 17:43	13°♁07'26	
max. Earth dist.	1720 Jul 07 06:02	17°♁33'48	1.33309 AU	superior conj	1721 Jun 19 14:59	28°♁03'32	1°07'01
evening rise	1720 Jul 12 15:46	28°♁47'45		minimum elong	1721 Jun 19 12:38	27°♁50'42	1°06'38
	1720 Jul 13 06:11	0°♁		max. Earth dist.	1721 Jun 20 14:22	0°♁11'26	1.32580 AU
	1720 Jul 30 09:51	0°♁			1721 Jun 20 12:17	0°♁	
desc. node	1720 Aug 03 08:10	5°♁40'27		evening rise	1721 Jun 26 17:48	13°♁18'12	
evening max el	1720 Aug 15 05:36	19°♁45'06	27°25'07		1721 Jul 05 08:52	0°♁	
retrograde	1720 Aug 28 20:15	27°♁02'51		desc. node	1721 Jul 21 05:11	24°♁17'22	
evening set	1720 Sep 04 23:57	24°♁23'32			1721 Jul 26 03:04	0°♁	
min. Earth dist.	1720 Sep 08 16:11	21°♁08'04	0.63806 AU	evening max el	1721 Jul 28 13:29	2°♁26'51	27°16'03

retrograde	1721 Aug 11 09:17	9°♄42'14		evening max el	1722 Jul 10 15:20	14°♁25'11	26°33'51
evening set	1721 Aug 18 13:18	7°♄18'48		retrograde	1722 Jul 24 14:45	21°♁38'13	
min. Earth dist.	1721 Aug 22 03:32	4°♄30'23	0.61989 AU	evening set	1722 Jul 31 07:53	19°♁44'02	
inferior conj	1721 Aug 25 04:06	1°♄44'41	-4°-7'-30	min. Earth dist.	1722 Aug 04 04:43	17°♁08'12	0.59955 AU
minimum elong	1721 Aug 25 09:18	1°♄32'45	4°06'20	inferior conj	1722 Aug 07 12:04	14°♁22'38	-4°-43'-58
	1721 Aug 27 03:05	30°♁		minimum elong	1722 Aug 07 15:40	14°♁22'38	4°43'33
morning rise	1721 Sep 01 08:04	26°♁43'23		morning rise	1722 Aug 15 02:48	9°♁51'17	
direct	1721 Sep 03 17:23	26°♁18'41		direct	1722 Aug 17 12:29	9°♁30'07	
asc. node	1721 Sep 08 16:55	28°♁09'24		morning max el	1722 Aug 25 01:26	13°♁09'59	18°14'23
morning max el	1721 Sep 10 14:16	29°♁46'43	17°54'26	asc. node	1722 Aug 26 14:00	14°♁45'48	
	1721 Sep 10 19:37	0°♄			1722 Sep 05 10:48	0°♄	
morning set	1721 Sep 26 12:22	24°♄43'39		morning set	1722 Sep 09 22:20	8°♄21'43	
	1721 Sep 29 10:23	0°♁					
superior conj	1721 Oct 07 07:53	13°♁55'48	1°03'49	superior conj	1722 Sep 19 09:32	26°♄02'35	1°28'35
minimum elong	1721 Oct 07 12:30	14°♁15'43	1°03'16	minimum elong	1722 Sep 19 13:15	26°♄19'29	1°28'15
max. Earth dist.	1721 Oct 14 15:52	26°♁14'05	1.42850 AU		1722 Sep 21 14:19	0°♁	
	1721 Oct 16 23:30	0°♄		max. Earth dist.	1722 Sep 26 23:59	9°♁24'25	1.41012 AU
desc. node	1721 Oct 17 04:32	0°♄20'19		evening rise	1722 Oct 01 22:13	17°♁36'42	
evening rise	1721 Oct 21 17:54	7°♄34'45		desc. node	1722 Oct 04 01:33	21°♁04'14	
	1721 Nov 05 14:54	0°♄			1722 Oct 09 18:09	0°♄	
greatest brilliancy	1721 Nov 17 12:25	16°♄12'24	-0.4m	greatest brilliancy	1722 Oct 30 03:10	28°♄37'27	-0.2m
evening max el	1721 Nov 22 07:42	21°♄40'34	21°48'04		1722 Oct 31 06:25	0°♄	
retrograde	1721 Dec 01 10:53	27°♄06'42		evening max el	1722 Nov 04 23:19	5°♄12'45	23°06'59
evening set	1721 Dec 05 17:46	25°♄26'02		retrograde	1722 Nov 15 05:19	11°♄17'33	
asc. node	1721 Dec 05 16:09	25°♄29'13		evening set	1722 Nov 20 00:50	9°♄19'49	
inferior conj	1721 Dec 11 03:16	19°♄06'18	1°47'17	asc. node	1722 Nov 22 13:13	6°♄44'32	
minimum elong	1721 Dec 11 01:05	19°♄13'50	1°46'28	min. Earth dist.	1722 Nov 25 02:44	3°♄22'34	0.67792 AU
min. Earth dist.	1721 Dec 11 06:00	18°♄56'47	0.67725 AU	inferior conj	1722 Nov 25 10:42	2°♄55'07	0°58'53
morning rise	1721 Dec 16 08:11	12°♄52'04		minimum elong	1722 Nov 25 09:22	2°♄59'42	0°58'21
direct	1721 Dec 21 05:18	10°♄48'41			1722 Nov 27 15:07	30°♄	
morning max el	1721 Dec 31 04:07	16°♄42'34	22°53'10	morning rise	1722 Nov 30 17:57	26°♄43'57	
greatest brilliancy	1722 Jan 04 20:40	21°♄56'39	-0.3m	direct	1722 Dec 05 00:23	25°♄03'22	
	1722 Jan 11 02:35	0°♁			1722 Dec 13 14:19	0°♄	
desc. node	1722 Jan 13 03:46	2°♁49'08		morning max el	1722 Dec 13 18:38	0°♄10'47	21°28'35
	1722 Jan 31 04:49	0°♁		greatest brilliancy	1722 Dec 18 19:51	5°♄56'12	-0.4m
morning set	1722 Feb 03 12:32	5°♁25'26		desc. node	1722 Dec 31 00:49	22°♄45'41	
max. Earth dist.	1722 Feb 08 04:13	13°♁16'01	1.39946 AU		1723 Jan 04 21:40	0°♁	
				morning set	1723 Jan 14 05:00	14°♁22'15	
superior conj	1722 Feb 15 21:58	26°♁59'22	-1°-56'-51	max. Earth dist.	1723 Jan 21 04:30	25°♁38'24	1.41992 AU
minimum elong	1722 Feb 16 01:21	27°♁14'53	1°56'40		1723 Jan 23 19:26	0°♁	
	1722 Feb 17 13:14	0°♄		superior conj	1723 Jan 28 16:00	8°♁16'37	-2°-4'-33
evening rise	1722 Feb 25 16:18	15°♄21'24		minimum elong	1723 Jan 28 16:13	8°♁17'35	2°04'34
asc. node	1722 Mar 03 15:28	26°♄29'23		evening rise	1723 Feb 08 18:27	28°♁07'27	
	1722 Mar 05 15:40	0°♄			1723 Feb 09 19:09	0°♄	
evening max el	1722 Mar 13 20:20	11°♄18'14	18°28'07	asc. node	1723 Feb 18 12:31	15°♄16'33	
retrograde	1722 Mar 21 08:57	15°♄00'35		evening max el	1723 Feb 25 05:58	24°♄13'18	18°09'26
evening set	1722 Mar 23 17:39	14°♄39'46		retrograde	1723 Mar 04 00:38	27°♄39'33	
inferior conj	1722 Mar 31 04:24	10°♄07'20	2°46'00	evening set	1723 Mar 06 14:37	27°♄10'03	
minimum elong	1722 Mar 31 08:20	9°♄59'26	2°45'03	inferior conj	1723 Mar 13 09:32	22°♄16'28	3°28'21
min. Earth dist.	1722 Apr 03 14:50	7°♄23'07	0.58470 AU	minimum elong	1723 Mar 13 11:54	22°♄10'56	3°28'03
morning rise	1722 Apr 07 18:53	4°♄40'37		min. Earth dist.	1723 Mar 16 16:03	19°♄14'54	0.60601 AU
desc. node	1722 Apr 11 02:55	3°♄25'19		morning rise	1723 Mar 20 05:59	16°♄28'30	
direct	1722 Apr 13 19:43	3°♄06'19		direct	1723 Mar 26 22:53	14°♄18'05	
morning max el	1722 Apr 28 04:52	10°♄47'05	26°51'24	desc. node	1723 Mar 28 23:58	14°♄29'38	
	1722 May 13 01:00	0°♄		morning max el	1723 Apr 10 05:07	22°♄10'14	27°38'26
morning set	1722 May 28 00:46	27°♄41'20			1723 Apr 17 02:34	0°♄	
	1722 May 29 03:04	0°♄			1723 May 06 01:44	0°♄	
asc. node	1722 May 30 14:46	3°♄10'57		morning set	1723 May 12 07:31	12°♄19'29	
				asc. node	1723 May 17 11:49	23°♄19'57	
superior conj	1722 Jun 04 02:45	13°♄01'03	0°45'59	max. Earth dist.	1723 May 18 14:06	25°♄43'11	1.32264 AU
minimum elong	1722 Jun 04 00:54	12°♄50'49	0°45'37				
max. Earth dist.	1722 Jun 04 02:19	12°♄58'38	1.32231 AU	superior conj	1723 May 19 14:05	27°♄54'32	0°22'00
evening rise	1722 Jun 11 01:14	28°♄03'08		minimum elong	1723 May 19 13:06	27°♄49'09	0°21'47
	1722 Jun 11 23:36	0°♄			1723 May 20 12:57	0°♄	
	1722 Jun 28 19:45	0°♄		evening rise	1723 May 26 11:52	12°♄55'23	
desc. node	1722 Jul 08 02:12	11°♄50'12			1723 Jun 04 03:14	0°♄	

evening max el	1723 Jun 22 10:14	25° \mathbb{E} 38'06	25°22'00	minimum elong	1724 May 02 23:23	12° \mathbb{E} 38'16	0°04'14
desc. node	1723 Jun 24 23:13	27° \mathbb{E} 53'00		behind sun begin	1724 May 02 18:21	12° \mathbb{E} 11'00	
	1723 Jun 27 21:40	0° \mathbb{Q}		behind sun end	1724 May 03 04:25	13° \mathbb{E} 05'33	
retrograde	1723 Jul 06 10:42	2° \mathbb{Q} 46'22		asc. node	1724 May 03 08:51	13° \mathbb{E} 29'32	
evening set	1723 Jul 12 03:34	1° \mathbb{Q} 30'39		evening rise	1724 May 09 23:42	27° \mathbb{E} 47'21	
	1723 Jul 15 01:21	30° \mathbb{E}			1724 May 11 00:54	0° \mathbb{I}	
min. Earth dist.	1723 Jul 16 22:13	28° \mathbb{E} 48'42	0.57920 AU		1724 May 28 10:56	0° \mathbb{E}	
inferior conj	1723 Jul 20 01:39	26° \mathbb{E} 38'02	-4°-56'-20	evening max el	1724 Jun 03 00:28	6° \mathbb{E} 16'23	23°50'39
minimum elong	1723 Jul 20 01:10	26° \mathbb{E} 38'54	4°56'20	desc. node	1724 Jun 10 20:15	11° \mathbb{E} 50'41	
morning rise	1723 Jul 28 02:29	22° \mathbb{E} 22'07		retrograde	1724 Jun 16 18:17	13° \mathbb{E} 10'07	
direct	1723 Jul 30 14:58	22° \mathbb{E} 02'47		evening set	1724 Jun 21 00:45	12° \mathbb{E} 29'59	
morning max el	1723 Aug 08 05:24	26° \mathbb{E} 05'51	18°54'54	min. Earth dist.	1724 Jun 27 11:09	9° \mathbb{E} 26'03	0.56203 AU
	1723 Aug 11 17:05	0° \mathbb{Q}		inferior conj	1724 Jun 29 18:57	8° \mathbb{E} 01'08	-4°-30'-33
asc. node	1723 Aug 13 11:04	2° \mathbb{Q} 23'34		minimum elong	1724 Jun 29 13:13	8° \mathbb{E} 09'55	4°29'41
morning set	1723 Aug 24 18:46	22° \mathbb{Q} 30'58		morning rise	1724 Jul 08 05:08	4° \mathbb{E} 03'12	
	1723 Aug 28 13:56	0° \mathbb{M}		direct	1724 Jul 10 22:25	3° \mathbb{E} 44'17	
				morning max el	1724 Jul 20 23:14	8° \mathbb{E} 23'25	19°56'49
superior conj	1723 Sep 02 06:54	9° \mathbb{M} 08'26	1°42'00	asc. node	1724 Jul 30 08:06	20° \mathbb{E} 47'55	
minimum elong	1723 Sep 02 08:45	9° \mathbb{M} 17'14	1°41'54		1724 Aug 04 09:25	0° \mathbb{Q}	
max. Earth dist.	1723 Sep 09 03:56	21° \mathbb{M} 51'51	1.38980 AU	morning set	1724 Aug 07 22:19	7° \mathbb{Q} 01'31	
evening rise	1723 Sep 13 02:40	28° \mathbb{M} 46'42					
	1723 Sep 13 19:49	0° \mathbb{L}		superior conj	1724 Aug 15 18:36	22° \mathbb{Q} 57'03	1°45'57
desc. node	1723 Sep 20 22:34	11° \mathbb{L} 41'37		minimum elong	1724 Aug 15 18:37	22° \mathbb{Q} 57'07	1°45'56
	1723 Oct 03 04:55	0° \mathbb{M}			1724 Aug 19 08:37	0° \mathbb{M}	
evening max el	1723 Oct 18 12:06	18° \mathbb{M} 49'16	24°26'30	max. Earth dist.	1724 Aug 21 08:42	3° \mathbb{M} 49'56	1.36996 AU
retrograde	1723 Oct 29 20:01	25° \mathbb{M} 26'47		evening rise	1724 Aug 25 05:55	11° \mathbb{M} 01'03	
evening set	1723 Nov 04 05:32	23° \mathbb{M} 12'10			1724 Sep 05 11:09	0° \mathbb{L}	
min. Earth dist.	1723 Nov 08 22:42	17° \mathbb{M} 48'32	0.67536 AU	desc. node	1724 Sep 06 19:36	2° \mathbb{L} 07'11	
inferior conj	1723 Nov 09 17:07	16° \mathbb{M} 46'49	0°05'54		1724 Sep 27 13:59	0° \mathbb{M}	
minimum elong	1723 Nov 09 16:59	16° \mathbb{M} 47'18	0°05'51	evening max el	1724 Sep 30 00:08	2° \mathbb{M} 29'09	25°39'33
transit begin	1723 Nov 09 14:25	16° \mathbb{M} 55'52		retrograde	1724 Oct 12 06:05	9° \mathbb{M} 29'47	
transit end	1723 Nov 09 19:32	16° \mathbb{M} 38'44		evening set	1724 Oct 18 06:08	7° \mathbb{M} 00'03	
asc. node	1723 Nov 09 10:17	17° \mathbb{M} 09'46		min. Earth dist.	1724 Oct 22 15:23	2° \mathbb{M} 12'05	0.66945 AU
morning rise	1723 Nov 15 04:46	10° \mathbb{M} 41'10		inferior conj	1724 Oct 23 20:42	0° \mathbb{M} 38'30	0°-50'-22
direct	1723 Nov 18 22:00	9° \mathbb{M} 21'56		minimum elong	1724 Oct 23 22:00	0° \mathbb{M} 34'21	0°49'49
morning max el	1723 Nov 26 16:24	13° \mathbb{M} 49'23	20°14'14		1724 Oct 24 08:48	30° \mathbb{L}	
greatest brilliancy	1723 Dec 03 09:21	21° \mathbb{M} 52'48	-0.6m	asc. node	1724 Oct 26 07:19	27° \mathbb{L} 39'22	
	1723 Dec 09 04:05	0° \mathbb{N}		morning rise	1724 Oct 29 14:39	24° \mathbb{L} 41'18	
desc. node	1723 Dec 17 21:50	13° \mathbb{N} 01'42		direct	1724 Nov 01 20:36	23° \mathbb{L} 40'26	
morning set	1723 Dec 24 02:13	22° \mathbb{N} 30'15		morning max el	1724 Nov 08 21:53	27° \mathbb{L} 38'07	19°13'57
	1723 Dec 28 21:41	0° \mathbb{O}			1724 Nov 11 01:36	0° \mathbb{M}	
max. Earth dist.	1724 Jan 03 12:28	8° \mathbb{O} 54'24	1.43670 AU	greatest brilliancy	1724 Nov 19 07:57	11° \mathbb{M} 18'00	-0.7m
					1724 Dec 01 12:28	0° \mathbb{N}	
superior conj	1724 Jan 09 08:31	18° \mathbb{O} 23'01	-1°-57'-2	morning set	1724 Dec 02 04:32	1° \mathbb{N} 02'32	
minimum elong	1724 Jan 09 03:28	18° \mathbb{O} 02'15	1°56'47	desc. node	1724 Dec 03 18:53	3° \mathbb{N} 31'45	
	1724 Jan 16 07:03	0° \mathbb{P}		max. Earth dist.	1724 Dec 16 03:32	22° \mathbb{N} 52'49	1.44760 AU
evening rise	1724 Jan 22 03:34	10° \mathbb{P} 04'40					
	1724 Feb 02 23:59	0° \mathbb{K}		superior conj	1724 Dec 18 23:43	27° \mathbb{N} 22'35	-1°-30'-42
asc. node	1724 Feb 05 09:34	3° \mathbb{K} 26'28		minimum elong	1724 Dec 18 14:59	26° \mathbb{N} 47'57	1°29'52
evening max el	1724 Feb 08 18:19	7° \mathbb{K} 25'35	18°10'09		1724 Dec 20 15:18	0° \mathbb{O}	
retrograde	1724 Feb 15 05:36	10° \mathbb{K} 50'15		evening rise	1725 Jan 02 15:31	21° \mathbb{O} 06'46	
evening set	1724 Feb 18 00:37	10° \mathbb{K} 10'46			1725 Jan 08 00:34	0° \mathbb{P}	
inferior conj	1724 Feb 24 07:20	4° \mathbb{K} 56'25	3°43'55	evening max el	1725 Jan 22 06:33	20° \mathbb{P} 48'00	18°29'29
minimum elong	1724 Feb 24 07:40	4° \mathbb{K} 55'31	3°43'55	asc. node	1725 Jan 22 06:36	20° \mathbb{P} 48'06	
min. Earth dist.	1724 Feb 27 01:34	2° \mathbb{K} 02'05	0.62672 AU	retrograde	1725 Jan 28 19:37	24° \mathbb{P} 23'41	
	1724 Feb 29 04:56	30° \mathbb{P}		evening set	1725 Jan 31 19:56	23° \mathbb{P} 33'17	
morning rise	1724 Mar 01 12:34	28° \mathbb{P} 55'41		inferior conj	1725 Feb 06 17:46	17° \mathbb{P} 59'42	3°39'37
direct	1724 Mar 08 11:22	26° \mathbb{P} 18'30		minimum elong	1725 Feb 06 16:28	18° \mathbb{P} 03'29	3°39'30
desc. node	1724 Mar 14 21:01	28° \mathbb{P} 12'31		min. Earth dist.	1725 Feb 08 20:35	15° \mathbb{P} 31'02	0.64468 AU
	1724 Mar 17 14:47	0° \mathbb{K}		morning rise	1725 Feb 12 11:39	11° \mathbb{P} 51'19	
morning max el	1724 Mar 22 10:47	4° \mathbb{K} 13'47	27°48'24	direct	1725 Feb 19 07:17	9° \mathbb{P} 01'41	
	1724 Apr 10 17:32	0° \mathbb{Y}		desc. node	1725 Mar 01 18:02	14° \mathbb{P} 00'35	
morning set	1724 Apr 25 08:39	26° \mathbb{Y} 37'37		morning max el	1725 Mar 04 19:51	16° \mathbb{P} 52'01	27°22'40
	1724 Apr 27 00:20	0° \mathbb{B}			1725 Mar 15 18:02	0° \mathbb{K}	
max. Earth dist.	1724 Apr 30 21:50	8° \mathbb{B} 11'31	1.32701 AU		1725 Apr 03 12:43	0° \mathbb{Y}	
				morning set	1725 Apr 09 01:31	10° \mathbb{Y} 27'19	
superior conj	1724 May 02 23:10	12° \mathbb{B} 37'09	0°-4'-15	max. Earth dist.	1725 Apr 13 21:45	20° \mathbb{Y} 12'22	1.33566 AU

superior conj	1725 Apr 17 04:09	27°♃02'50	0°-31'-50	superior conj	1726 Apr 01 02:42	11°♃04'02	0°-59'-33
minimum elong	1725 Apr 17 05:44	27°♃11'15	0°31'31	minimum elong	1726 Apr 01 05:40	11°♃19'20	0°59'01
	1725 Apr 18 13:29	0°♃		asc. node	1726 Apr 07 02:55	23°♃34'01	
asc. node	1725 Apr 20 05:53	3°♃35'49		evening rise	1726 Apr 08 19:31	27°♃04'46	
evening rise	1725 Apr 24 10:54	12°♃32'51			1726 Apr 10 05:42	0°♃	
	1725 May 03 10:05	0°♃		evening max el	1726 Apr 27 16:56	27°♃41'07	20°48'09
evening max el	1725 May 15 16:24	16°♃47'37	22°14'51		1726 Apr 30 09:42	0°♃	
retrograde	1725 May 28 13:28	23°♃09'15		retrograde	1726 May 09 02:40	3°♃13'54	
desc. node	1725 May 28 17:15	23°♃09'12		evening set	1726 May 11 06:22	3°♃02'47	
evening set	1725 May 31 11:22	22°♃50'30		desc. node	1726 May 15 14:15	1°♃40'55	
min. Earth dist.	1725 Jun 08 22:40	19°♃11'52	0.55139 AU		1726 May 18 21:57	30°♃	
inferior conj	1725 Jun 09 19:08	18°♃43'03	-3°-17'-11	inferior conj	1726 May 20 12:52	29°♃05'03	-1°-25'-58
minimum elong	1725 Jun 09 11:22	18°♃54'00	3°14'59	minimum elong	1726 May 20 08:48	29°♃10'51	1°24'30
morning rise	1725 Jun 18 13:22	14°♃51'01		min. Earth dist.	1726 May 21 11:07	28°♃33'18	0.54967 AU
direct	1725 Jun 21 13:34	14°♃30'40		morning rise	1726 May 29 10:20	24°♃59'17	
morning max el	1725 Jul 03 05:36	19°♃57'09	21°18'58	direct	1726 Jun 01 23:03	24°♃32'27	
	1725 Jul 11 10:11	0°♃			1726 Jun 14 03:35	0°♃	
asc. node	1725 Jul 17 05:08	9°♃47'51		morning max el	1726 Jun 15 02:03	0°♃50'51	22°56'16
morning set	1725 Jul 23 06:31	21°♃46'37		asc. node	1726 Jul 04 02:10	29°♃14'27	
	1725 Jul 27 04:54	0°♃			1726 Jul 04 11:19	0°♃	
				morning set	1726 Jul 07 17:25	6°♃40'34	
superior conj	1725 Jul 30 16:22	7°♃16'15	1°42'15	superior conj	1726 Jul 14 21:00	21°♃56'26	1°32'23
minimum elong	1725 Jul 30 15:01	7°♃09'13	1°42'10	minimum elong	1726 Jul 14 18:50	21°♃44'55	1°32'11
max. Earth dist.	1725 Aug 03 19:37	15°♃42'00	1.35265 AU	max. Earth dist.	1726 Jul 17 15:31	27°♃47'52	1.33900 AU
evening rise	1725 Aug 08 03:40	24°♃08'43			1726 Jul 18 16:55	0°♃	
	1725 Aug 11 07:16	0°♃		evening rise	1726 Jul 22 15:20	7°♃57'38	
desc. node	1725 Aug 24 16:36	22°♃14'56			1726 Aug 03 19:38	0°♃	
	1725 Aug 30 01:08	0°♃		desc. node	1726 Aug 11 13:35	11°♃57'04	
evening max el	1725 Sep 12 12:16	16°♃06'28	26°38'30	evening max el	1726 Aug 26 00:09	29°♃32'10	27°15'55
retrograde	1725 Sep 25 10:57	23°♃20'19			1726 Aug 26 11:57	0°♃	
evening set	1725 Oct 02 00:35	20°♃39'57		retrograde	1726 Sep 08 10:23	6°♃50'59	
min. Earth dist.	1725 Oct 06 02:23	16°♃29'04	0.66006 AU	evening set	1726 Sep 15 10:29	4°♃07'52	
inferior conj	1725 Oct 07 19:29	14°♃26'33	-1°-48'-23	min. Earth dist.	1726 Sep 19 05:32	0°♃33'27	0.64707 AU
minimum elong	1725 Oct 07 22:22	14°♃17'57	1°47'14		1726 Sep 19 17:58	30°♃	
asc. node	1725 Oct 13 04:21	9°♃06'15		inferior conj	1726 Sep 21 11:17	28°♃06'42	-2°-45'-59
morning rise	1725 Oct 13 21:26	8°♃40'53		minimum elong	1726 Sep 21 15:37	27°♃54'51	2°44'29
direct	1725 Oct 16 18:18	7°♃54'47		morning rise	1726 Sep 27 22:38	22°♃35'44	
morning max el	1725 Oct 23 09:33	11°♃32'58	18°29'31	asc. node	1726 Sep 30 01:23	22°♃01'50	
	1725 Nov 05 12:51	0°♃		direct	1726 Sep 30 12:49	22°♃00'38	
morning set	1725 Nov 12 07:43	10°♃52'33		morning max el	1726 Oct 07 00:55	25°♃28'37	18°01'52
desc. node	1725 Nov 20 15:54	24°♃11'08			1726 Oct 10 19:50	0°♃	
	1725 Nov 24 08:12	0°♃		morning set	1726 Oct 24 15:50	22°♃07'54	
					1726 Oct 29 08:56	0°♃	
superior conj	1725 Nov 28 01:07	5°♃49'51	0°-47'-57	superior conj	1726 Nov 07 10:14	14°♃45'39	0°00'46
minimum elong	1725 Nov 27 19:00	5°♃25'45	0°47'11	minimum elong	1726 Nov 07 10:20	14°♃46'02	0°00'45
max. Earth dist.	1725 Nov 28 22:18	7°♃13'00	1.45138 AU	behind sun begin	1726 Nov 06 23:49	14°♃03'50	
	1725 Dec 13 09:54	0°♃		behind sun end	1726 Nov 07 20:51	15°♃28'09	
evening rise	1725 Dec 14 04:03	1°♃11'45		desc. node	1726 Nov 07 12:57	14°♃56'30	
greatest brilliancy	1725 Dec 25 17:18	19°♃21'55	-0.8m	max. Earth dist.	1726 Nov 11 17:07	21°♃34'56	1.44771 AU
	1726 Jan 02 01:41	0°♃			1726 Nov 17 01:49	0°♃	
evening max el	1726 Jan 05 16:12	4°♃14'56	19°06'22	evening rise	1726 Nov 23 20:24	10°♃30'31	
asc. node	1726 Jan 09 03:37	7°♃07'34			1726 Dec 06 15:16	0°♃	
retrograde	1726 Jan 12 14:54	8°♃12'21		greatest brilliancy	1726 Dec 12 21:09	9°♃02'35	-0.6m
evening set	1726 Jan 15 21:31	7°♃09'57		evening max el	1726 Dec 19 21:30	17°♃44'19	19°59'13
inferior conj	1726 Jan 21 13:16	1°♃19'30	3°20'43	asc. node	1726 Dec 27 00:39	22°♃10'39	
minimum elong	1726 Jan 21 10:59	1°♃26'43	3°20'18	retrograde	1726 Dec 27 12:34	22°♃12'01	
	1726 Jan 22 14:17	30°♃		evening set	1726 Dec 31 03:03	20°♃56'10	
min. Earth dist.	1726 Jan 23 00:49	29°♃26'53	0.65887 AU	inferior conj	1727 Jan 05 14:59	14°♃51'48	2°50'52
morning rise	1726 Jan 26 23:34	25°♃06'34		minimum elong	1727 Jan 05 12:21	15°♃00'39	2°50'09
direct	1726 Feb 02 09:39	22°♃18'22		min. Earth dist.	1727 Jan 06 12:41	13°♃39'15	0.66906 AU
morning max el	1726 Feb 15 05:41	29°♃52'51	26°27'07	morning rise	1727 Jan 10 21:01	8°♃36'38	
	1726 Feb 15 08:30	0°♃		direct	1727 Jan 16 17:51	6°♃00'44	
desc. node	1726 Feb 16 15:05	1°♃19'25		morning max el	1727 Jan 28 14:34	13°♃05'13	25°10'43
	1726 Mar 09 15:59	0°♃		desc. node	1727 Feb 03 12:09	19°♃43'15	
morning set	1726 Mar 23 06:29	23°♃37'07			1727 Feb 11 07:16	0°♃	
	1726 Mar 26 14:21	0°♃					
max. Earth dist.	1726 Mar 27 10:36	1°♃39'17	1.34881 AU				

	1727 Mar 02 10:30	0°♄			1728 Feb 04 21:32	0°♁		
morning set	1727 Mar 05 18:42	5°♄53'34			1728 Feb 15 08:06	17°♁00'14		
max. Earth dist.	1727 Mar 09 11:59	12°♄42'00	1.36635 AU		1728 Feb 19 06:57	23°♁51'37	1.38705 AU	
					1728 Feb 22 17:05	0°♄		
superior conj	1727 Mar 15 16:01	24°♄33'23	-1°-25'-37					
minimum elong	1727 Mar 15 20:02	24°♄53'15	1°25'03		superior conj	1728 Feb 26 16:26	7°♄21'44	-1°-47'-29
	1727 Mar 18 09:33	0°♃			minimum elong	1728 Feb 26 20:33	7°♄41'05	1°47'08
evening rise	1727 Mar 23 23:26	11°♃16'53			evening rise	1728 Mar 06 20:03	25°♄02'31	
asc. node	1727 Mar 24 23:57	13°♃19'52				1728 Mar 09 09:31	0°♃	
	1727 Apr 03 01:49	0°♂			asc. node	1728 Mar 10 21:00	2°♃48'29	
evening max el	1727 Apr 10 05:16	9°♂13'16	19°38'15		evening max el	1728 Mar 23 04:21	21°♃24'35	18°47'59
retrograde	1727 Apr 19 21:27	13°♂53'19			retrograde	1728 Mar 31 08:23	25°♃22'53	
evening set	1727 Apr 21 22:27	13°♂41'46			evening set	1728 Apr 02 13:59	25°♃06'13	
inferior conj	1727 Apr 30 14:47	9°♂38'22	0°31'58		inferior conj	1728 Apr 10 11:19	20°♃45'55	2°06'47
minimum elong	1727 Apr 30 16:10	9°♂36'12	0°31'29		minimum elong	1728 Apr 10 15:17	20°♃38'38	2°05'37
desc. node	1727 May 02 11:18	8°♂28'03			min. Earth dist.	1728 Apr 13 18:10	18°♃22'38	0.57336 AU
min. Earth dist.	1727 May 03 01:26	8°♂06'07	0.55757 AU		morning rise	1728 Apr 18 12:15	15°♃36'12	
morning rise	1727 May 09 06:17	5°♂02'12			desc. node	1728 Apr 18 08:22	15°♃40'31	
direct	1727 May 13 16:43	4°♂18'09			direct	1728 Apr 24 00:21	14°♃22'24	
morning max el	1727 May 27 17:00	11°♂20'26	24°38'03		morning max el	1728 May 08 08:23	21°♃52'38	26°09'27
	1727 Jun 10 20:51	0°♂				1728 May 15 11:25	0°♂	
asc. node	1727 Jun 20 23:13	19°♂00'00				1728 Jun 02 12:26	0°♂	
morning set	1727 Jun 22 05:17	21°♂37'20			morning set	1728 Jun 05 16:32	6°♂31'42	
	1727 Jun 26 02:54	0°♁			asc. node	1728 Jun 06 20:17	8°♂58'44	
superior conj	1727 Jun 29 05:58	6°♁48'46	1°17'31		superior conj	1728 Jun 12 17:15	21°♂46'33	0°58'32
minimum elong	1727 Jun 29 03:33	6°♁35'36	1°17'10		minimum elong	1728 Jun 12 15:04	21°♂34'31	0°58'08
max. Earth dist.	1727 Jun 30 19:54	10°♁14'18	1.32940 AU		max. Earth dist.	1728 Jun 13 06:08	22°♂57'18	1.32381 AU
evening rise	1727 Jul 06 13:03	22°♁15'59				1728 Jun 16 11:41	0°♁	
	1727 Jul 10 10:42	0°♂			evening rise	1728 Jun 19 17:43	6°♁54'12	
	1727 Jul 28 16:10	0°♃				1728 Jul 01 23:15	0°♂	
desc. node	1727 Jul 29 10:36	1°♃02'14			desc. node	1728 Jul 15 07:37	19°♂14'58	
evening max el	1727 Aug 08 10:12	12°♃33'55	27°25'20		evening max el	1728 Jul 20 16:00	24°♂59'16	27°02'15
retrograde	1727 Aug 22 03:43	19°♃51'45				1728 Jul 27 04:13	0°♃	
evening set	1727 Aug 29 08:31	17°♃17'24			retrograde	1728 Aug 03 13:47	2°♃13'27	
min. Earth dist.	1727 Sep 01 23:08	14°♃14'44	0.63062 AU		evening set	1728 Aug 10 14:30	0°♃01'18	
inferior conj	1727 Sep 04 17:21	11°♃32'15	-3°-40'-1			1728 Aug 10 15:20	30°♂	
minimum elong	1727 Sep 04 22:34	11°♃19'23	3°38'34		min. Earth dist.	1728 Aug 14 06:17	27°♂20'00	0.61139 AU
morning rise	1727 Sep 11 15:07	6°♃19'06			inferior conj	1728 Aug 17 10:27	24°♂35'18	-4°-25'-11
direct	1727 Sep 14 01:17	5°♃51'33			minimum elong	1728 Aug 17 15:15	24°♂24'52	4°24'18
asc. node	1727 Sep 16 22:27	6°♃31'22			morning rise	1728 Aug 24 19:00	19°♂43'05	
morning max el	1727 Sep 20 17:01	9°♃17'31	17°51'46		direct	1728 Aug 27 04:05	19°♂20'09	
	1727 Oct 04 10:10	0°♂			asc. node	1728 Sep 02 19:30	22°♂25'39	
morning set	1727 Oct 07 00:03	4°♂32'15			morning max el	1728 Sep 03 06:49	22°♂52'19	18°00'23
						1728 Sep 08 21:22	0°♃	
superior conj	1727 Oct 18 18:56	24°♂51'51	0°43'58		morning set	1728 Sep 19 02:11	17°♃48'04	
minimum elong	1727 Oct 18 22:59	25°♂08'44	0°43'26			1728 Sep 25 17:59	0°♂	
	1727 Oct 21 21:21	0°♂						
max. Earth dist.	1727 Oct 25 09:04	5°♂40'14	1.43719 AU		superior conj	1728 Sep 29 06:40	6°♂17'24	1°15'48
desc. node	1727 Oct 25 09:57	5°♂43'46			minimum elong	1728 Sep 29 11:08	6°♂37'03	1°15'19
evening rise	1727 Nov 03 04:25	19°♂33'11			max. Earth dist.	1728 Oct 06 20:31	19°♂15'01	1.42117 AU
	1727 Nov 10 00:41	0°♂			desc. node	1728 Oct 11 06:58	26°♂30'00	
greatest brilliancy	1727 Nov 27 14:05	25°♂03'31	-0.5m		evening rise	1728 Oct 12 21:29	29°♂04'06	
	1727 Dec 01 17:12	0°♂				1728 Oct 13 11:34	0°♂	
evening max el	1727 Dec 02 21:20	1°♂14'41	21°05'30			1728 Nov 02 16:22	0°♂	
retrograde	1727 Dec 11 10:16	6°♂18'33			greatest brilliancy	1728 Nov 09 22:14	9°♂27'25	-0.3m
asc. node	1727 Dec 13 21:42	5°♂44'20			evening max el	1728 Nov 14 15:46	14°♂46'24	22°21'13
evening set	1727 Dec 15 10:33	4°♂47'33			retrograde	1728 Nov 24 06:09	20°♂28'48	
	1727 Dec 19 18:53	30°♂			evening set	1728 Nov 28 18:14	18°♂41'03	
inferior conj	1727 Dec 20 20:30	28°♂32'34	2°12'31		asc. node	1728 Nov 29 18:46	17°♂45'56	
minimum elong	1727 Dec 20 18:01	28°♂41'05	2°11'41		inferior conj	1728 Dec 04 03:45	12°♂19'00	1°27'23
min. Earth dist.	1727 Dec 21 05:52	28°♂00'18	0.67533 AU		minimum elong	1728 Dec 04 01:53	12°♂25'27	1°26'40
morning rise	1727 Dec 26 01:06	22°♂17'20			min. Earth dist.	1728 Dec 04 01:56	12°♂25'19	0.67801 AU
direct	1727 Dec 31 07:02	20°♂00'48			morning rise	1728 Dec 09 09:24	6°♂05'50	
morning max el	1728 Jan 10 23:04	26°♂22'22	23°43'50		direct	1728 Dec 14 00:15	4°♂11'58	
	1728 Jan 14 07:18	0°♂			morning max el	1728 Dec 23 10:15	9°♂45'07	22°16'09
desc. node	1728 Jan 21 09:13	8°♂53'02			greatest brilliancy	1728 Dec 28 00:40	14°♂54'28	-0.3m

desc. node	1729 Jan 07 06:15	28°♁35'17		morning max el	1729 Dec 06 03:44	23°♁18'13	20°55'28
	1729 Jan 08 05:55	0°♁		greatest brilliancy	1729 Dec 11 18:33	29°♁49'41	-0.5m
morning set	1729 Jan 25 17:02	26°♁42'59			1729 Dec 11 21:46	0°♁	
	1729 Jan 27 17:19	0°♁		desc. node	1729 Dec 25 03:16	18°♁41'11	
max. Earth dist.	1729 Jan 31 03:59	5°♁44'01	1.40850 AU		1730 Jan 01 14:30	0°♁	
				morning set	1730 Jan 04 23:11	5°♁12'42	
superior conj	1729 Feb 07 23:07	19°♁16'08	-2°-1'-39	max. Earth dist.	1730 Jan 13 08:12	18°♁33'16	1.42771 AU
minimum elong	1729 Feb 08 01:29	19°♁26'42	2°01'36		1730 Jan 20 05:44	0°♁	
	1729 Feb 13 20:27	0°♁					
evening rise	1729 Feb 18 06:03	8°♁12'48		superior conj	1730 Jan 20 06:46	0°♁04'23	-2°-3'-31
asc. node	1729 Feb 25 18:04	21°♁52'56		minimum elong	1730 Jan 20 04:54	29°♁56'27	2°03'29
	1729 Mar 02 23:10	0°♁		evening rise	1730 Feb 01 01:32	20°♁39'41	
evening max el	1729 Mar 06 11:02	4°♁06'07	18°17'45		1730 Feb 06 07:39	0°♁	
retrograde	1729 Mar 13 14:23	7°♁39'26		asc. node	1730 Feb 12 15:07	10°♁25'36	
evening set	1729 Mar 16 01:34	7°♁14'57		evening max el	1730 Feb 17 22:08	17°♁09'21	18°07'18
inferior conj	1729 Mar 23 05:06	2°♁33'23	3°07'41	retrograde	1730 Feb 24 12:28	20°♁33'27	
minimum elong	1729 Mar 23 08:31	2°♁26'03	3°07'02	evening set	1730 Feb 27 04:36	19°♁59'48	
	1729 Mar 26 04:55	30°♁		inferior conj	1730 Mar 05 17:50	14°♁56'53	3°37'46
min. Earth dist.	1729 Mar 26 15:13	29°♁38'55	0.59371 AU	minimum elong	1730 Mar 05 19:20	14°♁53'11	3°37'39
morning rise	1729 Mar 30 11:45	26°♁56'46		min. Earth dist.	1730 Mar 08 19:38	11°♁55'54	0.61507 AU
desc. node	1729 Apr 05 05:25	25°♁07'48		morning rise	1730 Mar 12 07:22	9°♁02'30	
direct	1729 Apr 05 20:44	25°♁06'42		direct	1730 Mar 19 03:49	6°♁39'33	
	1729 Apr 17 00:09	0°♁		desc. node	1730 Mar 23 02:28	7°♁22'43	
morning max el	1729 Apr 20 04:49	2°♁52'23	27°15'47	morning max el	1730 Apr 02 07:45	14°♁33'32	27°47'17
	1729 May 09 21:57	0°♁			1730 Apr 14 19:27	0°♁	
morning set	1729 May 21 01:26	21°♁17'08			1730 May 02 08:49	0°♁	
asc. node	1729 May 24 17:20	29°♁04'56		morning set	1730 May 05 06:03	5°♁47'27	
	1729 May 25 03:29	0°♁		max. Earth dist.	1730 May 11 05:17	18°♁25'05	1.32406 AU
max. Earth dist.	1729 May 27 18:35	5°♁45'18	1.32203 AU	asc. node	1730 May 11 14:22	19°♁14'27	
superior conj	1729 May 28 05:01	6°♁42'40	0°36'09	superior conj	1730 May 12 15:33	21°♁31'43	0°11'05
minimum elong	1729 May 28 03:29	6°♁34'15	0°35'49	minimum elong	1730 May 12 15:03	21°♁28'55	0°10'58
evening rise	1729 Jun 04 02:46	21°♁43'03		behind sun begin	1730 May 12 11:20	21°♁08'38	
	1729 Jun 08 03:40	0°♁		behind sun end	1730 May 12 18:46	21°♁49'12	
	1729 Jun 26 14:37	0°♁			1730 May 16 12:35	0°♁	
desc. node	1729 Jul 02 04:39	6°♁13'01		evening rise	1730 May 19 14:07	6°♁35'35	
evening max el	1729 Jul 02 15:01	6°♁38'00	26°06'28		1730 May 31 21:46	0°♁	
retrograde	1729 Jul 16 15:01	13°♁48'38		evening max el	1730 Jun 14 07:08	17°♁32'18	24°44'29
evening set	1729 Jul 22 23:36	12°♁10'24		desc. node	1730 Jun 19 01:41	21°♁26'39	
min. Earth dist.	1729 Jul 27 03:39	9°♁34'19	0.59076 AU	retrograde	1730 Jun 28 05:46	24°♁36'18	
inferior conj	1729 Jul 30 10:55	7°♁05'34	-4°-52'-58	evening set	1730 Jul 03 09:00	23°♁36'35	
minimum elong	1729 Jul 30 13:05	7°♁01'30	4°52'51	min. Earth dist.	1730 Jul 08 18:21	20°♁47'07	0.57131 AU
morning rise	1729 Aug 07 06:00	2°♁36'37		inferior conj	1730 Jul 11 15:45	18°♁53'58	-4°-50'-50
direct	1729 Aug 09 16:48	2°♁16'15		minimum elong	1730 Jul 11 12:57	18°♁58'32	4°50'39
morning max el	1729 Aug 17 15:10	6°♁04'19	18°29'04	morning rise	1730 Jul 19 20:41	14°♁47'04	
asc. node	1729 Aug 20 16:33	9°♁29'29		direct	1730 Jul 22 11:08	14°♁28'02	
	1729 Sep 01 20:05	0°♁		morning max el	1730 Jul 31 15:04	18°♁44'22	19°18'48
morning set	1729 Sep 02 17:05	1°♁40'49		asc. node	1730 Aug 07 13:35	27°♁28'03	
					1730 Aug 09 03:21	0°♁	
superior conj	1729 Sep 11 17:24	18°♁51'14	1°35'33	morning set	1730 Aug 17 16:48	15°♁59'33	
minimum elong	1729 Sep 11 20:22	19°♁05'01	1°35'20		1730 Aug 24 17:28	0°♁	
	1729 Sep 17 21:30	0°♁					
max. Earth dist.	1729 Sep 19 03:04	2°♁09'04	1.40160 AU	superior conj	1730 Aug 25 21:25	2°♁16'47	1°44'43
evening rise	1729 Sep 23 11:48	9°♁34'16		minimum elong	1730 Aug 25 22:27	2°♁21'47	1°44'41
desc. node	1729 Sep 28 03:59	17°♁11'48		max. Earth dist.	1730 Sep 01 06:39	14°♁21'16	1.38106 AU
	1729 Oct 06 11:16	0°♁		evening rise	1730 Sep 05 02:14	21°♁11'47	
evening max el	1729 Oct 28 06:00	28°♁21'00	23°41'07		1730 Sep 10 06:02	0°♁	
	1729 Oct 29 23:35	0°♁		desc. node	1730 Sep 15 00:59	7°♁44'35	
retrograde	1729 Nov 07 23:01	4°♁40'03			1730 Sep 30 10:56	0°♁	
evening set	1729 Nov 13 00:30	2°♁34'52		evening max el	1730 Oct 10 18:01	11°♁58'23	24°58'48
	1729 Nov 15 12:37	30°♁		retrograde	1730 Oct 22 11:52	18°♁47'29	
asc. node	1729 Nov 16 15:48	28°♁34'44		evening set	1730 Oct 28 03:40	16°♁25'45	
min. Earth dist.	1729 Nov 17 22:30	26°♁52'00	0.67728 AU	min. Earth dist.	1730 Nov 01 17:16	11°♁17'18	0.67322 AU
inferior conj	1729 Nov 18 10:57	26°♁09'31	0°36'54	inferior conj	1730 Nov 02 16:21	10°♁01'21	0°-17'-39
minimum elong	1729 Nov 18 10:05	26°♁12'28	0°36'33	minimum elong	1730 Nov 02 16:47	9°♁59'54	0°17'28
morning rise	1729 Nov 23 19:51	20°♁00'40		asc. node	1730 Nov 03 12:49	8°♁54'28	
direct	1729 Nov 27 20:31	18°♁29'28		morning rise	1730 Nov 08 06:28	3°♁59'11	

direct	1730 Nov 11 18:34	2°♄48'23			1731 Oct 12 07:06	30°♁	
morning max el	1730 Nov 19 04:58	7°♄01'58	19°46'49	min. Earth dist.	1731 Oct 16 07:54	25°♁38'37	0.66582 AU
greatest brilliancy	1730 Nov 26 23:25	16°♄38'56	-0.6m	inferior conj	1731 Oct 17 18:08	23°♁52'06	-1°-14'-52
	1730 Dec 06 01:47	0°♁		minimum elong	1731 Oct 17 20:06	23°♁45'59	1°14'03
desc. node	1730 Dec 12 00:16	9°♁03'39		asc. node	1731 Oct 21 09:50	19°♁42'54	
morning set	1730 Dec 14 19:22	13°♁22'08		morning rise	1731 Oct 23 15:17	17°♁59'22	
	1730 Dec 25 10:50	0°♁		direct	1731 Oct 26 17:00	17°♁05'23	
max. Earth dist.	1730 Dec 26 19:25	2°♁09'15	1.44214 AU	morning max el	1731 Nov 02 13:21	20°♁54'00	18°53'02
					1731 Nov 09 18:02	0°♄	
superior conj	1730 Dec 31 11:54	9°♁40'01	-1°-48'-13	morning set	1731 Nov 24 06:41	22°♄23'17	
minimum elong	1730 Dec 31 04:45	9°♁11'07	1°47'42	desc. node	1731 Nov 28 21:17	29°♄38'01	
	1731 Jan 12 18:26	0°♁			1731 Nov 29 02:53	0°♁	
evening rise	1731 Jan 14 02:07	2°♁14'18		max. Earth dist.	1731 Dec 09 11:49	16°♁16'57	1.45009 AU
asc. node	1731 Jan 30 12:08	28°♁16'23					
	1731 Feb 01 00:32	0°♁		superior conj	1731 Dec 10 19:05	18°♁19'52	-1°-14'-6
evening max el	1731 Feb 01 10:40	0°♁26'10	18°16'05	minimum elong	1731 Dec 10 10:38	17°♁46'37	1°13'11
retrograde	1731 Feb 07 21:52	3°♁54'30			1731 Dec 18 04:01	0°♁	
evening set	1731 Feb 10 18:56	3°♁10'38		evening rise	1731 Dec 26 04:07	12°♁51'30	
	1731 Feb 14 20:08	30°♁			1732 Jan 05 19:32	0°♁	
inferior conj	1731 Feb 16 21:30	27°♁47'49	3°44'10	evening max el	1732 Jan 15 22:05	13°♁51'09	18°43'08
minimum elong	1731 Feb 16 21:05	27°♁49'00	3°44'09	asc. node	1732 Jan 17 09:09	15°♁13'24	
min. Earth dist.	1731 Feb 19 09:20	25°♁02'26	0.63477 AU	retrograde	1732 Jan 22 14:27	17°♁34'54	
morning rise	1731 Feb 22 21:24	21°♁43'00		evening set	1732 Jan 25 17:13	16°♁39'42	
direct	1731 Mar 01 19:39	18°♁58'39		inferior conj	1732 Jan 31 12:12	10°♁58'53	3°33'07
desc. node	1731 Mar 09 23:29	22°♁03'02		minimum elong	1732 Jan 31 10:24	11°♁04'20	3°32'53
morning max el	1731 Mar 15 15:25	26°♁53'50	27°41'32	min. Earth dist.	1732 Feb 02 08:32	8°♁44'20	0.65123 AU
	1731 Mar 18 13:36	0°♁		morning rise	1732 Feb 06 02:25	4°♁48'11	
	1731 Apr 08 10:20	0°♁		direct	1732 Feb 12 18:42	1°♁57'12	
morning set	1731 Apr 19 04:04	19°♁55'02		desc. node	1732 Feb 24 20:30	8°♁33'15	
	1731 Apr 24 01:59	0°♁		morning max el	1732 Feb 26 01:00	9°♁42'55	27°02'04
max. Earth dist.	1731 Apr 24 10:09	0°♁43'00	1.33011 AU		1732 Mar 13 00:04	0°♁	
					1732 Mar 30 20:25	0°♁	
superior conj	1731 Apr 26 23:08	6°♁07'57	0°-15'-52	morning set	1732 Apr 01 16:23	3°♁29'27	
minimum elong	1731 Apr 26 23:55	6°♁12'08	0°15'43	max. Earth dist.	1732 Apr 06 05:21	12°♁28'12	1.34064 AU
behind sun begin	1731 Apr 26 23:05	6°♁07'36					
behind sun end	1731 Apr 27 00:46	6°♁16'39		superior conj	1732 Apr 10 01:43	20°♁24'21	0°-43'-41
asc. node	1731 Apr 28 11:25	9°♁23'17		minimum elong	1732 Apr 10 03:54	20°♁35'50	0°43'15
evening rise	1731 May 04 01:54	21°♁25'30		asc. node	1732 Apr 14 08:27	29°♁26'42	
	1731 May 08 06:07	0°♁			1732 Apr 14 14:44	0°♁	
evening max el	1731 May 26 21:01	28°♁03'33	23°09'31	evening rise	1732 Apr 17 12:14	6°♁05'54	
	1731 May 29 00:55	0°♁			1732 Apr 30 13:36	0°♁	
desc. node	1731 Jun 05 22:42	4°♁20'32		evening max el	1732 May 07 16:06	8°♁42'03	21°36'21
retrograde	1731 Jun 09 08:25	4°♁46'57		retrograde	1732 May 19 23:48	14°♁44'01	
evening set	1731 Jun 12 23:41	4°♁17'57		evening set	1732 May 22 11:35	14°♁30'01	
min. Earth dist.	1731 Jun 20 06:34	1°♁00'37	0.55644 AU	desc. node	1732 May 22 19:44	14°♁26'01	
inferior conj	1731 Jun 22 01:01	29°♁58'34	-4°-5'-17	inferior conj	1732 May 31 20:51	10°♁29'01	-2°-33'-10
minimum elong	1731 Jun 21 17:45	0°♁09'14	4°03'45	minimum elong	1732 May 31 14:04	10°♁38'31	2°30'57
	1731 Jun 22 00:02	30°♁		min. Earth dist.	1732 May 31 18:40	10°♁32'04	0.54944 AU
morning rise	1731 Jun 30 14:55	26°♁05'14		morning rise	1732 Jun 09 17:16	6°♁33'14	
direct	1731 Jul 03 10:27	25°♁46'15		direct	1732 Jun 12 21:50	6°♁10'57	
	1731 Jul 13 08:11	0°♁		morning max el	1732 Jun 25 06:01	12°♁00'25	21°58'56
morning max el	1731 Jul 14 04:14	0°♁44'40	20°29'34		1732 Jul 08 10:02	0°♁	
asc. node	1731 Jul 25 10:37	16°♁09'00		asc. node	1732 Jul 11 07:40	5°♁21'16	
	1731 Aug 01 15:19	0°♁		morning set	1732 Jul 16 08:10	15°♁26'28	
morning set	1731 Aug 01 22:35	0°♁37'10			1732 Jul 23 05:33	0°♁	
superior conj	1731 Aug 09 13:53	16°♁20'15	1°45'13	superior conj	1732 Jul 23 14:55	0°♁49'18	1°38'44
minimum elong	1731 Aug 09 13:15	16°♁17'02	1°45'12	minimum elong	1732 Jul 23 13:09	0°♁40'01	1°38'37
max. Earth dist.	1731 Aug 14 13:00	26°♁12'05	1.36212 AU	max. Earth dist.	1732 Jul 27 03:33	8°♁07'51	1.34638 AU
	1731 Aug 16 12:36	0°♁		evening rise	1732 Jul 31 18:13	17°♁17'41	
evening rise	1731 Aug 18 13:58	3°♁50'47			1732 Aug 07 15:41	0°♁	
desc. node	1731 Sep 01 22:01	28°♁03'34		desc. node	1732 Aug 27 19:03	18°♁01'20	
	1731 Sep 03 04:33	0°♁			1732 Aug 18 12:36	0°♁	
evening max el	1731 Sep 23 05:54	25°♁37'43	26°06'50	evening max el	1732 Sep 04 18:14	9°♁11'46	26°57'33
	1731 Sep 28 11:10	0°♁		retrograde	1732 Sep 17 22:38	16°♁28'30	
retrograde	1731 Oct 05 20:00	2°♁46'04		evening set	1732 Sep 24 17:05	13°♁46'08	
evening set	1731 Oct 12 01:56	0°♁11'02		min. Earth dist.	1732 Sep 28 15:59	9°♁50'40	0.65494 AU

inferior conj	1732 Sep 30 14:16	7°♁37'20	-2°-13'-2	inferior conj	1733 Sep 14 02:17	21°♎11'48	-3°-9'-38
minimum elong	1732 Sep 30 17:47	7°♁27'09	2°11'42	minimum elong	1733 Sep 14 07:06	20°♎59'10	3°08'05
morning rise	1732 Oct 06 20:01	1°♁57'11		morning rise	1733 Sep 20 17:57	15°♎47'50	
asc. node	1732 Oct 07 06:52	1°♁44'51		direct	1733 Sep 23 06:13	15°♎16'10	
direct	1732 Oct 09 13:43	1°♁16'10		asc. node	1733 Sep 24 03:56	15°♎20'21	
morning max el	1732 Oct 16 02:50	4°♁49'13	18°15'36	morning max el	1733 Sep 29 18:49	18°♎42'04	17°55'21
	1732 Nov 02 04:43	0°♁			1733 Oct 08 01:30	0°♁	
morning set	1732 Nov 03 22:27	2°♁50'35		morning set	1733 Oct 16 17:35	14°♁37'25	
desc. node	1732 Nov 14 18:20	20°♁20'10			1733 Oct 25 20:01	0°♁	
superior conj	1732 Nov 18 21:05	26°♁51'48	0°-27'-16	superior conj	1733 Oct 29 14:55	6°♁13'22	0°20'17
minimum elong	1732 Nov 18 17:33	26°♁37'51	0°26'48	minimum elong	1733 Oct 29 17:09	6°♁22'29	0°19'59
	1732 Nov 20 20:50	0°♁		desc. node	1733 Nov 01 15:22	11°♁06'20	
max. Earth dist.	1732 Nov 21 06:55	0°♁39'39	1.45071 AU	max. Earth dist.	1733 Nov 04 01:20	14°♁58'03	1.44401 AU
evening rise	1732 Dec 05 07:10	22°♁34'14			1733 Nov 13 15:47	0°♁	
	1732 Dec 10 01:31	0°♁		evening rise	1733 Nov 14 18:00	1°♁41'03	
greatest brilliancy	1732 Dec 20 15:46	16°♁11'11	-0.7m		1733 Dec 03 17:46	0°♁	
evening max el	1732 Dec 29 06:12	27°♁20'11	19°27'07	greatest brilliancy	1733 Dec 06 05:36	3°♁24'48	-0.5m
	1733 Jan 01 07:56	0°♁		evening max el	1733 Dec 12 09:17	10°♁49'53	20°26'01
asc. node	1733 Jan 03 06:10	1°♁02'37		retrograde	1733 Dec 20 08:52	15°♁32'07	
retrograde	1733 Jan 05 10:58	1°♁29'09		asc. node	1733 Dec 21 03:13	15°♁28'50	
evening set	1733 Jan 08 20:47	0°♁21'10		evening set	1733 Dec 24 03:24	14°♁09'48	
	1733 Jan 09 08:43	30°♁		inferior conj	1733 Dec 29 14:16	8°♁00'27	2°35'30
inferior conj	1733 Jan 14 10:41	24°♁24'40	3°09'13	minimum elong	1733 Dec 29 11:38	8°♁09'23	2°34'44
minimum elong	1733 Jan 14 08:10	24°♁32'48	3°08'40	min. Earth dist.	1733 Dec 30 06:28	7°♁05'28	0.67217 AU
min. Earth dist.	1733 Jan 15 16:10	22°♁48'51	0.66372 AU	morning rise	1734 Jan 03 19:23	1°♁45'16	
morning rise	1733 Jan 19 18:49	18°♁10'47			1734 Jan 06 08:31	30°♁	
direct	1733 Jan 25 23:44	15°♁26'32		direct	1734 Jan 09 09:59	29°♁17'12	
morning max el	1733 Feb 07 10:19	22°♁49'25	25°56'35		1734 Jan 12 17:06	0°♁	
desc. node	1733 Feb 10 17:33	26°♁22'35		morning max el	1734 Jan 20 18:50	6°♁04'00	24°34'36
	1733 Feb 13 18:44	0°♁		desc. node	1734 Jan 28 14:36	15°♁07'28	
	1733 Mar 06 07:25	0°♁			1734 Feb 08 08:12	0°♁	
morning set	1733 Mar 15 14:56	16°♁18'50		morning set	1734 Feb 25 18:14	28°♁07'20	
max. Earth dist.	1733 Mar 19 13:02	23°♁42'29	1.35581 AU		1734 Feb 26 19:45	0°♁	
	1733 Mar 22 18:10	0°♁		max. Earth dist.	1734 Mar 01 11:16	4°♁45'32	1.37493 AU
superior conj	1733 Mar 24 20:49	4°♁13'55	-1°-10'-56	superior conj	1734 Mar 08 05:10	17°♁27'00	-1°-35'-34
minimum elong	1733 Mar 25 00:18	4°♁31'34	1°10'21	minimum elong	1734 Mar 08 09:23	17°♁47'27	1°35'04
asc. node	1733 Apr 01 05:30	19°♁20'41			1734 Mar 14 13:41	0°♁	
evening rise	1733 Apr 01 19:12	20°♁30'50		evening rise	1734 Mar 16 20:23	4°♁32'44	
	1733 Apr 06 13:41	0°♁		asc. node	1734 Mar 19 02:33	8°♁59'53	
evening max el	1733 Apr 19 21:44	19°♁51'52	20°16'06		1734 Apr 01 00:26	0°♁	
retrograde	1733 Apr 30 13:23	25°♁01'04		evening max el	1734 Apr 02 14:49	1°♁40'36	19°14'18
evening set	1733 May 02 14:45	24°♁50'22		retrograde	1734 Apr 11 14:26	6°♁01'21	
desc. node	1733 May 09 16:45	22°♁01'01		evening set	1734 Apr 13 17:02	5°♁48'01	
inferior conj	1733 May 11 16:22	20°♁52'06	0°-34'-39	inferior conj	1734 Apr 22 01:22	1°♁37'50	1°16'05
minimum elong	1733 May 11 14:45	20°♁54'30	0°34'04	minimum elong	1734 Apr 22 04:18	1°♁32'55	1°15'06
min. Earth dist.	1733 May 13 07:40	19°♁54'17	0.55200 AU		1734 Apr 24 11:47	30°♁	
morning rise	1733 May 20 12:35	16°♁35'07		min. Earth dist.	1734 Apr 24 22:35	29°♁42'24	0.56354 AU
direct	1733 May 24 09:53	16°♁02'20		desc. node	1734 Apr 26 13:48	28°♁41'33	
morning max el	1733 Jun 06 23:15	22°♁40'24	23°39'43	morning rise	1734 Apr 30 11:32	26°♁47'11	
	1733 Jun 13 10:42	0°♁		direct	1734 May 05 08:44	25°♁52'10	
asc. node	1733 Jun 28 04:45	24°♁56'47			1734 May 15 22:09	0°♁	
	1733 Jun 30 15:29	0°♁		morning max el	1734 May 19 13:45	3°♁07'30	25°19'11
morning set	1733 Jun 30 19:42	0°♁22'14			1734 Jun 07 14:04	0°♁	
superior conj	1733 Jul 07 21:41	15°♁35'12	1°26'38	morning set	1734 Jun 15 07:34	15°♁18'50	
minimum elong	1733 Jul 07 19:21	15°♁22'37	1°26'21	asc. node	1734 Jun 15 01:50	14°♁48'40	
max. Earth dist.	1733 Jul 10 03:33	20°♁23'19	1.33452 AU		1734 Jun 22 02:18	0°♁	
	1733 Jul 14 18:40	0°♁		superior conj	1734 Jun 22 07:53	0°♁30'33	1°09'55
evening rise	1733 Jul 15 10:38	1°♁20'21		minimum elong	1734 Jun 22 05:30	0°♁17'33	1°09'32
	1733 Jul 31 14:13	0°♁		max. Earth dist.	1734 Jun 23 11:00	2°♁58'33	1.32657 AU
desc. node	1733 Aug 05 16:04	7°♁28'59		evening rise	1734 Jun 29 11:39	15°♁48'02	
evening max el	1733 Aug 18 05:48	22°♁29'06	27°23'41		1734 Jul 06 18:20	0°♁	
retrograde	1733 Aug 31 19:17	29°♁47'00		desc. node	1734 Jul 23 13:05	26°♁14'08	
evening set	1733 Sep 07 22:20	27°♁06'19			1734 Jul 26 14:53	0°♁	
min. Earth dist.	1733 Sep 11 15:13	23°♁46'11	0.64051 AU	evening max el	1734 Jul 31 14:18	5°♁16'36	27°19'31

retrograde	1734 Aug 14 09:33	12°♄32'47		evening max el	1735 Jul 13 17:11	17°♁22'02	26°42'17
evening set	1734 Aug 21 14:08	10°♄05'55		retrograde	1735 Jul 27 16:23	24°♁35'43	
min. Earth dist.	1734 Aug 25 04:10	7°♄14'22	0.62275 AU	evening set	1735 Aug 03 11:52	22°♁36'30	
inferior conj	1734 Aug 28 03:17	4°♄28'54	-4°00'-42	min. Earth dist.	1735 Aug 07 06:55	19°♁59'48	0.60261 AU
minimum elong	1734 Aug 28 08:33	4°♄16'36	3°59'26	inferior conj	1735 Aug 10 13:44	17°♁19'05	-4°-39'-46
	1734 Sep 02 21:09	30°♁		minimum elong	1735 Aug 10 17:44	17°♁10'53	4°39'14
morning rise	1734 Sep 04 05:39	29°♁24'33		morning rise	1735 Aug 18 02:54	12°♁36'59	
direct	1734 Sep 06 15:05	28°♁59'13		direct	1735 Aug 20 12:16	12°♁15'29	
	1734 Sep 10 06:41	0°♄		morning max el	1735 Aug 27 22:22	15°♁53'06	18°10'05
asc. node	1734 Sep 11 01:01	0°♄27'51		asc. node	1735 Aug 28 22:05	16°♁53'40	
morning max el	1734 Sep 13 10:24	2°♄26'22	17°53'08		1735 Sep 06 19:06	0°♄	
morning set	1734 Sep 29 10:10	27°♄25'48		morning set	1735 Sep 12 18:16	10°♄58'33	
	1734 Sep 30 20:29	0°♁					
				superior conj	1735 Sep 22 09:38	28°♄51'10	1°25'35
superior conj	1734 Oct 10 11:24	16°♁54'28	0°59'00	minimum elong	1735 Sep 22 13:36	29°♄09'00	1°25'12
minimum elong	1734 Oct 10 15:59	17°♁13'59	0°58'25		1735 Sep 23 00:58	0°♁	
max. Earth dist.	1734 Oct 17 15:54	28°♁53'27	1.43091 AU	max. Earth dist.	1735 Sep 30 00:40	12°♁09'39	1.41309 AU
	1734 Oct 18 08:16	0°♄		evening rise	1735 Oct 05 05:01	20°♁43'51	
desc. node	1734 Oct 19 12:23	1°♄53'38		desc. node	1735 Oct 06 09:25	22°♁38'22	
evening rise	1734 Oct 25 03:52	10°♄50'32			1735 Oct 11 01:24	0°♄	
	1734 Nov 06 19:40	0°♄			1735 Nov 01 02:34	0°♄	
greatest brilliancy	1734 Nov 20 09:05	18°♄43'34	-0.4m	greatest brilliancy	1735 Nov 02 17:02	1°♄59'02	-0.2m
evening max el	1734 Nov 25 06:38	24°♄20'04	21°36'46	evening max el	1735 Nov 07 22:55	7°♄52'01	22°55'02
retrograde	1734 Dec 04 06:06	29°♄40'37		retrograde	1735 Nov 18 00:58	13°♄51'14	
evening set	1734 Dec 08 11:11	28°♄02'29		evening set	1735 Nov 22 18:27	11°♄56'12	
asc. node	1734 Dec 08 00:16	28°♄22'48		asc. node	1735 Nov 24 21:18	9°♄49'25	
inferior conj	1734 Dec 13 20:45	21°♄43'45	1°54'06	inferior conj	1735 Nov 28 04:12	5°♄32'02	1°06'34
minimum elong	1734 Dec 13 18:29	21°♄51'36	1°53'18	minimum elong	1735 Nov 28 02:43	5°♄37'09	1°05'58
min. Earth dist.	1734 Dec 14 01:10	21°♄28'29	0.67686 AU	min. Earth dist.	1735 Nov 27 21:50	5°♄53'59	0.67807 AU
morning rise	1734 Dec 19 01:31	15°♄29'08			1735 Dec 02 16:41	30°♄	
direct	1734 Dec 24 00:52	13°♄22'20		morning rise	1735 Dec 03 10:57	29°♄20'09	
morning max el	1735 Jan 03 04:14	19°♄23'41	23°06'11	direct	1735 Dec 07 19:32	27°♄36'07	
greatest brilliancy	1735 Jan 08 01:47	24°♄52'24	-0.3m		1735 Dec 13 13:27	0°♄	
	1735 Jan 12 02:57	0°♁		morning max el	1735 Dec 16 17:43	2°♄50'06	21°40'33
desc. node	1735 Jan 15 11:38	4°♁32'03		greatest brilliancy	1735 Dec 21 15:15	8°♄23'17	-0.4m
	1735 Feb 01 12:47	0°♄		desc. node	1736 Jan 02 08:40	24°♄24'59	
morning set	1735 Feb 06 20:01	8°♄39'05			1736 Jan 06 03:36	0°♁	
max. Earth dist.	1735 Feb 11 06:19	16°♄10'11	1.39624 AU	morning set	1736 Jan 17 16:35	17°♁47'05	
				max. Earth dist.	1736 Jan 24 05:23	28°♁23'33	1.41703 AU
superior conj	1735 Feb 18 22:37	29°♄53'12	-1°-54'-41		1736 Jan 25 04:35	0°♄	
minimum elong	1735 Feb 19 02:16	0°♄10'02	1°54'28	superior conj	1736 Jan 31 20:06	11°♄20'33	-2°-4'-16
	1735 Feb 19 00:05	0°♄		minimum elong	1736 Jan 31 20:58	11°♄24'20	2°04'17
evening rise	1735 Feb 28 12:55	18°♄04'07			1736 Feb 11 04:53	0°♄	
asc. node	1735 Mar 05 23:36	28°♄18'50		evening rise	1736 Feb 11 17:13	0°♄56'41	
	1735 Mar 06 22:06	0°♄		asc. node	1736 Feb 20 20:38	17°♄10'49	
evening max el	1735 Mar 16 17:26	14°♄05'13	18°32'38	evening max el	1736 Feb 28 02:27	26°♄57'26	18°11'02
retrograde	1735 Mar 24 09:45	17°♄51'14			1736 Mar 03 14:24	0°♄	
evening set	1735 Mar 26 17:35	17°♄31'37		retrograde	1736 Mar 05 22:59	0°♄24'57	
inferior conj	1735 Apr 03 07:01	13°♄02'30	2°36'44		1736 Mar 08 08:37	30°♄	
minimum elong	1735 Apr 03 11:02	12°♄54'35	2°35'44	evening set	1736 Mar 08 12:17	29°♄56'47	
min. Earth dist.	1735 Apr 06 17:02	10°♄22'52	0.58163 AU	inferior conj	1736 Mar 15 09:19	25°♄06'25	3°23'47
morning rise	1735 Apr 11 00:14	7°♄39'45		minimum elong	1736 Mar 15 11:59	25°♄00'19	3°23'23
desc. node	1735 Apr 13 10:50	6°♄41'39		min. Earth dist.	1736 Mar 18 17:09	22°♄05'50	0.60279 AU
direct	1735 Apr 16 21:57	6°♄10'49		morning rise	1736 Mar 22 08:21	19°♄21'11	
morning max el	1735 May 01 07:08	13°♄49'32	26°41'31	direct	1736 Mar 28 23:35	17°♄15'43	
	1735 May 14 03:40	0°♄		desc. node	1736 Mar 30 07:52	17°♄20'42	
	1735 May 30 16:04	0°♄		morning max el	1736 Apr 12 06:18	25°♄06'27	27°33'43
morning set	1735 May 30 18:01	0°♄10'13			1736 Apr 16 18:21	0°♄	
asc. node	1735 Jun 01 22:52	4°♄51'05			1736 May 06 11:30	0°♄	
				morning set	1736 May 14 01:21	14°♄50'32	
superior conj	1735 Jun 06 19:35	15°♄28'22	0°49'25	asc. node	1736 May 18 19:54	24°♄59'37	
minimum elong	1735 Jun 06 17:37	15°♄17'36	0°49'01	max. Earth dist.	1736 May 20 10:34	28°♄30'34	1.32237 AU
max. Earth dist.	1735 Jun 06 22:32	15°♄44'40	1.32253 AU		1736 May 21 02:53	0°♄	
	1735 Jun 13 12:27	0°♄					
evening rise	1735 Jun 13 18:26	0°♄31'25		superior conj	1736 May 21 07:04	0°♄22'56	0°25'49
	1735 Jun 29 21:35	0°♄		minimum elong	1736 May 21 05:55	0°♄16'41	0°25'34
desc. node	1735 Jul 10 10:08	13°♄58'24					

evening rise	1736 May 28 04:43	15°♊23'11		superior conj	1737 May 05 16:33	15°♊07'02	0°00'-9
	1736 Jun 04 12:03	0°♋		minimum elong	1737 May 05 16:34	15°♊07'05	0°00'10
evening max el	1736 Jun 24 13:10	28°♋41'29	25°34'15	behind sun begin	1737 May 05 11:25	14°♊39'06	
	1736 Jun 25 23:28	0°♌		behind sun end	1737 May 05 21:43	15°♊35'05	
desc. node	1736 Jun 26 07:08	0°♌16'37		asc. node	1737 May 05 16:56	15°♊09'04	
retrograde	1736 Jul 08 13:44	5°♌50'22		evening rise	1737 May 12 16:27	0°♊15'16	
evening set	1736 Jul 14 11:01	4°♌28'53			1737 May 12 13:34	0°♊	
min. Earth dist.	1736 Jul 19 01:21	1°♌48'54	0.58215 AU		1737 May 29 06:04	0°♋	
	1736 Jul 21 15:06	30°♋		evening max el	1737 Jun 06 03:43	9°♋22'59	24°04'50
inferior conj	1736 Jul 22 06:11	29°♋33'01	-4°-56'-36	desc. node	1737 Jun 13 04:09	14°♋35'14	
minimum elong	1736 Jul 22 06:27	29°♋32'32	4°56'37	retrograde	1737 Jun 19 23:01	16°♋19'36	
morning rise	1736 Jul 30 05:32	25°♋13'39		evening set	1737 Jun 24 11:03	15°♋34'46	
direct	1736 Aug 01 17:31	24°♋54'04		min. Earth dist.	1737 Jun 30 14:32	12°♋35'02	0.56430 AU
morning max el	1736 Aug 10 03:30	28°♋53'00	18°47'29	inferior conj	1737 Jul 03 02:24	11°♋02'27	-4°-37'-27
	1736 Aug 11 06:12	0°♌		minimum elong	1737 Jul 02 21:22	11°♋10'16	4°36'48
asc. node	1736 Aug 14 19:07	4°♌22'37		morning rise	1737 Jul 11 11:14	7°♋02'27	
morning set	1736 Aug 26 13:20	25°♌03'27		direct	1737 Jul 14 03:50	6°♋43'30	
	1736 Aug 29 01:53	0°♍		morning max el	1737 Jul 23 22:54	11°♋16'09	19°46'18
				asc. node	1737 Aug 01 16:09	22°♋40'21	
					1737 Aug 05 19:23	0°♌	
superior conj	1736 Sep 04 04:23	11°♍48'42	1°40'36	morning set	1737 Aug 10 15:58	9°♌31'04	
minimum elong	1736 Sep 04 06:32	11°♍58'51	1°40'29				
max. Earth dist.	1736 Sep 11 05:06	24°♍43'14	1.39289 AU	superior conj	1737 Aug 18 14:13	25°♌31'32	1°45'52
	1736 Sep 14 05:39	0°♎		minimum elong	1737 Aug 18 14:29	25°♌32'51	1°45'52
evening rise	1736 Sep 15 05:46	1°♎43'13			1737 Aug 20 20:49	0°♍	
desc. node	1736 Sep 22 06:26	13°♎16'49		max. Earth dist.	1737 Aug 24 09:32	6°♍44'48	1.37279 AU
	1736 Oct 03 08:33	0°♏		evening rise	1737 Aug 28 05:49	13°♍48'09	
evening max el	1736 Oct 20 12:03	21°♏27'59	24°14'53		1737 Sep 06 18:44	0°♎	
retrograde	1736 Oct 31 16:10	28°♏00'46		desc. node	1737 Sep 09 03:28	3°♎44'28	
evening set	1736 Nov 05 23:34	25°♏48'38			1737 Sep 28 05:20	0°♏	
min. Earth dist.	1736 Nov 10 18:00	20°♏19'57	0.67598 AU	evening max el	1737 Oct 03 00:04	5°♏07'29	25°29'23
asc. node	1736 Nov 10 18:20	20°♏18'49		retrograde	1737 Oct 15 02:55	12°♏05'15	
inferior conj	1736 Nov 11 10:50	19°♏23'13	0°14'12	evening set	1737 Oct 21 00:54	9°♏37'26	
minimum elong	1736 Nov 11 10:30	19°♏24'23	0°14'03	min. Earth dist.	1737 Oct 25 11:16	4°♏44'11	0.67055 AU
transit begin	1736 Nov 11 09:07	19°♏29'00		inferior conj	1737 Oct 26 14:57	3°♏15'06	0°-41'-39
transit end	1736 Nov 11 11:52	19°♏19'45		minimum elong	1737 Oct 26 16:01	3°♏11'40	0°41'13
morning rise	1736 Nov 16 21:42	13°♏16'37		asc. node	1737 Oct 28 15:21	0°♏44'05	
direct	1736 Nov 20 16:51	11°♏54'17			1737 Oct 29 06:42	30°♏	
morning max el	1736 Nov 28 14:17	16°♏26'48	20°24'27	morning rise	1737 Nov 01 07:51	27°♏16'36	
greatest brilliancy	1736 Dec 04 23:39	24°♏03'06	-0.5m	direct	1737 Nov 04 15:22	26°♏13'15	
	1736 Dec 09 07:18	0°♐			1737 Nov 11 12:54	0°♏	
desc. node	1736 Dec 19 05:41	14°♐38'19		morning max el	1737 Nov 11 18:44	0°♏14'32	19°22'01
morning set	1736 Dec 26 15:20	25°♐57'58		greatest brilliancy	1737 Nov 21 03:34	12°♏17'32	-0.7m
	1736 Dec 29 05:33	0°♑			1737 Dec 02 19:35	0°♐	
max. Earth dist.	1737 Jan 05 12:29	11°♑33'07	1.43455 AU	morning set	1737 Dec 05 15:22	4°♐22'35	
				desc. node	1737 Dec 06 02:43	5°♐06'35	
superior conj	1737 Jan 11 16:35	21°♑37'34	-1°-59'-21	max. Earth dist.	1737 Dec 19 02:55	25°♐27'20	1.44643 AU
minimum elong	1737 Jan 11 12:22	21°♑20'05	1°59'11		1737 Dec 21 23:41	0°♑	
	1737 Jan 16 16:17	0°♒		superior conj	1737 Dec 22 11:10	0°♑45'43	-1°-35'-53
evening rise	1737 Jan 24 05:06	13°♒01'18		minimum elong	1737 Dec 22 02:39	0°♑11'48	1°35'08
	1737 Feb 03 02:59	0°♓		evening rise	1738 Jan 05 20:28	24°♑12'07	
asc. node	1737 Feb 06 17:39	5°♓26'36			1738 Jan 09 08:03	0°♒	
evening max el	1737 Feb 10 14:33	10°♓07'11	18°08'51	asc. node	1738 Jan 24 14:40	22°♒56'03	
retrograde	1737 Feb 17 02:15	13°♓31'13		evening max el	1738 Jan 25 02:55	23°♒28'01	18°25'24
evening set	1737 Feb 19 20:34	12°♓53'12		retrograde	1738 Jan 31 15:14	27°♒01'28	
inferior conj	1737 Feb 26 04:50	7°♓41'45	3°42'59	evening set	1738 Feb 03 14:41	26°♒12'46	
minimum elong	1737 Feb 26 05:29	7°♓40'05	3°42'57	inferior conj	1738 Feb 09 13:38	20°♒41'46	3°41'18
min. Earth dist.	1737 Mar 01 01:09	4°♓45'08	0.62377 AU	minimum elong	1738 Feb 09 12:33	20°♒44'54	3°41'13
morning rise	1737 Mar 04 12:07	1°♓42'34		min. Earth dist.	1738 Feb 11 18:46	18°♒08'28	0.64224 AU
	1737 Mar 07 10:05	30°♒		morning rise	1738 Feb 15 08:58	14°♒34'10	
direct	1737 Mar 11 10:37	29°♒08'44		direct	1738 Feb 22 05:27	11°♒45'34	
	1737 Mar 15 16:23	0°♓		desc. node	1738 Mar 04 01:55	16°♒12'09	
desc. node	1737 Mar 17 04:53	0°♓41'02		morning max el	1738 Mar 07 20:06	19°♒37'22	27°28'34
morning max el	1737 Mar 25 11:15	7°♓03'40	27°49'20		1738 Mar 16 16:59	0°♓	
	1737 Apr 11 22:49	0°♔			1738 Apr 04 22:36	0°♔	
morning set	1737 Apr 28 03:27	29°♔11'40		morning set	1738 Apr 11 21:44	13°♔05'43	
	1737 Apr 28 12:58	0°♕					
max. Earth dist.	1737 May 03 19:14	11°♕02'09	1.32613 AU				

max. Earth dist.	1738 Apr 16 20:34	23°♁07'17	1.33408 AU	max. Earth dist.	1739 Mar 30 11:08	4°♁38'45	1.34652 AU
superior conj	1738 Apr 19 22:15	29°♁34'59	0°-27'-38	superior conj	1739 Apr 03 21:58	13°♁40'19	0°-55'-25
minimum elong	1738 Apr 19 23:37	29°♁42'17	0°27'21	minimum elong	1739 Apr 04 00:44	13°♁54'41	0°54'55
	1738 Apr 20 02:57	0°♁		asc. node	1739 Apr 09 11:02	25°♁15'18	
asc. node	1738 Apr 22 13:58	5°♁15'38		evening rise	1739 Apr 11 13:02	29°♁35'49	
evening rise	1738 Apr 27 03:51	15°♁01'33			1739 Apr 11 17:42	0°♁	
	1738 May 04 17:16	0°♁			1739 Apr 30 01:10	0°♁	
evening max el	1738 May 18 18:47	19°♁52'26	22°28'48	evening max el	1739 Apr 30 17:48	0°♁41'28	21°00'11
desc. node	1738 May 31 01:10	26°♁19'10		retrograde	1739 May 12 09:42	6°♁22'17	
retrograde	1738 May 31 20:04	26°♁20'34		evening set	1739 May 14 14:49	6°♁10'45	
evening set	1738 Jun 03 22:06	25°♁59'36		desc. node	1739 May 17 22:11	5°♁14'27	
min. Earth dist.	1738 Jun 12 02:03	22°♁26'58	0.55241 AU	inferior conj	1739 May 23 22:30	2°♁12'42	-1°-44'-7
inferior conj	1738 Jun 13 04:38	21°♁49'17	-3°-31'-18	minimum elong	1739 May 23 17:37	2°♁19'37	1°42'25
minimum elong	1738 Jun 12 20:48	22°♁00'25	3°29'12	min. Earth dist.	1739 May 24 14:31	1°♁50'01	0.54924 AU
morning rise	1738 Jun 21 21:52	17°♁57'39			1739 May 28 00:11	30°♁	
direct	1738 Jun 24 20:42	17°♁37'49		morning rise	1739 Jun 01 19:56	28°♁10'06	
morning max el	1738 Jul 06 07:02	22°♁56'38	21°05'39	direct	1739 Jun 05 06:11	27°♁44'46	
	1738 Jul 12 09:20	0°♁			1739 Jun 13 00:19	0°♁	
asc. node	1738 Jul 19 13:12	11°♁35'29		morning max el	1739 Jun 18 04:51	3°♁56'06	22°41'11
morning set	1738 Jul 25 23:36	24°♁14'18			1739 Jul 05 22:17	0°♁	
	1738 Jul 28 18:04	0°♁		asc. node	1739 Jul 06 10:16	0°♁58'42	
				morning set	1739 Jul 10 10:16	9°♁07'28	
superior conj	1738 Aug 02 10:43	9°♁46'55	1°43'14	superior conj	1739 Jul 17 14:34	24°♁24'52	1°34'15
minimum elong	1738 Aug 02 09:32	9°♁40'48	1°43'11	minimum elong	1739 Jul 17 12:29	24°♁13'50	1°34'03
max. Earth dist.	1738 Aug 06 19:09	18°♁35'42	1.35498 AU		1739 Jul 20 06:12	0°♁	
evening rise	1738 Aug 11 01:05	26°♁48'30		max. Earth dist.	1739 Jul 20 13:38	0°♁38'36	1.34077 AU
	1738 Aug 12 18:11	0°♁		evening rise	1739 Jul 25 11:01	10°♁32'26	
desc. node	1738 Aug 27 00:29	23°♁55'19			1739 Aug 05 03:29	0°♁	
	1738 Aug 31 03:38	0°♁		desc. node	1739 Aug 13 21:31	13°♁42'03	
evening max el	1738 Sep 15 12:04	18°♁45'09	26°30'54		1739 Aug 26 18:56	0°♁	
retrograde	1738 Sep 28 08:41	25°♁58'03		evening max el	1739 Aug 29 00:06	2°♁13'23	27°11'58
evening set	1738 Oct 04 20:26	23°♁18'43		retrograde	1739 Sep 11 09:05	9°♁32'06	
min. Earth dist.	1738 Oct 08 23:15	19°♁02'21	0.66166 AU	evening set	1739 Sep 18 07:49	6°♁48'49	
inferior conj	1738 Oct 10 14:36	17°♁03'43	-1°-39'-34	min. Earth dist.	1739 Sep 22 03:48	3°♁09'00	0.64925 AU
minimum elong	1738 Oct 10 17:14	16°♁55'45	1°38'30	inferior conj	1739 Sep 24 07:37	0°♁45'24	-2°-37'-26
asc. node	1738 Oct 15 12:24	11°♁59'21		minimum elong	1739 Sep 24 11:45	0°♁33'55	2°35'57
morning rise	1738 Oct 16 15:15	11°♁16'15			1739 Sep 25 00:04	30°♁	
direct	1738 Oct 19 13:17	10°♁28'16		morning rise	1739 Sep 30 17:30	25°♁11'57	
morning max el	1738 Oct 26 05:40	14°♁08'52	18°35'07	asc. node	1739 Oct 02 09:27	24°♁40'24	
	1738 Nov 06 18:55	0°♁		direct	1739 Oct 03 08:28	24°♁35'29	
morning set	1738 Nov 15 14:12	13°♁59'16		morning max el	1739 Oct 09 20:40	28°♁04'37	18°04'48
desc. node	1738 Nov 22 23:45	25°♁44'40			1739 Oct 11 14:43	0°♁	
	1738 Nov 25 16:26	0°♁		morning set	1739 Oct 27 18:10	25°♁02'09	
					1739 Oct 30 17:52	0°♁	
superior conj	1738 Dec 01 13:24	9°♁14'16	0°-55'-7	desc. node	1739 Nov 09 20:48	16°♁29'04	
minimum elong	1738 Dec 01 06:29	8°♁47'06	0°54'16				
max. Earth dist.	1738 Dec 01 21:09	9°♁44'41	1.45127 AU	superior conj	1739 Nov 10 20:02	18°♁01'53	0°-6'-30
	1738 Dec 14 17:40	0°♁		minimum elong	1739 Nov 10 19:14	17°♁58'39	0°06'24
evening rise	1738 Dec 17 12:30	4°♁25'18		behind sun begin	1739 Nov 10 09:19	17°♁19'04	
	1739 Jan 02 23:53	0°♁		behind sun end	1739 Nov 11 05:09	18°♁38'12	
evening max el	1739 Jan 08 13:06	6°♁54'25	18°59'47	max. Earth dist.	1739 Nov 14 15:53	24°♁06'06	1.44873 AU
asc. node	1739 Jan 11 11:42	9°♁25'49			1739 Nov 18 09:59	0°♁	
retrograde	1739 Jan 15 09:59	10°♁48'09		evening rise	1739 Nov 27 07:14	13°♁48'48	
evening set	1739 Jan 18 15:31	9°♁47'41			1739 Dec 07 20:22	0°♁	
inferior conj	1739 Jan 24 08:02	3°♁59'36	3°24'19	greatest brilliancy	1739 Dec 15 10:35	11°♁10'29	-0.6m
minimum elong	1739 Jan 24 05:52	4°♁06'25	3°23'58	evening max el	1739 Dec 22 19:10	20°♁23'31	19°50'29
min. Earth dist.	1739 Jan 25 21:49	2°♁01'03	0.65703 AU	asc. node	1739 Dec 29 08:45	24°♁41'14	
	1739 Jan 27 14:34	30°♁		retrograde	1739 Dec 30 07:27	24°♁46'12	
morning rise	1739 Jan 29 19:14	27°♁47'02		evening set	1740 Jan 02 20:38	23°♁32'31	
direct	1739 Feb 05 07:00	24°♁57'43		inferior conj	1740 Jan 08 09:01	17°♁30'08	2°55'57
	1739 Feb 15 11:47	0°♁		minimum elong	1740 Jan 08 06:24	17°♁38'52	2°55'17
morning max el	1739 Feb 18 06:02	2°♁35'49	26°36'53	min. Earth dist.	1740 Jan 09 08:43	16°♁11'25	0.66780 AU
desc. node	1739 Feb 18 22:57	3°♁19'01		morning rise	1740 Jan 13 15:29	11°♁15'12	
	1739 Mar 10 22:26	0°♁		direct	1740 Jan 19 14:31	8°♁36'45	
morning set	1739 Mar 26 04:48	26°♁22'24		morning max el	1740 Jan 31 15:01	15°♁46'40	25°22'58
	1739 Mar 28 02:16	0°♁					

desc. node	1740 Feb 05 20:00	21°♁34'13		direct	1741 Jan 02 02:59	22°♁34'48	
	1740 Feb 12 09:04	0°♁		morning max el	1741 Jan 12 23:21	29°♁02'55	23°57'04
	1740 Mar 02 19:56	0°♁			1741 Jan 13 21:28	0°♁	
morning set	1740 Mar 07 19:54	8°♁47'57		desc. node	1741 Jan 22 17:03	10°♁37'55	
max. Earth dist.	1740 Mar 11 13:54	15°♁42'57	1.36348 AU		1741 Feb 05 04:19	0°♁	
				morning set	1741 Feb 17 13:06	20°♁05'57	
superior conj	1740 Mar 17 12:55	27°♁15'14	-1°-21'-51	max. Earth dist.	1741 Feb 21 09:28	26°♁49'46	1.38387 AU
minimum elong	1740 Mar 17 16:49	27°♁34'39	1°21'18		1741 Feb 23 03:52	0°♁	
	1740 Mar 18 21:55	0°♁					
evening rise	1740 Mar 25 17:50	13°♁51'25		superior conj	1741 Feb 28 15:33	10°♁10'31	-1°-44'-34
asc. node	1740 Mar 26 08:05	15°♁03'20		minimum elong	1741 Feb 28 19:44	10°♁30'24	1°44'11
	1740 Apr 03 05:52	0°♁		evening rise	1741 Mar 09 15:44	27°♁41'31	
evening max el	1740 Apr 12 04:28	12°♁07'49	19°47'28		1741 Mar 10 20:05	0°♁	
retrograde	1740 Apr 22 02:36	16°♁55'00		asc. node	1741 Mar 13 05:08	4°♁34'53	
evening set	1740 Apr 24 03:23	16°♁43'51		evening max el	1741 Mar 26 02:05	24°♁13'27	18°54'08
inferior conj	1740 May 02 22:22	12°♁42'20	0°15'04	retrograde	1741 Apr 03 10:43	28°♁16'56	
minimum elong	1740 May 02 23:02	12°♁41'18	0°14'49	evening set	1741 Apr 05 15:34	28°♁01'10	
transit begin	1740 May 02 21:34	12°♁43'34		inferior conj	1741 Apr 13 15:44	23°♁43'37	1°54'30
transit end	1740 May 03 00:29	12°♁39'02		minimum elong	1741 Apr 13 19:33	23°♁36'47	1°53'22
desc. node	1740 May 03 19:13	12°♁09'58		min. Earth dist.	1741 Apr 16 20:39	21°♁27'02	0.57068 AU
min. Earth dist.	1740 May 05 04:33	11°♁18'44	0.55583 AU	desc. node	1741 Apr 20 16:14	19°♁09'40	
morning rise	1740 May 11 15:22	8°♁11'19		morning rise	1741 Apr 21 19:14	18°♁38'46	
direct	1740 May 15 22:16	7°♁30'32		direct	1741 Apr 27 03:39	17°♁30'07	
morning max el	1740 May 29 20:09	14°♁27'12	24°23'10	morning max el	1741 May 11 11:02	24°♁56'35	25°57'09
	1740 Jun 11 01:01	0°♁			1741 May 16 03:08	0°♁	
asc. node	1740 Jun 22 07:21	20°♁41'37			1741 Jun 03 23:57	0°♁	
morning set	1740 Jun 23 22:07	24°♁03'54		morning set	1741 Jun 08 09:32	8°♁58'30	
	1740 Jun 26 16:44	0°♁		asc. node	1741 Jun 09 04:25	10°♁38'25	
superior conj	1740 Jun 30 23:02	9°♁15'37	1°20'05	superior conj	1741 Jun 15 10:04	24°♁12'22	1°01'39
minimum elong	1740 Jun 30 20:38	9°♁02'31	1°19'44	minimum elong	1741 Jun 15 07:49	24°♁00'00	1°01'15
max. Earth dist.	1740 Jul 02 16:55	13°♁01'51	1.33059 AU	max. Earth dist.	1741 Jun 16 02:33	25°♁42'46	1.32442 AU
evening rise	1740 Jul 08 07:29	24°♁46'58			1741 Jun 18 01:40	0°♁	
	1740 Jul 10 22:19	0°♁		evening rise	1741 Jun 22 11:15	9°♁22'15	
	1740 Jul 28 16:36	0°♁			1741 Jul 03 06:41	0°♁	
desc. node	1740 Jul 30 18:33	2°♁53'28		desc. node	1741 Jul 17 15:34	21°♁14'56	
evening max el	1740 Aug 10 10:41	15°♁19'45	27°25'56	evening max el	1741 Jul 23 17:18	27°♁50'58	27°07'49
retrograde	1740 Aug 24 03:19	22°♁37'37			1741 Jul 26 03:33	0°♁	
evening set	1740 Aug 31 07:52	20°♁01'21		retrograde	1741 Aug 06 14:23	5°♁05'21	
min. Earth dist.	1740 Sep 03 22:59	16°♁54'18	0.63330 AU	evening set	1741 Aug 13 16:30	2°♁49'03	
inferior conj	1740 Sep 06 15:20	14°♁13'36	-3°-32'-18	min. Earth dist.	1741 Aug 17 07:34	0°♁05'35	0.61438 AU
minimum elong	1740 Sep 06 20:30	14°♁00'42	3°30'48		1741 Aug 17 10:11	30°♁	
morning rise	1740 Sep 13 11:31	8°♁57'25		inferior conj	1741 Aug 20 10:34	27°♁20'16	-4°-19'-15
direct	1740 Sep 15 22:06	8°♁28'54		minimum elong	1741 Aug 20 15:33	27°♁09'12	4°18'17
asc. node	1740 Sep 18 06:31	8°♁55'52		morning rise	1741 Aug 27 17:31	22°♁24'46	
morning max el	1740 Sep 22 12:49	11°♁54'40	17°52'03	direct	1741 Aug 30 02:39	22°♁01'14	
	1740 Oct 04 18:51	0°♁		asc. node	1741 Sep 05 03:35	24°♁37'58	
morning set	1740 Oct 08 23:15	7°♁17'37		morning max el	1741 Sep 06 03:07	25°♁31'46	17°57'54
					1741 Sep 09 21:32	0°♁	
superior conj	1740 Oct 21 00:43	27°♁56'06	0°38'06	morning set	1741 Sep 21 23:05	20°♁26'49	
minimum elong	1740 Oct 21 04:25	28°♁11'25	0°37'35		1741 Sep 27 04:44	0°♁	
	1740 Oct 22 06:41	0°♁					
desc. node	1740 Oct 26 17:51	7°♁16'18		superior conj	1741 Oct 02 08:35	9°♁10'21	1°11'47
max. Earth dist.	1740 Oct 27 08:32	8°♁15'18	1.43918 AU	minimum elong	1741 Oct 02 13:09	9°♁30'17	1°11'15
evening rise	1740 Nov 05 15:28	22°♁51'25		max. Earth dist.	1741 Oct 09 21:04	21°♁56'52	1.42383 AU
	1740 Nov 10 07:28	0°♁		desc. node	1741 Oct 13 14:52	28°♁02'56	
greatest brilliancy	1740 Nov 29 08:14	27°♁27'00	-0.5m		1741 Oct 14 20:04	0°♁	
	1740 Dec 01 08:58	0°♁		evening rise	1741 Oct 16 06:12	2°♁15'41	
evening max el	1740 Dec 04 19:54	3°♁53'59	20°54'58		1741 Nov 03 19:08	0°♁	
retrograde	1740 Dec 13 05:11	8°♁51'58		greatest brilliancy	1741 Nov 12 21:53	12°♁06'11	-0.3m
asc. node	1740 Dec 15 05:47	8°♁29'03		evening max el	1741 Nov 17 15:03	17°♁25'21	22°09'30
evening set	1740 Dec 17 03:56	7°♁23'16		retrograde	1741 Nov 27 01:26	23°♁01'55	
inferior conj	1740 Dec 22 14:05	1°♁09'45	2°18'47	evening set	1741 Dec 01 11:40	23°♁16'38	
minimum elong	1740 Dec 22 11:33	1°♁18'26	2°17'58	asc. node	1741 Dec 02 02:48	20°♁44'05	
min. Earth dist.	1740 Dec 23 01:13	0°♁31'36	0.67465 AU	inferior conj	1741 Dec 06 21:10	14°♁55'19	1°34'37
	1740 Dec 23 10:27	30°♁		minimum elong	1741 Dec 06 19:11	15°♁02'11	1°33'51
morning rise	1740 Dec 27 18:45	24°♁54'31		min. Earth dist.	1741 Dec 06 20:55	14°♁56'12	0.67786 AU

morning rise	1741 Dec 12 02:32	8°♄41'49		inferior conj	1742 Nov 21 04:29	28°♁45'31	0°44'54
direct	1741 Dec 16 19:35	6°♄44'37		minimum elong	1742 Nov 21 03:27	28°♁49'05	0°44'27
morning max el	1741 Dec 26 09:57	12°♄24'47	22°28'56	morning rise	1742 Nov 26 12:46	22°♁35'49	
greatest brilliancy	1741 Dec 30 23:43	17°♄31'32	-0.3m	direct	1742 Nov 30 15:24	21°♁01'27	
	1742 Jan 09 09:37	0°♄		morning max el	1742 Dec 09 02:22	25°♁56'29	21°06'46
desc. node	1742 Jan 09 14:04	0°♄15'43			1742 Dec 12 17:54	0°♄	
morning set	1742 Jan 29 02:24	0°♄01'07		greatest brilliancy	1742 Dec 14 11:55	2°♄09'52	-0.5m
	1742 Jan 29 02:07	0°♄		desc. node	1742 Dec 27 11:06	20°♄18'33	
max. Earth dist.	1742 Feb 03 05:57	8°♄35'02	1.40540 AU		1743 Jan 02 21:36	0°♄	
				morning set	1743 Jan 08 11:51	8°♄39'27	
superior conj	1742 Feb 11 01:08	22°♁13'17	-2°00'-13	max. Earth dist.	1743 Jan 16 08:45	21°♄14'56	1.42512 AU
minimum elong	1742 Feb 11 03:55	22°♁25'50	2°00'06		1743 Jan 21 15:16	0°♄	
	1742 Feb 15 07:14	0°♄					
evening rise	1742 Feb 21 03:29	10°♄57'23		superior conj	1743 Jan 23 12:27	3°♁11'41	-2°-4'-15
asc. node	1742 Feb 28 02:09	23°♄43'12		minimum elong	1743 Jan 23 11:22	3°♁07'02	2°04'14
	1742 Mar 03 21:59	0°♄		evening rise	1743 Feb 04 01:22	23°♁31'04	
evening max el	1742 Mar 09 07:46	6°♄50'36	18°20'57		1743 Feb 07 16:01	0°♄	
retrograde	1742 Mar 16 14:06	10°♄26'47		asc. node	1743 Feb 14 23:09	12°♄21'02	
evening set	1742 Mar 19 00:26	10°♄03'37		evening max el	1743 Feb 20 18:22	19°♄50'52	18°07'39
inferior conj	1742 Mar 26 06:24	5°♄25'08	3°00'34	retrograde	1743 Feb 27 10:03	23°♄15'33	
minimum elong	1742 Mar 26 10:02	5°♄17'31	2°59'49	evening set	1743 Mar 02 01:24	22°♄43'24	
min. Earth dist.	1742 Mar 29 16:51	2°♄33'49	0.59053 AU	inferior conj	1743 Mar 08 16:33	17°♄43'43	3°34'54
	1742 Apr 02 09:54	30°♄		minimum elong	1743 Mar 08 18:22	17°♄39'19	3°34'43
morning rise	1742 Apr 02 15:48	29°♄51'47		min. Earth dist.	1743 Mar 11 20:08	14°♄41'59	0.61192 AU
desc. node	1742 Apr 07 13:15	28°♄12'16		morning rise	1743 Mar 15 08:25	11°♄51'18	
direct	1742 Apr 08 22:05	28°♄07'17		direct	1743 Mar 22 03:46	9°♄32'33	
	1742 Apr 15 16:05	0°♄		desc. node	1743 Mar 25 10:16	10°♄02'13	
morning max el	1742 Apr 23 06:39	5°♄51'17	27°08'01	morning max el	1743 Apr 05 08:41	17°♄26'13	27°45'00
	1742 May 11 04:44	0°♄			1743 Apr 15 19:34	0°♄	
morning set	1742 May 23 18:52	23°♄45'39			1743 May 03 20:15	0°♄	
	1742 May 26 17:20	0°♄		morning set	1743 May 08 00:15	8°♄18'51	
asc. node	1742 May 27 01:27	0°♄43'49		max. Earth dist.	1743 May 14 02:03	21°♄12'39	1.32345 AU
max. Earth dist.	1742 May 30 14:55	8°♄30'59	1.32202 AU	asc. node	1743 May 13 22:28	20°♄53'12	
superior conj	1742 May 30 21:50	9°♄08'59	0°39'43	superior conj	1743 May 15 08:39	23°♄59'39	0°15'01
minimum elong	1742 May 30 20:10	8°♄59'53	0°39'23	minimum elong	1743 May 15 07:58	23°♄55'53	0°14'53
evening rise	1742 Jun 06 19:46	24°♄09'50		behind sun begin	1743 May 15 06:12	23°♄46'14	
	1742 Jun 09 15:29	0°♄		behind sun end	1743 May 15 09:44	24°♄05'33	
	1742 Jun 27 09:12	0°♄			1743 May 18 02:28	0°♄	
desc. node	1742 Jul 04 12:34	8°♄25'59		evening rise	1743 May 22 06:52	9°♄02'16	
evening max el	1742 Jul 05 17:19	9°♄36'39	26°16'42		1743 Jun 02 03:13	0°♄	
retrograde	1742 Jul 19 17:04	16°♄48'09		evening max el	1743 Jun 17 10:14	20°♄36'44	24°57'59
evening set	1742 Jul 26 05:02	15°♄04'05		desc. node	1743 Jun 21 09:34	23°♄57'43	
min. Earth dist.	1742 Jul 30 06:09	12°♄28'36	0.59379 AU	retrograde	1743 Jul 01 09:44	27°♄42'42	
inferior conj	1742 Aug 02 13:44	9°♄56'05	-4°-50'-24	evening set	1743 Jul 06 17:57	26°♄37'27	
minimum elong	1742 Aug 02 16:27	9°♄50'49	4°50'12	min. Earth dist.	1743 Jul 11 21:43	23°♄50'56	0.57396 AU
morning rise	1742 Aug 10 07:18	5°♄23'49		inferior conj	1743 Jul 14 21:36	21°♄51'14	-4°-53'-46
direct	1742 Aug 12 17:41	5°♄03'12		minimum elong	1743 Jul 14 19:39	21°♄54'30	4°53'41
morning max el	1742 Aug 20 12:31	8°♄48'03	18°23'32	morning rise	1743 Jul 23 01:08	17°♄41'24	
asc. node	1742 Aug 23 00:38	11°♄32'27		direct	1743 Jul 25 14:50	17°♄22'18	
	1742 Sep 03 06:46	0°♄		morning max el	1743 Aug 03 13:54	21°♄33'45	19°10'02
morning set	1742 Sep 05 12:20	4°♄14'55		asc. node	1743 Aug 09 21:41	29°♄23'45	
					1743 Aug 10 07:09	0°♄	
superior conj	1742 Sep 14 16:17	21°♄35'26	1°33'16	morning set	1743 Aug 20 10:57	18°♄30'16	
minimum elong	1742 Sep 14 19:32	21°♄50'24	1°33'01		1743 Aug 26 05:50	0°♄	
	1742 Sep 19 08:06	0°♄					
max. Earth dist.	1742 Sep 22 04:14	4°♄57'15	1.40461 AU	superior conj	1743 Aug 28 18:04	4°♄54'14	1°43'55
evening rise	1742 Sep 26 16:59	12°♄36'06		minimum elong	1743 Aug 28 19:23	5°♄00'35	1°43'52
desc. node	1742 Sep 30 11:53	18°♄45'49		max. Earth dist.	1743 Sep 04 07:39	17°♄13'40	1.38407 AU
	1742 Oct 07 17:30	0°♄		evening rise	1743 Sep 08 03:56	24°♄03'52	
	1742 Oct 30 06:35	0°♄			1743 Sep 11 15:16	0°♄	
evening max el	1742 Oct 31 05:42	0°♄59'11	23°29'06	desc. node	1743 Sep 17 08:55	9°♄20'18	
retrograde	1742 Nov 10 18:52	7°♄13'26			1743 Oct 01 11:33	0°♄	
evening set	1742 Nov 15 18:15	5°♄10'46		evening max el	1743 Oct 13 17:54	14°♄36'12	24°47'38
asc. node	1742 Nov 18 23:49	1°♄41'53		retrograde	1743 Oct 25 08:27	21°♄21'39	
	1742 Nov 20 06:40	30°♄		evening set	1743 Oct 30 22:00	19°♄02'21	
min. Earth dist.	1742 Nov 20 17:34	29°♄22'53	0.67763 AU	min. Earth dist.	1743 Nov 04 12:49	13°♄48'31	0.67404 AU

inferior conj	1743 Nov 05 10:16	12°♁37'26	0°-9'-7	desc. node	1744 Sep 03 05:56	29°♁41'27	
minimum elong	1743 Nov 05 10:30	12°♁36'41	0°09'02		1744 Sep 03 10:45	0°♁	
transit begin	1743 Nov 05 08:12	12°♁44'16		evening max el	1744 Sep 25 05:51	28°♁15'40	25°57'40
transit end	1743 Nov 05 12:47	12°♁29'06			1744 Sep 27 02:49	0°♁	
asc. node	1743 Nov 05 20:51	12°♁02'27		retrograde	1744 Oct 07 17:16	5°♁21'35	
morning rise	1743 Nov 10 23:29	6°♁33'59		evening set	1744 Oct 13 21:08	2°♁48'23	
direct	1743 Nov 14 13:19	5°♁20'19			1744 Oct 16 15:51	30°♁	
morning max el	1743 Nov 22 02:25	9°♁38'38	19°56'06	min. Earth dist.	1744 Oct 18 04:15	28°♁10'25	0.66713 AU
greatest brilliancy	1743 Nov 29 11:10	18°♁39'31	-0.6m	inferior conj	1744 Oct 19 12:44	26°♁28'25	-1°-6'-5
	1743 Dec 07 07:23	0°♁		minimum elong	1744 Oct 19 14:28	26°♁22'59	1°05'22
desc. node	1743 Dec 14 08:09	10°♁39'05		asc. node	1744 Oct 22 17:55	22°♁42'44	
morning set	1743 Dec 18 07:55	16°♁47'15		morning rise	1744 Oct 25 08:43	20°♁33'59	
	1743 Dec 26 19:07	0°♁		direct	1744 Oct 28 11:51	19°♁37'39	
max. Earth dist.	1743 Dec 29 18:47	4°♁44'10	1.44036 AU	morning max el	1744 Nov 04 09:48	23°♁29'18	19°00'02
					1744 Nov 09 18:50	0°♁	
superior conj	1744 Jan 03 21:37	12°♁58'29	-1°-51'-46	morning set	1744 Nov 26 15:45	25°♁37'17	
minimum elong	1744 Jan 03 15:09	12°♁32'12	1°51'22		1744 Nov 29 10:50	0°♁	
	1744 Jan 14 03:22	0°♁		desc. node	1744 Nov 30 05:12	1°♁11'58	
evening rise	1744 Jan 17 05:04	5°♁14'13		max. Earth dist.	1744 Dec 11 10:47	18°♁48'58	1.44936 AU
	1744 Feb 01 14:09	0°♁					
asc. node	1744 Feb 01 20:10	0°♁19'10		superior conj	1744 Dec 13 07:20	21°♁44'28	-1°-20'-20
evening max el	1744 Feb 04 06:55	3°♁06'43	18°13'37	minimum elong	1744 Dec 12 22:37	21°♁10'08	1°19'25
retrograde	1744 Feb 10 18:00	6°♁33'30			1744 Dec 18 12:22	0°♁	
evening set	1744 Feb 13 14:19	5°♁51'15		evening rise	1744 Dec 28 10:36	16°♁00'08	
inferior conj	1744 Feb 19 18:16	0°♁31'26	3°44'25		1745 Jan 06 01:03	0°♁	
minimum elong	1744 Feb 19 18:06	0°♁31'53	3°44'24	evening max el	1745 Jan 17 18:44	16°♁31'11	18°38'00
	1744 Feb 20 05:44	30°♁		asc. node	1745 Jan 18 17:12	17°♁25'28	
min. Earth dist.	1744 Feb 22 08:26	27°♁42'27	0.63202 AU	retrograde	1745 Jan 24 09:44	20°♁11'46	
morning rise	1744 Feb 25 19:57	24°♁27'55		evening set	1745 Jan 27 11:38	19°♁18'16	
direct	1744 Mar 03 18:35	21°♁45'41		inferior conj	1745 Feb 02 07:34	13°♁40'00	3°35'40
desc. node	1744 Mar 11 07:19	24°♁23'11		minimum elong	1745 Feb 02 05:57	13°♁44'52	3°35'29
morning max el	1744 Mar 17 15:45	29°♁41'19	27°44'39	min. Earth dist.	1745 Feb 04 06:10	11°♁20'19	0.64905 AU
	1744 Mar 17 23:11	0°♁		morning rise	1745 Feb 07 23:01	7°♁30'06	
	1744 Apr 08 18:07	0°♁		direct	1745 Feb 14 16:37	4°♁39'17	
morning set	1744 Apr 20 23:27	22°♁30'41		desc. node	1745 Feb 26 04:22	10°♁39'07	
	1744 Apr 24 15:13	0°♁		morning max el	1745 Feb 28 01:10	12°♁26'46	27°09'49
max. Earth dist.	1744 Apr 26 07:59	3°♁34'37	1.32893 AU		1745 Mar 14 03:07	0°♁	
					1745 Apr 01 07:22	0°♁	
superior conj	1744 Apr 28 16:50	8°♁38'37	0°-11'-42	morning set	1745 Apr 04 13:26	6°♁10'37	
minimum elong	1744 Apr 28 17:24	8°♁41'41	0°11'35	max. Earth dist.	1745 Apr 09 04:52	15°♁25'04	1.33883 AU
behind sun begin	1744 Apr 28 13:46	8°♁22'05					
behind sun end	1744 Apr 28 21:02	9°♁01'17		superior conj	1745 Apr 12 20:18	22°♁58'28	0°-39'-27
asc. node	1744 Apr 29 19:30	11°♁02'34		minimum elong	1745 Apr 12 22:17	23°♁08'52	0°39'04
evening rise	1744 May 05 18:44	23°♁53'19			1745 Apr 16 03:56	0°♁	
	1744 May 08 17:24	0°♁		asc. node	1745 Apr 16 16:32	1°♁07'01	
	1744 May 27 20:10	0°♁		evening rise	1745 Apr 20 05:26	8°♁35'37	
evening max el	1744 May 29 00:07	1°♁10'03	23°23'55		1745 May 01 14:40	0°♁	
desc. node	1744 Jun 07 06:34	7°♁15'04		evening max el	1745 May 10 18:00	11°♁45'27	21°49'33
retrograde	1744 Jun 11 14:12	7°♁57'27		retrograde	1745 May 23 06:37	17°♁54'28	
evening set	1744 Jun 15 10:35	7°♁24'57		desc. node	1745 May 25 03:36	17°♁46'32	
min. Earth dist.	1744 Jun 22 10:11	4°♁12'29	0.55826 AU	evening set	1745 May 25 21:36	17°♁39'04	
inferior conj	1744 Jun 24 09:36	3°♁02'16	-4°-15'-25	min. Earth dist.	1745 Jun 03 22:05	13°♁48'16	0.54995 AU
minimum elong	1744 Jun 24 02:46	3°♁12'26	4°14'05	inferior conj	1745 Jun 04 06:42	13°♁36'12	-2°-49'-32
	1744 Jun 30 04:11	30°♁		minimum elong	1745 Jun 03 23:26	13°♁46'22	2°47'17
morning rise	1744 Jul 02 22:12	29°♁07'31		morning rise	1745 Jun 13 02:27	9°♁42'08	
direct	1744 Jul 05 16:53	28°♁48'36		direct	1745 Jun 16 05:25	9°♁20'37	
	1744 Jul 10 22:05	0°♁		morning max el	1745 Jun 28 08:02	15°♁01'58	21°44'40
morning max el	1744 Jul 16 04:43	3°♁40'10	20°17'42		1745 Jul 09 16:31	0°♁	
asc. node	1744 Jul 26 18:45	17°♁59'06		asc. node	1745 Jul 13 15:49	7°♁07'17	
	1744 Aug 02 03:22	0°♁		morning set	1745 Jul 19 01:09	17°♁53'21	
morning set	1744 Aug 03 15:59	3°♁05'16			1745 Jul 24 19:09	0°♁	
superior conj	1744 Aug 11 08:56	18°♁52'29	1°45'37	superior conj	1745 Jul 26 08:54	3°♁18'17	1°40'07
minimum elong	1744 Aug 11 08:31	18°♁50'23	1°45'36	minimum elong	1745 Jul 26 07:16	3°♁09'45	1°40'00
max. Earth dist.	1744 Aug 16 13:15	29°♁05'51	1.36481 AU	max. Earth dist.	1745 Jul 30 02:33	11°♁00'17	1.34850 AU
	1744 Aug 17 00:33	0°♁		evening rise	1745 Aug 03 14:52	19°♁54'48	
evening rise	1744 Aug 20 12:47	6°♁34'15			1745 Aug 09 01:39	0°♁	

desc. node	1745 Aug 21 02:58	19°♎43'01		1746 Aug 01 19:49	0°♎		
	1745 Aug 28 10:48	0°♎		1746 Aug 07 23:59	9°♎16'12		
evening max el	1745 Sep 07 18:13	11°♎51'27	26°51'26	1746 Aug 21 05:56	25°♎11'59	27°21'36	
retrograde	1745 Sep 20 20:42	19°♎07'11		1746 Aug 27 06:21	0°♎		
evening set	1745 Sep 27 13:31	16°♎25'25		1746 Sep 03 18:16	2°♎30'11		
min. Earth dist.	1745 Oct 01 13:27	12°♎24'34	0.65678 AU	1746 Sep 10 14:14	30°♎		
inferior conj	1745 Oct 03 09:53	10°♎14'59	-2°-4'-17	1746 Sep 10 20:28	29°♎48'22		
minimum elong	1745 Oct 03 13:11	10°♎05'20	2°03'00	1746 Sep 14 14:02	26°♎23'26	0.64288 AU	
morning rise	1745 Oct 09 14:16	4°♎32'48		1746 Sep 16 23:16	23°♎51'31	-3°-1'-21	
asc. node	1745 Oct 09 15:00	4°♎31'53		1746 Sep 17 03:56	23°♎39'06	2°59'47	
direct	1745 Oct 12 09:03	3°♎50'03		1746 Sep 23 13:26	18°♎25'05		
morning max el	1745 Oct 18 22:44	7°♎24'39	18°20'08	1746 Sep 26 02:19	17°♎52'17		
	1745 Nov 03 12:29	0°♎		1746 Sep 26 12:05	17°♎53'09		
morning set	1745 Nov 07 03:07	5°♎51'50		1746 Oct 02 14:34	21°♎18'38	17°57'15	
desc. node	1745 Nov 17 02:15	21°♎53'19		1746 Oct 09 05:53	0°♎		
	1745 Nov 22 05:13	0°♎		1746 Oct 19 18:29	17°♎27'49		
				1746 Oct 27 05:13	0°♎		
superior conj	1745 Nov 22 08:39	0°♎13'31	0°-34'-42	1746 Nov 01 23:06	9°♎25'01	0°13'31	
minimum elong	1745 Nov 22 04:09	29°♎55'47	0°34'07	1746 Nov 02 00:39	9°♎31'17	0°13'17	
max. Earth dist.	1745 Nov 24 05:57	3°♎11'45	1.45109 AU	1746 Nov 01 18:45	9°♎07'25		
evening rise	1745 Dec 08 16:53	25°♎50'35		1746 Nov 02 06:32	9°♎55'07		
	1745 Dec 11 08:33	0°♎		1746 Nov 03 23:16	12°♎39'10		
greatest brilliancy	1745 Dec 22 23:01	17°♎55'30	-0.7m	1746 Nov 03 00:39	17°♎31'58	1.44544 AU	
	1746 Jan 01 03:32	0°♎		1746 Nov 14 23:31	0°♎		
evening max el	1746 Jan 01 03:28	29°♎59'50	19°19'32	1746 Nov 18 05:18	5°♎00'32		
asc. node	1746 Jan 05 14:16	3°♎26'10		1746 Dec 04 20:00	0°♎		
retrograde	1746 Jan 08 05:56	4°♎04'31		1746 Dec 08 20:57	5°♎39'30	-0.6m	
evening set	1746 Jan 11 14:37	2°♎58'27		1746 Dec 15 07:18	13°♎29'09	20°16'24	
	1746 Jan 14 20:09	30°♎		1746 Dec 23 03:48	18°♎06'14		
inferior conj	1746 Jan 17 05:06	27°♎03'58	3°13'30	1746 Dec 23 11:19	18°♎05'41		
minimum elong	1746 Jan 17 02:40	27°♎11'49	3°13'00	1746 Dec 26 20:53	16°♎46'10		
min. Earth dist.	1746 Jan 18 12:40	25°♎22'18	0.66213 AU	1747 Jan 01 08:04	10°♎38'25	2°41'09	
morning rise	1746 Jan 22 13:57	20°♎50'27		1747 Jan 01 05:25	10°♎47'22	2°40'23	
direct	1746 Jan 28 20:44	18°♎04'39		1747 Jan 02 02:08	9°♎37'23	0.67115 AU	
morning max el	1746 Feb 10 10:42	25°♎31'39	26°07'37	1747 Jan 06 13:27	4°♎23'11		
desc. node	1746 Feb 13 01:25	28°♎18'12		1747 Jan 12 06:12	1°♎52'20		
	1746 Feb 14 13:09	0°♎		1747 Jan 23 19:22	8°♎45'38	24°47'25	
	1746 Mar 07 15:22	0°♎		1747 Jan 30 22:28	16°♎55'47		
morning set	1746 Mar 18 14:21	19°♎07'29		1747 Feb 09 12:40	0°♎		
max. Earth dist.	1746 Mar 22 14:26	26°♎43'58	1.35332 AU	1747 Feb 28 05:52	0°♎		
	1746 Mar 24 06:28	0°♎		1747 Feb 28 20:55	1°♎06'21		
				1747 Mar 04 13:43	7°♎46'39	1.37186 AU	
superior conj	1746 Mar 27 16:42	6°♎52'20	-1°-6'-53	1747 Mar 11 02:52	20°♎11'31	-1°-32'-7	
minimum elong	1746 Mar 27 20:01	7°♎09'13	1°06'21	1747 Mar 11 07:03	20°♎31'53	1°31'36	
asc. node	1746 Apr 03 13:35	21°♎02'34		1747 Mar 16 01:38	0°♎		
evening rise	1746 Apr 04 13:03	23°♎03'18		1747 Mar 19 15:16	7°♎09'16		
	1746 Apr 07 23:47	0°♎		1747 Mar 21 10:38	10°♎44'31		
evening max el	1746 Apr 22 21:48	22°♎49'10	20°26'51	1747 Apr 01 15:08	0°♎		
retrograde	1746 May 03 19:45	28°♎06'37		1747 Apr 05 13:16	4°♎32'34	19°22'15	
evening set	1746 May 05 21:41	27°♎55'53		1747 Apr 14 18:35	8°♎59'55		
desc. node	1746 May 12 00:38	25°♎40'01		1747 Apr 16 20:27	8°♎47'20		
inferior conj	1746 May 15 01:15	23°♎58'05	0°-52'-50	1747 Apr 25 07:39	4°♎39'40	1°00'55	
minimum elong	1746 May 14 22:46	24°♎01'43	0°51'57	1747 Apr 25 10:06	4°♎35'38	1°00'05	
min. Earth dist.	1746 May 16 10:47	23°♎09'23	0.55101 AU	1747 Apr 28 01:28	2°♎52'08	0.56128 AU	
morning rise	1746 May 23 22:07	19°♎45'25		1747 Apr 28 21:38	2°♎20'42		
direct	1746 May 27 16:16	19°♎14'59		1747 May 03 13:15	30°♎		
morning max el	1746 Jun 10 02:16	25°♎46'14	23°24'32	1747 May 03 19:50	29°♎54'04		
	1746 Jun 14 01:59	0°♎		1747 May 08 13:10	29°♎03'10		
asc. node	1746 Jun 30 12:52	26°♎39'45		1747 May 13 12:34	0°♎		
	1746 Jul 02 04:08	0°♎		1747 May 22 16:53	6°♎14'20	25°05'07	
morning set	1746 Jul 03 12:30	2°♎48'41		1747 Jun 08 22:15	0°♎		
				1747 Jun 17 09:55	16°♎29'46		
superior conj	1746 Jul 10 14:58	18°♎02'23	1°28'47	1747 Jun 18 00:25	17°♎45'57		
minimum elong	1746 Jul 10 12:41	17°♎50'08	1°28'32	1747 Jun 23 16:20	0°♎		
max. Earth dist.	1746 Jul 13 01:13	23°♎12'43	1.33599 AU				
	1746 Jul 16 07:33	0°♎					
evening rise	1746 Jul 18 05:42	3°♎52'52					

superior conj	1747 Jun 25 00:48	2°♄57'20	1°12'44	superior conj	1748 Jun 08 12:21	17°♄55'20	0°52'45
minimum elong	1747 Jun 24 22:23	2°♄44'13	1°12'21	minimum elong	1748 Jun 08 10:18	17°♄44'03	0°52'22
max. Earth dist.	1747 Jun 26 07:40	5°♄45'27	1.32747 AU	max. Earth dist.	1748 Jun 08 18:44	18°♄30'23	1.32290 AU
evening rise	1747 Jul 02 05:38	18°♄17'54		evening rise	1748 Jun 14 01:39	0°♄	
	1747 Jul 08 04:33	0°♄			1748 Jun 15 11:41	2°♄59'38	
desc. node	1747 Jul 25 20:59	28°♄09'07		desc. node	1748 Jun 30 01:23	0°♄	
	1747 Jul 27 07:44	0°♄			1748 Jul 11 17:59	16°♄03'59	
evening max el	1747 Aug 03 14:56	8°♄04'43	27°22'12	evening max el	1748 Jul 15 18:50	20°♄17'14	26°49'54
retrograde	1747 Aug 17 09:38	15°♄21'40		retrograde	1748 Jul 29 17:40	27°♄31'10	
evening set	1747 Aug 24 14:31	12°♄51'49		evening set	1748 Aug 05 15:12	25°♄27'14	
min. Earth dist.	1747 Aug 28 04:35	9°♄56'40	0.62558 AU	min. Earth dist.	1748 Aug 09 08:52	22°♄49'13	0.60571 AU
inferior conj	1747 Aug 31 02:05	7°♄11'52	-3°-53'-33	inferior conj	1748 Aug 12 14:54	20°♄06'43	-4°-35'-1
minimum elong	1747 Aug 31 07:22	6°♄59'18	3°52'14	minimum elong	1748 Aug 12 19:14	19°♄57'38	4°34'23
morning rise	1747 Sep 07 02:52	2°♄04'28		morning rise	1748 Aug 20 02:28	15°♄21'01	
direct	1747 Sep 09 12:28	1°♄38'26		direct	1748 Aug 22 11:38	14°♄59'06	
asc. node	1747 Sep 13 09:07	2°♄47'32		morning max el	1748 Aug 29 19:02	18°♄34'43	18°06'16
morning max el	1747 Sep 16 06:23	5°♄04'59	17°52'15	asc. node	1748 Aug 30 06:09	19°♄02'22	
morning set	1747 Oct 02 08:15	0°♄08'12			1748 Sep 07 02:04	0°♄	
	1747 Oct 02 06:25	0°♄		morning set	1748 Sep 14 14:22	13°♄35'24	
					1748 Sep 23 11:45	0°♄	
superior conj	1747 Oct 13 15:28	19°♄54'05	0°53'53	superior conj	1748 Sep 24 10:07	1°♄40'18	1°22'19
minimum elong	1747 Oct 13 19:55	20°♄12'56	0°53'18	minimum elong	1748 Sep 24 14:18	1°♄58'55	1°21'54
	1747 Oct 19 17:18	0°♄		max. Earth dist.	1748 Oct 02 01:09	14°♄53'12	1.41598 AU
max. Earth dist.	1747 Oct 20 15:34	1°♄30'33	1.43323 AU	evening rise	1748 Oct 07 12:15	23°♄51'50	
desc. node	1747 Oct 21 20:19	3°♄26'40		desc. node	1748 Oct 07 17:20	24°♄12'16	
evening rise	1747 Oct 28 14:07	14°♄06'35			1748 Oct 11 09:04	0°♄	
	1747 Nov 08 01:13	0°♄			1748 Nov 01 01:14	0°♄	
greatest brilliancy	1747 Nov 23 05:00	21°♄12'10	-0.4m	greatest brilliancy	1748 Nov 04 23:28	4°♄57'58	-0.3m
evening max el	1747 Nov 28 05:25	26°♄58'58	21°25'40	evening max el	1748 Nov 09 22:26	10°♄31'10	22°43'10
	1747 Dec 01 14:19	0°♄		retrograde	1748 Nov 19 20:26	16°♄24'34	
retrograde	1747 Dec 07 01:12	2°♄13'50		evening set	1748 Nov 24 11:58	14°♄32'11	
asc. node	1747 Dec 10 08:21	1°♄13'33		asc. node	1748 Nov 26 05:22	12°♄52'28	
evening set	1747 Dec 11 04:33	0°♄38'13		inferior conj	1748 Nov 29 21:37	8°♄08'41	1°14'09
	1747 Dec 11 22:36	30°♄		minimum elong	1748 Nov 29 20:00	8°♄14'19	1°13'29
inferior conj	1747 Dec 16 14:13	24°♄20'40	2°00'49	min. Earth dist.	1748 Nov 29 16:51	8°♄25'10	0.67812 AU
minimum elong	1747 Dec 16 11:52	24°♄28'48	1°59'59	morning rise	1748 Dec 05 03:56	1°♄56'16	
min. Earth dist.	1747 Dec 16 20:21	23°♄59'28	0.67639 AU	direct	1748 Dec 09 14:43	0°♄08'45	
morning rise	1747 Dec 21 18:52	18°♄05'44		morning max el	1748 Dec 18 16:55	5°♄29'20	21°52'48
direct	1747 Dec 26 20:29	15°♄55'28		greatest brilliancy	1748 Dec 23 11:22	10°♄52'18	-0.4m
morning max el	1748 Jan 06 04:20	22°♄04'09	23°19'18	desc. node	1749 Jan 03 16:33	26°♄04'47	
greatest brilliancy	1748 Jan 11 11:45	28°♄02'22	-0.2m		1749 Jan 06 09:01	0°♄	
	1748 Jan 13 01:37	0°♄		morning set	1749 Jan 20 03:37	21°♄10'16	
desc. node	1748 Jan 17 19:30	6°♄15'11			1749 Jan 25 13:40	0°♄	
	1748 Feb 02 20:32	0°♄		max. Earth dist.	1749 Jan 26 06:35	1°♄10'22	1.41410 AU
morning set	1748 Feb 10 02:50	11°♄50'26					
max. Earth dist.	1748 Feb 14 08:23	19°♄04'37	1.39297 AU	superior conj	1749 Feb 02 23:36	14°♄22'36	-2°-3'-39
	1748 Feb 20 10:58	0°♄		minimum elong	1749 Feb 03 01:04	14°♄29'01	2°03'38
superior conj	1748 Feb 21 22:49	2°♄45'27	-1°-52'-20		1749 Feb 11 15:01	0°♄	
minimum elong	1748 Feb 22 02:40	3°♄03'23	1°52'03	evening rise	1749 Feb 13 15:35	3°♄44'25	
evening rise	1748 Mar 02 09:14	20°♄45'36		asc. node	1749 Feb 22 04:41	19°♄03'39	
	1748 Mar 07 06:07	0°♄		evening max el	1749 Mar 01 22:57	29°♄41'26	18°13'01
asc. node	1748 Mar 07 07:39	0°♄07'03			1749 Mar 02 06:42	0°♄	
evening max el	1748 Mar 18 14:42	16°♄52'43	18°37'38	retrograde	1749 Mar 08 21:36	3°♄10'34	
retrograde	1748 Mar 26 10:54	20°♄42'44		evening set	1749 Mar 11 10:12	2°♄43'41	
evening set	1748 Mar 28 17:55	20°♄24'13			1749 Mar 15 23:38	30°♄	
inferior conj	1748 Apr 05 10:04	15°♄58'20	2°26'44	inferior conj	1749 Mar 18 09:26	27°♄56'27	3°18'36
minimum elong	1748 Apr 05 14:08	15°♄50'33	2°25'39	minimum elong	1749 Mar 18 12:24	27°♄49'51	3°18'07
min. Earth dist.	1748 Apr 08 19:21	13°♄23'55	0.57863 AU	min. Earth dist.	1749 Mar 21 18:19	24°♄57'29	0.59960 AU
morning rise	1748 Apr 13 06:02	10°♄39'56		morning rise	1749 Mar 25 11:07	22°♄14'07	
desc. node	1748 Apr 14 18:40	10°♄01'52		direct	1749 Apr 01 00:25	20°♄13'53	
direct	1748 Apr 19 00:29	9°♄16'20		desc. node	1749 Apr 01 15:41	20°♄15'00	
morning max el	1748 May 03 09:27	16°♄52'31	26°30'53	morning max el	1749 Apr 15 07:36	28°♄02'55	27°28'11
	1748 May 14 04:13	0°♄			1749 Apr 17 05:06	0°♄	
	1748 May 31 04:43	0°♄			1749 May 07 20:37	0°♄	
morning set	1748 Jun 01 11:09	2°♄38'29		morning set	1749 May 16 19:03	17°♄20'31	
asc. node	1748 Jun 03 06:56	6°♄30'58		asc. node	1749 May 21 03:58	26°♄38'43	

	1749 May 22 16:53	0°♂			1750 Apr 30 01:20	0°♄		
max. Earth dist.	1749 May 23 06:58	1°♂17'11	1.32218 AU	morning set	1750 Apr 30 22:05	1°♄45'00		
				max. Earth dist.	1750 May 06 16:27	13°♄51'59	1.32529 AU	
superior conj	1749 May 23 23:57	2°♂50'27	0°29'34	superior conj	1750 May 08 09:52	17°♄36'25	0°03'55	
minimum elong	1749 May 23 22:40	2°♂43'22	0°29'18	minimum elong	1750 May 08 09:41	17°♄35'25	0°03'53	
evening rise	1749 May 30 21:34	17°♂50'27		behind sun begin	1750 May 08 04:40	17°♄08'09		
	1749 Jun 05 21:53	0°♄		behind sun end	1750 May 08 14:42	18°♄02'41		
	1749 Jun 25 22:32	0°♄		asc. node	1750 May 08 01:02	16°♄48'20		
evening max el	1749 Jun 27 15:56	1°♄43'30	25°46'01		1750 May 14 02:41	0°♂		
desc. node	1749 Jun 28 14:59	2°♄36'58		evening rise	1750 May 15 09:13	2°♂42'57		
retrograde	1749 Jul 11 16:23	8°♄52'52			1750 May 30 05:06	0°♄		
evening set	1749 Jul 17 17:52	7°♄25'32		evening max el	1750 Jun 09 06:59	12°♄29'29	24°18'59	
min. Earth dist.	1749 Jul 22 04:17	4°♄47'14	0.58515 AU	desc. node	1750 Jun 15 11:58	17°♄16'24		
inferior conj	1749 Jul 25 10:12	2°♄26'33	-4°-56'-5	retrograde	1750 Jun 23 03:36	19°♄28'58		
minimum elong	1749 Jul 25 11:12	2°♄24'45	4°56'04	evening set	1750 Jun 27 21:09	18°♄39'04		
	1749 Jul 29 00:20	30°♄		min. Earth dist.	1750 Jul 03 17:54	15°♄43'19	0.56663 AU	
morning rise	1749 Aug 02 08:04	28°♄03'46		inferior conj	1750 Jul 06 09:31	14°♄03'14	-4°-43'-19	
direct	1749 Aug 04 19:36	27°♄43'55		minimum elong	1750 Jul 06 05:15	14°♄09'59	4°42'50	
	1749 Aug 11 02:08	0°♄		morning rise	1750 Jul 14 17:00	10°♄01'04		
morning max el	1749 Aug 13 01:19	1°♄38'50	18°40'35	direct	1750 Jul 17 08:52	9°♄42'04		
asc. node	1749 Aug 17 03:11	6°♄22'35		morning max el	1750 Jul 26 22:23	14°♄08'37	19°36'13	
morning set	1749 Aug 29 08:01	27°♄36'12		asc. node	1750 Aug 04 00:15	24°♄34'15		
	1749 Aug 30 13:34	0°♄			1750 Aug 07 04:08	0°♄		
				morning set	1750 Aug 13 09:46	12°♄01'32		
superior conj	1749 Sep 07 02:09	14°♄29'41	1°39'00	superior conj	1750 Aug 21 10:06	28°♄07'23	1°45'37	
minimum elong	1749 Sep 07 04:35	14°♄41'10	1°38'51	minimum elong	1750 Aug 21 10:38	28°♄10'00	1°45'36	
max. Earth dist.	1749 Sep 14 06:21	27°♄34'09	1.39596 AU		1750 Aug 22 09:02	0°♄		
	1749 Sep 15 15:44	0°♄		max. Earth dist.	1750 Aug 27 10:32	9°♄40'02	1.37566 AU	
evening rise	1749 Sep 18 09:20	4°♄40'55		evening rise	1750 Aug 31 06:10	16°♄37'02		
desc. node	1749 Sep 24 14:21	14°♄52'03			1750 Sep 08 02:45	0°♄		
	1749 Oct 04 12:59	0°♄		desc. node	1750 Sep 11 11:22	5°♄21'52		
evening max el	1749 Oct 23 11:57	24°♄06'51	24°03'11		1750 Sep 29 00:11	0°♄		
	1749 Oct 31 13:36	0°♄		evening max el	1750 Oct 05 23:58	7°♄46'00	25°18'51	
retrograde	1749 Nov 03 12:12	0°♄34'51		retrograde	1750 Oct 17 23:43	14°♄40'52		
	1749 Nov 06 06:12	30°♄		evening set	1750 Oct 23 19:34	12°♄15'05		
evening set	1749 Nov 08 17:31	28°♄25'08		min. Earth dist.	1750 Oct 28 07:02	7°♄16'32	0.67159 AU	
asc. node	1749 Nov 13 02:24	23°♄27'46		inferior conj	1750 Oct 29 09:07	5°♄51'56	0°-33'-1	
min. Earth dist.	1749 Nov 13 13:12	22°♄51'31	0.67652 AU	minimum elong	1750 Oct 29 09:58	5°♄49'12	0°32'40	
inferior conj	1749 Nov 14 04:30	21°♄59'45	0°22'25	asc. node	1750 Oct 30 23:27	3°♄50'09		
minimum elong	1749 Nov 14 03:58	22°♄01'34	0°22'11		1750 Nov 03 20:20	30°♄		
morning rise	1749 Nov 19 14:38	15°♄52'20		morning rise	1750 Nov 04 01:01	29°♄52'11		
direct	1749 Nov 23 11:42	14°♄26'54		direct	1750 Nov 07 10:06	28°♄46'19		
morning max el	1749 Dec 01 12:21	19°♄04'46	20°35'01		1750 Nov 11 04:44	0°♄		
greatest brilliancy	1749 Dec 07 14:41	26°♄16'09	-0.5m	morning max el	1750 Nov 14 15:46	2°♄51'33	19°30'22	
	1749 Dec 10 09:12	0°♄		greatest brilliancy	1750 Nov 23 08:24	13°♄52'28	-0.7m	
desc. node	1749 Dec 21 13:36	16°♄15'47			1750 Dec 04 02:17	0°♄		
morning set	1749 Dec 30 04:30	29°♄26'20		desc. node	1750 Dec 08 10:40	6°♄42'26		
	1749 Dec 30 13:10	0°♄		morning set	1750 Dec 09 02:44	7°♄44'34		
max. Earth dist.	1750 Jan 08 12:48	14°♄13'30	1.43230 AU	max. Earth dist.	1750 Dec 22 02:18	28°♄02'19	1.44510 AU	
					1750 Dec 23 07:58	0°♄		
superior conj	1750 Jan 15 00:03	24°♄50'38	-2°-1'-13	superior conj	1750 Dec 25 22:14	4°♄08'12	-1°-40'-40	
minimum elong	1750 Jan 14 20:40	24°♄36'32	2°01'07	minimum elong	1750 Dec 25 14:04	3°♄35'34	1°40'00	
	1750 Jan 18 01:33	0°♄		evening rise	1751 Jan 09 00:56	27°♄16'35		
evening rise	1750 Jan 27 06:12	15°♄56'58			1751 Jan 10 15:55	0°♄		
	1750 Feb 04 08:05	0°♄		asc. node	1751 Jan 26 22:45	25°♄03'00		
asc. node	1750 Feb 09 01:43	7°♄25'35		evening max el	1751 Jan 27 23:16	26°♄08'34	18°21'43	
evening max el	1750 Feb 13 10:46	12°♄48'57	18°07'55	retrograde	1751 Feb 03 11:02	29°♄40'03		
retrograde	1750 Feb 19 23:10	16°♄12'42		evening set	1751 Feb 06 09:37	28°♄53'04		
evening set	1750 Feb 22 16:44	15°♄36'11		inferior conj	1751 Feb 12 09:46	23°♄24'49	3°42'35	
inferior conj	1750 Mar 01 02:40	10°♄27'36	3°41'30	minimum elong	1751 Feb 12 08:55	23°♄27'16	3°42'33	
minimum elong	1750 Mar 01 03:36	10°♄25'12	3°41'28	min. Earth dist.	1751 Feb 14 17:14	20°♄47'00	0.63971 AU	
min. Earth dist.	1750 Mar 04 00:57	7°♄29'07	0.62077 AU	morning rise	1751 Feb 18 06:37	17°♄18'00		
morning rise	1750 Mar 07 12:04	4°♄30'01		direct	1751 Feb 25 03:48	14°♄30'40		
direct	1750 Mar 14 10:03	1°♄59'47		desc. node	1751 Mar 06 09:48	18°♄26'21		
desc. node	1750 Mar 19 12:44	3°♄12'28						
morning max el	1750 Mar 28 11:52	9°♄54'21	27°49'26					
	1750 Apr 13 03:00	0°♄						

morning max el	1751 Mar 10 20:26	22°≈23'55	27°33'47	desc. node	1752 Feb 21 06:53	5°≈21'12	
	1751 Mar 17 13:27	0°✠			1752 Mar 11 03:55	0°✠	
	1751 Apr 06 07:53	0°♃		morning set	1752 Mar 28 02:49	29°✠07'43	
morning set	1751 Apr 14 17:47	15°♃44'03			1752 Mar 28 13:46	0°♃	
max. Earth dist.	1751 Apr 19 19:11	26°♃02'00	1.33257 AU	max. Earth dist.	1752 Apr 01 11:25	7°♃38'31	1.34436 AU
	1751 Apr 21 16:22	0°♄					
superior conj	1751 Apr 22 16:17	2°♄07'19	0°-23'-24	superior conj	1752 Apr 05 17:06	16°♃17'05	0°-51'-14
minimum elong	1751 Apr 22 17:27	2°♄13'31	0°23'11	minimum elong	1752 Apr 05 19:40	16°♃30'28	0°50'46
asc. node	1751 Apr 24 22:05	6°♄55'40		asc. node	1752 Apr 10 19:07	26°♃56'52	
evening rise	1751 Apr 29 20:49	17°♄30'37			1752 Apr 12 06:02	0°♄	
	1751 May 06 01:49	0°♂		evening rise	1752 Apr 13 06:29	2°♄07'29	
evening max el	1751 May 21 21:25	22°♂58'30	22°42'57		1752 Apr 29 09:38	0°♂	
desc. node	1751 Jun 02 09:00	29°♂25'48		evening max el	1752 May 02 18:58	3°♂43'34	21°12'31
retrograde	1751 Jun 04 02:38	29°♂32'40		retrograde	1752 May 14 16:44	9°♂32'00	
evening set	1751 Jun 07 09:04	29°♂09'12		evening set	1752 May 16 23:43	9°♂19'51	
min. Earth dist.	1751 Jun 15 05:35	25°♂42'14	0.55360 AU	desc. node	1752 May 19 06:02	8°♂45'37	
inferior conj	1751 Jun 16 14:01	24°♂55'48	-3°-44'-25	inferior conj	1752 May 26 08:17	5°♂21'07	-2°-2'-2
minimum elong	1751 Jun 16 06:15	25°♂06'57	3°42'30	minimum elong	1752 May 26 02:38	5°♂29'04	2°00'06
morning rise	1751 Jun 25 06:08	21°♂04'05		min. Earth dist.	1752 May 26 18:00	5°♂07'26	0.54910 AU
direct	1751 Jun 28 03:43	20°♂44'38		morning rise	1752 Jun 04 05:29	1°♂21'15	
morning max el	1751 Jul 09 08:19	25°♂56'09	20°52'43	direct	1752 Jun 07 13:33	0°♂57'08	
	1751 Jul 13 03:05	0°♅		morning max el	1752 Jun 20 07:28	7°♂01'04	22°26'14
asc. node	1751 Jul 21 21:20	13°♅24'33			1752 Jul 06 08:15	0°♅	
morning set	1751 Jul 28 16:50	26°♅43'04		asc. node	1752 Jul 07 18:24	2°♅43'51	
	1751 Jul 30 06:55	0°♆		morning set	1752 Jul 12 03:08	11°♅34'47	
superior conj	1751 Aug 05 05:18	12°♆19'03	1°44'04	superior conj	1752 Jul 19 08:13	26°♅53'53	1°35'57
minimum elong	1751 Aug 05 04:18	12°♆13'56	1°44'02	minimum elong	1752 Jul 19 06:15	26°♅43'26	1°35'47
max. Earth dist.	1751 Aug 09 18:56	21°♆30'29	1.35739 AU		1752 Jul 20 19:33	0°♆	
evening rise	1751 Aug 13 22:55	29°♆30'14		max. Earth dist.	1752 Jul 22 11:54	3°♆29'57	1.34263 AU
	1751 Aug 14 05:17	0°♇		evening rise	1752 Jul 27 06:56	13°♆08'18	
desc. node	1751 Aug 29 08:22	25°♇35'43			1752 Aug 05 11:55	0°♇	
	1751 Sep 01 07:08	0°♈		desc. node	1752 Aug 15 05:22	15°♇26'18	
evening max el	1751 Sep 18 11:54	21°♈24'22	26°22'49		1752 Aug 26 08:03	0°♈	
retrograde	1751 Oct 01 06:23	28°♈36'01		evening max el	1752 Aug 31 00:02	4°♈54'42	27°07'29
evening set	1751 Oct 07 16:08	25°♈57'58		retrograde	1752 Sep 13 07:37	12°♈13'01	
min. Earth dist.	1751 Oct 11 20:01	21°♈36'01	0.66322 AU	evening set	1752 Sep 20 04:54	9°♈29'53	
inferior conj	1751 Oct 13 09:35	19°♈41'26	-1°-30'-44	min. Earth dist.	1752 Sep 24 01:53	5°♈44'35	0.65131 AU
minimum elong	1751 Oct 13 11:59	19°♈34'07	1°29'45	inferior conj	1752 Sep 26 03:45	3°♈24'24	-2°-28'-48
asc. node	1751 Oct 17 20:31	14°♈55'00		minimum elong	1752 Sep 26 07:41	3°♈13'20	2°27'21
morning rise	1751 Oct 19 09:00	13°♈52'06			1752 Sep 29 09:50	30°♇	
direct	1751 Oct 22 08:14	13°♈02'09		morning rise	1752 Oct 02 12:10	27°♇48'30	
morning max el	1751 Oct 29 01:54	16°♈45'23	18°41'00	asc. node	1752 Oct 03 17:36	27°♇21'39	
	1751 Nov 07 23:53	0°♉		direct	1752 Oct 05 04:00	27°♇10'34	
morning set	1751 Nov 18 21:20	17°♉08'16			1752 Oct 10 23:22	0°♉	
desc. node	1751 Nov 25 07:42	27°♉19'17		morning max el	1752 Oct 11 16:25	0°♉40'57	18°08'10
	1751 Nov 27 00:29	0°♊		morning set	1752 Oct 29 21:04	27°♉58'46	
max. Earth dist.	1751 Dec 04 19:53	12°♊16'23	1.45101 AU		1752 Oct 31 02:24	0°♊	
superior conj	1751 Dec 05 01:47	12°♊39'33	-1°-2'-6	desc. node	1752 Nov 11 04:42	18°♊02'39	
minimum elong	1751 Dec 04 18:12	12°♊09'45	1°01'12	superior conj	1752 Nov 13 06:19	21°♊20'20	0°-13'-49
	1751 Dec 16 01:32	0°♋		minimum elong	1752 Nov 13 04:34	21°♊13'21	0°13'36
evening rise	1751 Dec 20 20:27	7°♋38'06		behind sun begin	1752 Nov 12 22:35	20°♊49'36	
	1752 Jan 04 00:54	0°≈		behind sun end	1752 Nov 13 10:33	21°♊37'06	
evening max el	1752 Jan 11 09:56	9°≈34'47	18°53'37	max. Earth dist.	1752 Nov 16 14:36	26°♊37'52	1.44957 AU
asc. node	1752 Jan 13 19:47	11°≈43'04			1752 Nov 18 18:02	0°♌	
retrograde	1752 Jan 18 05:08	13°≈24'55		evening rise	1752 Nov 29 17:49	17°♌07'27	
evening set	1752 Jan 21 09:39	12°≈26'22			1752 Dec 08 01:58	0°♍	
inferior conj	1752 Jan 27 02:58	6°≈40'48	3°27'42	greatest brilliancy	1752 Dec 16 23:00	13°♌15'34	-0.6m
minimum elong	1752 Jan 27 00:56	6°≈47'09	3°27'23	evening max el	1752 Dec 24 16:43	23°♌03'41	19°42'04
min. Earth dist.	1752 Jan 28 19:03	4°≈36'27	0.65506 AU	asc. node	1752 Dec 30 16:50	27°♌10'41	
morning rise	1752 Feb 01 15:09	0°≈28'46		retrograde	1753 Jan 01 02:16	27°♌21'25	
	1752 Feb 02 04:53	30°♌		evening set	1753 Jan 04 14:14	26°♌09'47	
direct	1752 Feb 08 04:34	27°♌38'34		inferior conj	1753 Jan 10 03:06	20°♌09'29	3°00'53
	1752 Feb 14 22:09	0°≈		minimum elong	1753 Jan 10 00:31	20°♌18'02	3°00'15
morning max el	1752 Feb 21 06:22	5°≈19'55	26°46'13	min. Earth dist.	1753 Jan 11 04:50	18°♌44'41	0.66645 AU
				morning rise	1753 Jan 15 10:06	13°♌54'53	

direct	1753 Jan 21 11:15	11°♁14'09			1753 Dec 28 04:50	30°♁	
morning max el	1753 Feb 02 15:23	18°♁28'57	25°35'01	morning rise	1753 Dec 30 12:27	27°♁32'34	
desc. node	1753 Feb 07 03:55	23°♁27'25		direct	1754 Jan 04 22:58	25°♁09'49	
	1753 Feb 12 09:07	0°♁			1754 Jan 14 04:15	0°♁	
	1753 Mar 04 04:49	0°♁		morning max el	1754 Jan 15 23:40	1°♁44'26	24°10'13
morning set	1753 Mar 10 20:35	11°♁41'42		desc. node	1754 Jan 25 00:56	12°♁24'32	
max. Earth dist.	1753 Mar 14 15:43	18°♁45'12	1.36071 AU		1754 Feb 06 10:20	0°♁	
				morning set	1754 Feb 20 17:22	23°♁10'13	
superior conj	1753 Mar 20 09:32	29°♁57'09	-1°-18'-1	max. Earth dist.	1754 Feb 24 12:02	29°♁49'45	1.38074 AU
minimum elong	1753 Mar 20 13:18	0°♁16'02	1°17'27		1754 Feb 24 14:19	0°♁	
	1753 Mar 20 10:06	0°♁					
evening rise	1753 Mar 28 12:04	16°♁26'16		superior conj	1754 Mar 03 14:11	12°♁58'32	-1°-41'-31
asc. node	1753 Mar 28 16:08	16°♁46'58		minimum elong	1754 Mar 03 18:25	13°♁18'47	1°41'04
	1753 Apr 04 12:04	0°♁		evening rise	1754 Mar 12 11:06	0°♁20'18	
evening max el	1753 Apr 15 03:53	15°♁04'01	19°57'04		1754 Mar 12 06:59	0°♁	
retrograde	1753 Apr 25 08:03	19°♁58'36		asc. node	1754 Mar 15 13:10	6°♁21'08	
evening set	1753 Apr 27 08:50	19°♁47'43		evening max el	1754 Mar 28 23:56	27°♁03'31	19°00'45
inferior conj	1753 May 06 06:19	15°♁47'41	0°-2'-20		1754 Apr 01 22:07	0°♁	
minimum elong	1753 May 06 06:13	15°♁47'51	0°02'19	retrograde	1754 Apr 06 13:31	1°♁12'41	
transit begin	1753 May 06 02:16	15°♁53'50		evening set	1754 Apr 08 17:35	0°♁57'48	
transit end	1753 May 06 10:09	15°♁41'51			1754 Apr 11 11:42	30°♁	
desc. node	1753 May 06 03:05	15°♁52'36		inferior conj	1754 Apr 16 20:36	26°♁42'53	1°41'32
min. Earth dist.	1753 May 08 07:39	14°♁32'58	0.55433 AU	minimum elong	1754 Apr 17 00:10	26°♁36'38	1°40'23
morning rise	1753 May 15 00:38	11°♁21'46		min. Earth dist.	1754 Apr 19 23:09	24°♁33'26	0.56808 AU
direct	1753 May 19 04:07	10°♁43'58		desc. node	1754 Apr 23 00:06	22°♁42'16	
morning max el	1753 Jun 01 23:15	17°♁34'25	24°08'03	morning rise	1754 Apr 25 02:33	21°♁42'58	
	1753 Jun 12 02:39	0°♁		direct	1754 Apr 30 07:07	20°♁39'20	
asc. node	1753 Jun 24 15:26	22°♁23'55		morning max el	1754 May 14 13:48	28°♁01'59	25°44'19
morning set	1753 Jun 26 14:53	26°♁30'45			1754 May 16 12:21	0°♁	
	1753 Jun 28 06:15	0°♁			1754 Jun 05 10:33	0°♁	
				morning set	1754 Jun 11 02:27	11°♁25'55	
superior conj	1753 Jul 03 16:07	11°♁42'49	1°22'30	asc. node	1754 Jun 11 12:26	12°♁18'44	
minimum elong	1753 Jul 03 13:43	11°♁29'51	1°22'11				
max. Earth dist.	1753 Jul 05 14:02	15°♁50'09	1.33188 AU	superior conj	1754 Jun 18 02:51	26°♁38'53	1°04'41
evening rise	1753 Jul 11 02:01	27°♁18'42		minimum elong	1754 Jun 18 00:32	26°♁26'14	1°04'17
	1753 Jul 12 10:15	0°♁		max. Earth dist.	1754 Jun 18 23:01	28°♁29'23	1.32510 AU
	1753 Jul 29 18:42	0°♁			1754 Jun 19 15:36	0°♁	
desc. node	1753 Aug 02 02:23	4°♁43'41		evening rise	1754 Jun 25 04:52	11°♁51'16	
evening max el	1753 Aug 13 11:05	18°♁05'26	27°25'52		1754 Jul 04 14:52	0°♁	
retrograde	1753 Aug 27 02:43	25°♁23'15		desc. node	1754 Jul 19 23:24	23°♁13'47	
evening set	1753 Sep 03 06:51	22°♁45'16			1754 Jul 26 00:53	0°♁	
min. Earth dist.	1753 Sep 06 22:32	19°♁33'46	0.63586 AU	evening max el	1754 Jul 26 18:24	0°♁42'19	27°12'38
inferior conj	1753 Sep 09 13:02	16°♁55'06	-3°-24'-22	retrograde	1754 Aug 09 14:46	7°♁57'09	
minimum elong	1753 Sep 09 18:05	16°♁42'13	3°22'51	evening set	1754 Aug 16 18:02	5°♁36'53	
morning rise	1753 Sep 16 07:36	11°♁36'02		min. Earth dist.	1754 Aug 20 08:35	2°♁50'55	0.61734 AU
direct	1753 Sep 18 18:44	11°♁06'28		inferior conj	1754 Aug 23 10:18	0°♁05'17	-4°-12'-59
asc. node	1753 Sep 20 14:39	11°♁23'05		minimum elong	1754 Aug 23 15:26	29°♁53'42	4°11'54
morning max el	1753 Sep 25 08:32	14°♁32'10	17°52'49		1754 Aug 23 12:38	30°♁	
	1753 Oct 06 02:32	0°♁		morning rise	1754 Aug 30 15:39	25°♁06'37	
morning set	1753 Oct 11 22:52	10°♁05'04		direct	1754 Sep 02 00:52	24°♁42'29	
	1753 Oct 23 15:49	0°♁		asc. node	1754 Sep 07 11:40	26°♁52'49	
				morning max el	1754 Sep 08 23:19	28°♁11'34	17°55'52
superior conj	1753 Oct 24 07:06	1°♁03'05	0°31'57		1754 Sep 10 15:34	0°♁	
minimum elong	1753 Oct 24 10:22	1°♁16'30	0°31'31	morning set	1754 Sep 24 20:16	23°♁07'10	
desc. node	1753 Oct 29 01:43	8°♁49'36			1754 Sep 28 15:11	0°♁	
max. Earth dist.	1753 Oct 30 08:04	10°♁51'23	1.44102 AU				
evening rise	1753 Nov 09 02:41	26°♁11'08		superior conj	1754 Oct 05 11:03	12°♁05'46	1°07'27
	1753 Nov 11 14:20	0°♁		minimum elong	1754 Oct 05 15:40	12°♁25'46	1°06'55
greatest brilliancy	1753 Dec 02 01:35	29°♁48'57	-0.5m	max. Earth dist.	1754 Oct 12 21:30	24°♁38'31	1.42640 AU
	1753 Dec 02 04:59	0°♁		desc. node	1754 Oct 15 22:43	29°♁36'22	
evening max el	1753 Dec 07 18:18	6°♁34'06	20°44'35		1754 Oct 16 04:36	0°♁	
retrograde	1753 Dec 16 00:03	11°♁26'19		evening rise	1754 Oct 19 15:24	5°♁29'22	
asc. node	1753 Dec 17 13:53	11°♁12'24			1754 Nov 04 22:39	0°♁	
evening set	1753 Dec 19 21:19	9°♁59'51		greatest brilliancy	1754 Nov 15 20:16	14°♁42'08	-0.4m
inferior conj	1753 Dec 25 07:41	3°♁47'46	2°24'55	evening max el	1754 Nov 20 14:12	20°♁04'56	21°57'52
minimum elong	1753 Dec 25 05:06	3°♁56'35	2°24'05	retrograde	1754 Nov 29 20:39	25°♁35'50	
min. Earth dist.	1753 Dec 25 20:33	3°♁03'46	0.67391 AU	evening set	1754 Dec 04 05:06	23°♁53'00	

asc. node	1754 Dec 04 10:55	23°♁41'04		min. Earth dist.	1755 Nov 23 12:39	1°♁54'03	0.67785 AU
inferior conj	1754 Dec 09 14:35	17°♁32'28	1°41'42	inferior conj	1755 Nov 23 21:59	1°♁21'57	0°52'44
minimum elong	1754 Dec 09 12:29	17°♁39'43	1°40'55	minimum elong	1755 Nov 23 20:47	1°♁26'05	0°52'14
min. Earth dist.	1754 Dec 09 15:55	17°♁27'51	0.67762 AU		1755 Nov 24 22:01	30°♁	
morning rise	1754 Dec 14 19:41	11°♁18'36		morning rise	1755 Nov 29 05:42	25°♁11'25	
direct	1754 Dec 19 14:56	9°♁18'04		direct	1755 Dec 03 10:21	23°♁33'45	
morning max el	1754 Dec 29 09:48	15°♁05'30	22°41'50	morning max el	1755 Dec 12 01:11	28°♁35'20	21°18'21
greatest brilliancy	1755 Jan 03 00:17	20°♁13'48	-0.3m		1755 Dec 13 09:29	0°♁	
	1755 Jan 10 12:08	0°♁		greatest brilliancy	1755 Dec 17 06:05	4°♁32'59	-0.4m
desc. node	1755 Jan 11 21:58	1°♁57'43		desc. node	1755 Dec 29 19:01	21°♁57'02	
	1755 Jan 30 10:31	0°♁			1756 Jan 04 04:16	0°♁	
morning set	1755 Feb 01 11:06	3°♁18'10		morning set	1756 Jan 12 00:16	12°♁06'13	
max. Earth dist.	1755 Feb 06 07:57	11°♁27'26	1.40223 AU	max. Earth dist.	1756 Jan 19 09:24	23°♁58'01	1.42236 AU
					1756 Jan 23 00:36	0°♁	
superior conj	1755 Feb 14 02:37	25°♁09'36	-1°-58'-29	superior conj	1756 Jan 26 17:37	6°♁18'14	-2°-4'-36
minimum elong	1755 Feb 14 05:46	25°♁23'54	1°58'20	minimum elong	1756 Jan 26 17:16	6°♁16'45	2°04'37
	1755 Feb 16 17:58	0°♁		evening rise	1756 Feb 07 00:51	26°♁22'09	
evening rise	1755 Feb 24 00:36	13°♁41'43			1756 Feb 09 00:57	0°♁	
asc. node	1755 Mar 02 10:12	25°♁33'26		asc. node	1756 Feb 17 07:15	14°♁16'32	
	1755 Mar 05 00:35	0°♁		evening max el	1756 Feb 23 14:42	22°♁33'46	18°08'26
evening max el	1755 Mar 12 04:35	9°♁36'18	18°24'38	retrograde	1756 Mar 01 07:55	25°♁59'13	
retrograde	1755 Mar 19 14:13	13°♁15'43		evening set	1756 Mar 03 22:31	25°♁28'31	
evening set	1755 Mar 21 23:38	12°♁53'51		inferior conj	1756 Mar 10 15:39	20°♁32'08	3°31'24
inferior conj	1755 Mar 29 08:09	8°♁18'37	2°52'44	minimum elong	1756 Mar 10 17:46	20°♁27'05	3°31'10
minimum elong	1755 Mar 29 11:57	8°♁10'48	2°51'53	min. Earth dist.	1756 Mar 13 20:55	17°♁30'11	0.60871 AU
min. Earth dist.	1755 Apr 01 18:42	5°♁30'55	0.58733 AU	morning rise	1756 Mar 17 09:58	14°♁41'59	
morning rise	1755 Apr 05 20:17	2°♁48'45		direct	1756 Mar 24 04:02	12°♁27'38	
desc. node	1755 Apr 09 21:07	1°♁21'28		desc. node	1756 Mar 26 18:11	12°♁46'12	
direct	1755 Apr 11 23:40	1°♁09'47		morning max el	1756 Apr 07 09:46	20°♁20'42	27°41'52
morning max el	1755 Apr 26 08:39	8°♁52'11	26°59'30		1756 Apr 15 17:02	0°♁	
	1755 May 12 10:00	0°♁			1756 May 04 07:01	0°♁	
morning set	1755 May 26 12:14	26°♁15'03		morning set	1756 May 09 18:21	10°♁50'43	
	1755 May 28 06:47	0°♁		asc. node	1756 May 15 06:31	22°♁32'23	
asc. node	1755 May 29 09:29	2°♁23'22		max. Earth dist.	1756 May 15 22:44	24°♁00'42	1.32296 AU
superior conj	1755 Jun 02 14:38	11°♁36'23	0°43'16	superior conj	1756 May 17 01:44	26°♁28'19	0°18'57
minimum elong	1755 Jun 02 12:52	11°♁26'37	0°42'55	minimum elong	1756 May 17 00:53	26°♁23'38	0°18'45
max. Earth dist.	1755 Jun 02 11:14	11°♁17'38	1.32211 AU		1756 May 18 16:21	0°♁	
evening rise	1755 Jun 09 12:50	26°♁37'48		evening rise	1756 May 23 23:40	11°♁29'51	
	1755 Jun 11 03:40	0°♁			1756 Jun 02 10:05	0°♁	
	1755 Jun 28 07:00	0°♁		evening max el	1756 Jun 19 13:20	23°♁41'24	25°11'05
desc. node	1755 Jul 06 20:25	10°♁37'23		desc. node	1756 Jun 22 17:26	26°♁26'21	
evening max el	1755 Jul 08 19:25	12°♁34'59	26°26'14		1756 Jun 28 23:43	0°♁	
retrograde	1755 Jul 22 18:58	19°♁47'21		retrograde	1756 Jul 03 13:28	0°♁48'44	
evening set	1755 Jul 29 09:54	17°♁57'41			1756 Jul 08 03:16	30°♁	
min. Earth dist.	1755 Aug 02 08:32	15°♁22'13	0.59689 AU	evening set	1756 Jul 09 02:26	29°♁37'50	
inferior conj	1755 Aug 05 16:06	12°♁46'22	-4°-47'-13	min. Earth dist.	1756 Jul 14 01:04	26°♁53'56	0.57676 AU
minimum elong	1755 Aug 05 19:21	12°♁39'59	4°46'54	inferior conj	1756 Jul 17 03:02	24°♁48'08	-4°-55'-41
morning rise	1755 Aug 13 08:10	8°♁10'44		minimum elong	1756 Jul 17 01:54	24°♁50'05	4°55'40
direct	1755 Aug 15 18:09	7°♁49'50		morning rise	1756 Jul 25 05:08	20°♁35'04	
morning max el	1755 Aug 23 09:43	11°♁31'52	18°18'25	direct	1756 Jul 27 18:09	20°♁15'51	
asc. node	1755 Aug 25 08:43	13°♁37'25		morning max el	1756 Aug 05 12:31	24°♁22'43	19°01'40
	1755 Sep 04 16:41	0°♁			1756 Aug 10 07:16	0°♁	
morning set	1755 Sep 08 07:48	6°♁50'01		asc. node	1756 Aug 11 05:46	1°♁20'53	
superior conj	1755 Sep 17 15:34	24°♁21'14	1°30'45	morning set	1756 Aug 22 05:15	21°♁01'38	
minimum elong	1755 Sep 17 19:05	24°♁37'18	1°30'26		1756 Aug 26 18:05	0°♁	
	1755 Sep 20 18:43	0°♁		superior conj	1756 Aug 30 15:00	7°♁32'41	1°42'55
max. Earth dist.	1755 Sep 25 05:06	7°♁44'00	1.40762 AU	minimum elong	1756 Aug 30 16:36	7°♁40'25	1°42'50
evening rise	1755 Sep 29 22:41	15°♁39'45		max. Earth dist.	1756 Sep 06 08:39	20°♁05'29	1.38715 AU
desc. node	1755 Oct 02 19:45	20°♁19'49		evening rise	1756 Sep 10 06:06	26°♁57'30	
	1755 Oct 09 00:11	0°♁			1756 Sep 12 00:45	0°♁	
	1755 Oct 30 20:38	0°♁		desc. node	1756 Sep 18 16:47	10°♁55'38	
evening max el	1755 Nov 03 05:20	3°♁37'45	23°17'09		1756 Oct 01 13:30	0°♁	
retrograde	1755 Nov 13 14:39	9°♁47'01		evening max el	1756 Oct 15 17:51	17°♁14'26	24°36'22
evening set	1755 Nov 18 11:57	7°♁46'59		retrograde	1756 Oct 27 04:55	23°♁55'49	
asc. node	1755 Nov 21 07:57	4°♁48'18					

evening set	1756 Nov 01 16:16	21°♌39'02		1757 Sep 04 17:31	0°♊	
min. Earth dist.	1756 Nov 06 08:20	16°♌19'55	0.67475 AU	desc. node	1757 Sep 05 13:48	1°♊19'05
inferior conj	1756 Nov 07 04:09	15°♌13'48	0°00'42		1757 Sep 27 08:06	0°♌
minimum elong	1756 Nov 07 04:10	15°♌13'44	0°00'43	evening max el	1757 Sep 28 05:51	0°♌54'00 25°48'08
transit begin	1756 Nov 07 01:26	15°♌22'54		retrograde	1757 Oct 10 14:24	7°♌57'12
transit end	1756 Nov 07 06:55	15°♌04'35		evening set	1757 Oct 16 16:12	5°♌25'53
asc. node	1756 Nov 07 05:00	15°♌11'01		min. Earth dist.	1757 Oct 21 00:29	0°♌42'30 0.66839 AU
morning rise	1756 Nov 12 16:30	9°♌09'08			1757 Oct 21 13:57	30°♊
direct	1756 Nov 16 08:09	7°♌52'30		inferior conj	1757 Oct 22 07:15	29°♊05'01 0°-57'-19
morning max el	1756 Nov 24 00:03	12°♌15'42	20°05'44	minimum elong	1757 Oct 22 08:44	29°♊00'18 0°56'42
greatest brilliancy	1756 Nov 30 23:57	20°♌44'13	-0.6m	asc. node	1757 Oct 25 02:04	25°♊44'37
	1756 Dec 07 12:12	0°♊		morning rise	1757 Oct 28 02:06	23°♊09'02
desc. node	1756 Dec 15 16:04	12°♊15'12		direct	1757 Oct 31 06:45	22°♊10'17
morning set	1756 Dec 20 20:48	20°♊13'49		morning max el	1757 Nov 07 06:24	26°♊05'04 19°07'22
	1756 Dec 27 03:14	0°♊			1757 Nov 10 16:26	0°♌
max. Earth dist.	1756 Dec 31 18:26	7°♊20'46	1.43844 AU	morning set	1757 Nov 30 01:27	28°♌53'29
					1757 Nov 30 18:30	0°♊
superior conj	1757 Jan 06 06:50	16°♊16'02	-1°-54'-54	desc. node	1757 Dec 02 13:06	2°♊46'16
minimum elong	1757 Jan 06 01:07	15°♊52'41	1°54'35	max. Earth dist.	1757 Dec 14 09:54	21°♊21'55 1.44849 AU
	1757 Jan 14 12:25	0°♊				
evening rise	1757 Jan 19 07:34	8°♊13'19		superior conj	1757 Dec 16 19:21	25°♊08'45 -1°-26'-14
	1757 Feb 01 11:13	0°♊		minimum elong	1757 Dec 16 10:34	24°♊33'58 1°25'21
asc. node	1757 Feb 03 04:18	2°♊21'31			1757 Dec 19 20:44	0°♊
evening max el	1757 Feb 06 03:14	5°♊48'04	18°11'33	evening rise	1757 Dec 31 16:34	19°♊07'43
retrograde	1757 Feb 12 14:19	9°♊13'31			1758 Jan 07 07:30	0°♊
evening set	1757 Feb 15 09:56	8°♊32'46		evening max el	1758 Jan 20 15:18	19°♊11'20 18°33'13
inferior conj	1757 Feb 21 15:20	3°♊15'55	3°44'12	asc. node	1758 Jan 21 01:22	19°♊36'20
minimum elong	1757 Feb 21 15:27	3°♊15'37	3°44'13	retrograde	1758 Jan 27 05:09	22°♊49'07
min. Earth dist.	1757 Feb 24 07:44	0°♊23'50	0.62921 AU	evening set	1758 Jan 30 06:13	21°♊57'15
	1757 Feb 24 17:04	30°♊		inferior conj	1758 Feb 05 03:08	16°♊21'28 3°37'55
morning rise	1757 Feb 27 18:55	27°♊13'49		minimum elong	1758 Feb 05 01:41	16°♊25'45 3°37'47
direct	1757 Mar 06 17:44	24°♊34'09		min. Earth dist.	1758 Feb 07 04:00	13°♊56'53 0.64677 AU
desc. node	1757 Mar 13 15:14	26°♊46'28		morning rise	1758 Feb 10 19:52	10°♊12'23
	1757 Mar 17 23:59	0°♊		direct	1758 Feb 17 14:38	7°♊22'04
morning max el	1757 Mar 20 16:08	2°♊29'43	27°46'58	desc. node	1758 Feb 28 12:17	12°♊47'03
	1757 Apr 10 01:05	0°♊		morning max el	1758 Mar 03 01:21	15°♊11'03 27°16'58
morning set	1757 Apr 23 18:38	25°♊05'45			1758 Mar 15 04:50	0°♊
	1757 Apr 26 04:16	0°♊			1758 Apr 02 17:59	0°♊
max. Earth dist.	1757 Apr 29 05:38	6°♊25'37	1.32786 AU	morning set	1758 Apr 07 10:13	8°♊50'46
				max. Earth dist.	1758 Apr 12 04:09	18°♊21'19 1.33709 AU
superior conj	1757 May 01 10:26	11°♊09'04	0°-7'-32			
minimum elong	1757 May 01 10:48	11°♊11'03	0°07'28	superior conj	1758 Apr 15 14:45	25°♊31'54 0°-35'-13
behind sun begin	1757 May 01 06:09	10°♊45'56		minimum elong	1758 Apr 15 16:31	25°♊41'13 0°34'52
behind sun end	1757 May 01 15:27	11°♊36'10			1758 Apr 17 17:17	0°♊
asc. node	1757 May 02 03:35	12°♊41'48		asc. node	1758 Apr 19 00:39	2°♊47'08
evening rise	1757 May 08 11:33	26°♊21'10		evening rise	1758 Apr 22 22:33	11°♊05'03
	1757 May 10 05:20	0°♊			1758 May 02 18:38	0°♊
	1757 May 28 04:34	0°♊		evening max el	1758 May 13 20:06	14°♊49'26 22°03'02
evening max el	1757 Jun 01 03:20	4°♊16'47	23°38'19	retrograde	1758 May 26 13:23	21°♊05'25
desc. node	1757 Jun 09 14:27	10°♊06'01		desc. node	1758 May 27 11:28	21°♊03'30
retrograde	1757 Jun 14 19:34	11°♊07'43		evening set	1758 May 29 07:57	20°♊48'20
evening set	1757 Jun 18 21:22	10°♊31'15		min. Earth dist.	1758 Jun 07 01:27	17°♊04'19 0.55060 AU
min. Earth dist.	1757 Jun 25 13:48	7°♊23'29	0.56023 AU	inferior conj	1758 Jun 07 16:29	16°♊43'14 -3°-5'-15
inferior conj	1757 Jun 27 17:50	6°♊05'19	-4°-24'-20	minimum elong	1758 Jun 07 08:52	16°♊53'54 3°02'59
minimum elong	1757 Jun 27 11:34	6°♊14'47	4°23'16	morning rise	1758 Jun 16 11:26	12°♊50'31
morning rise	1757 Jul 06 05:08	2°♊08'55		direct	1758 Jun 19 12:54	12°♊29'39
direct	1757 Jul 08 23:03	1°♊50'01		morning max el	1758 Jul 01 09:52	18°♊03'00 21°30'46
morning max el	1757 Jul 19 04:56	6°♊34'49	20°06'16		1758 Jul 10 20:47	0°♊
asc. node	1757 Jul 29 02:49	19°♊49'59		asc. node	1758 Jul 15 23:53	8°♊53'48
	1757 Aug 03 14:45	0°♊		morning set	1758 Jul 21 18:11	20°♊20'54
morning set	1757 Aug 06 09:29	5°♊34'03			1758 Jul 26 08:35	0°♊
superior conj	1757 Aug 14 04:10	21°♊25'34	1°45'51	superior conj	1758 Jul 29 03:01	5°♊48'12 1°41'20
minimum elong	1757 Aug 14 03:59	21°♊24'40	1°45'51	minimum elong	1758 Jul 29 01:32	5°♊40'29 1°41'16
	1757 Aug 18 12:38	0°♊		max. Earth dist.	1758 Aug 02 01:51	13°♊54'02 1.35068 AU
max. Earth dist.	1757 Aug 19 13:45	2°♊00'24	1.36756 AU	evening rise	1758 Aug 06 11:47	22°♊33'12
evening rise	1757 Aug 23 11:58	9°♊19'09			1758 Aug 10 11:59	0°♊

desc. node	1758 Aug 23 10:48	21°♄24'17		1759 Jul 17 20:36	0°♁	
	1758 Aug 29 10:54	0°♁		1759 Jul 21 00:57	6°♁26'16	
evening max el	1758 Sep 10 18:08	14°♁31'00	26°44'41	1759 Aug 03 02:21	0°♄	
retrograde	1758 Sep 23 18:36	21°♁45'42		1759 Aug 10 07:49	11°♄02'28	
evening set	1758 Sep 30 09:44	19°♁04'38		1759 Aug 24 05:54	27°♄54'10	27°18'47
min. Earth dist.	1758 Oct 04 10:40	14°♁58'24	0.65860 AU	1759 Aug 26 13:56	0°♁	
inferior conj	1758 Oct 06 05:18	12°♁52'33	-1°-55'-26	1759 Sep 06 17:07	5°♁12'44	
minimum elong	1758 Oct 06 08:23	12°♁43'29	1°54'14	1759 Sep 13 18:16	2°♁30'05	
asc. node	1758 Oct 11 23:06	7°♁21'20		1759 Sep 16 13:20	30°♄	
morning rise	1758 Oct 12 08:22	7°♁08'29		1759 Sep 17 12:37	29°♄00'07	0.64520 AU
direct	1758 Oct 15 04:16	6°♁23'56		1759 Sep 19 19:59	26°♄30'53	-2°-52'-53
morning max el	1758 Oct 21 18:41	10°♁00'19	18°24'59	1759 Sep 20 00:29	26°♄18'45	2°51'21
	1758 Nov 04 19:45	0°♄		1759 Sep 26 08:39	21°♄01'59	
morning set	1758 Nov 10 08:23	8°♄54'45		1759 Sep 28 22:11	20°♄28'00	
desc. node	1758 Nov 19 10:07	23°♄26'27		1759 Sep 28 20:08	20°♄28'03	
	1758 Nov 23 13:37	0°♂		1759 Oct 05 10:17	23°♄55'06	17°59'31
				1759 Oct 10 07:50	0°♁	
superior conj	1758 Nov 25 20:29	3°♂36'01	0°-42'-3	1759 Oct 22 19:52	20°♁19'27	
minimum elong	1758 Nov 25 15:03	3°♂14'39	0°41'22	1759 Oct 28 14:21	0°♄	
max. Earth dist.	1758 Nov 27 04:57	5°♂43'35	1.45134 AU			
evening rise	1758 Dec 12 02:09	29°♂05'39		1759 Nov 05 07:52	12°♄38'19	0°06'32
	1758 Dec 12 15:58	0°♁		1759 Nov 05 08:38	12°♄41'25	0°06'26
greatest brilliancy	1758 Dec 25 02:12	19°♁23'28	-0.7m	1759 Nov 04 23:01	12°♄02'40	
	1759 Jan 01 16:17	0°♁		1759 Nov 05 18:16	13°♄20'07	
evening max el	1759 Jan 04 00:33	2°♁38'57	19°12'17	1759 Nov 06 07:07	14°♄11'43	
asc. node	1759 Jan 07 22:24	5°♁47'26		1759 Nov 09 23:40	20°♄04'25	1.44675 AU
retrograde	1759 Jan 11 00:54	6°♁39'36		1759 Nov 16 07:28	0°♂	
evening set	1759 Jan 14 08:28	5°♁35'29		1759 Nov 21 16:28	8°♂19'31	
inferior conj	1759 Jan 19 23:36	29°♁43'06	3°17'35	1759 Dec 05 23:33	0°♁	
minimum elong	1759 Jan 19 21:15	29°♁50'37	3°17'07	1759 Dec 11 11:33	7°♁51'33	-0.6m
	1759 Jan 19 18:19	30°♁		1759 Dec 18 05:07	16°♁07'56	20°07'05
min. Earth dist.	1759 Jan 21 09:17	27°♁55'31	0.66043 AU	1759 Dec 25 22:41	20°♁40'02	
morning rise	1759 Jan 25 09:12	23°♁29'51		1759 Dec 25 19:25	20°♁39'55	
direct	1759 Jan 31 17:47	20°♁42'43		1759 Dec 29 14:21	19°♁22'13	
morning max el	1759 Feb 13 11:05	28°♁13'50	26°18'18	1760 Jan 04 01:55	13°♁16'14	2°46'38
	1759 Feb 15 03:47	0°♁		1760 Jan 03 23:16	13°♁25'08	2°45'53
desc. node	1759 Feb 15 09:20	0°♁15'01		1760 Jan 04 21:54	12°♁09'01	0.67003 AU
	1759 Mar 08 22:50	0°♂		1760 Jan 09 07:36	7°♁01'01	
morning set	1759 Mar 21 13:21	21°♂54'48		1760 Jan 15 02:33	4°♁27'23	
max. Earth dist.	1759 Mar 25 15:34	29°♂44'53	1.35085 AU	1760 Jan 26 19:53	11°♁26'59	25°00'06
	1759 Mar 25 18:40	0°♂		1760 Feb 02 06:22	18°♁45'01	
				1760 Feb 10 16:19	0°♁	
superior conj	1759 Mar 30 12:21	9°♂29'52	-1°-2'-50	1760 Feb 29 15:45	0°♂	
minimum elong	1759 Mar 30 15:29	9°♂45'55	1°02'17	1760 Mar 02 23:03	4°♂03'38	
asc. node	1759 Apr 05 21:41	22°♂44'14		1760 Mar 06 15:58	10°♂47'39	1.36882 AU
evening rise	1759 Apr 07 06:45	25°♂35'13				
	1759 Apr 09 10:45	0°♂		1760 Mar 13 00:15	22°♂54'53	-1°-28'-33
evening max el	1759 Apr 25 22:07	25°♂47'34	20°38'06	1760 Mar 13 04:22	23°♂15'02	1°28'01
	1759 May 01 18:37	0°♄		1760 Mar 16 13:48	0°♂	
retrograde	1759 May 07 02:27	1°♄13'20		1760 Mar 21 09:55	9°♂44'55	
evening set	1759 May 09 05:11	1°♄02'28		1760 Mar 22 18:43	12°♂28'38	
	1759 May 12 18:27	30°♂		1760 Apr 01 12:54	0°♂	
desc. node	1759 May 14 08:31	29°♂17'38		1760 Apr 07 11:58	7°♂25'24	19°30'42
inferior conj	1759 May 18 10:27	27°♂04'49	-1°-11'-11	1760 Apr 16 23:08	11°♂59'34	
minimum elong	1759 May 18 07:05	27°♂09'40	1°09'58	1760 Apr 19 00:25	11°♂47'36	
min. Earth dist.	1759 May 19 13:57	26°♂25'17	0.55017 AU	1760 Apr 27 14:26	7°♂42'17	0°45'05
morning rise	1759 May 27 07:42	22°♂56'06		1760 Apr 27 16:19	7°♂39'15	0°44'24
direct	1759 May 30 22:53	22°♂27'42		1760 Apr 30 04:31	6°♂02'56	0.55920 AU
morning max el	1759 Jun 13 05:15	28°♂52'06	23°09'22	1760 Apr 30 05:33	6°♂01'20	
	1759 Jun 14 09:08	0°♄		1760 May 06 04:28	3°♂01'45	
asc. node	1759 Jul 02 20:55	28°♄22'56		1760 May 10 18:02	2°♂14'40	
	1759 Jul 03 16:13	0°♁		1760 May 24 20:02	9°♂21'10	24°50'38
morning set	1759 Jul 06 05:19	5°♁15'27		1760 Jun 09 05:12	0°♄	
				1760 Jun 18 17:57	18°♄10'33	
superior conj	1759 Jul 13 08:20	20°♁30'10	1°30'50	1760 Jun 19 17:13	20°♄12'27	
minimum elong	1759 Jul 13 06:07	20°♁18'18	1°30'36	1760 Jun 24 06:22	0°♁	
max. Earth dist.	1759 Jul 15 23:03	26°♁02'50	1.33755 AU			

superior conj	1760 Jun 26 17:43	5°♄23'44	1°15'27	superior conj	1761 Jun 11 05:09	20°♃21'24	0°56'01
minimum elong	1760 Jun 26 15:18	5°♄10'35	1°15'05	minimum elong	1761 Jun 11 03:01	20°♃09'41	0°55'37
max. Earth dist.	1760 Jun 28 04:21	8°♄31'50	1.32849 AU	max. Earth dist.	1761 Jun 11 14:59	21°♃15'30	1.32337 AU
evening rise	1760 Jul 03 23:43	20°♄47'41			1761 Jun 15 15:17	0°♄	
	1760 Jul 08 15:27	0°♄		evening rise	1761 Jun 18 05:03	5°♄27'20	
	1760 Jul 27 04:11	0°♄			1761 Jul 01 06:54	0°♄	
desc. node	1760 Jul 27 04:49	0°♄02'06		desc. node	1761 Jul 14 01:51	18°♄06'58	
evening max el	1760 Aug 05 15:27	10°♄51'29	27°24'09	evening max el	1761 Jul 18 20:27	23°♄10'58	26°56'51
retrograde	1760 Aug 19 09:34	18°♄08'59			1761 Jul 29 15:31	0°♄	
evening set	1760 Aug 26 14:29	15°♄36'35		retrograde	1761 Aug 01 18:46	0°♄25'00	
min. Earth dist.	1760 Aug 30 04:47	12°♄37'28	0.62833 AU		1761 Aug 04 20:24	30°♄	
inferior conj	1760 Sep 02 00:33	9°♄53'46	-3°-46'-14	evening set	1761 Aug 08 18:05	28°♄16'32	
minimum elong	1760 Sep 02 05:49	9°♄41'00	3°44'49	min. Earth dist.	1761 Aug 12 10:38	25°♄36'53	0.60876 AU
morning rise	1760 Sep 08 23:44	4°♄43'17		inferior conj	1761 Aug 15 15:42	22°♄53'05	-4°-29'-53
direct	1760 Sep 11 09:35	4°♄16'29		minimum elong	1761 Aug 15 20:20	22°♄43'12	4°29'07
asc. node	1760 Sep 14 17:10	5°♄08'24		morning rise	1761 Aug 23 01:40	18°♄03'48	
morning max el	1760 Sep 18 02:16	7°♄42'39	17°51'47	direct	1761 Aug 25 10:43	17°♄41'23	
	1760 Oct 02 16:02	0°♄		morning max el	1761 Sep 01 15:34	21°♄15'09	18°02'56
morning set	1760 Oct 04 06:41	2°♄51'15		asc. node	1761 Sep 01 14:12	21°♄11'51	
					1761 Sep 08 07:16	0°♄	
superior conj	1760 Oct 15 20:06	22°♄55'01	0°48'30	morning set	1761 Sep 17 10:45	16°♄12'39	
minimum elong	1760 Oct 16 00:21	23°♄12'53	0°47'56		1761 Sep 24 22:39	0°♄	
	1760 Oct 20 02:30	0°♄					
max. Earth dist.	1760 Oct 22 15:05	4°♄06'24	1.43542 AU	superior conj	1761 Sep 27 11:07	4°♄30'30	1°18'48
desc. node	1760 Oct 23 04:08	4°♄59'02		minimum elong	1761 Sep 27 15:28	4°♄49'44	1°18'20
evening rise	1760 Oct 31 00:42	17°♄23'19		max. Earth dist.	1761 Oct 05 01:47	17°♄36'13	1.41879 AU
	1760 Nov 08 07:21	0°♄		desc. node	1761 Oct 10 01:10	25°♄45'12	
greatest brilliancy	1760 Nov 25 00:12	23°♄38'37	-0.4m	evening rise	1761 Oct 10 20:05	27°♄01'03	
evening max el	1760 Nov 30 04:08	29°♄37'51	21°14'45		1761 Oct 12 17:08	0°♄	
	1760 Nov 30 12:54	0°♄			1761 Nov 02 01:51	0°♄	
retrograde	1760 Dec 08 20:13	4°♄46'50		greatest brilliancy	1761 Nov 08 02:47	7°♄47'20	-0.3m
asc. node	1760 Dec 11 16:26	4°♄01'54		evening max el	1761 Nov 12 21:56	13°♄10'13	22°31'17
evening set	1760 Dec 12 21:54	3°♄13'44		retrograde	1761 Nov 22 15:50	18°♄57'40	
	1760 Dec 16 01:02	30°♄		evening set	1761 Nov 27 05:29	17°♄07'49	
inferior conj	1760 Dec 18 07:43	26°♄57'32	2°07'22	asc. node	1761 Nov 28 13:27	15°♄53'37	
minimum elong	1760 Dec 18 05:17	27°♄05'54	2°06'32	inferior conj	1761 Dec 02 15:04	10°♄45'04	1°21'34
min. Earth dist.	1760 Dec 18 15:35	26°♄30'22	0.67586 AU	minimum elong	1761 Dec 02 13:18	10°♄51'10	1°20'53
morning rise	1760 Dec 23 12:18	20°♄42'23		min. Earth dist.	1761 Dec 02 11:52	10°♄56'06	0.67813 AU
direct	1760 Dec 28 16:15	18°♄28'42		morning rise	1761 Dec 07 21:00	4°♄32'13	
morning max el	1761 Jan 08 04:30	24°♄44'24	23°32'28	direct	1761 Dec 12 09:59	2°♄41'14	
	1761 Jan 12 21:58	0°♄		morning max el	1761 Dec 21 16:19	8°♄08'29	22°05'15
desc. node	1761 Jan 19 03:23	7°♄58'52		greatest brilliancy	1761 Dec 26 08:17	13°♄23'06	-0.4m
	1761 Feb 03 04:02	0°♄		desc. node	1762 Jan 06 00:26	27°♄44'36	
morning set	1761 Feb 12 08:59	14°♄59'23			1762 Jan 07 13:58	0°♄	
max. Earth dist.	1761 Feb 16 10:35	21°♄59'57	1.38976 AU	morning set	1762 Jan 23 14:07	24°♄31'21	
	1761 Feb 20 21:52	0°♄			1762 Jan 26 22:46	0°♄	
				max. Earth dist.	1762 Jan 29 08:07	3°♄58'21	1.41116 AU
superior conj	1761 Feb 23 22:35	5°♄36'03	-1°-49'-45				
minimum elong	1761 Feb 24 02:36	5°♄54'53	1°49'26	superior conj	1762 Feb 06 02:35	17°♄22'29	-2°-2'-42
evening rise	1761 Mar 05 05:18	23°♄25'43		minimum elong	1762 Feb 06 04:35	17°♄31'18	2°02'40
	1761 Mar 08 15:24	0°♄			1762 Feb 13 01:33	0°♄	
asc. node	1761 Mar 09 15:45	1°♄54'17		evening rise	1762 Feb 16 13:38	6°♄30'33	
evening max el	1761 Mar 21 12:07	19°♄40'22	18°43'03	asc. node	1762 Feb 24 12:48	20°♄55'03	
retrograde	1761 Mar 29 12:26	23°♄34'42			1762 Mar 02 15:06	0°♄	
evening set	1761 Mar 31 18:41	23°♄17'13		evening max el	1762 Mar 04 19:33	2°♄24'57	18°15'22
inferior conj	1761 Apr 08 13:37	18°♄54'25	2°15'54	retrograde	1762 Mar 11 20:35	5°♄56'07	
minimum elong	1761 Apr 08 17:39	18°♄46'52	2°14'47	evening set	1762 Mar 14 08:26	5°♄30'32	
min. Earth dist.	1761 Apr 11 21:45	16°♄25'47	0.57574 AU	inferior conj	1762 Mar 21 09:57	0°♄46'20	3°12'44
morning rise	1761 Apr 16 12:17	13°♄40'36		minimum elong	1762 Mar 21 13:10	0°♄39'18	3°12'10
desc. node	1761 Apr 17 02:35	13°♄25'08			1762 Mar 22 07:03	30°♄	
direct	1761 Apr 22 03:22	12°♄22'19		min. Earth dist.	1762 Mar 24 19:36	27°♄49'34	0.59643 AU
morning max el	1761 May 06 11:53	19°♄55'26	26°19'35	morning rise	1762 Mar 28 14:18	25°♄07'00	
	1761 May 15 02:15	0°♄		direct	1762 Apr 04 01:24	23°♄12'13	
	1761 Jun 01 17:06	0°♄		desc. node	1762 Apr 03 23:38	23°♄12'14	
morning set	1761 Jun 04 04:13	5°♄05'41			1762 Apr 17 08:12	0°♄	
asc. node	1761 Jun 05 15:00	8°♄10'12		morning max el	1762 Apr 18 09:03	0°♄59'29	27°21'55
					1762 May 09 05:05	0°♄	

morning set	1762 May 19 12:40	19° $\text{8}^{\circ}49'26$		1763 May 01 13:28	0° 8°	
asc. node	1762 May 23 12:04	28° $\text{8}^{\circ}17'05$		morning set	1763 May 03 16:38	4° $\text{8}^{\circ}17'27$
	1762 May 24 07:00	0° II		max. Earth dist.	1763 May 09 13:36	16° $\text{8}^{\circ}40'59$ 1.32453 AU
max. Earth dist.	1762 May 26 03:22	4° $\text{II}^{\circ}02'55$	1.32204 AU	asc. node	1763 May 10 09:09	18° $\text{8}^{\circ}26'57$
superior conj	1762 May 26 16:51	5° $\text{II}^{\circ}17'01$	0°33'17	superior conj	1763 May 11 03:09	20° $\text{8}^{\circ}04'58$ 0°07'56
minimum elong	1762 May 26 15:25	5° $\text{II}^{\circ}09'10$	0°32'58	minimum elong	1763 May 11 02:47	20° $\text{8}^{\circ}02'57$ 0°07'51
evening rise	1762 Jun 02 14:29	20° $\text{II}^{\circ}17'06$		behind sun begin	1763 May 10 22:18	19° $\text{8}^{\circ}38'32$
	1762 Jun 07 08:42	0° ☾		behind sun end	1763 May 11 07:15	20° $\text{8}^{\circ}27'23$
	1762 Jun 26 08:03	0° ♁			1763 May 15 16:15	0° II
evening max el	1762 Jun 30 18:36	4° $\text{♁}^{\circ}44'09$	25°57'19	evening rise	1763 May 18 02:01	5° $\text{II}^{\circ}10'00$
desc. node	1762 Jun 30 22:53	4° $\text{♁}^{\circ}54'18$			1763 May 31 07:12	0° ☾
retrograde	1762 Jul 14 18:47	11° $\text{♁}^{\circ}54'07$		evening max el	1763 Jun 12 10:13	15° $\text{☾}^{\circ}34'52$ 24°32'55
evening set	1762 Jul 21 00:18	10° $\text{♁}^{\circ}20'52$		desc. node	1763 Jun 17 19:55	19° $\text{☾}^{\circ}53'33$
min. Earth dist.	1762 Jul 25 07:07	7° $\text{♁}^{\circ}43'58$	0.58815 AU	retrograde	1763 Jun 26 08:01	22° $\text{☾}^{\circ}36'59$
inferior conj	1762 Jul 28 13:52	5° $\text{♁}^{\circ}18'48$	-4°-54'-48	evening set	1763 Jul 01 06:54	21° $\text{☾}^{\circ}41'50$
minimum elong	1762 Jul 28 15:31	5° $\text{♁}^{\circ}15'43$	4°54'44	min. Earth dist.	1763 Jul 06 21:16	18° $\text{☾}^{\circ}49'41$ 0.56909 AU
morning rise	1762 Aug 05 10:14	0° $\text{♁}^{\circ}52'41$		inferior conj	1763 Jul 09 16:13	17° $\text{☾}^{\circ}02'22$ -4°-48'-3
direct	1762 Aug 07 21:23	0° $\text{♁}^{\circ}32'33$		minimum elong	1763 Jul 09 12:45	17° $\text{☾}^{\circ}07'57$ 4°47'45
morning max el	1762 Aug 15 23:01	4° $\text{♁}^{\circ}23'40$	18°34'10	morning rise	1763 Jul 17 22:20	12° $\text{☾}^{\circ}57'47$
asc. node	1762 Aug 19 11:17	8° $\text{♁}^{\circ}23'12$		direct	1763 Jul 20 13:27	12° $\text{☾}^{\circ}38'46$
morning set	1762 Sep 01 02:59	0° $\text{♁}^{\circ}09'17$		morning max el	1763 Jul 29 21:42	16° $\text{☾}^{\circ}59'38$ 19°26'36
	1762 Sep 01 01:03	0° ♁		asc. node	1763 Aug 06 08:21	26° $\text{☾}^{\circ}28'06$
					1763 Aug 08 11:33	0° ♁
superior conj	1762 Sep 10 00:21	17° $\text{♁}^{\circ}11'34$	1°37'10	morning set	1763 Aug 16 03:42	14° $\text{♁}^{\circ}31'36$
minimum elong	1762 Sep 10 03:05	17° $\text{♁}^{\circ}24'20$	1°36'58		1763 Aug 23 21:27	0° ♁
	1762 Sep 17 02:10	0° ♁		superior conj	1763 Aug 24 06:16	0° $\text{♁}^{\circ}43'18$ 1°45'10
max. Earth dist.	1762 Sep 17 07:42	0° $\text{♁}^{\circ}24'12$	1.39901 AU	minimum elong	1763 Aug 24 07:04	0° $\text{♁}^{\circ}47'15$ 1°45'09
evening rise	1762 Sep 21 13:31	7° $\text{♁}^{\circ}39'50$		max. Earth dist.	1763 Aug 30 11:34	12° $\text{♁}^{\circ}33'51$ 1.37859 AU
desc. node	1762 Sep 26 22:11	16° $\text{♁}^{\circ}26'04$		evening rise	1763 Sep 03 06:59	19° $\text{♁}^{\circ}26'23$
	1762 Oct 05 18:19	0° ♁			1763 Sep 09 11:26	0° ♁
evening max el	1762 Oct 26 11:50	26° $\text{♁}^{\circ}45'13$	23°51'19	desc. node	1763 Sep 13 19:13	6° $\text{♁}^{\circ}57'47$
	1762 Oct 30 02:56	0° ♁			1763 Sep 29 21:54	0° ♁
retrograde	1762 Nov 06 08:12	3° $\text{♁}^{\circ}08'27$		evening max el	1763 Oct 08 23:51	10° $\text{♁}^{\circ}23'30$ 25°08'07
evening set	1762 Nov 11 11:27	1° $\text{♁}^{\circ}01'09$		retrograde	1763 Oct 20 20:27	17° $\text{♁}^{\circ}15'18$
	1762 Nov 12 13:47	30° ♁		evening set	1763 Oct 26 14:08	14° $\text{♁}^{\circ}51'38$
asc. node	1762 Nov 15 10:30	26° $\text{♁}^{\circ}35'54$		min. Earth dist.	1763 Oct 31 02:44	9° $\text{♁}^{\circ}47'47$ 0.67254 AU
min. Earth dist.	1762 Nov 16 08:22	25° $\text{♁}^{\circ}22'35$	0.67699 AU	inferior conj	1763 Nov 01 03:13	8° $\text{♁}^{\circ}27'44$ 0°-24'-25
inferior conj	1762 Nov 16 22:09	24° $\text{♁}^{\circ}35'47$	0°30'32	minimum elong	1763 Nov 01 03:50	8° $\text{♁}^{\circ}25'43$ 0°24'10
minimum elong	1762 Nov 16 21:25	24° $\text{♁}^{\circ}38'14$	0°30'14	asc. node	1763 Nov 02 07:33	6° $\text{♁}^{\circ}56'14$
morning rise	1762 Nov 22 07:35	18° $\text{♁}^{\circ}27'36$		morning rise	1763 Nov 06 18:09	2° $\text{♁}^{\circ}26'42$
direct	1762 Nov 26 06:35	16° $\text{♁}^{\circ}59'04$		direct	1763 Nov 10 04:50	1° $\text{♁}^{\circ}18'14$
morning max el	1762 Dec 04 10:41	21° $\text{♁}^{\circ}42'35$	20°45'52	morning max el	1763 Nov 17 12:57	5° $\text{♁}^{\circ}27'47$ 19°39'00
greatest brilliancy	1762 Dec 10 06:31	28° $\text{♁}^{\circ}31'19$	-0.5m	greatest brilliancy	1763 Nov 25 16:48	15° $\text{♁}^{\circ}40'02$ -0.6m
	1762 Dec 11 09:35	0° ♁			1763 Dec 05 08:51	0° ♁
desc. node	1762 Dec 23 21:28	17° $\text{♁}^{\circ}52'46$		desc. node	1763 Dec 10 18:29	8° $\text{♁}^{\circ}17'03$
	1762 Dec 31 20:43	0° ♁		morning set	1763 Dec 12 14:30	11° $\text{♁}^{\circ}06'55$
morning set	1763 Jan 02 17:40	2° $\text{♁}^{\circ}54'15$			1763 Dec 24 16:25	0° ♁
max. Earth dist.	1763 Jan 11 13:18	16° $\text{♁}^{\circ}54'14$	1.42992 AU	max. Earth dist.	1763 Dec 25 01:37	0° $\text{♁}^{\circ}36'28$ 1.44357 AU
superior conj	1763 Jan 18 06:57	28° $\text{♁}^{\circ}01'30$	-2°-2'-41	superior conj	1763 Dec 29 08:48	7° $\text{♁}^{\circ}28'33$ -1°-45'-2
minimum elong	1763 Jan 18 04:24	27° $\text{♁}^{\circ}50'48$	2°02'38	minimum elong	1763 Dec 29 01:09	6° $\text{♁}^{\circ}57'46$ 1°44'27
	1763 Jan 19 11:02	0° ♁		evening rise	1764 Jan 12 04:49	0° ♁ 18'45
evening rise	1763 Jan 30 06:55	18° ♁ 50'56			1764 Jan 12 00:23	0° ♁
	1763 Feb 05 14:50	0° ♁		asc. node	1764 Jan 29 06:53	27° ♁ 08'06
asc. node	1763 Feb 11 09:50	9° ♁ 23'00		evening max el	1764 Jan 30 19:33	28° ♁ 48'33 18°18'30
evening max el	1763 Feb 16 07:00	15° ♁ 30'12	18°07'23		1764 Feb 01 02:16	0° ♁
retrograde	1763 Feb 22 20:21	18° ♁ 54'01		retrograde	1764 Feb 06 06:56	2° ♁ 18'15
evening set	1763 Feb 25 13:08	18° ♁ 19'03		evening set	1764 Feb 09 04:42	1° ♁ 32'57
inferior conj	1763 Mar 04 00:48	13° ♁ 13'27	3°39'34		1764 Feb 11 10:55	30° ♁
minimum elong	1763 Mar 04 02:03	13° ♁ 10'19	3°39'29	inferior conj	1764 Feb 15 06:06	26° ♁ 07'37 3°43'34
min. Earth dist.	1763 Mar 07 01:02	10° ♁ 13'25	0.61771 AU	minimum elong	1764 Feb 15 05:29	26° ♁ 09'22 3°43'32
morning rise	1763 Mar 10 12:24	7° ♁ 17'32		min. Earth dist.	1764 Feb 17 15:56	23° ♁ 25'33 0.63707 AU
direct	1763 Mar 17 09:37	4° ♁ 51'09		morning rise	1764 Feb 21 04:33	20° ♁ 01'46
desc. node	1763 Mar 21 20:41	5° ♁ 46'28		direct	1764 Feb 28 02:21	17° ♁ 15'56
morning max el	1763 Mar 31 12:38	12° ♁ 45'28	27°48'44	desc. node	1764 Mar 07 17:43	20° ♁ 42'16
	1763 Apr 14 06:00	0° ♁				

morning max el	1764 Mar 12 20:48	25°≈10'28	27°38'18	direct	1765 Feb 10 02:15	0°≈19'11	
	1764 Mar 17 06:57	0°✠		desc. node	1765 Feb 22 14:43	7°≈23'56	
	1764 Apr 06 16:44	0°Υ		morning max el	1765 Feb 23 06:33	8°≈03'08	26°54'58
morning set	1764 Apr 16 13:34	18°Υ21'03			1765 Mar 12 08:42	0°✠	
max. Earth dist.	1764 Apr 21 17:30	28°Υ55'14	1.33119 AU		1765 Mar 30 01:08	0°Υ	
	1764 Apr 22 05:48	0°♁		morning set	1765 Mar 31 00:23	1°Υ50'45	
				max. Earth dist.	1765 Apr 04 11:18	10°Υ36'21	1.34233 AU
superior conj	1764 Apr 24 10:11	4°♁38'40	0°-19'-12				
minimum elong	1764 Apr 24 11:08	4°♁43'44	0°19'01	superior conj	1765 Apr 08 11:57	18°Υ52'09	0°-47'-3
asc. node	1764 Apr 26 06:10	8°♁35'03		minimum elong	1765 Apr 08 14:19	19°Υ04'29	0°46'35
evening rise	1764 May 01 13:43	19°♁58'46		asc. node	1765 Apr 13 03:13	28°Υ37'40	
	1764 May 06 11:41	0°♁			1765 Apr 13 18:49	0°♁	
evening max el	1764 May 24 00:12	26°♁04'17	22°57'13	evening rise	1765 Apr 15 23:46	4°♁37'40	
	1764 May 28 21:21	0°♁			1765 Apr 30 03:01	0°♁	
desc. node	1764 Jun 03 16:57	2°♁27'30		evening max el	1765 May 05 20:20	6°♁45'24	21°25'09
retrograde	1764 Jun 06 08:58	2°♁43'44		retrograde	1765 May 17 23:33	12°♁41'12	
evening set	1764 Jun 09 20:03	2°♁17'26		evening set	1765 May 20 08:56	12°♁28'10	
	1764 Jun 15 10:56	30°♁		desc. node	1765 May 21 13:57	12°♁12'08	
min. Earth dist.	1764 Jun 17 09:09	28°♁55'48	0.55504 AU	inferior conj	1765 May 29 18:02	8°♁28'24	-2°-19'-28
inferior conj	1764 Jun 18 23:08	28°♁00'52	-3°-56'-31	minimum elong	1765 May 29 11:43	8°♁37'16	2°17'21
minimum elong	1764 Jun 18 15:35	28°♁11'50	3°54'47	min. Earth dist.	1765 May 29 21:24	8°♁23'40	0.54920 AU
morning rise	1764 Jun 27 14:04	24°♁08'28		morning rise	1765 Jun 07 14:51	4°♁30'52	
direct	1764 Jun 30 10:29	23°♁49'19		direct	1765 Jun 10 20:59	4°♁07'48	
morning max el	1764 Jul 11 09:19	28°♁53'42	20°40'06	morning max el	1765 Jun 23 09:47	10°♁04'02	22°11'30
	1764 Jul 12 12:36	0°♁			1765 Jul 07 17:13	0°♁	
asc. node	1764 Jul 23 05:24	15°♁13'04		asc. node	1765 Jul 10 02:26	4°♁28'24	
morning set	1764 Jul 30 10:05	29°♁10'50		morning set	1765 Jul 14 19:59	14°♁01'07	
	1764 Jul 30 19:39	0°♁					
superior conj	1764 Aug 07 00:01	14°♁50'28	1°44'45	superior conj	1765 Jul 22 01:55	29°♁22'09	1°37'33
minimum elong	1764 Aug 06 23:13	14°♁46'24	1°44'44	minimum elong	1765 Jul 22 00:04	29°♁12'20	1°37'24
max. Earth dist.	1764 Aug 11 18:46	24°♁23'54	1.35991 AU	max. Earth dist.	1765 Jul 25 10:20	6°♁20'47	1.34460 AU
	1764 Aug 14 16:52	0°♁		evening rise	1765 Jul 30 03:02	15°♁43'55	
evening rise	1764 Aug 15 21:02	2°♁11'49			1765 Aug 06 21:05	0°♁	
desc. node	1764 Aug 30 16:15	27°♁14'30		desc. node	1765 Aug 17 13:17	17°♁09'18	
	1764 Sep 01 11:58	0°♁			1765 Aug 27 01:38	0°♁	
evening max el	1764 Sep 20 11:43	24°♁02'21	26°14'23	evening max el	1765 Sep 02 23:58	7°♁35'00	27°02'25
	1764 Sep 28 10:11	0°♁		retrograde	1765 Sep 16 05:57	14°♁52'35	
retrograde	1764 Oct 03 03:56	1°♁12'26		evening set	1765 Sep 23 01:42	12°♁09'51	
	1764 Oct 07 12:00	30°♁		min. Earth dist.	1765 Sep 26 23:43	8°♁19'05	0.65327 AU
evening set	1764 Oct 09 11:38	28°♁35'57		inferior conj	1765 Sep 28 23:39	6°♁02'30	-2°-20'-5
min. Earth dist.	1764 Oct 13 16:38	24°♁08'21	0.66466 AU	minimum elong	1765 Sep 29 03:22	5°♁51'54	2°18'42
inferior conj	1764 Oct 15 04:25	22°♁18'01	-1°-21'-54	morning rise	1765 Oct 05 06:38	0°♁24'16	
minimum elong	1764 Oct 15 06:35	22°♁11'22	1°21'01	asc. node	1765 Oct 06 01:38	0°♁04'34	
asc. node	1764 Oct 19 04:35	17°♁51'36			1765 Oct 06 07:15	30°♁	
morning rise	1764 Oct 21 02:36	16°♁26'50		direct	1765 Oct 07 23:26	29°♁44'43	
direct	1764 Oct 24 03:07	15°♁34'47			1765 Oct 09 15:53	0°♁	
morning max el	1764 Oct 30 22:10	19°♁20'51	18°47'16	morning max el	1765 Oct 14 12:09	3°♁16'28	18°11'58
	1764 Nov 08 03:45	0°♁			1765 Nov 01 10:46	0°♁	
morning set	1764 Nov 21 05:05	20°♁18'22		morning set	1765 Nov 02 00:35	0°♁56'47	
desc. node	1764 Nov 26 15:31	28°♁52'41		desc. node	1765 Nov 13 12:32	19°♁35'30	
	1764 Nov 27 08:37	0°♁					
max. Earth dist.	1764 Dec 06 18:32	14°♁47'13	1.45057 AU	superior conj	1765 Nov 16 17:07	24°♁39'53	0°-21'-14
				minimum elong	1765 Nov 16 14:23	24°♁29'04	0°20'52
superior conj	1764 Dec 07 14:08	16°♁04'13	-1°-8'-50	max. Earth dist.	1765 Nov 19 13:28	29°♁09'36	1.45027 AU
minimum elong	1764 Dec 07 06:00	15°♁32'15	1°07'55		1765 Nov 20 02:17	0°♁	
	1764 Dec 16 09:42	0°♁		evening rise	1765 Dec 03 04:09	20°♁25'12	
evening rise	1764 Dec 23 03:50	10°♁48'52			1765 Dec 09 08:15	0°♁	
	1765 Jan 04 04:09	0°≈		greatest brilliancy	1765 Dec 19 10:03	15°♁14'53	-0.7m
evening max el	1765 Jan 13 06:39	12°≈14'26	18°47'50	evening max el	1765 Dec 27 14:09	25°♁43'24	19°33'53
asc. node	1765 Jan 15 03:54	13°≈57'59		asc. node	1766 Jan 02 00:56	29°♁37'40	
retrograde	1765 Jan 20 00:17	16°≈01'04		retrograde	1766 Jan 03 21:03	29°♁56'16	
evening set	1765 Jan 23 03:50	15°≈04'21		evening set	1766 Jan 07 07:52	28°♁46'36	
inferior conj	1765 Jan 28 22:00	9°≈21'20	3°30'46	inferior conj	1766 Jan 12 21:16	22°♁48'22	3°05'32
minimum elong	1765 Jan 28 20:06	9°≈27'12	3°30'30	minimum elong	1766 Jan 12 18:43	22°♁56'42	3°04'58
min. Earth dist.	1765 Jan 30 16:22	7°≈11'23	0.65304 AU	min. Earth dist.	1766 Jan 14 01:01	21°♁17'35	0.66505 AU
morning rise	1765 Feb 03 11:15	3°≈09'58		morning rise	1766 Jan 18 04:50	16°♁34'08	

direct	1766 Jan 24 08:03	13°♁51'24		direct	1767 Jan 07 19:01	27°♁44'38	
morning max el	1766 Feb 05 15:41	21°♁10'37	25°46'42		1767 Jan 13 20:24	0°♁	
desc. node	1766 Feb 09 11:44	25°♁20'47		morning max el	1767 Jan 19 00:05	4°♁25'46	24°23'18
	1766 Feb 13 07:35	0°♁		desc. node	1767 Jan 27 08:47	14°♁11'17	
	1766 Mar 05 13:28	0°♁			1767 Feb 07 15:53	0°♁	
morning set	1766 Mar 13 20:45	14°♁32'59		morning set	1767 Feb 23 21:05	26°♁12'20	
max. Earth dist.	1766 Mar 17 17:21	21°♁46'41	1.35805 AU		1767 Feb 26 00:44	0°♁	
	1766 Mar 21 22:23	0°♁		max. Earth dist.	1767 Feb 27 14:36	2°♁50'02	1.37760 AU
superior conj	1766 Mar 23 05:49	2°♁37'17	-1°-14'-7	superior conj	1767 Mar 06 12:29	15°♁45'04	-1°-38'-18
minimum elong	1766 Mar 23 09:26	2°♁55'32	1°13'33	minimum elong	1767 Mar 06 16:44	16°♁05'31	1°37'49
evening rise	1766 Mar 31 06:05	18°♁59'40			1767 Mar 13 18:23	0°♁	
asc. node	1766 Mar 31 00:15	18°♁29'56		evening rise	1767 Mar 15 06:18	2°♁58'05	
	1766 Apr 05 20:09	0°♁		asc. node	1767 Mar 17 21:17	8°♁07'02	
evening max el	1766 Apr 18 03:28	18°♁00'06	20°07'06	evening max el	1767 Mar 31 21:59	29°♁54'04	19°07'52
retrograde	1766 Apr 28 13:46	23°♁02'27			1767 Apr 01 00:27	0°♁	
evening set	1766 Apr 30 14:45	22°♁51'43		retrograde	1767 Apr 09 16:52	4°♁09'23	
desc. node	1766 May 08 10:57	19°♁33'42		evening set	1767 Apr 11 20:06	3°♁55'22	
inferior conj	1766 May 09 14:34	18°♁52'49	0°-20'-4		1767 Apr 19 16:02	30°♁	
minimum elong	1766 May 09 13:38	18°♁54'12	0°19'45	inferior conj	1767 Apr 20 01:59	29°♁43'02	1°27'42
min. Earth dist.	1766 May 11 10:39	17°♁47'07	0.55298 AU	minimum elong	1767 Apr 20 05:14	29°♁37'28	1°26'39
morning rise	1766 May 18 09:58	14°♁31'51		min. Earth dist.	1767 Apr 23 01:48	27°♁41'02	0.56554 AU
direct	1766 May 22 10:09	13°♁56'49		desc. node	1767 Apr 25 07:59	26°♁17'27	
morning max el	1766 Jun 05 02:16	20°♁40'45	23°52'56	morning rise	1767 Apr 28 10:52	24°♁48'08	
	1766 Jun 13 01:23	0°♁		direct	1767 May 03 10:52	23°♁49'16	
asc. node	1766 Jun 26 23:29	24°♁06'15			1767 May 16 11:24	0°♁	
morning set	1766 Jun 29 07:38	28°♁57'18		morning max el	1767 May 17 16:44	1°♁08'03	25°31'04
	1766 Jun 29 19:30	0°♁			1767 Jun 06 20:19	0°♁	
superior conj	1766 Jul 06 09:14	14°♁09'49	1°24'51	morning set	1767 Jun 13 19:21	13°♁53'29	
minimum elong	1766 Jul 06 06:52	13°♁57'03	1°24'33	asc. node	1767 Jun 13 20:32	13°♁59'44	
max. Earth dist.	1766 Jul 08 11:23	18°♁39'02	1.33322 AU	superior conj	1767 Jun 20 19:41	29°♁05'41	1°07'39
evening rise	1766 Jul 13 20:44	29°♁50'36		minimum elong	1767 Jun 20 17:20	28°♁52'49	1°07'15
	1766 Jul 13 22:36	0°♁			1767 Jun 21 05:36	0°♁	
	1766 Jul 30 22:22	0°♁		max. Earth dist.	1767 Jun 21 19:36	1°♁16'28	1.32583 AU
desc. node	1766 Aug 04 10:17	6°♁32'51		evening rise	1767 Jun 27 22:36	14°♁20'45	
evening max el	1766 Aug 16 11:23	20°♁50'04	27°25'02		1767 Jul 05 23:53	0°♁	
retrograde	1766 Aug 30 01:53	28°♁07'51		desc. node	1767 Jul 22 07:19	25°♁11'34	
evening set	1766 Sep 06 05:29	25°♁28'21			1767 Jul 26 08:35	0°♁	
min. Earth dist.	1766 Sep 09 21:48	22°♁12'15	0.63839 AU	evening max el	1767 Jul 29 19:20	3°♁32'42	27°16'40
inferior conj	1766 Sep 12 10:27	19°♁35'51	-3°-16'-18	retrograde	1767 Aug 12 15:03	10°♁48'14	
minimum elong	1766 Sep 12 15:23	19°♁23'04	3°14'45	evening set	1767 Aug 19 19:11	8°♁24'17	
morning rise	1766 Sep 19 03:27	14°♁14'04		min. Earth dist.	1767 Aug 23 09:23	5°♁35'28	0.62028 AU
direct	1766 Sep 21 15:09	13°♁43'24		inferior conj	1767 Aug 26 09:44	2°♁49'47	-4°-6'-23
asc. node	1766 Sep 22 22:40	13°♁52'05		minimum elong	1767 Aug 26 14:58	2°♁37'46	4°05'11
morning max el	1766 Sep 28 04:15	17°♁09'08	17°54'01		1767 Aug 29 16:44	30°♁	
	1766 Oct 07 09:19	0°♁		morning rise	1767 Sep 02 13:30	27°♁48'04	
morning set	1766 Oct 14 22:55	12°♁53'27		direct	1767 Sep 04 22:48	27°♁23'18	
	1766 Oct 25 01:04	0°♁		asc. node	1767 Sep 09 19:44	29°♁09'31	
superior conj	1766 Oct 27 14:09	4°♁11'38	0°25'34		1767 Sep 10 21:15	0°♁	
minimum elong	1766 Oct 27 16:53	4°♁22'47	0°25'11	morning max el	1767 Sep 11 19:29	0°♁51'13	17°54'13
desc. node	1766 Oct 31 09:35	10°♁22'28		morning set	1767 Sep 27 17:46	25°♁48'20	
max. Earth dist.	1766 Nov 02 07:37	13°♁26'47	1.44274 AU		1767 Sep 30 01:29	0°♁	
evening rise	1766 Nov 12 14:00	29°♁30'49		superior conj	1767 Oct 08 14:06	15°♁02'48	1°02'52
	1766 Nov 12 21:35	0°♁		minimum elong	1767 Oct 08 18:43	15°♁22'37	1°02'17
	1766 Dec 03 04:06	0°♁		max. Earth dist.	1767 Oct 15 21:39	27°♁18'30	1.42890 AU
greatest brilliancy	1766 Dec 04 18:10	2°♁07'58	-0.5m		1767 Oct 17 13:21	0°♁	
evening max el	1766 Dec 10 16:34	9°♁13'42	20°34'27	desc. node	1767 Oct 18 06:37	1°♁09'42	
retrograde	1766 Dec 18 18:55	14°♁00'23		evening rise	1767 Oct 23 01:02	8°♁44'05	
asc. node	1766 Dec 19 21:56	13°♁53'17			1767 Nov 06 03:01	0°♁	
evening set	1766 Dec 22 14:43	12°♁36'08		greatest brilliancy	1767 Nov 18 17:37	17°♁15'04	-0.4m
inferior conj	1766 Dec 28 01:20	6°♁25'28	2°30'50	evening max el	1767 Nov 23 13:15	22°♁44'24	21°46'25
minimum elong	1766 Dec 27 22:44	6°♁34'21	2°30'03	retrograde	1767 Dec 02 15:54	28°♁09'46	
min. Earth dist.	1766 Dec 28 15:58	5°♁35'36	0.67307 AU	evening set	1767 Dec 06 22:33	26°♁29'26	
morning rise	1767 Jan 02 06:17	0°♁10'18		asc. node	1767 Dec 06 18:59	26°♁36'23	
	1767 Jan 02 10:58	30°♁		inferior conj	1767 Dec 12 08:03	20°♁09'49	1°48'40

minimum elong	1767 Dec 12 05:52	20°♁17'24	1°47'52	inferior conj	1768 Nov 25 15:31	3°♁58'50	1°00'31
min. Earth dist.	1767 Dec 12 11:02	19°♁59'31	0.67726 AU	minimum elong	1768 Nov 25 14:09	4°♁03'32	0°59'57
morning rise	1767 Dec 17 12:57	13°♁55'32			1768 Nov 28 16:56	30°♁	
direct	1767 Dec 22 10:23	11°♁51'38		morning rise	1768 Nov 30 22:41	27°♁47'34	
morning max el	1768 Jan 01 09:50	17°♁46'32	22°54'53	direct	1768 Dec 05 05:26	26°♁06'29	
greatest brilliancy	1768 Jan 06 02:57	23°♁02'15	-0.3m		1768 Dec 12 17:09	0°♁	
	1768 Jan 11 13:25	0°♁		morning max el	1768 Dec 14 00:12	1°♁14'44	21°30'11
desc. node	1768 Jan 14 05:51	3°♁40'09		greatest brilliancy	1768 Dec 19 00:53	6°♁58'24	-0.4m
	1768 Jan 31 18:37	0°♁		desc. node	1768 Dec 31 02:53	23°♁36'09	
morning set	1768 Feb 04 19:16	6°♁33'54			1769 Jan 04 10:27	0°♁	
max. Earth dist.	1768 Feb 09 10:06	14°♁21'20	1.39900 AU	morning set	1769 Jan 14 12:21	15°♁32'35	
				max. Earth dist.	1769 Jan 21 10:17	26°♁42'54	1.41954 AU
superior conj	1768 Feb 17 03:44	28°♁05'00	-1°-56'-30		1769 Jan 23 09:46	0°♁	
minimum elong	1768 Feb 17 07:11	28°♁20'48	1°56'19				
	1768 Feb 18 04:45	0°♁		superior conj	1769 Jan 28 22:17	9°♁23'54	-2°-4'-36
evening rise	1768 Feb 26 21:31	16°♁25'36		minimum elong	1769 Jan 28 22:37	9°♁25'25	2°04'36
asc. node	1768 Mar 03 18:19	27°♁23'30		evening rise	1769 Feb 09 00:01	29°♁12'44	
	1768 Mar 05 05:47	0°♁			1769 Feb 09 10:22	0°♁	
evening max el	1768 Mar 14 01:36	12°♁23'04	18°28'46	asc. node	1769 Feb 18 15:22	16°♁11'36	
retrograde	1768 Mar 21 14:46	16°♁05'59		evening max el	1769 Feb 25 11:09	25°♁17'40	18°09'36
evening set	1768 Mar 23 23:18	15°♁45'23		retrograde	1769 Mar 04 06:03	28°♁44'03	
inferior conj	1768 Mar 31 10:26	11°♁13'27	2°44'04	evening set	1769 Mar 06 19:56	28°♁14'44	
minimum elong	1768 Mar 31 14:23	11°♁05'32	2°43'09	inferior conj	1769 Mar 13 15:08	23°♁21'38	3°27'20
min. Earth dist.	1768 Apr 03 20:50	8°♁29'51	0.58419 AU	minimum elong	1769 Mar 13 17:34	23°♁15'59	3°27'01
morning rise	1768 Apr 08 01:19	5°♁47'17		min. Earth dist.	1769 Mar 16 21:53	20°♁20'08	0.60554 AU
desc. node	1768 Apr 11 05:02	4°♁35'04		morning rise	1769 Mar 20 11:58	17°♁33'59	
direct	1768 Apr 14 01:40	4°♁13'47		direct	1769 Mar 27 04:37	15°♁24'19	
morning max el	1768 Apr 28 10:51	11°♁54'21	26°50'09	desc. node	1769 Mar 29 02:04	15°♁34'13	
	1768 May 12 13:45	0°♁		morning max el	1769 Apr 10 10:56	23°♁16'20	27°37'51
morning set	1768 May 28 05:33	28°♁44'14			1769 Apr 16 11:20	0°♁	
	1768 May 28 19:57	0°♁			1769 May 05 17:13	0°♁	
asc. node	1768 May 30 17:37	4°♁03'33		morning set	1769 May 12 12:20	13°♁22'10	
				asc. node	1769 May 17 14:40	24°♁12'10	
superior conj	1768 Jun 04 07:28	14°♁03'44	0°46'44	max. Earth dist.	1769 May 18 19:17	26°♁48'08	1.32259 AU
minimum elong	1768 Jun 04 05:35	13°♁53'23	0°46'22				
max. Earth dist.	1768 Jun 04 07:31	14°♁04'00	1.32230 AU	superior conj	1769 May 19 18:47	28°♁56'52	0°22'48
evening rise	1768 Jun 11 05:58	29°♁05'53		minimum elong	1769 May 19 17:46	28°♁51'17	0°22'35
	1768 Jun 11 16:18	0°♁			1769 May 20 06:17	0°♁	
	1768 Jun 28 07:31	0°♁		evening rise	1769 May 26 16:31	13°♁57'32	
desc. node	1768 Jul 08 04:20	12°♁46'48			1769 Jun 03 18:16	0°♁	
evening max el	1768 Jul 10 21:21	15°♁32'12	26°35'07	evening max el	1769 Jun 22 16:20	26°♁45'23	25°23'45
retrograde	1768 Jul 24 20:44	22°♁45'17		desc. node	1769 Jun 25 01:21	28°♁52'09	
evening set	1768 Jul 31 14:16	20°♁50'20			1769 Jun 26 12:16	0°♁	
min. Earth dist.	1768 Aug 04 10:47	18°♁14'24	0.60000 AU	retrograde	1769 Jul 06 16:48	3°♁53'39	
inferior conj	1768 Aug 07 18:04	15°♁35'43	-4°-43'-25	evening set	1769 Jul 12 10:21	2°♁37'03	
minimum elong	1768 Aug 07 21:45	15°♁28'17	4°43'00		1769 Jul 17 01:36	30°♁	
morning rise	1768 Aug 15 08:35	10°♁56'37		min. Earth dist.	1769 Jul 17 04:21	29°♁55'25	0.57962 AU
direct	1768 Aug 17 18:12	10°♁35'25		inferior conj	1769 Jul 20 07:58	27°♁44'03	-4°-56'-42
morning max el	1768 Aug 25 06:45	14°♁14'59	18°13'43	minimum elong	1769 Jul 20 07:38	27°♁44'39	4°56'43
asc. node	1768 Aug 26 16:48	15°♁43'46		morning rise	1769 Jul 28 08:36	23°♁27'36	
	1768 Sep 05 01:44	0°♁		direct	1769 Jul 30 21:00	23°♁08'14	
morning set	1768 Sep 10 03:28	9°♁25'38		morning max el	1769 Aug 08 10:50	27°♁10'46	18°53'50
					1769 Aug 11 01:40	0°♁	
superior conj	1768 Sep 19 15:15	27°♁08'08	1°27'58	asc. node	1769 Aug 13 13:52	3°♁19'23	
minimum elong	1768 Sep 19 19:01	27°♁25'13	1°27'37	morning set	1769 Aug 24 23:40	23°♁33'48	
	1768 Sep 21 05:25	0°♁			1769 Aug 28 06:07	0°♁	
max. Earth dist.	1768 Sep 27 05:48	10°♁29'29	1.41058 AU				
evening rise	1768 Oct 02 04:55	18°♁44'56		superior conj	1769 Sep 02 12:12	10°♁12'19	1°41'41
desc. node	1768 Oct 04 03:39	21°♁53'52		minimum elong	1769 Sep 02 14:06	10°♁21'24	1°41'36
	1768 Oct 09 07:17	0°♁		max. Earth dist.	1769 Sep 09 09:47	22°♁57'30	1.39021 AU
greatest brilliancy	1768 Oct 30 11:35	29°♁49'49	-0.2m	evening rise	1769 Sep 13 08:45	29°♁52'59	
	1768 Oct 30 14:55	0°♁			1769 Sep 13 10:24	0°♁	
evening max el	1768 Nov 05 04:59	6°♁16'48	23°05'16	desc. node	1769 Sep 21 00:40	12°♁31'20	
retrograde	1768 Nov 15 10:26	12°♁20'50			1769 Oct 02 16:29	0°♁	
evening set	1768 Nov 20 05:39	10°♁23'30		evening max el	1769 Oct 18 17:48	19°♁53'19	24°24'55
asc. node	1768 Nov 22 16:02	7°♁54'17		retrograde	1769 Oct 30 01:13	26°♁30'16	
min. Earth dist.	1768 Nov 25 07:45	4°♁25'34	0.67799 AU	evening set	1769 Nov 04 10:24	24°♁16'00	

min. Earth dist.	1769 Nov 09 03:45	18°♄51'42	0.67543 AU	desc. node	1770 Sep 07 21:41	2°♁57'13	
inferior conj	1769 Nov 09 21:58	17°♄50'38	0°07'39		1770 Sep 27 20:19	0°♄	
minimum elong	1769 Nov 09 21:46	17°♄51'16	0°07'34	evening max el	1770 Oct 01 05:48	3°♄32'52	25°38'11
transit begin	1769 Nov 09 19:21	17°♄59'23		retrograde	1770 Oct 13 11:20	10°♄33'09	
transit end	1769 Nov 10 00:12	17°♄43'08		evening set	1770 Oct 19 11:04	8°♄03'44	
asc. node	1769 Nov 09 13:04	18°♄20'29		min. Earth dist.	1770 Oct 23 20:29	3°♄15'02	0.66960 AU
morning rise	1769 Nov 15 09:28	11°♄44'52		inferior conj	1770 Oct 25 01:35	1°♄42'02	0°-48'-35
direct	1769 Nov 19 02:59	10°♄25'11		minimum elong	1770 Oct 25 02:51	1°♄38'01	0°48'04
morning max el	1769 Nov 26 21:48	14°♄53'19	20°15'41		1770 Oct 26 10:01	30°♁	
greatest brilliancy	1769 Dec 03 13:33	22°♄52'26	-0.6m	asc. node	1770 Oct 27 10:07	28°♁48'37	
	1769 Dec 08 15:59	0°♁		morning rise	1770 Oct 30 19:23	25°♁44'40	
desc. node	1769 Dec 17 23:55	13°♁51'53		direct	1770 Nov 03 01:33	24°♁43'28	
morning set	1769 Dec 24 09:51	23°♁41'31		morning max el	1770 Nov 10 03:06	28°♁41'33	19°15'03
	1769 Dec 28 11:07	0°♁			1770 Nov 11 08:41	0°♄	
max. Earth dist.	1770 Jan 03 18:14	9°♁58'43	1.43643 AU	greatest brilliancy	1770 Nov 20 08:09	12°♄02'12	-0.7m
					1770 Dec 02 01:44	0°♁	
superior conj	1770 Jan 09 15:27	19°♁32'24	-1°-57'-34	morning set	1770 Dec 03 11:42	2°♁12'00	
minimum elong	1770 Jan 09 10:33	19°♁12'13	1°57'20	desc. node	1770 Dec 04 20:55	4°♁21'13	
	1770 Jan 15 21:30	0°♁		max. Earth dist.	1770 Dec 17 09:08	23°♁56'01	1.44747 AU
evening rise	1770 Jan 22 09:34	11°♁11'29					
	1770 Feb 02 12:24	0°♁		superior conj	1770 Dec 20 07:01	28°♁32'37	-1°-31'-44
asc. node	1770 Feb 05 12:24	4°♁22'51		minimum elong	1770 Dec 19 22:18	27°♁58'02	1°30'55
evening max el	1770 Feb 08 23:30	8°♁29'51	18°09'52		1770 Dec 21 05:00	0°♁	
retrograde	1770 Feb 15 10:48	11°♁54'18		evening rise	1771 Jan 03 21:55	22°♁14'17	
evening set	1770 Feb 18 05:43	11°♁15'02			1771 Jan 08 14:30	0°♁	
inferior conj	1770 Feb 24 12:38	6°♁01'05	3°43'37	evening max el	1771 Jan 23 11:44	21°♁51'47	18°28'51
minimum elong	1770 Feb 24 13:02	6°♁00'02	3°43'36	asc. node	1771 Jan 23 09:25	21°♁45'51	
min. Earth dist.	1770 Feb 27 07:11	3°♁06'22	0.62636 AU	retrograde	1771 Jan 30 00:39	25°♁27'06	
morning rise	1770 Mar 02 18:11	0°♁00'29		evening set	1771 Feb 02 00:52	24°♁36'55	
	1770 Mar 02 18:27	30°♁		inferior conj	1771 Feb 07 22:50	19°♁03'41	3°39'51
direct	1770 Mar 09 16:57	27°♁23'49		minimum elong	1771 Feb 07 21:36	19°♁07'20	3°39'45
desc. node	1770 Mar 15 23:07	29°♁12'50		min. Earth dist.	1771 Feb 10 02:00	16°♁34'18	0.64437 AU
	1770 Mar 17 06:47	0°♁		morning rise	1771 Feb 13 16:57	12°♁55'22	
morning max el	1770 Mar 23 16:32	5°♁19'02	27°48'33	direct	1771 Feb 20 12:40	10°♁05'53	
	1770 Apr 11 07:00	0°♁		desc. node	1771 Mar 02 20:08	14°♁57'23	
morning set	1770 Apr 26 13:37	27°♁40'29		morning max el	1771 Mar 06 01:34	17°♁56'27	27°23'31
	1770 Apr 27 17:02	0°♁			1771 Mar 16 04:46	0°♁	
max. Earth dist.	1770 May 02 03:06	9°♁16'27	1.32688 AU		1771 Apr 04 03:58	0°♁	
				morning set	1771 Apr 10 06:42	11°♁30'52	
superior conj	1770 May 04 03:56	13°♁39'30	0°-3'-25	max. Earth dist.	1771 Apr 15 03:16	21°♁18'05	1.33541 AU
minimum elong	1770 May 04 04:06	13°♁40'23	0°03'24				
behind sun begin	1770 May 03 23:00	13°♁12'47		superior conj	1771 Apr 18 09:02	28°♁05'34	0°-30'-59
behind sun end	1770 May 04 09:12	14°♁08'00		minimum elong	1771 Apr 18 10:35	28°♁13'46	0°30'40
asc. node	1770 May 04 11:42	14°♁21'36			1771 Apr 19 06:34	0°♁	
evening rise	1770 May 11 04:20	28°♁49'19		asc. node	1771 Apr 21 08:44	4°♁27'55	
	1770 May 11 17:44	0°♁		evening rise	1771 Apr 25 15:36	13°♁35'03	
	1770 May 28 20:20	0°♁			1771 May 04 00:33	0°♁	
evening max el	1770 Jun 04 06:35	7°♁23'51	23°52'39	evening max el	1771 May 16 22:24	17°♁55'00	22°16'49
desc. node	1770 Jun 11 22:22	12°♁53'49		retrograde	1771 May 29 20:08	24°♁17'43	
retrograde	1770 Jun 18 00:35	14°♁18'00		desc. node	1771 May 29 19:23	24°♁17'43	
evening set	1770 Jun 22 07:55	13°♁37'10		evening set	1771 Jun 01 18:36	23°♁58'40	
min. Earth dist.	1770 Jun 28 17:17	10°♁33'53	0.56232 AU	min. Earth dist.	1771 Jun 10 04:49	20°♁20'59	0.55147 AU
inferior conj	1770 Jul 01 01:40	9°♁07'55	-4°-32'-13	inferior conj	1771 Jun 11 02:11	19°♁50'53	-3°-20'-6
minimum elong	1770 Jun 30 20:03	9°♁16'33	4°31'22	minimum elong	1771 Jun 10 18:23	20°♁01'53	3°17'55
morning rise	1770 Jul 09 11:38	5°♁09'43		morning rise	1771 Jun 19 20:14	15°♁59'01	
direct	1770 Jul 12 04:51	4°♁50'47		direct	1771 Jun 22 20:17	15°♁38'43	
morning max el	1770 Jul 22 04:51	9°♁28'59	19°55'20	morning max el	1771 Jul 04 11:31	21°♁04'09	21°17'07
asc. node	1770 Jul 31 10:55	21°♁42'29			1771 Jul 11 22:00	0°♁	
	1770 Aug 05 01:11	0°♁		asc. node	1771 Jul 18 07:58	10°♁41'48	
morning set	1770 Aug 09 03:05	8°♁03'55		morning set	1771 Jul 24 11:16	22°♁49'17	
					1771 Jul 27 21:45	0°♁	
superior conj	1770 Aug 16 23:36	24°♁00'01	1°45'54				
minimum elong	1770 Aug 16 23:40	24°♁00'20	1°45'55	superior conj	1771 Jul 31 21:16	8°♁19'15	1°42'27
	1770 Aug 20 00:41	0°♁		minimum elong	1771 Jul 31 19:57	8°♁12'25	1°42'23
max. Earth dist.	1770 Aug 22 14:29	4°♁55'59	1.37034 AU	max. Earth dist.	1771 Aug 05 01:19	16°♁48'39	1.35296 AU
evening rise	1770 Aug 26 11:32	12°♁05'51		evening rise	1771 Aug 09 08:59	25°♁13'02	
	1770 Sep 06 00:40	0°♁			1771 Aug 11 22:35	0°♁	

desc. node	1771 Aug 25 18:43	23° Υ 05'52		1772 Jul 18 09:44	0° Ω	
	1771 Aug 30 12:24	0° $\underline{\Omega}$		evening rise	1772 Jul 22 20:26	9° Ω 00'55
evening max el	1771 Sep 13 17:57	17° $\underline{\Omega}$ 10'29	26°37'24		1772 Aug 03 09:38	0° Υ
retrograde	1771 Sep 26 16:20	24° $\underline{\Omega}$ 24'09		desc. node	1772 Aug 11 15:45	12° Υ 48'39
evening set	1771 Oct 03 05:42	21° $\underline{\Omega}$ 43'56			1772 Aug 25 14:55	0° $\underline{\Omega}$
min. Earth dist.	1771 Oct 07 07:39	17° $\underline{\Omega}$ 32'16	0.66034 AU	evening max el	1772 Aug 26 05:50	0° $\underline{\Omega}$ 36'08 27°15'21
inferior conj	1771 Oct 09 00:31	15° $\underline{\Omega}$ 30'15	-1°-46'-38	retrograde	1772 Sep 08 15:54	7° $\underline{\Omega}$ 54'55
minimum elong	1771 Oct 09 03:21	15° $\underline{\Omega}$ 21'47	1°45'30	evening set	1772 Sep 15 15:48	5° $\underline{\Omega}$ 11'48
asc. node	1771 Oct 14 07:09	10° $\underline{\Omega}$ 13'11		min. Earth dist.	1772 Sep 19 11:00	1° $\underline{\Omega}$ 36'35 0.64741 AU
morning rise	1771 Oct 15 02:17	9° $\underline{\Omega}$ 44'20			1772 Sep 20 22:25	30° Υ
direct	1771 Oct 17 23:18	8° $\underline{\Omega}$ 57'58		inferior conj	1772 Sep 21 16:28	29° Υ 10'17 -2°-44'-23
morning max el	1771 Oct 24 14:41	12° $\underline{\Omega}$ 36'25	18°30'12	minimum elong	1772 Sep 21 20:47	28° Υ 58'28 2°42'52
	1771 Nov 06 02:14	0° Υ		morning rise	1772 Sep 28 03:39	23° Υ 38'57
morning set	1771 Nov 13 14:12	11° Υ 59'45		asc. node	1772 Sep 30 04:11	23° Υ 05'25
desc. node	1771 Nov 21 17:57	25° Υ 00'11		direct	1772 Sep 30 17:54	23° Υ 03'41
	1771 Nov 24 21:49	0° $\underline{\mathcal{A}}$		morning max el	1772 Oct 07 06:00	26° Υ 31'47 18°02'11
					1772 Oct 10 05:54	0° $\underline{\Omega}$
superior conj	1771 Nov 29 08:28	6° $\underline{\mathcal{A}}$ 59'35	0°-49'-19	morning set	1772 Oct 24 21:45	23° $\underline{\Omega}$ 13'08
minimum elong	1771 Nov 29 02:11	6° $\underline{\mathcal{A}}$ 34'53	0°48'31		1772 Oct 28 23:14	0° Υ
max. Earth dist.	1771 Nov 30 03:46	8° $\underline{\mathcal{A}}$ 15'24	1.45140 AU	superior conj	1772 Nov 07 17:13	15° Υ 53'59 0°00'-36
	1771 Dec 13 23:29	0° $\underline{\mathcal{B}}$		minimum elong	1772 Nov 07 17:09	15° Υ 53'42 0°00'37
evening rise	1771 Dec 15 10:52	2° $\underline{\mathcal{B}}$ 19'55		behind sun begin	1772 Nov 07 06:36	15° Υ 11'27
greatest brilliancy	1771 Dec 26 15:42	19° $\underline{\mathcal{B}}$ 58'31	-0.8m	behind sun end	1772 Nov 08 03:41	16° Υ 35'53
	1772 Jan 02 11:48	0° $\underline{\mathcal{C}}$		desc. node	1772 Nov 07 15:00	15° Υ 45'05
evening max el	1772 Jan 06 21:28	5° $\underline{\mathcal{C}}$ 18'30	19°05'28	max. Earth dist.	1772 Nov 11 22:32	22° Υ 36'49 1.44788 AU
asc. node	1772 Jan 10 06:26	8° $\underline{\mathcal{C}}$ 07'17			1772 Nov 16 15:23	0° $\underline{\mathcal{A}}$
retrograde	1772 Jan 13 19:54	9° $\underline{\mathcal{C}}$ 15'23		evening rise	1772 Nov 24 03:31	11° $\underline{\mathcal{A}}$ 39'01
evening set	1772 Jan 17 02:22	8° $\underline{\mathcal{C}}$ 13'14			1772 Dec 06 03:54	0° $\underline{\mathcal{B}}$
inferior conj	1772 Jan 22 18:12	2° $\underline{\mathcal{C}}$ 23'07	3°21'22	greatest brilliancy	1772 Dec 13 01:29	10° $\underline{\mathcal{B}}$ 02'02 -0.6m
minimum elong	1772 Jan 22 15:57	2° $\underline{\mathcal{C}}$ 30'15	3°20'59	evening max el	1772 Dec 20 02:50	18° $\underline{\mathcal{B}}$ 47'37 19°58'02
min. Earth dist.	1772 Jan 24 06:04	0° $\underline{\mathcal{C}}$ 29'37	0.65861 AU	asc. node	1772 Dec 27 03:27	23° $\underline{\mathcal{B}}$ 12'45
	1772 Jan 24 15:37	30° $\underline{\mathcal{B}}$		retrograde	1772 Dec 27 17:32	23° $\underline{\mathcal{B}}$ 14'40
morning rise	1772 Jan 28 04:38	26° $\underline{\mathcal{B}}$ 10'12		evening set	1772 Dec 31 07:50	21° $\underline{\mathcal{B}}$ 59'05
direct	1772 Feb 03 14:56	23° $\underline{\mathcal{B}}$ 21'50		inferior conj	1773 Jan 05 19:49	15° $\underline{\mathcal{B}}$ 55'00 2°51'51
	1772 Feb 15 12:17	0° $\underline{\mathcal{D}}$		minimum elong	1773 Jan 05 17:11	16° $\underline{\mathcal{B}}$ 03'49 2°51'10
morning max el	1772 Feb 16 11:26	0° $\underline{\mathcal{D}}$ 56'58	26°28'33	min. Earth dist.	1773 Jan 06 17:48	14° $\underline{\mathcal{B}}$ 41'33 0.66886 AU
desc. node	1772 Feb 17 17:09	2° $\underline{\mathcal{D}}$ 13'44		morning rise	1773 Jan 11 01:54	9° $\underline{\mathcal{B}}$ 39'53
	1772 Mar 09 05:29	0° $\underline{\mathcal{E}}$		direct	1773 Jan 16 23:02	7° $\underline{\mathcal{B}}$ 03'34
morning set	1772 Mar 23 11:58	24° $\underline{\mathcal{E}}$ 41'47		morning max el	1773 Jan 28 20:19	14° $\underline{\mathcal{B}}$ 08'56 25°12'31
	1772 Mar 26 06:30	0° $\underline{\mathcal{F}}$		desc. node	1773 Feb 03 14:11	20° $\underline{\mathcal{B}}$ 35'39
max. Earth dist.	1772 Mar 27 16:24	2° $\underline{\mathcal{F}}$ 45'56	1.34846 AU		1773 Feb 10 18:43	0° $\underline{\mathcal{C}}$
				morning set	1773 Mar 02 01:13	0° $\underline{\mathcal{E}}$
superior conj	1772 Apr 01 07:46	12° $\underline{\mathcal{F}}$ 07'30	0°-58'-43	max. Earth dist.	1773 Mar 06 00:37	6° $\underline{\mathcal{E}}$ 59'37
minimum elong	1772 Apr 01 10:42	12° $\underline{\mathcal{F}}$ 22'38	0°58'12		1773 Mar 09 17:59	13° $\underline{\mathcal{E}}$ 48'57 1.36590 AU
asc. node	1772 Apr 07 05:46	24° $\underline{\mathcal{F}}$ 26'25		superior conj	1773 Mar 15 21:20	25° $\underline{\mathcal{E}}$ 37'41 -1°-24'-53
evening rise	1772 Apr 09 00:20	28° $\underline{\mathcal{F}}$ 07'30		minimum elong	1773 Mar 16 01:20	25° $\underline{\mathcal{E}}$ 57'30 1°24'20
	1772 Apr 09 22:13	0° $\underline{\mathcal{G}}$			1773 Mar 18 02:00	0° $\underline{\mathcal{F}}$
evening max el	1772 Apr 27 22:45	28° $\underline{\mathcal{G}}$ 47'58	20°49'50	evening rise	1773 Mar 24 04:24	12° $\underline{\mathcal{F}}$ 20'12
	1772 Apr 29 06:13	0° $\underline{\mathcal{H}}$		asc. node	1773 Mar 25 02:49	14° $\underline{\mathcal{F}}$ 12'46
retrograde	1772 May 09 09:25	4° $\underline{\mathcal{H}}$ 21'57			1773 Apr 02 14:55	0° $\underline{\mathcal{G}}$
evening set	1772 May 11 13:15	4° $\underline{\mathcal{H}}$ 10'48		evening max el	1773 Apr 10 10:53	10° $\underline{\mathcal{G}}$ 19'23 19°39'33
desc. node	1772 May 15 16:24	2° $\underline{\mathcal{H}}$ 54'10		retrograde	1773 Apr 20 03:55	15° $\underline{\mathcal{G}}$ 00'30
inferior conj	1772 May 20 19:57	0° $\underline{\mathcal{H}}$ 13'02	-1°-29'-29	evening set	1773 Apr 22 04:51	14° $\underline{\mathcal{G}}$ 49'01
minimum elong	1772 May 20 15:43	0° $\underline{\mathcal{H}}$ 19'03	1°28'00	inferior conj	1773 Apr 30 21:36	10° $\underline{\mathcal{G}}$ 45'52 0°28'36
	1772 May 21 05:05	30° $\underline{\mathcal{G}}$		minimum elong	1773 Apr 30 22:50	10° $\underline{\mathcal{G}}$ 43'56 0°28'10
min. Earth dist.	1772 May 21 17:17	29° $\underline{\mathcal{G}}$ 42'37	0.54959 AU	desc. node	1773 May 02 13:24	9° $\underline{\mathcal{G}}$ 43'09
morning rise	1772 May 29 17:21	26° $\underline{\mathcal{G}}$ 07'46		min. Earth dist.	1773 May 03 07:36	9° $\underline{\mathcal{G}}$ 14'55 0.55732 AU
direct	1772 Jun 02 05:47	25° $\underline{\mathcal{G}}$ 41'07		morning rise	1773 May 09 13:18	6° $\underline{\mathcal{G}}$ 10'28
	1772 Jun 13 01:05	0° $\underline{\mathcal{I}}$		direct	1773 May 13 23:14	5° $\underline{\mathcal{G}}$ 26'52
morning max el	1772 Jun 15 08:09	1° $\underline{\mathcal{I}}$ 58'29	22°54'09	morning max el	1773 May 27 23:10	12° $\underline{\mathcal{G}}$ 28'15 24°35'56
	1772 Jul 04 03:30	0° $\underline{\mathcal{J}}$			1773 Jun 10 10:26	0° $\underline{\mathcal{I}}$
asc. node	1772 Jul 04 05:00	0° $\underline{\mathcal{J}}$ 07'25		asc. node	1773 Jun 21 02:05	19° $\underline{\mathcal{I}}$ 52'21
morning set	1772 Jul 07 22:08	7° $\underline{\mathcal{J}}$ 42'50		morning set	1773 Jun 22 10:01	22° $\underline{\mathcal{I}}$ 39'19
					1773 Jun 25 20:13	0° $\underline{\mathcal{K}}$
superior conj	1772 Jul 15 01:48	22° $\underline{\mathcal{J}}$ 58'50	1°32'48			
minimum elong	1772 Jul 14 23:40	22° $\underline{\mathcal{J}}$ 47'25	1°32'34			
max. Earth dist.	1772 Jul 17 20:59	28° $\underline{\mathcal{J}}$ 53'32	1.33925 AU			

superior conj	1773 Jun 29 10:43	7°♄50'46	1°18'04	superior conj	1774 Jun 13 21:58	22°♃48'04	0°59'11
minimum elong	1773 Jun 29 08:18	7°♄37'37	1°17'43	minimum elong	1774 Jun 13 19:45	22°♃35'58	0°58'48
max. Earth dist.	1773 Jul 01 01:11	11°♄19'05	1.32960 AU	max. Earth dist.	1774 Jun 14 11:21	24°♃01'36	1.32385 AU
evening rise	1773 Jul 06 17:59	23°♄18'30		evening rise	1774 Jun 17 05:01	0°♄	
	1773 Jul 10 02:45	0°♄			1774 Jun 20 22:31	7°♄56'00	
	1773 Jul 28 03:09	0°♄			1774 Jul 02 13:29	0°♄	
desc. node	1773 Jul 29 12:47	1°♄54'45		desc. node	1774 Jul 16 09:46	20°♄09'11	
evening max el	1773 Aug 08 15:59	13°♄38'19	27°25'25	evening max el	1774 Jul 21 21:57	26°♄04'45	27°03'08
retrograde	1773 Aug 22 09:22	20°♄56'04		retrograde	1774 Jul 26 16:35	0°♄	
evening set	1773 Aug 29 14:08	18°♄21'28		retrograde	1774 Aug 04 19:37	3°♄18'55	
min. Earth dist.	1773 Sep 02 04:50	15°♄18'09	0.63101 AU	evening set	1774 Aug 11 20:34	1°♄06'07	
inferior conj	1773 Sep 04 22:46	12°♄35'57	-3°-38'-40		1774 Aug 13 11:42	30°♄	
minimum elong	1773 Sep 05 04:00	12°♄23'04	3°37'12	min. Earth dist.	1774 Aug 15 12:14	28°♄24'32	0.61180 AU
morning rise	1773 Sep 11 20:20	7°♄22'22		inferior conj	1774 Aug 18 16:13	25°♄39'48	-4°-24'-15
direct	1773 Sep 14 06:32	6°♄54'42		minimum elong	1774 Aug 18 21:05	25°♄29'13	4°23'22
asc. node	1773 Sep 17 01:15	7°♄31'51		morning rise	1774 Aug 26 00:34	20°♄47'05	
morning max el	1773 Sep 20 22:07	10°♄20'40	17°51'46	direct	1774 Aug 28 09:38	20°♄24'06	
	1773 Oct 04 01:00	0°♄		asc. node	1774 Sep 03 22:20	23°♄23'56	
morning set	1773 Oct 07 05:35	5°♄36'20		morning max el	1774 Sep 04 12:02	23°♄56'03	18°00'00
					1774 Sep 09 09:31	0°♄	
superior conj	1773 Oct 19 01:24	25°♄58'35	0°42'50	morning set	1774 Sep 20 07:27	18°♄51'35	
minimum elong	1773 Oct 19 05:22	26°♄15'10	0°42'17		1774 Sep 26 09:21	0°♄	
	1773 Oct 21 11:38	0°♄					
max. Earth dist.	1773 Oct 25 14:40	6°♄42'55	1.43749 AU	superior conj	1774 Sep 30 12:38	7°♄22'55	1°14'59
desc. node	1773 Oct 25 12:04	6°♄32'29		minimum elong	1774 Sep 30 17:07	7°♄42'37	1°14'29
evening rise	1773 Nov 03 11:37	20°♄41'51		max. Earth dist.	1774 Oct 08 02:23	20°♄19'18	1.42157 AU
	1773 Nov 09 13:43	0°♄		desc. node	1774 Oct 12 09:07	27°♄19'02	
greatest brilliancy	1773 Nov 27 18:57	26°♄04'33	-0.5m	evening rise	1774 Oct 14 04:27	0°♄12'19	
	1773 Dec 01 00:11	0°♄			1774 Oct 14 01:21	0°♄	
evening max el	1773 Dec 03 02:48	2°♄17'51	21°04'00		1774 Nov 03 03:46	0°♄	
retrograde	1773 Dec 11 15:12	7°♄20'50		greatest brilliancy	1774 Nov 11 03:58	10°♄31'02	-0.3m
asc. node	1773 Dec 14 00:30	6°♄49'04		evening max el	1774 Nov 15 21:22	15°♄49'48	22°19'29
evening set	1773 Dec 15 15:17	5°♄50'09		retrograde	1774 Nov 25 11:11	21°♄31'21	
	1773 Dec 20 18:06	30°♄		evening set	1774 Nov 29 23:00	19°♄43'56	
inferior conj	1773 Dec 21 01:16	29°♄35'22	2°13'47	asc. node	1774 Nov 30 21:32	18°♄53'43	
minimum elong	1773 Dec 20 22:47	29°♄43'56	2°12'57	inferior conj	1774 Dec 05 08:31	13°♄21'58	1°28'55
min. Earth dist.	1773 Dec 21 10:53	29°♄02'17	0.67527 AU	minimum elong	1774 Dec 05 06:38	13°♄28'30	1°28'10
morning rise	1773 Dec 26 05:52	23°♄20'08		min. Earth dist.	1774 Dec 05 06:54	13°♄27'33	0.67807 AU
direct	1773 Dec 31 12:09	21°♄03'07		morning rise	1774 Dec 10 14:07	7°♄08'45	
morning max el	1774 Jan 11 04:45	27°♄25'33	23°45'39	direct	1774 Dec 15 05:18	5°♄14'23	
	1774 Jan 13 14:44	0°♄		morning max el	1774 Dec 24 15:53	10°♄48'25	22°17'51
desc. node	1774 Jan 21 11:15	9°♄43'50		greatest brilliancy	1774 Dec 29 06:08	15°♄57'08	-0.3m
	1774 Feb 04 10:58	0°♄		desc. node	1775 Jan 08 08:19	29°♄25'21	
morning set	1774 Feb 15 14:28	18°♄06'58			1775 Jan 08 18:02	0°♄	
max. Earth dist.	1774 Feb 19 12:56	24°♄57'08	1.38661 AU	morning set	1775 Jan 27 00:01	27°♄51'21	
	1774 Feb 22 08:35	0°♄			1775 Jan 28 07:36	0°♄	
superior conj	1774 Feb 26 21:59	8°♄26'02	-1°-46'-59	max. Earth dist.	1775 Feb 01 09:52	6°♄48'17	1.40812 AU
minimum elong	1774 Feb 27 02:07	8°♄45'32	1°46'37	superior conj	1775 Feb 09 05:04	20°♄21'24	-2°-1'-28
evening rise	1774 Mar 08 01:07	26°♄05'30		minimum elong	1775 Feb 09 07:31	20°♄32'23	2°01'23
	1774 Mar 10 01:27	0°♄			1775 Feb 14 12:08	0°♄	
asc. node	1774 Mar 11 23:51	3°♄41'17		evening rise	1775 Feb 19 11:21	9°♄16'20	
evening max el	1774 Mar 24 09:41	22°♄28'53	18°48'50	asc. node	1775 Feb 26 20:52	22°♄46'07	
retrograde	1774 Apr 01 14:21	26°♄27'56			1775 Mar 03 10:07	0°♄	
evening set	1774 Apr 03 19:50	26°♄11'25		evening max el	1775 Mar 07 16:13	5°♄09'25	18°18'10
inferior conj	1774 Apr 11 17:35	21°♄51'31	2°04'19	retrograde	1775 Mar 14 19:58	8°♄43'06	
minimum elong	1774 Apr 11 21:31	21°♄44'19	2°03'11	evening set	1775 Mar 17 07:00	8°♄18'50	
min. Earth dist.	1774 Apr 15 00:10	19°♄29'10	0.57295 AU	inferior conj	1775 Mar 24 10:52	3°♄37'40	3°06'14
desc. node	1774 Apr 19 10:25	16°♄51'57		minimum elong	1775 Mar 24 14:20	3°♄30'17	3°05'33
morning rise	1774 Apr 19 18:52	16°♄42'29		min. Earth dist.	1775 Mar 27 21:04	0°♄43'35	0.59322 AU
direct	1774 Apr 25 06:28	15°♄29'26			1775 Mar 28 19:15	30°♄	
morning max el	1774 May 09 14:25	22°♄59'09	26°07'51	morning rise	1775 Mar 31 17:56	28°♄01'30	
	1774 May 15 20:42	0°♄		desc. node	1775 Apr 06 07:28	26°♄13'55	
	1774 Jun 03 04:51	0°♄		direct	1775 Apr 07 02:31	26°♄12'14	
morning set	1774 Jun 06 21:17	7°♄33'22			1775 Apr 16 20:11	0°♄	
asc. node	1774 Jun 07 23:10	9°♄50'29		morning max el	1775 Apr 21 10:42	3°♄57'45	27°14'53
					1775 May 10 12:25	0°♄	

morning set	1775 May 22 06:13	22°♄18'49		1776 May 02 01:04	0°♄	
	1775 May 25 20:52	0°♄		morning set	1776 May 05 10:57	6°♄49'41
asc. node	1775 May 25 20:12	29°♄56'21		max. Earth dist.	1776 May 11 10:33	19°♄29'39 1.32391 AU
max. Earth dist.	1775 May 28 23:46	6°♄49'24	1.32195 AU	asc. node	1776 May 11 17:13	20°♄05'52
superior conj	1775 May 29 09:42	7°♄44'05	0°36'54	superior conj	1776 May 12 20:18	22°♄33'29 0°11'55
minimum elong	1775 May 29 08:09	7°♄35'31	0°36'35	minimum elong	1776 May 12 19:45	22°♄30'29 0°11'48
evening rise	1775 Jun 05 07:27	22°♄44'29		behind sun begin	1776 May 12 16:19	22°♄11'45
	1775 Jun 08 20:02	0°♄		behind sun end	1776 May 12 23:11	22°♄49'14
	1775 Jun 26 23:35	0°♄			1776 May 16 05:58	0°♄
desc. node	1775 Jul 03 06:47	7°♄09'50		evening rise	1776 May 19 18:47	7°♄37'08
evening max el	1775 Jul 03 21:07	7°♄44'32	26°08'05		1776 May 31 11:27	0°♄
retrograde	1775 Jul 17 21:04	14°♄55'18		evening max el	1776 Jun 14 13:20	18°♄39'41 24°46'31
evening set	1775 Jul 24 06:14	13°♄16'09		desc. node	1776 Jun 19 03:46	22°♄27'05
min. Earth dist.	1775 Jul 28 09:47	10°♄40'15	0.59119 AU	retrograde	1776 Jun 28 12:07	25°♄43'59
inferior conj	1775 Jul 31 17:07	8°♄10'56	-4°-52'-47	evening set	1776 Jul 03 16:09	24°♄43'24
minimum elong	1775 Jul 31 19:24	8°♄06'36	4°52'39	min. Earth dist.	1776 Jul 09 00:35	21°♄54'28 0.57169 AU
morning rise	1775 Aug 08 12:00	3°♄41'30		inferior conj	1776 Jul 11 22:22	20°♄00'18 -4°-51'-47
direct	1775 Aug 10 22:43	3°♄21'07		minimum elong	1776 Jul 11 19:45	20°♄04'38 4°51'36
morning max el	1775 Aug 18 20:34	7°♄08'43	18°28'11	morning rise	1776 Jul 20 03:07	15°♄53'00
asc. node	1775 Aug 21 19:25	10°♄25'55		direct	1776 Jul 22 17:27	15°♄33'57
	1775 Sep 02 11:58	0°♄		morning max el	1776 Jul 31 20:41	19°♄49'34 19°17'28
morning set	1775 Sep 03 22:06	2°♄43'34		asc. node	1776 Aug 07 16:28	28°♄23'04
					1776 Aug 08 16:57	0°♄
superior conj	1775 Sep 12 22:56	19°♄55'19	1°35'04	morning set	1776 Aug 17 21:42	17°♄01'51
minimum elong	1775 Sep 13 01:57	20°♄09'19	1°34'51		1776 Aug 24 09:50	0°♄
	1775 Sep 18 12:37	0°♄		superior conj	1776 Aug 26 02:39	3°♄19'56 1°44'32
max. Earth dist.	1775 Sep 20 08:59	3°♄13'55	1.40208 AU	minimum elong	1776 Aug 26 03:44	3°♄25'13 1°44'30
evening rise	1775 Sep 24 18:15	10°♄40'52		max. Earth dist.	1776 Sep 01 12:33	15°♄26'46 1.38155 AU
desc. node	1775 Sep 29 06:08	18°♄00'46		evening rise	1776 Sep 05 08:13	22°♄17'02
	1775 Oct 07 00:07	0°♄			1776 Sep 09 20:28	0°♄
evening max el	1775 Oct 29 11:39	29°♄23'52	23°39'22	desc. node	1776 Sep 15 03:08	8°♄33'42
	1775 Oct 30 02:21	0°♄			1776 Sep 29 21:30	0°♄
retrograde	1775 Nov 09 04:08	5°♄42'16		evening max el	1776 Oct 10 23:42	13°♄01'09 24°57'11
evening set	1775 Nov 14 05:18	3°♄37'26		retrograde	1776 Oct 22 17:06	19°♄49'43
	1775 Nov 17 13:35	30°♄		evening set	1776 Oct 28 08:33	17°♄28'20
asc. node	1775 Nov 17 18:35	29°♄43'51		min. Earth dist.	1776 Nov 01 22:20	12°♄19'07 0.67339 AU
min. Earth dist.	1775 Nov 19 03:29	27°♄53'52	0.67739 AU	inferior conj	1776 Nov 02 21:12	11°♄03'48 0°-15'-53
inferior conj	1775 Nov 19 15:45	27°♄12'04	0°38'35	minimum elong	1776 Nov 02 21:36	11°♄02'29 0°15'44
minimum elong	1775 Nov 19 14:50	27°♄15'08	0°38'12	transit begin	1776 Nov 02 20:55	11°♄04'43
morning rise	1775 Nov 25 00:32	21°♄03'06		transit end	1776 Nov 02 22:17	11°♄00'16
direct	1775 Nov 29 01:29	19°♄31'28		asc. node	1776 Nov 03 15:38	10°♄03'27
morning max el	1775 Dec 07 09:11	24°♄20'59	20°56'57	morning rise	1776 Nov 08 11:11	5°♄01'27
	1775 Dec 12 07:33	0°♄		direct	1776 Nov 11 23:32	3°♄50'15
greatest brilliancy	1775 Dec 12 23:12	0°♄49'38	-0.5m	morning max el	1776 Nov 19 10:16	8°♄04'25 19°48'00
desc. node	1775 Dec 26 05:22	19°♄30'30		greatest brilliancy	1776 Nov 27 03:16	17°♄35'55 -0.6m
	1776 Jan 02 03:54	0°♄			1776 Dec 05 14:50	0°♄
morning set	1776 Jan 06 06:38	6°♄22'13		desc. node	1776 Dec 12 02:23	9°♄52'28
max. Earth dist.	1776 Jan 14 13:53	19°♄36'11	1.42736 AU	morning set	1776 Dec 15 02:44	14°♄31'04
	1776 Jan 20 20:26	0°♄			1776 Dec 25 00:43	0°♄
superior conj	1776 Jan 21 13:14	1°♄11'07	-2°-3'-44	max. Earth dist.	1776 Dec 27 00:57	3°♄11'11 1.44190 AU
minimum elong	1776 Jan 21 11:31	1°♄03'48	2°03'44	superior conj	1776 Dec 31 18:56	10°♄48'11 -1°-48'-57
evening rise	1776 Feb 02 07:12	21°♄44'16		minimum elong	1776 Dec 31 11:53	10°♄19'42 1°48'28
	1776 Feb 06 22:31	0°♄			1777 Jan 12 09:05	0°♄
asc. node	1776 Feb 13 17:53	11°♄19'49		evening rise	1777 Jan 14 08:13	3°♄19'59
evening max el	1776 Feb 19 03:16	18°♄12'23	18°07'19	asc. node	1777 Jan 30 14:55	29°♄12'03
retrograde	1776 Feb 25 17:46	21°♄36'34			1777 Jan 31 07:00	0°♄
evening set	1776 Feb 28 09:47	21°♄03'07		evening max el	1777 Feb 01 15:49	1°♄29'04 18°15'42
inferior conj	1776 Mar 05 23:16	16°♄00'40	3°37'07	retrograde	1777 Feb 08 02:58	4°♄57'06
minimum elong	1776 Mar 06 00:50	15°♄56'50	3°36'59	evening set	1777 Feb 10 23:56	4°♄13'29
min. Earth dist.	1776 Mar 09 01:21	12°♄59'29	0.61459 AU		1777 Feb 16 01:28	30°♄
morning rise	1776 Mar 12 13:09	10°♄06'30		inferior conj	1777 Feb 17 02:40	28°♄51'07 3°44'06
direct	1776 Mar 19 09:24	7°♄44'10		minimum elong	1777 Feb 17 02:18	28°♄52'08 3°44'05
desc. node	1776 Mar 23 04:30	8°♄24'12		min. Earth dist.	1777 Feb 19 14:51	26°♄05'08 0.63438 AU
morning max el	1776 Apr 02 13:32	15°♄38'15	27°47'08	morning rise	1777 Feb 23 02:50	22°♄46'25
	1776 Apr 14 07:11	0°♄				

direct	1777 Mar 02 01:08	20°≈02'21		inferior conj	1778 Jan 31 17:13	12°≈01'57	3°33'32
desc. node	1777 Mar 10 01:32	23°≈00'39		minimum elong	1778 Jan 31 15:28	12°≈07'17	3°33'19
morning max el	1777 Mar 15 21:08	27°≈57'43	27°42'02	min. Earth dist.	1778 Feb 02 13:53	9°≈46'38	0.65096 AU
	1777 Mar 17 20:06	0°≈		morning rise	1778 Feb 06 07:37	5°≈51'20	
	1777 Apr 08 00:55	0°≈		direct	1778 Feb 13 00:05	3°≈00'22	
morning set	1777 Apr 19 09:06	20°≈57'20		desc. node	1778 Feb 24 22:35	9°≈28'08	
	1777 Apr 23 19:05	0°≈		morning max el	1778 Feb 26 06:42	10°≈46'20	27°03'09
max. Earth dist.	1777 Apr 24 15:30	1°≈47'25	1.32993 AU		1778 Mar 13 12:31	0°≈	
					1778 Mar 31 12:18	0°≈	
superior conj	1777 Apr 27 03:57	7°≈09'35	0°-15'00	morning set	1778 Apr 02 21:39	4°≈32'23	
minimum elong	1777 Apr 27 04:41	7°≈13'32	0°14'52	max. Earth dist.	1778 Apr 07 10:57	13°≈33'13	1.34041 AU
behind sun begin	1777 Apr 27 02:46	7°≈03'18					
behind sun end	1777 Apr 27 06:35	7°≈23'47		superior conj	1778 Apr 11 06:39	21°≈26'20	0°-42'-49
asc. node	1777 Apr 28 14:14	10°≈14'15		minimum elong	1778 Apr 11 08:48	21°≈37'37	0°42'25
evening rise	1777 May 04 06:33	22°≈26'39			1778 Apr 15 07:55	0°≈	
	1777 May 07 22:29	0°≈		asc. node	1778 Apr 15 11:15	0°≈17'42	
evening max el	1777 May 27 03:06	29°≈10'09	23°11'31	evening rise	1778 Apr 18 16:58	7°≈07'12	
	1777 May 28 00:20	0°≈			1778 May 01 01:45	0°≈	
desc. node	1777 Jun 06 00:46	5°≈24'47		evening max el	1778 May 08 21:59	9°≈47'52	21°38'07
retrograde	1777 Jun 09 14:54	5°≈54'08		retrograde	1778 May 21 06:22	15°≈50'51	
evening set	1777 Jun 13 06:54	5°≈24'38		evening set	1778 May 23 18:36	15°≈36'39	
min. Earth dist.	1777 Jun 20 12:44	2°≈08'01	0.55669 AU	desc. node	1778 May 23 21:48	15°≈35'08	
inferior conj	1777 Jun 22 07:53	1°≈04'50	-4°-7'-29	inferior conj	1778 Jun 02 03:51	11°≈35'26	-2°-36'-21
minimum elong	1777 Jun 22 00:40	1°≈15'26	4°05'59	minimum elong	1778 Jun 01 20:57	11°≈45'05	2°34'09
	1777 Jun 24 04:47	30°≈		min. Earth dist.	1778 Jun 02 00:47	11°≈39'43	0.54950 AU
morning rise	1777 Jun 30 21:34	27°≈11'19		morning rise	1778 Jun 11 00:07	7°≈39'57	
direct	1777 Jul 03 17:00	26°≈52'19		direct	1778 Jun 14 04:32	7°≈17'43	
	1777 Jul 12 05:16	0°≈		morning max el	1778 Jun 26 11:56	13°≈06'03	21°57'01
morning max el	1777 Jul 14 09:59	1°≈49'48	20°27'56		1778 Jul 09 00:46	0°≈	
asc. node	1777 Jul 25 13:30	17°≈02'22		asc. node	1778 Jul 12 10:32	6°≈13'38	
	1777 Aug 01 08:00	0°≈		morning set	1778 Jul 17 12:53	16°≈27'35	
morning set	1777 Aug 02 03:22	1°≈38'37			1778 Jul 23 22:43	0°≈	
superior conj	1777 Aug 09 18:52	17°≈22'13	1°45'17	superior conj	1778 Jul 24 19:45	1°≈50'39	1°39'01
minimum elong	1777 Aug 09 18:17	17°≈19'13	1°45'16	minimum elong	1778 Jul 24 18:01	1°≈41'32	1°38'54
max. Earth dist.	1777 Aug 14 18:45	27°≈17'13	1.36248 AU	max. Earth dist.	1778 Jul 28 09:05	9°≈12'33	1.34663 AU
	1777 Aug 16 04:40	0°≈		evening rise	1778 Aug 01 23:25	18°≈20'13	
evening rise	1777 Aug 18 19:29	4°≈54'22			1778 Aug 08 06:47	0°≈	
desc. node	1777 Sep 02 00:08	28°≈52'54		desc. node	1778 Aug 19 21:09	18°≈51'23	
	1777 Sep 02 17:39	0°≈			1778 Aug 27 22:21	0°≈	
evening max el	1777 Sep 23 11:36	26°≈40'33	26°05'35	evening max el	1778 Sep 05 23:57	10°≈14'59	26°56'47
	1777 Sep 27 06:27	0°≈		retrograde	1778 Sep 19 04:07	17°≈31'37	
retrograde	1777 Oct 06 01:21	3°≈48'37		evening set	1778 Sep 25 22:18	14°≈49'22	
evening set	1777 Oct 12 06:58	1°≈13'54		min. Earth dist.	1778 Sep 29 21:21	10°≈53'11	0.65519 AU
	1777 Oct 13 14:58	30°≈		inferior conj	1778 Oct 01 19:23	8°≈40'19	-2°-11'-21
min. Earth dist.	1777 Oct 16 13:06	26°≈40'42	0.66601 AU	minimum elong	1778 Oct 01 22:53	8°≈30'14	2°10'00
inferior conj	1777 Oct 17 23:07	24°≈54'46	-1°-13'-7	morning rise	1778 Oct 08 00:58	2°≈59'53	
minimum elong	1777 Oct 18 01:02	24°≈48'47	1°12'18	asc. node	1778 Oct 08 09:45	2°≈49'41	
asc. node	1777 Oct 21 12:41	20°≈50'18		direct	1778 Oct 10 18:48	2°≈18'39	
morning rise	1777 Oct 23 20:06	19°≈01'48		morning max el	1778 Oct 17 07:58	5°≈51'52	18°16'12
direct	1777 Oct 26 22:00	18°≈07'31			1778 Nov 02 18:50	0°≈	
morning max el	1777 Nov 02 18:33	21°≈56'29	18°53'57	morning set	1778 Nov 05 04:45	3°≈56'30	
	1777 Nov 09 05:50	0°≈		desc. node	1778 Nov 15 20:27	21°≈08'33	
morning set	1777 Nov 24 13:36	23°≈30'56					
	1777 Nov 28 16:38	0°≈		superior conj	1778 Nov 20 04:23	28°≈00'35	0°-28'-41
desc. node	1777 Nov 28 23:25	0°≈26'39		minimum elong	1778 Nov 20 00:40	27°≈45'55	0°28'12
max. Earth dist.	1777 Dec 09 17:20	17°≈18'43	1.45002 AU		1778 Nov 21 10:40	0°≈	
				max. Earth dist.	1778 Nov 22 12:30	1°≈41'39	1.45082 AU
superior conj	1777 Dec 11 02:30	19°≈29'11	-1°-15'-20	evening rise	1778 Dec 06 14:12	23°≈42'07	
minimum elong	1777 Dec 10 17:59	18°≈55'39	1°14'23		1778 Dec 10 15:04	0°≈	
	1777 Dec 17 17:57	0°≈		greatest brilliancy	1778 Dec 21 19:15	17°≈06'45	-0.7m
evening rise	1777 Dec 26 10:45	13°≈58'33		evening max el	1778 Dec 30 11:31	28°≈22'49	19°26'00
	1778 Jan 05 08:55	0°≈			1779 Jan 01 04:42	0°≈	
evening max el	1778 Jan 16 03:19	14°≈54'08	18°42'22	asc. node	1779 Jan 04 09:00	2°≈02'26	
asc. node	1778 Jan 17 11:57	16°≈11'07		retrograde	1779 Jan 06 15:56	2°≈31'06	
retrograde	1778 Jan 22 19:28	18°≈37'23		evening set	1779 Jan 10 01:37	1°≈23'22	
evening set	1778 Jan 25 22:08	17°≈42'23			1779 Jan 11 18:35	30°≈	

inferior conj	1779 Jan 15 15:35	25°☿27'08	3°10'00	evening set	1779 Dec 25 08:11	15°☿12'05	
minimum elong	1779 Jan 15 13:05	25°☿35'12	3°09'29	inferior conj	1779 Dec 30 19:05	9°☿02'56	2°36'38
min. Earth dist.	1779 Jan 16 21:22	23°☿50'27	0.66356 AU	minimum elong	1779 Dec 30 16:27	9°☿11'52	2°35'51
morning rise	1779 Jan 20 23:48	19°☿13'16		min. Earth dist.	1779 Dec 31 11:33	8°☿07'06	0.67210 AU
direct	1779 Jan 27 04:59	16°☿28'48		morning rise	1780 Jan 05 00:14	2°☿47'44	
morning max el	1779 Feb 08 16:03	23°☿52'17	25°58'04	direct	1780 Jan 10 15:08	0°☿19'15	
desc. node	1779 Feb 11 19:38	27°☿15'06		morning max el	1780 Jan 22 00:36	7°☿06'57	24°36'19
	1779 Feb 14 03:54	0°♊		desc. node	1780 Jan 29 16:42	15°☿58'41	
	1779 Mar 06 21:47	0°♋			1780 Feb 08 20:53	0°♊	
morning set	1779 Mar 16 20:31	17°♋22'36		morning set	1780 Feb 27 00:17	29°♊12'41	
max. Earth dist.	1779 Mar 20 18:52	24°♋47'55	1.35544 AU		1780 Feb 27 11:02	0°♋	
	1779 Mar 23 10:44	0°♌		max. Earth dist.	1780 Mar 01 17:13	5°♋50'51	1.37449 AU
superior conj	1779 Mar 26 01:55	5°♌16'21	-1°-10'-9	superior conj	1780 Mar 08 10:32	18°♋30'22	-1°-34'-57
minimum elong	1779 Mar 26 05:23	5°♌33'52	1°09'35	minimum elong	1780 Mar 08 14:45	18°♋50'50	1°34'26
asc. node	1779 Apr 02 08:19	20°♌11'58			1780 Mar 14 06:13	0°♌	
evening rise	1779 Apr 03 00:01	21°♌32'27		evening rise	1780 Mar 17 01:22	5°♌35'05	
	1779 Apr 07 05:38	0°♍		asc. node	1780 Mar 19 05:22	9°♌51'48	
evening max el	1779 Apr 21 03:23	20°♌57'02	20°17'36		1780 Mar 31 07:53	0°♍	
retrograde	1779 May 01 19:58	26°♌07'30		evening max el	1780 Apr 02 20:16	2°♌45'07	19°15'25
evening set	1779 May 03 21:21	25°♌56'49		retrograde	1780 Apr 11 20:43	7°♌06'53	
desc. node	1779 May 10 18:49	23°♌14'12		evening set	1780 Apr 13 23:08	6°♌53'41	
inferior conj	1779 May 12 23:17	21°♌58'39	0°-38'-11	inferior conj	1780 Apr 22 07:55	2°♌43'53	1°13'07
minimum elong	1779 May 12 21:29	22°♌01'17	0°37'32	minimum elong	1780 Apr 22 10:45	2°♌39'08	1°12'10
min. Earth dist.	1779 May 14 13:45	21°♌02'10	0.55180 AU	min. Earth dist.	1780 Apr 25 04:38	0°♌49'36	0.56316 AU
morning rise	1779 May 21 19:32	17°♌42'23			1780 Apr 26 12:24	30°♌	
direct	1779 May 25 16:27	17°♌09'54		desc. node	1780 Apr 26 15:51	29°♌54'49	
morning max el	1779 Jun 08 05:21	23°♌47'02	23°37'42	morning rise	1780 Apr 30 18:20	27°♌54'00	
	1779 Jun 13 20:06	0°♎		direct	1780 May 05 14:59	26°♌59'34	
asc. node	1779 Jun 29 07:35	25°♎48'47			1780 May 14 13:57	0°♍	
	1779 Jul 01 08:27	0°♏		morning max el	1780 May 19 19:51	4°♍14'21	25°17'18
morning set	1779 Jul 02 00:25	1°♏23'44			1780 Jun 07 05:16	0°♎	
superior conj	1779 Jul 09 02:27	16°♏36'45	1°27'05	asc. node	1780 Jun 15 04:38	15°♎40'14	
minimum elong	1779 Jul 09 00:07	16°♏24'15	1°26'49	morning set	1780 Jun 15 12:16	16°♎20'21	
max. Earth dist.	1779 Jul 11 08:58	21°♏28'16	1.33468 AU		1780 Jun 21 19:46	0°♏	
	1779 Jul 15 11:21	0°♐		superior conj	1780 Jun 22 12:35	1°♏31'59	1°10'31
evening rise	1779 Jul 16 15:38	2°♐22'41		minimum elong	1780 Jun 22 10:12	1°♏18'57	1°10'08
	1779 Aug 01 03:23	0°♑		max. Earth dist.	1780 Jun 23 16:14	4°♏02'53	1.32668 AU
desc. node	1779 Aug 06 18:11	8°♑20'25		evening rise	1780 Jun 29 16:29	16°♏49'50	
evening max el	1779 Aug 19 11:35	23°♑33'10	27°23'26		1780 Jul 06 09:50	0°♐	
	1779 Aug 28 18:24	0°♒		desc. node	1780 Jul 23 15:11	27°♐06'51	
retrograde	1779 Sep 02 00:53	0°♒51'06			1780 Jul 25 22:53	0°♑	
	1779 Sep 06 01:48	30°♑		evening max el	1780 Jul 31 20:05	6°♑20'59	27°19'55
evening set	1779 Sep 09 03:49	28°♑10'16		retrograde	1780 Aug 14 15:15	13°♑37'15	
min. Earth dist.	1779 Sep 12 20:49	24°♑49'26	0.64086 AU	evening set	1780 Aug 21 19:54	11°♑09'56	
inferior conj	1779 Sep 15 07:36	22°♑15'24	-3°-8'-5	min. Earth dist.	1780 Aug 25 09:57	8°♑17'52	0.62316 AU
minimum elong	1779 Sep 15 12:24	22°♑02'48	3°06'32	inferior conj	1780 Aug 28 08:48	5°♑32'31	-3°-59'-28
morning rise	1779 Sep 21 23:05	16°♑51'05		minimum elong	1780 Aug 28 14:05	5°♑20'09	3°58'12
direct	1779 Sep 24 11:24	16°♑19'17		morning rise	1780 Sep 04 10:59	0°♑27'44	
asc. node	1779 Sep 25 06:48	16°♑22'37		direct	1780 Sep 06 20:25	0°♑02'20	
morning max el	1779 Sep 30 23:57	19°♑45'12	17°55'35	asc. node	1780 Sep 11 03:51	1°♑27'04	
	1779 Oct 08 14:54	0°♓		morning max el	1780 Sep 13 15:32	3°♑29'24	17°52'59
morning set	1779 Oct 17 23:24	15°♓42'11		morning set	1780 Sep 29 15:33	28°♑29'12	
	1779 Oct 26 10:26	0°♔			1780 Sep 30 11:46	0°♒	
superior conj	1779 Oct 30 21:47	7°♔21'09	0°18'59	superior conj	1780 Oct 10 17:38	18°♒00'20	0°57'59
minimum elong	1779 Oct 30 23:54	7°♔29'43	0°18'41	minimum elong	1780 Oct 10 22:11	18°♒19'43	0°57'25
desc. node	1779 Nov 02 17:31	11°♔54'55			1780 Oct 17 22:28	0°♓	
max. Earth dist.	1779 Nov 05 06:59	16°♔00'36	1.44429 AU	max. Earth dist.	1780 Oct 17 21:30	29°♒56'05	1.43125 AU
	1779 Nov 14 05:17	0°♕		desc. node	1780 Oct 19 14:33	2°♓42'16	
evening rise	1779 Nov 16 01:19	2°♕49'47		evening rise	1780 Oct 25 10:59	11°♓58'43	
	1779 Dec 04 05:27	0°♖			1780 Nov 06 08:17	0°♔	
greatest brilliancy	1779 Dec 07 10:07	4°♖24'17	-0.5m	greatest brilliancy	1780 Nov 20 14:12	19°♔45'11	-0.4m
evening max el	1779 Dec 13 14:42	11°♖52'39	20°24'36	evening max el	1780 Nov 25 12:09	25°♔23'06	21°35'12
retrograde	1779 Dec 21 13:51	16°♖34'07			1780 Dec 01 11:20	0°♗	
asc. node	1779 Dec 22 06:03	16°♖31'34		retrograde	1780 Dec 04 11:06	0°♗42'55	

	1780 Dec 07 06:21	30°♁		retrograde	1781 Nov 18 06:01	14°♁53'36	
asc. node	1780 Dec 08 03:05	29°♁28'46		evening set	1781 Nov 22 23:13	12°♁58'56	
evening set	1780 Dec 08 15:57	29°♁05'07		asc. node	1781 Nov 25 00:08	10°♁57'48	
inferior conj	1780 Dec 14 01:32	22°♁46'33	1°55'32	min. Earth dist.	1781 Nov 28 02:48	6°♁56'05	0.67807 AU
minimum elong	1780 Dec 13 23:15	22°♁54'27	1°54'42	inferior conj	1781 Nov 28 08:57	6°♁34'50	1°08'09
min. Earth dist.	1780 Dec 14 06:11	22°♁30'26	0.67681 AU	minimum elong	1781 Nov 28 07:26	6°♁40'04	1°07'32
morning rise	1780 Dec 19 06:15	16°♁31'53		morning rise	1781 Dec 03 15:37	0°♁22'55	
direct	1780 Dec 24 05:56	14°♁24'33			1781 Dec 04 03:40	30°♁	
morning max el	1781 Jan 03 09:57	20°♁26'58	23°08'01	direct	1781 Dec 08 00:32	28°♁38'21	
greatest brilliancy	1781 Jan 08 08:30	25°♁58'40	-0.3m		1781 Dec 12 06:08	0°♁	
	1781 Jan 11 13:20	0°♁		morning max el	1781 Dec 16 23:16	3°♁53'16	21°42'15
desc. node	1781 Jan 15 13:46	5°♁22'43		greatest brilliancy	1781 Dec 21 20:17	9°♁24'43	-0.4m
	1781 Feb 01 02:37	0°♁		desc. node	1782 Jan 02 10:47	25°♁15'06	
morning set	1781 Feb 07 02:45	9°♁46'57			1782 Jan 05 16:21	0°♁	
max. Earth dist.	1781 Feb 11 12:19	17°♁15'26	1.39578 AU	morning set	1782 Jan 17 23:52	18°♁56'34	
	1781 Feb 18 15:43	0°♁		max. Earth dist.	1782 Jan 24 11:16	29°♁27'52	1.41666 AU
					1782 Jan 24 19:00	0°♁	
superior conj	1781 Feb 19 04:22	0°♁58'15	-1°-54'-19	superior conj	1782 Feb 01 02:17	12°♁26'54	-2°-4'-14
minimum elong	1781 Feb 19 08:05	1°♁15'21	1°54'03	minimum elong	1782 Feb 01 03:16	12°♁31'13	2°04'14
evening rise	1781 Feb 28 18:08	19°♁07'42			1782 Feb 10 20:22	0°♁	
asc. node	1781 Mar 06 02:25	29°♁11'51		evening rise	1782 Feb 11 22:43	2°♁01'03	
	1781 Mar 06 13:02	0°♁		asc. node	1782 Feb 20 23:26	18°♁04'43	
evening max el	1781 Mar 16 22:44	15°♁09'25	18°33'17	evening max el	1782 Feb 28 07:37	28°♁00'55	18°11'13
retrograde	1781 Mar 24 15:35	18°♁55'59			1782 Mar 02 17:31	0°♁	
evening set	1781 Mar 26 23:16	18°♁36'34		retrograde	1782 Mar 07 04:25	1°♁28'34	
inferior conj	1781 Apr 03 13:06	14°♁07'55	2°34'43	evening set	1782 Mar 09 17:36	1°♁00'36	
minimum elong	1781 Apr 03 17:08	14°♁00'02	2°33'41		1782 Mar 11 19:24	30°♁	
min. Earth dist.	1781 Apr 06 23:03	11°♁28'59	0.58118 AU	inferior conj	1782 Mar 16 14:57	26°♁10'39	3°22'39
morning rise	1781 Apr 11 06:43	8°♁45'46		minimum elong	1782 Mar 16 17:40	26°♁04'27	3°22'14
desc. node	1781 Apr 13 12:53	7°♁51'24		min. Earth dist.	1782 Mar 19 22:56	23°♁10'14	0.60237 AU
direct	1781 Apr 17 03:58	7°♁17'39		morning rise	1782 Mar 23 14:22	20°♁25'46	
morning max el	1781 May 01 13:08	14°♁56'03	26°40'05	direct	1782 Mar 30 05:21	18°♁21'04	
	1781 May 13 15:56	0°♁		desc. node	1782 Mar 31 09:56	18°♁24'57	
	1781 May 30 09:00	0°♁		morning max el	1782 Apr 13 12:08	26°♁11'34	27°33'01
morning set	1781 May 30 22:45	1°♁11'54			1782 Apr 17 01:47	0°♁	
asc. node	1781 Jun 02 01:42	5°♁42'32			1782 May 07 02:54	0°♁	
				morning set	1782 May 15 06:09	15°♁52'09	
superior conj	1781 Jun 07 00:15	16°♁29'51	0°50'07	asc. node	1782 May 19 22:44	25°♁50'45	
minimum elong	1781 Jun 06 22:17	16°♁18'58	0°49'45	max. Earth dist.	1782 May 21 15:42	29°♁34'17	1.32229 AU
max. Earth dist.	1781 Jun 07 03:42	16°♁48'47	1.32257 AU		1782 May 21 20:23	0°♁	
	1781 Jun 13 05:30	0°♁		superior conj	1782 May 22 11:45	1°♁24'16	0°26'36
evening rise	1781 Jun 13 23:09	1°♁32'59		minimum elong	1782 May 22 10:35	1°♁17'50	0°26'21
	1781 Jun 29 10:26	0°♁		evening rise	1782 May 29 09:22	16°♁24'23	
desc. node	1781 Jul 10 12:11	14°♁53'05			1782 Jun 05 03:39	0°♁	
evening max el	1781 Jul 13 23:07	18°♁27'23	26°43'23	evening max el	1782 Jun 25 19:16	29°♁48'05	25°36'02
retrograde	1781 Jul 27 22:14	25°♁41'00			1782 Jun 26 00:17	0°♁	
evening set	1781 Aug 03 18:03	23°♁41'04		desc. node	1782 Jun 27 09:11	1°♁14'28	
min. Earth dist.	1781 Aug 07 12:53	21°♁04'12	0.60306 AU	retrograde	1782 Jul 09 19:49	6°♁57'03	
inferior conj	1781 Aug 10 19:35	18°♁23'16	-4°-39'-8	evening set	1782 Jul 15 17:47	5°♁34'41	
minimum elong	1781 Aug 10 23:40	18°♁14'52	4°38'35	min. Earth dist.	1782 Jul 20 07:30	2°♁55'02	0.58254 AU
morning rise	1781 Aug 18 08:33	13°♁40'37		inferior conj	1782 Jul 23 12:29	0°♁38'30	-4°-56'-53
direct	1781 Aug 20 17:51	13°♁19'06		minimum elong	1782 Jul 23 12:53	0°♁37'46	4°56'53
morning max el	1781 Aug 28 03:34	16°♁56'28	18°09'30		1782 Jul 24 10:13	30°♁	
asc. node	1781 Aug 29 00:55	17°♁50'41		morning rise	1782 Jul 31 11:37	26°♁18'40	
	1781 Sep 06 09:47	0°♁		direct	1782 Aug 02 23:32	25°♁59'04	
morning set	1781 Sep 12 23:20	12°♁01'02		morning max el	1782 Aug 11 08:55	29°♁57'27	18°46'28
					1782 Aug 11 09:59	0°♁	
superior conj	1781 Sep 22 15:18	29°♁55'21	1°24'55	asc. node	1782 Aug 15 21:58	5°♁18'24	
minimum elong	1781 Sep 22 19:18	0°♁13'19	1°24'32	morning set	1782 Aug 27 18:16	26°♁06'02	
	1781 Sep 22 16:21	0°♁			1782 Aug 29 18:04	0°♁	
max. Earth dist.	1781 Sep 30 06:22	13°♁13'10	1.41349 AU	superior conj	1782 Sep 05 09:43	12°♁52'20	1°40'16
evening rise	1781 Oct 05 11:38	21°♁50'43		minimum elong	1782 Sep 05 11:55	13°♁02'46	1°40'08
desc. node	1781 Oct 06 11:32	23°♁27'05		max. Earth dist.	1782 Sep 12 11:00	25°♁48'36	1.39332 AU
	1781 Oct 10 14:55	0°♁			1782 Sep 14 20:26	0°♁	
	1781 Oct 31 12:23	0°♁					
greatest brilliancy	1781 Nov 03 00:00	3°♁06'07	-0.3m				
evening max el	1781 Nov 08 04:31	8°♁55'07	22°53'24				

evening rise	1782 Sep 16 11:56	2°♁49'19			1783 Aug 21 12:59	0°♎	
desc. node	1782 Sep 23 08:32	14°♁06'08		max. Earth dist.	1783 Aug 25 15:27	7°♎51'18	1.37321 AU
	1782 Oct 03 20:35	0°♎		evening rise	1783 Aug 29 11:34	14°♎53'25	
evening max el	1782 Oct 21 17:44	22°♎31'31	24°13'15		1783 Sep 07 08:31	0°♁	
retrograde	1782 Nov 01 21:19	29°♎03'40		desc. node	1783 Sep 10 05:33	4°♁34'20	
evening set	1782 Nov 07 04:25	26°♎51'54			1783 Sep 28 13:19	0°♎	
min. Earth dist.	1782 Nov 11 23:01	21°♎22'32	0.67608 AU	evening max el	1783 Oct 04 05:45	6°♎11'00	25°27'51
asc. node	1782 Nov 11 21:10	21°♎28'46		retrograde	1783 Oct 16 08:10	13°♎08'18	
inferior conj	1782 Nov 12 15:39	20°♎26'28	0°15'54	evening set	1783 Oct 22 05:50	10°♎40'49	
minimum elong	1782 Nov 12 15:16	20°♎27'46	0°15'45	min. Earth dist.	1783 Oct 26 16:21	5°♎46'49	0.67075 AU
transit begin	1782 Nov 12 14:35	20°♎30'04		inferior conj	1783 Oct 27 19:50	4°♎18'18	0°-39'-54
transit end	1782 Nov 12 15:57	20°♎25'28		minimum elong	1783 Oct 27 20:52	4°♎15'00	0°39'28
morning rise	1782 Nov 18 02:24	14°♎19'46		asc. node	1783 Oct 29 18:12	1°♎53'09	
direct	1782 Nov 21 21:49	12°♎56'59			1783 Oct 31 11:32	30°♁	
morning max el	1782 Nov 29 19:40	17°♎30'10	20°25'54	morning rise	1783 Nov 02 12:36	28°♁19'39	
greatest brilliancy	1782 Dec 06 03:56	25°♎02'33	-0.5m	direct	1783 Nov 05 20:20	27°♁15'56	
	1782 Dec 09 18:55	0°♁			1783 Nov 11 14:55	0°♎	
desc. node	1782 Dec 20 07:49	15°♁28'18		morning max el	1783 Nov 12 23:59	1°♎17'40	19°23'04
morning set	1782 Dec 27 22:54	27°♁08'29		greatest brilliancy	1783 Nov 22 06:16	13°♎10'47	-0.7m
	1782 Dec 29 19:02	0°♁			1783 Dec 03 08:51	0°♁	
max. Earth dist.	1783 Jan 06 18:12	12°♁36'44	1.43427 AU	morning set	1783 Dec 06 22:33	5°♁31'40	
				desc. node	1783 Dec 07 04:51	5°♁56'07	
superior conj	1783 Jan 12 23:21	22°♁45'54	-1°-59'-47	max. Earth dist.	1783 Dec 20 08:27	26°♁29'53	1.44625 AU
minimum elong	1783 Jan 12 19:16	22°♁29'01	1°59'38		1783 Dec 22 13:27	0°♁	
	1783 Jan 17 06:50	0°♁		superior conj	1783 Dec 23 18:21	1°♁55'03	-1°-36'-51
evening rise	1783 Jan 25 10:59	14°♁07'12		minimum elong	1783 Dec 23 09:53	1°♁21'16	1°36'06
	1783 Feb 03 16:26	0°♁		evening rise	1784 Jan 07 02:46	25°♁19'02	
asc. node	1783 Feb 07 20:27	6°♁22'08			1784 Jan 09 22:12	0°♁	
evening max el	1783 Feb 11 19:42	11°♁10'53	18°08'39	asc. node	1784 Jan 25 17:29	23°♁53'27	
retrograde	1783 Feb 18 07:28	14°♁34'48		evening max el	1784 Jan 26 08:07	24°♁31'48	18°24'54
evening set	1783 Feb 21 01:41	13°♁57'00		retrograde	1784 Feb 01 20:20	28°♁04'58	
inferior conj	1783 Feb 27 10:11	8°♁45'55	3°42'32	evening set	1784 Feb 04 19:40	27°♁16'29	
minimum elong	1783 Feb 27 10:53	8°♁44'07	3°42'31	inferior conj	1784 Feb 10 18:46	21°♁45'54	3°41'28
min. Earth dist.	1783 Mar 02 06:47	5°♁48'59	0.62337 AU	minimum elong	1784 Feb 10 17:44	21°♁48'54	3°41'24
morning rise	1783 Mar 05 17:47	2°♁46'54		min. Earth dist.	1784 Feb 13 00:14	19°♁11'53	0.64184 AU
direct	1783 Mar 12 16:12	0°♁13'36		morning rise	1784 Feb 16 14:19	15°♁38'22	
desc. node	1783 Mar 18 06:59	1°♁41'24		direct	1784 Feb 23 10:52	12°♁49'59	
morning max el	1783 Mar 26 17:00	8°♁08'28	27°49'24	desc. node	1784 Mar 04 04:02	17°♁09'35	
	1783 Apr 12 11:58	0°♁		morning max el	1784 Mar 08 01:51	20°♁42'10	27°29'26
	1783 Apr 29 05:37	0°♁			1784 Mar 16 02:50	0°♁	
morning set	1783 Apr 29 08:24	0°♁14'09			1784 Apr 04 13:35	0°♁	
max. Earth dist.	1783 May 05 00:30	12°♁06'46	1.32598 AU	morning set	1784 Apr 12 02:56	14°♁09'44	
				max. Earth dist.	1784 Apr 17 02:09	24°♁13'44	1.33384 AU
superior conj	1783 May 06 21:20	16°♁09'04	0°00'42		1784 Apr 19 19:59	0°♁	
minimum elong	1783 May 06 21:18	16°♁08'53	0°00'41	superior conj	1784 Apr 20 03:11	0°♁38'14	0°-26'-44
behind sun begin	1783 May 06 16:09	15°♁40'53		minimum elong	1784 Apr 20 04:30	0°♁45'19	0°26'29
behind sun end	1783 May 07 02:28	16°♁36'55		asc. node	1784 Apr 22 16:48	6°♁07'46	
asc. node	1783 May 06 19:45	16°♁00'26		evening rise	1784 Apr 27 08:37	16°♁04'18	
	1783 May 13 06:39	0°♁			1784 May 04 08:18	0°♁	
evening rise	1783 May 13 21:08	1°♁16'59		evening max el	1784 May 19 00:54	21°♁00'28	22°30'47
	1783 May 29 17:09	0°♁		desc. node	1784 May 31 03:13	27°♁27'19	
evening max el	1783 Jun 07 09:54	10°♁30'30	24°06'54	retrograde	1784 Jun 01 02:46	27°♁29'31	
desc. node	1783 Jun 14 06:12	15°♁37'38		evening set	1784 Jun 04 05:27	27°♁08'11	
retrograde	1783 Jun 21 05:24	17°♁27'36		min. Earth dist.	1784 Jun 12 08:17	23°♁36'24	0.55258 AU
evening set	1783 Jun 25 18:17	16°♁42'01		inferior conj	1784 Jun 13 11:44	22°♁57'26	-3°-34'-2
min. Earth dist.	1783 Jul 01 20:43	13°♁42'58	0.56459 AU	minimum elong	1784 Jun 13 03:53	23°♁08'35	3°31'58
inferior conj	1783 Jul 04 09:09	12°♁09'18	-4°-38'-55	morning rise	1784 Jun 22 04:46	19°♁05'50	
minimum elong	1783 Jul 04 04:15	12°♁16'57	4°38'18	direct	1784 Jun 25 03:28	18°♁46'01	
morning rise	1783 Jul 12 17:46	8°♁09'05		morning max el	1784 Jul 06 12:58	24°♁03'45	21°03'48
direct	1783 Jul 15 10:17	7°♁50'06			1784 Jul 11 19:22	0°♁	
morning max el	1783 Jul 25 04:34	12°♁21'56	19°44'51	asc. node	1784 Jul 19 16:03	12°♁29'34	
asc. node	1783 Aug 02 19:00	23°♁35'12		morning set	1784 Jul 26 04:24	25°♁17'04	
	1783 Aug 06 10:45	0°♁			1784 Jul 28 10:53	0°♁	
morning set	1783 Aug 11 20:49	10°♁33'47		superior conj	1784 Aug 02 15:41	10°♁50'05	1°43'24
superior conj	1783 Aug 19 19:20	26°♁34'54	1°45'48				
minimum elong	1783 Aug 19 19:39	26°♁36'29	1°45'48				

minimum elong	1784 Aug 02 14:33	10°Ω44'12	1°43'21	superior conj	1785 Jul 17 19:23	25°☿27'17	1°34'35
max. Earth dist.	1784 Aug 07 00:54	19°Ω42'16	1.35534 AU	minimum elong	1785 Jul 17 17:20	25°☿16'23	1°34'24
evening rise	1784 Aug 11 06:32	27°Ω53'03			1785 Jul 19 23:06	0°Ω	
	1784 Aug 12 09:42	0°♍		max. Earth dist.	1785 Jul 20 19:04	1°Ω44'01	1.34103 AU
desc. node	1784 Aug 27 02:34	24°♍45'49		evening rise	1785 Jul 25 16:09	11°Ω35'48	
	1784 Aug 30 15:27	0°♁			1785 Aug 04 17:46	0°♍	
evening max el	1784 Sep 15 17:45	19°♁49'00	26°29'43	desc. node	1785 Aug 13 23:35	14°♍33'13	
retrograde	1784 Sep 28 14:03	27°♁01'42			1785 Aug 26 00:38	0°♁	
evening set	1784 Oct 05 01:32	24°♁22'35		evening max el	1785 Aug 29 05:49	3°♁17'35	27°11'23
min. Earth dist.	1784 Oct 09 04:30	20°♁05'25	0.66193 AU	retrograde	1785 Sep 11 14:38	10°♁36'17	
inferior conj	1784 Oct 10 19:37	18°♁07'19	-1°-37'-48	evening set	1785 Sep 18 13:08	7°♁53'05	
minimum elong	1784 Oct 10 22:12	17°♁59'29	1°36'45	min. Earth dist.	1785 Sep 22 09:16	4°♁12'30	0.64951 AU
asc. node	1784 Oct 15 15:16	13°♁06'30		inferior conj	1785 Sep 24 12:48	1°♁49'22	-2°-35'-46
morning rise	1784 Oct 16 20:07	12°♁19'34		minimum elong	1785 Sep 24 16:55	1°♁37'57	2°34'18
direct	1784 Oct 19 18:17	11°♁31'21			1785 Sep 26 05:06	30°♍	
morning max el	1784 Oct 26 10:50	15°♁12'14	18°35'50	morning rise	1785 Sep 30 22:30	26°♍15'35	
	1784 Nov 06 08:01	0°♌		asc. node	1785 Oct 02 12:20	25°♍44'51	
morning set	1784 Nov 15 20:47	15°♌06'38		direct	1785 Oct 03 13:34	25°♍38'56	
desc. node	1784 Nov 23 01:53	26°♌34'03		morning max el	1785 Oct 10 01:47	29°♍08'15	18°05'15
	1784 Nov 25 06:04	0°♊			1785 Oct 10 21:31	0°♁	
				morning set	1785 Oct 28 00:15	26°♁08'28	
superior conj	1784 Dec 01 20:46	10°♊24'00	0°-56'-27		1785 Oct 30 07:59	0°♌	
minimum elong	1784 Dec 01 13:42	9°♊56'18	0°55'35	desc. node	1785 Nov 09 22:55	17°♌18'33	
max. Earth dist.	1784 Dec 02 02:34	10°♊46'47	1.45126 AU				
	1784 Dec 14 07:20	0°♋		superior conj	1785 Nov 11 03:11	19°♌11'24	0°-7'-54
evening rise	1784 Dec 17 19:14	5°♋33'15		minimum elong	1785 Nov 11 02:12	19°♌07'28	0°07'47
	1785 Jan 02 11:17	0°♎		behind sun begin	1785 Nov 10 16:42	18°♌29'35	
evening max el	1785 Jan 08 18:20	7°♎58'05	18°58'57	behind sun end	1785 Nov 11 11:41	19°♌45'18	
asc. node	1785 Jan 11 14:32	10°♎25'18		max. Earth dist.	1785 Nov 14 21:24	25°♌09'00	1.44886 AU
retrograde	1785 Jan 15 14:59	11°♎51'19			1785 Nov 17 23:26	0°♊	
evening set	1785 Jan 18 20:24	10°♎51'06		evening rise	1785 Nov 27 14:25	14°♊58'17	
inferior conj	1785 Jan 24 12:59	5°♎03'24	3°24'58		1785 Dec 07 09:07	0°♋	
minimum elong	1785 Jan 24 10:51	5°♎10'06	3°24'36	greatest brilliancy	1785 Dec 15 14:42	12°♋09'50	-0.6m
min. Earth dist.	1785 Jan 26 03:07	3°♎03'58	0.65672 AU	evening max el	1785 Dec 23 00:31	21°♋27'32	19°49'15
	1785 Jan 28 19:21	30°♋		asc. node	1785 Dec 29 11:35	25°♋43'32	
morning rise	1785 Jan 30 00:19	28°♋50'54		retrograde	1785 Dec 30 12:24	25°♋49'28	
direct	1785 Feb 05 12:18	26°♋01'26		evening set	1786 Jan 03 01:25	24°♋36'03	
	1785 Feb 14 10:41	0°♎		inferior conj	1786 Jan 08 13:52	18°♋33'59	2°56'57
morning max el	1785 Feb 18 11:46	3°♎40'10	26°38'18	minimum elong	1786 Jan 08 11:15	18°♋42'40	2°56'16
desc. node	1785 Feb 19 01:05	4°♎14'04		min. Earth dist.	1786 Jan 09 13:52	17°♋14'21	0.66765 AU
	1785 Mar 10 11:34	0°♏		morning rise	1786 Jan 13 20:24	12°♋19'04	
morning set	1785 Mar 26 10:14	27°♏27'20		direct	1786 Jan 19 19:44	9°♋40'16	
	1785 Mar 27 18:13	0°♐		morning max el	1786 Jan 31 20:45	16°♋50'53	25°24'40
max. Earth dist.	1785 Mar 30 16:55	5°♐45'48	1.34619 AU	desc. node	1786 Feb 05 22:09	22°♋27'39	
					1786 Feb 11 19:52	0°♎	
superior conj	1785 Apr 04 03:00	14°♐44'04	0°-54'-35		1786 Mar 03 10:26	0°♏	
minimum elong	1785 Apr 04 05:45	14°♐58'15	0°54'04	morning set	1786 Mar 09 01:41	9°♏53'50	
asc. node	1785 Apr 09 13:50	26°♐07'43		max. Earth dist.	1786 Mar 12 19:50	16°♏49'57	1.36308 AU
	1785 Apr 11 10:20	0°♑					
evening rise	1785 Apr 11 17:50	0°♑38'51		superior conj	1786 Mar 18 18:08	28°♏19'27	-1°-21'-8
	1785 Apr 29 05:46	0°♒		minimum elong	1786 Mar 18 22:01	28°♏38'47	1°20'34
evening max el	1785 Apr 30 23:39	1°♒48'45	21°01'54		1786 Mar 19 14:17	0°♐	
retrograde	1785 May 12 16:24	7°♒30'41		evening rise	1786 Mar 26 22:43	14°♐54'38	
evening set	1785 May 14 21:46	7°♒19'05		asc. node	1786 Mar 27 10:53	15°♐56'05	
desc. node	1785 May 18 00:16	6°♒27'23			1786 Apr 03 19:57	0°♑	
inferior conj	1785 May 24 05:37	3°♒20'55	-1°-47'-41	evening max el	1786 Apr 13 10:03	13°♑14'00	19°48'49
minimum elong	1785 May 24 00:35	3°♒28'03	1°45'54	retrograde	1786 Apr 23 09:02	18°♑02'17	
min. Earth dist.	1785 May 24 20:43	2°♒59'32	0.54924 AU	evening set	1786 Apr 25 09:47	17°♑51'11	
	1785 May 30 21:41	30°♑		inferior conj	1786 May 04 05:10	13°♑49'54	0°11'40
morning rise	1785 Jun 02 02:58	29°♑18'43		minimum elong	1786 May 04 05:41	13°♑49'06	0°11'29
direct	1785 Jun 05 12:56	28°♑53'31		transit begin	1786 May 04 02:56	13°♑53'21	
	1785 Jun 10 23:16	0°♒		transit end	1786 May 04 08:26	13°♑44'52	
morning max el	1785 Jun 18 10:56	5°♒03'43	22°39'03	desc. node	1786 May 04 21:18	13°♑24'56	
	1785 Jul 05 14:07	0°☿		min. Earth dist.	1786 May 06 10:39	12°♑27'37	0.55559 AU
asc. node	1785 Jul 06 13:07	1°☿51'46		morning rise	1786 May 12 22:19	9°♑19'40	
morning set	1785 Jul 10 14:59	10°☿09'43		direct	1786 May 17 04:47	8°♑39'17	
				morning max el	1786 May 31 02:16	15°♑35'02	24°21'05

	1786 Jun 11 13:41	0°♄				1787 May 16 10:08	0°♄		
asc. node	1786 Jun 23 10:09	21°♄34'10				1787 Jun 04 15:51	0°♄		
morning set	1786 Jun 25 02:48	25°♄06'07			morning set	1787 Jun 09 14:16	10°♄01'16		
	1786 Jun 27 09:54	0°♄			asc. node	1787 Jun 10 07:11	11°♄30'50		
superior conj	1786 Jul 02 03:46	10°♄17'51	1°20'35		superior conj	1787 Jun 16 14:45	25°♄15'01	1°02'18	
minimum elong	1786 Jul 02 01:21	10°♄04'47	1°20'16		minimum elong	1787 Jun 16 12:29	25°♄02'35	1°01'55	
max. Earth dist.	1786 Jul 03 22:12	14°♄07'06	1.33076 AU		max. Earth dist.	1787 Jun 17 07:47	26°♄48'26	1.32445 AU	
evening rise	1786 Jul 09 12:24	25°♄49'50				1787 Jun 18 18:50	0°♄		
	1786 Jul 11 14:27	0°♄			evening rise	1787 Jun 23 16:03	10°♄25'14		
	1786 Jul 29 04:10	0°♄				1787 Jul 03 21:03	0°♄		
desc. node	1786 Jul 31 20:36	3°♄45'57			desc. node	1787 Jul 18 17:37	22°♄09'43		
evening max el	1786 Aug 11 16:29	16°♄24'45	27°26'00		evening max el	1787 Jul 24 23:14	28°♄57'28	27°08'35	
retrograde	1786 Aug 25 08:58	23°♄42'33				1787 Jul 26 02:25	0°♄		
evening set	1786 Sep 01 13:27	21°♄06'03			retrograde	1787 Aug 07 20:11	6°♄11'52		
min. Earth dist.	1786 Sep 05 04:40	17°♄58'21	0.63365 AU		evening set	1787 Aug 14 22:31	3°♄54'57		
inferior conj	1786 Sep 07 20:45	15°♄17'59	-3°-30'-52		min. Earth dist.	1787 Aug 18 13:30	1°♄11'08	0.61484 AU	
minimum elong	1786 Sep 08 01:54	15°♄05'03	3°29'22			1787 Aug 19 22:08	30°♄		
morning rise	1786 Sep 14 16:43	10°♄01'22			inferior conj	1787 Aug 21 16:18	28°♄25'46	-4°-18'-15	
direct	1786 Sep 17 03:21	9°♄32'45			minimum elong	1787 Aug 21 21:21	28°♄14'35	4°17'14	
asc. node	1786 Sep 19 09:23	9°♄57'33			morning rise	1787 Aug 28 23:04	23°♄29'47		
morning max el	1786 Sep 23 17:56	12°♄58'30	17°52'07		direct	1787 Aug 31 08:11	23°♄06'11		
	1786 Oct 05 09:15	0°♄			asc. node	1787 Sep 06 06:25	25°♄37'37		
morning set	1786 Oct 10 04:51	8°♄22'37			morning max el	1787 Sep 07 08:20	26°♄36'28	17°57'31	
						1787 Sep 10 07:25	0°♄		
superior conj	1786 Oct 22 07:17	29°♄03'54	0°36'54		morning set	1787 Sep 23 04:22	21°♄31'13		
minimum elong	1786 Oct 22 10:53	29°♄18'51	0°36'25			1787 Sep 27 19:54	0°♄		
	1786 Oct 22 20:50	0°♄							
desc. node	1786 Oct 27 19:56	8°♄05'36			superior conj	1787 Oct 03 14:37	10°♄16'49	1°10'54	
max. Earth dist.	1786 Oct 28 14:12	9°♄19'01	1.43947 AU		minimum elong	1787 Oct 03 19:12	10°♄36'45	1°10'23	
evening rise	1786 Nov 06 22:43	24°♄01'00			max. Earth dist.	1787 Oct 11 02:51	23°♄01'24	1.42427 AU	
	1786 Nov 10 20:27	0°♄			desc. node	1787 Oct 14 16:57	28°♄52'20		
greatest brilliancy	1786 Nov 30 13:03	28°♄28'37	-0.5m			1787 Oct 15 09:47	0°♄		
	1786 Dec 01 17:46	0°♄			evening rise	1787 Oct 17 13:13	3°♄24'42		
evening max el	1786 Dec 06 01:21	4°♄57'52	20°53'26			1787 Nov 04 06:45	0°♄		
retrograde	1786 Dec 14 10:08	9°♄55'00			greatest brilliancy	1787 Nov 14 03:26	13°♄09'48	-0.3m	
asc. node	1786 Dec 16 08:38	9°♄34'00			evening max el	1787 Nov 18 20:37	18°♄29'12	22°07'47	
evening set	1786 Dec 18 08:41	8°♄26'35			retrograde	1787 Nov 28 06:26	24°♄04'58		
inferior conj	1786 Dec 23 18:51	2°♄13'15	2°20'02		evening set	1787 Dec 02 16:26	22°♄20'00		
minimum elong	1786 Dec 23 16:19	2°♄21'58	2°19'12		asc. node	1787 Dec 03 05:40	21°♄51'47		
min. Earth dist.	1786 Dec 24 06:13	1°♄34'18	0.67462 AU		inferior conj	1787 Dec 08 01:56	15°♄58'47	1°36'04	
	1786 Dec 25 10:08	30°♄			minimum elong	1787 Dec 07 23:55	16°♄05'43	1°35'18	
morning rise	1786 Dec 28 23:31	25°♄58'02			min. Earth dist.	1787 Dec 08 01:53	15°♄58'55	0.67789 AU	
direct	1787 Jan 03 08:06	23°♄37'51			morning rise	1787 Dec 13 07:14	9°♄45'14		
	1787 Jan 14 02:20	0°♄			direct	1787 Dec 18 00:36	7°♄47'33		
morning max el	1787 Jan 14 05:03	0°♄06'50	23°58'49		morning max el	1787 Dec 27 15:34	13°♄28'39	22°30'39	
desc. node	1787 Jan 23 19:11	11°♄29'52			greatest brilliancy	1788 Jan 01 05:18	18°♄35'08	-0.3m	
	1787 Feb 05 17:21	0°♄				1788 Jan 09 21:11	0°♄		
morning set	1787 Feb 18 19:21	21°♄12'53			desc. node	1788 Jan 10 16:12	1°♄06'50		
max. Earth dist.	1787 Feb 22 15:23	27°♄55'40	1.38344 AU			1788 Jan 29 16:06	0°♄		
	1787 Feb 23 19:08	0°♄			morning set	1788 Jan 30 09:19	1°♄10'06		
					max. Earth dist.	1788 Feb 04 11:50	9°♄40'09	1.40497 AU	
superior conj	1787 Mar 01 21:00	11°♄15'10	-1°-44'-3						
minimum elong	1787 Mar 02 01:13	11°♄35'10	1°43'38		superior conj	1788 Feb 12 07:01	23°♄19'17	-1°-59'-57	
evening rise	1787 Mar 10 20:44	28°♄44'56			minimum elong	1788 Feb 12 09:53	23°♄32'12	1°59'51	
	1787 Mar 11 12:04	0°♄				1788 Feb 15 22:45	0°♄		
asc. node	1787 Mar 14 07:56	5°♄28'01			evening rise	1788 Feb 22 08:46	12°♄01'47		
evening max el	1787 Mar 27 07:25	25°♄18'28	18°55'04		asc. node	1788 Feb 29 04:58	24°♄37'15		
retrograde	1787 Apr 04 16:46	29°♄22'48				1788 Mar 03 10:27	0°♄		
evening set	1787 Apr 06 21:27	29°♄07'12			evening max el	1788 Mar 09 12:58	7°♄55'00	18°21'26	
inferior conj	1787 Apr 14 22:02	24°♄50'02	1°51'59		retrograde	1788 Mar 16 19:46	11°♄31'39		
minimum elong	1787 Apr 15 01:48	24°♄43'19	1°50'50		evening set	1788 Mar 19 05:55	11°♄08'42		
min. Earth dist.	1787 Apr 18 02:38	22°♄34'29	0.57022 AU		inferior conj	1788 Mar 26 12:15	6°♄30'41	2°58'58	
desc. node	1787 Apr 21 18:20	20°♄22'20			minimum elong	1788 Mar 26 15:55	6°♄23'01	2°58'11	
morning rise	1787 Apr 23 01:52	19°♄45'58			min. Earth dist.	1788 Mar 29 22:45	3°♄39'47	0.59002 AU	
direct	1787 Apr 28 09:44	18°♄38'03			morning rise	1788 Apr 02 22:02	0°♄57'48		
morning max el	1787 May 12 17:03	26°♄04'04	25°55'32			1788 Apr 05 00:27	30°♄		

desc. node	1788 Apr 07 15:23	29°♁20'15		morning rise	1789 Mar 15 14:19	12°♁56'42	
direct	1788 Apr 09 03:52	29°♁14'06		direct	1789 Mar 22 09:28	10°♁38'35	
	1788 Apr 13 09:54	0°♃		desc. node	1789 Mar 25 12:25	11°♁05'39	
morning max el	1788 Apr 23 12:33	6°♃57'59	27°07'01	morning max el	1789 Apr 05 14:32	18°♁32'17	27°44'39
	1788 May 10 18:27	0°♄			1789 Apr 15 06:11	0°♃	
morning set	1788 May 23 23:39	24°♄48'30			1789 May 03 12:06	0°♄	
	1788 May 26 10:25	0°♅		morning set	1789 May 08 05:08	9°♄21'50	
asc. node	1788 May 27 04:13	1°♅35'52		max. Earth dist.	1789 May 14 07:17	22°♄17'51	1.32336 AU
max. Earth dist.	1788 May 30 20:07	9°♅36'20	1.32198 AU	asc. node	1789 May 14 01:16	21°♄45'07	
superior conj	1788 May 31 02:31	10°♅11'33	0°40'30	superior conj	1789 May 15 13:24	25°♄02'12	0°15'52
minimum elong	1788 May 31 00:50	10°♅02'18	0°40'09	minimum elong	1789 May 15 12:40	24°♄58'14	0°15'42
evening rise	1788 Jun 07 00:27	25°♅12'25		behind sun begin	1789 May 15 11:58	24°♄54'22	
	1788 Jun 09 07:53	0°♆		behind sun end	1789 May 15 13:23	25°♄02'06	
	1788 Jun 26 19:19	0°♇			1789 May 17 19:46	0°♅	
desc. node	1788 Jul 04 14:38	9°♇23'06		evening rise	1789 May 22 11:33	10°♅04'34	
evening max el	1788 Jul 05 23:21	10°♇43'50	26°18'08		1789 Jun 01 17:24	0°♆	
retrograde	1788 Jul 19 23:03	17°♇55'24		evening max el	1789 Jun 17 16:23	21°♆44'26	24°59'52
evening set	1788 Jul 26 11:30	16°♇10'27		desc. node	1789 Jun 21 11:40	24°♆57'59	
min. Earth dist.	1788 Jul 30 12:12	13°♇35'02	0.59427 AU	retrograde	1789 Jul 01 15:58	28°♆50'33	
inferior conj	1788 Aug 02 19:48	11°♇02'00	-4°-50'-6	evening set	1789 Jul 07 00:56	27°♆44'26	
minimum elong	1788 Aug 02 22:39	10°♇56'30	4°49'51	min. Earth dist.	1789 Jul 12 03:54	24°♆58'21	0.57436 AU
morning rise	1788 Aug 10 13:12	6°♇29'14		inferior conj	1789 Jul 15 04:05	22°♆57'47	-4°-54'-27
direct	1788 Aug 12 23:30	6°♇08'36		minimum elong	1789 Jul 15 02:17	23°♆00'49	4°54'24
morning max el	1788 Aug 20 17:52	9°♇53'03	18°22'43	morning rise	1789 Jul 23 07:25	18°♆47'29	
asc. node	1788 Aug 23 03:27	12°♇29'47		direct	1789 Jul 25 21:01	18°♆28'23	
	1788 Sep 02 22:16	0°♈		morning max el	1789 Aug 03 19:26	22°♆39'11	19°08'49
morning set	1788 Sep 05 17:23	5°♈18'21			1789 Aug 09 19:20	0°♇	
superior conj	1788 Sep 14 21:51	22°♈40'16	1°32'45	asc. node	1789 Aug 10 00:29	0°♇19'16	
minimum elong	1788 Sep 15 01:09	22°♈55'26	1°32'28	morning set	1789 Aug 20 15:50	19°♇33'06	
	1788 Sep 18 23:08	0°♉			1789 Aug 25 22:04	0°♈	
max. Earth dist.	1788 Sep 22 10:02	6°♉02'14	1.40509 AU	superior conj	1789 Aug 28 23:18	5°♈57'59	1°43'42
evening rise	1788 Sep 26 23:27	13°♉43'24		minimum elong	1789 Aug 29 00:40	6°♈04'37	1°43'38
desc. node	1788 Sep 30 13:57	19°♉35'07		max. Earth dist.	1789 Sep 04 13:30	18°♈19'28	1.38452 AU
	1788 Oct 07 06:24	0°♊		evening rise	1789 Sep 08 09:55	25°♈09'47	
	1788 Oct 29 12:25	0°♋			1789 Sep 11 05:40	0°♉	
evening max el	1788 Oct 31 11:19	2°♋02'46	23°27'26	desc. node	1789 Sep 17 10:59	10°♉09'47	
retrograde	1788 Nov 10 23:58	8°♋16'21			1789 Sep 30 22:27	0°♊	
evening set	1788 Nov 15 23:03	6°♋14'04		evening max el	1789 Oct 13 23:34	15°♊39'45	24°46'05
asc. node	1788 Nov 19 02:42	2°♋51'20		retrograde	1789 Oct 25 13:39	22°♊24'42	
min. Earth dist.	1788 Nov 20 22:33	0°♋25'30	0.67768 AU	evening set	1789 Oct 31 02:53	20°♊05'46	
inferior conj	1788 Nov 21 09:16	29°♊48'48	0°46'30	min. Earth dist.	1789 Nov 04 17:53	14°♊51'12	0.67416 AU
minimum elong	1788 Nov 21 08:12	29°♊52'29	0°46'03	inferior conj	1789 Nov 05 15:08	13°♊40'46	0°-7'-24
	1788 Nov 21 06:00	30°♊		minimum elong	1789 Nov 05 15:19	13°♊40'09	0°07'20
morning rise	1788 Nov 26 17:28	23°♊39'01		transit begin	1789 Nov 05 12:51	13°♊48'19	
direct	1788 Nov 30 20:23	22°♊04'11		transit end	1789 Nov 05 17:46	13°♊32'00	
morning max el	1788 Dec 09 07:52	27°♊00'06	21°08'20	asc. node	1789 Nov 05 23:44	13°♊12'17	
	1788 Dec 12 01:55	0°♌		morning rise	1789 Nov 11 04:13	7°♊37'08	
greatest brilliancy	1788 Dec 14 16:44	3°♌11'09	-0.5m	direct	1789 Nov 14 18:18	6°♊23'04	
desc. node	1788 Dec 27 13:14	21°♌08'55		morning max el	1789 Nov 22 07:46	10°♊41'59	19°57'21
	1789 Jan 02 10:39	0°♍		greatest brilliancy	1789 Nov 29 15:16	19°♊38'14	-0.6m
morning set	1789 Jan 08 19:19	9°♍50'01			1789 Dec 06 19:58	0°♌	
max. Earth dist.	1789 Jan 16 14:32	22°♍19'16	1.42471 AU	desc. node	1789 Dec 14 10:15	11°♌28'41	
	1789 Jan 21 05:41	0°♎		morning set	1789 Dec 18 15:21	17°♌57'14	
superior conj	1789 Jan 23 18:53	4°♎19'23	-2°-4'-24		1789 Dec 26 08:45	0°♍	
minimum elong	1789 Jan 23 17:56	4°♎15'20	2°04'24	max. Earth dist.	1789 Dec 30 00:23	5°♍47'12	1.44012 AU
evening rise	1789 Feb 04 07:02	24°♎36'44		superior conj	1790 Jan 04 04:34	14°♍07'14	-1°-52'-27
	1789 Feb 07 06:55	0°♏		minimum elong	1790 Jan 03 22:13	13°♍41'26	1°52'02
asc. node	1789 Feb 15 02:00	13°♏16'27			1790 Jan 13 17:52	0°♎	
evening max el	1789 Feb 20 23:33	20°♏55'15	18°07'43	evening rise	1790 Jan 17 11:06	6°♎20'28	
retrograde	1789 Feb 27 15:25	24°♏19'59			1790 Feb 01 00:00	0°♏	
evening set	1789 Mar 02 06:40	23°♏48'03		asc. node	1790 Feb 01 23:04	1°♏15'42	
inferior conj	1789 Mar 08 22:05	18°♏48'51	3°34'04	evening max el	1790 Feb 04 12:06	4°♏10'25	18°13'18
minimum elong	1789 Mar 08 23:57	18°♏44'20	3°33'53	retrograde	1790 Feb 10 23:09	7°♏36'58	
min. Earth dist.	1789 Mar 12 01:55	15°♏47'02	0.61144 AU	evening set	1790 Feb 13 19:22	6°♏54'55	

inferior conj	1790 Feb 19 23:31	1° H 35'31	3°44'14		1791 Jan 06 14:39	0° \approx	
minimum elong	1790 Feb 19 23:24	1° H 35'48	3°44'14	evening max el	1791 Jan 18 23:57	17° \approx 34'39	18°37'16
	1790 Feb 21 10:25	30° \approx		asc. node	1791 Jan 19 20:06	18° \approx 23'35	
min. Earth dist.	1790 Feb 22 14:00	28° \approx 46'03	0.63165 AU	retrograde	1791 Jan 25 14:45	21° \approx 14'45	
morning rise	1790 Feb 26 01:29	25° \approx 32'08		evening set	1791 Jan 28 16:34	20° \approx 21'26	
direct	1790 Mar 05 00:07	22° \approx 50'16		inferior conj	1791 Feb 03 12:37	14° \approx 43'31	3°36'02
desc. node	1790 Mar 12 09:27	25° \approx 22'07		minimum elong	1791 Feb 03 11:02	14° \approx 48'16	3°35'51
	1790 Mar 18 02:44	0° H		min. Earth dist.	1791 Feb 05 11:33	12° \approx 23'04	0.64878 AU
morning max el	1790 Mar 18 21:28	0° H 45'55	27°45'00	morning rise	1791 Feb 09 04:15	8° \approx 33'40	
	1790 Apr 09 08:16	0° Y		direct	1791 Feb 15 22:01	5° \approx 42'56	
morning set	1790 Apr 22 04:27	23° Y 33'27		desc. node	1791 Feb 27 06:30	11° \approx 34'53	
	1790 Apr 25 08:08	0° B		morning max el	1791 Mar 01 06:52	13° \approx 30'38	27°10'49
max. Earth dist.	1790 Apr 27 13:17	4° B 39'21	1.32875 AU		1791 Mar 14 14:57	0° H	
					1791 Apr 01 23:00	0° Y	
superior conj	1790 Apr 29 21:38	9° B 40'49	0°-10'-50	morning set	1791 Apr 05 18:41	7° Y 13'59	
minimum elong	1790 Apr 29 22:09	9° B 43'39	0°10'44	max. Earth dist.	1791 Apr 10 10:25	16° Y 30'32	1.33855 AU
behind sun begin	1790 Apr 29 18:15	9° B 22'35					
behind sun end	1790 Apr 30 02:04	10° B 04'45		superior conj	1791 Apr 14 01:14	24° Y 01'00	0°-38'-36
asc. node	1790 Apr 30 22:20	11° B 54'10		minimum elong	1791 Apr 14 03:10	24° Y 11'11	0°38'13
evening rise	1790 May 06 23:23	24° B 55'05			1791 Apr 16 21:03	0° B	
	1790 May 09 09:56	0° II		asc. node	1791 Apr 17 19:24	1° B 58'48	
	1790 May 28 01:05	0° E		evening rise	1791 Apr 21 10:09	9° B 37'33	
evening max el	1790 May 30 06:15	2° E 17'29	23°25'59		1791 May 02 03:51	0° II	
desc. node	1790 Jun 08 08:41	8° E 19'27		evening max el	1791 May 11 23:58	12° II 52'22	21°51'27
retrograde	1790 Jun 12 20:39	9° E 05'28		retrograde	1791 May 24 13:16	19° II 02'27	
evening set	1790 Jun 16 17:51	8° E 32'23		desc. node	1791 May 26 05:43	18° II 56'02	
min. Earth dist.	1790 Jun 23 16:24	5° E 20'39	0.55848 AU	evening set	1791 May 27 04:45	18° II 46'50	
inferior conj	1790 Jun 25 16:27	4° E 09'21	-4°-17'-24	min. Earth dist.	1791 Jun 05 04:13	14° II 57'04	0.54998 AU
minimum elong	1790 Jun 25 09:42	4° E 19'24	4°16'08	inferior conj	1791 Jun 05 13:46	14° II 43'42	-2°-52'-44
morning rise	1790 Jul 04 04:49	0° E 14'26		minimum elong	1791 Jun 05 06:25	14° II 53'59	2°50'27
	1790 Jul 05 15:14	30° II		morning rise	1791 Jun 14 09:20	10° II 49'55	
direct	1790 Jul 06 23:26	29° II 55'29		direct	1791 Jun 17 12:10	10° II 28'27	
	1790 Jul 08 07:13	0° E		morning max el	1791 Jun 29 13:59	16° II 08'41	21°42'47
morning max el	1790 Jul 17 10:27	4° E 46'11	20°16'08		1791 Jul 10 06:14	0° E	
asc. node	1790 Jul 27 21:32	18° E 53'15		asc. node	1791 Jul 14 18:36	8° E 00'25	
	1790 Aug 02 19:38	0° O		morning set	1791 Jul 20 05:54	18° E 55'41	
morning set	1790 Aug 04 20:48	4° O 07'56			1791 Jul 25 12:07	0° O	
superior conj	1790 Aug 12 13:58	19° O 55'42	1°45'39	superior conj	1791 Jul 27 13:47	4° O 20'53	1°40'21
minimum elong	1790 Aug 12 13:36	19° O 53'52	1°45'39	minimum elong	1791 Jul 27 12:11	4° O 12'32	1°40'16
	1790 Aug 17 16:30	0° M		max. Earth dist.	1791 Jul 31 08:14	12° O 06'37	1.34877 AU
max. Earth dist.	1790 Aug 17 19:05	0° M 12'25	1.36515 AU	evening rise	1791 Aug 04 20:08	20° O 58'40	
evening rise	1790 Aug 21 18:23	7° M 39'16			1791 Aug 09 16:45	0° M	
	1790 Sep 03 23:50	0° A		desc. node	1791 Aug 22 05:02	20° M 33'48	
desc. node	1790 Sep 04 08:01	0° A 31'41			1791 Aug 28 21:07	0° A	
evening max el	1790 Sep 26 11:35	29° A 19'48	25°56'19	evening max el	1791 Sep 08 23:56	12° A 55'32	26°50'29
	1790 Sep 27 04:24	0° M		retrograde	1791 Sep 22 02:07	20° A 11'05	
retrograde	1790 Oct 08 22:37	6° M 25'20		evening set	1791 Sep 28 18:42	17° A 29'27	
evening set	1790 Oct 15 02:09	3° M 52'27		min. Earth dist.	1791 Oct 02 18:47	13° A 27'49	0.65707 AU
	1790 Oct 18 18:26	30° A		inferior conj	1791 Oct 04 14:58	11° A 18'44	-2°-2'-30
min. Earth dist.	1790 Oct 19 09:27	29° A 13'44	0.66734 AU	minimum elong	1791 Oct 04 18:14	11° A 09'12	2°01'15
inferior conj	1790 Oct 20 17:43	27° A 32'18	-1°-4'-16	morning rise	1791 Oct 10 19:11	5° A 36'17	
minimum elong	1790 Oct 20 19:24	27° A 27'01	1°03'35	asc. node	1791 Oct 10 17:48	5° A 38'03	
asc. node	1790 Oct 23 20:45	23° A 51'48		direct	1791 Oct 13 14:07	4° A 53'17	
morning rise	1790 Oct 26 13:32	21° A 37'38		morning max el	1791 Oct 20 03:52	8° A 28'04	18°20'45
direct	1790 Oct 29 16:54	20° A 40'58			1791 Nov 04 02:17	0° M	
morning max el	1790 Nov 05 15:03	24° A 32'58	19°00'59	morning set	1791 Nov 08 09:31	6° M 58'39	
	1790 Nov 10 05:15	0° M		desc. node	1791 Nov 18 04:21	22° M 42'16	
morning set	1790 Nov 27 22:47	26° M 46'11			1791 Nov 22 18:55	0° A	
	1790 Nov 30 00:18	0° A					
desc. node	1790 Dec 01 07:18	2° A 01'22		superior conj	1791 Nov 23 16:00	1° A 23'07	0°-36'-6
max. Earth dist.	1790 Dec 12 16:21	19° A 51'44	1.44931 AU	minimum elong	1791 Nov 23 11:20	1° A 04'40	0°35'30
				max. Earth dist.	1791 Nov 25 11:30	4° A 14'12	1.45119 AU
superior conj	1790 Dec 14 14:43	22° A 54'29	-1°-21'-30	evening rise	1791 Dec 09 23:52	26° A 58'58	
minimum elong	1790 Dec 14 05:59	22° A 20'00	1°20'35		1791 Dec 11 22:03	0° E	
	1790 Dec 19 02:07	0° E		greatest brilliancy	1791 Dec 24 02:03	18° E 49'53	-0.7m
evening rise	1790 Dec 29 17:09	17° E 07'39			1792 Jan 01 09:14	0° \approx	

evening max el	1792 Jan 02 08:44	1°≈03'03	19°18'28			1792 Nov 14 13:00	0°♁		
asc. node	1792 Jan 06 17:07	4°≈26'14			evening rise	1792 Nov 18 12:33	6°♁09'26		
retrograde	1792 Jan 09 10:53	5°≈07'06				1792 Dec 04 08:03	0°♁		
evening set	1792 Jan 12 19:26	4°≈01'17			greatest brilliancy	1792 Dec 09 01:19	6°♁39'04	-0.6m	
	1792 Jan 16 22:16	30°♁			evening max el	1792 Dec 15 12:40	14°♁32'19	20°15'02	
inferior conj	1792 Jan 18 10:00	28°♁07'05	3°14'17		retrograde	1792 Dec 23 08:44	19°♁08'42		
minimum elong	1792 Jan 18 07:35	28°♁14'52	3°13'48		asc. node	1792 Dec 23 14:08	19°♁08'25		
min. Earth dist.	1792 Jan 19 17:52	26°♁24'32	0.66192 AU		evening set	1792 Dec 27 01:38	17°♁48'56		
morning rise	1792 Jan 23 18:56	21°♁53'35			inferior conj	1793 Jan 01 12:52	11°♁41'26	2°42'15	
direct	1792 Jan 30 01:59	19°♁07'35			minimum elong	1793 Jan 01 10:13	11°♁50'21	2°41'30	
morning max el	1792 Feb 11 16:27	26°♁35'16	26°09'10		min. Earth dist.	1793 Jan 02 07:13	10°♁39'29	0.67102 AU	
desc. node	1792 Feb 14 03:34	29°♁11'47			morning rise	1793 Jan 06 18:17	5°♁26'10		
	1792 Feb 14 20:47	0°≈			direct	1793 Jan 12 11:21	2°♁54'54		
	1792 Mar 07 05:21	0°♁			morning max el	1793 Jan 24 01:08	9°♁49'06	24°49'12	
morning set	1792 Mar 18 19:56	20°♁12'05			desc. node	1793 Jan 31 00:35	17°♁47'50		
max. Earth dist.	1792 Mar 22 20:17	27°♁50'20	1.35292 AU			1793 Feb 09 00:52	0°≈		
	1792 Mar 23 22:49	0°♁				1793 Feb 27 20:54	0°♁		
					morning set	1793 Mar 01 02:55	2°♁12'06		
superior conj	1792 Mar 27 21:49	7°♁55'37	-1°-6'-7		max. Earth dist.	1793 Mar 04 19:43	8°♁52'50	1.37144 AU	
minimum elong	1792 Mar 28 01:06	8°♁12'22	1°05'33						
asc. node	1792 Apr 03 16:27	21°♁54'52			superior conj	1793 Mar 11 08:12	21°♁15'15	-1°-31'-27	
evening rise	1792 Apr 04 17:53	24°♁05'49			minimum elong	1793 Mar 11 12:22	21°♁35'38	1°30'56	
	1792 Apr 07 15:55	0°♁				1793 Mar 15 18:08	0°♁		
evening max el	1792 Apr 23 03:32	23°♁55'34	20°28'28		evening rise	1793 Mar 19 20:12	8°♁11'57		
retrograde	1792 May 04 02:28	29°♁14'18			asc. node	1793 Mar 21 13:28	11°♁36'57		
evening set	1792 May 06 04:27	29°♁03'35				1793 Apr 01 01:40	0°♁		
desc. node	1792 May 12 02:44	26°♁54'01			evening max el	1793 Apr 05 18:44	5°♁37'29	19°23'24	
inferior conj	1792 May 15 08:18	25°♁05'49	0°-56'-28		retrograde	1793 Apr 15 00:53	10°♁05'52		
minimum elong	1792 May 15 05:38	25°♁09'41	0°55'30		evening set	1793 Apr 17 02:37	9°♁53'23		
min. Earth dist.	1792 May 16 16:55	24°♁18'30	0.55085 AU		inferior conj	1793 Apr 25 14:16	5°♁46'03	0°57'51	
morning rise	1792 May 24 05:10	20°♁53'48			minimum elong	1793 Apr 25 16:36	5°♁42'13	0°57'03	
direct	1792 May 27 22:55	20°♁23'38			min. Earth dist.	1793 Apr 28 07:34	3°♁59'41	0.56097 AU	
morning max el	1792 Jun 10 08:25	26°♁53'51	23°22'24		desc. node	1793 Apr 28 23:47	3°♁34'22		
	1792 Jun 13 08:36	0°♁			morning rise	1793 May 04 02:41	1°♁01'11		
asc. node	1792 Jun 30 15:41	27°♁32'20			direct	1793 May 08 19:30	0°♁10'50		
	1792 Jul 01 20:47	0°♁			morning max el	1793 May 22 22:59	7°♁21'20	25°03'08	
morning set	1792 Jul 03 17:14	3°♁50'50				1793 Jun 08 12:58	0°♁		
					asc. node	1793 Jun 17 12:44	17°♁21'24		
superior conj	1792 Jul 10 19:45	19°♁04'35	1°29'13		morning set	1793 Jun 18 05:06	18°♁47'21		
minimum elong	1792 Jul 10 17:29	18°♁52'25	1°28'58			1793 Jun 23 09:47	0°♁		
max. Earth dist.	1792 Jul 13 06:39	24°♁18'15	1.33621 AU						
	1792 Jul 16 00:15	0°♁			superior conj	1793 Jun 25 05:29	3°♁58'39	1°13'18	
evening rise	1792 Jul 18 10:44	4°♁55'51			minimum elong	1793 Jun 25 03:04	3°♁45'32	1°12'56	
	1792 Aug 01 09:17	0°♁			max. Earth dist.	1793 Jun 26 12:52	6°♁49'32	1.32760 AU	
desc. node	1792 Aug 08 02:02	10°♁07'38			evening rise	1793 Jul 02 10:27	19°♁19'37		
evening max el	1792 Aug 21 11:38	26°♁16'05	27°21'12			1793 Jul 07 20:19	0°♁		
	1792 Aug 25 21:56	0°♁			desc. node	1793 Jul 25 23:03	29°♁01'28		
retrograde	1792 Sep 03 23:48	3°♁34'19				1793 Jul 26 17:09	0°♁		
evening set	1792 Sep 11 01:51	0°♁52'24			evening max el	1793 Aug 03 20:43	9°♁09'00	27°22'33	
	1792 Sep 12 03:39	30°♁			retrograde	1793 Aug 17 15:21	16°♁26'01		
min. Earth dist.	1792 Sep 14 19:34	27°♁26'44	0.64323 AU		evening set	1793 Aug 24 20:14	13°♁55'47		
inferior conj	1792 Sep 17 04:32	24°♁55'11	-2°-59'-45		min. Earth dist.	1793 Aug 28 10:20	11°♁00'05	0.62595 AU	
minimum elong	1792 Sep 17 09:10	24°♁42'48	2°58'12		inferior conj	1793 Aug 31 07:34	8°♁15'27	-3°-52'-21	
morning rise	1792 Sep 23 18:29	19°♁28'24			minimum elong	1793 Aug 31 12:52	8°♁02'49	3°50'59	
direct	1792 Sep 26 07:27	18°♁55'28			morning rise	1793 Sep 07 08:09	3°♁07'37		
asc. node	1792 Sep 26 14:52	18°♁55'57			direct	1793 Sep 09 17:45	2°♁41'31		
morning max el	1792 Oct 02 19:39	22°♁21'53	17°57'31		asc. node	1793 Sep 13 11:55	3°♁47'07		
	1792 Oct 08 18:23	0°♁			morning max el	1793 Sep 16 11:30	6°♁08'03	17°52'09	
morning set	1792 Oct 20 00:19	18°♁32'52				1793 Oct 01 21:33	0°♁		
	1792 Oct 26 19:33	0°♁			morning set	1793 Oct 02 13:40	1°♁11'51		
superior conj	1792 Nov 02 06:00	10°♁33'12	0°12'10		superior conj	1793 Oct 13 21:46	21°♁00'20	0°52'50	
minimum elong	1792 Nov 02 07:24	10°♁38'52	0°11'58		minimum elong	1793 Oct 14 02:10	21°♁19'00	0°52'15	
behind sun begin	1792 Nov 02 00:26	10°♁10'41				1793 Oct 19 07:30	0°♁		
behind sun end	1792 Nov 02 14:22	11°♁07'01			max. Earth dist.	1793 Oct 20 21:13	2°♁33'31	1.43352 AU	
desc. node	1792 Nov 04 01:21	13°♁27'48			desc. node	1793 Oct 21 22:21	4°♁15'05		
max. Earth dist.	1792 Nov 07 06:10	18°♁34'18	1.44566 AU		evening rise	1793 Oct 28 21:17	15°♁15'10		

	1793 Nov 07 13:57	0°♁		desc. node	1794 Oct 08 19:22	25°♁00'28	
greatest brilliancy	1793 Nov 23 10:06	22°♁14'05	-0.4m		1794 Oct 11 22:45	0°♁	
evening max el	1793 Nov 28 10:57	28°♁02'24	21°24'06		1794 Nov 01 11:51	0°♁	
	1793 Nov 30 12:32	0°♁		greatest brilliancy	1794 Nov 06 05:54	6°♁03'15	-0.3m
retrograde	1793 Dec 07 06:13	3°♁16'27		evening max el	1794 Nov 11 04:03	11°♁34'08	22°41'29
asc. node	1793 Dec 10 11:10	2°♁19'27		retrograde	1794 Nov 21 01:29	17°♁26'45	
evening set	1793 Dec 11 09:19	1°♁41'12		evening set	1794 Nov 25 16:45	15°♁34'43	
	1793 Dec 13 04:34	30°♁		asc. node	1794 Nov 27 08:12	14°♁00'21	
inferior conj	1793 Dec 16 18:59	25°♁23'50	2°02'10	inferior conj	1794 Dec 01 02:24	9°♁11'19	1°15'39
minimum elong	1793 Dec 16 16:37	25°♁32'00	2°01'21	minimum elong	1794 Dec 01 00:44	9°♁17'02	1°15'00
min. Earth dist.	1793 Dec 17 01:22	25°♁01'48	0.67634 AU	min. Earth dist.	1794 Nov 30 21:50	9°♁27'04	0.67816 AU
morning rise	1793 Dec 21 23:37	19°♁08'52		morning rise	1794 Dec 06 08:38	2°♁58'50	
direct	1793 Dec 27 01:35	16°♁58'04		direct	1794 Dec 10 19:44	1°♁10'48	
morning max el	1794 Jan 06 10:04	23°♁07'45	23°21'09	morning max el	1794 Dec 19 22:30	6°♁32'16	21°54'29
greatest brilliancy	1794 Jan 11 19:36	29°♁12'21	-0.2m	greatest brilliancy	1794 Dec 24 16:27	11°♁53'34	-0.4m
	1794 Jan 12 11:04	0°♁		desc. node	1795 Jan 04 18:37	26°♁54'32	
desc. node	1794 Jan 17 21:36	7°♁06'13			1795 Jan 06 21:38	0°♁	
	1794 Feb 02 10:11	0°♁		morning set	1795 Jan 21 10:48	22°♁19'08	
morning set	1794 Feb 10 09:26	12°♁58'01			1795 Jan 26 04:05	0°♁	
max. Earth dist.	1794 Feb 14 14:25	20°♁10'12	1.39257 AU	max. Earth dist.	1795 Jan 27 12:26	2°♁14'15	1.41371 AU
	1794 Feb 20 02:32	0°♁					
				superior conj	1795 Feb 04 05:43	15°♁28'24	-2°-3'-33
superior conj	1794 Feb 22 04:29	3°♁50'16	-1°-51'-53	minimum elong	1795 Feb 04 07:17	15°♁35'18	2°03'32
minimum elong	1794 Feb 22 08:23	4°♁08'26	1°51'36		1795 Feb 12 06:38	0°♁	
evening rise	1794 Mar 03 14:24	21°♁48'57		evening rise	1795 Feb 14 21:01	4°♁48'21	
	1794 Mar 07 21:33	0°♁		asc. node	1795 Feb 23 07:32	19°♁57'16	
asc. node	1794 Mar 08 10:29	0°♁59'58			1795 Mar 02 10:38	0°♁	
evening max el	1794 Mar 19 19:59	17°♁56'42	18°38'18	evening max el	1795 Mar 03 04:08	0°♁44'46	18°13'18
retrograde	1794 Mar 27 16:44	21°♁47'14		retrograde	1795 Mar 10 03:06	4°♁14'08	
evening set	1794 Mar 29 23:36	21°♁28'54		evening set	1795 Mar 12 15:34	3°♁47'27	
inferior conj	1794 Apr 06 16:11	17°♁03'26	2°24'33		1795 Mar 18 12:03	30°♁	
minimum elong	1794 Apr 06 20:14	16°♁55'41	2°23'28	inferior conj	1795 Mar 19 15:08	29°♁00'38	3°17'20
min. Earth dist.	1794 Apr 10 01:20	14°♁29'47	0.57824 AU	minimum elong	1795 Mar 19 18:08	28°♁53'56	3°16'50
morning rise	1794 Apr 14 12:32	11°♁45'38		min. Earth dist.	1795 Mar 23 00:08	26°♁01'54	0.59914 AU
desc. node	1794 Apr 15 20:49	11°♁11'44		morning rise	1795 Mar 26 17:12	23°♁18'41	
direct	1794 Apr 20 06:33	10°♁22'47		direct	1795 Apr 02 06:11	21°♁19'14	
morning max el	1794 May 04 15:26	17°♁58'32	26°29'23	desc. node	1795 Apr 02 17:50	21°♁19'53	
	1794 May 14 15:40	0°♁		morning max el	1795 Apr 16 13:26	29°♁08'03	27°27'27
	1794 May 31 21:34	0°♁			1795 Apr 17 10:07	0°♁	
morning set	1794 Jun 02 15:52	3°♁39'39			1795 May 08 11:44	0°♁	
asc. node	1794 Jun 04 09:46	7°♁22'04		morning set	1795 May 17 23:53	18°♁22'12	
				asc. node	1795 May 22 06:49	27°♁29'46	
superior conj	1794 Jun 09 17:02	18°♁56'21	0°53'27		1795 May 23 10:24	0°♁	
minimum elong	1794 Jun 09 14:58	18°♁44'58	0°53'03	max. Earth dist.	1795 May 24 12:09	2°♁21'06	1.32210 AU
max. Earth dist.	1794 Jun 09 23:52	19°♁33'55	1.32293 AU				
	1794 Jun 14 18:54	0°♁		superior conj	1795 May 25 04:41	3°♁51'52	0°30'22
evening rise	1794 Jun 16 16:25	4°♁00'48		minimum elong	1795 May 25 03:22	3°♁44'38	0°30'05
	1794 Jun 30 14:56	0°♁		evening rise	1795 Jun 01 02:16	18°♁51'49	
desc. node	1794 Jul 12 20:05	16°♁58'14			1795 Jun 06 13:51	0°♁	
evening max el	1794 Jul 17 00:47	21°♁22'24	26°50'59		1795 Jun 26 03:47	0°♁	
retrograde	1794 Jul 30 23:32	28°♁36'20		evening max el	1795 Jun 28 22:05	2°♁50'10	25°47'44
evening set	1794 Aug 06 21:22	26°♁31'42		desc. node	1795 Jun 29 17:07	3°♁34'32	
min. Earth dist.	1794 Aug 10 14:51	23°♁53'30	0.60612 AU	retrograde	1795 Jul 12 22:29	9°♁59'36	
inferior conj	1794 Aug 13 20:44	21°♁10'50	-4°-34'-20	evening set	1795 Jul 19 00:38	8°♁31'22	
minimum elong	1794 Aug 14 01:09	21°♁01'34	4°33'40	min. Earth dist.	1795 Jul 23 10:28	5°♁53'22	0.58555 AU
morning rise	1794 Aug 21 08:06	16°♁24'37		inferior conj	1795 Jul 26 16:31	3°♁32'02	-4°-56'-10
direct	1794 Aug 23 17:13	16°♁02'39		minimum elong	1795 Jul 26 17:38	3°♁29'59	4°56'09
morning max el	1794 Aug 31 00:16	19°♁38'02	18°05'44		1795 Aug 01 06:43	30°♁	
asc. node	1794 Aug 31 08:58	19°♁59'34		morning rise	1795 Aug 03 14:11	29°♁08'47	
	1794 Sep 07 16:06	0°♁		direct	1795 Aug 06 01:40	28°♁48'54	
morning set	1794 Sep 15 19:31	14°♁38'05			1795 Aug 10 14:29	0°♁	
	1794 Sep 24 03:11	0°♁		morning max el	1795 Aug 14 06:47	2°♁43'19	18°39'37
				asc. node	1795 Aug 18 06:01	7°♁18'23	
superior conj	1794 Sep 25 15:54	2°♁44'45	1°21'37	morning set	1795 Aug 30 13:03	28°♁38'54	
minimum elong	1794 Sep 25 20:06	3°♁03'29	1°21'11		1795 Aug 31 05:45	0°♁	
max. Earth dist.	1794 Oct 03 06:56	15°♁56'53	1.41639 AU				
evening rise	1794 Oct 08 19:00	24°♁59'00		superior conj	1795 Sep 08 07:37	15°♁33'31	1°38'36

minimum elong	1795 Sep 08 10:07	15° \mathbb{M} 45'15	1°38'26	superior conj	1796 Aug 21 15:16	29° Ω 09'56	1°45'30
max. Earth dist.	1795 Sep 15 12:20	28° \mathbb{M} 39'21	1.39643 AU	minimum elong	1796 Aug 21 15:52	29° Ω 12'50	1°45'30
	1795 Sep 16 06:45	0° \mathbb{L}			1796 Aug 22 01:27	0° \mathbb{M}	
evening rise	1795 Sep 19 15:40	5° \mathbb{L} 47'10		max. Earth dist.	1796 Aug 27 16:26	10° \mathbb{M} 45'18	1.37610 AU
desc. node	1795 Sep 25 16:25	15° \mathbb{L} 40'37		evening rise	1796 Aug 31 12:00	17° \mathbb{M} 41'30	
	1795 Oct 05 01:29	0° \mathbb{M}			1796 Sep 07 16:59	0° \mathbb{L}	
evening max el	1795 Oct 24 17:39	25° \mathbb{M} 09'46	24°01'28	desc. node	1796 Sep 11 13:28	6° \mathbb{L} 10'42	
	1795 Oct 30 16:06	0° \mathbb{M}			1796 Sep 28 09:35	0° \mathbb{M}	
retrograde	1795 Nov 04 17:21	1° \mathbb{M} 37'02		evening max el	1796 Oct 06 05:39	8° \mathbb{M} 48'34	25°17'21
	1795 Nov 09 05:58	30° \mathbb{M}		retrograde	1796 Oct 18 04:58	15° \mathbb{M} 43'01	
evening set	1795 Nov 09 22:22	29° \mathbb{M} 27'41		evening set	1796 Oct 24 00:30	13° \mathbb{M} 17'33	
asc. node	1795 Nov 14 05:15	24° \mathbb{M} 36'54		min. Earth dist.	1796 Oct 28 12:08	8° \mathbb{M} 18'17	0.67175 AU
min. Earth dist.	1795 Nov 14 18:13	23° \mathbb{M} 53'21	0.67665 AU	inferior conj	1796 Oct 29 14:01	6° \mathbb{M} 54'16	0°-31'-14
inferior conj	1795 Nov 15 09:19	23° \mathbb{M} 02'14	0°24'05	minimum elong	1796 Oct 29 14:49	6° \mathbb{M} 51'40	0°30'55
minimum elong	1795 Nov 15 08:45	23° \mathbb{M} 04'11	0°23'51	asc. node	1796 Oct 31 02:17	4° \mathbb{M} 58'41	
morning rise	1795 Nov 20 19:21	16° \mathbb{M} 54'44		morning rise	1796 Nov 04 05:47	0° \mathbb{M} 54'20	
direct	1795 Nov 24 16:42	15° \mathbb{M} 28'51			1796 Nov 06 04:27	30° \mathbb{L}	
morning max el	1795 Dec 02 17:47	20° \mathbb{M} 07'23	20°36'26	direct	1796 Nov 07 15:05	29° \mathbb{L} 48'07	
greatest brilliancy	1795 Dec 08 19:11	27° \mathbb{M} 15'29	-0.5m		1796 Nov 09 02:31	0° \mathbb{M}	
	1795 Dec 10 20:28	0° \mathbb{M}		morning max el	1796 Nov 14 21:03	3° \mathbb{M} 53'53	19°31'29
desc. node	1795 Dec 22 15:39	17° \mathbb{M} 04'40		greatest brilliancy	1796 Nov 23 11:48	14° \mathbb{M} 47'29	-0.7m
	1795 Dec 31 02:46	0° \mathbb{L}			1796 Dec 03 15:40	0° \mathbb{M}	
morning set	1795 Dec 31 12:01	0° \mathbb{L} 35'51		desc. node	1796 Dec 08 12:42	7° \mathbb{M} 30'42	
max. Earth dist.	1796 Jan 09 18:30	15° \mathbb{L} 16'15	1.43197 AU	morning set	1796 Dec 09 09:59	8° \mathbb{M} 53'03	
				max. Earth dist.	1796 Dec 22 07:50	29° \mathbb{M} 04'06	1.44488 AU
superior conj	1796 Jan 16 06:42	25° \mathbb{L} 57'48	-2°-1'-36		1796 Dec 22 21:56	0° \mathbb{L}	
minimum elong	1796 Jan 16 03:28	25° \mathbb{L} 44'18	2°01'30				
	1796 Jan 18 16:17	0° \mathbb{M}		superior conj	1796 Dec 26 05:22	5° \mathbb{L} 16'32	-1°-41'-33
evening rise	1796 Jan 28 12:00	17° \mathbb{M} 01'51		minimum elong	1796 Dec 25 21:17	4° \mathbb{L} 44'10	1°40'54
	1796 Feb 04 22:19	0° \mathbb{M}		evening rise	1797 Jan 09 07:09	28° \mathbb{L} 22'28	
asc. node	1796 Feb 10 04:34	8° \mathbb{M} 20'26			1797 Jan 10 06:24	0° \mathbb{M}	
evening max el	1796 Feb 14 15:56	13° \mathbb{M} 52'04	18°07'51	asc. node	1797 Jan 27 01:37	25° \mathbb{M} 59'26	
retrograde	1796 Feb 21 04:26	17° \mathbb{M} 15'49		evening max el	1797 Jan 28 04:27	27° \mathbb{M} 11'32	18°21'17
evening set	1796 Feb 23 21:55	16° \mathbb{M} 39'31			1797 Jan 31 20:15	0° \mathbb{M}	
inferior conj	1796 Mar 01 08:03	11° \mathbb{M} 31'22	3°41'02	retrograde	1797 Feb 03 16:09	0° \mathbb{M} 42'45	
minimum elong	1796 Mar 01 09:03	11° \mathbb{M} 28'49	3°40'58		1797 Feb 06 11:30	30° \mathbb{M}	
min. Earth dist.	1796 Mar 04 06:39	8° \mathbb{M} 32'35	0.62030 AU	evening set	1797 Feb 06 14:38	29° \mathbb{M} 56'00	
morning rise	1796 Mar 07 17:47	5° \mathbb{M} 33'57		inferior conj	1797 Feb 12 14:56	24° \mathbb{M} 28'11	3°42'42
direct	1796 Mar 14 15:37	3° \mathbb{M} 04'20		minimum elong	1797 Feb 12 14:07	24° \mathbb{M} 30'29	3°42'39
desc. node	1796 Mar 19 14:52	4° \mathbb{M} 13'03		min. Earth dist.	1797 Feb 14 22:45	21° \mathbb{M} 49'42	0.63930 AU
morning max el	1796 Mar 28 17:40	10° \mathbb{M} 58'57	27°49'28	morning rise	1797 Feb 18 12:00	18° \mathbb{M} 21'29	
	1796 Apr 12 15:45	0° \mathbb{M}		direct	1797 Feb 25 09:16	15° \mathbb{M} 34'22	
	1796 Apr 29 17:53	0° \mathbb{L}		desc. node	1797 Mar 06 11:54	19° \mathbb{M} 23'22	
morning set	1796 May 01 03:03	2° \mathbb{L} 47'15		morning max el	1797 Mar 11 02:12	23° \mathbb{M} 27'58	27°34'32
max. Earth dist.	1796 May 06 21:48	14° \mathbb{L} 56'39	1.32517 AU		1797 Mar 16 22:29	0° \mathbb{M}	
asc. node	1796 May 08 03:51	17° \mathbb{L} 39'25			1797 Apr 05 22:49	0° \mathbb{M}	
				morning set	1797 Apr 14 22:55	16° \mathbb{M} 46'59	
superior conj	1796 May 08 14:39	18° \mathbb{L} 38'10	0°04'46	max. Earth dist.	1797 Apr 20 00:41	27° \mathbb{M} 07'21	1.33236 AU
minimum elong	1796 May 08 14:26	18° \mathbb{L} 36'56	0°04'43		1797 Apr 21 09:30	0° \mathbb{L}	
behind sun begin	1796 May 08 09:30	18° \mathbb{L} 10'05					
behind sun end	1796 May 08 19:22	19° \mathbb{L} 03'48		superior conj	1797 Apr 22 21:09	3° \mathbb{L} 09'31	0°-22'-32
	1796 May 13 19:57	0° \mathbb{L}		minimum elong	1797 Apr 22 22:16	3° \mathbb{L} 15'29	0°22'18
evening rise	1796 May 15 13:55	3° \mathbb{L} 44'25		asc. node	1797 Apr 25 00:55	7° \mathbb{L} 47'06	
	1796 May 29 17:30	0° \mathbb{L}		evening rise	1797 Apr 30 01:32	18° \mathbb{L} 32'18	
evening max el	1796 Jun 09 13:11	13° \mathbb{L} 36'27	24°20'57		1797 May 05 17:32	0° \mathbb{L}	
desc. node	1796 Jun 15 14:10	18° \mathbb{L} 17'42		evening max el	1797 May 22 03:31	24° \mathbb{L} 05'29	22°44'57
retrograde	1796 Jun 23 09:57	20° \mathbb{L} 36'15			1797 May 31 04:31	0° \mathbb{L}	
evening set	1796 Jun 28 04:19	19° \mathbb{L} 45'34		desc. node	1797 Jun 02 11:10	0° \mathbb{L} 32'00	
min. Earth dist.	1796 Jul 04 00:06	16° \mathbb{L} 50'22	0.56700 AU	retrograde	1797 Jun 04 09:14	0° \mathbb{L} 40'24	
inferior conj	1796 Jul 06 16:12	15° \mathbb{L} 09'15	-4°-44'-31	evening set	1797 Jun 07 16:22	0° \mathbb{L} 16'30	
minimum elong	1796 Jul 06 12:05	15° \mathbb{L} 15'48	4°44'05		1797 Jun 08 16:49	30° \mathbb{L}	
morning rise	1796 Jul 14 23:29	11° \mathbb{L} 06'45		min. Earth dist.	1797 Jun 15 11:48	26° \mathbb{L} 50'18	0.55384 AU
direct	1796 Jul 17 15:15	10° \mathbb{L} 47'45		inferior conj	1797 Jun 16 21:03	26° \mathbb{L} 02'39	-3°-46'-59
morning max el	1796 Jul 27 04:03	15° \mathbb{L} 13'28	19°34'50	minimum elong	1797 Jun 16 13:17	26° \mathbb{L} 13'47	3°45'05
asc. node	1796 Aug 04 03:05	25° \mathbb{L} 28'13		morning rise	1797 Jun 25 12:57	22° \mathbb{L} 10'49	
	1796 Aug 06 19:09	0° \mathbb{L}		direct	1797 Jun 28 10:25	21° \mathbb{L} 51'23	
morning set	1796 Aug 13 14:38	13° \mathbb{L} 03'23		morning max el	1797 Jul 09 14:11	27° \mathbb{L} 01'48	20°50'53

	1797 Jul 12 10:46	0°☿			1798 Jul 06 23:49	0°☿	
asc. node	1797 Jul 22 00:08	14°☿17'21		asc. node	1798 Jul 08 21:12	3°☿36'08	
morning set	1797 Jul 28 21:35	27°☿44'24		morning set	1798 Jul 13 07:50	12°☿36'11	
	1797 Jul 29 23:52	0°♁					
superior conj	1797 Aug 05 10:15	13°♁20'49	1°44'12	superior conj	1798 Jul 20 13:01	27°☿55'32	1°36'18
minimum elong	1797 Aug 05 09:17	13°♁15'55	1°44'10	minimum elong	1798 Jul 20 11:04	27°☿45'13	1°36'08
max. Earth dist.	1797 Aug 10 00:35	22°♁35'16	1.35776 AU	max. Earth dist.	1798 Jul 23 17:23	4°♁34'55	1.34288 AU
	1797 Aug 13 21:12	0°♁		evening rise	1798 Jul 28 12:05	14°♁11'01	
evening rise	1797 Aug 14 04:21	0°♁33'27			1798 Aug 06 02:37	0°♁	
desc. node	1797 Aug 29 10:30	26°♁25'07		desc. node	1798 Aug 16 07:30	16°♁16'56	
	1797 Aug 31 19:43	0°♁			1798 Aug 26 15:48	0°♁	
evening max el	1797 Sep 18 17:34	22°♁27'00	26°21'41	evening max el	1798 Sep 01 05:46	5°♁58'14	27°06'48
retrograde	1797 Oct 01 11:46	29°♁38'30		retrograde	1798 Sep 14 13:08	13°♁16'27	
evening set	1797 Oct 07 21:13	27°♁00'43		evening set	1798 Sep 21 10:10	10°♁33'25	
min. Earth dist.	1797 Oct 12 01:15	22°♁37'59	0.66341 AU	min. Earth dist.	1798 Sep 25 07:19	6°♁47'19	0.65159 AU
inferior conj	1797 Oct 13 14:35	20°♁43'57	-1°-28'-57	inferior conj	1798 Sep 27 08:54	4°♁27'38	-2°-27'-6
minimum elong	1797 Oct 13 16:56	20°♁36'45	1°28'00	minimum elong	1798 Sep 27 12:48	4°♁16'39	2°25'40
asc. node	1797 Oct 17 23:20	16°♁01'35			1798 Oct 01 20:53	30°♁	
morning rise	1797 Oct 19 13:49	14°♁54'22		morning rise	1798 Oct 03 17:08	28°♁51'24	
direct	1797 Oct 22 13:13	14°♁04'09		asc. node	1798 Oct 04 20:22	28°♁25'53	
morning max el	1797 Oct 29 07:04	17°♁47'44	18°41'50	direct	1798 Oct 06 09:05	28°♁13'15	
	1797 Nov 07 12:47	0°♁			1798 Oct 10 22:24	0°♁	
morning set	1797 Nov 19 04:02	18°♁15'12		morning max el	1798 Oct 12 21:32	1°♁43'49	18°08'40
desc. node	1797 Nov 25 09:45	28°♁07'25		morning set	1798 Oct 31 03:15	29°♁04'35	
	1797 Nov 26 14:18	0°♁			1798 Oct 31 16:40	0°♁	
max. Earth dist.	1797 Dec 05 01:21	13°♁17'53	1.45097 AU	desc. node	1798 Nov 12 06:48	18°♁51'08	
superior conj	1797 Dec 05 09:11	13°♁48'39	-1°-3'-24	superior conj	1798 Nov 14 13:34	22°♁29'18	0°-15'-15
minimum elong	1797 Dec 05 01:29	13°♁18'23	1°02'29	minimum elong	1798 Nov 14 11:38	22°♁21'36	0°15'00
	1797 Dec 15 15:27	0°♁		behind sun begin	1798 Nov 14 07:27	22°♁04'59	
evening rise	1797 Dec 21 03:09	8°♁45'12		behind sun end	1798 Nov 14 15:49	22°♁38'14	
	1798 Jan 03 13:25	0°♁		max. Earth dist.	1798 Nov 17 20:12	27°♁40'09	1.44972 AU
evening max el	1798 Jan 11 15:09	10°♁37'25	18°52'45		1798 Nov 19 07:45	0°♁	
asc. node	1798 Jan 13 22:39	12°♁41'14		evening rise	1798 Dec 01 01:01	18°♁16'04	
retrograde	1798 Jan 18 10:06	14°♁27'00			1798 Dec 08 15:11	0°♁	
evening set	1798 Jan 21 14:30	13°♁28'41		greatest brilliancy	1798 Dec 18 02:58	14°♁13'15	-0.6m
inferior conj	1798 Jan 27 07:55	7°♁43'30	3°28'13	evening max el	1798 Dec 25 22:03	24°♁06'40	19°40'48
minimum elong	1798 Jan 27 05:55	7°♁49'45	3°27'55	asc. node	1798 Dec 31 19:39	28°♁11'29	
min. Earth dist.	1798 Jan 29 00:20	5°♁38'17	0.65482 AU	retrograde	1799 Jan 02 07:12	28°♁23'35	
morning rise	1798 Feb 01 20:15	1°♁31'31		evening set	1799 Jan 05 19:01	27°♁12'13	
	1798 Feb 03 21:52	30°♁		inferior conj	1799 Jan 11 07:57	21°♁12'12	3°01'45
direct	1798 Feb 08 09:53	28°♁41'13		minimum elong	1799 Jan 11 05:22	21°♁20'43	3°01'09
	1798 Feb 13 08:04	0°♁		min. Earth dist.	1799 Jan 12 09:58	19°♁46'31	0.66634 AU
morning max el	1798 Feb 21 12:03	6°♁22'59	26°47'27	morning rise	1799 Jan 16 15:01	14°♁57'37	
desc. node	1798 Feb 21 08:56	6°♁15'09		direct	1799 Jan 22 16:29	12°♁16'34	
	1798 Mar 11 17:02	0°♁		morning max el	1799 Feb 03 21:06	19°♁31'59	25°36'35
	1798 Mar 29 05:51	0°♁		desc. node	1799 Feb 08 05:59	24°♁19'39	
morning set	1798 Mar 29 08:08	0°♁10'51			1799 Feb 12 19:38	0°♁	
max. Earth dist.	1798 Apr 02 17:03	8°♁43'37	1.34405 AU		1799 Mar 04 19:27	0°♁	
superior conj	1798 Apr 06 22:02	17°♁19'09	0°-50'-25	morning set	1799 Mar 12 02:17	12°♁45'55	
minimum elong	1798 Apr 07 00:35	17°♁32'20	0°49'56	max. Earth dist.	1799 Mar 15 21:31	19°♁50'26	1.36033 AU
asc. node	1798 Apr 11 21:58	27°♁48'18			1799 Mar 21 02:41	0°♁	
	1798 Apr 12 23:02	0°♁		superior conj	1799 Mar 21 14:41	0°♁59'52	-1°-17'-17
evening rise	1798 Apr 14 11:12	3°♁08'51		minimum elong	1799 Mar 21 18:26	1°♁18'39	1°16'43
	1798 Apr 29 18:29	0°♁		evening rise	1799 Mar 29 16:53	17°♁28'01	
evening max el	1798 May 04 00:48	4°♁49'30	21°14'18	asc. node	1799 Mar 29 19:00	17°♁38'46	
retrograde	1798 May 15 23:22	10°♁39'06			1799 Apr 05 03:10	0°♁	
evening set	1798 May 18 06:40	10°♁26'50		evening max el	1799 Apr 16 09:27	16°♁08'58	19°58'28
desc. node	1798 May 20 08:09	9°♁56'25		retrograde	1799 Apr 26 14:30	21°♁04'44	
inferior conj	1798 May 27 15:20	6°♁28'01	-2°-5'-28	evening set	1799 Apr 28 15:15	20°♁53'54	
minimum elong	1798 May 27 09:33	6°♁36'10	2°03'30	desc. node	1799 May 07 05:10	17°♁06'04	
min. Earth dist.	1798 May 28 00:08	6°♁15'38	0.54907 AU	inferior conj	1799 May 07 13:06	16°♁54'05	0°-5'-44
morning rise	1798 Jun 05 12:25	2°♁28'34		minimum elong	1799 May 07 12:50	16°♁54'29	0°05'40
direct	1798 Jun 08 20:16	2°♁04'34		transit begin	1799 May 07 09:07	17°♁00'07	
morning max el	1798 Jun 21 13:28	8°♁07'26	22°24'12	transit end	1799 May 07 16:34	16°♁48'50	

min. Earth dist.	1799 May 09 13:42	15°♄40'40	0.55406 AU	minimum elong	1800 Apr 18 06:32	27°♃43'01	1°37'40
morning rise	1799 May 16 07:32	12°♄29'00		min. Earth dist.	1800 Apr 21 05:13	25°♃40'45	0.56765 AU
direct	1799 May 20 10:35	11°♄51'34		desc. node	1800 Apr 24 02:12	23°♃55'13	
morning max el	1799 Jun 03 05:18	18°♄41'09	24°06'04	morning rise	1800 Apr 26 09:18	22°♃49'59	
	1799 Jun 12 14:29	0°♂		direct	1800 May 01 13:17	21°♃47'04	
asc. node	1799 Jun 25 18:15	23°♂16'01		morning max el	1800 May 15 19:54	29°♃09'12	25°42'35
morning set	1799 Jun 27 19:34	27°♂32'25			1800 May 16 16:30	0°♄	
	1799 Jun 28 23:24	0°♄			1800 Jun 06 02:17	0°♂	
superior conj	1799 Jul 04 20:50	12°♄44'30	1°23'01	morning set	1800 Jun 12 07:11	12°♂28'06	
minimum elong	1799 Jul 04 18:26	12°♄31'34	1°22'42	asc. node	1800 Jun 12 15:18	13°♂10'58	
max. Earth dist.	1799 Jul 06 19:24	16°♄55'13	1.33202 AU	superior conj	1800 Jun 19 07:33	27°♂40'55	1°05'20
evening rise	1799 Jul 12 06:57	28°♄21'05		minimum elong	1800 Jun 19 05:14	27°♂28'13	1°04'56
	1799 Jul 13 02:39	0°♁		max. Earth dist.	1800 Jun 20 04:17	29°♂34'26	1.32516 AU
	1799 Jul 30 07:02	0°♃			1800 Jun 20 08:58	0°♄	
desc. node	1799 Aug 03 04:31	5°♃35'43		evening rise	1800 Jun 26 09:41	12°♄53'38	
evening max el	1799 Aug 14 16:51	19°♃09'46	27°25'47		1800 Jul 05 05:46	0°♁	
retrograde	1799 Aug 28 08:18	26°♃27'31		desc. node	1800 Jul 21 01:31	24°♁07'41	
evening set	1799 Sep 04 12:23	23°♃49'20			1800 Jul 26 04:48	0°♃	
min. Earth dist.	1799 Sep 08 04:10	20°♃37'09	0.63626 AU	evening max el	1800 Jul 28 00:17	1°♃47'48	27°13'14
inferior conj	1799 Sep 10 18:24	17°♃58'49	-3°-22'-55	retrograde	1800 Aug 10 20:32	9°♃02'39	
minimum elong	1799 Sep 10 23:27	17°♃45'56	3°21'22	evening set	1800 Aug 17 23:58	6°♃41'49	
morning rise	1799 Sep 17 12:47	12°♃39'20		min. Earth dist.	1800 Aug 21 14:26	3°♃55'28	0.61781 AU
direct	1799 Sep 19 23:57	12°♃09'38		inferior conj	1800 Aug 24 15:59	1°♃09'49	-4°-11'-54
asc. node	1799 Sep 21 17:26	12°♃24'29		minimum elong	1800 Aug 24 21:09	0°♃58'07	4°10'47
morning max el	1799 Sep 26 13:39	15°♃35'17	17°52'54				
	1799 Oct 06 16:47	0°♂					
morning set	1799 Oct 13 04:30	11°♂09'21					
	1799 Oct 24 06:14	0°♁					
superior conj	1799 Oct 25 13:45	2°♁10'11	0°30'44				
minimum elong	1799 Oct 25 16:54	2°♁23'10	0°30'17				
desc. node	1799 Oct 30 03:48	9°♁38'01					
max. Earth dist.	1799 Oct 31 13:39	11°♁53'43	1.44133 AU				
evening rise	1799 Nov 10 09:55	27°♁19'42					
	1799 Nov 12 03:39	0°♂					
	1799 Dec 02 15:20	0°♄					
greatest brilliancy	1799 Dec 03 06:19	0°♄49'21	-0.5m				
evening max el	1799 Dec 08 23:44	7°♄37'04	20°43'09				
retrograde	1799 Dec 17 05:00	12°♄28'31					
asc. node	1799 Dec 18 16:40	12°♄16'09					
evening set	1799 Dec 21 02:05	11°♄02'19					
inferior conj	1799 Dec 26 12:28	4°♄50'26	2°26'06				
minimum elong	1799 Dec 26 09:53	4°♄59'16	2°25'18				
min. Earth dist.	1799 Dec 27 01:35	4°♄05'37	0.67382 AU				
	1799 Dec 30 07:18	30°♂					
morning rise	1799 Dec 31 17:15	28°♂35'15					
direct	1800 Jan 06 04:05	26°♂12'03					
	1800 Jan 14 05:06	0°♄					
morning max el	1800 Jan 17 05:24	2°♄47'36	24°12'03				
desc. node	1800 Jan 26 03:01	13°♄15'43					
	1800 Feb 06 23:20	0°♁					
morning set	1800 Feb 21 23:38	24°♁16'37					
	1800 Feb 25 05:39	0°♂					
max. Earth dist.	1800 Feb 25 18:03	0°♂55'33	1.38027 AU				
superior conj	1800 Mar 04 19:40	14°♂02'44	-1°-40'-55				
minimum elong	1800 Mar 04 23:55	14°♂23'04	1°40'29				
	1800 Mar 12 23:16	0°♃					
evening rise	1800 Mar 13 16:09	1°♃23'19					
asc. node	1800 Mar 16 16:01	7°♃13'53					
evening max el	1800 Mar 30 05:20	28°♃08'16	19°01'45				
	1800 Apr 01 10:05	0°♄					
retrograde	1800 Apr 07 19:41	2°♄18'23					
evening set	1800 Apr 09 23:35	2°♄03'40					
	1800 Apr 14 19:27	30°♃					
inferior conj	1800 Apr 18 03:02	27°♃49'08	1°38'46				