

































































































































superior conj	1100 Apr 07 j 20:57	24° $\Upsilon$ 07'10	-0°23'47	max. Earth dist.	1101 Mar 18 j 22:02	0° $\Upsilon$ 05'10	1.34280 AU
minimum elong	1100 Apr 07 j 22:07	24° $\Upsilon$ 13'24	0°23'33				
asc. node	1100 Apr 10 j 03:31	29° $\Upsilon$ 00'21		superior conj	1101 Mar 22 j 22:42	8° $\Upsilon$ 20'49	-0°51'15
	1100 Apr 10 j 14:35	0° $\text{B}$		minimum elong	1101 Mar 23 j 01:14	8° $\Upsilon$ 34'00	0°50'46
evening rise	1100 Apr 14 j 23:53	9° $\text{B}$ 23'19		asc. node	1101 Mar 28 j 00:34	19° $\Upsilon$ 01'55	
	1100 Apr 25 j 18:13	0° $\Pi$		evening rise	1101 Mar 30 j 09:50	24° $\Upsilon$ 02'12	
evening max el	1100 May 07 j 09:59	15° $\Pi$ 26'14	22°55'04		1101 Apr 02 j 07:44	0° $\text{B}$	
desc. node	1100 May 19 j 00:55	21° $\Pi$ 57'39		evening max el	1101 Apr 19 j 06:31	26° $\text{B}$ 09'24	21°23'29
retrograde	1100 May 20 j 18:01	22° $\Pi$ 04'19			1101 Apr 24 j 05:31	0° $\Pi$	
evening set	1100 May 24 j 03:06	21° $\Pi$ 39'15		retrograde	1101 May 01 j 08:47	2° $\Pi$ 03'22	
min. Earth dist.	1100 May 31 j 18:52	18° $\Pi$ 15'46	0.55502 AU	evening set	1101 May 03 j 17:21	1° $\Pi$ 50'40	
inferior conj	1100 Jun 02 j 07:58	17° $\Pi$ 22'12	-3°43'24	desc. node	1101 May 05 j 21:55	1° $\Pi$ 17'36	
minimum elong	1100 Jun 02 j 00:27	17° $\Pi$ 33'06	3°41'34		1101 May 09 j 02:01	30° $\text{R}$ $\text{B}$	
morning rise	1100 Jun 11 j 00:16	13° $\Pi$ 29'19		inferior conj	1101 May 13 j 02:55	27° $\text{B}$ 50'34	-2°03'06
direct	1100 Jun 13 j 19:43	13° $\Pi$ 10'45		minimum elong	1101 May 12 j 21:16	27° $\text{B}$ 58'31	2°01'10
morning max el	1100 Jun 24 j 19:10	18° $\Pi$ 15'51	20°41'25	min. Earth dist.	1101 May 13 j 07:26	27° $\text{B}$ 44'14	0.54940 AU
	1100 Jul 03 j 22:46	0° $\text{C}$		morning rise	1101 May 22 j 01:40	23° $\text{B}$ 51'38	
asc. node	1100 Jul 07 j 02:47	5° $\text{C}$ 25'51		direct	1101 May 25 j 06:08	23° $\text{B}$ 29'32	
morning set	1100 Jul 13 j 21:39	18° $\text{C}$ 39'55		morning max el	1101 Jun 06 j 19:52	29° $\text{B}$ 27'11	22°12'41
	1100 Jul 19 j 09:03	0° $\text{Q}$			1101 Jun 07 j 09:40	0° $\Pi$	
				asc. node	1101 Jun 23 j 23:50	24° $\Pi$ 45'32	
superior conj	1100 Jul 21 j 10:40	4° $\text{Q}$ 14'59	1°44'20		1101 Jun 26 j 14:45	0° $\text{C}$	
minimum elong	1100 Jul 21 j 09:36	4° $\text{Q}$ 09'33	1°44'17	morning set	1101 Jun 28 j 07:34	3° $\text{C}$ 30'49	
max. Earth dist.	1100 Jul 26 j 04:17	13° $\text{Q}$ 43'11	1.35957 AU				
evening rise	1100 Jul 30 j 06:01	21° $\text{Q}$ 29'15		superior conj	1101 Jul 05 j 12:43	18° $\text{C}$ 47'27	1°35'53
	1100 Aug 03 j 23:05	0° $\text{P}$		minimum elong	1101 Jul 05 j 10:40	18° $\text{C}$ 36'42	1°35'43
desc. node	1100 Aug 15 j 00:17	18° $\text{P}$ 02'36		max. Earth dist.	1101 Jul 08 j 20:06	25° $\text{C}$ 40'57	1.34449 AU
	1100 Aug 23 j 09:33	0° $\text{A}$			1101 Jul 10 j 23:09	0° $\text{Q}$	
evening max el	1100 Sep 03 j 21:47	13° $\text{A}$ 27'43	26°15'43	evening rise	1101 Jul 13 j 12:29	5° $\text{Q}$ 02'53	
retrograde	1100 Sep 16 j 14:07	20° $\text{A}$ 37'58			1101 Jul 27 j 16:29	0° $\text{P}$	
evening set	1100 Sep 22 j 23:07	17° $\text{A}$ 59'05		desc. node	1101 Aug 01 j 21:17	7° $\text{P}$ 53'41	
min. Earth dist.	1100 Sep 27 j 03:08	13° $\text{A}$ 33'42	0.66421 AU	evening max el	1101 Aug 17 j 09:53	26° $\text{P}$ 59'22	27°03'11
inferior conj	1100 Sep 28 j 14:56	11° $\text{A}$ 43'26	-1°30'50		1101 Aug 20 j 20:22	0° $\text{A}$	
minimum elong	1100 Sep 28 j 17:18	11° $\text{A}$ 36'08	1°29'51	retrograde	1101 Aug 30 j 16:04	4° $\text{A}$ 17'32	
asc. node	1100 Oct 03 j 02:01	6° $\text{A}$ 53'56		evening set	1101 Sep 06 j 12:48	1° $\text{A}$ 32'58	
morning rise	1100 Oct 04 j 11:56	5° $\text{A}$ 54'15			1101 Sep 08 j 06:24	30° $\text{R}$ $\text{P}$	
direct	1100 Oct 07 j 13:41	5° $\text{A}$ 00'28		min. Earth dist.	1101 Sep 10 j 09:56	27° $\text{P}$ 44'08	0.65287 AU
morning max el	1100 Oct 14 j 08:49	8° $\text{A}$ 46'54	18°47'19	inferior conj	1101 Sep 12 j 10:02	25° $\text{P}$ 27'12	-2°27'56
	1100 Oct 29 j 10:58	0° $\text{M}$		minimum elong	1101 Sep 12 j 13:52	25° $\text{P}$ 16'16	2°26'31
morning set	1100 Nov 04 j 16:14	9° $\text{M}$ 49'22		morning rise	1101 Sep 18 j 15:41	19° $\text{P}$ 50'55	
desc. node	1100 Nov 10 j 23:34	19° $\text{M}$ 46'28		asc. node	1101 Sep 19 j 23:03	19° $\text{P}$ 21'11	
	1100 Nov 17 j 11:43	0° $\text{X}$		direct	1101 Sep 21 j 09:55	19° $\text{P}$ 09'41	
max. Earth dist.	1100 Nov 20 j 05:33	4° $\text{X}$ 18'35	1.45028 AU	morning max el	1101 Sep 27 j 22:47	22° $\text{P}$ 41'47	18°12'11
					1101 Oct 03 j 17:29	0° $\text{A}$	
superior conj	1100 Nov 20 j 23:20	5° $\text{X}$ 28'28	-1°03'07	morning set	1101 Oct 16 j 12:07	20° $\text{A}$ 28'13	
minimum elong	1100 Nov 20 j 15:42	4° $\text{X}$ 58'28	1°02'12		1101 Oct 22 j 07:55	0° $\text{M}$	
	1100 Dec 06 j 09:48	0° $\text{Z}$		desc. node	1101 Oct 28 j 20:37	10° $\text{M}$ 30'08	
evening rise	1100 Dec 06 j 12:42	0° $\text{Z}$ 11'40					
	1100 Dec 26 j 03:28	0° $\approx$		superior conj	1101 Oct 31 j 02:16	14° $\text{M}$ 03'18	-0°14'51
evening max el	1100 Dec 27 j 17:24	1° $\approx$ 44'35	18°48'39	minimum elong	1101 Oct 31 j 00:22	13° $\text{M}$ 55'44	0°14'36
asc. node	1100 Dec 30 j 01:17	3° $\approx$ 48'52		behind sun begin	1101 Oct 30 j 19:30	13° $\text{M}$ 36'27	
retrograde	1101 Jan 03 j 11:25	5° $\approx$ 32'16		behind sun end	1101 Oct 31 j 05:14	14° $\text{M}$ 15'01	
evening set	1101 Jan 06 j 16:06	4° $\approx$ 33'49		max. Earth dist.	1101 Nov 03 j 00:18	18° $\text{M}$ 39'49	1.44980 AU
	1101 Jan 11 j 10:53	30° $\text{R}$ $\text{Z}$			1101 Nov 10 j 06:00	0° $\text{X}$	
inferior conj	1101 Jan 12 j 09:11	28° $\text{Z}$ 52'06	3°29'03	evening rise	1101 Nov 16 j 12:42	9° $\text{X}$ 46'43	
minimum elong	1101 Jan 12 j 07:03	28° $\text{Z}$ 58'39	3°28'44	greatest brilliancy	1101 Nov 28 j 19:42	28° $\text{X}$ 44'44	-0.7m
min. Earth dist.	1101 Jan 14 j 02:59	26° $\text{Z}$ 43'44	0.65307 AU		1101 Nov 29 j 15:41	0° $\text{Z}$	
morning rise	1101 Jan 17 j 21:37	22° $\text{Z}$ 42'24		evening max el	1101 Dec 11 j 00:53	15° $\text{Z}$ 12'57	19°34'59
direct	1101 Jan 24 j 13:06	19° $\text{Z}$ 50'23		asc. node	1101 Dec 16 j 22:19	19° $\text{Z}$ 15'44	
morning max el	1101 Feb 06 j 16:59	27° $\text{Z}$ 33'10	26°53'56	retrograde	1101 Dec 18 j 08:14	19° $\text{Z}$ 26'49	
desc. node	1101 Feb 06 j 22:44	27° $\text{Z}$ 47'41		evening set	1101 Dec 21 j 20:06	18° $\text{Z}$ 15'21	
	1101 Feb 09 j 00:46	0° $\approx$		inferior conj	1101 Dec 27 j 08:26	12° $\text{Z}$ 18'50	3°01'32
	1101 Mar 02 j 11:22	0° $\text{H}$		minimum elong	1101 Dec 27 j 05:47	12° $\text{Z}$ 27'32	3°00'52
morning set	1101 Mar 14 j 12:03	21° $\text{H}$ 24'24		min. Earth dist.	1101 Dec 28 j 11:50	10° $\text{Z}$ 49'11	0.66483 AU
	1101 Mar 18 j 21:00	0° $\Upsilon$		morning rise	1102 Jan 01 j 15:13	6° $\text{Z}$ 06'24	

direct	1102 Jan 07 j 18:55	3°  22'21		min. Earth dist.	1102 Dec 12 j 02:53	25°  05'56	0.67263 AU
morning max el	1102 Jan 20 j 02:08	10°  40'51	25°45'40	morning rise	1102 Dec 16 j 16:34	19°  41'58	
desc. node	1102 Jan 24 j 19:47	15°  54'05		direct	1102 Dec 22 j 05:49	17°  14'55	
	1102 Feb 04 j 11:29	0°  ≈		morning max el	1103 Jan 02 j 10:26	23°  55'23	24°22'28
	1102 Feb 23 j 01:53	0°  ✕			1103 Jan 07 j 20:39	0°  ✕	
morning set	1102 Feb 25 j 08:19	4°  06'30		desc. node	1103 Jan 11 j 16:51	4°  51'33	
max. Earth dist.	1102 Mar 01 j 03:54	11°  15'13	1.35842 AU		1103 Jan 28 j 21:41	0°  ≈	
				morning set	1103 Feb 07 j 08:27	15°  ≈45'22	
superior conj	1102 Mar 06 j 16:34	22°  06'21	-1°17'37	max. Earth dist.	1103 Feb 11 j 00:58	22°  ≈18'27	1.37790 AU
minimum elong	1102 Mar 06 j 20:14	22°  04'48	1°17'02		1103 Feb 15 j 05:04	0°  ✕	
	1102 Mar 10 j 13:42	0°  Υ					
evening rise	1102 Mar 14 j 16:02	8°  Υ24'09		superior conj	1103 Feb 17 j 23:14	5°  ✕14'47	-1°40'41
asc. node	1102 Mar 14 j 21:36	8°  Υ52'32		minimum elong	1103 Feb 18 j 03:19	5°  ✕34'30	1°40'13
	1102 Mar 26 j 12:34	0°  ♄		evening rise	1103 Feb 26 j 16:05	22°  ✕22'36	
evening max el	1102 Apr 01 j 14:03	7°  ♄26'36	20°05'57	asc. node	1103 Mar 01 j 18:38	28°  ✕27'24	
retrograde	1102 Apr 11 j 23:16	12°  ♄26'47			1103 Mar 02 j 13:58	0°  Υ	
evening set	1102 Apr 14 j 00:40	12°  ♄15'51		evening max el	1103 Mar 15 j 08:48	19°  Υ22'55	19°07'08
inferior conj	1102 Apr 22 j 23:52	8°  ♄16'52	-0°03'33	retrograde	1103 Mar 24 j 02:43	23°  Υ36'32	
minimum elong	1102 Apr 22 j 23:42	8°  ♄17'06	0°03'29	evening set	1103 Mar 26 j 07:10	23°  Υ21'49	
transit middle	1102 Apr 22 j 23:42	8°  ♄17'06	0°03'29	inferior conj	1103 Apr 03 j 11:53	19°  Υ09'28	1°41'41
transit begin	1102 Apr 22 j 19:48	8°  ♄22'57		minimum elong	1103 Apr 03 j 15:32	19°  Υ03'13	1°40'32
transit end	1102 Apr 23 j 03:37	8°  ♄11'15		min. Earth dist.	1103 Apr 06 j 12:19	17°  Υ06'08	0.56629 AU
desc. node	1102 Apr 22 j 18:57	8°  ♄24'14		desc. node	1103 Apr 09 j 15:59	15°  Υ13'04	
min. Earth dist.	1102 Apr 24 j 21:03	7°  ♄09'21	0.55349 AU	morning rise	1103 Apr 11 j 20:55	14°  Υ12'50	
morning rise	1102 May 01 j 20:50	3°  ♄53'41		direct	1103 Apr 16 j 21:15	13°  Υ14'08	
direct	1102 May 05 j 19:48	3°  ♄19'25		morning max el	1103 May 01 j 03:03	20°  Υ33'22	25°31'18
morning max el	1102 May 19 j 12:32	10°  ♄04'56	23°53'42		1103 May 09 j 05:46	0°  ♄	
	1102 Jun 03 j 06:36	0°  ♄			1103 May 26 j 15:48	0°  ♄	
asc. node	1102 Jun 10 j 20:51	14°  ♄26'16		morning set	1103 May 28 j 06:57	3°  ♄24'07	
morning set	1102 Jun 12 j 19:12	18°  ♄27'13		asc. node	1103 May 28 j 17:54	4°  ♄22'01	
	1102 Jun 18 j 04:13	0°  ♄					
superior conj	1102 Jun 19 j 20:02	3°  ♄35'19	1°22'08	superior conj	1103 Jun 04 j 06:30	18°  ♄31'42	1°04'05
minimum elong	1102 Jun 19 j 17:36	3°  ♄22'11	1°21'49	minimum elong	1103 Jun 04 j 04:12	18°  ♄19'03	1°03'42
max. Earth dist.	1102 Jun 21 j 21:23	8°  ♄00'07	1.33339 AU	max. Earth dist.	1103 Jun 05 j 05:53	20°  ♄39'27	1.32624 AU
evening rise	1102 Jun 27 j 06:29	19°  ♄10'35			1103 Jun 09 j 14:05	0°  ♄	
	1102 Jul 02 j 20:46	0°  ♄		evening rise	1103 Jun 11 j 08:36	3°  ♄42'02	
desc. node	1102 Jul 19 j 18:17	27°  ♄11'30			1103 Jun 25 j 14:56	0°  ♄	
	1102 Jul 21 j 20:59	0°  ♄		desc. node	1103 Jul 06 j 15:17	15°  ♄42'18	
evening max el	1102 Jul 30 j 21:06	10°  ♄12'40	27°25'04	evening max el	1103 Jul 13 j 04:58	22°  ♄54'10	27°15'47
retrograde	1102 Aug 13 j 11:54	17°  ♄31'06			1103 Jul 25 j 02:31	0°  ♄	
evening set	1102 Aug 20 j 15:55	14°  ♄50'57		retrograde	1103 Jul 27 j 00:56	0°  ♄09'59	
min. Earth dist.	1102 Aug 24 j 07:42	11°  ♄36'06	0.63799 AU		1103 Jul 28 j 22:33	30°  ♄	
inferior conj	1102 Aug 26 j 20:37	8°  ♄59'09	-3°22'18	evening set	1103 Aug 03 j 04:43	27°  ♄46'51	
minimum elong	1102 Aug 27 j 01:31	8°  ♄46'30	3°20'50	min. Earth dist.	1103 Aug 06 j 19:00	24°  ♄58'19	0.61990 AU
morning rise	1102 Sep 02 j 12:10	3°  ♄39'07		inferior conj	1103 Aug 09 j 19:40	22°  ♄12'10	-4°09'40
direct	1102 Sep 05 j 01:27	3°  ♄06'53		minimum elong	1103 Aug 10 j 00:37	22°  ♄00'49	4°08'37
asc. node	1102 Sep 06 j 20:04	3°  ♄22'43		morning rise	1103 Aug 16 j 21:59	17°  ♄11'56	
morning max el	1102 Sep 11 j 14:41	6°  ♄32'45	17°54'22	direct	1103 Aug 19 j 08:58	16°  ♄45'48	
	1102 Sep 27 j 01:14	0°  ♄		asc. node	1103 Aug 24 j 17:07	18°  ♄52'54	
morning set	1102 Sep 28 j 10:33	2°  ♄23'51		morning max el	1103 Aug 26 j 05:40	20°  ♄13'32	17°54'48
					1103 Sep 02 j 12:07	0°  ♄	
superior conj	1102 Oct 10 j 23:28	23°  ♄34'07	0°31'35	morning set	1103 Sep 11 j 05:25	15°  ♄17'55	
minimum elong	1102 Oct 11 j 02:46	23°  ♄47'39	0°31'08		1103 Sep 19 j 10:41	0°  ♄	
	1102 Oct 14 j 22:30	0°  ♄		superior conj	1103 Sep 21 j 23:45	4°  ♄25'07	1°07'44
desc. node	1102 Oct 15 j 17:38	1°  ♄16'49		minimum elong	1103 Sep 22 j 04:31	4°  ♄45'34	1°07'10
max. Earth dist.	1102 Oct 16 j 17:55	2°  ♄53'56	1.44211 AU	max. Earth dist.	1103 Sep 29 j 07:41	16°  ♄43'31	1.42818 AU
evening rise	1102 Oct 26 j 21:56	18°  ♄49'23		desc. node	1103 Oct 02 j 14:38	22°  ♄03'22	
	1102 Nov 03 j 05:53	0°  ♄		evening rise	1103 Oct 06 j 08:40	28°  ♄00'22	
evening max el	1102 Nov 24 j 03:13	28°  ♄42'29	20°35'53		1103 Oct 07 j 15:16	0°  ♄	
	1102 Nov 25 j 11:00	0°  ♄			1103 Oct 28 j 00:37	0°  ♄	
retrograde	1102 Dec 02 j 05:58	3°  ♄29'54		evening max el	1103 Nov 06 j 23:48	12°  ♄12'22	21°48'01
asc. node	1102 Dec 03 j 19:19	3°  ♄16'15		retrograde	1103 Nov 16 j 02:44	17°  ♄38'02	
evening set	1102 Dec 06 j 02:53	2°  ♄03'39		evening set	1103 Nov 20 j 10:35	15°  ♄55'26	
	1102 Dec 08 j 07:32	30°  ♄		asc. node	1103 Nov 20 j 16:21	15°  ♄43'35	
inferior conj	1102 Dec 11 j 12:25	25°  ♄55'09	2°24'54	inferior conj	1103 Nov 25 j 19:00	9°  ♄38'12	1°41'11
minimum elong	1102 Dec 11 j 09:49	26°  ♄04'03	2°24'04	minimum elong	1103 Nov 25 j 16:54	9°  ♄45'28	1°40'23

min. Earth dist.	1103 Nov 25 j 21:54	9°♊28'10	0.67674 AU	asc. node	1104 Nov 06 j 13:24	26°♎49'30	
morning rise	1103 Nov 30 j 23:05	3°♊26'01		inferior conj	1104 Nov 09 j 02:20	23°♎26'19	0°51'55
direct	1103 Dec 05 j 21:07	1°♊20'46		minimum elong	1104 Nov 09 j 01:09	23°♎30'24	0°51'25
morning max el	1103 Dec 15 j 20:09	7°♊15'07	22°54'15	min. Earth dist.	1104 Nov 08 j 18:35	23°♎53'01	0.67745 AU
desc. node	1103 Dec 29 j 13:53	24°♊25'03		morning rise	1104 Nov 14 j 08:38	17°♎17'08	
	1104 Jan 02 j 11:31	0°♊		direct	1104 Nov 18 j 16:03	15°♎34'39	
morning set	1104 Jan 19 j 06:08	26°♊04'42		morning max el	1104 Nov 27 j 10:41	20°♎42'58	21°29'48
	1104 Jan 21 j 14:28	0°♊			1104 Dec 05 j 05:36	0°♊	
max. Earth dist.	1104 Jan 23 j 20:36	3°♊50'26	1.39927 AU	desc. node	1104 Dec 15 j 10:56	14°♊24'39	
					1104 Dec 25 j 17:52	0°♊	
superior conj	1104 Jan 31 j 14:18	17°♊34'05	-1°57'25	morning set	1104 Dec 28 j 22:52	5°♊02'07	
minimum elong	1104 Jan 31 j 17:22	17°♊48'06	1°57'15	max. Earth dist.	1105 Jan 04 j 21:05	16°♊13'25	1.41969 AU
	1104 Feb 07 j 05:49	0°♊					
evening rise	1104 Feb 10 j 07:03	5°♊49'12		superior conj	1105 Jan 12 j 08:37	28°♊52'13	-2°03'40
asc. node	1104 Feb 16 j 15:40	17°♊39'58		minimum elong	1105 Jan 12 j 08:23	28°♊51'14	2°03'41
	1104 Feb 24 j 18:29	0°♊			1105 Jan 13 j 00:14	0°♊	
evening max el	1104 Feb 26 j 12:26	1°♊52'23	18°28'20	evening rise	1105 Jan 23 j 09:22	18°♊36'03	
retrograde	1104 Mar 05 j 01:03	5°♊34'35			1105 Jan 29 j 17:11	0°♊	
evening set	1104 Mar 07 j 11:00	5°♊12'53		asc. node	1105 Feb 02 j 12:43	6°♊23'09	
inferior conj	1104 Mar 14 j 20:47	0°♊40'59	2°54'20	evening max el	1105 Feb 08 j 21:56	14°♊47'22	18°09'31
minimum elong	1104 Mar 15 j 00:42	0°♊33'06	2°53'28	retrograde	1105 Feb 15 j 16:48	18°♊13'56	
	1104 Mar 15 j 17:04	30°♊		evening set	1105 Feb 18 j 08:00	17°♊43'20	
min. Earth dist.	1104 Mar 18 j 07:09	27°♊56'59	0.58502 AU	inferior conj	1105 Feb 25 j 01:54	12°♊50'38	3°33'41
morning rise	1104 Mar 22 j 11:38	25°♊14'00		minimum elong	1105 Feb 25 j 04:03	12°♊45'36	3°33'27
desc. node	1104 Mar 26 j 13:02	23°♊50'10		min. Earth dist.	1105 Feb 28 j 08:13	9°♊49'35	0.60624 AU
direct	1104 Mar 28 j 12:15	23°♊40'07		morning rise	1105 Mar 03 j 22:12	7°♊03'01	
	1104 Apr 10 j 11:03	0°♊		direct	1105 Mar 10 j 15:20	4°♊52'23	
morning max el	1104 Apr 11 j 21:08	1°♊20'03	26°50'02	desc. node	1105 Mar 13 j 10:06	5°♊13'32	
	1104 May 02 j 08:01	0°♊		morning max el	1105 Mar 24 j 21:22	12°♊43'32	27°37'22
morning set	1104 May 11 j 17:09	18°♊15'08			1105 Apr 07 j 14:11	0°♊	
asc. node	1104 May 14 j 14:57	24°♊26'51			1105 Apr 24 j 13:59	0°♊	
	1104 May 17 j 04:05	0°♊		morning set	1105 Apr 25 j 23:59	2°♊53'56	
				asc. node	1105 May 01 j 12:00	14°♊36'17	
superior conj	1104 May 18 j 18:15	3°♊29'41	0°42'33	max. Earth dist.	1105 May 02 j 05:59	16°♊14'18	1.32310 AU
minimum elong	1104 May 18 j 16:30	3°♊20'03	0°42'12				
max. Earth dist.	1104 May 18 j 18:02	3°♊28'32	1.32280 AU	superior conj	1105 May 03 j 05:34	18°♊23'22	0°18'15
evening rise	1104 May 25 j 16:05	18°♊27'44		minimum elong	1105 May 03 j 04:45	18°♊18'52	0°18'04
	1104 May 31 j 09:35	0°♊			1105 May 08 j 13:13	0°♊	
	1104 Jun 19 j 16:48	0°♊		evening rise	1105 May 10 j 02:42	3°♊20'12	
desc. node	1104 Jun 22 j 12:17	3°♊06'29			1105 May 24 j 10:23	0°♊	
evening max el	1104 Jun 24 j 06:50	4°♊52'24	26°33'26	evening max el	1105 Jun 06 j 01:41	16°♊04'48	25°21'33
retrograde	1104 Jul 08 j 06:21	12°♊05'55		desc. node	1105 Jun 09 j 09:19	18°♊56'34	
evening set	1104 Jul 14 j 22:38	10°♊12'55		retrograde	1105 Jun 20 j 02:18	23°♊13'43	
min. Earth dist.	1104 Jul 18 j 20:07	7°♊36'15	0.59959 AU	evening set	1105 Jun 25 j 17:38	21°♊59'34	
inferior conj	1104 Jul 22 j 03:43	4°♊57'24	-4°43'04	min. Earth dist.	1105 Jun 30 j 13:37	19°♊16'12	0.57924 AU
minimum elong	1104 Jul 22 j 06:52	4°♊51'05	4°42'43	inferior conj	1105 Jul 03 j 17:18	17°♊05'07	-4°51'41
morning rise	1104 Jul 29 j 17:07	0°♊19'36		minimum elong	1105 Jul 03 j 16:18	17°♊06'52	4°51'39
	1104 Jul 31 j 08:21	30°♊		morning rise	1105 Jul 11 j 17:34	12°♊49'37	
direct	1104 Aug 01 j 04:09	29°♊57'27		direct	1105 Jul 14 j 06:37	12°♊29'57	
	1104 Aug 01 j 23:47	0°♊		morning max el	1105 Jul 22 j 20:46	16°♊32'21	18°55'01
morning max el	1104 Aug 08 j 16:46	3°♊36'38	18°14'39	asc. node	1105 Jul 28 j 11:15	23°♊21'53	
asc. node	1104 Aug 10 j 14:10	5°♊37'49			1105 Aug 01 j 13:21	0°♊	
morning set	1104 Aug 24 j 15:08	28°♊54'50		morning set	1105 Aug 08 j 11:19	13°♊02'30	
	1104 Aug 25 j 04:54	0°♊					
				superior conj	1105 Aug 16 j 22:36	29°♊35'51	1°43'32
superior conj	1104 Sep 03 j 01:20	16°♊31'11	1°31'21	minimum elong	1105 Aug 17 j 00:13	29°♊43'31	1°43'27
minimum elong	1104 Sep 03 j 04:56	16°♊47'31	1°31'02		1105 Aug 17 j 03:40	0°♊	
max. Earth dist.	1104 Sep 10 j 15:45	29°♊53'04	1.40983 AU	max. Earth dist.	1105 Aug 23 j 19:19	12°♊17'59	1.38955 AU
	1104 Sep 10 j 17:22	0°♊		evening rise	1105 Aug 27 j 16:57	19°♊08'19	
evening rise	1104 Sep 15 j 12:42	8°♊00'23			1105 Sep 03 j 05:47	0°♊	
desc. node	1104 Sep 18 j 11:39	12°♊46'40		desc. node	1105 Sep 05 j 08:40	3°♊22'25	
	1104 Sep 29 j 18:08	0°♊			1105 Sep 23 j 23:57	0°♊	
evening max el	1104 Oct 19 j 15:24	25°♊44'03	23°06'53	evening max el	1105 Oct 02 j 03:59	9°♊19'05	24°26'32
	1104 Oct 24 j 16:57	0°♊		retrograde	1105 Oct 13 j 11:44	15°♊56'35	
retrograde	1104 Oct 29 j 21:05	1°♊48'23		evening set	1105 Oct 18 j 22:14	13°♊39'42	
	1104 Nov 03 j 11:58	30°♊		min. Earth dist.	1105 Oct 23 j 14:30	8°♊17'38	0.67491 AU
evening set	1104 Nov 03 j 17:36	29°♊48'29		inferior conj	1105 Oct 24 j 08:40	7°♊16'45	-0°01'33

minimum elong	1105 Oct 24 j 08:42	7° $\mathbb{M}$ 16'38	0°01'31	evening rise	1106 Aug 09 j 20:19	1° $\mathbb{M}$ 22'40	
transit middle	1105 Oct 24 j 08:42	7° $\mathbb{M}$ 16'38	0°01'31	desc. node	1106 Aug 23 j 05:40	23° $\mathbb{M}$ 46'12	
transit begin	1105 Oct 24 j 05:59	7° $\mathbb{M}$ 25'47			1106 Aug 27 j 09:08	0° $\mathbb{A}$	
transit end	1105 Oct 24 j 11:26	7° $\mathbb{M}$ 07'29		evening max el	1106 Sep 14 j 15:52	22° $\mathbb{A}$ 57'57	25°39'37
asc. node	1105 Oct 24 j 10:28	7° $\mathbb{M}$ 10'43		retrograde	1106 Sep 26 j 21:46	29° $\mathbb{A}$ 58'39	
morning rise	1105 Oct 29 j 19:13	1° $\mathbb{M}$ 12'59		evening set	1106 Oct 02 j 22:44	27° $\mathbb{A}$ 26'48	
	1105 Nov 01 j 08:27	30° $\mathbb{R}$ $\mathbb{A}$		min. Earth dist.	1106 Oct 07 j 07:11	22° $\mathbb{A}$ 40'08	0.66915 AU
direct	1105 Nov 02 j 13:32	29° $\mathbb{A}$ 51'47		inferior conj	1106 Oct 08 j 12:13	21° $\mathbb{A}$ 07'23	-0°57'47
	1105 Nov 03 j 19:19	0° $\mathbb{M}$		minimum elong	1106 Oct 08 j 13:42	21° $\mathbb{A}$ 02'39	0°57'09
morning max el	1105 Nov 10 j 08:26	4° $\mathbb{M}$ 20'29	20°15'25	asc. node	1106 Oct 11 j 07:32	17° $\mathbb{A}$ 43'56	
	1105 Nov 29 j 05:22	0° $\mathbb{A}$		morning rise	1106 Oct 14 j 04:53	15° $\mathbb{A}$ 11'51	
desc. node	1105 Dec 02 j 07:58	4° $\mathbb{A}$ 42'32		direct	1106 Oct 17 j 12:07	14° $\mathbb{A}$ 08'56	
morning set	1105 Dec 07 j 20:16	13° $\mathbb{A}$ 10'15		morning max el	1106 Oct 24 j 13:48	18° $\mathbb{A}$ 07'43	19°14'55
max. Earth dist.	1105 Dec 18 j 04:57	29° $\mathbb{A}$ 28'34	1.43639 AU		1106 Nov 02 j 18:28	0° $\mathbb{M}$	
	1105 Dec 18 j 12:47	0° $\mathbb{B}$		morning set	1106 Nov 16 j 22:30	21° $\mathbb{M}$ 41'21	
				desc. node	1106 Nov 19 j 04:58	25° $\mathbb{M}$ 13'30	
superior conj	1105 Dec 24 j 01:20	8° $\mathbb{B}$ 58'45	-1°54'37		1106 Nov 22 j 06:26	0° $\mathbb{A}$	
minimum elong	1105 Dec 23 j 19:57	8° $\mathbb{B}$ 36'36	1°54'19	max. Earth dist.	1106 Nov 30 j 19:46	13° $\mathbb{A}$ 25'23	1.44727 AU
	1106 Jan 05 j 10:52	0° $\mathbb{A}$					
evening rise	1106 Jan 05 j 18:44	0° $\mathbb{A}$ 34'08		superior conj	1106 Dec 03 j 16:27	17° $\mathbb{A}$ 57'13	-1°26'52
asc. node	1106 Jan 20 j 09:46	24° $\mathbb{A}$ 27'48		minimum elong	1106 Dec 03 j 07:50	17° $\mathbb{A}$ 23'01	1°25'59
evening max el	1106 Jan 23 j 10:14	27° $\mathbb{A}$ 59'32	18°10'13		1106 Dec 11 j 04:44	0° $\mathbb{B}$	
	1106 Jan 25 j 19:25	0° $\mathbb{H}$		evening rise	1106 Dec 18 j 06:54	11° $\mathbb{B}$ 36'29	
retrograde	1106 Jan 29 j 21:48	1° $\mathbb{H}$ 24'45			1106 Dec 29 j 12:48	0° $\mathbb{A}$	
evening set	1106 Feb 01 j 17:56	0° $\mathbb{H}$ 44'01		evening max el	1107 Jan 06 j 22:30	11° $\mathbb{A}$ 21'28	18°29'34
	1106 Feb 03 j 01:02	30° $\mathbb{R}$ $\mathbb{A}$		asc. node	1107 Jan 07 j 06:49	11° $\mathbb{A}$ 42'13	
inferior conj	1106 Feb 07 j 23:39	25° $\mathbb{A}$ 31'01	3°46'29	retrograde	1107 Jan 13 j 11:45	14° $\mathbb{A}$ 57'37	
minimum elong	1106 Feb 07 j 23:44	25° $\mathbb{A}$ 30'49	3°46'29	evening set	1107 Jan 16 j 13:08	14° $\mathbb{A}$ 05'47	
min. Earth dist.	1106 Feb 10 j 17:41	22° $\mathbb{A}$ 37'21	0.62677 AU	inferior conj	1107 Jan 22 j 09:59	8° $\mathbb{A}$ 33'54	3°39'42
morning rise	1106 Feb 14 j 04:27	19° $\mathbb{A}$ 31'21		minimum elong	1107 Jan 22 j 08:28	8° $\mathbb{A}$ 38'22	3°39'33
direct	1106 Feb 21 j 03:50	16° $\mathbb{A}$ 53'14		min. Earth dist.	1107 Jan 24 j 12:37	6° $\mathbb{A}$ 05'58	0.64454 AU
desc. node	1106 Feb 28 j 07:10	19° $\mathbb{A}$ 13'06		morning rise	1107 Jan 28 j 03:17	2° $\mathbb{A}$ 27'10	
morning max el	1106 Mar 07 j 03:04	24° $\mathbb{A}$ 47'44	27°47'48		1107 Feb 01 j 09:16	30° $\mathbb{R}$ $\mathbb{B}$	
	1106 Mar 11 j 21:07	0° $\mathbb{H}$		direct	1107 Feb 03 j 23:40	29° $\mathbb{B}$ 36'12	
	1106 Mar 31 j 23:25	0° $\mathbb{Y}$		desc. node	1107 Feb 06 j 17:01	0° $\mathbb{A}$	
morning set	1106 Apr 10 j 01:22	17° $\mathbb{Y}$ 13'36		morning max el	1107 Feb 15 j 04:12	5° $\mathbb{A}$ 13'32	
max. Earth dist.	1106 Apr 15 j 13:55	28° $\mathbb{Y}$ 44'16	1.32735 AU		1107 Feb 17 j 12:00	7° $\mathbb{A}$ 25'38	27°22'32
	1106 Apr 16 j 04:03	0° $\mathbb{B}$			1107 Mar 06 j 22:25	0° $\mathbb{H}$	
					1107 Mar 24 j 05:16	0° $\mathbb{Y}$	
superior conj	1106 Apr 17 j 14:46	3° $\mathbb{B}$ 07'11	-0°08'04	morning set	1107 Mar 24 j 18:25	1° $\mathbb{Y}$ 04'13	
minimum elong	1106 Apr 17 j 15:09	3° $\mathbb{B}$ 09'16	0°08'00	max. Earth dist.	1107 Mar 29 j 13:55	10° $\mathbb{Y}$ 45'46	1.33589 AU
behind sun begin	1106 Apr 17 j 10:37	2° $\mathbb{B}$ 44'47					
behind sun end	1106 Apr 17 j 19:40	3° $\mathbb{B}$ 33'46		superior conj	1107 Apr 01 j 19:49	17° $\mathbb{Y}$ 33'42	-0°35'27
asc. node	1106 Apr 18 j 09:04	4° $\mathbb{B}$ 46'22		minimum elong	1107 Apr 01 j 21:34	17° $\mathbb{Y}$ 42'58	0°35'05
evening rise	1106 Apr 24 j 14:34	18° $\mathbb{B}$ 13'08		asc. node	1107 Apr 05 j 06:06	24° $\mathbb{Y}$ 52'13	
	1106 Apr 30 j 10:00	0° $\mathbb{H}$			1107 Apr 07 j 15:50	0° $\mathbb{B}$	
evening max el	1106 May 18 j 16:11	26° $\mathbb{H}$ 44'42	23°50'30	evening rise	1107 Apr 09 j 01:45	2° $\mathbb{B}$ 59'00	
	1106 May 22 j 12:47	0° $\mathbb{B}$			1107 Apr 24 j 03:39	0° $\mathbb{H}$	
desc. node	1106 May 27 j 06:22	2° $\mathbb{B}$ 38'07		evening max el	1107 Apr 30 j 08:26	7° $\mathbb{H}$ 17'39	22°14'58
retrograde	1106 Jun 01 j 10:12	3° $\mathbb{B}$ 38'35		retrograde	1107 May 13 j 05:23	13° $\mathbb{H}$ 38'25	
evening set	1106 Jun 05 j 14:53	2° $\mathbb{B}$ 59'47		desc. node	1107 May 14 j 03:24	13° $\mathbb{H}$ 36'31	
	1106 Jun 11 j 23:14	30° $\mathbb{R}$ $\mathbb{H}$		evening set	1107 May 16 j 02:13	13° $\mathbb{H}$ 20'15	
min. Earth dist.	1106 Jun 12 j 02:58	29° $\mathbb{H}$ 54'26	0.56210 AU	min. Earth dist.	1107 May 24 j 14:54	9° $\mathbb{H}$ 40'47	0.55156 AU
inferior conj	1106 Jun 14 j 10:47	28° $\mathbb{H}$ 29'26	-4°21'59	inferior conj	1107 May 25 j 11:06	9° $\mathbb{H}$ 12'19	-3°05'20
minimum elong	1106 Jun 14 j 04:49	28° $\mathbb{H}$ 38'34	4°20'59	minimum elong	1107 May 25 j 03:38	9° $\mathbb{H}$ 22'50	3°03'10
morning rise	1106 Jun 22 j 21:29	24° $\mathbb{H}$ 31'09		morning rise	1107 Jun 03 j 06:49	5° $\mathbb{H}$ 19'18	
direct	1106 Jun 25 j 14:07	24° $\mathbb{H}$ 12'36		direct	1107 Jun 06 j 05:31	4° $\mathbb{H}$ 59'44	
morning max el	1106 Jul 05 j 14:53	28° $\mathbb{H}$ 51'32	19°56'35	morning max el	1107 Jun 17 j 21:33	10° $\mathbb{H}$ 26'29	21°18'18
	1106 Jul 06 j 18:48	0° $\mathbb{B}$			1107 Jul 01 j 17:21	0° $\mathbb{B}$	
asc. node	1106 Jul 15 j 08:18	11° $\mathbb{B}$ 51'52		asc. node	1107 Jul 02 j 05:20	0° $\mathbb{B}$ 55'46	
morning set	1106 Jul 23 j 14:44	27° $\mathbb{B}$ 32'52		morning set	1107 Jul 07 j 22:52	12° $\mathbb{B}$ 17'53	
	1106 Jul 24 j 19:43	0° $\mathbb{Q}$					
				superior conj	1107 Jul 15 j 08:01	27° $\mathbb{B}$ 43'31	1°41'28
superior conj	1106 Jul 31 j 10:17	13° $\mathbb{Q}$ 24'28	1°46'16	minimum elong	1107 Jul 15 j 06:28	27° $\mathbb{B}$ 35'29	1°41'22
minimum elong	1106 Jul 31 j 10:03	13° $\mathbb{Q}$ 23'18	1°46'16		1107 Jul 16 j 10:28	0° $\mathbb{Q}$	
max. Earth dist.	1106 Aug 05 j 23:51	24° $\mathbb{Q}$ 14'47	1.36990 AU	max. Earth dist.	1107 Jul 19 j 10:51	6° $\mathbb{Q}$ 06'59	1.35278 AU
	1106 Aug 09 j 02:08	0° $\mathbb{M}$		evening rise	1107 Jul 23 j 18:14	14° $\mathbb{Q}$ 30'39	

	1107 Aug 01 j 09:33	0°♎			1108 Jul 07 j 02:27	0°♏	
desc. node	1107 Aug 10 j 02:42	13°♎51'30			1108 Jul 24 j 13:52	0°♎	
	1107 Aug 22 j 02:08	0°♏		desc. node	1108 Jul 26 j 23:44	3°♎29'56	
evening max el	1107 Aug 28 j 03:59	6°♏34'46	26°38'34	evening max el	1108 Aug 09 j 15:47	19°♎59'32	27°15'52
retrograde	1107 Sep 10 j 02:35	13°♏48'33		retrograde	1108 Aug 23 j 01:53	27°♎18'21	
evening set	1107 Sep 16 j 17:03	11°♏06'23		evening set	1108 Aug 30 j 02:38	24°♎33'56	
min. Earth dist.	1107 Sep 20 j 18:08	6°♏56'38	0.65991 AU	min. Earth dist.	1108 Sep 02 j 21:07	21°♎00'30	0.64702 AU
inferior conj	1107 Sep 22 j 11:00	4°♏54'43	-1°55'10	inferior conj	1108 Sep 05 j 02:47	18°♎33'52	-2°51'33
minimum elong	1107 Sep 22 j 14:01	4°♏45'43	1°53'58	minimum elong	1108 Sep 05 j 07:09	18°♎21'55	2°50'03
	1107 Sep 27 j 05:09	30°♎		morning rise	1108 Sep 11 j 12:33	13°♎04'23	
morning rise	1107 Sep 28 j 11:30	29°♎10'35		direct	1108 Sep 14 j 04:23	12°♎27'23	
asc. node	1107 Sep 28 j 04:34	29°♎20'27		asc. node	1108 Sep 14 j 01:35	12°♎27'27	
direct	1107 Oct 01 j 09:52	28°♎22'26		morning max el	1108 Sep 20 j 16:30	15°♎55'32	18°02'28
	1107 Oct 05 j 17:31	0°♏			1108 Sep 30 j 18:09	0°♏	
morning max el	1107 Oct 08 j 01:19	2°♏01'19	18°30'17	morning set	1108 Oct 08 j 09:21	12°♏43'49	
	1107 Oct 27 j 03:02	0°♎			1108 Oct 18 j 19:56	0°♎	
morning set	1107 Oct 28 j 01:32	1°♎30'19					
desc. node	1107 Nov 06 j 02:00	15°♎53'34		superior conj	1108 Oct 22 j 02:22	5°♎16'15	0°05'46
				minimum elong	1108 Oct 22 j 03:03	5°♎19'01	0°05'41
superior conj	1107 Nov 12 j 17:37	26°♎22'52	-0°43'10	behind sun begin	1108 Oct 21 j 17:05	4°♎39'03	
minimum elong	1107 Nov 12 j 12:02	26°♎00'57	0°42'27	behind sun end	1108 Oct 22 j 13:01	5°♎58'56	
max. Earth dist.	1107 Nov 13 j 14:30	27°♎44'58	1.45102 AU	desc. node	1108 Oct 22 j 23:01	6°♎38'55	
	1107 Nov 15 j 00:54	0°♎		max. Earth dist.	1108 Oct 26 j 09:21	12°♎06'07	1.44734 AU
evening rise	1107 Nov 28 j 19:37	21°♎41'41			1108 Nov 06 j 20:31	0°♎	
	1107 Dec 04 j 01:32	0°♏		evening rise	1108 Nov 07 j 11:48	0°♎59'02	
greatest brilliancy	1107 Dec 08 j 05:27	6°♏33'11	-0.8m	greatest brilliancy	1108 Nov 21 j 09:24	22°♎08'30	-0.6m
evening max el	1107 Dec 21 j 08:15	24°♏48'17	19°06'26		1108 Nov 26 j 20:36	0°♏	
asc. node	1107 Dec 25 j 03:51	27°♏52'47		evening max el	1108 Dec 03 j 13:33	8°♏16'36	19°59'14
retrograde	1107 Dec 28 j 07:00	28°♏45'57		retrograde	1108 Dec 11 j 04:34	12°♏44'24	
evening set	1107 Dec 31 j 14:37	27°♏41'57		asc. node	1108 Dec 11 j 00:53	12°♏44'16	
inferior conj	1108 Jan 06 j 05:23	21°♏53'25	3°18'39	evening set	1108 Dec 14 j 20:02	11°♏26'49	
minimum elong	1108 Jan 06 j 02:57	22°♏01'07	3°18'11	inferior conj	1108 Dec 20 j 06:56	5°♏24'32	2°46'57
min. Earth dist.	1108 Jan 07 j 16:46	20°♏01'25	0.65854 AU	minimum elong	1108 Dec 20 j 04:13	5°♏33'34	2°46'12
morning rise	1108 Jan 11 j 15:01	15°♏42'28		min. Earth dist.	1108 Dec 21 j 04:34	4°♏12'15	0.66857 AU
direct	1108 Jan 18 j 01:53	12°♏52'48			1108 Dec 24 j 16:04	30°♎	
morning max el	1108 Jan 30 j 21:45	20°♏26'26	26°27'32	morning rise	1108 Dec 25 j 12:13	29°♎11'25	
desc. node	1108 Feb 02 j 01:12	22°♏41'37		direct	1108 Dec 31 j 09:49	26°♎33'58	
	1108 Feb 08 j 03:47	0°♏			1109 Jan 08 j 05:58	0°♏	
	1108 Feb 28 j 01:13	0°♎		morning max el	1109 Jan 12 j 06:38	3°♏38'15	25°11'33
morning set	1108 Mar 06 j 23:37	14°♎15'13		desc. node	1109 Jan 18 j 22:14	11°♏11'37	
max. Earth dist.	1108 Mar 11 j 02:58	22°♎14'01	1.34893 AU		1109 Feb 01 j 10:44	0°♏	
	1108 Mar 14 j 23:45	0°♎		morning set	1109 Feb 17 j 12:02	26°♏32'07	
					1109 Feb 19 j 09:52	0°♎	
superior conj	1108 Mar 15 j 18:32	1°♎36'16	-1°02'40	max. Earth dist.	1109 Feb 21 j 04:33	3°♎17'21	1.36630 AU
minimum elong	1108 Mar 15 j 21:36	1°♎52'02	1°02'07				
asc. node	1108 Mar 22 j 03:08	14°♎49'52		superior conj	1109 Feb 27 j 08:01	15°♎06'25	-1°27'58
evening rise	1108 Mar 23 j 10:22	17°♎31'45		minimum elong	1109 Feb 27 j 11:59	15°♎26'04	1°27'24
	1108 Mar 29 j 17:48	0°♎			1109 Mar 06 j 17:36	0°♎	
evening max el	1108 Apr 11 j 09:11	18°♎12'58	20°48'22	evening rise	1109 Mar 07 j 14:14	1°♎44'04	
retrograde	1108 Apr 22 j 18:30	23°♎44'33		asc. node	1109 Mar 09 j 00:10	4°♎34'13	
evening set	1108 Apr 24 j 22:19	23°♎33'24		evening max el	1109 Mar 24 j 21:30	29°♎46'04	19°38'31
desc. node	1108 Apr 30 j 00:25	21°♎50'35			1109 Mar 25 j 03:21	0°♎	
inferior conj	1108 May 04 j 04:59	19°♎35'26	-1°12'40	retrograde	1109 Apr 03 j 13:30	4°♎25'26	
minimum elong	1108 May 04 j 01:32	19°♎40'21	1°11'25	evening set	1109 Apr 05 j 15:15	4°♎13'33	
min. Earth dist.	1108 May 05 j 03:29	19°♎03'19	0.55001 AU	inferior conj	1109 Apr 14 j 07:03	0°♎10'04	0°44'24
morning rise	1108 May 13 j 04:18	15°♎28'31		minimum elong	1109 Apr 14 j 08:56	0°♎07'06	0°43'44
direct	1108 May 16 j 15:20	15°♎02'43			1109 Apr 14 j 13:25	30°♎	
morning max el	1108 May 29 j 18:13	21°♎21'13	22°55'07	min. Earth dist.	1109 Apr 16 j 17:50	28°♎37'33	0.55792 AU
	1108 Jun 06 j 04:08	0°♎		desc. node	1109 Apr 16 j 21:25	28°♎32'03	
asc. node	1108 Jun 18 j 02:22	20°♎25'09		morning rise	1109 Apr 23 j 00:00	25°♎32'39	
morning set	1108 Jun 21 j 09:42	27°♎11'51		direct	1109 Apr 27 j 09:01	24°♎49'47	
	1108 Jun 22 j 17:36	0°♏			1109 May 09 j 07:07	0°♎	
				morning max el	1109 May 11 j 09:23	1°♎52'08	24°36'38
superior conj	1108 Jun 28 j 12:36	12°♏23'24	1°30'38		1109 May 30 j 20:37	0°♎	
minimum elong	1108 Jun 28 j 10:19	12°♏11'18	1°30'24	asc. node	1109 Jun 04 j 23:25	10°♎13'10	
max. Earth dist.	1108 Jul 01 j 06:52	18°♏13'26	1.33931 AU	morning set	1109 Jun 05 j 21:36	12°♎09'26	
evening rise	1108 Jul 06 j 06:02	28°♏19'43					

superior conj	1109 Jun 12 j 21:32	27° $\Pi$ 16'12	1°14'58	superior conj	1110 May 28 j 08:45	12° $\Pi$ 14'11	0°55'22
minimum elong	1109 Jun 12 j 19:05	27° $\Pi$ 02'57	1°14'36	minimum elong	1110 May 28 j 06:38	12° $\Pi$ 02'31	0°54'57
	1109 Jun 14 j 03:45	0° $\mathfrak{S}$		max. Earth dist.	1110 May 28 j 21:45	13° $\Pi$ 25'28	1.32423 AU
max. Earth dist.	1109 Jun 14 j 11:26	0° $\mathfrak{S}$ 41'27	1.32981 AU	evening rise	1110 Jun 04 j 08:32	27° $\Pi$ 17'33	
evening rise	1109 Jun 20 j 03:51	12° $\mathfrak{S}$ 38'54			1110 Jun 05 j 16:00	0° $\mathfrak{S}$	
	1109 Jun 29 j 06:33	0° $\Omega$			1110 Jun 22 j 16:31	0° $\Omega$	
desc. node	1109 Jul 13 j 20:44	22° $\Omega$ 30'21		desc. node	1110 Jun 30 j 17:46	10° $\Omega$ 36'08	
	1109 Jul 20 j 02:36	0° $\mathfrak{M}$		evening max el	1110 Jul 05 j 07:24	15° $\Omega$ 25'37	27°01'55
evening max el	1109 Jul 23 j 01:44	3° $\mathfrak{M}$ 00'49	27°25'05	retrograde	1110 Jul 19 j 05:28	22° $\Omega$ 40'48	
retrograde	1109 Aug 05 j 19:15	10° $\mathfrak{M}$ 19'12		evening set	1110 Jul 26 j 05:40	20° $\Omega$ 29'13	
evening set	1109 Aug 13 j 00:16	7° $\mathfrak{M}$ 44'19		min. Earth dist.	1110 Jul 29 j 21:40	17° $\Omega$ 47'32	0.61138 AU
min. Earth dist.	1109 Aug 16 j 14:33	4° $\mathfrak{M}$ 42'08	0.63062 AU	inferior conj	1110 Aug 02 j 02:04	15° $\Omega$ 02'11	-4°26'08
inferior conj	1109 Aug 19 j 08:54	1° $\mathfrak{M}$ 59'15	-3°43'37	minimum elong	1110 Aug 02 j 06:31	14° $\Omega$ 52'28	4°25'22
minimum elong	1109 Aug 19 j 13:59	1° $\mathfrak{M}$ 46'43	3°42'16	morning rise	1110 Aug 09 j 09:05	10° $\Omega$ 11'04	
	1109 Aug 21 j 10:58	30° $\mathfrak{R}$ $\Omega$		direct	1110 Aug 11 j 19:39	9° $\Omega$ 46'56	
morning rise	1109 Aug 26 j 05:00	26° $\Omega$ 47'31		asc. node	1110 Aug 18 j 19:41	13° $\Omega$ 12'34	
direct	1109 Aug 28 j 16:52	26° $\Omega$ 18'21		morning max el	1110 Aug 18 j 22:14	13° $\Omega$ 18'42	18°00'44
asc. node	1109 Aug 31 j 22:37	27° $\Omega$ 08'37			1110 Aug 30 j 05:26	0° $\mathfrak{M}$	
morning max el	1109 Sep 04 j 08:30	29° $\Omega$ 44'07	17°52'16	morning set	1110 Sep 03 j 19:08	8° $\mathfrak{M}$ 21'15	
	1109 Sep 04 j 14:49	0° $\mathfrak{M}$					
morning set	1109 Sep 20 j 17:18	25° $\mathfrak{M}$ 06'58		superior conj	1110 Sep 13 j 22:33	26° $\mathfrak{M}$ 46'05	1°19'15
	1109 Sep 23 j 11:57	0° $\mathfrak{L}$		minimum elong	1110 Sep 14 j 03:01	27° $\mathfrak{M}$ 05'46	1°18'45
					1110 Sep 15 j 18:54	0° $\mathfrak{L}$	
superior conj	1109 Oct 02 j 10:57	15° $\mathfrak{L}$ 21'37	0°48'24	max. Earth dist.	1110 Sep 21 j 12:16	9° $\mathfrak{L}$ 43'26	1.42083 AU
minimum elong	1109 Oct 02 j 15:18	15° $\mathfrak{L}$ 39'50	0°47'50	desc. node	1110 Sep 26 j 17:05	18° $\mathfrak{L}$ 12'22	
max. Earth dist.	1109 Oct 09 j 01:13	26° $\mathfrak{L}$ 10'47	1.43683 AU	evening rise	1110 Sep 27 j 12:07	19° $\mathfrak{L}$ 28'19	
desc. node	1109 Oct 09 j 20:04	27° $\mathfrak{L}$ 26'30			1110 Oct 04 j 06:19	0° $\mathfrak{M}$	
	1109 Oct 11 j 10:29	0° $\mathfrak{M}$			1110 Oct 25 j 14:51	0° $\mathfrak{J}$	
evening rise	1109 Oct 17 j 19:30	9° $\mathfrak{M}$ 59'57		evening max el	1110 Oct 30 j 07:49	5° $\mathfrak{J}$ 17'21	22°21'07
	1109 Oct 31 j 01:47	0° $\mathfrak{J}$		retrograde	1110 Nov 08 j 22:03	10° $\mathfrak{J}$ 59'31	
evening max el	1109 Nov 16 j 13:24	21° $\mathfrak{J}$ 46'16	21°05'22	evening set	1110 Nov 13 j 11:03	9° $\mathfrak{J}$ 09'51	
retrograde	1109 Nov 25 j 02:13	26° $\mathfrak{J}$ 50'03		asc. node	1110 Nov 14 j 18:56	7° $\mathfrak{J}$ 55'38	
asc. node	1109 Nov 27 j 21:53	26° $\mathfrak{J}$ 05'28		inferior conj	1110 Nov 18 j 19:27	2° $\mathfrak{J}$ 50'17	1°20'53
evening set	1109 Nov 29 j 03:25	25° $\mathfrak{J}$ 17'13		minimum elong	1110 Nov 18 j 17:42	2° $\mathfrak{J}$ 56'21	1°20'11
inferior conj	1109 Dec 04 j 12:18	19° $\mathfrak{J}$ 04'29	2°07'06	min. Earth dist.	1110 Nov 18 j 17:51	2° $\mathfrak{J}$ 55'52	0.67750 AU
minimum elong	1109 Dec 04 j 09:51	19° $\mathfrak{J}$ 12'54	2°06'16		1110 Nov 20 j 21:54	30° $\mathfrak{R}$ $\mathfrak{M}$	
min. Earth dist.	1109 Dec 04 j 21:44	18° $\mathfrak{J}$ 31'59	0.67483 AU	morning rise	1110 Nov 24 j 00:12	26° $\mathfrak{M}$ 39'00	
morning rise	1109 Dec 09 j 16:06	12° $\mathfrak{J}$ 51'12		direct	1110 Nov 28 j 15:58	24° $\mathfrak{M}$ 43'12	
direct	1109 Dec 14 j 22:51	10° $\mathfrak{J}$ 32'57			1110 Dec 07 j 19:25	0° $\mathfrak{J}$	
morning max el	1109 Dec 25 j 15:10	16° $\mathfrak{J}$ 55'02	23°44'50	morning max el	1110 Dec 08 j 02:21	0° $\mathfrak{J}$ 17'19	22°17'18
	1110 Jan 05 j 11:35	0° $\mathfrak{Z}$		desc. node	1110 Dec 23 j 16:21	20° $\mathfrak{J}$ 12'02	
desc. node	1110 Jan 05 j 19:18	0° $\mathfrak{Z}$ 26'01			1110 Dec 30 j 08:07	0° $\mathfrak{Z}$	
	1110 Jan 25 j 11:48	0° $\approx$		morning set	1111 Jan 10 j 10:47	17° $\mathfrak{Z}$ 22'12	
morning set	1110 Jan 30 j 01:35	7° $\approx$ 38'43		max. Earth dist.	1111 Jan 15 j 20:18	26° $\mathfrak{Z}$ 17'36	1.40827 AU
max. Earth dist.	1110 Feb 02 j 23:25	14° $\approx$ 25'56	1.38690 AU		1111 Jan 18 j 00:38	0° $\approx$	
superior conj	1110 Feb 10 j 08:36	27° $\approx$ 55'00	-1°48'47	superior conj	1111 Jan 23 j 15:35	9° $\approx$ 50'41	-2°01'38
minimum elong	1110 Feb 10 j 12:29	28° $\approx$ 13'20	1°48'27	minimum elong	1111 Jan 23 j 17:33	9° $\approx$ 59'30	2°01'35
	1110 Feb 11 j 11:01	0° $\mathfrak{H}$		evening rise	1111 Feb 02 j 20:52	28° $\approx$ 40'24	
evening rise	1110 Feb 19 j 10:47	15° $\mathfrak{H}$ 29'23			1111 Feb 03 j 13:52	0° $\mathfrak{H}$	
asc. node	1110 Feb 23 j 21:13	24° $\mathfrak{H}$ 00'09		asc. node	1111 Feb 10 j 18:16	13° $\mathfrak{H}$ 01'33	
	1110 Feb 27 j 05:04	0° $\mathfrak{Y}$		evening max el	1111 Feb 19 j 03:04	24° $\mathfrak{H}$ 39'44	18°17'57
evening max el	1110 Mar 07 j 20:25	11° $\mathfrak{Y}$ 57'24	18°48'13	retrograde	1111 Feb 26 j 06:30	28° $\mathfrak{H}$ 13'00	
retrograde	1110 Mar 16 j 00:29	15° $\mathfrak{Y}$ 55'23		evening set	1111 Feb 28 j 18:56	27° $\mathfrak{H}$ 47'33	
evening set	1110 Mar 18 j 07:10	15° $\mathfrak{Y}$ 38'05		inferior conj	1111 Mar 07 j 21:29	23° $\mathfrak{H}$ 06'52	3°14'44
inferior conj	1110 Mar 26 j 03:38	11° $\mathfrak{Y}$ 18'14	2°16'50	minimum elong	1111 Mar 08 j 00:47	22° $\mathfrak{H}$ 59'47	3°14'10
minimum elong	1110 Mar 26 j 07:46	11° $\mathfrak{Y}$ 10'39	2°15'41	min. Earth dist.	1111 Mar 11 j 07:35	20° $\mathfrak{H}$ 12'35	0.59398 AU
min. Earth dist.	1110 Mar 29 j 10:34	8° $\mathfrak{Y}$ 54'45	0.57369 AU	morning rise	1111 Mar 15 j 04:16	17° $\mathfrak{H}$ 30'17	
morning rise	1110 Apr 03 j 05:17	6° $\mathfrak{Y}$ 07'34		direct	1111 Mar 21 j 13:21	15° $\mathfrak{H}$ 40'09	
desc. node	1110 Apr 03 j 18:28	5° $\mathfrak{Y}$ 53'51		desc. node	1111 Mar 21 j 15:32	15° $\mathfrak{H}$ 40'10	
direct	1110 Apr 08 j 16:43	4° $\mathfrak{Y}$ 54'26		morning max el	1111 Apr 04 j 21:07	23° $\mathfrak{H}$ 25'12	27°14'32
morning max el	1110 Apr 23 j 00:46	12° $\mathfrak{Y}$ 24'43	26°08'01		1111 Apr 10 j 18:50	0° $\mathfrak{Y}$	
	1110 May 06 j 17:54	0° $\mathfrak{Z}$			1111 Apr 29 j 19:23	0° $\mathfrak{Z}$	
morning set	1110 May 21 j 08:52	27° $\mathfrak{Z}$ 04'20		morning set	1111 May 05 j 17:52	11° $\mathfrak{Z}$ 51'02	
asc. node	1110 May 22 j 20:28	0° $\Pi$ 13'22		asc. node	1111 May 09 j 17:33	20° $\mathfrak{Z}$ 20'59	
	1110 May 22 j 17:58	0° $\Pi$					
				superior conj	1111 May 12 j 20:32	27° $\mathfrak{Z}$ 11'17	0°32'33

minimum elong	1111 May 12 j 19:08	27°♄03'36	0°32'15	asc. node	1112 Apr 25 j 14:36	10°♄31'02	
max. Earth dist.	1111 May 12 j 10:20	26°♄15'15	1.32247 AU				
	1111 May 14 j 03:13	0°♄		superior conj	1112 Apr 26 j 07:07	12°♄01'01	0°07'17
evening rise	1111 May 19 j 17:38	12°♄07'30		minimum elong	1112 Apr 26 j 06:46	11°♄59'10	0°07'13
	1111 May 28 j 20:18	0°♄		behind sun begin	1112 Apr 26 j 02:12	11°♄34'13	
evening max el	1111 Jun 17 j 06:31	27°♄04'54	26°06'08	behind sun end	1112 Apr 26 j 11:21	12°♄24'08	
desc. node	1111 Jun 17 j 14:47	27°♄24'25		evening rise	1112 May 03 j 05:00	27°♄00'47	
	1111 Jun 20 j 15:59	0°♄			1112 May 04 j 15:07	0°♄	
retrograde	1111 Jul 01 j 06:50	4°♄16'10			1112 May 21 j 23:40	0°♄	
evening set	1111 Jul 07 j 14:08	2°♄39'30		evening max el	1112 May 28 j 22:49	8°♄00'04	24°44'14
	1111 Jul 11 j 20:23	30°♄		desc. node	1112 Jun 03 j 11:48	12°♄24'06	
min. Earth dist.	1111 Jul 11 j 19:12	0°♄02'09	0.59081 AU	retrograde	1112 Jun 11 j 21:32	15°♄04'09	
inferior conj	1111 Jul 15 j 02:39	27°♄32'54	-4°50'32	evening set	1112 Jun 16 j 23:05	14°♄06'03	
minimum elong	1111 Jul 15 j 04:18	27°♄29'46	4°50'27	min. Earth dist.	1112 Jun 22 j 10:04	11°♄15'11	0.57138 AU
morning rise	1111 Jul 22 j 20:40	23°♄04'27		inferior conj	1112 Jun 25 j 07:35	9°♄21'51	-4°44'31
direct	1111 Jul 25 j 08:27	22°♄43'23		minimum elong	1112 Jun 25 j 04:21	9°♄27'09	4°44'15
morning max el	1111 Aug 02 j 06:35	26°♄30'56	18°29'10	morning rise	1112 Jul 03 j 12:22	5°♄14'56	
	1111 Aug 05 j 09:15	0°♄		direct	1112 Jul 06 j 02:57	4°♄55'48	
asc. node	1111 Aug 05 j 16:45	0°♄24'19		morning max el	1112 Jul 15 j 06:34	9°♄11'35	19°18'44
morning set	1111 Aug 18 j 09:46	22°♄12'48		asc. node	1112 Jul 22 j 13:49	18°♄29'07	
	1111 Aug 22 j 10:51	0°♄			1112 Jul 29 j 01:38	0°♄	
				morning set	1112 Aug 01 j 09:22	6°♄31'10	
superior conj	1111 Aug 27 j 09:11	9°♄18'53	1°37'47				
minimum elong	1111 Aug 27 j 11:58	9°♄31'48	1°37'36	superior conj	1112 Aug 09 j 13:10	22°♄44'13	1°45'43
max. Earth dist.	1111 Sep 03 j 18:29	22°♄35'23	1.40138 AU	minimum elong	1112 Aug 09 j 13:57	22°♄48'00	1°45'42
evening rise	1111 Sep 08 j 02:12	29°♄56'35			1112 Aug 13 j 08:10	0°♄	
	1111 Sep 08 j 03:01	0°♄		max. Earth dist.	1112 Aug 15 j 22:04	4°♄47'15	1.38095 AU
desc. node	1111 Sep 13 j 14:06	8°♄53'08		evening rise	1112 Aug 19 j 16:40	11°♄33'37	
	1111 Sep 27 j 17:16	0°♄		desc. node	1112 Aug 30 j 11:07	29°♄24'46	
evening max el	1111 Oct 12 j 22:00	18°♄50'58	23°41'06		1112 Aug 30 j 20:09	0°♄	
retrograde	1111 Oct 23 j 14:48	25°♄09'33			1112 Sep 22 j 00:46	0°♄	
evening set	1111 Oct 28 j 17:15	23°♄02'17		evening max el	1112 Sep 24 j 09:58	2°♄27'59	24°58'48
asc. node	1111 Nov 01 j 16:00	18°♄36'28		retrograde	1112 Oct 06 j 03:32	9°♄16'38	
min. Earth dist.	1111 Nov 02 j 14:24	17°♄21'00	0.67685 AU	evening set	1112 Oct 11 j 20:21	6°♄52'41	
inferior conj	1111 Nov 03 j 02:34	16°♄39'31	0°29'40	min. Earth dist.	1112 Oct 16 j 09:07	1°♄45'45	0.67290 AU
minimum elong	1111 Nov 03 j 01:52	16°♄41'55	0°29'22	inferior conj	1112 Oct 17 j 07:55	0°♄30'44	-0°25'07
morning rise	1111 Nov 08 j 10:27	10°♄32'32		minimum elong	1112 Oct 17 j 08:33	0°♄28'40	0°24'51
direct	1111 Nov 12 j 12:10	8°♄59'17			1112 Oct 17 j 17:17	30°♄	
morning max el	1111 Nov 20 j 19:44	13°♄49'02	20°56'36	asc. node	1112 Oct 18 j 13:02	28°♄56'10	
	1111 Dec 03 j 12:04	0°♄		morning rise	1112 Oct 22 j 20:53	24°♄30'24	
desc. node	1111 Dec 10 j 13:23	10°♄20'15		direct	1112 Oct 26 j 10:12	23°♄17'32	
morning set	1111 Dec 20 j 17:03	25°♄51'37		morning max el	1112 Nov 02 j 20:57	27°♄32'04	19°47'54
	1111 Dec 23 j 08:16	0°♄			1112 Nov 05 j 03:04	0°♄	
max. Earth dist.	1111 Dec 29 j 00:31	9°♄06'22	1.42744 AU		1112 Nov 25 j 22:47	0°♄	
				desc. node	1112 Nov 26 j 10:24	0°♄44'43	
superior conj	1112 Jan 04 j 23:28	20°♄39'25	-2°01'59	morning set	1112 Nov 28 j 13:25	4°♄01'26	
minimum elong	1112 Jan 04 j 21:09	20°♄29'36	2°01'55	max. Earth dist.	1112 Dec 10 j 11:56	22°♄42'55	1.44184 AU
	1112 Jan 10 j 09:43	0°♄					
evening rise	1112 Jan 16 j 16:30	11°♄07'46		superior conj	1112 Dec 15 j 04:45	0°♄15'12	-1°45'09
	1112 Jan 27 j 15:35	0°♄		minimum elong	1112 Dec 14 j 21:25	29°♄45'34	1°44'35
asc. node	1112 Jan 28 j 15:19	1°♄29'41			1112 Dec 15 j 00:59	0°♄	
evening max el	1112 Feb 02 j 14:07	7°♄43'00	18°07'26	evening rise	1112 Dec 28 j 17:23	22°♄43'40	
retrograde	1112 Feb 09 j 04:35	11°♄07'23			1113 Jan 01 j 24:00	0°♄	
evening set	1112 Feb 11 j 21:57	10°♄32'29		asc. node	1113 Jan 14 j 12:21	19°♄14'38	
inferior conj	1112 Feb 18 j 10:11	5°♄30'39	3°41'55	evening max el	1113 Jan 16 j 02:39	20°♄59'51	18°16'07
minimum elong	1112 Feb 18 j 11:26	5°♄27'34	3°41'50	retrograde	1113 Jan 22 j 14:02	24°♄28'41	
min. Earth dist.	1112 Feb 21 j 11:46	2°♄30'23	0.61522 AU	evening set	1113 Jan 25 j 12:14	23°♄43'27	
	1112 Feb 24 j 10:39	30°♄		inferior conj	1113 Jan 31 j 13:47	18°♄21'58	3°45'38
morning rise	1112 Feb 24 j 23:26	29°♄37'10		minimum elong	1113 Jan 31 j 13:06	18°♄23'52	3°45'36
direct	1112 Mar 02 j 20:22	27°♄13'40		min. Earth dist.	1113 Feb 03 j 01:20	15°♄37'29	0.63475 AU
desc. node	1112 Mar 07 j 12:35	28°♄13'36		morning rise	1113 Feb 06 j 13:11	12°♄18'31	
	1112 Mar 10 j 20:09	0°♄		direct	1113 Feb 13 j 12:03	9°♄33'14	
morning max el	1112 Mar 16 j 23:55	5°♄06'23	27°46'28	desc. node	1113 Feb 22 j 09:37	13°♄09'04	
	1112 Apr 04 j 14:54	0°♄		morning max el	1113 Feb 27 j 07:35	17°♄27'09	27°41'08
morning set	1112 Apr 18 j 22:38	26°♄22'21			1113 Mar 09 j 19:16	0°♄	
	1112 Apr 20 j 16:41	0°♄			1113 Mar 28 j 09:43	0°♄	
max. Earth dist.	1112 Apr 24 j 21:13	8°♄56'33	1.32447 AU	morning set	1113 Apr 02 j 20:50	10°♄30'49	

max. Earth dist.	1113 Apr 08 j 02:17	21° $\Upsilon$ 15'47	1.33046 AU	max. Earth dist.	1114 Mar 21 j 21:43	3° $\Upsilon$ 02'37	1.34082 AU
superior conj	1113 Apr 10 j 14:45	26° $\Upsilon$ 37'50	-0°19'39	superior conj	1114 Mar 25 j 17:26	10° $\Upsilon$ 55'33	-0°47'08
minimum elong	1113 Apr 10 j 15:42	26° $\Upsilon$ 42'58	0°19'26	minimum elong	1114 Mar 25 j 19:46	11° $\Upsilon$ 07'45	0°46'40
asc. node	1113 Apr 12 j 11:39	0° $\mathcal{B}$ 39'40		asc. node	1114 Mar 30 j 08:41	20° $\Upsilon$ 42'53	
	1113 Apr 12 j 04:18	0° $\mathcal{B}$		evening rise	1114 Apr 02 j 03:05	26° $\Upsilon$ 32'21	
evening rise	1113 Apr 17 j 16:45	11° $\mathcal{B}$ 51'04			1114 Apr 03 j 19:15	0° $\mathcal{B}$	
	1113 Apr 26 j 23:57	0° $\Pi$		evening max el	1114 Apr 22 j 08:11	29° $\mathcal{B}$ 12'28	21°36'30
evening max el	1113 May 10 j 12:50	18° $\Pi$ 31'50	23°09'22		1114 Apr 23 j 04:29	0° $\Pi$	
desc. node	1113 May 21 j 08:50	24° $\Pi$ 59'07		retrograde	1114 May 04 j 15:47	5° $\Pi$ 13'43	
retrograde	1113 May 24 j 00:06	25° $\Pi$ 14'57		evening set	1114 May 07 j 02:54	5° $\Pi$ 00'00	
evening set	1113 May 27 j 13:57	24° $\Pi$ 46'51		desc. node	1114 May 08 j 05:52	4° $\Pi$ 45'06	
min. Earth dist.	1113 Jun 03 j 22:24	21° $\Pi$ 28'23	0.55657 AU	inferior conj	1114 May 16 j 12:50	0° $\Pi$ 58'29	-2°20'24
inferior conj	1113 Jun 05 j 16:49	20° $\Pi$ 26'24	-3°55'08	minimum elong	1114 May 16 j 06:32	1° $\Pi$ 07'19	2°18'19
minimum elong	1113 Jun 05 j 09:32	20° $\Pi$ 37'05	3°53'29	min. Earth dist.	1114 May 16 j 10:54	1° $\Pi$ 01'13	0.54965 AU
morning rise	1113 Jun 14 j 07:43	16° $\Pi$ 32'38			1114 May 18 j 06:56	30° $\mathcal{R}$ $\mathcal{B}$	
direct	1113 Jun 17 j 02:15	16° $\Pi$ 14'13		morning rise	1114 May 25 j 10:59	27° $\mathcal{B}$ 01'37	
morning max el	1113 Jun 27 j 19:54	21° $\Pi$ 12'20	20°29'16	direct	1114 May 28 j 13:44	26° $\mathcal{B}$ 40'20	
	1113 Jul 05 j 01:11	0° $\mathcal{E}$			1114 Jun 06 j 20:58	0° $\Pi$	
asc. node	1113 Jul 09 j 10:51	7° $\mathcal{E}$ 14'26		morning max el	1114 Jun 09 j 22:06	2° $\Pi$ 30'11	21°58'08
morning set	1113 Jul 16 j 14:59	21° $\mathcal{E}$ 08'04		asc. node	1114 Jun 26 j 07:54	26° $\Pi$ 30'36	
	1113 Jul 20 j 22:09	0° $\Omega$			1114 Jun 28 j 02:29	0° $\mathcal{E}$	
				morning set	1114 Jul 01 j 00:29	5° $\mathcal{E}$ 57'48	
superior conj	1113 Jul 24 j 05:33	6° $\Omega$ 47'04	1°45'03	superior conj	1114 Jul 08 j 06:33	21° $\mathcal{E}$ 16'33	1°37'32
minimum elong	1113 Jul 24 j 04:41	6° $\Omega$ 42'41	1°45'02	minimum elong	1114 Jul 08 j 04:38	21° $\mathcal{E}$ 06'26	1°37'23
max. Earth dist.	1113 Jul 29 j 04:18	16° $\Omega$ 37'00	1.36209 AU	max. Earth dist.	1114 Jul 11 j 18:48	28° $\mathcal{E}$ 33'00	1.34653 AU
evening rise	1113 Aug 02 j 04:25	24° $\Omega$ 11'55			1114 Jul 12 j 11:56	0° $\Omega$	
	1113 Aug 05 j 09:16	0° $\mathcal{H}$		evening rise	1114 Jul 16 j 08:50	7° $\Omega$ 39'38	
desc. node	1113 Aug 17 j 08:08	19° $\mathcal{H}$ 41'34			1114 Jul 28 j 23:23	0° $\mathcal{H}$	
	1113 Aug 24 j 10:42	0° $\mathcal{L}$		desc. node	1114 Aug 04 j 05:10	9° $\mathcal{H}$ 36'48	
evening max el	1113 Sep 06 j 21:39	16° $\mathcal{L}$ 06'09	26°06'54	evening max el	1114 Aug 20 j 09:50	29° $\mathcal{H}$ 39'37	26°57'35
retrograde	1113 Sep 19 j 11:36	23° $\mathcal{L}$ 14'34			1114 Aug 20 j 18:24	0° $\mathcal{L}$	
evening set	1113 Sep 25 j 18:30	20° $\mathcal{L}$ 37'22		retrograde	1114 Sep 02 j 14:16	6° $\mathcal{L}$ 56'48	
min. Earth dist.	1113 Sep 29 j 23:38	16° $\mathcal{L}$ 06'23	0.66558 AU	evening set	1114 Sep 09 j 09:26	4° $\mathcal{L}$ 12'42	
inferior conj	1113 Oct 01 j 09:40	14° $\mathcal{L}$ 20'28	-1°22'05	min. Earth dist.	1114 Sep 13 j 07:37	0° $\mathcal{L}$ 18'22	0.65481 AU
minimum elong	1113 Oct 01 j 11:48	14° $\mathcal{L}$ 13'50	1°21'12		1114 Sep 13 j 14:05	30° $\mathcal{R}$ $\mathcal{H}$	
asc. node	1113 Oct 05 j 10:04	9° $\mathcal{L}$ 51'03		inferior conj	1114 Sep 15 j 05:46	28° $\mathcal{H}$ 05'15	-2°19'23
morning rise	1113 Oct 07 j 05:29	8° $\mathcal{L}$ 29'32		minimum elong	1114 Sep 15 j 09:24	27° $\mathcal{H}$ 54'47	2°18'01
direct	1113 Oct 10 j 08:33	7° $\mathcal{L}$ 33'32		morning rise	1114 Sep 21 j 10:02	22° $\mathcal{H}$ 26'42	
morning max el	1113 Oct 17 j 05:14	11° $\mathcal{L}$ 23'02	18°53'58	asc. node	1114 Sep 22 j 07:05	22° $\mathcal{H}$ 04'07	
	1113 Oct 30 j 17:12	0° $\mathcal{M}$		direct	1114 Sep 24 j 05:14	21° $\mathcal{H}$ 43'47	
morning set	1113 Nov 08 j 00:39	13° $\mathcal{M}$ 01'51		morning max el	1114 Sep 30 j 18:34	25° $\mathcal{H}$ 17'25	18°16'18
desc. node	1113 Nov 13 j 07:24	21° $\mathcal{M}$ 20'09			1114 Oct 04 j 17:16	0° $\mathcal{L}$	
	1113 Nov 18 j 19:52	0° $\mathcal{X}$		morning set	1114 Oct 19 j 16:09	23° $\mathcal{L}$ 27'44	
max. Earth dist.	1113 Nov 23 j 04:18	6° $\mathcal{X}$ 50'03	1.44975 AU		1114 Oct 23 j 16:27	0° $\mathcal{M}$	
				desc. node	1114 Oct 31 j 04:26	12° $\mathcal{M}$ 02'55	
superior conj	1113 Nov 24 j 11:44	8° $\mathcal{X}$ 53'45	-1°09'47	superior conj	1114 Nov 03 j 13:27	17° $\mathcal{M}$ 24'02	-0°22'19
minimum elong	1113 Nov 24 j 03:37	8° $\mathcal{X}$ 21'48	1°08'51	minimum elong	1114 Nov 03 j 10:33	17° $\mathcal{M}$ 12'35	0°21'54
	1113 Dec 07 j 17:47	0° $\mathcal{Z}$		max. Earth dist.	1114 Nov 05 j 23:06	21° $\mathcal{M}$ 11'18	1.45037 AU
evening rise	1113 Dec 09 j 19:39	3° $\mathcal{Z}$ 21'31			1114 Nov 11 j 13:59	0° $\mathcal{X}$	
	1113 Dec 26 j 21:22	0° $\approx$		evening rise	1114 Nov 19 j 22:43	13° $\mathcal{X}$ 03'46	
evening max el	1113 Dec 30 j 14:04	4° $\approx$ 24'21	18°43'09		1114 Nov 30 j 20:25	0° $\mathcal{Z}$	
asc. node	1114 Jan 01 j 09:22	6° $\approx$ 03'48		greatest brilliancy	1114 Dec 01 j 13:08	1° $\mathcal{Z}$ 03'48	-0.7m
retrograde	1114 Jan 06 j 06:38	8° $\approx$ 08'42		evening max el	1114 Dec 13 j 22:11	17° $\mathcal{Z}$ 52'39	19°27'08
evening set	1114 Jan 09 j 10:24	7° $\approx$ 12'03		asc. node	1114 Dec 19 j 06:23	21° $\mathcal{Z}$ 42'48	
inferior conj	1114 Jan 15 j 04:23	1° $\approx$ 32'56	3°32'15	retrograde	1114 Dec 21 j 03:04	22° $\mathcal{Z}$ 01'55	
minimum elong	1114 Jan 15 j 02:24	1° $\approx$ 38'59	3°31'58	evening set	1114 Dec 24 j 13:49	20° $\mathcal{Z}$ 52'24	
	1114 Jan 16 j 10:54	30° $\mathcal{R}$ $\mathcal{Z}$		inferior conj	1114 Dec 30 j 02:43	14° $\mathcal{Z}$ 57'56	3°06'18
min. Earth dist.	1114 Jan 17 j 00:31	29° $\mathcal{Z}$ 19'05	0.65100 AU	minimum elong	1114 Dec 30 j 00:06	15° $\mathcal{Z}$ 06'27	3°05'42
morning rise	1114 Jan 20 j 17:58	25° $\mathcal{Z}$ 23'54		min. Earth dist.	1114 Dec 31 j 08:08	13° $\mathcal{Z}$ 22'27	0.66335 AU
direct	1114 Jan 27 j 10:56	22° $\mathcal{Z}$ 31'36		morning rise	1115 Jan 04 j 10:08	8° $\mathcal{Z}$ 45'56	
desc. node	1114 Feb 09 j 06:38	29° $\mathcal{Z}$ 50'26		direct	1115 Jan 10 j 15:51	6° $\mathcal{Z}$ 00'05	
	1114 Feb 09 j 10:30	0° $\approx$		morning max el	1115 Jan 23 j 02:27	13° $\mathcal{Z}$ 22'44	25°57'03
morning max el	1114 Feb 09 j 17:12	0° $\approx$ 16'43	27°02'11	desc. node	1115 Jan 27 j 03:39	17° $\mathcal{Z}$ 47'31	
	1114 Mar 03 j 18:33	0° $\mathcal{H}$			1115 Feb 05 j 14:10	0° $\approx$	
morning set	1114 Mar 17 j 09:23	24° $\mathcal{H}$ 06'44					
	1114 Mar 20 j 09:25	0° $\Upsilon$					



	1115 Feb 24 j 11:54	0° $\text{H}$		morning set	1116 Feb 10 j 11:39	18° $\approx$ 46'14	
morning set	1115 Feb 28 j 08:07	6° $\text{H}$ 56'45		max. Earth dist.	1116 Feb 14 j 03:37	25° $\approx$ 19'58	1.37486 AU
max. Earth dist.	1115 Mar 04 j 05:21	14° $\text{H}$ 16'41	1.35583 AU		1116 Feb 16 j 16:18	0° $\text{H}$	
superior conj	1115 Mar 09 j 12:39	24° $\text{H}$ 45'55	-1°13'46	superior conj	1116 Feb 20 j 21:14	8° $\text{H}$ 00'31	-1°37'30
minimum elong	1115 Mar 09 j 16:11	25° $\text{H}$ 03'47	1°13'11	minimum elong	1116 Feb 21 j 01:20	8° $\text{H}$ 20'25	1°37'02
	1115 Mar 12 j 02:16	0° $\text{Y}$		evening rise	1116 Feb 29 j 11:09	25° $\text{H}$ 00'00	
evening rise	1115 Mar 17 j 09:58	10° $\text{Y}$ 57'25		asc. node	1116 Mar 03 j 02:46	0° $\text{Y}$ 13'19	
asc. node	1115 Mar 17 j 05:43	10° $\text{Y}$ 35'38			1116 Mar 03 j 00:02	0° $\text{Y}$	
	1115 Mar 27 j 13:52	0° $\text{B}$		evening max el	1116 Mar 17 j 07:03	22° $\text{Y}$ 13'58	19°14'34
evening max el	1115 Apr 04 j 13:56	10° $\text{B}$ 23'52	20°16'24	retrograde	1116 Mar 26 j 06:24	26° $\text{Y}$ 33'55	
retrograde	1115 Apr 15 j 05:21	15° $\text{B}$ 31'57		evening set	1116 Mar 28 j 10:02	26° $\text{Y}$ 20'03	
evening set	1115 Apr 17 j 07:03	15° $\text{B}$ 21'08		inferior conj	1116 Apr 05 j 17:40	22° $\text{Y}$ 10'05	1°27'38
desc. node	1115 Apr 25 j 02:53	12° $\text{B}$ 06'14		minimum elong	1116 Apr 05 j 20:58	22° $\text{Y}$ 04'33	1°26'33
inferior conj	1115 Apr 26 j 08:31	11° $\text{B}$ 22'56	-0°21'27	min. Earth dist.	1116 Apr 08 j 15:03	20° $\text{Y}$ 14'25	0.56393 AU
minimum elong	1115 Apr 26 j 07:31	11° $\text{B}$ 24'25	0°21'05	desc. node	1116 Apr 10 j 23:54	18° $\text{Y}$ 48'18	
min. Earth dist.	1115 Apr 28 j 00:10	10° $\text{B}$ 24'35	0.55230 AU	morning rise	1116 Apr 14 j 05:00	17° $\text{Y}$ 18'25	
morning rise	1115 May 05 j 06:26	7° $\text{B}$ 04'32		direct	1116 Apr 19 j 01:15	16° $\text{Y}$ 24'19	
direct	1115 May 09 j 02:07	6° $\text{B}$ 32'49		morning max el	1116 May 03 j 06:04	23° $\text{Y}$ 39'28	25°17'40
morning max el	1115 May 22 j 15:33	13° $\text{B}$ 11'29	23°38'28		1116 May 08 j 23:34	0° $\text{B}$	
	1115 Jun 04 j 12:15	0° $\text{II}$			1116 May 27 j 03:55	0° $\text{II}$	
asc. node	1115 Jun 13 j 04:57	16° $\text{II}$ 08'47		morning set	1116 May 29 j 23:50	5° $\text{II}$ 51'07	
morning set	1115 Jun 15 j 11:59	20° $\text{II}$ 53'54		asc. node	1116 May 30 j 02:01	6° $\text{II}$ 02'40	
	1115 Jun 19 j 18:05	0° $\text{E}$					
superior conj	1115 Jun 22 j 13:15	6° $\text{E}$ 02'36	1°24'32	superior conj	1116 Jun 05 j 23:24	20° $\text{II}$ 58'08	1°07'05
minimum elong	1115 Jun 22 j 10:51	5° $\text{E}$ 49'39	1°24'13	minimum elong	1116 Jun 05 j 21:02	20° $\text{II}$ 45'15	1°06'41
max. Earth dist.	1115 Jun 24 j 18:52	10° $\text{E}$ 49'17	1.33484 AU	max. Earth dist.	1116 Jun 07 j 02:30	23° $\text{II}$ 26'00	1.32704 AU
evening rise	1115 Jun 30 j 01:21	21° $\text{E}$ 42'58			1116 Jun 10 j 03:36	0° $\text{E}$	
	1115 Jul 04 j 07:35	0° $\text{O}$		evening rise	1116 Jun 13 j 02:27	6° $\text{E}$ 11'18	
desc. node	1115 Jul 22 j 02:13	29° $\text{O}$ 00'30			1116 Jun 25 j 21:07	0° $\text{O}$	
	1115 Jul 22 j 19:36	0° $\text{M}$		desc. node	1116 Jul 07 j 23:14	17° $\text{O}$ 39'41	
evening max el	1115 Aug 02 j 21:21	12° $\text{M}$ 56'34	27°23'37	evening max el	1116 Jul 15 j 05:48	25° $\text{O}$ 43'25	27°19'14
retrograde	1115 Aug 16 j 10:57	20° $\text{M}$ 14'52			1116 Jul 20 j 12:23	0° $\text{M}$	
evening set	1115 Aug 23 j 14:21	17° $\text{M}$ 33'19		retrograde	1116 Jul 29 j 01:05	2° $\text{M}$ 59'53	
min. Earth dist.	1115 Aug 27 j 06:48	14° $\text{M}$ 13'49	0.64045 AU	evening set	1116 Aug 05 j 05:36	0° $\text{M}$ 33'08	
inferior conj	1115 Aug 29 j 17:48	11° $\text{M}$ 39'21	-3°14'27		1116 Aug 06 j 00:27	30° $\text{R}$ 0	
minimum elong	1115 Aug 29 j 22:35	11° $\text{M}$ 26'48	3°12'57	min. Earth dist.	1116 Aug 08 j 19:36	27° $\text{O}$ 41'37	0.62276 AU
morning rise	1115 Sep 05 j 07:49	6° $\text{M}$ 16'44		inferior conj	1116 Aug 11 j 18:48	24° $\text{O}$ 55'48	-4°03'16
direct	1115 Sep 07 j 21:44	5° $\text{M}$ 43'18		minimum elong	1116 Aug 11 j 23:51	24° $\text{O}$ 44'01	4°02'07
asc. node	1115 Sep 09 j 04:07	5° $\text{M}$ 51'28		morning rise	1116 Aug 18 j 19:31	19° $\text{O}$ 52'35	
morning max el	1115 Sep 14 j 10:23	9° $\text{M}$ 09'24	17°55'54	direct	1116 Aug 21 j 06:39	19° $\text{O}$ 25'44	
	1115 Sep 28 j 09:52	0° $\text{A}$		asc. node	1116 Aug 26 j 01:12	21° $\text{O}$ 09'16	
morning set	1115 Oct 01 j 11:01	5° $\text{A}$ 13'22		morning max el	1116 Aug 28 j 01:46	22° $\text{O}$ 52'35	17°53'34
					1116 Sep 02 j 15:41	0° $\text{M}$	
superior conj	1115 Oct 14 j 07:03	26° $\text{A}$ 44'17	0°25'06	morning set	1116 Sep 13 j 03:15	17° $\text{M}$ 59'53	
minimum elong	1115 Oct 14 j 09:47	26° $\text{A}$ 55'27	0°24'44		1116 Sep 19 j 20:51	0° $\text{A}$	
	1115 Oct 16 j 07:19	0° $\text{M}$		superior conj	1116 Sep 24 j 03:17	7° $\text{A}$ 23'32	1°03'04
desc. node	1115 Oct 18 j 01:29	2° $\text{M}$ 49'36		minimum elong	1116 Sep 24 j 08:02	7° $\text{A}$ 43'49	1°02'28
max. Earth dist.	1115 Oct 19 j 17:22	5° $\text{M}$ 28'50	1.44366 AU	max. Earth dist.	1116 Oct 01 j 07:49	19° $\text{A}$ 23'06	1.43054 AU
evening rise	1115 Oct 30 j 09:21	22° $\text{M}$ 09'33		desc. node	1116 Oct 03 j 22:31	23° $\text{A}$ 36'34	
	1115 Nov 04 j 12:19	0° $\text{J}$			1116 Oct 07 j 23:12	0° $\text{M}$	
	1115 Nov 25 j 18:42	0° $\text{B}$		evening rise	1116 Oct 08 j 18:42	1° $\text{M}$ 16'17	
evening max el	1115 Nov 27 j 01:23	1° $\text{B}$ 22'25	20°25'58		1116 Oct 28 j 02:24	0° $\text{J}$	
retrograde	1115 Dec 05 j 00:51	6° $\text{B}$ 04'28		evening max el	1116 Nov 08 j 22:46	14° $\text{J}$ 52'00	21°36'43
asc. node	1115 Dec 06 j 03:24	5° $\text{B}$ 57'34		retrograde	1116 Nov 17 j 21:58	20° $\text{J}$ 12'08	
evening set	1115 Dec 08 j 20:19	4° $\text{B}$ 40'26		evening set	1116 Nov 22 j 04:02	18° $\text{J}$ 32'03	
	1115 Dec 13 j 04:23	30° $\text{R}$ 0		asc. node	1116 Nov 22 j 00:27	18° $\text{J}$ 39'02	
inferior conj	1115 Dec 14 j 06:10	28° $\text{J}$ 33'24	2°30'56	inferior conj	1116 Nov 27 j 12:30	12° $\text{J}$ 15'48	1°48'11
minimum elong	1115 Dec 14 j 03:30	28° $\text{J}$ 42'24	2°30'07	minimum elong	1116 Nov 27 j 10:18	12° $\text{J}$ 23'24	1°47'23
min. Earth dist.	1115 Dec 14 j 22:24	27° $\text{J}$ 38'21	0.67171 AU	min. Earth dist.	1116 Nov 27 j 17:02	12° $\text{J}$ 00'06	0.67633 AU
morning rise	1115 Dec 19 j 10:31	22° $\text{J}$ 20'16		morning rise	1116 Dec 02 j 16:26	6° $\text{J}$ 03'15	
direct	1115 Dec 25 j 01:58	19° $\text{J}$ 50'26		direct	1116 Dec 07 j 16:40	3° $\text{J}$ 54'39	
morning max el	1116 Jan 05 j 10:53	26° $\text{J}$ 37'11	24°35'27	morning max el	1116 Dec 17 j 20:17	9° $\text{J}$ 56'25	23°07'20
	1116 Jan 08 j 14:14	0° $\text{B}$		desc. node	1116 Dec 30 j 21:44	26° $\text{J}$ 07'20	
desc. node	1116 Jan 14 j 00:41	6° $\text{B}$ 38'31			1117 Jan 02 j 15:38	0° $\text{B}$	
	1116 Jan 30 j 04:52	0° $\approx$		morning set	1117 Jan 21 j 13:39	29° $\text{B}$ 18'28	

	1117 Jan 21 j 23:36	0°♊				1117 Dec 27 j 01:08	0°♊	
max. Earth dist.	1117 Jan 25 j 22:52	6°♊45'16	1.39608 AU	morning set		1118 Jan 01 j 10:25	8°♊26'52	
				max. Earth dist.		1118 Jan 07 j 21:59	18°♊58'35	1.41681 AU
superior conj	1117 Feb 02 j 14:57	20°♊27'52	-1°55'27			1118 Jan 14 j 10:03	0°♊	
minimum elong	1117 Feb 02 j 18:18	20°♊43'19	1°55'15					
	1117 Feb 07 j 16:52	0°♋		superior conj		1118 Jan 15 j 12:41	1°♊55'52	-2°03'37
evening rise	1117 Feb 12 j 03:42	8°♋31'55		minimum elong		1118 Jan 15 j 13:06	1°♊57'44	2°03'37
asc. node	1117 Feb 17 j 23:48	19°♋29'44		evening rise		1118 Jan 26 j 08:07	21°♊25'04	
	1117 Feb 24 j 11:16	0°♌				1118 Jan 31 j 01:00	0°♋	
evening max el	1117 Feb 28 j 09:33	4°♌39'04	18°32'48	asc. node		1118 Feb 04 j 20:50	8°♋17'59	
retrograde	1117 Mar 08 j 01:52	8°♌24'55		evening max el		1118 Feb 11 j 18:25	17°♋31'13	18°11'07
evening set	1117 Mar 10 j 10:54	8°♌04'29		retrograde		1118 Feb 18 j 15:10	20°♋59'01	
inferior conj	1117 Mar 17 j 23:23	3°♌35'48	2°45'32	evening set		1118 Feb 21 j 05:39	20°♋29'48	
minimum elong	1117 Mar 18 j 03:26	3°♌27'50	2°44'35	inferior conj		1118 Feb 28 j 01:41	15°♋40'19	3°29'36
min. Earth dist.	1117 Mar 21 j 09:21	0°♌56'18	0.58198 AU	minimum elong		1118 Feb 28 j 04:10	15°♋34'40	3°29'16
	1117 Mar 22 j 16:47	30°♌♋		min. Earth dist.		1118 Mar 03 j 09:21	12°♋40'07	0.60305 AU
morning rise	1117 Mar 25 j 17:04	28°♋12'35		morning rise		1118 Mar 07 j 00:37	9°♋55'18	
desc. node	1117 Mar 28 j 20:56	27°♋03'19		direct		1118 Mar 13 j 16:02	7°♋49'36	
direct	1117 Mar 31 j 14:26	26°♋44'12		desc. node		1118 Mar 15 j 17:59	8°♋01'24	
	1117 Apr 09 j 17:21	0°♍		morning max el		1118 Mar 27 j 22:37	15°♋39'37	27°32'37
morning max el	1117 Apr 14 j 23:27	4°♍22'16	26°40'08			1118 Apr 08 j 15:16	0°♌	
	1117 May 03 j 15:42	0°♎				1118 Apr 26 j 01:57	0°♎	
morning set	1117 May 14 j 10:24	20°♎43'43		morning set		1118 Apr 28 j 17:51	5°♎24'54	
asc. node	1117 May 16 j 23:07	26°♎06'48		asc. node		1118 May 03 j 20:09	16°♎16'01	
	1117 May 18 j 18:04	0°♏		max. Earth dist.		1118 May 05 j 02:26	19°♎01'20	1.32279 AU
superior conj	1117 May 21 j 11:05	5°♏56'42	0°46'01	superior conj		1118 May 05 j 22:34	20°♎51'42	0°22'05
minimum elong	1117 May 21 j 09:14	5°♏46'29	0°45'39	minimum elong		1118 May 05 j 21:35	20°♎46'18	0°21'53
max. Earth dist.	1117 May 21 j 14:17	6°♏14'15	1.32301 AU			1118 May 10 j 02:45	0°♏	
evening rise	1117 May 28 j 09:18	20°♏55'42		evening rise		1118 May 12 j 19:35	5°♏47'55	
	1117 Jun 01 j 20:31	0°♐				1118 May 25 j 14:13	0°♐	
	1117 Jun 20 j 08:29	0°♑		evening max el		1118 Jun 09 j 04:37	19°♐08'25	25°33'53
desc. node	1117 Jun 24 j 20:15	5°♑15'59		desc. node		1118 Jun 11 j 17:17	21°♐22'39	
evening max el	1117 Jun 27 j 08:40	7°♑48'56	26°41'51	retrograde		1118 Jun 23 j 05:30	26°♐18'13	
retrograde	1117 Jul 11 j 07:58	15°♑03'15		evening set		1118 Jun 29 j 01:16	24°♐58'19	
evening set	1117 Jul 18 j 02:43	13°♑05'00		min. Earth dist.		1118 Jul 03 j 16:49	22°♐16'59	0.58215 AU
min. Earth dist.	1117 Jul 21 j 22:17	10°♑27'39	0.60264 AU	inferior conj		1118 Jul 06 j 21:55	20°♐00'35	-4°52'34
inferior conj	1117 Jul 25 j 05:23	7°♑46'21	-4°39'21	minimum elong		1118 Jul 06 j 21:40	20°♐01'01	4°52'35
minimum elong	1117 Jul 25 j 08:57	7°♑39'01	4°38'55	morning rise		1118 Jul 14 j 20:34	15°♐41'44	
morning rise	1117 Aug 01 j 17:09	3°♑05'11		direct		1118 Jul 17 j 09:11	15°♐21'46	
direct	1117 Aug 04 j 03:56	2°♑42'37		morning max el		1118 Jul 25 j 18:56	19°♐20'05	18°47'36
morning max el	1117 Aug 11 j 13:43	6°♑19'35	18°10'23	asc. node		1118 Jul 30 j 19:21	25°♐20'35	
asc. node	1117 Aug 12 j 22:17	7°♑44'24				1118 Aug 02 j 19:25	0°♒	
	1117 Aug 26 j 15:36	0°♓		morning set		1118 Aug 11 j 05:57	15°♒35'35	
morning set	1117 Aug 27 j 11:06	1°♓31'36				1118 Aug 18 j 15:27	0°♓	
superior conj	1117 Sep 06 j 01:27	19°♓19'41	1°28'32	superior conj		1118 Aug 19 j 20:09	2°♓16'43	1°42'19
minimum elong	1117 Sep 06 j 05:19	19°♓37'06	1°28'10	minimum elong		1118 Aug 19 j 22:04	2°♓25'48	1°42'13
	1117 Sep 12 j 03:14	0°♔		max. Earth dist.		1118 Aug 26 j 20:32	15°♓09'55	1.39264 AU
max. Earth dist.	1117 Sep 13 j 16:27	2°♔38'20	1.41275 AU	evening rise		1118 Aug 30 j 20:06	22°♓05'28	
evening rise	1117 Sep 18 j 19:29	11°♔07'29				1118 Sep 04 j 14:07	0°♕	
desc. node	1117 Sep 20 j 19:34	14°♔20'54		desc. node		1118 Sep 07 j 16:35	4°♕58'18	
	1117 Sep 30 j 23:40	0°♖				1118 Sep 24 j 22:54	0°♖	
evening max el	1117 Oct 22 j 14:59	28°♖23'15	22°54'58	evening max el		1118 Oct 05 j 03:58	11°♖58'12	24°14'55
	1117 Oct 24 j 07:20	0°♗		retrograde		1118 Oct 16 j 07:58	18°♖30'57	
retrograde	1117 Nov 01 j 16:46	4°♗22'12		evening set		1118 Oct 21 j 16:20	16°♖16'37	
evening set	1117 Nov 06 j 11:15	2°♗25'00		min. Earth dist.		1118 Oct 26 j 09:52	10°♖49'27	0.67553 AU
asc. node	1117 Nov 08 j 21:30	29°♖55'32		asc. node		1118 Oct 26 j 18:33	10°♖20'15	
	1117 Nov 08 j 20:01	30°♗♖		inferior conj		1118 Oct 27 j 02:27	9°♖53'37	0°06'49
inferior conj	1117 Nov 11 j 19:52	26°♖03'18	0°59'42	minimum elong		1118 Oct 27 j 02:17	9°♖54'11	0°06'44
minimum elong	1117 Nov 11 j 18:31	26°♖07'58	0°59'09	transit middle		1118 Oct 27 j 02:17	9°♖54'11	0°06'44
min. Earth dist.	1117 Nov 11 j 13:42	26°♖24'35	0.67756 AU	transit begin		1118 Oct 26 j 23:47	10°♖02'34	
morning rise	1117 Nov 17 j 01:41	19°♖53'25		transit end		1118 Oct 27 j 04:46	9°♖45'48	
direct	1117 Nov 21 j 11:12	18°♖07'30		morning rise		1118 Nov 01 j 12:14	3°♖48'50	
morning max el	1117 Nov 30 j 09:49	23°♖22'30	21°41'46	direct		1118 Nov 05 j 08:26	2°♖24'31	
	1117 Dec 06 j 03:53	0°♘		morning max el		1118 Nov 13 j 06:21	6°♖58'20	20°25'37
desc. node	1117 Dec 17 j 18:47	16°♘03'26				1118 Nov 30 j 10:58	0°♙	

desc. node	1118 Dec 04 j 15:49	6°♊19'06		asc. node	1119 Oct 13 j 15:35	20°♎47'49	
morning set	1118 Dec 11 j 09:23	16°♊38'14		morning rise	1119 Oct 16 j 22:08	17°♎47'26	
	1118 Dec 19 j 21:10	0°♊		direct	1119 Oct 20 j 06:55	16°♎42'00	
max. Earth dist.	1118 Dec 21 j 04:54	2°♊07'19	1.43422 AU	morning max el	1119 Oct 27 j 10:39	20°♎44'21	19°22'57
					1119 Nov 03 j 20:39	0°♎	
superior conj	1118 Dec 27 j 09:25	12°♊13'42	-1°57'10	morning set	1119 Nov 20 j 09:18	25°♎01'33	
minimum elong	1118 Dec 27 j 04:49	11°♊54'41	1°56'56	desc. node	1119 Nov 21 j 12:50	26°♎48'28	
	1119 Jan 06 j 19:56	0°♊			1119 Nov 23 j 14:06	0°♊	
evening rise	1119 Jan 08 j 20:16	3°♊31'02		max. Earth dist.	1119 Dec 03 j 19:06	15°♊59'58	1.44609 AU
asc. node	1119 Jan 22 j 17:52	26°♊29'17					
	1119 Jan 25 j 14:27	0°♋		superior conj	1119 Dec 07 j 03:54	21°♊20'41	-1°32'14
evening max el	1119 Jan 26 j 06:31	0°♋41'44	18°08'56	minimum elong	1119 Dec 06 j 19:24	20°♊46'51	1°31'26
retrograde	1119 Feb 01 j 18:28	4°♋06'11			1119 Dec 12 j 13:09	0°♊	
evening set	1119 Feb 04 j 13:56	3°♋26'56		evening rise	1119 Dec 21 j 11:48	14°♋41'56	
	1119 Feb 09 j 04:26	30°♋			1119 Dec 30 j 17:36	0°♋	
inferior conj	1119 Feb 10 j 21:13	28°♋16'50	3°45'56	asc. node	1120 Jan 09 j 14:53	13°♋51'50	
minimum elong	1119 Feb 10 j 21:35	28°♋15'52	3°45'55	evening max el	1120 Jan 09 j 18:53	14°♋02'06	18°25'31
min. Earth dist.	1119 Feb 13 j 17:21	25°♋20'52	0.62384 AU	retrograde	1120 Jan 16 j 07:23	17°♋36'00	
morning rise	1119 Feb 17 j 04:06	22°♋18'41		evening set	1120 Jan 19 j 07:55	16°♋45'51	
direct	1119 Feb 24 j 03:12	19°♋43'57		inferior conj	1120 Jan 25 j 05:53	11°♋16'30	3°41'43
desc. node	1119 Mar 02 j 15:00	21°♋39'40		minimum elong	1120 Jan 25 j 04:34	11°♋20'19	3°41'37
morning max el	1119 Mar 10 j 03:33	27°♋37'59	27°48'38	min. Earth dist.	1120 Jan 27 j 10:48	8°♋44'00	0.64210 AU
	1119 Mar 12 j 09:57	0°♋		morning rise	1120 Jan 31 j 00:39	5°♋10'33	
	1119 Apr 02 j 07:49	0°♌		direct	1120 Feb 06 j 21:53	2°♋20'43	
morning set	1119 Apr 12 j 20:09	19°♌47'52		desc. node	1120 Feb 17 j 12:01	7°♋23'48	
	1119 Apr 17 j 17:32	0°♌		morning max el	1120 Feb 20 j 12:14	10°♋11'27	27°28'26
max. Earth dist.	1119 Apr 18 j 11:15	1°♌34'53	1.32650 AU		1120 Mar 07 j 02:17	0°♋	
					1120 Mar 24 j 16:44	0°♌	
superior conj	1119 Apr 20 j 08:10	5°♌37'22	-0°03'59	morning set	1120 Mar 26 j 14:37	3°♌43'09	
minimum elong	1119 Apr 20 j 08:21	5°♌38'24	0°03'56	max. Earth dist.	1120 Mar 31 j 12:45	13°♌41'24	1.33435 AU
behind sun begin	1119 Apr 20 j 03:19	5°♌11'06					
behind sun end	1119 Apr 20 j 13:23	6°♌05'42		superior conj	1120 Apr 03 j 13:56	20°♌06'28	-0°31'17
asc. node	1119 Apr 20 j 17:11	6°♌26'20		minimum elong	1120 Apr 03 j 15:28	20°♌14'40	0°30'57
evening rise	1119 Apr 27 j 07:22	20°♌41'18		asc. node	1120 Apr 06 j 14:12	26°♌32'50	
	1119 May 01 j 20:18	0°♍			1120 Apr 08 j 04:52	0°♌	
	1119 May 21 j 22:59	0°♍		evening rise	1120 Apr 10 j 18:44	5°♌28'23	
evening max el	1119 May 21 j 19:26	29°♍51'30	24°04'39		1120 Apr 24 j 01:52	0°♍	
desc. node	1119 May 29 j 14:16	5°♍25'42		evening max el	1120 May 02 j 10:49	10°♍22'50	22°28'49
retrograde	1119 Jun 04 j 14:58	6°♍48'12		retrograde	1120 May 15 j 11:52	16°♍50'03	
evening set	1119 Jun 09 j 01:09	6°♍04'51		desc. node	1120 May 15 j 11:16	16°♍50'03	
min. Earth dist.	1119 Jun 15 j 06:23	3°♍03'39	0.56438 AU	evening set	1120 May 18 j 12:48	16°♍29'44	
inferior conj	1119 Jun 17 j 18:16	1°♍31'00	-4°29'29	min. Earth dist.	1120 May 26 j 18:13	12°♍56'11	0.55261 AU
minimum elong	1119 Jun 17 j 12:56	1°♍39'17	4°28'41	inferior conj	1120 May 27 j 20:35	12°♍18'48	-3°19'49
	1119 Jun 20 j 06:35	30°♍		minimum elong	1120 May 27 j 12:57	12°♍29'37	3°17'43
morning rise	1119 Jun 26 j 03:25	27°♍30'42		morning rise	1120 Jun 05 j 15:11	8°♍26'18	
direct	1119 Jun 28 j 19:34	27°♍11'59		direct	1120 Jun 08 j 12:42	8°♍07'09	
	1119 Jul 06 j 12:19	0°♍		morning max el	1120 Jun 19 j 22:54	13°♍26'01	21°05'04
morning max el	1119 Jul 08 j 14:32	1°♍44'27	19°46'05		1120 Jul 02 j 01:20	0°♍	
asc. node	1119 Jul 17 j 16:24	13°♍44'04		asc. node	1120 Jul 03 j 13:26	2°♍43'25	
morning set	1119 Jul 26 j 08:26	0°♎02'46		morning set	1120 Jul 09 j 15:59	14°♍45'59	
	1119 Jul 26 j 07:53	0°♎			1120 Jul 16 j 23:34	0°♎	
superior conj	1119 Aug 03 j 05:56	15°♎59'16	1°46'22	superior conj	1120 Jul 17 j 02:23	0°♎14'33	1°42'37
minimum elong	1119 Aug 03 j 05:57	15°♎59'21	1°46'22	minimum elong	1120 Jul 17 j 01:00	0°♎07'24	1°42'32
max. Earth dist.	1119 Aug 09 j 00:43	27°♎10'01	1.37273 AU	max. Earth dist.	1120 Jul 21 j 10:24	9°♎01'06	1.35508 AU
	1119 Aug 10 j 13:16	0°♎		evening rise	1120 Jul 25 j 15:39	17°♎10'48	
evening rise	1119 Aug 12 j 20:14	4°♎10'08			1120 Aug 01 j 18:32	0°♎	
desc. node	1119 Aug 25 j 13:36	25°♎24'13		desc. node	1120 Aug 11 j 10:37	15°♎32'52	
	1119 Aug 28 j 14:10	0°♎			1120 Aug 21 j 21:52	0°♎	
evening max el	1119 Sep 17 j 15:51	25°♎36'40	25°29'26	evening max el	1120 Aug 30 j 03:50	9°♎14'09	26°30'57
	1119 Sep 22 j 21:12	0°♎		retrograde	1120 Sep 12 j 00:17	16°♎26'51	
retrograde	1119 Sep 29 j 18:37	2°♎34'17		evening set	1120 Sep 18 j 12:55	13°♎45'39	
evening set	1119 Oct 05 j 17:31	0°♎04'22		min. Earth dist.	1120 Sep 22 j 15:01	9°♎30'30	0.66149 AU
	1119 Oct 05 j 19:33	30°♎		inferior conj	1120 Sep 24 j 06:07	7°♎32'31	-1°46'29
min. Earth dist.	1119 Oct 10 j 03:06	25°♎12'26	0.67025 AU	minimum elong	1120 Sep 24 j 08:54	7°♎24'07	1°45'22
inferior conj	1119 Oct 11 j 06:29	23°♎44'16	-0°49'07	asc. node	1120 Sep 29 j 12:37	2°♎12'29	
minimum elong	1119 Oct 11 j 07:44	23°♎40'14	0°48'35	morning rise	1120 Sep 30 j 05:22	1°♎46'39	

direct	1120 Oct 03 j 04:52	0° $\Omega$ 56'37		morning rise	1121 Sep 14 j 07:26	15° $\Pi$ 41'22	
morning max el	1120 Oct 09 j 21:28	4° $\Omega$ 37'51	18°35'56	asc. node	1121 Sep 16 j 09:41	15° $\Pi$ 04'55	
	1120 Oct 27 j 10:31	0° $\Pi$		direct	1121 Sep 17 j 00:01	15° $\Pi$ 03'00	
morning set	1120 Oct 30 j 08:05	4° $\Pi$ 37'51		morning max el	1121 Sep 23 j 12:18	18° $\Pi$ 32'26	18°05'30
desc. node	1120 Nov 07 j 09:53	17° $\Pi$ 27'41			1121 Oct 01 j 23:37	0° $\Omega$	
				morning set	1121 Oct 11 j 11:47	15° $\Omega$ 39'16	
superior conj	1120 Nov 15 j 05:57	29° $\Pi$ 48'00	-0°50'27		1121 Oct 20 j 04:38	0° $\Pi$	
minimum elong	1120 Nov 14 j 23:32	29° $\Pi$ 22'50	0°49'37	desc. node	1121 Oct 25 j 06:55	8° $\Pi$ 12'22	
	1120 Nov 15 j 09:00	0° $\Sigma$					
max. Earth dist.	1120 Nov 15 j 13:28	0° $\Sigma$ 17'33	1.45094 AU	superior conj	1121 Oct 25 j 12:17	8° $\Pi$ 33'49	-0°01'30
evening rise	1120 Dec 01 j 04:03	24° $\Sigma$ 55'44		minimum elong	1121 Oct 25 j 12:06	8° $\Pi$ 33'04	0°01'29
	1120 Dec 04 j 08:29	0° $\Sigma$		behind sun begin	1121 Oct 25 j 01:25	7° $\Pi$ 50'26	
greatest brilliancy	1120 Dec 09 j 17:02	8° $\Sigma$ 30'17	-0.8m	behind sun end	1121 Oct 25 j 22:46	9° $\Pi$ 15'38	
evening max el	1120 Dec 23 j 05:07	27° $\Sigma$ 28'10	18°59'50	max. Earth dist.	1121 Oct 29 j 08:16	14° $\Pi$ 38'45	1.44835 AU
asc. node	1120 Dec 26 j 11:54	0° $\approx$ 12'53			1121 Nov 08 j 04:00	0° $\Sigma$	
	1120 Dec 26 j 03:53	0° $\approx$		evening rise	1121 Nov 10 j 22:46	4° $\Sigma$ 18'39	
retrograde	1120 Dec 30 j 02:04	1° $\approx$ 22'13		greatest brilliancy	1121 Nov 24 j 08:41	24° $\Sigma$ 48'58	-0.7m
evening set	1121 Jan 02 j 08:38	0° $\approx$ 20'10			1121 Nov 27 j 21:36	0° $\Sigma$	
	1121 Jan 02 j 20:38	30° $\Sigma$		evening max el	1121 Dec 06 j 11:13	10° $\Sigma$ 56'33	19°50'26
inferior conj	1121 Jan 08 j 00:09	24° $\Sigma$ 33'54	3°22'34	asc. node	1121 Dec 13 j 08:56	15° $\Sigma$ 17'22	
minimum elong	1121 Jan 07 j 21:49	24° $\Sigma$ 41'14	3°22'09	retrograde	1121 Dec 13 j 23:29	15° $\Sigma$ 19'25	
min. Earth dist.	1121 Jan 09 j 13:45	22° $\Sigma$ 36'04	0.65671 AU	evening set	1121 Dec 17 j 13:37	14° $\Sigma$ 04'03	
morning rise	1121 Jan 13 j 10:42	18° $\Sigma$ 23'15		inferior conj	1121 Dec 23 j 00:59	8° $\Sigma$ 03'43	2°52'19
direct	1121 Jan 19 j 23:13	15° $\Sigma$ 32'36		minimum elong	1121 Dec 22 j 22:17	8° $\Sigma$ 12'40	2°51'36
morning max el	1121 Feb 01 j 22:07	23° $\Sigma$ 09'47	26°37'14	min. Earth dist.	1121 Dec 24 j 00:37	6° $\Sigma$ 45'16	0.66736 AU
desc. node	1121 Feb 03 j 09:04	24° $\Sigma$ 40'20		morning rise	1121 Dec 28 j 06:44	1° $\Sigma$ 50'43	
	1121 Feb 08 j 00:14	0° $\approx$			1121 Dec 30 j 21:35	30° $\Sigma$	
	1121 Feb 28 j 09:47	0° $\Sigma$		direct	1122 Jan 03 j 06:30	29° $\Sigma$ 10'44	
morning set	1121 Mar 09 j 21:52	17° $\Sigma$ 00'37			1122 Jan 06 j 22:01	0° $\Sigma$	
max. Earth dist.	1121 Mar 14 j 03:31	25° $\Sigma$ 13'58	1.34666 AU	morning max el	1122 Jan 15 j 07:08	6° $\Sigma$ 20'30	25°23'43
	1121 Mar 16 j 12:26	0° $\Sigma$		desc. node	1122 Jan 21 j 06:07	13° $\Sigma$ 02'23	
					1122 Feb 02 j 15:51	0° $\approx$	
superior conj	1121 Mar 18 j 13:45	4° $\Sigma$ 12'39	-0°58'38	morning set	1122 Feb 20 j 13:12	29° $\approx$ 26'52	
minimum elong	1121 Mar 18 j 16:38	4° $\Sigma$ 27'32	0°58'06		1122 Feb 20 j 20:31	0° $\Sigma$	
asc. node	1121 Mar 24 j 11:14	16° $\Sigma$ 31'37		max. Earth dist.	1122 Feb 24 j 06:27	6° $\Sigma$ 18'42	1.36343 AU
evening rise	1121 Mar 26 j 03:51	20° $\Sigma$ 03'03					
	1121 Mar 31 j 02:51	0° $\Sigma$		superior conj	1122 Mar 02 j 04:52	17° $\Sigma$ 48'28	-1°24'21
evening max el	1121 Apr 14 j 09:59	21° $\Sigma$ 13'13	21°00'22	minimum elong	1122 Mar 02 j 08:45	18° $\Sigma$ 07'47	1°23'48
retrograde	1121 Apr 26 j 01:29	26° $\Sigma$ 52'59			1122 Mar 08 j 05:38	0° $\Sigma$	
evening set	1121 Apr 28 j 06:35	26° $\Sigma$ 41'28		evening rise	1122 Mar 10 j 08:37	4° $\Sigma$ 18'59	
desc. node	1121 May 02 j 08:17	25° $\Sigma$ 26'31		asc. node	1122 Mar 11 j 08:17	6° $\Sigma$ 18'17	
inferior conj	1121 May 07 j 14:32	22° $\Sigma$ 43'02	-1°30'52		1122 Mar 25 j 09:06	0° $\Sigma$	
minimum elong	1121 May 07 j 10:16	22° $\Sigma$ 49'06	1°29'21	evening max el	1122 Mar 27 j 20:41	2° $\Sigma$ 40'57	19°47'47
min. Earth dist.	1121 May 08 j 06:47	22° $\Sigma$ 20'02	0.54955 AU	retrograde	1122 Apr 06 j 18:43	7° $\Sigma$ 27'27	
morning rise	1121 May 16 j 13:50	18° $\Sigma$ 39'20		evening set	1122 Apr 08 j 20:06	7° $\Sigma$ 16'01	
direct	1121 May 19 j 22:19	18° $\Sigma$ 15'04		inferior conj	1122 Apr 17 j 14:38	3° $\Sigma$ 14'28	0°27'43
morning max el	1121 Jun 01 j 20:57	24° $\Sigma$ 26'26	22°40'09	minimum elong	1122 Apr 17 j 15:51	3° $\Sigma$ 12'35	0°27'17
	1121 Jun 06 j 22:33	0° $\Pi$		desc. node	1122 Apr 19 j 05:19	2° $\Sigma$ 14'30	
asc. node	1121 Jun 20 j 10:29	22° $\Pi$ 09'32		min. Earth dist.	1122 Apr 19 j 21:00	1° $\Sigma$ 50'32	0.55614 AU
morning set	1121 Jun 24 j 02:32	29° $\Pi$ 38'59			1122 Apr 23 j 04:14	30° $\Sigma$	
	1121 Jun 24 j 06:33	0° $\Sigma$		morning rise	1122 Apr 26 j 09:10	28° $\Sigma$ 42'06	
				direct	1122 Apr 30 j 14:32	28° $\Sigma$ 02'29	
superior conj	1121 Jul 01 j 06:08	14° $\Sigma$ 52'04	1°32'38		1122 May 07 j 20:15	0° $\Sigma$	
minimum elong	1121 Jul 01 j 03:56	14° $\Sigma$ 40'23	1°32'24	morning max el	1122 May 14 j 12:34	4° $\Sigma$ 59'29	24°21'46
max. Earth dist.	1121 Jul 04 j 04:57	21° $\Sigma$ 04'21	1.34103 AU		1122 Jun 01 j 05:54	0° $\Pi$	
	1121 Jul 08 j 14:34	0° $\Omega$		asc. node	1122 Jun 07 j 07:34	11° $\Pi$ 55'11	
evening rise	1121 Jul 09 j 01:39	0° $\Omega$ 54'38		morning set	1122 Jun 08 j 14:25	14° $\Pi$ 36'28	
	1121 Jul 25 j 18:10	0° $\Pi$					
desc. node	1121 Jul 29 j 07:39	5° $\Pi$ 16'00		superior conj	1122 Jun 15 j 14:36	29° $\Pi$ 43'35	1°17'38
evening max el	1121 Aug 12 j 15:43	22° $\Pi$ 41'17	27°11'58	minimum elong	1122 Jun 15 j 12:09	29° $\Pi$ 30'19	1°17'17
	1121 Aug 25 j 18:41	0° $\Omega$			1122 Jun 15 j 17:38	0° $\Sigma$	
retrograde	1121 Aug 26 j 00:35	0° $\Omega$ 00'11		max. Earth dist.	1122 Jun 17 j 08:25	3° $\Sigma$ 29'20	1.33097 AU
	1121 Aug 26 j 06:29	30° $\Sigma$		evening rise	1122 Jun 22 j 22:15	15° $\Sigma$ 10'18	
evening set	1121 Sep 02 j 00:02	27° $\Sigma$ 15'25			1122 Jun 30 j 15:51	0° $\Omega$	
min. Earth dist.	1121 Sep 05 j 19:23	23° $\Sigma$ 36'42	0.64914 AU	desc. node	1122 Jul 16 j 04:40	24° $\Omega$ 23'00	
inferior conj	1121 Sep 07 j 23:07	21° $\Sigma$ 13'15	-2°43'14		1122 Jul 20 j 16:04	0° $\Pi$	
minimum elong	1121 Sep 08 j 03:18	21° $\Sigma$ 01'37	2°41'45	evening max el	1122 Jul 26 j 02:11	5° $\Pi$ 47'09	27°25'43

retrograde	1122 Aug 08 j 18:54	13° $\mathbb{M}$ 05'41		evening set	1123 Jul 29 j 07:48	23° $\Omega$ 17'31	
evening set	1122 Aug 15 j 23:42	10° $\mathbb{M}$ 28'42		min. Earth dist.	1123 Aug 01 j 23:01	20° $\Omega$ 33'42	0.61441 AU
min. Earth dist.	1122 Aug 19 j 14:26	7° $\mathbb{M}$ 22'12	0.63330 AU	inferior conj	1123 Aug 05 j 02:12	17° $\Omega$ 47'47	-4°20'38
inferior conj	1122 Aug 22 j 06:53	4° $\mathbb{M}$ 41'07	-3°36'14	minimum elong	1123 Aug 05 j 06:53	17° $\Omega$ 37'24	4°19'47
minimum elong	1122 Aug 22 j 11:56	4° $\mathbb{M}$ 28'28	3°34'49	morning rise	1123 Aug 12 j 07:34	12° $\Omega$ 53'20	
	1122 Aug 27 j 21:15	30° $\mathbb{R}$ $\Omega$		direct	1123 Aug 14 j 18:14	12° $\Omega$ 28'31	
morning rise	1122 Aug 29 j 01:24	29° $\Omega$ 26'22		asc. node	1123 Aug 21 j 03:49	15° $\Omega$ 24'11	
direct	1122 Aug 31 j 13:40	28° $\Omega$ 56'13		morning max el	1123 Aug 21 j 18:34	15° $\Omega$ 58'44	17°58'13
asc. node	1122 Sep 03 j 06:45	29° $\Omega$ 32'03			1123 Aug 31 j 13:34	0° $\mathbb{M}$	
	1122 Sep 04 j 04:43	0° $\mathbb{M}$		morning set	1123 Sep 06 j 16:06	11° $\mathbb{M}$ 00'38	
morning max el	1122 Sep 07 j 04:20	2° $\mathbb{M}$ 21'54	17°52'33				
morning set	1122 Sep 23 j 16:32	27° $\mathbb{M}$ 52'53		superior conj	1123 Sep 17 j 00:30	29° $\mathbb{M}$ 39'32	1°15'23
	1122 Sep 24 j 21:37	0° $\Omega$		minimum elong	1123 Sep 17 j 05:07	29° $\mathbb{M}$ 59'41	1°14'52
					1123 Sep 17 j 05:11	0° $\Omega$	
superior conj	1122 Oct 05 j 16:45	18° $\Omega$ 26'26	0°42'39	max. Earth dist.	1123 Sep 24 j 12:47	12° $\Omega$ 25'34	1.42351 AU
minimum elong	1122 Oct 05 j 20:49	18° $\Omega$ 43'18	0°42'06	desc. node	1123 Sep 29 j 01:01	19° $\Omega$ 45'52	
max. Earth dist.	1122 Oct 12 j 00:36	28° $\Omega$ 46'02	1.43882 AU	evening rise	1123 Sep 30 j 20:55	22° $\Omega$ 40'40	
desc. node	1122 Oct 12 j 03:59	28° $\Omega$ 59'36			1123 Oct 05 j 13:31	0° $\mathbb{M}$	
	1122 Oct 12 j 19:04	0° $\mathbb{M}$			1123 Oct 26 j 11:39	0° $\mathbb{M}$	
evening rise	1122 Oct 21 j 06:36	13° $\mathbb{M}$ 18'51		evening max el	1123 Nov 02 j 07:10	7° $\mathbb{M}$ 56'55	22°09'26
	1122 Nov 01 j 06:59	0° $\mathbb{M}$		retrograde	1123 Nov 11 j 17:22	13° $\mathbb{M}$ 33'09	
evening max el	1122 Nov 19 j 11:58	24° $\mathbb{M}$ 26'02	20°54'52	evening set	1123 Nov 16 j 04:32	11° $\mathbb{M}$ 45'58	
retrograde	1122 Nov 27 j 21:11	29° $\mathbb{M}$ 24'00		asc. node	1123 Nov 17 j 03:02	10° $\mathbb{M}$ 55'41	
asc. node	1122 Nov 30 j 06:00	28° $\mathbb{M}$ 52'31		inferior conj	1123 Nov 21 j 12:55	5° $\mathbb{M}$ 27'11	1°28'16
evening set	1122 Dec 01 j 20:51	27° $\mathbb{M}$ 53'32		minimum elong	1123 Nov 21 j 11:02	5° $\mathbb{M}$ 33'42	1°27'31
inferior conj	1122 Dec 07 j 05:56	21° $\mathbb{M}$ 42'18	2°13'36	min. Earth dist.	1123 Nov 21 j 12:52	5° $\mathbb{M}$ 27'22	0.67733 AU
minimum elong	1122 Dec 07 j 03:25	21° $\mathbb{M}$ 50'56	2°12'45		1123 Nov 25 j 22:02	30° $\mathbb{R}$ $\mathbb{M}$	
min. Earth dist.	1122 Dec 07 j 17:08	21° $\mathbb{M}$ 03'54	0.67415 AU	morning rise	1123 Nov 26 j 17:24	29° $\mathbb{M}$ 15'37	
morning rise	1122 Dec 12 j 09:47	15° $\mathbb{M}$ 29'00		direct	1123 Dec 01 j 11:22	27° $\mathbb{M}$ 16'28	
direct	1122 Dec 17 j 18:51	13° $\mathbb{M}$ 07'31			1123 Dec 07 j 19:15	0° $\mathbb{M}$	
morning max el	1122 Dec 28 j 15:28	19° $\mathbb{M}$ 36'09	23°58'00	morning max el	1123 Dec 11 j 02:03	2° $\mathbb{M}$ 57'27	22°30'05
	1123 Jan 06 j 11:34	0° $\mathbb{M}$		desc. node	1123 Dec 26 j 00:13	21° $\mathbb{M}$ 52'35	
desc. node	1123 Jan 08 j 03:11	2° $\mathbb{M}$ 10'53			1123 Dec 31 j 13:58	0° $\mathbb{M}$	
	1123 Jan 26 j 20:04	0° $\approx$		morning set	1124 Jan 13 j 20:10	20° $\mathbb{M}$ 40'53	
morning set	1123 Feb 02 j 06:35	10° $\approx$ 44'58		max. Earth dist.	1124 Jan 18 j 22:19	29° $\mathbb{M}$ 09'13	1.40519 AU
max. Earth dist.	1123 Feb 06 j 01:52	17° $\approx$ 24'17	1.38372 AU		1124 Jan 19 j 10:16	0° $\approx$	
	1123 Feb 12 j 22:22	0° $\mathbb{M}$					
				superior conj	1124 Jan 26 j 17:38	12° $\approx$ 48'25	-2°00'24
superior conj	1123 Feb 13 j 07:42	0° $\mathbb{M}$ 44'13	-1°46'03	minimum elong	1124 Jan 26 j 20:02	12° $\approx$ 59'18	2°00'18
minimum elong	1123 Feb 13 j 11:42	1° $\mathbb{M}$ 03'12	1°45'41		1124 Feb 05 j 00:13	0° $\mathbb{M}$	
evening rise	1123 Feb 22 j 06:29	18° $\mathbb{M}$ 08'54		evening rise	1124 Feb 05 j 18:21	1° $\mathbb{M}$ 25'30	
asc. node	1123 Feb 26 j 05:20	25° $\mathbb{M}$ 47'19		asc. node	1124 Feb 13 j 02:22	14° $\mathbb{M}$ 52'44	
	1123 Feb 28 j 11:57	0° $\mathbb{Y}$		evening max el	1124 Feb 21 j 23:52	27° $\mathbb{M}$ 24'47	18°21'07
evening max el	1123 Mar 10 j 18:14	14° $\mathbb{Y}$ 46'57	18°54'25		1124 Feb 25 j 10:02	0° $\mathbb{Y}$	
retrograde	1123 Mar 19 j 02:50	18° $\mathbb{Y}$ 49'56		retrograde	1124 Feb 29 j 06:13	1° $\mathbb{Y}$ 00'48	
evening set	1123 Mar 21 j 08:45	18° $\mathbb{Y}$ 33'35		evening set	1124 Mar 02 j 17:49	0° $\mathbb{Y}$ 36'40	
inferior conj	1123 Mar 29 j 08:05	14° $\mathbb{Y}$ 16'31	2°05'00		1124 Mar 04 j 06:06	30° $\mathbb{R}$ $\mathbb{M}$	
minimum elong	1123 Mar 29 j 12:07	14° $\mathbb{Y}$ 09'18	2°03'49	inferior conj	1124 Mar 09 j 22:49	25° $\mathbb{M}$ 58'58	3°08'06
min. Earth dist.	1123 Apr 01 j 13:10	11° $\mathbb{Y}$ 59'40	0.57099 AU	minimum elong	1124 Mar 10 j 02:22	25° $\mathbb{M}$ 51'30	3°07'24
desc. node	1123 Apr 06 j 02:21	9° $\mathbb{Y}$ 21'33		min. Earth dist.	1124 Mar 13 j 09:15	23° $\mathbb{M}$ 07'49	0.59084 AU
morning rise	1123 Apr 06 j 12:25	9° $\mathbb{Y}$ 10'41		morning rise	1124 Mar 17 j 08:25	20° $\mathbb{M}$ 25'33	
direct	1123 Apr 11 j 20:06	8° $\mathbb{Y}$ 02'45		desc. node	1124 Mar 22 j 23:23	18° $\mathbb{M}$ 42'13	
morning max el	1123 Apr 26 j 03:27	15° $\mathbb{Y}$ 29'23	25°55'42	direct	1124 Mar 23 j 14:44	18° $\mathbb{M}$ 41'08	
	1123 May 07 j 19:55	0° $\mathbb{B}$		morning max el	1124 Apr 06 j 22:58	26° $\mathbb{M}$ 24'21	27°06'42
morning set	1123 May 24 j 01:54	29° $\mathbb{B}$ 31'49			1124 Apr 10 j 08:26	0° $\mathbb{Y}$	
	1123 May 24 j 07:14	0° $\mathbb{II}$			1124 Apr 30 j 05:27	0° $\mathbb{B}$	
asc. node	1123 May 25 j 04:37	1° $\mathbb{II}$ 53'31		morning set	1124 May 07 j 11:19	14° $\mathbb{B}$ 19'41	
				asc. node	1124 May 11 j 01:40	21° $\mathbb{B}$ 59'50	
superior conj	1123 May 31 j 01:37	14° $\mathbb{II}$ 40'49	0°58'34	superior conj	1124 May 14 j 13:22	29° $\mathbb{B}$ 37'48	0°36'11
minimum elong	1123 May 30 j 23:25	14° $\mathbb{II}$ 28'45	0°58'10	minimum elong	1124 May 14 j 11:50	29° $\mathbb{B}$ 29'23	0°35'52
max. Earth dist.	1123 May 31 j 18:09	16° $\mathbb{II}$ 11'31	1.32484 AU	max. Earth dist.	1124 May 14 j 06:40	29° $\mathbb{B}$ 00'57	1.32250 AU
evening rise	1123 Jun 07 j 02:06	29° $\mathbb{II}$ 46'21			1124 May 14 j 17:25	0° $\mathbb{II}$	
	1123 Jun 07 j 04:44	0° $\mathbb{B}$			1124 May 21 j 10:39	14° $\mathbb{II}$ 34'30	
	1123 Jun 23 j 19:00	0° $\Omega$		evening rise	1124 May 29 j 05:15	0° $\mathbb{B}$	
desc. node	1123 Jul 03 j 01:41	12° $\Omega$ 37'57			1124 Jun 18 j 22:42	29° $\mathbb{B}$ 39'16	
evening max el	1123 Jul 08 j 08:45	18° $\Omega$ 18'08	27°07'29	desc. node	1124 Jun 19 j 07:18	0° $\Omega$	
retrograde	1123 Jul 22 j 06:08	25° $\Omega$ 33'20					

evening max el	1124 Jun 19 j 08:49	0°Ω03'39	26°16'17	evening max el	1125 Jun 01 j 01:53	11°Ω04'26	24°57'40
retrograde	1124 Jul 03 j 08:48	7°Ω15'36		desc. node	1125 Jun 05 j 19:41	14°Ω57'44	
evening set	1124 Jul 09 j 19:36	5°Ω33'02		retrograde	1125 Jun 15 j 01:28	18°Ω10'40	
min. Earth dist.	1124 Jul 13 j 21:40	2°Ω56'24	0.59385 AU	evening set	1125 Jun 20 j 08:04	17°Ω07'00	
inferior conj	1124 Jul 17 j 05:26	0°Ω23'25	-4°48'31	min. Earth dist.	1125 Jun 25 j 13:21	14°Ω19'07	0.57401 AU
minimum elong	1124 Jul 17 j 07:40	0°Ω19'06	4°48'22	inferior conj	1125 Jun 28 j 13:25	12°Ω19'08	-4°48'04
	1124 Jul 17 j 17:36	30°RΩ		minimum elong	1125 Jun 28 j 11:00	12°Ω23'12	4°47'54
morning rise	1124 Jul 24 j 21:50	25°Ω51'43		morning rise	1125 Jul 06 j 16:38	8°Ω09'28	
direct	1124 Jul 27 j 09:21	25°Ω30'17		direct	1125 Jul 09 j 06:40	7°Ω50'10	
morning max el	1124 Aug 04 j 03:54	29°Ω14'35	18°23'42	morning max el	1125 Jul 18 j 05:23	12°Ω00'58	19°10'02
	1124 Aug 04 j 22:07	0°Ω		asc. node	1125 Jul 24 j 21:55	20°Ω24'08	
asc. node	1124 Aug 07 j 00:53	2°Ω26'23			1125 Jul 30 j 11:36	0°Ω	
morning set	1124 Aug 20 j 05:05	24°Ω47'12		morning set	1125 Aug 04 j 03:32	9°Ω02'08	
	1124 Aug 22 j 22:24	0°Π					
superior conj	1124 Aug 29 j 08:04	12°Π03'13	1°35'42	superior conj	1125 Aug 12 j 09:50	25°Ω21'53	1°45'07
minimum elong	1124 Aug 29 j 11:08	12°Π17'24	1°35'28	minimum elong	1125 Aug 12 j 10:54	25°Ω27'03	1°45'04
max. Earth dist.	1124 Sep 05 j 19:44	25°Π24'11	1.40436 AU		1125 Aug 14 j 19:55	0°Π	
	1124 Sep 08 j 12:32	0°Ω		max. Earth dist.	1125 Aug 18 j 23:08	7°Π40'10	1.38392 AU
evening rise	1124 Sep 10 j 07:22	2°Ω58'39		evening rise	1125 Aug 22 j 18:20	14°Π25'48	
desc. node	1124 Sep 14 j 22:01	10°Ω27'33			1125 Sep 01 j 03:34	0°Ω	
	1124 Sep 27 j 20:59	0°Π		desc. node	1125 Sep 01 j 19:03	1°Ω00'55	
evening max el	1124 Oct 14 j 21:45	21°Π29'35	23°29'07		1125 Sep 22 j 16:36	0°Π	
retrograde	1124 Oct 25 j 10:38	27°Π43'17		evening max el	1125 Sep 27 j 09:51	5°Π05'56	24°47'37
evening set	1124 Oct 30 j 11:01	25°Π38'31		retrograde	1125 Oct 09 j 00:06	11°Π51'03	
asc. node	1124 Nov 03 j 00:05	21°Π44'23		evening set	1125 Oct 14 j 14:42	9°Π29'28	
inferior conj	1124 Nov 04 j 20:07	19°Π15'52	0°37'43	min. Earth dist.	1125 Oct 19 j 04:39	4°Π17'12	0.67370 AU
minimum elong	1124 Nov 04 j 19:14	19°Π18'54	0°37'20	inferior conj	1125 Oct 20 j 01:51	3°Π06'59	-0°16'38
min. Earth dist.	1124 Nov 04 j 09:28	19°Π52'19	0.67716 AU	minimum elong	1125 Oct 20 j 02:15	3°Π05'37	0°16'27
morning rise	1124 Nov 10 j 03:25	13°Π08'08		asc. node	1125 Oct 20 j 21:06	2°Π03'34	
direct	1124 Nov 14 j 07:05	11°Π31'44			1125 Oct 22 j 12:44	30°RΩ	
morning max el	1124 Nov 22 j 18:24	16°Π27'41	21°07'57	morning rise	1125 Oct 25 j 13:56	27°Ω05'24	
	1124 Dec 03 j 14:54	0°♂		direct	1125 Oct 29 j 04:56	25°Ω49'44	
desc. node	1124 Dec 11 j 21:14	11°♂57'39			1125 Nov 05 j 14:49	0°Π	
morning set	1124 Dec 23 j 05:45	29°♂18'48		morning max el	1125 Nov 05 j 18:25	0°Π09'02	19°57'10
	1124 Dec 23 j 16:15	0°♂			1125 Nov 27 j 05:43	0°♂	
max. Earth dist.	1124 Dec 31 j 01:12	11°♂48'55	1.42485 AU	desc. node	1125 Nov 28 j 18:17	2°♂19'57	
				morning set	1125 Dec 02 j 01:55	7°♂26'25	
superior conj	1125 Jan 07 j 05:10	23°♂47'08	-2°02'57	max. Earth dist.	1125 Dec 13 j 11:19	25°♂17'57	1.44009 AU
minimum elong	1125 Jan 07 j 03:37	23°♂40'34	2°02'55		1125 Dec 16 j 09:41	0°♂	
	1125 Jan 10 j 19:32	0°≈		superior conj	1125 Dec 18 j 14:23	3°♂33'22	-1°48'55
evening rise	1125 Jan 18 j 16:21	13°≈59'32		minimum elong	1125 Dec 18 j 07:40	3°♂06'05	1°48'28
	1125 Jan 27 j 19:12	0°✕		evening rise	1125 Dec 31 j 20:15	25°♂43'10	
asc. node	1125 Jan 29 j 23:24	3°✕26'13			1126 Jan 03 j 08:11	0°≈	
evening max el	1125 Feb 04 j 10:23	10°✕24'58	18°07'45	asc. node	1126 Jan 16 j 20:24	21°≈18'17	
retrograde	1125 Feb 11 j 02:13	13°✕49'56		evening max el	1126 Jan 18 j 22:52	23°≈40'05	18°13'41
evening set	1125 Feb 13 j 18:49	13°✕16'34		retrograde	1126 Jan 25 j 10:11	27°≈07'28	
inferior conj	1125 Feb 20 j 08:56	8°✕17'51	3°39'27	evening set	1126 Jan 28 j 07:37	26°≈23'51	
minimum elong	1125 Feb 20 j 10:31	8°✕14'03	3°39'19	inferior conj	1126 Feb 03 j 10:34	21°≈05'22	3°46'14
min. Earth dist.	1125 Feb 23 j 12:17	5°✕16'50	0.61210 AU	minimum elong	1126 Feb 03 j 10:08	21°≈06'31	3°46'14
morning rise	1125 Feb 27 j 00:35	2°✕26'11		min. Earth dist.	1126 Feb 06 j 00:28	18°≈17'12	0.63201 AU
direct	1125 Mar 05 j 20:20	0°✕07'01		morning rise	1126 Feb 09 j 11:46	15°≈03'04	
desc. node	1125 Mar 09 j 20:24	0°✕50'56		direct	1126 Feb 16 j 10:57	12°≈19'55	
morning max el	1125 Mar 20 j 00:55	7°✕59'24	27°44'06	desc. node	1126 Feb 24 j 17:26	15°≈26'59	
	1125 Apr 05 j 20:12	0°Υ		morning max el	1126 Mar 02 j 07:57	20°≈14'30	27°44'11
morning set	1125 Apr 21 j 16:50	28°Υ53'47			1126 Mar 10 j 17:30	0°✕	
	1125 Apr 22 j 05:41	0°♂			1126 Mar 29 j 19:52	0°Υ	
asc. node	1125 Apr 27 j 22:42	12°♂09'45		morning set	1126 Apr 05 j 16:10	13°Υ06'14	
max. Earth dist.	1125 Apr 27 j 18:01	11°♂44'14	1.32388 AU	max. Earth dist.	1126 Apr 11 j 00:07	24°Υ07'13	1.32925 AU
superior conj	1125 Apr 29 j 00:13	14°♂29'00	0°11'14	superior conj	1126 Apr 13 j 08:25	29°Υ08'15	-0°15'29
minimum elong	1125 Apr 28 j 23:42	14°♂26'11	0°11'08	minimum elong	1126 Apr 13 j 09:10	29°Υ12'18	0°15'19
behind sun begin	1125 Apr 28 j 20:04	14°♂06'17		behind sun begin	1126 Apr 13 j 07:45	29°Υ04'40	
behind sun end	1125 Apr 29 j 03:21	14°♂46'05		behind sun end	1126 Apr 13 j 10:35	29°Υ19'56	
evening rise	1125 May 05 j 21:47	29°♂27'35			1126 Apr 13 j 18:01	0°♂	
	1125 May 06 j 03:54	0°Π		asc. node	1126 Apr 14 j 19:43	2°♂18'51	
	1125 May 22 j 20:37	0°Ω		evening rise	1126 Apr 20 j 09:35	14°♂18'44	

	1126 Apr 28 j 07:22	0°♄			1127 Apr 23 j 06:10	0°♄	
evening max el	1126 May 13 j 15:54	21°♄38'13	23°23'49	evening max el	1127 Apr 25 j 10:05	2°♄15'42	21°49'43
desc. node	1126 May 23 j 16:42	27°♄56'54		retrograde	1127 May 07 j 22:36	8°♄23'55	
retrograde	1126 May 27 j 06:00	28°♄25'39		evening set	1127 May 10 j 12:46	8°♄08'55	
evening set	1126 May 31 j 00:50	27°♄54'11		desc. node	1127 May 10 j 13:41	8°♄08'29	
min. Earth dist.	1126 Jun 07 j 02:01	24°♄40'30	0.55833 AU	inferior conj	1127 May 19 j 22:42	4°♄05'33	-2°37'05
inferior conj	1126 Jun 09 j 01:26	23°♄30'16	-4°05'47	minimum elong	1127 May 19 j 15:52	4°♄15'07	2°34'54
minimum elong	1126 Jun 08 j 18:30	23°♄40'34	4°04'22	min. Earth dist.	1127 May 19 j 14:20	4°♄17'16	0.55015 AU
morning rise	1126 Jun 17 j 14:52	19°♄35'11		morning rise	1127 May 28 j 20:06	0°♄10'21	
direct	1126 Jun 20 j 08:38	19°♄16'47			1127 May 29 j 17:58	30°♄8	
morning max el	1126 Jun 30 j 20:24	24°♄08'06	20°17'26	direct	1127 May 31 j 21:19	29°♄49'46	
	1126 Jul 05 j 23:38	0°♄			1127 Jun 02 j 23:49	0°♄	
asc. node	1126 Jul 11 j 18:57	9°♄04'00		morning max el	1127 Jun 13 j 00:05	5°♄31'31	21°43'54
morning set	1126 Jul 19 j 08:25	23°♄36'32		asc. node	1127 Jun 28 j 16:02	28°♄15'55	
	1126 Jul 22 j 11:09	0°♄			1127 Jun 29 j 13:36	0°♄	
				morning set	1127 Jul 03 j 17:28	8°♄24'28	
superior conj	1126 Jul 27 j 00:38	9°♄19'45	1°45'38				
minimum elong	1126 Jul 26 j 23:59	9°♄16'29	1°45'37	superior conj	1127 Jul 11 j 00:32	23°♄45'24	1°39'03
max. Earth dist.	1126 Aug 01 j 04:33	19°♄31'10	1.36475 AU	minimum elong	1127 Jul 10 j 22:44	23°♄35'58	1°38'55
evening rise	1126 Aug 05 j 03:15	26°♄55'49			1127 Jul 14 j 01:02	0°♄	
	1126 Aug 06 j 19:49	0°♄		max. Earth dist.	1127 Jul 14 j 17:46	1°♄25'03	1.34866 AU
desc. node	1126 Aug 19 j 16:05	21°♄20'09		evening rise	1127 Jul 19 j 05:28	10°♄16'34	
	1126 Aug 25 j 13:18	0°♄			1127 Jul 30 j 07:07	0°♄	
evening max el	1126 Sep 09 j 21:36	18°♄44'23	25°57'41	desc. node	1127 Aug 06 j 13:05	11°♄18'41	
retrograde	1126 Sep 22 j 08:55	25°♄50'27			1127 Aug 21 j 02:42	0°♄	
evening set	1126 Sep 28 j 13:43	23°♄15'04		evening max el	1127 Aug 23 j 09:49	2°♄19'08	26°51'27
min. Earth dist.	1126 Oct 02 j 20:01	18°♄38'28	0.66689 AU	retrograde	1127 Sep 05 j 12:19	9°♄35'10	
inferior conj	1126 Oct 04 j 04:16	16°♄57'07	-1°13'23	evening set	1127 Sep 12 j 05:54	6°♄51'39	
minimum elong	1126 Oct 04 j 06:10	16°♄51'09	1°12'35	min. Earth dist.	1127 Sep 16 j 05:07	2°♄51'54	0.65664 AU
asc. node	1126 Oct 07 j 18:08	12°♄49'41		inferior conj	1127 Sep 18 j 01:22	0°♄42'41	-2°10'48
morning rise	1126 Oct 09 j 22:56	11°♄04'27		minimum elong	1127 Sep 18 j 04:47	0°♄32'42	2°09'29
direct	1126 Oct 13 j 03:24	10°♄06'07			1127 Sep 18 j 16:03	30°♄8	
morning max el	1126 Oct 20 j 01:43	13°♄58'45	19°00'57	morning rise	1127 Sep 24 j 04:17	25°♄02'03	
	1126 Oct 31 j 22:45	0°♄		asc. node	1127 Sep 24 j 15:13	24°♄48'57	
morning set	1126 Nov 11 j 09:44	16°♄16'01		direct	1127 Sep 27 j 00:33	24°♄17'19	
desc. node	1126 Nov 15 j 15:21	22°♄54'09		morning max el	1127 Oct 03 j 14:28	27°♄52'37	18°20'52
	1126 Nov 20 j 04:03	0°♄			1127 Oct 05 j 12:36	0°♄	
max. Earth dist.	1126 Nov 26 j 03:10	9°♄21'48	1.44903 AU	morning set	1127 Oct 22 j 20:52	26°♄28'58	
					1127 Oct 25 j 00:56	0°♄	
superior conj	1126 Nov 28 j 00:02	12°♄18'39	-1°16'11	desc. node	1127 Nov 02 j 12:24	13°♄35'57	
minimum elong	1126 Nov 27 j 15:35	11°♄45'18	1°15'15				
	1126 Dec 09 j 02:01	0°♄		superior conj	1127 Nov 07 j 01:04	20°♄45'52	-0°29'47
evening rise	1126 Dec 13 j 02:05	6°♄30'01		minimum elong	1127 Nov 06 j 21:11	20°♄30'33	0°29'16
	1126 Dec 27 j 20:13	0°♄		max. Earth dist.	1127 Nov 08 j 22:04	23°♄42'58	1.45074 AU
evening max el	1127 Jan 02 j 10:40	7°♄04'18	18°38'02		1127 Nov 12 j 22:10	0°♄	
asc. node	1127 Jan 03 j 17:25	8°♄17'06		evening rise	1127 Nov 23 j 08:27	16°♄20'01	
retrograde	1127 Jan 09 j 01:54	10°♄45'28			1127 Dec 02 j 02:06	0°♄	
evening set	1127 Jan 12 j 04:49	9°♄50'33		greatest brilliancy	1127 Dec 04 j 05:24	3°♄18'12	-0.8m
inferior conj	1127 Jan 17 j 23:46	4°♄14'00	3°35'08	evening max el	1127 Dec 16 j 19:27	20°♄32'19	19°19'33
minimum elong	1127 Jan 17 j 21:56	4°♄19'31	3°34'54	asc. node	1127 Dec 21 j 14:28	24°♄07'52	
min. Earth dist.	1127 Jan 19 j 22:11	1°♄54'59	0.64883 AU	retrograde	1127 Dec 23 j 22:00	24°♄37'15	
	1127 Jan 21 j 15:07	30°♄8		evening set	1127 Dec 27 j 07:39	23°♄29'38	
morning rise	1127 Jan 23 j 14:35	28°♄05'44		inferior conj	1128 Jan 01 j 21:09	17°♄37'12	3°10'55
direct	1127 Jan 30 j 08:55	25°♄13'33		minimum elong	1128 Jan 01 j 18:35	17°♄45'27	3°10'21
	1127 Feb 09 j 11:24	0°♄		min. Earth dist.	1128 Jan 03 j 04:38	15°♄55'55	0.66177 AU
desc. node	1127 Feb 11 j 14:29	1°♄54'44		morning rise	1128 Jan 07 j 05:18	11°♄25'36	
morning max el	1127 Feb 12 j 17:22	3°♄00'27	27°09'51	direct	1128 Jan 13 j 12:54	8°♄38'12	
	1127 Mar 05 j 01:02	0°♄		morning max el	1128 Jan 26 j 02:48	16°♄04'45	26°08'06
morning set	1127 Mar 20 j 06:24	26°♄47'41		desc. node	1128 Jan 29 j 11:34	19°♄42'01	
	1127 Mar 21 j 21:41	0°♄			1128 Feb 06 j 15:41	0°♄	
max. Earth dist.	1127 Mar 24 j 21:09	5°♄59'05	1.33901 AU		1128 Feb 25 j 21:41	0°♄	
				morning set	1128 Mar 02 j 07:31	9°♄45'18	
superior conj	1127 Mar 28 j 12:01	13°♄29'26	-0°42'57	max. Earth dist.	1128 Mar 06 j 06:44	17°♄18'01	1.35336 AU
minimum elong	1127 Mar 28 j 14:08	13°♄40'36	0°42'32				
asc. node	1127 Apr 01 j 16:46	22°♄23'08		superior conj	1128 Mar 11 j 08:32	27°♄42'14	-1°09'51
evening rise	1127 Apr 04 j 20:17	29°♄01'53		minimum elong	1128 Mar 11 j 11:55	27°♄41'25	1°09'17
	1127 Apr 05 j 07:25	0°♄			1128 Mar 12 j 15:02	0°♄	

asc. node	1128 Mar 18 j 13:48	12°♿17'38			1129 Mar 04 j 10:57	0°♿	
evening rise	1128 Mar 19 j 03:50	13°♿29'47		asc. node	1129 Mar 05 j 10:50	1°♿57'46	
	1128 Mar 27 j 18:24	0°♿		evening max el	1129 Mar 20 j 05:30	25°♿05'10	19°22'28
evening max el	1128 Apr 06 j 14:03	13°♿21'04	20°27'10	retrograde	1129 Mar 29 j 10:32	29°♿31'43	
retrograde	1128 Apr 17 j 11:40	18°♿37'19		evening set	1129 Mar 31 j 13:22	29°♿18'39	
evening set	1128 Apr 19 j 13:54	18°♿26'29		inferior conj	1129 Apr 08 j 23:55	25°♿11'02	1°12'51
desc. node	1128 Apr 26 j 10:44	15°♿46'32		minimum elong	1129 Apr 09 j 02:47	25°♿06'19	1°11'53
inferior conj	1128 Apr 28 j 17:25	14°♿28'41	-0°39'37	min. Earth dist.	1129 Apr 11 j 17:54	23°♿23'15	0.56168 AU
minimum elong	1128 Apr 28 j 15:34	14°♿31'24	0°38'56	desc. node	1129 Apr 13 j 07:47	22°♿25'21	
min. Earth dist.	1128 Apr 30 j 03:16	13°♿39'31	0.55132 AU	morning rise	1129 Apr 17 j 13:23	20°♿24'20	
morning rise	1128 May 07 j 16:03	10°♿14'42		direct	1129 Apr 22 j 05:36	19°♿34'29	
direct	1128 May 11 j 08:35	9°♿45'18		morning max el	1129 May 06 j 09:12	26°♿45'27	25°03'40
morning max el	1128 May 24 j 18:33	16°♿16'59	23°23'18		1129 May 09 j 12:01	0°♿	
	1128 Jun 04 j 16:03	0°♿			1129 May 28 j 15:32	0°♿	
asc. node	1128 Jun 14 j 13:06	17°♿51'11		asc. node	1129 Jun 01 j 10:08	7°♿42'59	
morning set	1128 Jun 17 j 04:49	23°♿20'04		morning set	1129 Jun 01 j 16:42	8°♿17'33	
	1128 Jun 20 j 07:56	0°♿					
				superior conj	1129 Jun 08 j 16:19	23°♿24'15	1°09'58
superior conj	1128 Jun 24 j 06:34	8°♿29'31	1°26'48	minimum elong	1129 Jun 08 j 13:56	23°♿11'10	1°09'36
minimum elong	1128 Jun 24 j 04:12	8°♿16'49	1°26'31	max. Earth dist.	1129 Jun 09 j 23:12	26°♿12'13	1.32790 AU
max. Earth dist.	1128 Jun 26 j 16:34	13°♿38'21	1.33631 AU		1129 Jun 11 j 17:24	0°♿	
evening rise	1128 Jul 01 j 20:25	24°♿15'13		evening rise	1129 Jun 15 j 20:25	8°♿40'28	
	1128 Jul 04 j 19:00	0°♿			1129 Jun 27 j 04:28	0°♿	
	1128 Jul 22 j 20:25	0°♿		desc. node	1129 Jul 10 j 07:06	19°♿35'02	
desc. node	1128 Jul 23 j 10:05	0°♿47'54		evening max el	1129 Jul 18 j 06:30	28°♿31'18	27°21'59
evening max el	1128 Aug 04 j 21:33	15°♿39'23	27°21'33		1129 Jul 19 j 21:30	0°♿	
retrograde	1128 Aug 18 j 09:55	22°♿57'48		retrograde	1129 Aug 01 j 01:12	5°♿48'36	
evening set	1128 Aug 25 j 12:34	20°♿15'00		evening set	1129 Aug 08 j 06:08	3°♿18'37	
min. Earth dist.	1128 Aug 29 j 05:40	16°♿50'47	0.64281 AU	min. Earth dist.	1129 Aug 11 j 20:04	0°♿23'43	0.62557 AU
inferior conj	1128 Aug 31 j 14:49	14°♿18'55	-3°06'25		1129 Aug 12 j 06:19	30°♿	
minimum elong	1128 Aug 31 j 19:28	14°♿06'31	3°04'54	inferior conj	1129 Aug 14 j 17:40	27°♿38'33	-3°56'32
morning rise	1128 Sep 07 j 03:20	8°♿53'50		minimum elong	1129 Aug 14 j 22:46	27°♿26'26	3°55'18
direct	1128 Sep 09 j 17:53	8°♿19'12		morning rise	1129 Aug 21 j 16:47	22°♿32'23	
asc. node	1128 Sep 10 j 12:18	8°♿22'14		direct	1129 Aug 24 j 04:05	22°♿04'48	
morning max el	1128 Sep 16 j 06:09	11°♿45'46	17°57'50	asc. node	1129 Aug 28 j 09:22	23°♿27'16	
	1128 Sep 28 j 18:05	0°♿		morning max el	1129 Aug 30 j 21:50	25°♿31'03	17°52'42
morning set	1128 Oct 03 j 12:01	8°♿03'53			1129 Sep 03 j 15:58	0°♿	
				morning set	1129 Sep 16 j 01:26	20°♿42'19	
					1129 Sep 21 j 07:05	0°♿	
superior conj	1128 Oct 16 j 15:18	29°♿55'59	0°18'24				
minimum elong	1128 Oct 16 j 17:23	0°♿04'26	0°18'06	superior conj	1129 Sep 27 j 07:25	10°♿23'12	0°58'05
	1128 Oct 16 j 16:17	0°♿		minimum elong	1129 Sep 27 j 12:06	10°♿43'01	0°57'30
desc. node	1128 Oct 19 j 09:26	4°♿22'14		max. Earth dist.	1129 Oct 04 j 07:42	22°♿00'45	1.43284 AU
max. Earth dist.	1128 Oct 21 j 16:48	8°♿02'59	1.44508 AU	desc. node	1129 Oct 06 j 06:27	25°♿09'17	
evening rise	1128 Nov 01 j 20:46	25°♿29'17			1129 Oct 09 j 07:31	0°♿	
	1128 Nov 04 j 19:16	0°♿		evening rise	1129 Oct 12 j 05:05	4°♿32'38	
	1128 Nov 25 j 11:07	0°♿			1129 Oct 29 j 05:33	0°♿	
evening max el	1128 Nov 28 j 23:26	4°♿01'43	20°16'19	evening max el	1129 Nov 11 j 21:36	17°♿30'52	21°25'34
retrograde	1128 Dec 06 j 19:48	8°♿38'38		retrograde	1129 Nov 20 j 17:09	22°♿45'26	
asc. node	1128 Dec 07 j 11:32	8°♿36'13		asc. node	1129 Nov 24 j 08:35	21°♿31'36	
evening set	1128 Dec 10 j 13:51	7°♿16'50		evening set	1129 Nov 24 j 21:28	21°♿07'54	
inferior conj	1128 Dec 16 j 00:00	1°♿11'20	2°36'51	inferior conj	1129 Nov 30 j 06:03	14°♿52'43	1°55'06
minimum elong	1128 Dec 15 j 21:20	1°♿20'23	2°36'02	minimum elong	1129 Nov 30 j 03:45	15°♿00'40	1°54'16
	1128 Dec 16 j 21:10	30°♿		min. Earth dist.	1129 Nov 30 j 12:16	14°♿31'13	0.67587 AU
min. Earth dist.	1128 Dec 16 j 18:05	0°♿10'21	0.67070 AU	morning rise	1129 Dec 05 j 09:52	8°♿39'50	
morning rise	1128 Dec 21 j 04:38	24°♿58'10		direct	1129 Dec 10 j 12:20	6°♿27'50	
direct	1128 Dec 26 j 22:15	22°♿25'39		morning max el	1129 Dec 20 j 20:28	12°♿36'57	23°20'25
morning max el	1129 Jan 07 j 11:27	29°♿18'40	24°48'15		1130 Jan 02 j 05:40	27°♿49'48	
	1129 Jan 08 j 03:35	0°♿		desc. node	1130 Jan 03 j 19:07	0°♿	
desc. node	1129 Jan 15 j 08:38	8°♿25'59			1130 Jan 23 j 08:41	0°♿	
	1129 Jan 30 j 11:45	0°♿		morning set	1130 Jan 24 j 20:30	2°♿29'36	
morning set	1129 Feb 12 j 14:18	21°♿44'48		max. Earth dist.	1130 Jan 29 j 01:02	9°♿39'44	1.39283 AU
max. Earth dist.	1129 Feb 16 j 06:10	28°♿21'08	1.37184 AU				
	1129 Feb 17 j 03:34	0°♿					
				superior conj	1130 Feb 05 j 15:09	23°♿19'42	-1°53'17
superior conj	1129 Feb 22 j 18:56	10°♿44'30	-1°34'13	minimum elong	1130 Feb 05 j 18:45	23°♿36'23	1°53'01
minimum elong	1129 Feb 22 j 23:01	11°♿04'27	1°33'42		1130 Feb 09 j 04:12	0°♿	
evening rise	1129 Mar 03 j 06:02	27°♿36'04		evening rise	1130 Feb 15 j 00:04	11°♿13'08	



asc. node	1130 Feb 20 j 07:53	21° $\text{H}$ 18'03		evening rise	1131 Jan 29 j 06:30	24° $\approx$ 12'19	
	1130 Feb 25 j 10:36	0° $\text{Y}$			1131 Feb 01 j 09:55	0° $\text{H}$	
evening max el	1130 Mar 03 j 06:50	7° $\text{Y}$ 26'06	18°37'47	asc. node	1131 Feb 07 j 04:55	10° $\text{H}$ 11'06	
retrograde	1130 Mar 11 j 03:04	11° $\text{Y}$ 15'55		evening max el	1131 Feb 14 j 14:58	20° $\text{H}$ 14'56	18°13'09
evening set	1130 Mar 13 j 11:14	10° $\text{Y}$ 56'41		retrograde	1131 Feb 21 j 13:48	23° $\text{H}$ 44'15	
inferior conj	1130 Mar 21 j 02:28	6° $\text{Y}$ 31'12	2°36'00	evening set	1131 Feb 24 j 03:36	23° $\text{H}$ 16'23	
minimum elong	1130 Mar 21 j 06:36	6° $\text{Y}$ 23'16	2°34'56	inferior conj	1131 Mar 03 j 01:50	18° $\text{H}$ 30'05	3°24'51
min. Earth dist.	1130 Mar 24 j 11:44	3° $\text{Y}$ 56'47	0.57897 AU	minimum elong	1131 Mar 03 j 04:38	18° $\text{H}$ 23'51	3°24'26
morning rise	1130 Mar 28 j 22:58	1° $\text{Y}$ 12'06		min. Earth dist.	1131 Mar 06 j 10:37	15° $\text{H}$ 31'23	0.59984 AU
desc. node	1130 Mar 31 j 04:48	0° $\text{Y}$ 20'15		morning rise	1131 Mar 10 j 03:29	12° $\text{H}$ 47'51	
	1130 Apr 01 j 15:14	30° $\text{H}$		direct	1131 Mar 16 j 16:56	10° $\text{H}$ 47'25	
direct	1130 Apr 03 j 16:57	29° $\text{H}$ 49'08		desc. node	1131 Mar 18 j 01:51	10° $\text{H}$ 52'31	
	1130 Apr 05 j 19:06	0° $\text{Y}$		morning max el	1131 Mar 30 j 23:57	18° $\text{H}$ 35'55	27°27'02
morning max el	1130 Apr 18 j 01:51	7° $\text{Y}$ 24'55	26°29'28		1131 Apr 09 j 14:16	0° $\text{Y}$	
	1130 May 04 j 22:15	0° $\text{B}$			1131 Apr 27 j 13:35	0° $\text{B}$	
morning set	1130 May 17 j 03:33	23° $\text{B}$ 11'30		morning set	1131 May 01 j 11:33	7° $\text{B}$ 54'38	
asc. node	1130 May 19 j 07:10	27° $\text{B}$ 45'58		asc. node	1131 May 06 j 04:11	17° $\text{B}$ 54'36	
	1130 May 20 j 07:59	0° $\text{II}$		max. Earth dist.	1131 May 07 j 22:49	21° $\text{B}$ 47'32	1.32261 AU
superior conj	1130 May 24 j 03:54	8° $\text{II}$ 23'11	0°49'26	superior conj	1131 May 08 j 15:30	23° $\text{B}$ 19'01	0°25'54
minimum elong	1130 May 24 j 01:56	8° $\text{II}$ 12'23	0°49'04	minimum elong	1131 May 08 j 14:22	23° $\text{B}$ 12'46	0°25'39
max. Earth dist.	1130 May 24 j 10:29	8° $\text{II}$ 59'22	1.32335 AU		1131 May 11 j 16:35	0° $\text{II}$	
evening rise	1130 May 31 j 02:34	23° $\text{II}$ 23'22		evening rise	1131 May 15 j 12:27	8° $\text{II}$ 14'54	
	1130 Jun 03 j 08:08	0° $\text{D}$			1131 May 26 j 19:58	0° $\text{D}$	
	1130 Jun 21 j 04:26	0° $\text{Q}$		evening max el	1131 Jun 12 j 07:24	22° $\text{D}$ 10'07	25°45'38
desc. node	1130 Jun 27 j 04:06	7° $\text{Q}$ 22'31		desc. node	1131 Jun 14 j 01:06	23° $\text{D}$ 44'41	
evening max el	1130 Jun 30 j 10:20	10° $\text{Q}$ 43'45	26°49'30	retrograde	1131 Jun 26 j 08:14	29° $\text{D}$ 20'23	
retrograde	1130 Jul 14 j 09:20	17° $\text{Q}$ 58'32		evening set	1131 Jul 02 j 08:14	27° $\text{D}$ 54'39	
evening set	1130 Jul 21 j 06:14	15° $\text{Q}$ 55'22		min. Earth dist.	1131 Jul 06 j 19:48	25° $\text{D}$ 14'59	0.58516 AU
min. Earth dist.	1130 Jul 25 j 00:15	13° $\text{Q}$ 16'51	0.60574 AU	inferior conj	1131 Jul 10 j 01:57	22° $\text{D}$ 53'46	-4°52'39
inferior conj	1130 Jul 28 j 06:35	10° $\text{Q}$ 33'39	-4°35'08	minimum elong	1131 Jul 10 j 02:25	22° $\text{D}$ 52'55	4°52'38
minimum elong	1130 Jul 28 j 10:31	10° $\text{Q}$ 25'24	4°34'35	morning rise	1131 Jul 17 j 22:59	18° $\text{D}$ 31'31	
morning rise	1130 Aug 04 j 16:43	5° $\text{Q}$ 49'00		direct	1131 Jul 20 j 11:15	18° $\text{D}$ 11'11	
direct	1130 Aug 07 j 03:20	5° $\text{Q}$ 25'59		morning max el	1131 Jul 28 j 16:47	22° $\text{D}$ 05'35	18°40'42
morning max el	1130 Aug 14 j 10:27	9° $\text{Q}$ 00'58	18°06'33	asc. node	1131 Aug 02 j 03:26	27° $\text{D}$ 19'13	
asc. node	1130 Aug 15 j 06:25	9° $\text{Q}$ 51'37			1131 Aug 03 j 23:14	0° $\text{Q}$	
	1130 Aug 28 j 01:58	0° $\text{P}$		morning set	1131 Aug 14 j 00:43	18° $\text{Q}$ 08'04	
morning set	1130 Aug 30 j 07:16	4° $\text{P}$ 08'11			1131 Aug 20 j 03:24	0° $\text{P}$	
superior conj	1130 Sep 09 j 01:59	22° $\text{P}$ 08'33	1°25'26	superior conj	1131 Aug 22 j 17:58	4° $\text{P}$ 57'27	1°40'54
minimum elong	1130 Sep 09 j 06:06	22° $\text{P}$ 26'53	1°25'03	minimum elong	1131 Aug 22 j 20:11	5° $\text{P}$ 07'55	1°40'46
	1130 Sep 13 j 13:24	0° $\text{A}$		max. Earth dist.	1131 Aug 29 j 21:46	18° $\text{P}$ 00'20	1.39572 AU
max. Earth dist.	1130 Sep 16 j 16:59	5° $\text{A}$ 21'31	1.41566 AU	evening rise	1131 Sep 02 j 23:44	25° $\text{P}$ 03'01	
evening rise	1130 Sep 22 j 02:47	14° $\text{A}$ 15'13			1131 Sep 05 j 22:59	0° $\text{A}$	
desc. node	1130 Sep 23 j 03:27	15° $\text{A}$ 54'07		desc. node	1131 Sep 10 j 00:28	6° $\text{A}$ 32'59	
	1130 Oct 02 j 05:58	0° $\text{M}$			1131 Sep 25 j 23:45	0° $\text{M}$	
	1130 Oct 24 j 14:39	0° $\text{J}$		evening max el	1131 Oct 08 j 03:54	14° $\text{M}$ 36'39	24°03'11
evening max el	1130 Oct 25 j 14:31	1° $\text{J}$ 01'45	22°43'05	retrograde	1131 Oct 19 j 04:01	21° $\text{M}$ 04'30	
retrograde	1130 Nov 04 j 12:19	6° $\text{J}$ 54'58		evening set	1131 Oct 24 j 10:18	18° $\text{M}$ 52'40	
evening set	1130 Nov 09 j 04:49	5° $\text{J}$ 00'30		min. Earth dist.	1131 Oct 29 j 05:07	13° $\text{M}$ 20'32	0.67607 AU
asc. node	1130 Nov 11 j 05:38	2° $\text{J}$ 59'06		asc. node	1131 Oct 29 j 02:40	13° $\text{M}$ 28'47	
	1130 Nov 13 j 13:55	30° $\text{K}$		inferior conj	1131 Oct 29 j 20:07	12° $\text{M}$ 29'44	0°15'02
inferior conj	1130 Nov 14 j 13:20	28° $\text{M}$ 39'26	1°07'21	minimum elong	1131 Oct 29 j 19:45	12° $\text{M}$ 30'58	0°14'54
minimum elong	1130 Nov 14 j 11:50	28° $\text{M}$ 44'37	1°06'45	transit middle	1131 Oct 29 j 19:45	12° $\text{M}$ 30'58	0°14'54
min. Earth dist.	1130 Nov 14 j 08:46	28° $\text{M}$ 55'13	0.67761 AU	transit begin	1131 Oct 29 j 18:40	12° $\text{M}$ 34'41	
morning rise	1130 Nov 19 j 18:43	22° $\text{M}$ 28'56		transit end	1131 Oct 29 j 20:51	12° $\text{M}$ 27'15	
direct	1130 Nov 24 j 06:24	20° $\text{M}$ 39'33		morning rise	1131 Nov 04 j 05:12	6° $\text{M}$ 24'07	
morning max el	1130 Dec 03 j 09:03	26° $\text{M}$ 01'13	21°53'58	direct	1131 Nov 08 j 03:19	4° $\text{M}$ 56'39	
	1130 Dec 06 j 23:33	0° $\text{J}$		morning max el	1131 Nov 16 j 04:26	9° $\text{M}$ 35'46	20°36'10
desc. node	1130 Dec 20 j 02:42	17° $\text{J}$ 42'14			1131 Dec 01 j 16:07	0° $\text{J}$	
	1130 Dec 28 j 08:16	0° $\text{Z}$		desc. node	1131 Dec 06 j 23:43	7° $\text{J}$ 55'33	
morning set	1131 Jan 04 j 21:27	11° $\text{Z}$ 49'30		morning set	1131 Dec 14 j 22:30	20° $\text{J}$ 05'48	
max. Earth dist.	1131 Jan 10 j 23:06	21° $\text{Z}$ 44'28	1.41385 AU		1131 Dec 21 j 05:38	0° $\text{Z}$	
	1131 Jan 15 j 19:57	0° $\approx$		max. Earth dist.	1131 Dec 24 j 05:07	4° $\text{Z}$ 46'43	1.43198 AU
superior conj	1131 Jan 18 j 16:10	4° $\approx$ 57'20	-2°03'13	superior conj	1131 Dec 30 j 16:51	15° $\text{Z}$ 26'06	-1°59'16
minimum elong	1131 Jan 18 j 17:12	5° $\approx$ 01'52	2°03'13	minimum elong	1131 Dec 30 j 13:04	15° $\text{Z}$ 10'18	1°59'07

	1132 Jan 08 j 05:24	0°♊		max. Earth dist.	1132 Dec 05 j 18:34	18°♊34'50	1.44477 AU
evening rise	1132 Jan 11 j 21:18	6°♊25'48					
asc. node	1132 Jan 25 j 01:57	28°♊28'37		superior conj	1132 Dec 09 j 14:59	24°♊42'47	-1°37'14
	1132 Jan 26 j 04:51	0°♋		minimum elong	1132 Dec 09 j 06:46	24°♊09'57	1°36'30
evening max el	1132 Jan 29 j 02:46	3°♋22'57	18°08'03		1132 Dec 12 j 21:46	0°♌	
retrograde	1132 Feb 04 j 15:21	6°♋47'03		evening rise	1132 Dec 23 j 16:12	17°♌45'42	
evening set	1132 Feb 07 j 10:07	6°♋09'17			1132 Dec 30 j 23:45	0°♍	
inferior conj	1132 Feb 13 j 19:03	1°♋02'02	3°44'52	asc. node	1133 Jan 10 j 23:00	15°♍59'27	
minimum elong	1132 Feb 13 j 19:44	1°♋00'18	3°44'51	evening max el	1133 Jan 11 j 15:14	16°♍42'09	18°21'50
	1132 Feb 14 j 19:13	30°♌		retrograde	1133 Jan 18 j 03:10	20°♍14'04	
min. Earth dist.	1132 Feb 16 j 17:10	28°♌04'12	0.62087 AU	evening set	1133 Jan 21 j 02:53	19°♍25'39	
morning rise	1132 Feb 20 j 04:06	25°♌05'27		inferior conj	1133 Jan 27 j 02:02	13°♍58'55	3°43'23
direct	1132 Feb 27 j 02:39	22°♌34'26		minimum elong	1133 Jan 27 j 00:55	14°♍02'04	3°43'19
desc. node	1132 Mar 03 j 22:53	24°♌08'12		min. Earth dist.	1133 Jan 29 j 09:15	11°♍22'00	0.63961 AU
	1132 Mar 11 j 16:44	0°♍		morning rise	1133 Feb 01 j 22:20	7°♍53'44	
morning max el	1132 Mar 12 j 04:07	0°♍27'56	27°48'40	direct	1133 Feb 08 j 20:15	5°♍05'17	
	1132 Apr 02 j 15:40	0°♎		desc. node	1133 Feb 18 j 19:56	9°♍35'43	
morning set	1132 Apr 14 j 14:44	22°♎20'26		morning max el	1133 Feb 22 j 12:33	12°♍57'17	27°33'34
	1132 Apr 18 j 07:06	0°♏			1133 Mar 08 j 05:09	0°♐	
max. Earth dist.	1132 Apr 20 j 08:26	4°♏23'53	1.32571 AU		1133 Mar 26 j 04:01	0°♑	
				morning set	1133 Mar 29 j 10:36	6°♑20'35	
superior conj	1132 Apr 22 j 01:27	8°♏06'05	0°00'06	max. Earth dist.	1133 Apr 03 j 11:20	16°♑35'23	1.33287 AU
minimum elong	1132 Apr 22 j 01:27	8°♏06'01	0°00'05				
behind sun begin	1132 Apr 21 j 20:22	7°♏38'24		superior conj	1133 Apr 06 j 07:56	22°♑37'59	-0°27'06
behind sun end	1132 Apr 22 j 06:32	8°♏33'40		minimum elong	1133 Apr 06 j 09:16	22°♑45'05	0°26'49
asc. node	1132 Apr 22 j 01:13	8°♏04'49		asc. node	1133 Apr 08 j 22:17	28°♑12'19	
evening rise	1132 Apr 29 j 00:07	23°♏08'17			1133 Apr 09 j 18:19	0°♒	
	1132 May 02 j 07:34	0°♓		evening rise	1133 Apr 13 j 11:41	7°♒56'46	
	1132 May 21 j 02:48	0°♈			1133 Apr 25 j 03:43	0°♓	
evening max el	1132 May 23 j 22:39	2°♈57'00	24°18'41	evening max el	1133 May 05 j 13:25	13°♓28'07	22°42'58
desc. node	1132 May 30 j 22:07	8°♈08'46		desc. node	1133 May 17 j 19:08	19°♓59'23	
retrograde	1132 Jun 06 j 19:24	9°♈56'25		retrograde	1133 May 18 j 18:23	20°♓01'31	
evening set	1132 Jun 11 j 11:08	9°♈08'07		evening set	1133 May 21 j 23:38	19°♓38'45	
min. Earth dist.	1132 Jun 17 j 09:42	6°♈10'50	0.56674 AU	min. Earth dist.	1133 May 29 j 21:38	16°♓10'50	0.55379 AU
inferior conj	1132 Jun 20 j 01:17	4°♈30'44	-4°35'51	inferior conj	1133 May 31 j 05:57	15°♓24'36	-3°33'24
minimum elong	1132 Jun 19 j 20:40	4°♈38'03	4°35'17	minimum elong	1133 May 30 j 22:19	15°♓35'33	3°31'25
morning rise	1132 Jun 28 j 08:56	0°♈28'17		morning rise	1133 Jun 08 j 23:19	11°♓32'10	
direct	1132 Jul 01 j 00:34	0°♈09'24		direct	1133 Jun 11 j 19:43	11°♓13'21	
morning max el	1132 Jul 10 j 13:55	4°♈35'39	19°36'04	morning max el	1133 Jun 23 j 00:07	16°♓24'41	20°52'10
asc. node	1132 Jul 19 j 00:27	15°♈36'12			1133 Jul 03 j 07:42	0°♉	
	1132 Jul 26 j 19:43	0°♊		asc. node	1133 Jul 05 j 21:31	4°♉31'12	
morning set	1132 Jul 28 j 02:13	2°♊32'21		morning set	1133 Jul 12 j 09:12	17°♉14'07	
					1133 Jul 18 j 12:44	0°♊	
superior conj	1132 Aug 05 j 01:47	18°♊34'09	1°46'18				
minimum elong	1132 Aug 05 j 02:04	18°♊35'31	1°46'17	superior conj	1133 Jul 19 j 20:58	2°♊46'01	1°43'37
max. Earth dist.	1132 Aug 11 j 01:42	0°♋04'26	1.37557 AU	minimum elong	1133 Jul 19 j 19:45	2°♊39'48	1°43'34
	1132 Aug 11 j 00:44	0°♌		max. Earth dist.	1133 Jul 24 j 10:12	11°♊55'25	1.35747 AU
evening rise	1132 Aug 14 j 20:32	6°♌58'07		evening rise	1133 Jul 28 j 13:26	19°♊51'47	
desc. node	1132 Aug 26 j 21:29	27°♌01'07			1133 Aug 03 j 04:06	0°♍	
	1132 Aug 28 j 20:03	0°♎		desc. node	1133 Aug 13 j 18:30	17°♍13'06	
evening max el	1132 Sep 19 j 15:48	28°♎14'48	25°18'58		1133 Aug 22 j 20:08	0°♏	
	1132 Sep 21 j 12:48	0°♐		evening max el	1133 Sep 02 j 03:41	11°♏52'53	26°22'53
retrograde	1132 Oct 01 j 15:24	5°♐09'22		retrograde	1133 Sep 14 j 21:56	19°♏04'20	
evening set	1132 Oct 07 j 12:12	2°♐41'28		evening set	1133 Sep 21 j 08:38	16°♏24'17	
	1132 Oct 10 j 03:09	30°♑		min. Earth dist.	1133 Sep 25 j 11:46	12°♏03'40	0.66302 AU
min. Earth dist.	1132 Oct 11 j 22:53	27°♏44'19	0.67125 AU	inferior conj	1133 Sep 27 j 01:06	10°♏09'45	-1°37'46
inferior conj	1132 Oct 13 j 00:39	26°♏20'41	-0°40'32	minimum elong	1133 Sep 27 j 03:39	10°♏01'58	1°36'44
minimum elong	1132 Oct 13 j 01:41	26°♏17'21	0°40'04	asc. node	1133 Oct 01 j 20:44	5°♏05'59	
asc. node	1132 Oct 14 j 23:42	23°♏52'25		morning rise	1133 Oct 02 j 23:07	4°♏22'07	
morning rise	1132 Oct 18 j 15:21	20°♏22'39		direct	1133 Oct 05 j 23:48	3°♏30'06	
direct	1132 Oct 22 j 01:41	19°♏14'40		morning max el	1133 Oct 12 j 17:43	7°♏14'01	18°41'53
morning max el	1132 Oct 29 j 07:41	23°♏20'55	19°31'22		1133 Oct 28 j 17:42	0°♐	
	1132 Nov 03 j 20:52	0°♑		morning set	1133 Nov 02 j 15:16	7°♐46'40	
greatest brilliancy	1132 Nov 11 j 21:31	11°♑34'35	-0.7m	desc. node	1133 Nov 09 j 17:50	19°♐01'39	
morning set	1132 Nov 22 j 20:42	28°♑23'11			1133 Nov 16 j 17:13	0°♒	
desc. node	1132 Nov 22 j 20:45	28°♑23'26					
	1132 Nov 23 j 21:41	0°♓		superior conj	1133 Nov 18 j 18:23	3°♓13'06	-0°57'31

minimum elong	1133 Nov 18 j 11:15	2°♌45'03	0°56'39			1134 Oct 21 j 13:22	0°♍	
max. Earth dist.	1133 Nov 18 j 12:21	2°♌49'25	1.45069 AU	desc. node		1134 Oct 27 j 14:52	9°♍45'48	
evening rise	1133 Dec 04 j 12:01	28°♌08'09						
	1133 Dec 05 j 15:57	0°♊		superior conj		1134 Oct 28 j 22:40	11°♍52'23	-0°08'50
greatest brilliancy	1133 Dec 12 j 00:47	10°♊11'30	-0.9m	minimum elong		1134 Oct 28 j 21:32	11°♍47'56	0°08'41
	1133 Dec 25 j 22:53	0°♋		behind sun begin		1134 Oct 28 j 12:17	11°♍11'06	
evening max el	1133 Dec 26 j 01:56	0°♋07'52	18°53'37	behind sun end		1134 Oct 29 j 06:48	12°♍24'43	
asc. node	1133 Dec 28 j 20:03	2°♋31'00		max. Earth dist.		1134 Nov 01 j 06:59	17°♍10'10	1.44920 AU
retrograde	1134 Jan 01 j 21:14	3°♋58'24				1134 Nov 09 j 11:43	0°♌	
evening set	1134 Jan 05 j 02:47	2°♋58'18		evening rise		1134 Nov 14 j 09:26	7°♌37'17	
	1134 Jan 08 j 11:29	30°♋		greatest brilliancy		1134 Nov 27 j 05:45	27°♌21'25	-0.7m
inferior conj	1134 Jan 10 j 19:06	27°♋14'27	3°26'14			1134 Nov 29 j 00:20	0°♊	
minimum elong	1134 Jan 10 j 16:53	27°♋21'21	3°25'52	evening max el		1134 Dec 09 j 08:47	13°♋36'35	19°42'01
min. Earth dist.	1134 Jan 12 j 10:58	25°♋10'50	0.65481 AU	asc. node		1134 Dec 15 j 17:04	17°♋48'25	
morning rise	1134 Jan 16 j 06:38	21°♋04'13		retrograde		1134 Dec 16 j 18:23	17°♋54'37	
direct	1134 Jan 22 j 20:46	18°♋12'44		evening set		1134 Dec 20 j 07:17	16°♋41'22	
morning max el	1134 Feb 04 j 22:28	25°♋53'12	26°46'26	inferior conj		1134 Dec 25 j 19:08	10°♋43'05	2°57'32
desc. node	1134 Feb 05 j 17:00	26°♋40'32		minimum elong		1134 Dec 25 j 16:27	10°♋51'55	2°56'50
	1134 Feb 08 j 17:43	0°♋		min. Earth dist.		1134 Dec 26 j 20:47	9°♋18'34	0.66602 AU
	1134 Mar 01 j 17:55	0°♌		morning rise		1134 Dec 31 j 01:24	4°♋30'23	
morning set	1134 Mar 12 j 19:49	19°♌44'52		direct		1135 Jan 06 j 03:19	1°♋48'04	
max. Earth dist.	1134 Mar 17 j 03:46	28°♌12'46	1.34451 AU	morning max el		1135 Jan 18 j 07:34	9°♋02'48	25°35'41
	1134 Mar 18 j 01:06	0°♍		desc. node		1135 Jan 23 j 14:05	14°♋54'34	
						1135 Feb 03 j 20:05	0°♋	
superior conj	1134 Mar 21 j 08:50	6°♍48'22	-0°54'33			1135 Feb 22 j 06:53	0°♌	
minimum elong	1134 Mar 21 j 11:31	7°♍02'20	0°54'03	morning set		1135 Feb 23 j 13:55	2°♌20'23	
asc. node	1134 Mar 26 j 19:21	18°♍12'47		max. Earth dist.		1135 Feb 27 j 08:15	9°♌20'33	1.36069 AU
evening rise	1134 Mar 28 j 21:18	22°♍33'51						
	1134 Apr 01 j 13:05	0°♎		superior conj		1135 Mar 05 j 01:30	20°♌29'59	-1°20'39
evening max el	1134 Apr 17 j 11:07	24°♎14'24	21°12'43	minimum elong		1135 Mar 05 j 05:16	20°♌48'52	1°20'05
	1134 Apr 28 j 10:29	0°♏				1135 Mar 09 j 17:55	0°♍	
retrograde	1134 Apr 29 j 08:36	0°♏02'02		evening rise		1135 Mar 13 j 02:53	6°♍53'32	
	1134 Apr 30 j 06:55	30°♎		asc. node		1135 Mar 13 j 16:24	8°♍02'02	
evening set	1134 May 01 j 15:20	29°♎49'59				1135 Mar 26 j 01:47	0°♎	
desc. node	1134 May 04 j 16:10	28°♎59'42		evening max el		1135 Mar 30 j 20:07	5°♎36'38	19°57'22
inferior conj	1134 May 11 j 00:18	25°♎50'49	-1°48'55	retrograde		1135 Apr 10 j 00:09	10°♎30'25	
minimum elong	1134 May 10 j 19:13	25°♎57'58	1°47'08	evening set		1135 Apr 12 j 01:26	10°♎19'20	
min. Earth dist.	1134 May 11 j 10:13	25°♎36'51	0.54933 AU	inferior conj		1135 Apr 20 j 22:34	6°♎19'19	0°10'33
morning rise	1134 May 19 j 23:20	21°♎49'54		minimum elong		1135 Apr 20 j 23:03	6°♎18'36	0°10'23
direct	1134 May 23 j 05:33	21°♎26'53		transit middle		1135 Apr 20 j 23:03	6°♎18'36	0°10'23
morning max el	1134 Jun 04 j 23:34	27°♎30'59	22°25'19	transit begin		1135 Apr 20 j 20:01	6°♎23'12	
	1134 Jun 07 j 10:20	0°♏		transit end		1135 Apr 21 j 02:04	6°♎14'00	
asc. node	1134 Jun 22 j 18:36	23°♏53'55		desc. node		1135 Apr 21 j 13:13	5°♎57'02	
	1134 Jun 25 j 19:09	0°♐		min. Earth dist.		1135 Apr 23 j 00:09	5°♎04'10	0.55463 AU
morning set	1134 Jun 26 j 19:27	2°♐06'11		morning rise		1135 Apr 29 j 18:29	1°♎51'58	
				direct		1135 May 03 j 20:21	1°♎15'20	
superior conj	1134 Jul 03 j 23:50	17°♐21'02	1°34'29	morning max el		1135 May 17 j 15:41	8°♎06'19	24°06'43
minimum elong	1134 Jul 03 j 21:43	17°♐09'52	1°34'18			1135 Jun 02 j 14:04	0°♏	
max. Earth dist.	1134 Jul 07 j 03:16	23°♐55'38	1.34285 AU	asc. node		1135 Jun 09 j 15:40	13°♏36'57	
	1134 Jul 10 j 02:59	0°♑		morning set		1135 Jun 11 j 07:12	17°♏03'04	
evening rise	1134 Jul 11 j 21:35	3°♑30'21				1135 Jun 17 j 07:35	0°♐	
	1134 Jul 26 j 23:36	0°♒						
desc. node	1134 Jul 31 j 15:31	7°♒00'47		superior conj		1135 Jun 18 j 07:42	2°♐10'38	1°20'11
evening max el	1134 Aug 15 j 15:40	25°♒22'27	27°07'26	minimum elong		1135 Jun 18 j 05:16	1°♐57'26	1°19'51
	1134 Aug 21 j 08:08	0°♓		max. Earth dist.		1135 Jun 20 j 05:30	6°♐17'07	1.33224 AU
retrograde	1134 Aug 28 j 23:09	2°♓41'05		evening rise		1135 Jun 25 j 16:48	17°♐41'46	
evening set	1134 Sep 04 j 21:11	29°♒56'19				1135 Jul 02 j 01:49	0°♑	
	1134 Sep 04 j 19:19	30°♒		desc. node		1135 Jul 18 j 12:30	26°♑13'52	
min. Earth dist.	1134 Sep 08 j 17:29	26°♒12'08	0.65122 AU			1135 Jul 21 j 09:57	0°♒	
inferior conj	1134 Sep 10 j 19:16	23°♒52'06	-2°34'46	evening max el		1135 Jul 29 j 02:35	8°♒32'37	27°25'40
minimum elong	1134 Sep 10 j 23:16	23°♒40'50	2°33'20	retrograde		1135 Aug 11 j 18:20	15°♒51'04	
morning rise	1134 Sep 17 j 02:08	18°♒17'50		evening set		1135 Aug 18 j 22:46	13°♒12'18	
asc. node	1134 Sep 18 j 17:48	17°♒44'13		min. Earth dist.		1135 Aug 22 j 14:02	10°♒01'22	0.63586 AU
direct	1134 Sep 19 j 19:34	17°♒37'59		inferior conj		1135 Aug 25 j 04:35	7°♒22'24	-3°28'39
morning max el	1134 Sep 26 j 08:06	21°♒08'46	18°08'52	minimum elong		1135 Aug 25 j 09:34	7°♒09'42	3°27'12
	1134 Oct 03 j 03:31	0°♓		morning rise		1135 Aug 31 j 21:30	2°♒04'44	
morning set	1134 Oct 14 j 14:45	18°♓35'50		direct		1135 Sep 03 j 10:17	1°♒33'30	

asc. node	1135 Sep 05 j 14:52	1° $\mathbb{M}$ 57'18		morning max el	1136 Aug 23 j 14:47	18° $\Omega$ 38'39	17°56'11
morning max el	1135 Sep 10 j 00:06	4° $\mathbb{M}$ 59'14	17°53'17		1136 Aug 31 j 20:18	0° $\mathbb{M}$	
	1135 Sep 26 j 06:56	0° $\underline{\Omega}$		morning set	1136 Sep 08 j 13:20	13° $\mathbb{M}$ 41'21	
morning set	1135 Sep 26 j 16:10	0° $\underline{\Omega}$ 40'08			1136 Sep 17 j 15:21	0° $\underline{\Omega}$	
superior conj	1135 Oct 08 j 23:08	21° $\underline{\Omega}$ 33'11	0°36'38	superior conj	1136 Sep 19 j 02:58	2° $\underline{\Omega}$ 35'07	1°11'14
minimum elong	1135 Oct 09 j 02:49	21° $\underline{\Omega}$ 48'20	0°36'08	minimum elong	1136 Sep 19 j 07:41	2° $\underline{\Omega}$ 55'31	1°10'41
desc. node	1135 Oct 14 j 11:51	0° $\mathbb{M}$ 32'41		max. Earth dist.	1136 Sep 26 j 13:16	15° $\underline{\Omega}$ 07'40	1.42608 AU
	1135 Oct 14 j 03:43	0° $\mathbb{M}$		desc. node	1136 Sep 30 j 08:51	21° $\underline{\Omega}$ 19'24	
max. Earth dist.	1135 Oct 15 j 00:03	1° $\mathbb{M}$ 21'30	1.44065 AU	evening rise	1136 Oct 03 j 06:10	25° $\underline{\Omega}$ 54'51	
evening rise	1135 Oct 24 j 17:50	16° $\mathbb{M}$ 38'27			1136 Oct 05 j 20:54	0° $\mathbb{M}$	
	1135 Nov 02 j 12:40	0° $\mathbb{M}$			1136 Oct 26 j 10:43	0° $\mathbb{M}$	
evening max el	1135 Nov 22 j 10:24	27° $\mathbb{M}$ 06'10	20°44'35	evening max el	1136 Nov 04 j 06:21	10° $\mathbb{M}$ 36'49	21°57'49
	1135 Nov 25 j 16:31	0° $\mathbb{M}$		retrograde	1136 Nov 13 j 12:35	16° $\mathbb{M}$ 07'17	
retrograde	1135 Nov 30 j 16:05	1° $\mathbb{M}$ 58'23		evening set	1136 Nov 17 j 21:58	14° $\mathbb{M}$ 22'32	
asc. node	1135 Dec 02 j 14:07	1° $\mathbb{M}$ 37'41		asc. node	1136 Nov 18 j 11:09	13° $\mathbb{M}$ 54'23	
evening set	1135 Dec 04 j 14:16	0° $\mathbb{M}$ 30'12		inferior conj	1136 Nov 23 j 06:22	8° $\mathbb{M}$ 04'33	1°35'29
	1135 Dec 05 j 05:09	30° $\mathbb{M}$ 30'12		minimum elong	1136 Nov 23 j 04:21	8° $\mathbb{M}$ 11'30	1°34'43
inferior conj	1135 Dec 09 j 23:34	24° $\mathbb{M}$ 20'27	2°19'57	min. Earth dist.	1136 Nov 23 j 07:52	7° $\mathbb{M}$ 59'18	0.67710 AU
minimum elong	1135 Dec 09 j 21:00	24° $\mathbb{M}$ 29'15	2°19'06	morning rise	1136 Nov 28 j 10:36	1° $\mathbb{M}$ 52'41	
min. Earth dist.	1135 Dec 10 j 12:31	23° $\mathbb{M}$ 36'14	0.67337 AU		1136 Dec 01 j 21:08	30° $\mathbb{M}$	
morning rise	1135 Dec 15 j 03:33	18° $\mathbb{M}$ 07'13		direct	1136 Dec 03 j 06:46	29° $\mathbb{M}$ 50'13	
direct	1135 Dec 20 j 14:53	15° $\mathbb{M}$ 42'39			1136 Dec 04 j 17:35	0° $\mathbb{M}$	
morning max el	1135 Dec 31 j 15:48	22° $\mathbb{M}$ 17'42	24°11'11	morning max el	1136 Dec 13 j 01:53	5° $\mathbb{M}$ 38'16	22°42'58
	1136 Jan 07 j 09:34	0° $\mathbb{M}$		desc. node	1136 Dec 27 j 08:07	23° $\mathbb{M}$ 34'13	
desc. node	1136 Jan 10 j 11:06	3° $\mathbb{M}$ 57'00			1136 Dec 31 j 19:07	0° $\mathbb{M}$	
	1136 Jan 28 j 03:52	0° $\mathbb{M}$		morning set	1137 Jan 16 j 04:50	23° $\mathbb{M}$ 57'55	
morning set	1136 Feb 05 j 10:56	13° $\mathbb{M}$ 49'39			1137 Jan 19 j 19:39	0° $\mathbb{M}$	
max. Earth dist.	1136 Feb 09 j 04:29	20° $\mathbb{M}$ 24'34	1.38059 AU	max. Earth dist.	1137 Jan 21 j 00:23	2° $\mathbb{M}$ 02'08	1.40205 AU
	1136 Feb 14 j 09:36	0° $\mathbb{M}$					
superior conj	1136 Feb 16 j 06:23	3° $\mathbb{M}$ 32'33	-1°43'10	superior conj	1137 Jan 28 j 19:04	15° $\mathbb{M}$ 44'46	-1°58'52
minimum elong	1136 Feb 16 j 10:27	3° $\mathbb{M}$ 52'02	1°42'44	minimum elong	1137 Jan 28 j 21:52	15° $\mathbb{M}$ 57'29	1°58'45
evening rise	1136 Feb 25 j 01:56	20° $\mathbb{M}$ 47'59		evening rise	1137 Feb 05 j 10:47	0° $\mathbb{M}$	
asc. node	1136 Feb 28 j 13:26	27° $\mathbb{M}$ 34'19		asc. node	1137 Feb 07 j 15:27	4° $\mathbb{M}$ 09'52	
	1136 Feb 29 j 20:14	0° $\mathbb{M}$			1137 Feb 14 j 10:27	16° $\mathbb{M}$ 43'42	
evening max el	1136 Mar 12 j 16:10	17° $\mathbb{M}$ 37'19	19°01'01	evening max el	1137 Feb 23 j 16:25	0° $\mathbb{M}$	
retrograde	1136 Mar 21 j 05:37	21° $\mathbb{M}$ 45'49		retrograde	1137 Feb 23 j 20:43	0° $\mathbb{M}$ 10'35	18°24'47
evening set	1136 Mar 23 j 10:45	21° $\mathbb{M}$ 30'22		evening set	1137 Mar 03 j 06:20	3° $\mathbb{M}$ 49'47	
inferior conj	1136 Mar 31 j 12:59	17° $\mathbb{M}$ 15'53	1°52'22		1137 Mar 05 j 17:02	3° $\mathbb{M}$ 26'59	
minimum elong	1136 Mar 31 j 16:50	17° $\mathbb{M}$ 09'09	1°51'11	inferior conj	1137 Mar 11 j 14:55	30° $\mathbb{M}$ 30'13	
min. Earth dist.	1136 Apr 03 j 15:44	15° $\mathbb{M}$ 06'09	0.56843 AU	minimum elong	1137 Mar 13 j 00:34	28° $\mathbb{M}$ 52'21	3°00'42
desc. node	1136 Apr 07 j 10:16	12° $\mathbb{M}$ 52'28		min. Earth dist.	1137 Mar 13 j 04:20	28° $\mathbb{M}$ 44'37	2°59'54
morning rise	1136 Apr 08 j 19:54	12° $\mathbb{M}$ 14'59		morning rise	1137 Mar 16 j 11:03	26° $\mathbb{M}$ 04'51	0.58769 AU
direct	1136 Apr 13 j 23:42	11° $\mathbb{M}$ 12'06		desc. node	1137 Mar 20 j 13:00	23° $\mathbb{M}$ 22'17	
morning max el	1136 Apr 28 j 06:16	18° $\mathbb{M}$ 34'49	25°42'49	direct	1137 Mar 25 j 07:18	21° $\mathbb{M}$ 48'32	
	1136 May 07 j 19:25	0° $\mathbb{M}$		morning max el	1137 Mar 26 j 16:19	21° $\mathbb{M}$ 43'34	
	1136 May 24 j 20:05	0° $\mathbb{M}$			1137 Apr 10 j 00:57	29° $\mathbb{M}$ 25'02	26°58'07
morning set	1136 May 25 j 18:49	1° $\mathbb{M}$ 59'06			1137 Apr 10 j 15:03	0° $\mathbb{M}$	
asc. node	1136 May 26 j 12:42	3° $\mathbb{M}$ 33'43		morning set	1137 Apr 01 j 14:34	0° $\mathbb{M}$	
				asc. node	1137 May 10 j 04:39	16° $\mathbb{M}$ 48'42	
superior conj	1136 Jun 01 j 18:25	17° $\mathbb{M}$ 07'17	1°01'41		1137 May 13 j 09:43	23° $\mathbb{M}$ 39'15	
minimum elong	1136 Jun 01 j 16:10	16° $\mathbb{M}$ 54'52	1°01'17		1137 May 16 j 07:28	0° $\mathbb{M}$	
max. Earth dist.	1136 Jun 02 j 14:36	18° $\mathbb{M}$ 57'45	1.32554 AU	superior conj	1137 May 17 j 06:10	2° $\mathbb{M}$ 04'52	0°39'46
	1136 Jun 07 j 17:47	0° $\mathbb{M}$		minimum elong	1137 May 17 j 04:31	1° $\mathbb{M}$ 55'45	0°39'25
evening rise	1136 Jun 08 j 19:44	2° $\mathbb{M}$ 15'18		max. Earth dist.	1137 May 17 j 02:57	1° $\mathbb{M}$ 47'10	1.32260 AU
	1136 Jun 23 j 23:03	0° $\Omega$		evening rise	1137 May 24 j 03:43	17° $\mathbb{M}$ 02'13	
desc. node	1136 Jul 04 j 09:31	14° $\Omega$ 37'58			1137 May 30 j 14:56	0° $\mathbb{M}$	
evening max el	1136 Jul 10 j 09:56	21° $\Omega$ 09'43	27°12'21		1137 Jun 19 j 11:59	0° $\Omega$	
retrograde	1136 Jul 24 j 06:32	28° $\Omega$ 25'10		desc. node	1137 Jun 21 j 06:33	1° $\Omega$ 52'18	
evening set	1136 Jul 31 j 09:28	26° $\Omega$ 05'18		evening max el	1137 Jun 22 j 10:56	3° $\Omega$ 01'59	26°25'50
min. Earth dist.	1136 Aug 04 j 00:06	23° $\Omega$ 19'06	0.61736 AU	retrograde	1137 Jul 06 j 10:38	10° $\Omega$ 14'49	
inferior conj	1136 Aug 07 j 01:58	20° $\Omega$ 32'58	-4°14'50	evening set	1137 Jul 13 j 00:35	8° $\Omega$ 26'31	
minimum elong	1136 Aug 07 j 06:49	20° $\Omega$ 22'00	4°13'51	min. Earth dist.	1137 Jul 16 j 24:00	5° $\Omega$ 50'06	0.59691 AU
morning rise	1136 Aug 14 j 05:42	15° $\Omega$ 35'21		inferior conj	1137 Jul 20 j 07:47	3° $\Omega$ 13'46	-4°45'54
direct	1136 Aug 16 j 16:29	15° $\Omega$ 09'51		minimum elong	1137 Jul 20 j 10:33	3° $\Omega$ 08'19	4°45'39
asc. node	1136 Aug 22 j 11:55	17° $\Omega$ 37'42			1137 Jul 24 j 21:05	30° $\mathbb{M}$ 30'13	

morning rise	1137 Jul 27 j 22:35	28° $\mathfrak{C}$ 38'50		inferior conj	1138 Jul 01 j 18:49	15° $\mathfrak{C}$ 16'14	-4°50'34
direct	1137 Jul 30 j 09:50	28° $\mathfrak{C}$ 17'02		minimum elong	1138 Jul 01 j 17:12	15° $\mathfrak{C}$ 19'02	4°50'30
	1137 Aug 04 j 14:41	0° $\mathfrak{Q}$		morning rise	1138 Jul 09 j 20:28	11° $\mathfrak{C}$ 03'30	
morning max el	1137 Aug 07 j 01:05	1° $\mathfrak{Q}$ 58'27	18°18'39	direct	1138 Jul 12 j 09:56	10° $\mathfrak{C}$ 44'01	
asc. node	1137 Aug 09 j 08:57	4° $\mathfrak{Q}$ 30'21		morning max el	1138 Jul 21 j 03:58	14° $\mathfrak{C}$ 50'11	19°01'44
morning set	1137 Aug 23 j 00:36	27° $\mathfrak{Q}$ 22'52		asc. node	1138 Jul 27 j 05:59	22° $\mathfrak{C}$ 20'40	
	1137 Aug 24 j 09:36	0° $\mathfrak{P}$			1138 Jul 31 j 20:20	0° $\mathfrak{Q}$	
				morning set	1138 Aug 06 j 21:51	11° $\mathfrak{Q}$ 34'00	
superior conj	1137 Sep 01 j 07:23	14° $\mathfrak{P}$ 49'33	1°33'22				
minimum elong	1137 Sep 01 j 10:45	15° $\mathfrak{P}$ 04'58	1°33'05	superior conj	1138 Aug 15 j 06:47	28° $\mathfrak{Q}$ 00'53	1°44'17
max. Earth dist.	1137 Sep 08 j 20:47	28° $\mathfrak{P}$ 12'10	1.40733 AU	minimum elong	1138 Aug 15 j 08:09	28° $\mathfrak{Q}$ 07'27	1°44'14
	1137 Sep 09 j 22:07	0° $\mathfrak{C}$			1138 Aug 16 j 07:41	0° $\mathfrak{P}$	
evening rise	1137 Sep 13 j 13:07	6° $\mathfrak{C}$ 03'04		max. Earth dist.	1138 Aug 22 j 00:11	10° $\mathfrak{P}$ 32'37	1.38697 AU
desc. node	1137 Sep 17 j 05:52	12° $\mathfrak{C}$ 02'02		evening rise	1138 Aug 25 j 20:31	17° $\mathfrak{P}$ 19'57	
	1137 Sep 29 j 01:21	0° $\mathfrak{M}$			1138 Sep 02 j 11:21	0° $\mathfrak{C}$	
evening max el	1137 Oct 17 j 21:26	24° $\mathfrak{M}$ 08'53	23°17'06	desc. node	1138 Sep 04 j 02:54	2° $\mathfrak{C}$ 36'45	
	1137 Oct 26 j 06:22	0° $\mathfrak{X}$			1138 Sep 23 j 11:48	0° $\mathfrak{M}$	
retrograde	1137 Oct 28 j 06:26	0° $\mathfrak{X}$ 17'36		evening max el	1138 Sep 30 j 09:46	7° $\mathfrak{M}$ 44'30	24°36'18
	1137 Oct 30 j 04:18	30° $\mathfrak{R}$ $\mathfrak{M}$		retrograde	1138 Oct 11 j 20:36	14° $\mathfrak{M}$ 25'39	
evening set	1137 Nov 02 j 04:45	28° $\mathfrak{M}$ 15'25		evening set	1138 Oct 17 j 08:58	12° $\mathfrak{M}$ 06'35	
asc. node	1137 Nov 05 j 08:11	24° $\mathfrak{M}$ 52'17		min. Earth dist.	1138 Oct 22 j 00:09	6° $\mathfrak{M}$ 49'01	0.67440 AU
min. Earth dist.	1137 Nov 07 j 04:32	22° $\mathfrak{M}$ 24'14	0.67739 AU	inferior conj	1138 Oct 22 j 19:43	5° $\mathfrak{M}$ 43'45	-0°08'12
inferior conj	1137 Nov 07 j 13:39	21° $\mathfrak{M}$ 52'57	0°45'39	minimum elong	1138 Oct 22 j 19:55	5° $\mathfrak{M}$ 43'05	0°08'06
minimum elong	1137 Nov 07 j 12:36	21° $\mathfrak{M}$ 56'34	0°45'13	transit middle	1138 Oct 22 j 19:55	5° $\mathfrak{M}$ 43'05	0°08'06
morning rise	1137 Nov 12 j 20:23	15° $\mathfrak{M}$ 44'25		transit begin	1138 Oct 22 j 17:32	5° $\mathfrak{M}$ 51'02	
direct	1137 Nov 17 j 02:03	14° $\mathfrak{M}$ 04'48		transit end	1138 Oct 22 j 22:18	5° $\mathfrak{M}$ 35'09	
morning max el	1137 Nov 25 j 17:15	19° $\mathfrak{M}$ 07'14	21°19'32	asc. node	1138 Oct 23 j 05:13	5° $\mathfrak{M}$ 12'07	
	1137 Dec 04 j 16:13	0° $\mathfrak{X}$			1138 Oct 27 j 20:49	30° $\mathfrak{R}$ $\mathfrak{C}$	
desc. node	1137 Dec 14 j 05:08	13° $\mathfrak{X}$ 36'11		morning rise	1138 Oct 28 j 06:58	29° $\mathfrak{C}$ 40'58	
	1137 Dec 24 j 23:50	0° $\mathfrak{Z}$		direct	1138 Oct 31 j 23:44	28° $\mathfrak{C}$ 22'21	
morning set	1137 Dec 26 j 18:09	2° $\mathfrak{Z}$ 45'57			1138 Nov 05 j 10:24	0° $\mathfrak{M}$	
max. Earth dist.	1138 Jan 03 j 01:55	14° $\mathfrak{Z}$ 32'39	1.42211 AU	morning max el	1138 Nov 08 j 16:04	2° $\mathfrak{M}$ 46'39	20°06'49
					1138 Nov 28 j 12:08	0° $\mathfrak{X}$	
superior conj	1138 Jan 10 j 10:17	26° $\mathfrak{Z}$ 53'56	-2°03'32	desc. node	1138 Dec 01 j 02:10	3° $\mathfrak{X}$ 56'02	
minimum elong	1138 Jan 10 j 09:29	26° $\mathfrak{Z}$ 50'29	2°03'31	morning set	1138 Dec 05 j 14:46	10° $\mathfrak{X}$ 53'17	
	1138 Jan 12 j 05:16	0° $\mathfrak{A}$		max. Earth dist.	1138 Dec 16 j 10:53	27° $\mathfrak{X}$ 54'35	1.43815 AU
evening rise	1138 Jan 21 j 15:48	16° $\mathfrak{A}$ 50'52			1138 Dec 17 j 18:10	0° $\mathfrak{Z}$	
	1138 Jan 29 j 00:43	0° $\mathfrak{H}$					
asc. node	1138 Feb 01 j 07:29	5° $\mathfrak{H}$ 22'47		superior conj	1138 Dec 21 j 23:34	6° $\mathfrak{Z}$ 51'12	-1°52'17
evening max el	1138 Feb 07 j 06:43	13° $\mathfrak{H}$ 08'10	18°08'33	minimum elong	1138 Dec 21 j 17:33	6° $\mathfrak{Z}$ 26'37	1°51'54
retrograde	1138 Feb 14 j 00:07	16° $\mathfrak{H}$ 33'58		evening rise	1139 Jan 03 j 22:42	28° $\mathfrak{Z}$ 42'26	
evening set	1138 Feb 16 j 15:56	16° $\mathfrak{H}$ 02'06			1139 Jan 04 j 16:40	0° $\mathfrak{A}$	
inferior conj	1138 Feb 23 j 08:03	11° $\mathfrak{H}$ 06'39	3°36'24	asc. node	1139 Jan 19 j 04:32	23° $\mathfrak{A}$ 21'58	
minimum elong	1138 Feb 23 j 09:57	11° $\mathfrak{H}$ 02'08	3°36'14	evening max el	1139 Jan 21 j 19:08	26° $\mathfrak{A}$ 21'46	18°11'39
min. Earth dist.	1138 Feb 26 j 13:05	8° $\mathfrak{H}$ 05'20	0.60889 AU	retrograde	1139 Jan 28 j 06:31	29° $\mathfrak{A}$ 47'50	
morning rise	1138 Mar 02 j 02:10	5° $\mathfrak{H}$ 17'02		evening set	1139 Jan 31 j 03:14	29° $\mathfrak{A}$ 05'49	
direct	1138 Mar 08 j 20:33	3° $\mathfrak{H}$ 02'24		inferior conj	1139 Feb 06 j 07:38	23° $\mathfrak{A}$ 50'19	3°46'29
desc. node	1138 Mar 12 j 04:20	3° $\mathfrak{H}$ 32'40		minimum elong	1139 Feb 06 j 07:29	23° $\mathfrak{A}$ 50'43	3°46'29
morning max el	1138 Mar 23 j 02:02	10° $\mathfrak{H}$ 54'22	27°40'55	min. Earth dist.	1139 Feb 08 j 23:49	20° $\mathfrak{A}$ 58'57	0.62919 AU
	1138 Apr 06 j 23:56	0° $\mathfrak{Y}$		morning rise	1139 Feb 12 j 10:45	17° $\mathfrak{A}$ 49'20	
	1138 Apr 23 j 18:10	0° $\mathfrak{B}$		direct	1139 Feb 19 j 10:07	15° $\mathfrak{A}$ 08'45	
morning set	1138 Apr 24 j 10:56	1° $\mathfrak{B}$ 25'57		desc. node	1139 Feb 27 j 01:23	17° $\mathfrak{A}$ 48'41	
asc. node	1138 Apr 30 j 06:46	13° $\mathfrak{B}$ 49'19		morning max el	1139 Mar 05 j 08:23	23° $\mathfrak{A}$ 03'32	27°46'30
max. Earth dist.	1138 Apr 30 j 14:43	14° $\mathfrak{B}$ 32'40	1.32340 AU		1139 Mar 11 j 12:47	0° $\mathfrak{H}$	
					1139 Mar 31 j 05:18	0° $\mathfrak{Y}$	
superior conj	1138 May 01 j 17:18	16° $\mathfrak{B}$ 57'58	0°15'12	morning set	1139 Apr 08 j 11:21	15° $\mathfrak{Y}$ 42'01	
minimum elong	1138 May 01 j 16:37	16° $\mathfrak{B}$ 54'11	0°15'02	max. Earth dist.	1139 Apr 13 j 21:46	26° $\mathfrak{Y}$ 58'57	1.32817 AU
behind sun begin	1138 May 01 j 15:01	16° $\mathfrak{B}$ 45'23			1139 Apr 15 j 07:35	0° $\mathfrak{B}$	
behind sun end	1138 May 01 j 18:13	17° $\mathfrak{B}$ 02'58					
	1138 May 07 j 16:55	0° $\mathfrak{I}$		superior conj	1139 Apr 16 j 02:02	1° $\mathfrak{B}$ 39'24	-0°11'20
evening rise	1138 May 08 j 14:36	1° $\mathfrak{I}$ 55'30		minimum elong	1139 Apr 16 j 02:34	1° $\mathfrak{B}$ 42'20	0°11'13
	1138 May 23 j 20:34	0° $\mathfrak{C}$		behind sun begin	1139 Apr 15 j 22:51	1° $\mathfrak{B}$ 22'12	
evening max el	1138 Jun 04 j 04:56	14° $\mathfrak{C}$ 09'12	25°10'42	behind sun end	1139 Apr 16 j 06:18	2° $\mathfrak{B}$ 02'30	
desc. node	1138 Jun 08 j 03:34	17° $\mathfrak{C}$ 29'00		asc. node	1139 Apr 17 j 03:49	3° $\mathfrak{B}$ 58'50	
retrograde	1138 Jun 18 j 05:10	21° $\mathfrak{C}$ 17'02		evening rise	1139 Apr 23 j 02:25	16° $\mathfrak{B}$ 47'17	
evening set	1138 Jun 23 j 16:35	20° $\mathfrak{C}$ 07'42			1139 Apr 29 j 15:58	0° $\mathfrak{I}$	
min. Earth dist.	1138 Jun 28 j 16:37	17° $\mathfrak{C}$ 22'26	0.57682 AU	evening max el	1139 May 16 j 19:06	24° $\mathfrak{I}$ 45'38	23°38'13

	1139 May 23 j 22:39	0°☿			1140 Apr 22 j 18:59	0°♊	
desc. node	1139 May 26 j 00:37	0°☿51'37		evening max el	1140 Apr 27 j 12:10	5°♊20'04	22°03'12
retrograde	1139 May 30 j 11:30	1°☿36'42		retrograde	1140 May 10 j 05:20	11°♊35'10	
evening set	1139 Jun 03 j 11:35	1°☿01'25		desc. node	1140 May 11 j 21:39	11°♊28'50	
	1139 Jun 06 j 05:36	30°♋♊		evening set	1140 May 12 j 22:58	11°♊18'34	
min. Earth dist.	1139 Jun 10 j 05:39	27°♊52'19	0.56032 AU	min. Earth dist.	1140 May 21 j 17:43	7°♊33'40	0.55081 AU
inferior conj	1139 Jun 12 j 09:43	26°♊34'03	-4°15'18	inferior conj	1140 May 22 j 08:30	7°♊12'56	-2°53'06
minimum elong	1139 Jun 12 j 03:17	26°♊43'47	4°14'07	minimum elong	1140 May 22 j 01:15	7°♊23'06	2°50'53
morning rise	1139 Jun 20 j 21:40	22°♊37'19		morning rise	1140 May 31 j 05:00	3°♊19'06	
direct	1139 Jun 23 j 14:48	22°♊18'51		direct	1140 Jun 03 j 04:52	2°♊59'05	
morning max el	1139 Jul 03 j 20:38	27°♊03'25	20°06'00	morning max el	1140 Jun 15 j 01:52	8°♊32'43	21°30'00
	1139 Jul 06 j 15:55	0°☿			1140 Jun 29 j 23:37	0°☿	
asc. node	1139 Jul 14 j 03:03	10°☿54'49		asc. node	1140 Jun 30 j 00:06	0°☿02'16	
morning set	1139 Jul 22 j 01:57	26°☿05'52		morning set	1140 Jul 05 j 10:31	10°☿52'11	
	1139 Jul 23 j 23:51	0°♌					
				superior conj	1140 Jul 12 j 18:40	26°☿15'30	1°40'26
superior conj	1139 Jul 29 j 19:54	11°♌53'28	1°46'02	minimum elong	1140 Jul 12 j 17:00	26°☿06'50	1°40'20
minimum elong	1139 Jul 29 j 19:29	11°♌51'21	1°46'02		1140 Jul 14 j 14:06	0°♌	
max. Earth dist.	1139 Aug 04 j 05:00	22°♌25'54	1.36750 AU	max. Earth dist.	1140 Jul 16 j 17:01	4°♌18'45	1.35084 AU
evening rise	1139 Aug 08 j 02:27	29°♌41'16		evening rise	1140 Jul 21 j 02:22	12°♌55'08	
	1139 Aug 08 j 06:34	0°♎			1140 Jul 30 j 15:16	0°♎	
desc. node	1139 Aug 21 j 23:56	22°♎58'28		desc. node	1140 Aug 07 j 20:58	13°♎00'47	
	1139 Aug 26 j 16:55	0°♏			1140 Aug 20 j 16:38	0°♏	
evening max el	1139 Sep 12 j 21:36	21°♏23'13	25°48'09	evening max el	1140 Aug 25 j 09:49	4°♏59'12	26°44'46
retrograde	1139 Sep 25 j 06:05	28°♏26'36		retrograde	1140 Sep 07 j 10:16	12°♏14'01	
evening set	1139 Oct 01 j 08:49	25°♏53'08		evening set	1140 Sep 14 j 02:11	9°♏31'12	
min. Earth dist.	1139 Oct 05 j 16:17	21°♏11'04	0.66811 AU	min. Earth dist.	1140 Sep 18 j 02:24	5°♏26'04	0.65842 AU
inferior conj	1139 Oct 06 j 22:47	19°♏34'21	-1°04'40	inferior conj	1140 Sep 19 j 20:50	3°♏20'45	-2°02'08
minimum elong	1139 Oct 07 j 00:27	19°♏29'03	1°03'58	minimum elong	1140 Sep 20 j 00:02	3°♏11'18	2°00'53
asc. node	1139 Oct 10 j 02:16	15°♏50'47			1140 Sep 22 j 21:13	30°♋♎	
morning rise	1139 Oct 12 j 16:22	13°♏40'04		morning rise	1140 Sep 25 j 22:25	27°♎38'13	
direct	1139 Oct 15 j 22:17	12°♏39'19		asc. node	1140 Sep 25 j 23:20	27°♎37'01	
morning max el	1139 Oct 22 j 22:21	16°♏35'11	19°08'19	direct	1140 Sep 28 j 19:49	26°♎51'39	
	1139 Nov 02 j 03:10	0°♐			1140 Oct 04 j 22:43	0°♏	
morning set	1139 Nov 14 j 19:28	19°♐32'53		morning max el	1140 Oct 05 j 10:28	0°♏28'46	18°25'46
desc. node	1139 Nov 17 j 23:13	24°♐28'39		morning set	1140 Oct 25 j 02:12	29°♏32'40	
	1139 Nov 21 j 11:59	0°♑			1140 Oct 25 j 08:59	0°♐	
max. Earth dist.	1139 Nov 29 j 02:13	11°♑55'06	1.44815 AU	desc. node	1140 Nov 03 j 20:14	15°♐09'20	
superior conj	1139 Dec 01 j 12:08	15°♑43'46	-1°22'15	superior conj	1140 Nov 09 j 12:59	24°♐09'15	-0°37'13
minimum elong	1139 Dec 01 j 03:31	15°♑09'41	1°21'20	minimum elong	1140 Nov 09 j 08:08	23°♐50'11	0°36'35
	1139 Dec 10 j 10:14	0°♒		max. Earth dist.	1140 Nov 10 j 21:09	26°♐15'42	1.45098 AU
evening rise	1139 Dec 16 j 08:02	9°♒38'03			1140 Nov 13 j 06:17	0°♑	
	1139 Dec 28 j 21:57	0°♓		evening rise	1140 Nov 25 j 17:46	19°♑35'55	
evening max el	1140 Jan 05 j 07:15	9°♓45'07	18°33'16		1140 Dec 02 j 08:17	0°♒	
asc. node	1140 Jan 06 j 01:35	10°♓29'47		greatest brilliancy	1140 Dec 05 j 20:21	5°♒28'16	-0.8m
retrograde	1140 Jan 11 j 21:19	13°♓23'23		evening max el	1140 Dec 18 j 16:35	23°♒12'24	19°12'18
evening set	1140 Jan 14 j 23:25	12°♓30'08		asc. node	1140 Dec 22 j 22:38	26°♒31'34	
inferior conj	1140 Jan 20 j 19:22	6°♓56'05	3°37'44	retrograde	1140 Dec 25 j 16:59	27°♒13'16	
minimum elong	1140 Jan 20 j 17:42	7°♓01'01	3°37'33	evening set	1140 Dec 29 j 01:33	26°♒07'34	
min. Earth dist.	1140 Jan 22 j 20:04	4°♓32'09	0.64660 AU	inferior conj	1141 Jan 03 j 15:42	20°♒17'12	3°15'15
morning rise	1140 Jan 26 j 11:30	0°♓48'37		minimum elong	1141 Jan 03 j 13:13	20°♒25'09	3°14'45
	1140 Jan 27 j 12:18	30°♋♒		min. Earth dist.	1141 Jan 05 j 01:16	18°♒30'07	0.66011 AU
direct	1140 Feb 02 j 07:00	27°♒56'56		morning rise	1141 Jan 09 j 00:37	14°♒05'55	
	1140 Feb 08 j 16:33	0°♓		direct	1141 Jan 15 j 10:02	11°♒17'15	
desc. node	1140 Feb 13 j 22:25	4°♓01'37		morning max el	1141 Jan 28 j 03:11	18°♒47'37	26°18'42
morning max el	1140 Feb 15 j 17:33	5°♓45'12	27°16'55	desc. node	1141 Jan 30 j 19:28	21°♒38'18	
	1140 Mar 05 j 06:33	0°♈			1141 Feb 06 j 15:32	0°♓	
morning set	1140 Mar 22 j 03:08	29°♈28'15			1141 Feb 26 j 06:57	0°♈	
	1140 Mar 22 j 09:39	0°♉		morning set	1141 Mar 05 j 06:30	12°♈33'02	
max. Earth dist.	1140 Mar 26 j 20:24	8°♉55'35	1.33729 AU	max. Earth dist.	1141 Mar 09 j 07:52	20°♈19'21	1.35095 AU
superior conj	1140 Mar 30 j 06:27	16°♉03'17	-0°38'48	superior conj	1141 Mar 14 j 04:12	0°♉02'13	-1°05'54
minimum elong	1140 Mar 30 j 08:22	16°♉13'24	0°38'24	minimum elong	1141 Mar 14 j 07:24	0°♉18'39	1°05'20
asc. node	1140 Apr 03 j 00:52	24°♉03'56			1141 Mar 14 j 03:45	0°♉	
	1140 Apr 05 j 19:57	0°♊		asc. node	1141 Mar 20 j 21:56	14°♉00'10	
evening rise	1140 Apr 06 j 13:24	1°♊31'43		evening rise	1141 Mar 21 j 21:34	16°♉02'12	

	1141 Mar 29 j 00:58	0°♄			1142 Mar 05 j 22:20	0°♅	
evening max el	1141 Apr 09 j 14:23	16°♄19'46	20°38'23	evening rise	1142 Mar 06 j 00:43	0°♅11'59	
retrograde	1141 Apr 20 j 18:20	21°♄44'20		asc. node	1142 Mar 07 j 18:59	3°♅42'44	
evening set	1141 Apr 22 j 21:16	21°♄33'24		evening max el	1142 Mar 23 j 04:10	27°♅58'01	19°30'53
desc. node	1141 Apr 28 j 18:40	19°♄26'05			1142 Mar 25 j 13:58	0°♄	
inferior conj	1141 May 02 j 02:36	17°♄35'41	-0°57'53	retrograde	1142 Apr 01 j 15:06	2°♄31'25	
minimum elong	1141 May 01 j 23:51	17°♄39'37	0°56'54	evening set	1142 Apr 03 j 17:14	2°♄19'02	
min. Earth dist.	1141 May 03 j 06:24	16°♄55'43	0.55047 AU		1142 Apr 09 j 09:46	30°♅♅	
morning rise	1141 May 11 j 01:40	13°♄25'46		inferior conj	1142 Apr 12 j 06:38	28°♅13'43	0°57'21
direct	1141 May 14 j 15:12	12°♄58'24		minimum elong	1142 Apr 12 j 09:00	28°♅09'55	0°56'32
morning max el	1141 May 27 j 21:29	19°♄23'04	23°08'12	min. Earth dist.	1142 Apr 14 j 20:54	26°♅34'03	0.55956 AU
	1141 Jun 05 j 17:00	0°♄		desc. node	1142 Apr 15 j 15:42	26°♅05'11	
asc. node	1141 Jun 16 j 21:10	19°♄34'35		morning rise	1142 Apr 20 j 22:03	23°♅32'01	
morning set	1141 Jun 19 j 21:39	25°♄47'19		direct	1142 Apr 25 j 10:20	22°♅46'03	
	1141 Jun 21 j 21:22	0°♄		morning max el	1142 May 09 j 12:22	29°♅52'33	24°49'18
					1142 May 09 j 15:29	0°♄	
superior conj	1141 Jun 26 j 23:57	10°♄57'44	1°29'00		1142 May 30 j 02:17	0°♄	
minimum elong	1141 Jun 26 j 21:38	10°♄45'21	1°28'44	asc. node	1142 Jun 03 j 18:12	9°♄24'09	
max. Earth dist.	1141 Jun 29 j 14:27	16°♄29'05	1.33785 AU	morning set	1142 Jun 04 j 09:32	10°♄44'43	
evening rise	1141 Jul 04 j 15:41	26°♄49'03					
	1141 Jul 06 j 06:36	0°♄		superior conj	1142 Jun 11 j 09:17	25°♄51'19	1°12'49
	1141 Jul 23 j 22:36	0°♄		minimum elong	1142 Jun 11 j 06:52	25°♄38'07	1°12'26
desc. node	1141 Jul 25 j 17:59	2°♄35'27		max. Earth dist.	1142 Jun 12 j 19:55	28°♄59'19	1.32886 AU
evening max el	1141 Aug 07 j 21:36	18°♄22'15	27°18'45		1142 Jun 13 j 07:09	0°♄	
retrograde	1141 Aug 21 j 08:44	25°♄40'51		evening rise	1142 Jun 18 j 14:31	11°♄10'50	
evening set	1141 Aug 28 j 10:27	22°♄57'02			1142 Jun 28 j 12:33	0°♄	
min. Earth dist.	1141 Sep 01 j 04:17	19°♄27'55	0.64514 AU	desc. node	1142 Jul 12 j 15:00	21°♄29'57	
inferior conj	1141 Sep 03 j 11:34	16°♄58'47	-2°58'14		1142 Jul 19 j 22:52	0°♄	
minimum elong	1141 Sep 03 j 16:04	16°♄46'37	2°56'44	evening max el	1142 Jul 21 j 07:02	1°♄18'54	27°23'58
morning rise	1141 Sep 09 j 22:36	11°♄31'19		retrograde	1142 Aug 04 j 01:09	8°♄36'53	
direct	1141 Sep 12 j 13:49	10°♄55'26		evening set	1142 Aug 11 j 06:14	6°♄04'05	
asc. node	1141 Sep 12 j 20:22	10°♄55'49		min. Earth dist.	1142 Aug 14 j 20:16	3°♄05'24	0.62833 AU
morning max el	1141 Sep 19 j 01:55	14°♄22'42	18°00'08	inferior conj	1142 Aug 17 j 16:10	0°♄21'17	-3°49'34
	1141 Sep 30 j 01:23	0°♄		minimum elong	1142 Aug 17 j 21:17	0°♄08'53	3°48'14
morning set	1141 Oct 06 j 13:26	10°♄56'08			1142 Aug 18 j 00:57	30°♅♄	
	1141 Oct 18 j 01:08	0°♄		morning rise	1142 Aug 24 j 13:41	25°♄12'08	
				direct	1142 Aug 27 j 01:15	24°♄43'44	
superior conj	1141 Oct 20 j 00:06	3°♄09'49	0°11'28	asc. node	1142 Aug 30 j 17:24	25°♄47'21	
minimum elong	1141 Oct 20 j 01:27	3°♄15'15	0°11'17	morning max el	1142 Sep 02 j 17:47	28°♄09'37	17°52'15
behind sun begin	1141 Oct 19 j 17:54	2°♄44'51			1142 Sep 04 j 10:24	0°♄	
behind sun end	1141 Oct 20 j 08:59	3°♄45'36		morning set	1142 Sep 18 j 23:57	23°♄26'12	
desc. node	1141 Oct 21 j 17:16	5°♄55'02			1142 Sep 22 j 17:05	0°♄	
max. Earth dist.	1141 Oct 24 j 15:58	10°♄36'23	1.44640 AU				
evening rise	1141 Nov 05 j 08:01	28°♄49'00		superior conj	1142 Sep 30 j 12:07	13°♄24'57	0°52'50
	1141 Nov 06 j 02:26	0°♄		minimum elong	1142 Sep 30 j 16:39	13°♄44'00	0°52'14
greatest brilliancy	1141 Nov 19 j 12:27	20°♄20'24	-0.6m	max. Earth dist.	1142 Oct 07 j 07:16	24°♄37'17	1.43506 AU
	1141 Nov 26 j 08:01	0°♄		desc. node	1142 Oct 08 j 14:17	26°♄42'09	
evening max el	1141 Dec 01 j 21:16	6°♄40'58	20°06'59		1142 Oct 10 j 15:52	0°♄	
retrograde	1141 Dec 09 j 14:43	11°♄12'58		evening rise	1142 Oct 15 j 15:46	7°♄50'12	
asc. node	1141 Dec 09 j 19:40	11°♄12'43			1142 Oct 30 j 09:32	0°♄	
evening set	1141 Dec 13 j 07:21	9°♄53'25		evening max el	1142 Nov 14 j 20:18	20°♄10'08	21°14'40
inferior conj	1141 Dec 18 j 17:53	3°♄49'34	2°42'30	retrograde	1142 Nov 23 j 12:14	25°♄18'59	
minimum elong	1141 Dec 18 j 15:11	3°♄58'38	2°41'44	asc. node	1142 Nov 26 j 16:40	24°♄22'18	
min. Earth dist.	1141 Dec 19 j 13:50	2°♄42'33	0.66961 AU	evening set	1142 Nov 27 j 14:51	23°♄43'59	
	1141 Dec 21 j 16:36	30°♅♄		inferior conj	1142 Dec 02 j 23:34	17°♄30'05	2°01'50
morning rise	1141 Dec 23 j 22:50	27°♄36'24		minimum elong	1142 Dec 02 j 21:11	17°♄38'18	2°01'00
direct	1141 Dec 29 j 18:36	25°♄01'11		min. Earth dist.	1142 Dec 03 j 07:31	17°♄02'39	0.67532 AU
	1142 Jan 08 j 09:36	0°♄		morning rise	1142 Dec 08 j 03:20	11°♄16'57	
morning max el	1142 Jan 10 j 11:58	2°♄00'26	25°00'52	direct	1142 Dec 13 j 08:06	9°♄01'33	
desc. node	1142 Jan 17 j 16:30	10°♄14'31		morning max el	1142 Dec 23 j 20:42	15°♄17'48	23°33'35
	1142 Jan 31 j 17:58	0°♄		desc. node	1143 Jan 04 j 13:31	29°♄33'06	
morning set	1142 Feb 15 j 16:25	24°♄42'12			1143 Jan 04 j 21:24	0°♄	
	1142 Feb 18 j 14:34	0°♄			1143 Jan 24 j 17:24	0°♄	
max. Earth dist.	1142 Feb 19 j 08:27	1°♄22'32	1.36882 AU	morning set	1143 Jan 28 j 02:39	5°♄39'08	
				max. Earth dist.	1143 Feb 01 j 03:17	12°♄35'43	1.38959 AU
superior conj	1142 Feb 25 j 16:18	13°♄27'59	-1°30'48				
minimum elong	1142 Feb 25 j 20:20	13°♄47'50	1°30'16	superior conj	1143 Feb 08 j 14:55	26°♄10'41	-1°50'53

minimum elong	1143 Feb 08 j 18:42	26° $\approx$ 28'23	1°50'36	minimum elong	1144 Jan 21 j 20:42	8° $\approx$ 04'27	2°02'28
	1143 Feb 10 j 15:31	0° $\text{H}$		evening rise	1144 Feb 01 j 04:31	26° $\approx$ 58'42	
evening rise	1143 Feb 17 j 20:09	13° $\text{H}$ 53'46			1144 Feb 02 j 19:30	0° $\text{H}$	
asc. node	1143 Feb 22 j 16:00	23° $\text{H}$ 06'20		asc. node	1144 Feb 09 j 13:03	12° $\text{H}$ 03'39	
	1143 Feb 26 j 13:42	0° $\text{Y}$		evening max el	1144 Feb 17 j 11:37	22° $\text{H}$ 59'05	18°15'35
evening max el	1143 Mar 06 j 04:16	10° $\text{Y}$ 14'10	18°43'13	retrograde	1144 Feb 24 j 12:48	26° $\text{H}$ 30'20	
retrograde	1143 Mar 14 j 04:38	14° $\text{Y}$ 08'16		evening set	1144 Feb 27 j 01:53	26° $\text{H}$ 03'46	
evening set	1143 Mar 16 j 11:58	13° $\text{Y}$ 50'06		inferior conj	1144 Mar 05 j 02:25	21° $\text{H}$ 20'31	3°19'25
inferior conj	1143 Mar 24 j 06:02	9° $\text{Y}$ 27'44	2°25'34	minimum elong	1144 Mar 05 j 05:29	21° $\text{H}$ 13'47	3°18'55
minimum elong	1143 Mar 24 j 10:11	9° $\text{Y}$ 19'56	2°24'28	min. Earth dist.	1144 Mar 08 j 12:00	18° $\text{H}$ 23'59	0.59668 AU
min. Earth dist.	1143 Mar 27 j 14:12	6° $\text{Y}$ 58'59	0.57609 AU	morning rise	1144 Mar 12 j 06:49	15° $\text{H}$ 41'14	
morning rise	1143 Apr 01 j 05:20	4° $\text{Y}$ 13'03		direct	1144 Mar 18 j 18:02	13° $\text{H}$ 46'20	
desc. node	1143 Apr 02 j 12:43	3° $\text{Y}$ 41'22		desc. node	1144 Mar 19 j 09:45	13° $\text{H}$ 47'29	
direct	1143 Apr 06 j 19:50	2° $\text{Y}$ 55'25		morning max el	1144 Apr 02 j 01:27	21° $\text{H}$ 33'01	27°20'38
morning max el	1143 Apr 21 j 04:21	10° $\text{Y}$ 28'23	26°18'08		1144 Apr 09 j 10:34	0° $\text{Y}$	
	1143 May 06 j 03:19	0° $\text{B}$			1144 Apr 28 j 00:43	0° $\text{B}$	
morning set	1143 May 19 j 20:37	25° $\text{B}$ 39'00		morning set	1144 May 03 j 05:10	10° $\text{B}$ 23'46	
asc. node	1143 May 21 j 15:15	29° $\text{B}$ 25'34		asc. node	1144 May 07 j 12:19	19° $\text{B}$ 33'26	
	1143 May 21 j 21:40	0° $\text{II}$					
superior conj	1143 May 26 j 20:42	10° $\text{II}$ 49'37	0°52'47	superior conj	1144 May 10 j 08:24	25° $\text{B}$ 45'55	0°29'38
minimum elong	1143 May 26 j 18:38	10° $\text{II}$ 38'19	0°52'23	minimum elong	1144 May 10 j 07:07	25° $\text{B}$ 38'50	0°29'22
max. Earth dist.	1143 May 27 j 06:41	11° $\text{II}$ 44'31	1.32381 AU	max. Earth dist.	1144 May 09 j 19:11	24° $\text{B}$ 33'19	1.32251 AU
evening rise	1143 Jun 02 j 19:55	25° $\text{II}$ 51'19			1144 May 12 j 06:38	0° $\text{II}$	
	1143 Jun 04 j 20:14	0° $\text{E}$		evening rise	1144 May 17 j 05:24	10° $\text{II}$ 41'49	
	1143 Jun 22 j 03:23	0° $\text{O}$			1144 May 27 j 03:09	0° $\text{E}$	
desc. node	1143 Jun 29 j 12:00	9° $\text{O}$ 27'22		evening max el	1144 Jun 14 j 10:06	25° $\text{E}$ 11'00	25°56'55
evening max el	1143 Jul 03 j 11:53	13° $\text{O}$ 37'43	26°56'28	desc. node	1144 Jun 15 j 09:02	26° $\text{E}$ 04'13	
retrograde	1143 Jul 17 j 10:26	20° $\text{O}$ 52'41			1144 Jun 20 j 15:07	0° $\text{O}$	
evening set	1143 Jul 24 j 09:12	18° $\text{O}$ 44'52		retrograde	1144 Jun 28 j 10:39	2° $\text{O}$ 21'44	
min. Earth dist.	1143 Jul 28 j 02:01	16° $\text{O}$ 04'47	0.60878 AU	evening set	1144 Jul 04 j 14:45	0° $\text{O}$ 50'06	
inferior conj	1143 Jul 31 j 07:22	13° $\text{O}$ 20'16	-4°30'27		1144 Jul 06 j 04:17	30° $\text{R}$ $\text{E}$	
minimum elong	1143 Jul 31 j 11:37	13° $\text{O}$ 11'10	4°29'47	min. Earth dist.	1144 Jul 08 j 22:40	28° $\text{E}$ 11'49	0.58817 AU
morning rise	1143 Aug 07 j 15:50	8° $\text{O}$ 32'05		inferior conj	1144 Jul 12 j 05:36	25° $\text{E}$ 46'11	-4°51'55
direct	1143 Aug 10 j 02:22	8° $\text{O}$ 08'31		minimum elong	1144 Jul 12 j 06:45	25° $\text{E}$ 44'03	4°51'53
morning max el	1143 Aug 17 j 07:00	11° $\text{O}$ 41'46	18°03'13	morning rise	1144 Jul 20 j 01:00	21° $\text{E}$ 20'34	
asc. node	1143 Aug 17 j 14:26	12° $\text{O}$ 00'07		direct	1144 Jul 22 j 13:01	20° $\text{E}$ 59'51	
	1143 Aug 29 j 11:37	0° $\text{M}$		morning max el	1144 Jul 30 j 14:27	24° $\text{E}$ 50'30	18°34'19
morning set	1143 Sep 02 j 03:41	6° $\text{M}$ 45'47		asc. node	1144 Aug 03 j 11:30	29° $\text{E}$ 19'01	
					1144 Aug 03 j 23:28	0° $\text{O}$	
superior conj	1143 Sep 12 j 02:59	24° $\text{M}$ 59'04	1°22'06	morning set	1144 Aug 15 j 19:41	20° $\text{O}$ 41'29	
minimum elong	1143 Sep 12 j 07:18	25° $\text{M}$ 18'11	1°21'39		1144 Aug 20 j 15:14	0° $\text{M}$	
	1143 Sep 14 j 23:37	0° $\text{A}$		superior conj	1144 Aug 24 j 16:10	7° $\text{M}$ 39'36	1°39'14
max. Earth dist.	1143 Sep 19 j 17:32	8° $\text{A}$ 04'35	1.41847 AU	minimum elong	1144 Aug 24 j 18:42	7° $\text{M}$ 51'26	1°39'05
evening rise	1143 Sep 25 j 10:38	17° $\text{A}$ 24'51		max. Earth dist.	1144 Aug 31 j 23:07	20° $\text{M}$ 50'45	1.39876 AU
desc. node	1143 Sep 25 j 11:18	17° $\text{A}$ 27'31		evening rise	1144 Sep 05 j 03:57	28° $\text{M}$ 02'27	
	1143 Oct 03 j 12:36	0° $\text{M}$			1144 Sep 06 j 08:07	0° $\text{A}$	
	1143 Oct 25 j 05:07	0° $\text{J}$		desc. node	1144 Sep 11 j 08:21	8° $\text{A}$ 07'38	
evening max el	1143 Oct 28 j 14:00	3° $\text{J}$ 40'59	22°31'15		1144 Sep 26 j 01:53	0° $\text{M}$	
retrograde	1143 Nov 07 j 07:45	9° $\text{J}$ 28'16		evening max el	1144 Oct 10 j 03:51	17° $\text{M}$ 15'30	23°51'17
evening set	1143 Nov 11 j 22:20	7° $\text{J}$ 36'25		retrograde	1144 Oct 21 j 00:01	23° $\text{M}$ 38'22	
asc. node	1143 Nov 13 j 13:42	6° $\text{J}$ 01'57		evening set	1144 Oct 26 j 04:13	21° $\text{M}$ 29'00	
inferior conj	1143 Nov 17 j 06:47	1° $\text{J}$ 16'07	1°14'56	asc. node	1144 Oct 30 j 10:43	16° $\text{M}$ 37'45	
minimum elong	1143 Nov 17 j 05:08	1° $\text{J}$ 21'49	1°14'17	min. Earth dist.	1144 Oct 31 j 00:18	15° $\text{M}$ 51'57	0.67655 AU
min. Earth dist.	1143 Nov 17 j 03:48	1° $\text{J}$ 26'26	0.67759 AU	inferior conj	1144 Oct 31 j 13:47	15° $\text{M}$ 06'09	0°23'16
	1143 Nov 18 j 04:54	30° $\text{R}$ $\text{M}$		minimum elong	1144 Oct 31 j 13:14	15° $\text{M}$ 08'02	0°23'01
morning rise	1143 Nov 22 j 11:48	25° $\text{M}$ 05'10		morning rise	1144 Nov 05 j 22:11	8° $\text{M}$ 59'46	
direct	1143 Nov 27 j 01:41	23° $\text{M}$ 12'17		direct	1144 Nov 09 j 22:16	7° $\text{M}$ 29'10	
morning max el	1143 Dec 06 j 08:27	28° $\text{M}$ 40'37	22°06'24	morning max el	1144 Nov 18 j 02:45	12° $\text{M}$ 13'48	20°47'01
	1143 Dec 07 j 14:51	0° $\text{J}$			1144 Dec 01 j 20:32	0° $\text{J}$	
desc. node	1143 Dec 22 j 10:32	19° $\text{J}$ 21'39		desc. node	1144 Dec 08 j 07:36	9° $\text{J}$ 32'19	
	1143 Dec 29 j 14:56	0° $\text{B}$		morning set	1144 Dec 17 j 11:37	23° $\text{J}$ 33'39	
morning set	1144 Jan 08 j 07:56	15° $\text{B}$ 10'52			1144 Dec 21 j 13:58	0° $\text{B}$	
max. Earth dist.	1144 Jan 14 j 00:33	24° $\text{B}$ 32'28	1.41087 AU	max. Earth dist.	1144 Dec 26 j 05:37	7° $\text{B}$ 27'31	1.42964 AU
	1144 Jan 17 j 05:45	0° $\approx$					
superior conj	1144 Jan 21 j 19:08	7° $\approx$ 57'28	-2°02'31	superior conj	1145 Jan 01 j 23:43	18° $\text{B}$ 36'56	-2°00'58
				minimum elong	1145 Jan 01 j 20:45	18° $\text{B}$ 24'26	2°00'52



	1145 Jan 08 j 15:03	0°♊		max. Earth dist.	1145 Dec 08 j 18:05	21°♊09'49	1.44328 AU
evening rise	1145 Jan 13 j 21:58	9°♊19'31					
asc. node	1145 Jan 26 j 10:05	0°♊26'46		superior conj	1145 Dec 13 j 01:40	28°♊03'42	-1°41'47
	1145 Jan 26 j 02:44	0°♊		minimum elong	1145 Dec 12 j 17:53	27°♊32'24	1°41'10
evening max el	1145 Jan 30 j 23:01	6°♊04'12	18°07'31		1145 Dec 14 j 06:30	0°♊	
retrograde	1145 Feb 06 j 12:31	9°♊28'19		evening rise	1145 Dec 26 j 20:08	20°♊48'06	
evening set	1145 Feb 09 j 06:33	8°♊52'04			1146 Jan 01 j 06:51	0°♊	
inferior conj	1145 Feb 15 j 17:12	3°♊47'40	3°43'22	asc. node	1146 Jan 13 j 07:06	18°♊05'29	
minimum elong	1145 Feb 15 j 18:12	3°♊45'11	3°43'18	evening max el	1146 Jan 14 j 11:33	19°♊22'12	18°18'34
min. Earth dist.	1145 Feb 18 j 17:14	0°♊48'20	0.61785 AU	retrograde	1146 Jan 20 j 23:07	22°♊52'22	
	1145 Feb 19 j 13:56	30°♋		evening set	1146 Jan 23 j 22:00	22°♊05'39	
morning rise	1145 Feb 22 j 04:29	27°♋52'42		inferior conj	1146 Jan 29 j 22:25	16°♋41'44	3°44'44
direct	1145 Mar 01 j 02:15	25°♋25'38		minimum elong	1146 Jan 29 j 21:32	16°♋44'11	3°44'41
desc. node	1145 Mar 06 j 06:48	26°♋39'35		min. Earth dist.	1146 Feb 01 j 07:59	14°♋00'33	0.63701 AU
	1145 Mar 11 j 12:31	0°♋		morning rise	1146 Feb 04 j 20:20	10°♋37'22	
morning max el	1145 Mar 15 j 04:51	3°♋18'43	27°47'53	direct	1146 Feb 11 j 18:48	7°♋50'32	
	1145 Apr 03 j 22:43	0°♌		desc. node	1146 Feb 21 j 03:51	11°♋49'43	
morning set	1145 Apr 17 j 09:14	24°♌52'26		morning max el	1146 Feb 25 j 12:58	15°♋43'48	27°38'02
	1145 Apr 19 j 20:34	0°♌			1146 Mar 09 j 06:37	0°♌	
max. Earth dist.	1145 Apr 23 j 05:33	7°♌12'26	1.32497 AU		1146 Mar 27 j 14:56	0°♌	
asc. node	1145 Apr 24 j 09:23	9°♌43'29		morning set	1146 Apr 01 j 06:25	8°♌57'24	
				max. Earth dist.	1146 Apr 06 j 09:43	19°♌28'35	1.33148 AU
superior conj	1145 Apr 24 j 18:43	10°♌34'18	0°04'08				
minimum elong	1145 Apr 24 j 18:31	10°♌33'14	0°04'06	superior conj	1146 Apr 09 j 01:52	25°♌09'09	-0°22'56
behind sun begin	1145 Apr 24 j 13:33	10°♌06'11		minimum elong	1146 Apr 09 j 02:59	25°♌15'09	0°22'41
behind sun end	1145 Apr 24 j 23:29	11°♌00'19		asc. node	1146 Apr 11 j 06:26	29°♌51'46	
evening rise	1145 May 01 j 16:55	25°♌35'08			1146 Apr 11 j 07:58	0°♌	
	1145 May 03 j 19:34	0°♍		evening rise	1146 Apr 16 j 04:38	10°♌24'51	
	1145 May 21 j 15:35	0°♍			1146 Apr 26 j 08:11	0°♍	
evening max el	1145 May 27 j 01:53	6°♍02'14	24°32'35	evening max el	1146 May 08 j 16:12	16°♍33'39	22°57'13
desc. node	1145 Jun 02 j 06:04	10°♍48'31		desc. node	1146 May 20 j 03:05	23°♍04'21	
retrograde	1145 Jun 09 j 23:46	13°♍04'17		retrograde	1146 May 22 j 00:46	23°♍12'37	
evening set	1145 Jun 14 j 20:54	12°♍10'46		evening set	1146 May 25 j 10:34	22°♍47'06	
min. Earth dist.	1145 Jun 20 j 13:01	9°♍17'07	0.56919 AU	min. Earth dist.	1146 Jun 02 j 01:09	19°♍24'28	0.55520 AU
inferior conj	1145 Jun 23 j 07:59	7°♍29'44	-4°41'14	inferior conj	1146 Jun 03 j 15:07	18°♍29'36	-3°46'01
minimum elong	1145 Jun 23 j 04:08	7°♍35'58	4°40'50	minimum elong	1146 Jun 03 j 07:36	18°♍40'29	3°44'11
morning rise	1145 Jul 01 j 14:05	3°♍25'00		morning rise	1146 Jun 12 j 07:10	14°♍36'39	
direct	1145 Jul 04 j 05:11	3°♍05'58		direct	1146 Jun 15 j 02:30	14°♍18'05	
morning max el	1145 Jul 13 j 13:11	7°♍26'25	19°26'31	morning max el	1146 Jun 26 j 01:07	19°♍22'09	20°39'37
asc. node	1145 Jul 21 j 08:35	17°♍29'24			1146 Jul 04 j 11:55	0°♍	
	1145 Jul 28 j 07:00	0°♎		asc. node	1146 Jul 08 j 05:40	6°♍19'21	
morning set	1145 Jul 30 j 20:12	5°♎02'37		morning set	1146 Jul 15 j 02:30	19°♍42'01	
					1146 Jul 20 j 01:57	0°♎	
superior conj	1145 Aug 07 j 21:59	21°♎10'13	1°46'02				
minimum elong	1145 Aug 07 j 22:33	21°♎12'55	1°46'02	superior conj	1146 Jul 22 j 15:43	5°♎17'32	1°44'28
	1145 Aug 12 j 12:24	0°♏		minimum elong	1146 Jul 22 j 14:42	5°♎12'20	1°44'26
max. Earth dist.	1145 Aug 14 j 02:51	2°♏58'51	1.37846 AU	max. Earth dist.	1146 Jul 27 j 10:08	14°♎49'11	1.35996 AU
evening rise	1145 Aug 17 j 21:23	9°♏47'42		evening rise	1146 Jul 31 j 11:35	22°♎33'20	
desc. node	1145 Aug 29 j 05:23	28°♏37'37			1146 Aug 04 j 14:11	0°♏	
	1145 Aug 30 j 02:37	0°♐		desc. node	1146 Aug 16 j 02:24	18°♏52'16	
	1145 Sep 21 j 18:40	0°♑			1146 Aug 23 j 20:28	0°♐	
evening max el	1145 Sep 22 j 15:47	0°♑52'51	25°08'11	evening max el	1146 Sep 05 j 03:31	14°♐30'46	26°14'24
retrograde	1145 Oct 04 j 12:08	7°♑44'17		retrograde	1146 Sep 17 j 19:31	21°♐40'44	
evening set	1145 Oct 10 j 06:49	5°♑18'27		evening set	1146 Sep 24 j 04:11	19°♐02'07	
	1145 Oct 14 j 23:32	30°♒		min. Earth dist.	1146 Sep 28 j 08:23	14°♐35'54	0.66447 AU
min. Earth dist.	1145 Oct 14 j 18:36	0°♒16'05	0.67219 AU	inferior conj	1146 Sep 29 j 19:57	12°♐46'13	-1°29'04
inferior conj	1145 Oct 15 j 18:47	28°♐57'00	-0°31'54	minimum elong	1146 Sep 29 j 22:16	12°♐39'04	1°28'06
minimum elong	1145 Oct 15 j 19:35	28°♐54'22	0°31'34	asc. node	1146 Oct 04 j 04:50	8°♐00'50	
asc. node	1145 Oct 17 j 07:47	26°♐58'21		morning rise	1146 Oct 05 j 16:47	6°♐56'47	
morning rise	1145 Oct 21 j 08:31	22°♐57'46		direct	1146 Oct 08 j 18:42	6°♐02'42	
direct	1145 Oct 24 j 20:28	21°♐47'11		morning max el	1146 Oct 15 j 14:02	9°♐49'31	18°48'09
morning max el	1145 Nov 01 j 04:55	25°♐57'42	19°40'06		1146 Oct 30 j 00:31	0°♑	
	1145 Nov 04 j 18:06	0°♑		morning set	1146 Nov 05 j 23:03	10°♑56'36	
greatest brilliancy	1145 Nov 14 j 15:00	13°♑51'10	-0.7m	desc. node	1146 Nov 12 j 01:40	20°♑34'44	
desc. node	1145 Nov 25 j 04:39	29°♑58'15			1146 Nov 18 j 01:32	0°♒	
	1145 Nov 25 j 05:06	0°♒		max. Earth dist.	1146 Nov 21 j 11:02	5°♒20'04	1.45025 AU
morning set	1145 Nov 26 j 08:36	1°♒46'14					

superior conj	1146 Nov 22 j 06:47	6° $\text{♄}$ 37'39	-1°04'24	desc. node	1147 Oct 29 j 22:41	11° $\text{♁}$ 18'12	
minimum elong	1146 Nov 21 j 23:02	6° $\text{♄}$ 07'13	1°03'29				
	1146 Dec 06 j 23:51	0° $\text{♄}$		superior conj	1147 Nov 01 j 09:29	15° $\text{♁}$ 11'45	-0°16'16
evening rise	1146 Dec 07 j 19:23	1° $\text{♄}$ 18'37		minimum elong	1147 Nov 01 j 07:24	15° $\text{♁}$ 03'28	0°15'58
	1146 Dec 26 j 12:00	0° $\text{♄}$		behind sun begin	1147 Nov 01 j 05:23	14° $\text{♁}$ 55'29	
evening max el	1146 Dec 28 j 22:39	2° $\text{♄}$ 47'15	18°47'50	behind sun end	1147 Nov 01 j 09:25	15° $\text{♁}$ 11'27	
asc. node	1146 Dec 31 j 04:08	4° $\text{♄}$ 46'57		max. Earth dist.	1147 Nov 04 j 05:45	19° $\text{♁}$ 41'12	1.44989 AU
retrograde	1147 Jan 04 j 16:26	6° $\text{♄}$ 34'25			1147 Nov 10 j 19:43	0° $\text{♄}$	
evening set	1147 Jan 07 j 21:00	5° $\text{♄}$ 36'12		evening rise	1147 Nov 17 j 19:46	10° $\text{♄}$ 54'42	
inferior conj	1147 Jan 13 j 14:11	29° $\text{♄}$ 54'52	3°29'38	greatest brilliancy	1147 Nov 30 j 00:49	29° $\text{♄}$ 46'04	-0.7m
minimum elong	1147 Jan 13 j 12:05	0° $\text{♄}$ 01'18	3°29'19		1147 Nov 30 j 04:31	0° $\text{♄}$	
	1147 Jan 13 j 12:30	30° $\text{♄}$		evening max el	1147 Dec 12 j 06:13	16° $\text{♄}$ 15'56	19°33'52
min. Earth dist.	1147 Jan 15 j 08:20	27° $\text{♄}$ 45'39	0.65278 AU	asc. node	1147 Dec 18 j 01:09	20° $\text{♄}$ 16'38	
morning rise	1147 Jan 19 j 02:46	23° $\text{♄}$ 45'13		retrograde	1147 Dec 19 j 13:12	20° $\text{♄}$ 29'09	
direct	1147 Jan 25 j 18:29	20° $\text{♄}$ 53'07		evening set	1147 Dec 23 j 00:56	19° $\text{♄}$ 17'56	
morning max el	1147 Feb 07 j 22:44	28° $\text{♄}$ 36'23	26°55'10	inferior conj	1147 Dec 28 j 13:20	13° $\text{♄}$ 21'44	3°02'27
desc. node	1147 Feb 08 j 00:53	28° $\text{♄}$ 41'46		minimum elong	1147 Dec 28 j 10:41	13° $\text{♄}$ 30'24	3°01'49
	1147 Feb 09 j 07:07	0° $\text{♄}$		min. Earth dist.	1147 Dec 29 j 17:01	11° $\text{♄}$ 51'14	0.66463 AU
	1147 Mar 03 j 01:32	0° $\text{♄}$		morning rise	1148 Jan 02 j 20:11	7° $\text{♄}$ 09'22	
morning set	1147 Mar 15 j 17:26	22° $\text{♄}$ 27'47		direct	1148 Jan 09 j 00:10	4° $\text{♄}$ 25'01	
	1147 Mar 19 j 13:40	0° $\text{♄}$		morning max el	1148 Jan 21 j 07:53	11° $\text{♄}$ 44'09	25°47'18
max. Earth dist.	1147 Mar 20 j 03:42	1° $\text{♄}$ 10'31	1.34247 AU	desc. node	1148 Jan 25 j 21:53	16° $\text{♄}$ 46'35	
					1148 Feb 04 j 23:32	0° $\text{♄}$	
superior conj	1147 Mar 24 j 03:43	9° $\text{♄}$ 23'11	-0°50'26		1148 Feb 23 j 17:10	0° $\text{♄}$	
minimum elong	1147 Mar 24 j 06:13	9° $\text{♄}$ 36'11	0°49'57	morning set	1148 Feb 26 j 14:03	5° $\text{♄}$ 11'11	
asc. node	1147 Mar 29 j 03:28	19° $\text{♄}$ 53'28		max. Earth dist.	1148 Mar 01 j 09:50	12° $\text{♄}$ 21'27	1.35806 AU
evening rise	1147 Mar 31 j 14:38	25° $\text{♄}$ 03'54					
	1147 Apr 03 j 00:15	0° $\text{♄}$		superior conj	1148 Mar 06 j 21:46	23° $\text{♄}$ 09'32	-1°16'52
evening max el	1147 Apr 20 j 12:30	27° $\text{♄}$ 16'00	21°25'23	minimum elong	1148 Mar 07 j 01:25	23° $\text{♄}$ 27'54	1°16'18
	1147 Apr 23 j 18:17	0° $\text{♄}$			1148 Mar 10 j 06:30	0° $\text{♄}$	
retrograde	1147 May 02 j 15:36	3° $\text{♄}$ 11'08		evening rise	1148 Mar 14 j 20:55	9° $\text{♄}$ 26'26	
evening set	1147 May 05 j 00:29	2° $\text{♄}$ 58'18		asc. node	1148 Mar 15 j 00:29	9° $\text{♄}$ 44'35	
desc. node	1147 May 07 j 00:07	2° $\text{♄}$ 29'04			1148 Mar 26 j 00:45	0° $\text{♄}$	
	1147 May 12 j 13:31	30° $\text{♄}$		evening max el	1148 Apr 01 j 19:44	8° $\text{♄}$ 32'07	20°07'22
inferior conj	1147 May 14 j 10:08	28° $\text{♄}$ 58'03	-2°06'33	retrograde	1148 Apr 12 j 05:50	13° $\text{♄}$ 33'27	
minimum elong	1147 May 14 j 04:20	29° $\text{♄}$ 06'11	2°04'35	evening set	1148 Apr 14 j 07:14	13° $\text{♄}$ 22'33	
min. Earth dist.	1147 May 14 j 13:41	28° $\text{♄}$ 53'04	0.54940 AU	desc. node	1148 Apr 22 j 21:07	9° $\text{♄}$ 38'07	
morning rise	1147 May 23 j 08:44	24° $\text{♄}$ 59'29		inferior conj	1148 Apr 23 j 06:48	9° $\text{♄}$ 23'42	-0°07'00
direct	1147 May 26 j 12:59	24° $\text{♄}$ 37'29		minimum elong	1148 Apr 23 j 06:28	9° $\text{♄}$ 24'10	0°06'53
	1147 Jun 07 j 11:01	0° $\text{♄}$		transit middle	1148 Apr 23 j 06:28	9° $\text{♄}$ 24'10	0°06'53
morning max el	1147 Jun 08 j 01:58	0° $\text{♄}$ 34'00	22°10'35	transit begin	1148 Apr 23 j 02:52	9° $\text{♄}$ 29'34	
asc. node	1147 Jun 25 j 02:43	25° $\text{♄}$ 38'08		transit end	1148 Apr 23 j 10:05	9° $\text{♄}$ 18'46	
	1147 Jun 27 j 07:24	0° $\text{♄}$		min. Earth dist.	1148 Apr 25 j 03:12	8° $\text{♄}$ 17'30	0.55330 AU
morning set	1147 Jun 29 j 12:20	4° $\text{♄}$ 32'27		morning rise	1148 May 02 j 03:52	5° $\text{♄}$ 01'14	
				direct	1148 May 06 j 02:24	4° $\text{♄}$ 27'19	
superior conj	1147 Jul 06 j 17:35	19° $\text{♄}$ 49'17	1°36'14	morning max el	1148 May 19 j 18:40	11° $\text{♄}$ 11'50	23°51'37
minimum elong	1147 Jul 06 j 15:34	19° $\text{♄}$ 38'41	1°36'03		1148 Jun 02 j 20:58	0° $\text{♄}$	
max. Earth dist.	1147 Jul 10 j 01:42	26° $\text{♄}$ 46'12	1.34479 AU	asc. node	1148 Jun 10 j 23:45	15° $\text{♄}$ 18'16	
	1147 Jul 11 j 15:48	0° $\text{♄}$		morning set	1148 Jun 12 j 23:57	19° $\text{♄}$ 28'41	
evening rise	1147 Jul 14 j 17:42	6° $\text{♄}$ 05'48			1148 Jun 17 j 21:39	0° $\text{♄}$	
	1147 Jul 28 j 06:10	0° $\text{♄}$					
desc. node	1147 Aug 02 j 23:26	8° $\text{♄}$ 44'06		superior conj	1148 Jun 20 j 00:50	4° $\text{♄}$ 36'50	1°22'39
evening max el	1147 Aug 18 j 15:37	28° $\text{♄}$ 02'30	27°02'23	minimum elong	1148 Jun 19 j 22:24	4° $\text{♄}$ 23'45	1°22'19
	1147 Aug 20 j 19:21	0° $\text{♄}$		max. Earth dist.	1148 Jun 22 j 02:46	9° $\text{♄}$ 04'43	1.33357 AU
retrograde	1147 Aug 31 j 21:34	5° $\text{♄}$ 20'30		evening rise	1148 Jun 27 j 11:29	20° $\text{♄}$ 12'48	
evening set	1147 Sep 07 j 18:04	2° $\text{♄}$ 36'03			1148 Jul 02 j 12:29	0° $\text{♄}$	
	1147 Sep 10 j 12:23	30° $\text{♄}$		desc. node	1148 Jul 19 j 20:27	28° $\text{♄}$ 03'13	
min. Earth dist.	1147 Sep 11 j 15:22	28° $\text{♄}$ 46'24	0.65318 AU		1148 Jul 21 j 07:12	0° $\text{♄}$	
inferior conj	1147 Sep 13 j 15:12	26° $\text{♄}$ 30'00	-2°26'18	evening max el	1148 Jul 31 j 02:54	11° $\text{♄}$ 16'38	27°24'55
minimum elong	1147 Sep 13 j 19:00	26° $\text{♄}$ 19'09	2°24'53	retrograde	1148 Aug 13 j 17:32	18° $\text{♄}$ 34'58	
morning rise	1147 Sep 19 j 20:39	20° $\text{♄}$ 53'24		evening set	1148 Aug 20 j 21:28	15° $\text{♄}$ 54'38	
asc. node	1147 Sep 21 j 01:53	20° $\text{♄}$ 25'00		min. Earth dist.	1148 Aug 24 j 13:21	12° $\text{♄}$ 39'08	0.63835 AU
direct	1147 Sep 22 j 15:00	20° $\text{♄}$ 11'57		inferior conj	1148 Aug 27 j 01:59	10° $\text{♄}$ 02'32	-3°20'55
morning max el	1147 Sep 29 j 03:54	23° $\text{♄}$ 44'13	18°12'39	minimum elong	1148 Aug 27 j 06:53	9° $\text{♄}$ 49'53	3°19'25
	1147 Oct 04 j 05:18	0° $\text{♄}$		morning rise	1148 Sep 02 j 17:21	4° $\text{♄}$ 42'07	
morning set	1147 Oct 17 j 18:17	21° $\text{♄}$ 33'32		direct	1148 Sep 05 j 06:41	4° $\text{♄}$ 09'45	
	1147 Oct 22 j 22:07	0° $\text{♄}$		asc. node	1148 Sep 06 j 22:56	4° $\text{♄}$ 23'54	

morning max el	1148 Sep 11 j 19:49	7° $\mathbb{M}$ 35'38	17°54'30	asc. node	1149 Aug 24 j 19:59	19° $\Omega$ 52'12	
	1148 Sep 26 j 15:59	0° $\underline{\Omega}$		morning max el	1149 Aug 26 j 10:56	21° $\Omega$ 17'30	17°54'36
morning set	1148 Sep 28 j 16:17	3° $\underline{\Omega}$ 28'10			1149 Sep 02 j 01:24	0° $\mathbb{M}$	
				morning set	1149 Sep 11 j 10:53	16° $\mathbb{M}$ 22'08	
					1149 Sep 19 j 01:42	0° $\underline{\Omega}$	
superior conj	1148 Oct 11 j 06:12	24° $\underline{\Omega}$ 41'21	0°30'21				
minimum elong	1148 Oct 11 j 09:23	24° $\underline{\Omega}$ 54'25	0°29'54				
	1148 Oct 14 j 12:37	0° $\mathbb{M}$		superior conj	1149 Sep 22 j 06:02	5° $\underline{\Omega}$ 31'38	1°06'48
desc. node	1148 Oct 15 j 19:43	2° $\mathbb{M}$ 05'00		minimum elong	1149 Sep 22 j 10:47	5° $\underline{\Omega}$ 52'03	1°06'13
max. Earth dist.	1148 Oct 16 j 23:35	3° $\mathbb{M}$ 56'26	1.44236 AU	max. Earth dist.	1149 Sep 29 j 13:33	17° $\underline{\Omega}$ 47'35	1.42857 AU
evening rise	1148 Oct 27 j 05:13	19° $\mathbb{M}$ 57'59		desc. node	1149 Oct 02 j 16:46	22° $\underline{\Omega}$ 52'15	
	1148 Nov 02 j 18:59	0° $\mathbb{M}$		evening rise	1149 Oct 06 j 15:53	29° $\underline{\Omega}$ 09'19	
evening max el	1148 Nov 24 j 08:40	29° $\mathbb{M}$ 45'28	20°34'27		1149 Oct 07 j 04:50	0° $\mathbb{M}$	
	1148 Nov 24 j 14:23	0° $\mathbb{Z}$			1149 Oct 27 j 11:48	0° $\mathbb{M}$	
retrograde	1148 Dec 02 j 10:57	4° $\mathbb{Z}$ 32'06		evening max el	1149 Nov 07 j 05:24	13° $\mathbb{M}$ 15'42	21°46'20
asc. node	1148 Dec 03 j 22:12	4° $\mathbb{Z}$ 19'57		retrograde	1149 Nov 16 j 07:48	18° $\mathbb{M}$ 40'34	
evening set	1148 Dec 06 j 07:40	3° $\mathbb{Z}$ 06'08		evening set	1149 Nov 20 j 15:24	16° $\mathbb{M}$ 58'18	
	1148 Dec 09 j 09:43	30° $\mathbb{R}$ $\mathbb{M}$		asc. node	1149 Nov 20 j 19:13	16° $\mathbb{M}$ 50'32	
inferior conj	1148 Dec 11 j 17:15	26° $\mathbb{M}$ 57'49	2°26'05	inferior conj	1149 Nov 25 j 23:50	10° $\mathbb{M}$ 41'11	1°42'37
minimum elong	1148 Dec 11 j 14:37	27° $\mathbb{M}$ 06'44	2°25'16	minimum elong	1149 Nov 25 j 21:43	10° $\mathbb{M}$ 48'30	1°41'49
min. Earth dist.	1148 Dec 12 j 07:56	26° $\mathbb{M}$ 07'49	0.67256 AU	min. Earth dist.	1149 Nov 26 j 02:57	10° $\mathbb{M}$ 30'22	0.67678 AU
morning rise	1148 Dec 16 j 21:24	20° $\mathbb{M}$ 44'40		morning rise	1149 Dec 01 j 03:53	4° $\mathbb{M}$ 28'56	
direct	1148 Dec 22 j 10:59	18° $\mathbb{M}$ 17'12		direct	1149 Dec 06 j 02:13	2° $\mathbb{M}$ 23'11	
morning max el	1149 Jan 02 j 16:11	24° $\mathbb{M}$ 58'32	24°24'13	morning max el	1149 Dec 16 j 01:53	8° $\mathbb{M}$ 18'30	22°55'58
	1149 Jan 07 j 05:23	0° $\mathbb{Z}$		desc. node	1149 Dec 29 j 15:57	25° $\mathbb{M}$ 15'13	
desc. node	1149 Jan 11 j 18:54	5° $\mathbb{Z}$ 42'30			1150 Jan 01 j 23:54	0° $\mathbb{Z}$	
	1149 Jan 28 j 11:29	0° $\approx$		morning set	1150 Jan 19 j 12:53	27° $\mathbb{Z}$ 12'23	
morning set	1149 Feb 07 j 14:35	16° $\approx$ 51'07			1150 Jan 21 j 05:04	0° $\approx$	
max. Earth dist.	1149 Feb 11 j 07:01	23° $\approx$ 24'14	1.37750 AU	max. Earth dist.	1150 Jan 24 j 02:32	4° $\approx$ 55'07	1.39884 AU
	1149 Feb 14 j 20:59	0° $\mathbb{H}$					
				superior conj	1150 Jan 31 j 20:05	18° $\approx$ 38'54	-1°57'07
superior conj	1149 Feb 18 j 04:39	6° $\mathbb{H}$ 18'25	-1°40'06	minimum elong	1150 Jan 31 j 23:12	18° $\approx$ 53'14	1°56'56
minimum elong	1149 Feb 18 j 08:45	6° $\mathbb{H}$ 38'13	1°39'40		1150 Feb 06 j 21:48	0° $\mathbb{H}$	
evening rise	1149 Feb 26 j 21:06	23° $\mathbb{H}$ 25'07		evening rise	1150 Feb 10 j 12:18	6° $\mathbb{H}$ 52'35	
asc. node	1149 Mar 01 j 21:31	29° $\mathbb{H}$ 19'50		asc. node	1150 Feb 16 j 18:33	18° $\mathbb{H}$ 33'18	
	1149 Mar 02 j 05:52	0° $\mathbb{Y}$			1150 Feb 24 j 02:43	0° $\mathbb{Y}$	
evening max el	1149 Mar 15 j 14:13	20° $\mathbb{Y}$ 27'07	19°08'06	evening max el	1150 Feb 26 j 17:42	2° $\mathbb{Y}$ 56'13	18°28'56
retrograde	1149 Mar 24 j 08:52	24° $\mathbb{Y}$ 41'37		retrograde	1150 Mar 06 j 06:51	6° $\mathbb{Y}$ 38'56	
evening set	1149 Mar 26 j 13:10	24° $\mathbb{Y}$ 27'03		evening set	1150 Mar 08 j 16:38	6° $\mathbb{Y}$ 17'27	
inferior conj	1149 Apr 03 j 18:19	20° $\mathbb{Y}$ 15'02	1°38'57	inferior conj	1150 Mar 16 j 02:47	1° $\mathbb{Y}$ 46'00	2°52'33
minimum elong	1149 Apr 03 j 21:53	20° $\mathbb{Y}$ 08'54	1°37'49	minimum elong	1150 Mar 16 j 06:44	1° $\mathbb{Y}$ 38'06	2°51'40
min. Earth dist.	1149 Apr 06 j 18:20	18° $\mathbb{Y}$ 12'45	0.56592 AU		1150 Mar 18 j 07:34	30° $\mathbb{R}$ $\mathbb{H}$	
desc. node	1149 Apr 09 j 18:07	16° $\mathbb{Y}$ 25'01		min. Earth dist.	1150 Mar 19 j 13:07	29° $\mathbb{H}$ 02'35	0.58454 AU
morning rise	1149 Apr 12 j 03:39	15° $\mathbb{Y}$ 19'07		morning rise	1150 Mar 23 j 18:03	26° $\mathbb{H}$ 19'31	
direct	1149 Apr 17 j 03:26	14° $\mathbb{Y}$ 21'04		desc. node	1150 Mar 27 j 15:09	24° $\mathbb{H}$ 58'10	
morning max el	1149 May 01 j 09:08	21° $\mathbb{Y}$ 39'47	25°29'35	direct	1150 Mar 29 j 18:11	24° $\mathbb{H}$ 46'26	
	1149 May 08 j 15:56	0° $\mathbb{Z}$			1150 Apr 10 j 10:33	0° $\mathbb{Y}$	
	1149 May 26 j 08:35	0° $\mathbb{H}$		morning max el	1150 Apr 13 j 03:08	2° $\mathbb{Y}$ 26'12	26°48'49
morning set	1149 May 28 j 11:43	4° $\mathbb{H}$ 25'42			1150 May 02 j 22:54	0° $\mathbb{Z}$	
asc. node	1149 May 28 j 20:48	5° $\mathbb{H}$ 13'43		morning set	1150 May 12 j 21:57	19° $\mathbb{Z}$ 17'06	
				asc. node	1150 May 15 j 17:51	25° $\mathbb{Z}$ 18'37	
					1150 May 17 j 21:33	0° $\mathbb{H}$	
superior conj	1149 Jun 04 j 11:16	19° $\mathbb{H}$ 33'12	1°04'44				
minimum elong	1149 Jun 04 j 08:56	19° $\mathbb{H}$ 20'30	1°04'20				
max. Earth dist.	1149 Jun 05 j 11:10	21° $\mathbb{H}$ 43'48	1.32627 AU	superior conj	1150 May 19 j 22:59	4° $\mathbb{H}$ 31'28	0°43'18
	1149 Jun 09 j 07:14	0° $\mathbb{Z}$		minimum elong	1150 May 19 j 21:13	4° $\mathbb{H}$ 21'43	0°42'56
evening rise	1149 Jun 11 j 13:28	4° $\mathbb{Z}$ 43'56		max. Earth dist.	1150 May 19 j 23:15	4° $\mathbb{H}$ 32'53	1.32276 AU
	1149 Jun 25 j 04:36	0° $\Omega$		evening rise	1150 May 26 j 20:51	19° $\mathbb{H}$ 29'36	
desc. node	1149 Jul 06 j 17:28	16° $\Omega$ 36'08			1150 Jun 01 j 01:32	0° $\mathbb{Z}$	
evening max el	1149 Jul 13 j 10:54	23° $\Omega$ 59'29	27°16'25		1150 Jun 20 j 00:30	0° $\Omega$	
	1149 Jul 21 j 20:32	0° $\mathbb{M}$		desc. node	1150 Jun 23 j 14:30	4° $\Omega$ 02'52	
retrograde	1149 Jul 27 j 06:45	1° $\mathbb{M}$ 15'26		evening max el	1150 Jun 25 j 12:53	5° $\Omega$ 58'48	26°34'46
	1149 Aug 01 j 11:08	30° $\mathbb{R}$ $\Omega$		retrograde	1150 Jul 09 j 12:23	13° $\Omega$ 12'28	
evening set	1149 Aug 03 j 10:41	28° $\Omega$ 51'44		evening set	1150 Jul 16 j 05:04	11° $\Omega$ 18'39	
min. Earth dist.	1149 Aug 07 j 00:54	26° $\Omega$ 02'50	0.62028 AU	min. Earth dist.	1150 Jul 20 j 02:14	8° $\Omega$ 41'57	0.60000 AU
inferior conj	1149 Aug 10 j 01:22	23° $\Omega$ 16'45	-4°08'38	inferior conj	1150 Jul 23 j 09:46	6° $\Omega$ 02'45	-4°42'36
minimum elong	1149 Aug 10 j 06:21	23° $\Omega$ 05'17	4°07'33	minimum elong	1150 Jul 23 j 13:00	5° $\Omega$ 56'13	4°42'16
morning rise	1149 Aug 17 j 03:29	18° $\Omega$ 16'05		morning rise	1150 Jul 30 j 22:57	1° $\Omega$ 24'29	
direct	1149 Aug 19 j 14:27	17° $\Omega$ 49'53		direct	1150 Aug 02 j 09:55	1° $\Omega$ 02'17	

morning max el	1150 Aug 09 j 22:09	4°04'12"	18°14'01"	asc. node	1151 Jul 29 j 14:07	24°01'39"	
asc. node	1150 Aug 11 j 17:03	6°03'59"			1151 Aug 02 j 03:44	0°00'00"	
morning set	1150 Aug 25 j 20:21	29°05'58"		morning set	1151 Aug 09 j 16:18	14°05'31"	
	1150 Aug 25 j 20:41	0°00'00"			1151 Aug 17 j 19:39	0°00'00"	
superior conj	1150 Sep 04 j 07:07	17°03'36"	1°30'45"	superior conj	1151 Aug 18 j 04:00	0°03'39"	1°43'15"
minimum elong	1150 Sep 04 j 10:46	17°03'52"	1°30'26"	minimum elong	1151 Aug 18 j 05:40	0°03'47"	1°43'11"
	1150 Sep 11 j 08:03	0°00'00"		max. Earth dist.	1151 Aug 25 j 01:16	13°03'23"	1.39001 AU
max. Earth dist.	1150 Sep 11 j 21:39	0°05'57"	1.41028 AU	evening rise	1151 Aug 28 j 23:10	20°03'14"	
evening rise	1150 Sep 16 j 19:26	9°08'11"			1151 Sep 03 j 19:41	0°00'00"	
desc. node	1150 Sep 19 j 13:49	13°03'55"		desc. node	1151 Sep 06 j 10:52	4°01'12"	
	1150 Sep 30 j 06:39	0°00'00"			1151 Sep 24 j 09:41	0°00'00"	
evening max el	1150 Oct 20 j 21:05	26°03'47"	23°05'10"	evening max el	1151 Oct 03 j 09:44	10°03'22"	24°24'53"
	1150 Oct 24 j 10:54	0°00'00"		retrograde	1151 Oct 14 j 16:59	16°03'59"	
retrograde	1150 Oct 31 j 02:14	2°03'51"		evening set	1151 Oct 20 j 03:10	14°03'43"	
evening set	1150 Nov 04 j 22:28	0°03'51"		min. Earth dist.	1151 Oct 24 j 19:37	9°03'20"	0.67503 AU
	1150 Nov 05 j 21:02	30°03'03"		inferior conj	1151 Oct 25 j 13:34	8°03'20"	0°00'13"
asc. node	1150 Nov 07 j 16:15	27°03'58"		minimum elong	1151 Oct 25 j 13:33	8°03'20"	0°00'12"
inferior conj	1150 Nov 10 j 07:12	24°03'29"	0°53'34"	transit middle	1151 Oct 25 j 13:33	8°03'20"	0°00'12"
minimum elong	1150 Nov 10 j 05:58	24°03'33"	0°53'02"	transit begin	1151 Oct 25 j 10:49	8°03'29"	
min. Earth dist.	1150 Nov 09 j 23:39	24°03'55"	0.67752 AU	transit end	1151 Oct 25 j 16:18	8°03'11"	
morning rise	1150 Nov 15 j 13:25	18°03'20"		asc. node	1151 Oct 25 j 13:19	8°03'21"	
direct	1150 Nov 19 j 21:08	16°03'37"		morning rise	1151 Oct 30 j 23:59	2°03'16"	
morning max el	1150 Nov 28 j 16:18	21°03'46"	21°31'23"	direct	1151 Nov 03 j 18:35	0°03'54"	
	1150 Dec 05 j 15:58	0°00'00"		morning max el	1151 Nov 11 j 13:53	5°03'24"	20°16'47"
desc. node	1150 Dec 16 j 13:02	15°03'14"			1151 Nov 29 j 18:11	0°00'00"	
	1150 Dec 26 j 07:20	0°00'00"		desc. node	1151 Dec 03 j 10:05	5°03'32"	
morning set	1150 Dec 30 j 06:14	6°03'11"		morning set	1151 Dec 09 j 03:52	14°03'20"	
max. Earth dist.	1151 Jan 06 j 02:53	17°03'17"	1.41928 AU		1151 Dec 19 j 02:40	0°00'00"	
				max. Earth dist.	1151 Dec 19 j 10:40	0°03'32"	1.43611 AU
superior conj	1151 Jan 13 j 14:55	29°03'58"	-2°03'46"	superior conj	1151 Dec 25 j 08:14	10°03'07"	-1°55'11"
minimum elong	1151 Jan 13 j 14:49	29°03'58"	2°03'45"	minimum elong	1151 Dec 25 j 02:59	9°03'45"	1°54'54"
	1151 Jan 13 j 15:09	0°00'00"			1152 Jan 06 j 01:37	0°00'00"	
evening rise	1151 Jan 24 j 14:56	19°03'40"		evening rise	1152 Jan 07 j 00:43	1°03'40"	
	1151 Jan 30 j 07:52	0°00'00"		asc. node	1152 Jan 21 j 12:38	25°03'23"	
asc. node	1151 Feb 03 j 15:36	7°03'17"		evening max el	1152 Jan 24 j 15:27	29°03'03"	18°09'58"
evening max el	1151 Feb 10 j 03:10	15°03'51"	18°09'45"		1152 Jan 25 j 15:38	0°00'00"	
retrograde	1151 Feb 16 j 22:17	19°03'18"		retrograde	1152 Jan 31 j 03:02	2°03'28"	
evening set	1151 Feb 19 j 13:23	18°03'47"		evening set	1152 Feb 02 j 23:04	1°03'47"	
inferior conj	1151 Feb 26 j 07:35	13°03'55"	3°32'47"		1152 Feb 05 j 16:29	30°03'03"	
minimum elong	1151 Feb 26 j 09:48	13°03'50"	3°32'31"	inferior conj	1152 Feb 09 j 05:00	26°03'35"	3°46'15"
min. Earth dist.	1151 Mar 01 j 14:07	10°03'54"	0.60573 AU	minimum elong	1152 Feb 09 j 05:08	26°03'34"	3°46'15"
morning rise	1151 Mar 05 j 04:16	8°03'08"		min. Earth dist.	1152 Feb 11 j 23:21	23°03'41"	0.62638 AU
direct	1151 Mar 11 j 21:07	5°03'58"		morning rise	1152 Feb 15 j 10:07	20°03'35"	
desc. node	1151 Mar 14 j 12:11	6°03'17"		direct	1152 Feb 22 j 09:26	17°03'58"	
morning max el	1151 Mar 26 j 03:16	13°03'49"	27°36'48"	desc. node	1152 Feb 29 j 09:14	20°03'12"	
	1151 Apr 08 j 02:18	0°00'00"		morning max el	1152 Mar 07 j 08:50	25°03'52"	27°47'58"
	1151 Apr 25 j 06:28	0°00'00"			1152 Mar 11 j 04:42	0°00'00"	
morning set	1151 Apr 27 j 04:53	3°03'56"			1152 Mar 31 j 14:16	0°00'00"	
asc. node	1151 May 02 j 14:54	15°03'28"		morning set	1152 Apr 10 j 06:20	18°03'16"	
max. Earth dist.	1151 May 03 j 11:15	17°03'19"	1.32303 AU		1152 Apr 15 j 21:15	0°00'00"	
				max. Earth dist.	1152 Apr 15 j 19:13	29°03'49"	1.32722 AU
superior conj	1151 May 04 j 10:20	19°03'25"	0°19'04"	superior conj	1152 Apr 17 j 19:33	4°03'09"	-0°07'14"
minimum elong	1151 May 04 j 09:29	19°03'21"	0°18'53"	minimum elong	1152 Apr 17 j 19:53	4°03'11"	0°07'09"
	1151 May 09 j 06:24	0°00'00"		behind sun begin	1152 Apr 17 j 15:13	3°03'45"	
evening rise	1151 May 11 j 07:26	4°03'22"		behind sun end	1152 Apr 18 j 00:34	4°03'36"	
	1151 May 24 j 23:18	0°00'00"		asc. node	1152 Apr 18 j 11:57	5°03'38"	
evening max el	1151 Jun 07 j 07:54	17°03'12"	25°23'21"	evening rise	1152 Apr 24 j 19:15	19°03'14"	
desc. node	1151 Jun 10 j 11:29	19°03'56"			1152 Apr 30 j 01:51	0°00'00"	
retrograde	1151 Jun 21 j 08:33	24°03'21"		evening max el	1152 May 18 j 22:20	27°03'52"	23°52'30"
evening set	1151 Jun 27 j 00:35	23°03'06"			1152 May 21 j 07:49	0°00'00"	
min. Earth dist.	1151 Jul 01 j 19:52	20°03'23"	0.57968 AU	desc. node	1152 May 27 j 08:29	3°03'41"	
inferior conj	1151 Jul 04 j 23:45	18°03'12"	-4°52'11"	retrograde	1152 Jun 01 j 16:34	4°03'46"	
minimum elong	1151 Jul 04 j 22:54	18°03'12"	4°52'10"	evening set	1152 Jun 05 j 22:05	4°03'06"	
morning rise	1151 Jul 12 j 23:48	13°03'55"		min. Earth dist.	1152 Jun 12 j 09:10	1°03'02"	0.56242 AU
direct	1151 Jul 15 j 12:45	13°03'55"					
morning max el	1151 Jul 24 j 02:18	17°03'37"	18°53'55"				

	1152 Jun 14 j 02:01	30° $\text{R}\text{II}$		min. Earth dist.	1153 May 24 j 21:02	10° $\text{II}$ 49'30	0.55166 AU
inferior conj	1152 Jun 14 j 17:34	29° $\text{II}$ 36'07	-4°23'45	inferior conj	1153 May 25 j 18:08	10° $\text{II}$ 19'46	-3°08'17
minimum elong	1152 Jun 14 j 11:42	29° $\text{II}$ 45'07	4°22'47	minimum elong	1153 May 25 j 10:37	10° $\text{II}$ 30'22	3°06'07
morning rise	1152 Jun 23 j 04:00	25° $\text{II}$ 37'35		morning rise	1153 Jun 03 j 13:38	6° $\text{II}$ 26'55	
direct	1152 Jun 25 j 20:37	25° $\text{II}$ 18'58		direct	1153 Jun 06 j 12:14	6° $\text{II}$ 07'23	
	1152 Jul 05 j 21:50	0° $\text{☿}$		morning max el	1153 Jun 18 j 03:26	11° $\text{II}$ 33'02	21°16'28
morning max el	1152 Jul 05 j 20:33	29° $\text{II}$ 57'00	19°55'06		1153 Jul 01 j 08:28	0° $\text{☿}$	
asc. node	1152 Jul 15 j 11:11	12° $\text{☿}$ 46'16		asc. node	1153 Jul 02 j 08:14	1° $\text{☿}$ 49'34	
morning set	1152 Jul 23 j 19:34	28° $\text{☿}$ 35'14		morning set	1153 Jul 08 j 03:37	13° $\text{☿}$ 20'12	
	1152 Jul 24 j 12:18	0° $\text{♂}$					
				superior conj	1153 Jul 15 j 12:55	28° $\text{☿}$ 46'09	1°41'42
superior conj	1152 Jul 31 j 15:22	14° $\text{♂}$ 27'27	1°46'16	minimum elong	1153 Jul 15 j 11:24	28° $\text{☿}$ 38'18	1°41'36
minimum elong	1152 Jul 31 j 15:11	14° $\text{♂}$ 26'33	1°46'16		1153 Jul 16 j 03:12	0° $\text{♂}$	
max. Earth dist.	1152 Aug 06 j 05:42	25° $\text{♂}$ 20'48	1.37027 AU	max. Earth dist.	1153 Jul 19 j 16:31	7° $\text{♂}$ 13'07	1.35307 AU
	1152 Aug 08 j 17:38	0° $\text{♍}$		evening rise	1153 Jul 23 j 23:33	15° $\text{♂}$ 34'35	
evening rise	1152 Aug 10 j 02:01	2° $\text{♍}$ 27'33			1153 Jul 31 j 23:58	0° $\text{♍}$	
desc. node	1152 Aug 23 j 07:52	24° $\text{♍}$ 36'30		desc. node	1153 Aug 10 j 04:51	14° $\text{♍}$ 42'29	
	1152 Aug 26 j 21:31	0° $\text{♊}$			1153 Aug 21 j 10:33	0° $\text{♊}$	
evening max el	1152 Sep 14 j 21:38	24° $\text{♊}$ 01'57	25°38'15	evening max el	1153 Aug 28 j 09:42	7° $\text{♊}$ 38'49	26°37'33
	1152 Sep 22 j 20:52	0° $\text{♋}$		retrograde	1153 Sep 10 j 08:01	14° $\text{♊}$ 52'28	
retrograde	1152 Sep 27 j 03:06	1° $\text{♋}$ 02'18		evening set	1153 Sep 16 j 22:12	12° $\text{♊}$ 10'27	
	1152 Oct 01 j 00:51	30° $\text{♋}$ ♊		min. Earth dist.	1153 Sep 20 j 23:26	7° $\text{♊}$ 59'57	0.66013 AU
evening set	1152 Oct 03 j 03:46	28° $\text{♊}$ 30'46		inferior conj	1153 Sep 22 j 16:04	5° $\text{♊}$ 58'33	-1°53'28
min. Earth dist.	1152 Oct 07 j 12:22	23° $\text{♊}$ 43'23	0.66928 AU	minimum elong	1153 Sep 22 j 19:02	5° $\text{♊}$ 49'40	1°52'17
inferior conj	1152 Oct 08 j 17:11	22° $\text{♊}$ 11'14	-0°56'00	asc. node	1153 Sep 28 j 07:25	0° $\text{♊}$ 27'09	
minimum elong	1152 Oct 08 j 18:37	22° $\text{♊}$ 06'38	0°55'23	morning rise	1153 Sep 28 j 16:23	0° $\text{♊}$ 14'12	
asc. node	1152 Oct 11 j 10:22	18° $\text{♊}$ 53'23			1153 Sep 29 j 03:41	30° $\text{♋}$ ♍	
morning rise	1152 Oct 14 j 09:42	16° $\text{♊}$ 15'33		direct	1153 Oct 01 j 14:54	29° $\text{♍}$ 25'47	
direct	1152 Oct 17 j 17:09	15° $\text{♊}$ 12'16			1153 Oct 04 j 03:15	0° $\text{♊}$	
morning max el	1152 Oct 24 j 19:06	19° $\text{♊}$ 11'30	19°16'04	morning max el	1153 Oct 08 j 06:30	3° $\text{♊}$ 04'58	18°31'03
	1152 Nov 02 j 06:22	0° $\text{♋}$			1153 Oct 26 j 16:44	0° $\text{♋}$	
morning set	1152 Nov 17 j 05:49	22° $\text{♋}$ 51'25		morning set	1153 Oct 28 j 08:08	2° $\text{♋}$ 38'07	
desc. node	1152 Nov 19 j 07:08	26° $\text{♋}$ 03'22		desc. node	1153 Nov 06 j 04:08	16° $\text{♋}$ 43'08	
	1152 Nov 21 j 19:50	0° $\text{♌}$					
max. Earth dist.	1152 Dec 01 j 01:28	14° $\text{♌}$ 29'00	1.44713 AU	superior conj	1153 Nov 13 j 01:05	27° $\text{♋}$ 33'18	-0°44'35
				minimum elong	1153 Nov 12 j 19:21	27° $\text{♋}$ 10'44	0°43'49
superior conj	1152 Dec 03 j 23:55	19° $\text{♌}$ 07'54	-1°27'57	max. Earth dist.	1153 Nov 13 j 20:08	28° $\text{♋}$ 48'07	1.45104 AU
minimum elong	1152 Dec 03 j 15:18	18° $\text{♌}$ 33'40	1°27'06		1153 Nov 14 j 14:26	0° $\text{♌}$	
	1152 Dec 10 j 18:38	0° $\text{♍}$		evening rise	1153 Nov 29 j 02:33	22° $\text{♌}$ 50'30	
evening rise	1152 Dec 18 j 13:26	12° $\text{♍}$ 44'30			1153 Dec 03 j 14:59	0° $\text{♍}$	
	1152 Dec 29 j 01:51	0° $\text{♎}$		greatest brilliancy	1153 Dec 08 j 09:43	7° $\text{♍}$ 32'15	-0.8m
evening max el	1153 Jan 07 j 03:45	12° $\text{♎}$ 25'34	18°28'52	evening max el	1153 Dec 21 j 13:33	25° $\text{♍}$ 52'15	19°05'27
asc. node	1153 Jan 07 j 09:39	12° $\text{♎}$ 40'23		asc. node	1153 Dec 25 j 06:41	28° $\text{♍}$ 53'08	
retrograde	1153 Jan 13 j 16:50	16° $\text{♎}$ 01'18		retrograde	1153 Dec 28 j 12:02	29° $\text{♍}$ 49'22	
evening set	1153 Jan 16 j 18:07	15° $\text{♎}$ 09'41		evening set	1153 Dec 31 j 19:31	28° $\text{♍}$ 45'37	
inferior conj	1153 Jan 22 j 15:07	9° $\text{♎}$ 38'09	3°39'59	inferior conj	1154 Jan 06 j 10:22	22° $\text{♍}$ 57'24	3°19'22
minimum elong	1153 Jan 22 j 13:38	9° $\text{♎}$ 42'29	3°39'51	minimum elong	1154 Jan 06 j 07:57	23° $\text{♍}$ 05'01	3°18'55
min. Earth dist.	1153 Jan 24 j 18:05	7° $\text{♎}$ 09'30	0.64426 AU	min. Earth dist.	1154 Jan 07 j 22:05	21° $\text{♍}$ 04'31	0.65831 AU
morning rise	1153 Jan 28 j 08:39	3° $\text{♎}$ 31'28		morning rise	1154 Jan 11 j 20:07	16° $\text{♍}$ 46'27	
direct	1153 Feb 04 j 05:08	0° $\text{♎}$ 40'40		direct	1154 Jan 18 j 07:14	13° $\text{♍}$ 56'39	
desc. node	1153 Feb 15 j 06:17	6° $\text{♎}$ 10'03		morning max el	1154 Jan 31 j 03:34	21° $\text{♍}$ 30'53	26°28'56
morning max el	1153 Feb 17 j 17:45	8° $\text{♎}$ 30'15	27°23'21	desc. node	1154 Feb 02 j 03:19	23° $\text{♍}$ 35'59	
	1153 Mar 06 j 11:09	0° $\text{♏}$			1154 Feb 07 j 13:24	0° $\text{♏}$	
	1153 Mar 23 j 21:22	0° $\text{♐}$			1154 Feb 27 j 15:43	0° $\text{♏}$	
morning set	1153 Mar 24 j 23:36	2° $\text{♐}$ 07'40		morning set	1154 Mar 08 j 05:08	15° $\text{♏}$ 20'02	
max. Earth dist.	1153 Mar 29 j 19:26	11° $\text{♐}$ 51'24	1.33567 AU	max. Earth dist.	1154 Mar 12 j 08:47	23° $\text{♏}$ 20'44	1.34859 AU
					1154 Mar 15 j 16:23	0° $\text{♐}$	
superior conj	1153 Apr 02 j 00:43	18° $\text{♐}$ 36'20	-0°34'36				
minimum elong	1153 Apr 02 j 02:26	18° $\text{♐}$ 45'23	0°34'15	superior conj	1154 Mar 16 j 23:38	2° $\text{♐}$ 39'51	-1°01'51
asc. node	1153 Apr 05 j 08:59	25° $\text{♐}$ 44'18		minimum elong	1154 Mar 17 j 02:40	2° $\text{♐}$ 55'27	1°01'20
	1153 Apr 07 j 08:53	0° $\text{♑}$		asc. node	1154 Mar 23 j 06:00	15° $\text{♐}$ 42'23	
evening rise	1153 Apr 09 j 06:28	4° $\text{♑}$ 01'06		evening rise	1154 Mar 24 j 15:12	18° $\text{♐}$ 34'35	
	1153 Apr 23 j 14:26	0° $\text{♒}$			1154 Mar 30 j 09:06	0° $\text{♑}$	
evening max el	1153 Apr 30 j 14:26	8° $\text{♒}$ 24'44	22°16'53	evening max el	1154 Apr 12 j 15:01	19° $\text{♑}$ 19'54	20°50'03
retrograde	1153 May 13 j 12:00	14° $\text{♒}$ 46'32		retrograde	1154 Apr 24 j 01:17	24° $\text{♑}$ 52'46	
desc. node	1153 May 14 j 05:30	14° $\text{♒}$ 45'20		evening set	1154 Apr 26 j 05:12	24° $\text{♑}$ 41'36	
evening set	1153 May 16 j 09:24	14° $\text{♒}$ 28'04		desc. node	1154 May 01 j 02:31	23° $\text{♑}$ 04'31	

inferior conj	1154 May 05 j 12:05	20°♄43'37	-1°16'14	retrograde	1155 Apr 04 j 20:01	5°♄32'53	
minimum elong	1154 May 05 j 08:28	20°♄48'45	1°14'56	evening set	1155 Apr 06 j 21:39	5°♄21'05	
min. Earth dist.	1154 May 06 j 09:41	20°♄12'51	0.54988 AU	inferior conj	1155 Apr 15 j 13:53	1°♄17'53	0°41'07
morning rise	1154 May 14 j 11:21	16°♄37'16		minimum elong	1155 Apr 15 j 15:38	1°♄15'07	0°40'30
direct	1154 May 17 j 22:03	16°♄11'41		desc. node	1155 Apr 17 j 23:33	29°♃47'22	
morning max el	1154 May 31 j 00:22	22°♄29'11	22°53'03		1155 Apr 17 j 15:22	30°♃♂	
	1154 Jun 06 j 14:18	0°♂		min. Earth dist.	1155 Apr 18 j 00:02	29°♃46'37	0.55765 AU
asc. node	1154 Jun 19 j 05:17	21°♂18'44		morning rise	1155 Apr 24 j 07:03	26°♃41'12	
morning set	1154 Jun 22 j 14:28	28°♂14'37		direct	1155 Apr 28 j 15:32	25°♃58'48	
	1154 Jun 23 j 10:30	0°♄			1155 May 09 j 02:36	0°♄	
				morning max el	1155 May 12 j 15:35	3°♄00'20	24°34'32
superior conj	1154 Jun 29 j 17:26	13°♄26'18	1°31'04		1155 May 31 j 12:07	0°♂	
minimum elong	1154 Jun 29 j 15:10	13°♄14'18	1°30'49	asc. node	1155 Jun 06 j 02:19	11°♂05'58	
max. Earth dist.	1154 Jul 02 j 12:24	19°♄19'49	1.33953 AU	morning set	1155 Jun 07 j 02:21	13°♂11'53	
evening rise	1154 Jul 07 j 11:09	29°♄23'31					
	1154 Jul 07 j 18:34	0°♂		superior conj	1155 Jun 14 j 02:18	28°♂18'40	1°15'33
	1154 Jul 25 j 02:10	0°♃		minimum elong	1155 Jun 13 j 23:52	28°♂05'26	1°15'10
desc. node	1154 Jul 28 j 01:52	4°♃22'05			1155 Jun 14 j 21:00	0°♄	
evening max el	1154 Aug 10 j 21:31	21°♃04'10	27°15'18	max. Earth dist.	1155 Jun 15 j 16:45	1°♄46'45	1.32998 AU
retrograde	1154 Aug 24 j 07:27	28°♃22'59		evening rise	1155 Jun 21 j 08:48	13°♄41'52	
evening set	1154 Aug 31 j 08:01	25°♃38'32			1155 Jun 29 j 21:26	0°♂	
min. Earth dist.	1154 Sep 04 j 02:39	22°♃04'18	0.64737 AU	desc. node	1155 Jul 14 j 22:54	23°♂23'32	
inferior conj	1154 Sep 06 j 08:02	19°♃38'06	-2°49'59		1155 Jul 20 j 08:47	0°♃	
minimum elong	1154 Sep 06 j 12:22	19°♃26'12	2°48'29	evening max el	1155 Jul 24 j 07:32	4°♃05'48	27°25'11
morning rise	1154 Sep 12 j 17:37	14°♃08'16		retrograde	1155 Aug 07 j 00:58	11°♃24'09	
direct	1154 Sep 15 j 09:32	13°♃31'06		evening set	1155 Aug 14 j 05:56	8°♃49'00	
asc. node	1154 Sep 15 j 04:28	13°♃31'20		min. Earth dist.	1155 Aug 17 j 20:17	5°♃46'12	0.63102 AU
morning max el	1154 Sep 21 j 21:39	16°♃59'22	18°02'47	inferior conj	1155 Aug 20 j 14:22	3°♃03'35	-3°42'20
	1154 Oct 01 j 07:40	0°♄		minimum elong	1155 Aug 20 j 19:27	2°♃51'00	3°40'57
morning set	1154 Oct 09 j 15:19	13°♄49'41			1155 Aug 23 j 22:15	30°♃♂	
	1154 Oct 19 j 09:54	0°♂		morning rise	1155 Aug 27 j 10:16	27°♂51'24	
				direct	1155 Aug 29 j 22:10	27°♂22'07	
superior conj	1154 Oct 23 j 09:24	6°♂25'14	0°04'24	asc. node	1155 Sep 02 j 01:31	28°♂09'27	
minimum elong	1154 Oct 23 j 09:56	6°♂27'24	0°04'20		1155 Sep 04 j 17:11	0°♃	
behind sun begin	1154 Oct 22 j 23:41	5°♂46'17		morning max el	1155 Sep 05 j 13:40	0°♃47'53	17°52'14
behind sun end	1154 Oct 23 j 20:12	7°♂08'26		morning set	1155 Sep 21 j 22:51	26°♃11'31	
desc. node	1154 Oct 24 j 01:09	7°♂28'15			1155 Sep 24 j 02:51	0°♄	
max. Earth dist.	1154 Oct 27 j 14:50	13°♂08'42	1.44753 AU				
	1154 Nov 07 j 09:49	0°♄		superior conj	1155 Oct 03 j 17:26	16°♄28'48	0°47'18
evening rise	1154 Nov 08 j 19:01	2°♄08'16		minimum elong	1155 Oct 03 j 21:44	16°♄46'46	0°46'43
greatest brilliancy	1154 Nov 22 j 15:25	23°♄13'54	-0.6m	max. Earth dist.	1155 Oct 10 j 06:47	27°♄13'43	1.43713 AU
	1154 Nov 27 j 07:43	0°♄		desc. node	1155 Oct 10 j 22:13	28°♄15'43	
evening max el	1154 Dec 04 j 18:57	9°♄20'28	19°58'01		1155 Oct 12 j 00:17	0°♂	
retrograde	1154 Dec 12 j 09:35	13°♄47'38		evening rise	1155 Oct 19 j 02:43	11°♂09'03	
asc. node	1154 Dec 12 j 03:43	13°♄47'17			1155 Oct 31 j 14:12	0°♄	
evening set	1154 Dec 16 j 00:53	12°♄30'19		evening max el	1155 Nov 17 j 18:55	22°♄50'05	21°03'56
inferior conj	1154 Dec 21 j 11:49	6°♄28'19	2°48'02	retrograde	1155 Nov 26 j 07:14	27°♄53'04	
minimum elong	1154 Dec 21 j 09:07	6°♄37'20	2°47'17	asc. node	1155 Nov 29 j 00:45	27°♄11'18	
min. Earth dist.	1154 Dec 22 j 09:44	5°♄15'08	0.66840 AU	evening set	1155 Nov 30 j 08:14	26°♄20'34	
morning rise	1154 Dec 26 j 17:09	0°♄15'12		inferior conj	1155 Dec 05 j 17:08	20°♄08'03	2°08'27
	1154 Dec 27 j 00:03	30°♃♄		minimum elong	1155 Dec 05 j 14:40	20°♄16'31	2°07'36
direct	1155 Jan 01 j 15:04	27°♄37'21		min. Earth dist.	1155 Dec 06 j 02:49	19°♄34'43	0.67472 AU
	1155 Jan 08 j 00:43	0°♄		morning rise	1155 Dec 10 j 20:55	13°♄54'47	
morning max el	1155 Jan 13 j 12:27	4°♄42'31	25°13'19	direct	1155 Dec 16 j 04:00	11°♄36'02	
desc. node	1155 Jan 20 j 00:21	12°♄04'25		morning max el	1155 Dec 26 j 20:57	17°♄59'05	23°46'43
	1155 Feb 01 j 23:28	0°♂			1156 Jan 05 j 22:15	0°♄	
morning set	1155 Feb 18 j 18:00	27°♂38'33		desc. node	1156 Jan 06 j 21:24	1°♄17'35	
	1155 Feb 20 j 01:15	0°♂			1156 Jan 26 j 01:47	0°♂	
max. Earth dist.	1155 Feb 22 j 10:35	4°♂24'36	1.36586 AU	morning set	1156 Jan 31 j 08:07	8°♂46'52	
				max. Earth dist.	1156 Feb 04 j 05:34	15°♂32'56	1.38642 AU
superior conj	1155 Feb 28 j 13:22	16°♂11'02	-1°27'16				
minimum elong	1155 Feb 28 j 17:20	16°♂30'40	1°26'44	superior conj	1156 Feb 11 j 14:16	29°♂00'41	-1°48'19
	1155 Mar 07 j 10:03	0°♃		minimum elong	1156 Feb 11 j 18:11	29°♂19'11	1°47'58
evening rise	1155 Mar 08 j 19:14	2°♃47'45			1156 Feb 12 j 02:49	0°♂	
asc. node	1155 Mar 10 j 03:02	5°♃27'20		evening rise	1156 Feb 20 j 15:59	16°♂33'46	
	1155 Mar 25 j 06:17	0°♄		asc. node	1156 Feb 25 j 00:05	24°♂53'59	
evening max el	1155 Mar 26 j 03:08	0°♄52'27	19°39'48		1156 Feb 27 j 19:21	0°♃	

evening max el	1156 Mar 08 j 01:53	13° $\Upsilon$ 03'07	18°49'05	retrograde	1157 Feb 26 j 12:10	29° $\text{X}$ 17'32	
retrograde	1156 Mar 16 j 06:35	17° $\Upsilon$ 01'49		evening set	1157 Mar 01 j 00:27	28° $\text{X}$ 52'17	
evening set	1156 Mar 18 j 13:08	16° $\Upsilon$ 44'39		inferior conj	1157 Mar 08 j 03:21	24° $\text{X}$ 12'01	3°13'22
inferior conj	1156 Mar 26 j 10:02	12° $\Upsilon$ 25'13	2°14'25	minimum elong	1157 Mar 08 j 06:42	24° $\text{X}$ 04'51	3°12'45
minimum elong	1156 Mar 26 j 14:09	12° $\Upsilon$ 17'41	2°13'16	min. Earth dist.	1157 Mar 11 j 13:31	21° $\text{X}$ 18'09	0.59349 AU
min. Earth dist.	1156 Mar 29 j 16:42	10° $\Upsilon$ 02'42	0.57330 AU	morning rise	1157 Mar 15 j 10:33	18° $\text{X}$ 35'51	
morning rise	1156 Apr 03 j 12:04	7° $\Upsilon$ 15'13		direct	1157 Mar 21 j 19:14	16° $\text{X}$ 46'34	
desc. node	1156 Apr 03 j 20:34	7° $\Upsilon$ 06'17		desc. node	1157 Mar 21 j 17:36	16° $\text{X}$ 46'35	
direct	1156 Apr 08 j 23:00	6° $\Upsilon$ 02'51		morning max el	1157 Apr 05 j 03:05	24° $\text{X}$ 31'26	27°13'36
morning max el	1156 Apr 23 j 06:55	13° $\Upsilon$ 32'33	26°06'17		1157 Apr 10 j 03:05	0° $\Upsilon$	
	1156 May 06 j 06:34	0° $\text{B}$			1157 Apr 29 j 11:05	0° $\text{B}$	
morning set	1156 May 21 j 13:40	28° $\text{B}$ 06'45		morning set	1157 May 05 j 22:44	12° $\text{B}$ 53'27	
	1156 May 22 j 11:04	0° $\text{II}$		asc. node	1157 May 09 j 20:26	21° $\text{B}$ 12'55	
asc. node	1156 May 22 j 23:22	1° $\text{II}$ 05'40		max. Earth dist.	1157 May 12 j 15:35	27° $\text{B}$ 20'02	1.32241 AU
superior conj	1156 May 28 j 13:31	13° $\text{II}$ 16'27	0°56'02	superior conj	1157 May 13 j 01:18	28° $\text{B}$ 13'26	0°33'19
minimum elong	1156 May 28 j 11:23	13° $\text{II}$ 04'42	0°55'39	minimum elong	1157 May 12 j 23:52	28° $\text{B}$ 05'36	0°33'02
max. Earth dist.	1156 May 29 j 03:00	14° $\text{II}$ 30'24	1.32434 AU		1157 May 13 j 20:40	0° $\text{II}$	
evening rise	1156 Jun 04 j 13:23	28° $\text{II}$ 20'03		evening rise	1157 May 19 j 22:24	13° $\text{II}$ 09'40	
	1156 Jun 05 j 08:42	0° $\text{S}$			1157 May 28 j 11:18	0° $\text{S}$	
	1156 Jun 22 j 04:35	0° $\Omega$		evening max el	1157 Jun 17 j 12:40	28° $\text{S}$ 12'00	26°07'41
desc. node	1156 Jun 30 j 19:55	11° $\Omega$ 30'54		desc. node	1157 Jun 17 j 16:55	28° $\text{S}$ 22'05	
evening max el	1156 Jul 05 j 13:22	16° $\Omega$ 31'22	27°02'43		1157 Jun 19 j 12:43	0° $\Omega$	
retrograde	1156 Jul 19 j 11:18	23° $\Omega$ 46'25		retrograde	1157 Jul 01 j 12:54	5° $\Omega$ 23'20	
evening set	1156 Jul 26 j 11:44	21° $\Omega$ 34'12		evening set	1157 Jul 07 j 20:48	3° $\Omega$ 45'45	
min. Earth dist.	1156 Jul 30 j 03:38	18° $\Omega$ 52'13	0.61182 AU	min. Earth dist.	1157 Jul 12 j 01:22	1° $\Omega$ 08'34	0.59123 AU
inferior conj	1156 Aug 02 j 07:49	16° $\Omega$ 06'51	-4°25'17		1157 Jul 13 j 14:16	30° $\text{K}$ $\text{S}$	
minimum elong	1156 Aug 02 j 12:20	15° $\Omega$ 57'00	4°24'31	inferior conj	1157 Jul 15 j 08:52	28° $\text{S}$ 38'47	-4°50'28
morning rise	1156 Aug 09 j 14:38	11° $\Omega$ 15'14		minimum elong	1157 Jul 15 j 10:39	28° $\text{S}$ 35'24	4°50'22
direct	1156 Aug 12 j 01:11	10° $\Omega$ 51'03		morning rise	1157 Jul 23 j 02:40	24° $\text{S}$ 09'52	
asc. node	1156 Aug 18 j 22:35	14° $\Omega$ 10'55		direct	1157 Jul 25 j 14:25	23° $\text{S}$ 48'45	
morning max el	1156 Aug 19 j 03:28	14° $\Omega$ 22'38	18°00'21	morning max el	1157 Aug 02 j 12:01	27° $\text{S}$ 35'51	18°28'21
	1156 Aug 29 j 20:19	0° $\text{M}$			1157 Aug 04 j 17:39	0° $\Omega$	
morning set	1156 Sep 04 j 00:25	9° $\text{M}$ 24'58		asc. node	1157 Aug 05 j 19:39	1° $\Omega$ 21'08	
				morning set	1157 Aug 18 j 14:52	23° $\Omega$ 16'18	
superior conj	1156 Sep 14 j 04:31	27° $\text{M}$ 51'46	1°18'28		1157 Aug 22 j 02:47	0° $\text{M}$	
minimum elong	1156 Sep 14 j 09:01	28° $\text{M}$ 11'31	1°17'59	superior conj	1157 Aug 27 j 14:46	10° $\text{M}$ 23'43	1°37'21
	1156 Sep 15 j 09:49	0° $\text{A}$		minimum elong	1157 Aug 27 j 17:37	10° $\text{M}$ 36'53	1°37'09
max. Earth dist.	1156 Sep 21 j 18:06	10° $\text{A}$ 47'47	1.42122 AU	max. Earth dist.	1157 Sep 04 j 00:29	23° $\text{M}$ 41'08	1.40183 AU
desc. node	1156 Sep 26 j 19:15	19° $\text{A}$ 01'42			1157 Sep 07 j 17:23	0° $\text{A}$	
evening rise	1156 Sep 27 j 19:04	20° $\text{A}$ 36'42		evening rise	1157 Sep 08 j 08:43	1° $\text{A}$ 04'02	
	1156 Oct 03 j 19:28	0° $\text{M}$		desc. node	1157 Sep 13 j 16:17	9° $\text{A}$ 42'53	
	1156 Oct 24 j 23:48	0° $\text{J}$			1157 Sep 27 j 04:55	0° $\text{M}$	
evening max el	1156 Oct 30 j 13:26	6° $\text{J}$ 21'02	22°19'27	evening max el	1157 Oct 13 j 03:43	19° $\text{M}$ 54'47	23°39'19
retrograde	1156 Nov 09 j 03:06	12° $\text{J}$ 02'21		retrograde	1157 Oct 23 j 19:57	26° $\text{M}$ 12'40	
evening set	1156 Nov 13 j 15:50	10° $\text{J}$ 13'01		evening set	1157 Oct 28 j 22:06	24° $\text{M}$ 05'46	
asc. node	1156 Nov 14 j 21:48	9° $\text{J}$ 03'49		asc. node	1157 Nov 01 j 18:51	19° $\text{M}$ 46'33	
inferior conj	1156 Nov 19 j 00:15	3° $\text{J}$ 53'32	1°22'25	inferior conj	1157 Nov 03 j 07:24	17° $\text{M}$ 42'58	0°31'22
minimum elong	1156 Nov 18 j 22:28	3° $\text{J}$ 59'42	1°21'42	minimum elong	1157 Nov 03 j 06:40	17° $\text{M}$ 45'30	0°31'02
min. Earth dist.	1156 Nov 18 j 22:51	3° $\text{J}$ 58'24	0.67752 AU	min. Earth dist.	1157 Nov 02 j 19:26	18° $\text{M}$ 23'49	0.67696 AU
	1156 Nov 21 j 23:09	30° $\text{K}$ $\text{M}$		morning rise	1157 Nov 08 j 15:11	11° $\text{M}$ 35'53	
morning rise	1156 Nov 24 j 04:57	27° $\text{M}$ 42'14		direct	1157 Nov 12 j 17:12	10° $\text{M}$ 02'11	
direct	1156 Nov 28 j 21:03	25° $\text{M}$ 45'55		morning max el	1157 Nov 21 j 01:15	14° $\text{M}$ 52'41	20°58'06
	1156 Dec 06 j 22:28	0° $\text{J}$			1157 Dec 02 j 23:55	0° $\text{J}$	
morning max el	1156 Dec 08 j 08:00	1° $\text{J}$ 20'56	22°19'01	desc. node	1157 Dec 10 j 15:32	11° $\text{J}$ 10'13	
desc. node	1156 Dec 23 j 18:27	21° $\text{J}$ 02'25		morning set	1157 Dec 21 j 00:32	27° $\text{J}$ 01'44	
	1156 Dec 29 j 21:00	0° $\text{Z}$			1157 Dec 22 j 21:57	0° $\text{Z}$	
morning set	1157 Jan 10 j 17:49	18° $\text{Z}$ 31'08		max. Earth dist.	1157 Dec 29 j 06:15	10° $\text{Z}$ 09'54	1.42714 AU
max. Earth dist.	1157 Jan 16 j 02:14	27° $\text{Z}$ 22'29	1.40786 AU				
	1157 Jan 17 j 15:21	0° $\approx$		superior conj	1158 Jan 05 j 05:58	21° $\text{Z}$ 46'38	-2°02'15
superior conj	1157 Jan 23 j 21:34	10° $\approx$ 56'35	-2°01'30	minimum elong	1158 Jan 05 j 03:47	21° $\text{Z}$ 37'26	2°02'12
minimum elong	1157 Jan 23 j 23:38	11° $\approx$ 05'49	2°01'25		1158 Jan 10 j 00:41	0° $\approx$	
evening rise	1157 Feb 03 j 02:14	29° $\approx$ 44'36		evening rise	1158 Jan 16 j 22:11	12° $\approx$ 12'46	
	1157 Feb 03 j 05:31	0° $\text{X}$			1158 Jan 27 j 04:30	0° $\text{X}$	
asc. node	1157 Feb 10 j 21:08	13° $\text{X}$ 55'34		asc. node	1158 Jan 28 j 18:09	2° $\text{X}$ 24'32	
evening max el	1157 Feb 19 j 08:19	25° $\text{X}$ 43'54	18°18'24	evening max el	1158 Feb 02 j 19:16	8° $\text{X}$ 46'25	18°07'27

retrograde	1158 Feb 09 j 09:55	12° $\text{H}$ 10'52		1159 Jan 02 j 14:27	0° $\approx$	
evening set	1158 Feb 12 j 03:11	11° $\text{H}$ 36'10		1159 Jan 15 j 15:10	20° $\approx$ 11'04	
inferior conj	1158 Feb 18 j 15:39	6° $\text{H}$ 34'47	3°41'19	evening max el	1159 Jan 17 j 07:49	22° $\approx$ 03'15 18°15'44
minimum elong	1158 Feb 18 j 16:58	6° $\text{H}$ 31'33	3°41'14	retrograde	1159 Jan 23 j 19:11	25° $\approx$ 31'50
min. Earth dist.	1158 Feb 21 j 17:32	3° $\text{H}$ 34'17	0.61475 AU	evening set	1159 Jan 26 j 17:16	24° $\approx$ 46'49
morning rise	1158 Feb 25 j 05:15	0° $\text{H}$ 41'29		inferior conj	1159 Feb 01 j 19:00	19° $\approx$ 25'48 3°45'38
	1158 Feb 26 j 07:16	30° $\text{R}$ $\approx$		minimum elong	1159 Feb 01 j 18:22	19° $\approx$ 27'32 3°45'37
direct	1158 Mar 04 j 02:00	28° $\approx$ 18'37		min. Earth dist.	1159 Feb 04 j 06:55	16° $\approx$ 40'41 0.63434 AU
desc. node	1158 Mar 08 j 14:39	29° $\approx$ 14'52		morning rise	1159 Feb 07 j 18:39	13° $\approx$ 22'26
	1158 Mar 10 j 05:40	0° $\text{H}$		direct	1159 Feb 14 j 17:34	10° $\approx$ 37'27
morning max el	1158 Mar 18 j 05:45	6° $\text{H}$ 11'25	27°46'19	desc. node	1159 Feb 23 j 11:42	14° $\approx$ 06'46
	1158 Apr 05 j 04:33	0° $\text{Y}$		morning max el	1159 Feb 28 j 13:21	18° $\approx$ 31'39 27°41'42
morning set	1158 Apr 20 j 03:35	27° $\text{Y}$ 24'57			1159 Mar 10 j 05:59	0° $\text{H}$
	1158 Apr 21 j 09:36	0° $\text{B}$			1159 Mar 29 j 01:13	0° $\text{Y}$
max. Earth dist.	1158 Apr 26 j 02:31	10° $\text{B}$ 01'29	1.32429 AU	morning set	1159 Apr 04 j 01:56	11° $\text{Y}$ 33'58
asc. node	1158 Apr 26 j 17:28	11° $\text{B}$ 22'43		max. Earth dist.	1159 Apr 09 j 07:44	22° $\text{Y}$ 21'10 1.33024 AU
superior conj	1158 Apr 27 j 11:53	13° $\text{B}$ 03'10	0°08'08	superior conj	1159 Apr 11 j 19:37	27° $\text{Y}$ 40'20 -0°18'46
minimum elong	1158 Apr 27 j 11:31	13° $\text{B}$ 01'07	0°08'03	minimum elong	1159 Apr 11 j 20:31	27° $\text{Y}$ 45'15 0°18'34
behind sun begin	1158 Apr 27 j 07:05	12° $\text{B}$ 36'59			1159 Apr 12 j 21:34	0° $\text{B}$
behind sun end	1158 Apr 27 j 15:56	13° $\text{B}$ 25'17		asc. node	1159 Apr 13 j 14:29	1° $\text{B}$ 31'22
evening rise	1158 May 04 j 09:42	28° $\text{B}$ 02'44		evening rise	1159 Apr 18 j 21:29	12° $\text{B}$ 53'07
	1158 May 05 j 07:57	0° $\text{II}$			1159 Apr 27 j 14:30	0° $\text{II}$
	1158 May 22 j 09:42	0° $\text{E}$		evening max el	1159 May 11 j 19:03	19° $\text{II}$ 39'44 23°11'30
evening max el	1158 May 30 j 05:04	9° $\text{E}$ 07'58	24°46'18	desc. node	1159 May 22 j 10:54	26° $\text{II}$ 05'19
desc. node	1158 Jun 04 j 13:55	13° $\text{E}$ 25'38		retrograde	1159 May 25 j 06:46	26° $\text{II}$ 23'32
retrograde	1158 Jun 13 j 03:56	16° $\text{E}$ 12'25		evening set	1159 May 28 j 21:22	25° $\text{II}$ 54'57
evening set	1158 Jun 18 j 06:18	15° $\text{E}$ 13'27		min. Earth dist.	1159 Jun 05 j 04:42	22° $\text{II}$ 37'14 0.55681 AU
min. Earth dist.	1158 Jun 23 j 16:19	12° $\text{E}$ 23'08	0.57175 AU	inferior conj	1159 Jun 06 j 23:52	21° $\text{II}$ 34'01 -3°57'29
inferior conj	1158 Jun 26 j 14:16	10° $\text{E}$ 28'45	-4°45'35	minimum elong	1159 Jun 06 j 16:38	21° $\text{II}$ 44'39 3°55'52
minimum elong	1158 Jun 26 j 11:12	10° $\text{E}$ 33'49	4°45'19	morning rise	1159 Jun 15 j 14:31	17° $\text{II}$ 40'05
morning rise	1158 Jul 04 j 18:50	6° $\text{E}$ 21'28		direct	1159 Jun 18 j 08:58	17° $\text{II}$ 21'38
direct	1158 Jul 07 j 09:20	6° $\text{E}$ 02'18		morning max el	1159 Jun 29 j 01:47	22° $\text{II}$ 18'45 20°27'31
morning max el	1158 Jul 16 j 12:14	10° $\text{E}$ 17'21	19°17'24		1159 Jul 05 j 12:52	0° $\text{E}$
asc. node	1158 Jul 23 j 16:43	19° $\text{E}$ 24'27		asc. node	1159 Jul 10 j 13:45	8° $\text{E}$ 08'31
	1158 Jul 29 j 17:22	0° $\text{O}$		morning set	1159 Jul 17 j 19:49	22° $\text{E}$ 10'27
morning set	1158 Aug 02 j 14:17	7° $\text{O}$ 34'01			1159 Jul 21 j 14:58	0° $\text{O}$
superior conj	1158 Aug 10 j 18:26	23° $\text{O}$ 47'54	1°45'35	superior conj	1159 Jul 25 j 10:36	7° $\text{O}$ 49'56 1°45'10
minimum elong	1158 Aug 10 j 19:16	23° $\text{O}$ 51'58	1°45'33	minimum elong	1159 Jul 25 j 09:47	7° $\text{O}$ 45'47 1°45'08
	1158 Aug 14 j 00:00	0° $\text{P}$		max. Earth dist.	1159 Jul 30 j 10:08	17° $\text{O}$ 43'06 1.36251 AU
max. Earth dist.	1158 Aug 17 j 04:01	5° $\text{P}$ 53'22	1.38142 AU	evening rise	1159 Aug 03 j 10:01	25° $\text{O}$ 16'24
evening rise	1158 Aug 20 j 22:40	12° $\text{P}$ 39'22			1159 Aug 06 j 00:28	0° $\text{P}$
	1158 Aug 31 j 09:35	0° $\text{A}$		desc. node	1159 Aug 18 j 10:17	20° $\text{P}$ 31'31
desc. node	1158 Aug 31 j 13:18	0° $\text{A}$ 14'32			1159 Aug 24 j 22:07	0° $\text{A}$
	1158 Sep 22 j 07:28	0° $\text{M}$		evening max el	1159 Sep 08 j 03:23	17° $\text{A}$ 09'23 26°05'35
evening max el	1158 Sep 25 j 15:41	3° $\text{M}$ 31'19	24°57'10	retrograde	1159 Sep 20 j 16:58	24° $\text{A}$ 17'27
retrograde	1158 Oct 07 j 08:48	10° $\text{M}$ 19'27		evening set	1159 Sep 26 j 23:33	21° $\text{A}$ 40'32
evening set	1158 Oct 13 j 01:17	7° $\text{M}$ 55'51		min. Earth dist.	1159 Oct 01 j 04:52	17° $\text{A}$ 08'44 0.66581 AU
min. Earth dist.	1158 Oct 17 j 14:13	2° $\text{M}$ 48'10	0.67306 AU	inferior conj	1159 Oct 02 j 14:40	15° $\text{A}$ 23'26 -1°20'22
inferior conj	1158 Oct 18 j 12:48	1° $\text{M}$ 33'47	-0°23'23	minimum elong	1159 Oct 02 j 16:45	15° $\text{A}$ 16'55 1°19'29
minimum elong	1158 Oct 18 j 13:23	1° $\text{M}$ 31'51	0°23'08	asc. node	1159 Oct 06 j 12:57	10° $\text{A}$ 58'23
asc. node	1158 Oct 19 j 15:54	0° $\text{M}$ 05'33		morning rise	1159 Oct 08 j 10:19	9° $\text{A}$ 32'14
	1158 Oct 19 j 17:38	30° $\text{R}$ $\text{A}$		direct	1159 Oct 11 j 13:34	8° $\text{A}$ 35'56
morning rise	1158 Oct 24 j 01:38	25° $\text{A}$ 33'18		morning max el	1159 Oct 18 j 10:27	12° $\text{A}$ 25'47 18°54'50
direct	1158 Oct 27 j 15:11	24° $\text{A}$ 20'01			1159 Oct 31 j 06:27	0° $\text{M}$
morning max el	1158 Nov 04 j 02:18	28° $\text{A}$ 35'10	19°49'06	morning set	1159 Nov 09 j 07:33	14° $\text{M}$ 09'34
	1158 Nov 05 j 10:17	0° $\text{M}$		desc. node	1159 Nov 14 j 09:35	22° $\text{M}$ 09'07
	1158 Nov 26 j 12:04	0° $\text{J}$			1159 Nov 19 j 09:36	0° $\text{J}$
desc. node	1158 Nov 27 j 12:35	1° $\text{J}$ 34'10		max. Earth dist.	1159 Nov 24 j 09:47	7° $\text{J}$ 51'50 1.44966 AU
morning set	1158 Nov 29 j 20:51	5° $\text{J}$ 11'04		superior conj	1159 Nov 25 j 19:10	10° $\text{J}$ 03'13 -1°11'02
max. Earth dist.	1158 Dec 11 j 17:32	23° $\text{J}$ 45'33	1.44161 AU	minimum elong	1159 Nov 25 j 10:58	9° $\text{J}$ 30'56 1°10'05
	1158 Dec 15 j 15:02	0° $\text{Z}$			1159 Dec 08 j 07:48	0° $\text{Z}$
superior conj	1158 Dec 16 j 11:50	1° $\text{Z}$ 24'00	-1°45'56	evening rise	1159 Dec 11 j 02:16	4° $\text{Z}$ 28'43
minimum elong	1158 Dec 16 j 04:35	0° $\text{Z}$ 54'43	1°45'24		1159 Dec 27 j 08:00	0° $\approx$
evening rise	1158 Dec 29 j 23:32	23° $\text{Z}$ 49'53		evening max el	1159 Dec 31 j 19:18	5° $\approx$ 27'34 18°42'23



asc. node	1160 Jan 02 j 12:13	7° $\approx$ 02'05	evening rise	1160 Nov 20 j 05:50	14° $\approx$ 12'15
retrograde	1160 Jan 07 j 11:39	9° $\approx$ 11'26		1160 Nov 30 j 09:32	0° $\approx$
evening set	1160 Jan 10 j 15:19	8° $\approx$ 15'00	greatest brilliancy	1160 Dec 01 j 17:59	2° $\approx$ 04'16 -0.7m
inferior conj	1160 Jan 16 j 09:25	2° $\approx$ 36'15 3°32'44	evening max el	1160 Dec 14 j 03:34	18° $\approx$ 55'55 19°26'00
minimum elong	1160 Jan 16 j 07:28	2° $\approx$ 42'11 3°32'28	asc. node	1160 Dec 19 j 09:15	22° $\approx$ 43'31
min. Earth dist.	1160 Jan 18 j 05:53	0° $\approx$ 21'37 0.65071 AU	retrograde	1160 Dec 21 j 08:04	23° $\approx$ 04'30
	1160 Jan 18 j 13:12	30° $\approx$ 8'3	evening set	1160 Dec 24 j 18:41	21° $\approx$ 55'13
morning rise	1160 Jan 21 j 23:10	26° $\approx$ 32'18	inferior conj	1160 Dec 30 j 07:39	16° $\approx$ 30'03 3°07'13
direct	1160 Jan 28 j 16:20	23° $\approx$ 34'59	minimum elong	1160 Dec 30 j 05:03	16° $\approx$ 30'30 3°06'36
	1160 Feb 09 j 13:51	0° $\approx$	min. Earth dist.	1160 Dec 31 j 13:22	14° $\approx$ 32'43 0.66318 AU
desc. node	1160 Feb 10 j 08:45	0° $\approx$ 45'18	morning rise	1161 Jan 04 j 15:11	9° $\approx$ 34'05
morning max el	1160 Feb 10 j 22:55	1° $\approx$ 20'24 27°03'17	direct	1161 Jan 10 j 21:10	7° $\approx$ 02'59
	1160 Mar 03 j 08:20	0° $\approx$	morning max el	1161 Jan 23 j 08:14	14° $\approx$ 32'12 25°58'35
morning set	1160 Mar 17 j 14:41	25° $\approx$ 10'01	desc. node	1161 Jan 27 j 05:49	18° $\approx$ 34'02
	1160 Mar 20 j 01:56	0° $\approx$		1161 Feb 05 j 01:46	0° $\approx$
max. Earth dist.	1160 Mar 22 j 03:20	4° $\approx$ 07'56 1.34057 AU		1161 Feb 24 j 03:04	0° $\approx$
			morning set	1161 Feb 28 j 13:45	8° $\approx$ 10'57
superior conj	1160 Mar 25 j 22:24	11° $\approx$ 57'53 -0°46'17	max. Earth dist.	1161 Mar 04 j 11:16	15° $\approx$ 12'38 1.35551 AU
minimum elong	1160 Mar 26 j 00:42	12° $\approx$ 09'53 0°45'50			
asc. node	1160 Mar 30 j 11:31	21° $\approx$ 34'13	superior conj	1161 Mar 09 j 17:48	25° $\approx$ 48'42 -1°13'01
evening rise	1160 Apr 02 j 07:51	27° $\approx$ 34'00	minimum elong	1161 Mar 09 j 21:19	26° $\approx$ 06'27 1°12'26
	1160 Apr 03 j 11:59	0° $\approx$		1161 Mar 11 j 19:08	0° $\approx$
	1160 Apr 22 j 06:28	0° $\approx$	asc. node	1161 Mar 17 j 08:33	11° $\approx$ 27'06
evening max el	1160 Apr 22 j 14:06	0° $\approx$ 18'42 21°38'18	evening rise	1161 Mar 17 j 14:51	11° $\approx$ 59'19
retrograde	1160 May 04 j 22:24	6° $\approx$ 20'58		1161 Mar 27 j 03:27	0° $\approx$
evening set	1160 May 07 j 09:56	6° $\approx$ 07'06	evening max el	1161 Apr 04 j 19:37	11° $\approx$ 28'59 20°17'50
desc. node	1160 May 08 j 07:55	5° $\approx$ 55'17	retrograde	1161 Apr 15 j 11:53	16° $\approx$ 38'14
inferior conj	1160 May 16 j 19:54	2° $\approx$ 05'23 -2°23'42	evening set	1161 Apr 17 j 13:37	16° $\approx$ 27'26
minimum elong	1160 May 16 j 13:29	2° $\approx$ 14'22 2°21'35	desc. node	1161 Apr 25 j 04:58	13° $\approx$ 19'26
min. Earth dist.	1160 May 16 j 17:04	2° $\approx$ 09'21 0.54969 AU	inferior conj	1161 Apr 26 j 15:25	12° $\approx$ 29'18 -0°24'57
	1160 May 20 j 17:23	30° $\approx$ 8'8	minimum elong	1161 Apr 26 j 14:15	12° $\approx$ 31'00 0°24'31
morning rise	1160 May 25 j 17:53	28° $\approx$ 08'48	min. Earth dist.	1161 Apr 28 j 06:15	11° $\approx$ 32'15 0.55214 AU
direct	1160 May 28 j 20:29	27° $\approx$ 47'35	morning rise	1161 May 05 j 13:23	8° $\approx$ 11'35
	1160 Jun 05 j 10:00	0° $\approx$	direct	1161 May 09 j 08:42	7° $\approx$ 40'09
morning max el	1160 Jun 10 j 04:05	3° $\approx$ 36'18 21°56'13	morning max el	1161 May 22 j 21:39	14° $\approx$ 17'50 23°36'28
asc. node	1160 Jun 26 j 10:48	27° $\approx$ 23'15		1161 Jun 04 j 01:57	0° $\approx$
	1160 Jun 27 j 18:53	0° $\approx$	asc. node	1161 Jun 13 j 07:50	17° $\approx$ 00'33
morning set	1160 Jul 01 j 05:16	6° $\approx$ 59'23	morning set	1161 Jun 15 j 16:44	21° $\approx$ 55'11
				1161 Jun 19 j 11:29	0° $\approx$
superior conj	1160 Jul 08 j 11:26	22° $\approx$ 18'23 1°37'51			
minimum elong	1160 Jul 08 j 09:33	22° $\approx$ 08'25 1°37'42	superior conj	1161 Jun 22 j 18:02	7° $\approx$ 03'56 1°25'00
max. Earth dist.	1160 Jul 12 j 00:24	29° $\approx$ 38'10 1.34678 AU	minimum elong	1161 Jun 22 j 15:38	6° $\approx$ 51'02 1°24'43
	1160 Jul 12 j 04:41	0° $\approx$	max. Earth dist.	1161 Jun 25 j 00:17	11° $\approx$ 53'51 1.33498 AU
evening rise	1160 Jul 16 j 14:05	8° $\approx$ 42'37	evening rise	1161 Jun 30 j 06:22	22° $\approx$ 45'03
	1160 Jul 28 j 13:19	0° $\approx$		1161 Jul 03 j 23:32	0° $\approx$
desc. node	1160 Aug 04 j 07:17	10° $\approx$ 27'09	desc. node	1161 Jul 22 j 04:18	29° $\approx$ 51'50
	1160 Aug 19 j 21:54	0° $\approx$		1161 Jul 22 j 06:40	0° $\approx$
evening max el	1160 Aug 20 j 15:37	0° $\approx$ 43'13 26°56'47	evening max el	1161 Aug 03 j 03:10	14° $\approx$ 00'35 27°23'26
retrograde	1160 Sep 02 j 19:47	8° $\approx$ 00'15	retrograde	1161 Aug 16 j 16:35	21° $\approx$ 18'56
evening set	1160 Sep 09 j 14:43	5° $\approx$ 16'16	evening set	1161 Aug 23 j 19:54	18° $\approx$ 37'11
min. Earth dist.	1160 Sep 13 j 13:03	1° $\approx$ 21'10 0.65506 AU	min. Earth dist.	1161 Aug 27 j 12:26	15° $\approx$ 17'03 0.64077 AU
	1160 Sep 14 j 17:14	30° $\approx$ 8'11	inferior conj	1161 Aug 29 j 23:11	12° $\approx$ 42'57 -3°12'58
inferior conj	1160 Sep 15 j 10:57	29° $\approx$ 08'34 -2°17'43	minimum elong	1161 Aug 30 j 03:57	12° $\approx$ 30'24 3°11'27
minimum elong	1160 Sep 15 j 14:32	28° $\approx$ 58'11 2°16'21	morning rise	1161 Sep 05 j 13:01	7° $\approx$ 19'58
morning rise	1160 Sep 21 j 15:01	23° $\approx$ 29'43	direct	1161 Sep 08 j 02:59	6° $\approx$ 46'23
asc. node	1160 Sep 22 j 10:01	23° $\approx$ 08'54	asc. node	1161 Sep 09 j 07:04	6° $\approx$ 53'23
direct	1160 Sep 24 j 10:22	22° $\approx$ 46'33	morning max el	1161 Sep 14 j 15:34	10° $\approx$ 12'32 17°56'08
morning max el	1160 Sep 30 j 23:46	26° $\approx$ 20'24 18°16'54		1161 Sep 28 j 00:28	0° $\approx$
	1160 Oct 04 j 03:26	0° $\approx$	morning set	1161 Oct 01 j 16:53	6° $\approx$ 18'10
morning set	1160 Oct 19 j 22:31	24° $\approx$ 34'05			
	1160 Oct 23 j 06:34	0° $\approx$	superior conj	1161 Oct 14 j 13:57	27° $\approx$ 52'02 0°23'48
desc. node	1160 Oct 31 j 06:37	12° $\approx$ 51'43	minimum elong	1161 Oct 14 j 16:34	28° $\approx$ 02'41 0°23'27
				1161 Oct 15 j 21:29	0° $\approx$
superior conj	1160 Nov 03 j 20:50	18° $\approx$ 33'23 -0°23'44	desc. node	1161 Oct 18 j 03:38	3° $\approx$ 38'01
minimum elong	1160 Nov 03 j 17:45	18° $\approx$ 21'11 0°23'19	max. Earth dist.	1161 Oct 19 j 23:05	6° $\approx$ 31'30 1.44393 AU
max. Earth dist.	1160 Nov 06 j 04:43	22° $\approx$ 13'36 1.45046 AU	evening rise	1161 Oct 30 j 16:41	23° $\approx$ 18'17
	1160 Nov 11 j 03:40	0° $\approx$		1161 Nov 04 j 01:36	0° $\approx$

	1161 Nov 25 j 02:15	0°♄		evening rise	1162 Oct 10 j 01:56	2°♄24'44	
evening max el	1161 Nov 27 j 06:50	2°♄25'13	20°24'34		1162 Oct 28 j 14:13	0°♄	
retrograde	1161 Dec 05 j 05:53	7°♄06'32		evening max el	1162 Nov 10 j 04:21	15°♄54'48	21°35'05
asc. node	1161 Dec 06 j 06:19	7°♄00'41		retrograde	1162 Nov 19 j 03:02	21°♄14'09	
evening set	1161 Dec 09 j 01:10	5°♄42'46		evening set	1162 Nov 23 j 08:52	19°♄34'24	
inferior conj	1161 Dec 14 j 11:02	29°♄35'56	2°32'08	asc. node	1162 Nov 23 j 03:22	19°♄44'59	
minimum elong	1161 Dec 14 j 08:23	29°♄44'56	2°31'18	inferior conj	1162 Nov 28 j 17:21	13°♄18'15	1°49'37
	1161 Dec 14 j 03:55	30°♄♄		minimum elong	1162 Nov 28 j 15:08	13°♄25'56	1°48'48
min. Earth dist.	1161 Dec 15 j 03:31	28°♄40'03	0.67163 AU	min. Earth dist.	1162 Nov 28 j 22:07	13°♄01'46	0.67633 AU
morning rise	1161 Dec 19 j 15:25	23°♄22'47		morning rise	1162 Dec 03 j 21:15	7°♄05'39	
direct	1161 Dec 25 j 07:11	20°♄52'33		direct	1162 Dec 08 j 21:48	4°♄56'33	
morning max el	1162 Jan 05 j 16:42	27°♄40'10	24°37'11	morning max el	1162 Dec 19 j 02:02	10°♄59'17	23°09'05
	1162 Jan 07 j 21:35	0°♄		desc. node	1162 Dec 31 j 23:55	26°♄57'29	
desc. node	1162 Jan 14 j 02:52	7°♄29'40			1163 Jan 03 j 03:52	0°♄	
	1162 Jan 29 j 18:34	0°♄		morning set	1163 Jan 22 j 20:22	0°♄25'40	
morning set	1162 Feb 10 j 17:45	19°♄51'40			1163 Jan 22 j 14:13	0°♄	
max. Earth dist.	1162 Feb 14 j 09:38	26°♄25'30	1.37441 AU	max. Earth dist.	1163 Jan 27 j 04:50	7°♄49'46	1.39561 AU
	1162 Feb 16 j 08:12	0°♄					
				superior conj	1163 Feb 03 j 20:42	21°♄32'17	-1°55'07
superior conj	1162 Feb 21 j 02:38	9°♄03'55	-1°36'55	minimum elong	1163 Feb 04 j 00:07	21°♄48'02	1°54'53
minimum elong	1162 Feb 21 j 06:45	9°♄23'53	1°36'26		1163 Feb 08 j 08:58	0°♄	
evening rise	1162 Mar 01 j 16:10	26°♄02'23		evening rise	1163 Feb 13 j 08:56	9°♄34'58	
	1162 Mar 03 j 16:15	0°♄		asc. node	1163 Feb 19 j 02:40	20°♄22'29	
asc. node	1162 Mar 04 j 05:37	1°♄05'18			1163 Feb 24 j 22:32	0°♄	
evening max el	1162 Mar 18 j 12:32	23°♄18'30	19°15'41	evening max el	1163 Mar 01 j 14:53	5°♄42'53	18°33'30
retrograde	1162 Mar 27 j 12:44	27°♄39'28		retrograde	1163 Mar 09 j 07:45	9°♄29'21	
evening set	1162 Mar 29 j 16:11	27°♄25'45		evening set	1163 Mar 11 j 16:38	9°♄09'06	
inferior conj	1162 Apr 07 j 00:15	23°♄16'08	1°24'45	inferior conj	1163 Mar 19 j 05:31	4°♄40'55	2°43'37
minimum elong	1162 Apr 07 j 03:28	23°♄10'44	1°23'41	minimum elong	1163 Mar 19 j 09:35	4°♄32'56	2°42'38
min. Earth dist.	1162 Apr 09 j 21:10	21°♄21'36	0.56355 AU	min. Earth dist.	1163 Mar 22 j 15:24	2°♄02'06	0.58150 AU
desc. node	1162 Apr 12 j 02:01	20°♄01'17			1163 Mar 25 j 16:26	30°♄♄	
morning rise	1162 Apr 15 j 11:53	18°♄25'13		morning rise	1163 Mar 26 j 23:36	29°♄18'15	
direct	1162 Apr 20 j 07:33	17°♄31'43		desc. node	1163 Mar 29 j 23:04	28°♄12'07	
morning max el	1162 May 04 j 12:14	24°♄46'18	25°15'48	direct	1163 Apr 01 j 20:28	27°♄50'41	
	1162 May 09 j 07:56	0°♄			1163 Apr 09 j 04:47	0°♄	
	1162 May 27 j 20:28	0°♄		morning max el	1163 Apr 16 j 05:30	5°♄28'30	26°38'43
morning set	1162 May 31 j 04:36	6°♄52'44			1163 May 04 j 06:12	0°♄	
asc. node	1162 May 31 j 04:53	6°♄54'10		morning set	1163 May 15 j 15:11	21°♄45'10	
				asc. node	1163 May 18 j 01:56	26°♄57'44	
superior conj	1162 Jun 07 j 04:10	21°♄59'41	1°07'42		1163 May 19 j 11:34	0°♄	
minimum elong	1162 Jun 07 j 01:48	21°♄46'45	1°07'19				
max. Earth dist.	1162 Jun 08 j 07:49	24°♄30'28	1.32712 AU	superior conj	1163 May 22 j 15:49	6°♄57'58	0°46'46
	1162 Jun 10 j 20:51	0°♄		minimum elong	1163 May 22 j 13:56	6°♄47'36	0°46'23
evening rise	1162 Jun 14 j 07:21	7°♄13'15		max. Earth dist.	1163 May 22 j 19:30	7°♄18'12	1.32305 AU
	1162 Jun 26 j 11:16	0°♄		evening rise	1163 May 29 j 14:04	21°♄57'03	
desc. node	1162 Jul 09 j 01:19	18°♄32'40			1163 Jun 02 j 12:51	0°♄	
evening max el	1162 Jul 16 j 11:42	26°♄48'15	27°19'41		1163 Jun 20 j 18:07	0°♄	
	1162 Jul 20 j 05:33	0°♄		desc. node	1163 Jun 25 j 22:20	6°♄10'44	
retrograde	1162 Jul 30 j 06:54	4°♄04'50		evening max el	1163 Jun 28 j 14:39	8°♄54'09	26°42'57
evening set	1162 Aug 06 j 11:30	1°♄37'35		retrograde	1163 Jul 12 j 13:54	16°♄08'26	
	1162 Aug 08 j 15:11	30°♄♄		evening set	1163 Jul 19 j 08:59	14°♄09'25	
min. Earth dist.	1162 Aug 10 j 01:29	28°♄45'36	0.62317 AU	min. Earth dist.	1163 Jul 23 j 04:19	11°♄31'55	0.60310 AU
inferior conj	1162 Aug 13 j 00:27	25°♄59'53	-4°02'08	inferior conj	1163 Jul 26 j 11:17	8°♄50'23	-4°38'50
minimum elong	1162 Aug 13 j 05:31	25°♄48'00	4°00'57	minimum elong	1163 Jul 26 j 14:57	8°♄42'51	4°38'22
morning rise	1162 Aug 20 j 00:58	20°♄56'14		morning rise	1163 Aug 02 j 22:51	4°♄08'42	
direct	1162 Aug 22 j 12:05	20°♄29'18		direct	1163 Aug 05 j 09:35	3°♄46'06	
asc. node	1162 Aug 27 j 04:07	22°♄08'36		morning max el	1163 Aug 12 j 19:00	7°♄22'50	18°09'49
morning max el	1162 Aug 29 j 07:01	23°♄56'03	17°53'24	asc. node	1163 Aug 14 j 01:09	8°♄40'57	
	1162 Sep 03 j 03:54	0°♄			1163 Aug 27 j 07:25	0°♄	
morning set	1162 Sep 14 j 08:45	19°♄03'38		morning set	1163 Aug 28 j 16:16	2°♄34'04	
	1162 Sep 20 j 12:00	0°♄					
				superior conj	1163 Sep 07 j 07:14	20°♄23'53	1°27'54
superior conj	1162 Sep 25 j 09:38	8°♄29'43	1°02'04	minimum elong	1163 Sep 07 j 11:09	20°♄41'28	1°27'32
minimum elong	1162 Sep 25 j 14:22	8°♄49'54	1°01'29		1163 Sep 12 j 18:12	0°♄	
max. Earth dist.	1162 Oct 02 j 13:35	20°♄26'07	1.43093 AU	max. Earth dist.	1163 Sep 14 j 22:16	3°♄41'51	1.41317 AU
desc. node	1162 Oct 05 j 00:40	24°♄24'57		evening rise	1163 Sep 20 j 02:14	12°♄14'25	
	1162 Oct 08 j 13:00	0°♄		desc. node	1163 Sep 21 j 21:42	15°♄09'11	

	1163 Oct 01 j 12:37	0°♄				1164 Sep 24 j 09:38	0°♄	
evening max el	1163 Oct 23 j 20:40	29°♄26'08	22°53'17		evening max el	1164 Oct 05 j 09:40	13°♄00'53	24°13'18
	1163 Oct 24 j 10:19	0°♄			retrograde	1164 Oct 16 j 13:08	19°♄33'02	
retrograde	1163 Nov 02 j 21:55	5°♄24'20			evening set	1164 Oct 21 j 21:12	17°♄19'05	
evening set	1163 Nov 07 j 16:06	3°♄27'32			min. Earth dist.	1164 Oct 26 j 14:55	11°♄51'15	0.67561 AU
asc. node	1163 Nov 10 j 00:24	1°♄03'55			asc. node	1164 Oct 26 j 21:26	11°♄29'17	
	1163 Nov 10 j 21:03	30°♄			inferior conj	1164 Oct 27 j 07:17	10°♄56'04	0°08'29
inferior conj	1163 Nov 13 j 00:41	27°♄05'54	1°01'18		minimum elong	1164 Oct 27 j 07:04	10°♄56'47	0°08'25
minimum elong	1163 Nov 12 j 23:19	27°♄10'40	1°00'44		transit middle	1164 Oct 27 j 07:04	10°♄56'47	0°08'25
min. Earth dist.	1163 Nov 12 j 18:44	27°♄26'27	0.67758 AU		transit begin	1164 Oct 27 j 04:44	11°♄04'40	
morning rise	1163 Nov 18 j 06:26	20°♄55'56			transit end	1164 Oct 27 j 09:25	10°♄48'54	
direct	1163 Nov 22 j 16:16	19°♄09'30			morning rise	1164 Nov 01 j 16:57	4°♄51'12	
morning max el	1163 Dec 01 j 15:28	24°♄25'26	21°43'28		direct	1164 Nov 05 j 13:26	3°♄26'25	
	1163 Dec 06 j 13:25	0°♄			morning max el	1164 Nov 13 j 11:47	8°♄00'55	20°27'04
desc. node	1163 Dec 18 j 20:58	16°♄53'07				1164 Nov 29 j 23:48	0°♄	
	1163 Dec 27 j 14:37	0°♄			desc. node	1164 Dec 04 j 17:58	7°♄08'09	
morning set	1164 Jan 02 j 17:48	9°♄36'12			morning set	1164 Dec 11 j 16:58	17°♄47'56	
max. Earth dist.	1164 Jan 09 j 03:54	20°♄02'29	1.41641 AU			1164 Dec 19 j 11:12	0°♄	
	1164 Jan 15 j 01:04	0°♄			max. Earth dist.	1164 Dec 21 j 10:39	3°♄10'08	1.43395 AU
superior conj	1164 Jan 16 j 18:57	3°♄02'03	-2°03'37		superior conj	1164 Dec 27 j 16:12	13°♄21'12	-1°57'39
minimum elong	1164 Jan 16 j 19:30	3°♄04'27	2°03'38		minimum elong	1164 Dec 27 j 11:45	13°♄02'44	1°57'26
evening rise	1164 Jan 27 j 13:41	22°♄29'16				1165 Jan 06 j 10:57	0°♄	
	1164 Jan 31 j 16:14	0°♄			evening rise	1165 Jan 09 j 02:10	4°♄36'01	
asc. node	1164 Feb 05 j 23:43	9°♄11'51			asc. node	1165 Jan 22 j 20:44	27°♄24'15	
evening max el	1164 Feb 12 j 23:40	18°♄34'39	18°11'20			1165 Jan 24 j 21:25	0°♄	
retrograde	1164 Feb 19 j 20:41	22°♄02'35			evening max el	1165 Jan 26 j 11:42	1°♄44'29	18°08'44
evening set	1164 Feb 22 j 11:03	21°♄33'35			retrograde	1165 Feb 01 j 23:42	5°♄08'49	
inferior conj	1164 Feb 29 j 07:24	16°♄44'34	3°28'31		evening set	1165 Feb 04 j 19:04	4°♄29'46	
minimum elong	1164 Feb 29 j 09:56	16°♄38'48	3°28'11			1165 Feb 10 j 11:03	30°♄	
min. Earth dist.	1164 Mar 03 j 15:15	13°♄44'32	0.60259 AU		inferior conj	1165 Feb 11 j 02:34	29°♄20'03	3°45'34
morning rise	1164 Mar 07 j 06:45	10°♄59'53			minimum elong	1165 Feb 11 j 03:01	29°♄18'55	3°45'34
direct	1164 Mar 13 j 21:53	8°♄54'58			min. Earth dist.	1165 Feb 13 j 23:01	26°♄23'43	0.62346 AU
desc. node	1164 Mar 15 j 20:07	9°♄05'05			morning rise	1165 Feb 17 j 09:47	23°♄22'03	
morning max el	1164 Mar 28 j 04:31	16°♄44'49	27°31'54		direct	1165 Feb 24 j 08:48	20°♄47'51	
	1164 Apr 08 j 02:52	0°♄			desc. node	1165 Mar 02 j 17:09	22°♄38'37	
	1164 Apr 25 j 18:27	0°♄			morning max el	1165 Mar 10 j 09:18	28°♄41'49	27°48'42
morning set	1164 Apr 28 j 22:42	6°♄26'23				1165 Mar 11 j 15:54	0°♄	
asc. node	1164 May 03 j 22:58	17°♄06'44				1165 Apr 01 j 22:38	0°♄	
max. Earth dist.	1164 May 05 j 07:38	20°♄05'02	1.32275 AU		morning set	1165 Apr 13 j 01:07	20°♄49'28	
						1165 Apr 17 j 10:53	0°♄	
superior conj	1164 May 06 j 03:19	21°♄52'52	0°22'55		max. Earth dist.	1165 Apr 18 j 16:32	2°♄38'36	1.32633 AU
minimum elong	1164 May 06 j 02:18	21°♄47'17	0°22'41					
	1164 May 09 j 20:13	0°♄			superior conj	1165 Apr 20 j 12:57	6°♄38'31	-0°03'08
evening rise	1164 May 13 j 00:17	6°♄48'55			minimum elong	1165 Apr 20 j 13:05	6°♄39'19	0°03'06
	1164 May 25 j 04:08	0°♄			behind sun begin	1165 Apr 20 j 08:00	6°♄11'44	
evening max el	1164 Jun 09 j 10:44	20°♄14'21	25°35'34		behind sun end	1165 Apr 20 j 18:10	7°♄06'55	
desc. node	1164 Jun 11 j 19:21	22°♄20'18			asc. node	1165 Apr 20 j 20:02	7°♄17'01	
retrograde	1164 Jun 23 j 11:35	27°♄24'07			evening rise	1165 Apr 27 j 12:02	21°♄42'08	
evening set	1164 Jun 29 j 08:01	26°♄03'20				1165 May 01 j 12:41	0°♄	
min. Earth dist.	1164 Jul 03 j 22:59	23°♄22'16	0.58259 AU			1165 May 21 j 02:09	0°♄	
inferior conj	1164 Jul 07 j 04:12	21°♄05'13	-4°52'56		evening max el	1165 May 22 j 01:38	0°♄58'14	24°06'44
minimum elong	1164 Jul 07 j 04:06	21°♄05'25	4°52'56		desc. node	1165 May 29 j 16:22	6°♄27'56	
morning rise	1164 Jul 15 j 02:38	16°♄45'53			retrograde	1165 Jun 04 j 21:22	7°♄55'25	
direct	1164 Jul 17 j 15:11	16°♄25'51			evening set	1165 Jun 09 j 08:25	7°♄11'19	
morning max el	1164 Jul 26 j 00:21	20°♄23'38	18°46'35		min. Earth dist.	1165 Jun 15 j 12:36	4°♄10'49	0.56467 AU
asc. node	1164 Jul 30 j 22:12	26°♄15'15			inferior conj	1165 Jun 18 j 01:02	2°♄37'04	-4°31'02
	1164 Aug 02 j 09:11	0°♄			minimum elong	1165 Jun 17 j 19:50	2°♄45'12	4°30'18
morning set	1164 Aug 11 j 10:53	16°♄37'13				1165 Jun 22 j 14:45	30°♄	
	1164 Aug 18 j 07:41	0°♄			morning rise	1165 Jun 26 j 09:57	28°♄36'32	
					direct	1165 Jun 29 j 02:03	28°♄17'47	
superior conj	1164 Aug 20 j 01:29	3°♄19'26	1°42'01			1165 Jul 05 j 02:12	0°♄	
minimum elong	1164 Aug 20 j 03:28	3°♄28'47	1°41'55		morning max el	1165 Jul 08 j 20:13	2°♄49'22	19°44'38
max. Earth dist.	1164 Aug 27 j 02:22	16°♄14'06	1.39307 AU		asc. node	1165 Jul 17 j 19:15	14°♄37'52	
evening rise	1164 Aug 31 j 02:16	23°♄10'38				1165 Jul 26 j 00:25	0°♄	
	1164 Sep 04 j 04:25	0°♄			morning set	1165 Jul 26 j 13:17	1°♄04'39	
desc. node	1164 Sep 07 j 18:41	5°♄46'40						

superior conj	1165 Aug 03 j 11:03	17°01'48	1°46'20	superior conj	1166 Jul 18 j 07:22	1°01'50	1°42'49
minimum elong	1165 Aug 03 j 11:07	17°02'09	1°46'20	minimum elong	1166 Jul 18 j 06:01	1°09'53	1°42'45
max. Earth dist.	1165 Aug 09 j 06:38	28°01'542	1.37313 AU	max. Earth dist.	1166 Jul 22 j 16:12	10°07'03	1.35542 AU
	1165 Aug 10 j 05:01	0°		evening rise	1166 Jul 26 j 21:05	18°01'427	
evening rise	1165 Aug 13 j 02:00	5°14'35			1166 Aug 02 j 09:21	0°	
desc. node	1165 Aug 25 j 15:41	26°13'21		desc. node	1166 Aug 12 j 12:43	16°22'41	
	1165 Aug 28 j 03:03	0°			1166 Aug 22 j 07:36	0°	
evening max el	1165 Sep 17 j 21:36	26°39'45	25°27'57	evening max el	1166 Aug 31 j 09:32	10°17'10	26°29'47
	1165 Sep 21 j 16:19	0°		retrograde	1166 Sep 13 j 05:40	17°29'40	
retrograde	1165 Sep 29 j 23:55	3°36'56		evening set	1166 Sep 19 j 18:02	14°48'39	
evening set	1165 Oct 05 j 22:31	1°07'21		min. Earth dist.	1166 Sep 23 j 20:18	10°32'43	0.66176 AU
	1165 Oct 07 j 03:18	30°		inferior conj	1166 Sep 25 j 11:09	8°35'17	-1°44'45
min. Earth dist.	1165 Oct 10 j 08:14	26°14'41	0.67042 AU	minimum elong	1166 Sep 25 j 13:54	8°26'59	1°43'39
inferior conj	1165 Oct 11 j 11:25	24°47'06	-0°47'22	asc. node	1166 Sep 30 j 15:30	3°18'28	
minimum elong	1165 Oct 11 j 12:37	24°43'12	0°46'51	morning rise	1166 Oct 01 j 10:14	2°49'09	
asc. node	1165 Oct 13 j 18:28	21°56'20		direct	1166 Oct 04 j 09:53	1°58'52	
morning rise	1165 Oct 17 j 02:55	18°50'08		morning max el	1166 Oct 11 j 02:38	5°40'24	18°36'40
direct	1165 Oct 20 j 11:56	17°44'19			1166 Oct 28 j 00:21	0°	
morning max el	1165 Oct 27 j 15:56	21°47'09	19°24'05	morning set	1166 Oct 31 j 14:42	5°44'28	
	1165 Nov 03 j 08:07	0°		desc. node	1166 Nov 08 j 12:01	18°16'10	
greatest brilliancy	1165 Nov 11 j 00:15	11°16'02	-0.7m		1166 Nov 15 j 22:49	0°	
morning set	1165 Nov 20 j 16:36	26°10'30					
desc. node	1165 Nov 21 j 14:59	27°37'22		superior conj	1166 Nov 16 j 13:21	0°57'07	-0°51'47
	1165 Nov 23 j 03:42	0°		minimum elong	1166 Nov 16 j 06:48	0°31'21	0°50'58
max. Earth dist.	1165 Dec 04 j 00:46	17°02'26	1.44594 AU	max. Earth dist.	1166 Nov 16 j 18:57	1°19'05	1.45091 AU
				evening rise	1166 Dec 02 j 10:51	26°03'08	
superior conj	1165 Dec 07 j 11:13	22°29'49	-1°33'15		1166 Dec 04 j 22:19	0°	
minimum elong	1165 Dec 07 j 02:45	21°56'06	1°32'27	greatest brilliancy	1166 Dec 10 j 21:08	9°27'45	-0.8m
	1165 Dec 12 j 03:18	0°		evening max el	1166 Dec 24 j 10:24	28°31'17	18°58'59
evening rise	1165 Dec 21 j 18:11	15°48'28			1166 Dec 26 j 00:03	0°	
	1165 Dec 30 j 07:23	0°		asc. node	1166 Dec 27 j 14:48	1°12'09	
asc. node	1166 Jan 09 j 17:46	14°48'48		retrograde	1166 Dec 31 j 07:08	2°24'52	
evening max el	1166 Jan 10 j 00:07	15°05'09	18°24'57	evening set	1167 Jan 03 j 13:34	1°23'04	
retrograde	1166 Jan 16 j 12:29	18°38'41			1167 Jan 05 j 08:13	30°	
evening set	1166 Jan 19 j 12:56	17°48'46		inferior conj	1167 Jan 09 j 05:09	25°37'10	3°23'17
inferior conj	1166 Jan 25 j 11:03	12°19'47	3°41'58	minimum elong	1167 Jan 09 j 02:51	25°44'24	3°22'51
minimum elong	1166 Jan 25 j 09:46	12°23'28	3°41'51	min. Earth dist.	1167 Jan 10 j 19:05	23°38'28	0.65641 AU
min. Earth dist.	1166 Jan 27 j 16:18	9°46'35	0.64177 AU	morning rise	1167 Jan 14 j 15:50	19°26'35	
morning rise	1166 Jan 31 j 06:02	6°13'52		direct	1167 Jan 21 j 04:34	16°35'46	
direct	1166 Feb 07 j 03:21	3°24'15		morning max el	1167 Feb 03 j 03:55	24°13'37	26°38'39
desc. node	1166 Feb 17 j 14:11	8°19'58		desc. node	1167 Feb 04 j 11:14	25°34'31	
morning max el	1166 Feb 20 j 18:00	11°15'13	27°29'12		1167 Feb 08 j 08:59	0°	
	1166 Mar 07 j 14:48	0°			1167 Mar 01 j 00:11	0°	
	1166 Mar 25 j 08:52	0°		morning set	1167 Mar 11 j 03:23	18°04'59	
morning set	1166 Mar 27 j 19:48	4°45'48		max. Earth dist.	1167 Mar 15 j 09:22	26°20'27	1.34634 AU
max. Earth dist.	1166 Apr 01 j 18:16	14°46'15	1.33411 AU		1167 Mar 17 j 05:08	0°	
superior conj	1166 Apr 04 j 18:51	21°08'22	-0°30'25	superior conj	1167 Mar 19 j 18:52	5°15'51	-0°57'49
minimum elong	1166 Apr 04 j 20:21	21°16'21	0°30'06	minimum elong	1167 Mar 19 j 21:42	5°30'35	0°57'17
asc. node	1166 Apr 07 j 17:03	27°23'52		asc. node	1167 Mar 25 j 14:07	17°23'35	
	1166 Apr 08 j 22:10	0°		evening rise	1167 Mar 27 j 08:44	21°05'33	
evening rise	1166 Apr 11 j 23:29	6°29'48			1167 Mar 31 j 18:44	0°	
	1166 Apr 24 j 14:18	0°		evening max el	1167 Apr 15 j 15:54	22°19'56	21°02'05
evening max el	1166 May 03 j 16:55	11°29'39	22°30'50	retrograde	1167 Apr 27 j 08:17	28°00'54	
retrograde	1166 May 16 j 18:36	17°57'52		evening set	1167 Apr 29 j 13:35	27°49'19	
desc. node	1166 May 16 j 13:24	17°57'45		desc. node	1167 May 03 j 10:25	26°39'30	
evening set	1166 May 19 j 20:07	17°37'12		inferior conj	1167 May 08 j 21:43	23°50'47	-1°34'29
min. Earth dist.	1166 May 28 j 00:25	14°04'33	0.55273 AU	minimum elong	1167 May 08 j 17:17	23°57'05	1°32'53
inferior conj	1166 May 29 j 03:41	13°25'52	-3°22'39	min. Earth dist.	1167 May 09 j 13:02	23°29'06	0.54952 AU
minimum elong	1166 May 28 j 20:02	13°36'44	3°20'34	morning rise	1167 May 17 j 20:55	19°47'31	
morning rise	1166 Jun 06 j 22:04	9°33'28		direct	1167 May 21 j 05:07	19°23'24	
direct	1166 Jun 09 j 19:27	9°14'21		morning max el	1167 Jun 03 j 03:06	25°33'40	22°38'02
morning max el	1166 Jun 21 j 04:50	14°32'08	21°03'15		1167 Jun 07 j 06:48	0°	
	1166 Jun 02 j 15:58	0°		asc. node	1167 Jun 21 j 13:21	23°02'00	
asc. node	1166 Jul 04 j 16:17	3°36'25			1167 Jun 24 j 23:30	0°	
morning set	1166 Jul 10 j 20:47	15°47'54		morning set	1167 Jun 25 j 07:20	0°40'56	
	1166 Jul 17 j 16:29	0°					

superior conj	1167 Jul 02 j 11:01	15°♄54'11	1°33'01			1168 May 31 j 21:08	0°♄	
minimum elong	1167 Jul 02 j 08:51	15°♄42'38	1°32'48	asc. node		1168 Jun 07 j 10:26	12°♄47'03	
max. Earth dist.	1167 Jul 05 j 10:29	22°♄09'37	1.34129 AU	morning set		1168 Jun 08 j 19:10	15°♄38'08	
	1167 Jul 09 j 07:01	0°♄				1168 Jun 15 j 11:02	0°♄	
evening rise	1167 Jul 10 j 06:51	1°♄57'41						
	1167 Jul 26 j 07:11	0°♄		superior conj		1168 Jun 15 j 19:23	0°♄45'17	1°18'11
desc. node	1167 Jul 30 j 09:44	6°♄06'47		minimum elong		1168 Jun 15 j 16:57	0°♄32'02	1°17'50
evening max el	1167 Aug 13 j 21:28	23°♄44'53	27°11'19	max. Earth dist.		1168 Jun 17 j 13:44	4°♄33'50	1.33114 AU
	1167 Aug 22 j 13:49	0°♄		evening rise		1168 Jun 23 j 03:14	16°♄12'34	
retrograde	1167 Aug 27 j 06:09	1°♄03'44				1168 Jun 30 j 07:10	0°♄	
	1167 Aug 31 j 14:51	30°♄		desc. node		1168 Jul 16 j 06:46	25°♄15'06	
evening set	1167 Sep 03 j 05:22	28°♄19'00				1168 Jul 20 j 00:16	0°♄	
min. Earth dist.	1167 Sep 07 j 00:52	24°♄39'29	0.64946 AU	evening max el		1168 Jul 26 j 08:02	6°♄51'38	27°25'48
inferior conj	1167 Sep 09 j 04:20	22°♄16'29	-2°41'36	retrograde		1168 Aug 09 j 00:37	14°♄10'09	
minimum elong	1167 Sep 09 j 08:30	22°♄04'55	2°40'08	evening set		1168 Aug 16 j 05:22	11°♄32'56	
morning rise	1167 Sep 15 j 12:28	16°♄44'17		min. Earth dist.		1168 Aug 19 j 20:10	8°♄25'48	0.63363 AU
asc. node	1167 Sep 17 j 12:34	16°♄08'17		inferior conj		1168 Aug 22 j 12:21	5°♄45'03	-3°34'54
direct	1167 Sep 18 j 05:09	16°♄05'44		minimum elong		1168 Aug 22 j 17:24	5°♄32'22	3°33'28
morning max el	1167 Sep 24 j 17:27	19°♄35'18	18°05'53	morning rise		1168 Aug 29 j 06:39	0°♄29'53	
	1167 Oct 02 j 12:49	0°♄		direct		1168 Aug 31 j 18:57	29°♄59'37	
morning set	1167 Oct 12 j 17:51	16°♄44'29				1168 Aug 31 j 12:12	30°♄	
	1167 Oct 20 j 18:50	0°♄				1168 Sep 01 j 01:41	0°♄	
desc. node	1167 Oct 26 j 09:03	9°♄00'52		asc. node		1168 Sep 03 j 09:37	0°♄32'56	
				morning max el		1168 Sep 07 j 09:31	3°♄25'21	17°52'38
superior conj	1167 Oct 26 j 19:24	9°♄42'10	-0°02'54	morning set		1168 Sep 23 j 22:13	28°♄57'37	
minimum elong	1167 Oct 26 j 19:02	9°♄40'44	0°02'51			1168 Sep 24 j 12:30	0°♄	
behind sun begin	1167 Oct 26 j 08:26	8°♄58'25						
behind sun end	1167 Oct 27 j 05:39	10°♄23'00		superior conj		1168 Oct 05 j 23:24	19°♄34'01	0°41'28
max. Earth dist.	1167 Oct 30 j 13:43	15°♄40'19	1.44850 AU	minimum elong		1168 Oct 06 j 03:23	19°♄50'32	0°40'56
	1167 Nov 08 j 17:35	0°♄		desc. node		1168 Oct 12 j 06:05	29°♄48'25	
evening rise	1167 Nov 12 j 05:55	5°♄26'55				1168 Oct 12 j 08:58	0°♄	
greatest brilliancy	1167 Nov 25 j 14:21	25°♄52'19	-0.7m	max. Earth dist.		1168 Oct 12 j 06:20	29°♄49'25	1.43910 AU
	1167 Nov 28 j 09:37	0°♄		evening rise		1168 Oct 21 j 13:57	14°♄28'14	
evening max el	1167 Dec 07 j 16:35	11°♄59'41	19°49'17			1168 Oct 31 j 19:40	0°♄	
asc. node	1167 Dec 14 j 11:51	16°♄19'12		evening max el		1168 Nov 19 j 17:29	25°♄29'42	20°53'21
retrograde	1167 Dec 15 j 04:29	16°♄21'53				1168 Nov 25 j 19:12	0°♄	
evening set	1167 Dec 18 j 18:28	15°♄06'48		retrograde		1168 Nov 28 j 02:12	0°♄26'48	
inferior conj	1167 Dec 24 j 05:53	9°♄06'46	2°53'22	asc. node		1168 Nov 30 j 08:53	29°♄57'38	
minimum elong	1167 Dec 24 j 03:11	9°♄15'42	2°52'39			1168 Nov 30 j 06:39	30°♄	
min. Earth dist.	1167 Dec 25 j 05:48	7°♄47'26	0.66716 AU	evening set		1168 Dec 02 j 01:39	28°♄56'39	
morning rise	1167 Dec 29 j 11:40	2°♄53'49		inferior conj		1168 Dec 07 j 10:46	22°♄45'37	2°14'54
direct	1168 Jan 04 j 11:45	0°♄13'29		minimum elong		1168 Dec 07 j 08:14	22°♄54'16	2°14'03
morning max el	1168 Jan 16 j 12:56	7°♄24'04	25°25'27	min. Earth dist.		1168 Dec 07 j 22:12	22°♄06'24	0.67410 AU
desc. node	1168 Jan 22 j 08:17	13°♄54'53		morning rise		1168 Dec 12 j 14:38	16°♄32'20	
	1168 Feb 03 j 04:26	0°♄		direct		1168 Dec 18 j 00:02	14°♄10'22	
	1168 Feb 21 j 11:54	0°♄		morning max el		1168 Dec 28 j 21:15	20°♄39'53	23°59'48
morning set	1168 Feb 21 j 19:04	0°♄32'24				1169 Jan 05 j 21:41	0°♄	
max. Earth dist.	1168 Feb 25 j 12:30	7°♄25'32	1.36303 AU	desc. node		1169 Jan 08 j 05:20	3°♄02'22	
						1169 Jan 26 j 10:01	0°♄	
superior conj	1168 Mar 02 j 10:09	18°♄52'17	-1°23'39	morning set		1169 Feb 02 j 12:56	11°♄51'53	
minimum elong	1168 Mar 02 j 14:02	19°♄11'34	1°23'05	max. Earth dist.		1169 Feb 06 j 07:55	18°♄30'21	1.38329 AU
	1168 Mar 07 j 22:17	0°♄				1169 Feb 12 j 14:15	0°♄	
evening rise	1168 Mar 10 j 13:34	5°♄21'51						
asc. node	1168 Mar 11 j 11:10	7°♄10'47		superior conj		1169 Feb 13 j 13:14	1°♄48'46	-1°45'33
	1168 Mar 24 j 17:23	0°♄		minimum elong		1169 Feb 13 j 17:15	2°♄07'55	1°45'10
evening max el	1168 Mar 28 j 02:20	3°♄46'42	19°49'07	evening rise		1169 Feb 22 j 11:34	19°♄12'12	
retrograde	1168 Apr 07 j 01:13	8°♄34'16		asc. node		1169 Feb 26 j 08:12	26°♄40'26	
evening set	1168 Apr 09 j 02:33	8°♄22'54				1169 Feb 28 j 03:01	0°♄	
inferior conj	1168 Apr 17 j 21:30	4°♄21'34	0°24'22	evening max el		1169 Mar 10 j 23:38	15°♄51'47	18°55'20
minimum elong	1168 Apr 17 j 22:34	4°♄19'55	0°23'59	retrograde		1169 Mar 19 j 08:56	19°♄55'34	
desc. node	1168 Apr 19 j 07:28	3°♄29'01		evening set		1169 Mar 21 j 14:42	19°♄39'23	
min. Earth dist.	1168 Apr 20 j 03:10	2°♄58'55	0.55593 AU	inferior conj		1169 Mar 29 j 14:28	15°♄22'41	2°02'29
	1168 Apr 26 j 03:42	30°♄		minimum elong		1169 Mar 29 j 18:28	15°♄15'33	2°01'19
morning rise	1168 Apr 26 j 16:12	29°♄49'56		min. Earth dist.		1169 Apr 01 j 19:13	13°♄06'52	0.57059 AU
direct	1168 Apr 30 j 21:07	29°♄10'44		desc. node		1169 Apr 06 j 04:31	10°♄33'33	
	1168 May 05 j 13:04	0°♄		morning rise		1169 Apr 06 j 19:10	10°♄17'35	
morning max el	1168 May 14 j 18:45	6°♄06'49	24°19'40	direct		1169 Apr 12 j 02:20	9°♄10'22	

morning max el	1169 Apr 26 j 09:33	16° $\Upsilon$ 36'27	25°53'58	direct	1170 Mar 24 j 20:35	19° $\text{H}$ 47'51	
	1169 May 07 j 07:51	0° $\text{B}$		morning max el	1170 Apr 08 j 04:56	27° $\text{H}$ 30'57	27°05'42
morning set	1169 May 24 j 06:39	0° $\Pi$ 33'44			1170 Apr 10 j 14:28	0° $\Upsilon$	
	1169 May 24 j 00:14	0° $\Pi$			1170 Apr 30 j 20:45	0° $\text{B}$	
asc. node	1169 May 25 j 07:28	2° $\Pi$ 45'18		morning set	1170 May 08 j 16:09	15° $\text{B}$ 22'28	
				asc. node	1170 May 12 j 04:30	22° $\text{B}$ 51'58	
					1170 May 15 j 10:47	0° $\Pi$	
superior conj	1169 May 31 j 06:20	15° $\Pi$ 42'38	0°59'14	superior conj	1170 May 15 j 18:07	0° $\Pi$ 40'20	0°36'58
minimum elong	1169 May 31 j 04:07	15° $\Pi$ 30'29	0°58'50	minimum elong	1170 May 15 j 16:34	0° $\Pi$ 31'45	0°36'39
max. Earth dist.	1169 May 31 j 23:24	17° $\Pi$ 16'06	1.32491 AU	max. Earth dist.	1170 May 15 j 11:56	0° $\Pi$ 06'20	1.32245 AU
	1169 Jun 06 j 21:37	0° $\text{B}$		evening rise	1170 May 22 j 15:25	15° $\Pi$ 37'06	
evening rise	1169 Jun 07 j 06:56	0° $\text{B}$ 48'28			1170 May 29 j 20:32	0° $\text{B}$	
	1169 Jun 23 j 07:46	0° $\Omega$			1170 Jun 19 j 10:03	0° $\Omega$	
desc. node	1169 Jul 03 j 03:47	13° $\Omega$ 32'11		desc. node	1170 Jun 20 j 00:48	0° $\Omega$ 36'48	
evening max el	1169 Jul 08 j 14:43	19° $\Omega$ 23'46	27°08'16	evening max el	1170 Jun 20 j 14:58	1° $\Omega$ 11'03	26°17'45
retrograde	1169 Jul 22 j 11:58	26° $\Omega$ 38'57		retrograde	1170 Jul 04 j 14:52	8° $\Omega$ 23'04	
evening set	1169 Jul 29 j 13:51	24° $\Omega$ 22'32		evening set	1170 Jul 11 j 02:13	6° $\Omega$ 39'35	
min. Earth dist.	1169 Aug 02 j 04:59	21° $\Omega$ 38'24	0.61483 AU	min. Earth dist.	1170 Jul 15 j 03:49	4° $\Omega$ 03'04	0.59433 AU
inferior conj	1169 Aug 05 j 07:58	18° $\Omega$ 52'29	-4°19'46	inferior conj	1170 Jul 18 j 11:37	1° $\Omega$ 29'33	-4°48'19
minimum elong	1169 Aug 05 j 12:41	18° $\Omega$ 41'58	4°18'52	minimum elong	1170 Jul 18 j 13:58	1° $\Omega$ 25'00	4°48'09
morning rise	1169 Aug 12 j 13:07	13° $\Omega$ 57'34			1170 Jul 20 j 11:07	30° $\text{R}$ $\text{B}$	
direct	1169 Aug 14 j 23:47	13° $\Omega$ 32'41		morning rise	1170 Jul 26 j 03:48	26° $\text{B}$ 57'22	
asc. node	1169 Aug 21 j 06:41	16° $\Omega$ 22'49		direct	1170 Jul 28 j 15:16	26° $\text{B}$ 35'53	
morning max el	1169 Aug 21 j 23:49	17° $\Omega$ 02'42	17°57'53		1170 Aug 05 j 00:52	0° $\Omega$	
	1169 Aug 31 j 04:00	0° $\text{M}$		morning max el	1170 Aug 05 j 09:19	0° $\Omega$ 19'44	18°22'52
morning set	1169 Sep 06 j 21:25	12° $\text{M}$ 04'33		asc. node	1170 Aug 08 j 03:43	3° $\Omega$ 23'34	
	1169 Sep 16 j 20:09	0° $\underline{\Omega}$		morning set	1170 Aug 21 j 10:11	25° $\Omega$ 50'50	
					1170 Aug 23 j 14:16	0° $\text{M}$	
superior conj	1169 Sep 17 j 06:34	0° $\underline{\Omega}$ 45'31	1°14'33	superior conj	1170 Aug 30 j 13:42	13° $\text{M}$ 08'16	1°35'12
minimum elong	1169 Sep 17 j 11:12	1° $\underline{\Omega}$ 05'42	1°14'02	minimum elong	1170 Aug 30 j 16:51	13° $\text{M}$ 22'42	1°34'58
max. Earth dist.	1169 Sep 24 j 18:38	13° $\underline{\Omega}$ 29'50	1.42391 AU	max. Earth dist.	1170 Sep 07 j 01:40	26° $\text{M}$ 29'34	1.40485 AU
desc. node	1169 Sep 29 j 03:06	20° $\underline{\Omega}$ 34'48			1170 Sep 09 j 03:01	0° $\underline{\Omega}$	
evening rise	1169 Oct 01 j 03:58	23° $\underline{\Omega}$ 49'21		evening rise	1170 Sep 11 j 13:57	4° $\underline{\Omega}$ 06'17	
	1169 Oct 05 j 02:49	0° $\text{M}$		desc. node	1170 Sep 16 j 00:06	11° $\underline{\Omega}$ 16'48	
	1169 Oct 25 j 21:40	0° $\text{J}$			1170 Sep 28 j 09:00	0° $\text{M}$	
evening max el	1169 Nov 02 j 12:47	9° $\text{J}$ 00'32	22°07'43	evening max el	1170 Oct 16 j 03:27	22° $\text{M}$ 33'16	23°27'22
retrograde	1169 Nov 11 j 22:24	14° $\text{J}$ 35'57		retrograde	1170 Oct 26 j 15:47	28° $\text{M}$ 46'15	
evening set	1169 Nov 16 j 09:20	12° $\text{J}$ 49'05		evening set	1170 Oct 31 j 15:52	26° $\text{M}$ 41'51	
asc. node	1169 Nov 17 j 05:55	12° $\text{J}$ 03'28		asc. node	1170 Nov 04 j 02:57	22° $\text{M}$ 54'06	
inferior conj	1169 Nov 21 j 17:43	6° $\text{J}$ 30'23	1°29'44	min. Earth dist.	1170 Nov 05 j 14:30	20° $\text{M}$ 54'58	0.67724 AU
minimum elong	1169 Nov 21 j 15:49	6° $\text{J}$ 37'00	1°29'00	inferior conj	1170 Nov 06 j 00:57	20° $\text{M}$ 19'11	0°39'21
min. Earth dist.	1169 Nov 21 j 17:53	6° $\text{J}$ 29'50	0.67737 AU	minimum elong	1170 Nov 06 j 00:02	20° $\text{M}$ 22'19	0°38'58
morning rise	1169 Nov 26 j 22:09	0° $\text{J}$ 18'47		morning rise	1170 Nov 11 j 08:09	14° $\text{M}$ 11'21	
	1169 Nov 27 j 07:22	30° $\text{R}$ $\text{M}$		direct	1170 Nov 15 j 12:06	12° $\text{M}$ 34'30	
direct	1169 Dec 01 j 16:27	28° $\text{M}$ 19'08		morning max el	1170 Nov 23 j 23:56	17° $\text{M}$ 31'17	21°09'30
	1169 Dec 06 j 13:12	0° $\text{J}$			1170 Dec 04 j 02:16	0° $\text{J}$	
morning max el	1169 Dec 11 j 07:43	4° $\text{J}$ 01'01	22°31'48	desc. node	1170 Dec 12 j 23:23	12° $\text{J}$ 47'47	
desc. node	1169 Dec 26 j 02:22	22° $\text{J}$ 43'10			1170 Dec 24 j 05:48	0° $\text{B}$	
	1169 Dec 31 j 02:39	0° $\text{B}$		morning set	1170 Dec 24 j 13:14	0° $\text{B}$ 29'09	
morning set	1170 Jan 14 j 03:06	21° $\text{B}$ 49'28		max. Earth dist.	1171 Jan 01 j 07:00	12° $\text{B}$ 52'57	1.42447 AU
max. Earth dist.	1170 Jan 19 j 04:13	0° $\approx$ 13'57	1.40475 AU				
	1170 Jan 19 j 00:56	0° $\approx$		superior conj	1171 Jan 08 j 11:37	24° $\text{B}$ 54'34	-2°03'09
superior conj	1170 Jan 26 j 23:31	13° $\approx$ 54'01	-2°00'11	minimum elong	1171 Jan 08 j 10:13	24° $\text{B}$ 48'34	2°03'08
minimum elong	1170 Jan 27 j 02:01	14° $\approx$ 05'17	2°00'05		1171 Jan 11 j 10:26	0° $\approx$	
	1170 Feb 04 j 15:58	0° $\text{H}$		evening rise	1171 Jan 19 j 22:01	15° $\approx$ 04'52	
evening rise	1170 Feb 05 j 23:39	2° $\text{H}$ 29'30			1171 Jan 28 j 08:55	0° $\text{H}$	
asc. node	1170 Feb 13 j 05:14	15° $\text{H}$ 46'42		asc. node	1171 Jan 31 j 02:16	4° $\text{H}$ 21'30	
evening max el	1170 Feb 22 j 05:07	28° $\text{H}$ 28'58	18°21'38	evening max el	1171 Feb 05 j 15:34	11° $\text{H}$ 29'00	18°07'49
	1170 Feb 23 j 23:14	0° $\Upsilon$		retrograde	1171 Feb 12 j 07:36	14° $\text{H}$ 54'02	
retrograde	1170 Mar 01 j 11:56	2° $\Upsilon$ 05'30		evening set	1171 Feb 15 j 00:05	14° $\text{H}$ 20'54	
evening set	1170 Mar 03 j 23:22	1° $\Upsilon$ 41'34		inferior conj	1171 Feb 21 j 14:28	9° $\text{H}$ 22'41	3°38'45
	1170 Mar 07 j 09:01	30° $\text{R}$ $\text{H}$		minimum elong	1171 Feb 21 j 16:06	9° $\text{H}$ 18'44	3°38'36
inferior conj	1170 Mar 11 j 04:43	27° $\text{H}$ 04'20	3°06'33	min. Earth dist.	1171 Feb 24 j 18:05	6° $\text{H}$ 21'31	0.61160 AU
minimum elong	1170 Mar 11 j 08:19	26° $\text{H}$ 56'49	3°05'51	morning rise	1171 Feb 28 j 06:29	3° $\text{H}$ 31'14	
min. Earth dist.	1170 Mar 14 j 15:12	24° $\text{H}$ 13'39	0.59031 AU	direct	1171 Mar 07 j 02:01	1° $\text{H}$ 12'45	
morning rise	1170 Mar 18 j 14:44	21° $\text{H}$ 31'24					
desc. node	1170 Mar 24 j 01:33	19° $\text{H}$ 49'31					

desc. node	1171 Mar 10 j 22:35	1° $\text{X}$ 53'34		minimum elong	1172 Feb 04 j 15:29	22° $\approx$ 11'01	3°46'11
morning max el	1171 Mar 21 j 06:47	9° $\text{X}$ 05'15	27°43'49	min. Earth dist.	1172 Feb 07 j 06:05	19° $\approx$ 21'20	0.63162 AU
	1171 Apr 06 j 09:14	0° $\text{Y}$		morning rise	1172 Feb 10 j 17:20	16° $\approx$ 07'50	
morning set	1171 Apr 22 j 21:45	29° $\text{Y}$ 56'48		direct	1172 Feb 17 j 16:33	13° $\approx$ 25'04	
	1171 Apr 22 j 22:23	0° $\text{Z}$		desc. node	1172 Feb 25 j 19:37	16° $\approx$ 26'02	
max. Earth dist.	1171 Apr 28 j 23:18	12° $\text{Z}$ 49'36	1.32376 AU	morning max el	1172 Mar 02 j 13:44	21° $\approx$ 19'45	27°44'35
asc. node	1171 Apr 29 j 01:32	13° $\text{Z}$ 01'47			1172 Mar 10 j 03:07	0° $\text{X}$	
					1172 Mar 29 j 11:04	0° $\text{Y}$	
superior conj	1171 Apr 30 j 04:59	15° $\text{Z}$ 31'36	0°12'06	morning set	1172 Apr 05 j 21:14	14° $\text{Y}$ 09'40	
minimum elong	1171 Apr 30 j 04:26	15° $\text{Z}$ 28'34	0°11'58	max. Earth dist.	1172 Apr 11 j 05:30	25° $\text{Y}$ 12'45	1.32909 AU
behind sun begin	1171 Apr 30 j 01:05	15° $\text{Z}$ 10'14			1172 Apr 13 j 11:13	0° $\text{Z}$	
behind sun end	1171 Apr 30 j 07:47	15° $\text{Z}$ 46'55					
	1171 May 06 j 20:50	0° $\text{II}$		superior conj	1172 Apr 13 j 13:16	0° $\text{Z}$ 11'04	-0°14'37
evening rise	1171 May 07 j 02:29	0° $\text{II}$ 29'57		minimum elong	1172 Apr 13 j 13:58	0° $\text{Z}$ 14'52	0°14'28
	1171 May 23 j 07:55	0° $\text{III}$		behind sun begin	1172 Apr 13 j 11:47	0° $\text{Z}$ 03'02	
evening max el	1171 Jun 02 j 08:05	12° $\text{III}$ 12'18	24°59'34	behind sun end	1172 Apr 13 j 16:10	0° $\text{Z}$ 26'43	
desc. node	1171 Jun 06 j 21:49	15° $\text{III}$ 58'42		asc. node	1172 Apr 14 j 22:35	3° $\text{Z}$ 10'58	
retrograde	1171 Jun 16 j 07:45	19° $\text{III}$ 18'44		evening rise	1172 Apr 20 j 14:18	15° $\text{Z}$ 21'05	
evening set	1171 Jun 21 j 15:07	18° $\text{III}$ 14'12			1172 Apr 27 j 22:27	0° $\text{II}$	
min. Earth dist.	1171 Jun 26 j 19:34	15° $\text{III}$ 26'45	0.57444 AU	evening max el	1172 May 13 j 22:04	22° $\text{II}$ 46'06	23°25'51
inferior conj	1171 Jun 29 j 19:58	13° $\text{III}$ 25'51	-4°48'51	desc. node	1172 May 23 j 18:52	29° $\text{II}$ 02'20	
minimum elong	1171 Jun 29 j 17:41	13° $\text{III}$ 29'41	4°48'43	retrograde	1172 May 27 j 12:30	29° $\text{II}$ 34'04	
morning rise	1171 Jul 07 j 22:58	9° $\text{III}$ 15'45		evening set	1172 May 31 j 08:07	29° $\text{II}$ 02'03	
direct	1171 Jul 10 j 12:54	8° $\text{III}$ 56'26		min. Earth dist.	1172 Jun 07 j 08:16	25° $\text{II}$ 49'04	0.55861 AU
morning max el	1171 Jul 19 j 10:58	13° $\text{III}$ 06'33	19°08'46	inferior conj	1172 Jun 09 j 08:21	24° $\text{II}$ 37'42	-4°07'53
asc. node	1171 Jul 26 j 00:45	21° $\text{III}$ 19'34		minimum elong	1172 Jun 09 j 01:30	24° $\text{II}$ 47'55	4°06'30
	1171 Jul 31 j 02:54	0° $\text{IV}$		morning rise	1172 Jun 17 j 21:32	20° $\text{II}$ 42'25	
morning set	1171 Aug 05 j 08:27	10° $\text{IV}$ 05'02		direct	1172 Jun 20 j 15:15	20° $\text{II}$ 23'59	
				morning max el	1172 Jul 01 j 02:11	25° $\text{II}$ 14'21	20°15'48
superior conj	1171 Aug 13 j 15:07	26° $\text{IV}$ 25'43	1°44'55		1172 Jul 05 j 09:15	0° $\text{III}$	
minimum elong	1171 Aug 13 j 16:14	26° $\text{IV}$ 31'10	1°44'53	asc. node	1172 Jul 11 j 21:48	9° $\text{III}$ 58'14	
	1171 Aug 15 j 11:48	0° $\text{V}$		morning set	1172 Jul 19 j 13:14	24° $\text{III}$ 39'09	
max. Earth dist.	1171 Aug 20 j 05:02	8° $\text{V}$ 45'59	1.38439 AU		1172 Jul 22 j 03:50	0° $\text{IV}$	
evening rise	1171 Aug 24 j 00:22	15° $\text{V}$ 31'47					
	1171 Sep 01 j 17:10	0° $\text{VI}$		superior conj	1172 Jul 27 j 05:40	10° $\text{IV}$ 22'53	1°45'42
desc. node	1171 Sep 02 j 21:08	1° $\text{VI}$ 50'22		minimum elong	1172 Jul 27 j 05:04	10° $\text{IV}$ 19'51	1°45'41
	1171 Sep 23 j 00:44	0° $\text{VII}$		max. Earth dist.	1172 Aug 01 j 10:21	20° $\text{IV}$ 37'21	1.36514 AU
evening max el	1171 Sep 28 j 15:33	6° $\text{VII}$ 09'31	24°46'02	evening rise	1172 Aug 05 j 08:51	28° $\text{IV}$ 00'39	
retrograde	1171 Oct 10 j 05:22	12° $\text{VII}$ 54'08			1172 Aug 06 j 11:04	0° $\text{V}$	
evening set	1171 Oct 15 j 19:38	10° $\text{VII}$ 32'56		desc. node	1172 Aug 19 j 18:10	22° $\text{V}$ 10'16	
min. Earth dist.	1171 Oct 20 j 09:46	5° $\text{VII}$ 19'55	0.67381 AU		1172 Aug 25 j 01:03	0° $\text{VI}$	
inferior conj	1171 Oct 21 j 06:44	4° $\text{VII}$ 10'21	-0°14'53	evening max el	1172 Sep 10 j 03:20	19° $\text{VI}$ 48'14	25°56'22
minimum elong	1171 Oct 21 j 07:06	4° $\text{VII}$ 09'08	0°14'44	retrograde	1172 Sep 22 j 14:17	26° $\text{VI}$ 53'56	
transit middle	1171 Oct 21 j 07:06	4° $\text{VII}$ 09'08	0°14'44	evening set	1172 Sep 28 j 18:46	24° $\text{VI}$ 18'53	
transit begin	1171 Oct 21 j 05:57	4° $\text{VII}$ 12'59		min. Earth dist.	1172 Oct 03 j 01:14	19° $\text{VI}$ 41'32	0.66708 AU
transit end	1171 Oct 21 j 08:16	4° $\text{VII}$ 05'18		inferior conj	1172 Oct 04 j 09:16	18° $\text{VI}$ 00'46	-1°11'37
asc. node	1171 Oct 21 j 23:59	3° $\text{VIII}$ 13'26		minimum elong	1172 Oct 04 j 11:07	17° $\text{VI}$ 54'56	1°10'51
	1171 Oct 24 j 16:17	30° $\text{R}$ $\text{A}$		asc. node	1172 Oct 07 j 21:02	13° $\text{VI}$ 58'08	
morning rise	1171 Oct 26 j 18:41	28° $\text{A}$ 08'37		morning rise	1172 Oct 10 j 03:47	12° $\text{VI}$ 07'53	
direct	1171 Oct 30 j 09:56	26° $\text{A}$ 52'32		direct	1172 Oct 13 j 08:27	11° $\text{VI}$ 09'13	
	1171 Nov 05 j 17:23	0° $\text{VII}$		morning max el	1172 Oct 20 j 06:58	15° $\text{VI}$ 02'13	19°01'54
morning max el	1171 Nov 06 j 23:48	1° $\text{VII}$ 12'31	19°58'28		1172 Oct 31 j 11:30	0° $\text{VIII}$	
	1171 Nov 27 j 18:47	0° $\text{X}$		morning set	1172 Nov 11 j 16:44	17° $\text{VII}$ 24'42	
desc. node	1171 Nov 29 j 20:24	3° $\text{X}$ 09'37		desc. node	1172 Nov 15 j 17:25	23° $\text{VII}$ 43'17	
morning set	1171 Dec 03 j 09:26	8° $\text{X}$ 36'51			1172 Nov 19 j 17:36	0° $\text{X}$	
max. Earth dist.	1171 Dec 14 j 16:58	26° $\text{X}$ 21'15	1.43980 AU	max. Earth dist.	1172 Nov 26 j 08:43	10° $\text{X}$ 24'31	1.44895 AU
	1171 Dec 16 j 23:35	0° $\text{Z}$					
superior conj	1171 Dec 19 j 21:26	4° $\text{Z}$ 42'41	-1°49'39	superior conj	1172 Nov 28 j 07:25	13° $\text{X}$ 28'35	-1°17'22
minimum elong	1171 Dec 19 j 14:50	4° $\text{Z}$ 15'50	1°49'11	minimum elong	1172 Nov 27 j 22:55	12° $\text{X}$ 55'02	1°16'26
evening rise	1172 Jan 02 j 02:22	26° $\text{Z}$ 49'57			1172 Dec 08 j 15:55	0° $\text{Z}$	
	1172 Jan 03 j 22:40	0° $\approx$		evening rise	1172 Dec 13 j 08:38	7° $\text{Z}$ 37'33	
asc. node	1172 Jan 17 j 23:19	22° $\approx$ 15'23			1172 Dec 27 j 08:03	0° $\approx$	
evening max el	1172 Jan 20 j 04:05	24° $\approx$ 44'19	18°13'21	evening max el	1173 Jan 02 j 15:55	8° $\approx$ 08'04	18°37'20
retrograde	1172 Jan 26 j 15:23	28° $\approx$ 11'27		asc. node	1173 Jan 03 j 20:22	9° $\approx$ 15'46	
evening set	1172 Jan 29 j 12:43	27° $\approx$ 28'04		retrograde	1173 Jan 09 j 06:58	11° $\approx$ 48'46	
inferior conj	1172 Feb 04 j 15:51	22° $\approx$ 10'01	3°46'12	evening set	1173 Jan 12 j 09:47	10° $\approx$ 54'02	
				inferior conj	1173 Jan 18 j 04:51	5° $\approx$ 17'51	3°35'34

minimum elong	1173 Jan 18 j 03:03	5° $\approx$ 23'15	3°35'20	evening set	1173 Dec 27 j 12:31	24° $\approx$ 32'56	
min. Earth dist.	1173 Jan 20 j 03:37	2° $\approx$ 58'04	0.64855 AU	inferior conj	1174 Jan 02 j 02:06	18° $\approx$ 40'46	3°11'42
	1173 Jan 22 j 21:38	30° $\approx$ 8'3		minimum elong	1174 Jan 01 j 23:33	18° $\approx$ 48'57	3°11'10
morning rise	1173 Jan 23 j 19:51	29° $\approx$ 30'39		min. Earth dist.	1174 Jan 03 j 09:52	16° $\approx$ 58'38	0.66160 AU
direct	1173 Jan 30 j 14:21	26° $\approx$ 31'732		morning rise	1174 Jan 07 j 10:21	12° $\approx$ 32'911	
	1173 Feb 08 j 09:09	0° $\approx$		direct	1174 Jan 13 j 18:13	9° $\approx$ 34'1'36	
desc. node	1173 Feb 11 j 16:38	2° $\approx$ 50'27		morning max el	1174 Jan 26 j 08:35	17° $\approx$ 30'8'43	26°09'33
morning max el	1173 Feb 12 j 23:06	4° $\approx$ 04'39	27°10'51	desc. node	1174 Jan 29 j 13:41	20° $\approx$ 33'5'33	
	1173 Mar 04 j 14:23	0° $\approx$			1174 Feb 06 j 02:35	0° $\approx$	
morning set	1173 Mar 20 j 11:40	27° $\approx$ 51'24			1174 Feb 25 j 12:32	0° $\approx$	
	1173 Mar 21 j 14:00	0° $\approx$		morning set	1174 Mar 03 j 13:06	10° $\approx$ 5'0'02	
max. Earth dist.	1173 Mar 25 j 02:44	7° $\approx$ 04'51	1.33874 AU	max. Earth dist.	1174 Mar 07 j 12:35	18° $\approx$ 5'24'23	1.35299 AU
superior conj	1173 Mar 28 j 16:58	14° $\approx$ 0'32'17	-0°42'08	superior conj	1174 Mar 12 j 13:40	28° $\approx$ 5'27'42	-1°09'06
minimum elong	1173 Mar 28 j 19:03	14° $\approx$ 0'43'15	0°41'42	minimum elong	1174 Mar 12 j 17:01	28° $\approx$ 5'44'45	1°08'31
asc. node	1173 Apr 01 j 19:40	23° $\approx$ 0'15'23			1174 Mar 13 j 07:46	0° $\approx$	
evening rise	1173 Apr 05 j 01:02	0° $\approx$ 8'04'08		asc. node	1174 Mar 19 j 16:43	13° $\approx$ 0'10'19	
	1173 Apr 05 j 00:15	0° $\approx$ 8		evening rise	1174 Mar 20 j 08:42	14° $\approx$ 0'32'29	
	1173 Apr 22 j 12:53	0° $\approx$ II			1174 Mar 28 j 08:42	0° $\approx$ 8	
evening max el	1173 Apr 25 j 16:04	3° $\approx$ II22'57	21°51'37	evening max el	1174 Apr 07 j 19:48	14° $\approx$ 8'27'33	20°28'45
retrograde	1173 May 08 j 05:18	9° $\approx$ II32'15		retrograde	1174 Apr 18 j 18:22	19° $\approx$ 8'45'04	
evening set	1173 May 10 j 19:56	9° $\approx$ II17'03		evening set	1174 Apr 20 j 20:38	19° $\approx$ 8'34'15	
desc. node	1173 May 10 j 15:53	9° $\approx$ II18'56		desc. node	1174 Apr 27 j 12:54	17° $\approx$ 8'00'46	
inferior conj	1173 May 20 j 05:49	5° $\approx$ II13'26	-2°40'19	inferior conj	1174 Apr 30 j 00:26	15° $\approx$ 8'36'29	-0°43'09
minimum elong	1173 May 19 j 22:53	5° $\approx$ II23'08	2°38'07	minimum elong	1174 Apr 29 j 22:24	15° $\approx$ 8'39'26	0°42'24
min. Earth dist.	1173 May 19 j 20:30	5° $\approx$ II26'27	0.55017 AU	min. Earth dist.	1174 May 01 j 09:24	14° $\approx$ 8'48'40	0.55113 AU
morning rise	1173 May 29 j 03:01	1° $\approx$ II18'32		morning rise	1174 May 08 j 23:04	11° $\approx$ 8'23'11	
direct	1173 Jun 01 j 04:07	0° $\approx$ II58'00		direct	1174 May 12 j 15:13	10° $\approx$ 8'54'02	
morning max el	1173 Jun 13 j 06:04	6° $\approx$ II38'39	21°42'01	morning max el	1174 May 26 j 00:41	17° $\approx$ 8'24'43	23°21'16
asc. node	1173 Jun 28 j 18:52	29° $\approx$ II09'27			1174 Jun 05 j 04:30	0° $\approx$ II	
	1173 Jun 29 j 05:25	0° $\approx$ 6		asc. node	1174 Jun 15 j 15:56	18° $\approx$ II44'06	
morning set	1173 Jul 03 j 22:16	9° $\approx$ 6'27'16		morning set	1174 Jun 18 j 09:34	24° $\approx$ II22'42	
					1174 Jun 21 j 01:02	0° $\approx$ 6	
superior conj	1173 Jul 11 j 05:28	24° $\approx$ 6'48'30	1°39'21	superior conj	1174 Jun 25 j 11:23	9° $\approx$ 6'32'13	1°27'17
minimum elong	1173 Jul 11 j 03:42	24° $\approx$ 6'39'14	1°39'13	minimum elong	1174 Jun 25 j 09:02	9° $\approx$ 6'19'36	1°27'00
	1173 Jul 13 j 17:39	0° $\approx$ 8		max. Earth dist.	1174 Jun 27 j 22:03	14° $\approx$ 6'44'29	1.33649 AU
max. Earth dist.	1173 Jul 14 j 23:29	2° $\approx$ 8'31'52	1.34892 AU	evening rise	1174 Jul 03 j 01:30	25° $\approx$ 6'18'44	
evening rise	1173 Jul 19 j 10:47	11° $\approx$ 8'20'56			1174 Jul 05 j 10:53	0° $\approx$ 8	
	1173 Jul 29 j 21:04	0° $\approx$ 8			1174 Jul 23 j 07:51	0° $\approx$ 8	
desc. node	1173 Aug 06 j 15:13	12° $\approx$ 8'10'08		desc. node	1174 Jul 24 j 12:15	1° $\approx$ 8'40'22	
	1173 Aug 20 j 08:26	0° $\approx$ 8		evening max el	1174 Aug 06 j 03:19	16° $\approx$ 8'44'15	27°21'10
evening max el	1173 Aug 23 j 15:37	3° $\approx$ 8'23'52	26°50'31	retrograde	1174 Aug 19 j 15:30	24° $\approx$ 8'02'39	
retrograde	1173 Sep 05 j 17:49	10° $\approx$ 8'39'41		evening set	1174 Aug 26 j 18:01	21° $\approx$ 8'19'44	
evening set	1173 Sep 12 j 11:09	7° $\approx$ 8'56'19		min. Earth dist.	1174 Aug 30 j 11:15	17° $\approx$ 8'54'48	0.64318 AU
min. Earth dist.	1173 Sep 16 j 10:32	3° $\approx$ 8'55'46	0.65693 AU	inferior conj	1174 Sep 01 j 20:08	15° $\approx$ 8'23'18	-3°04'53
inferior conj	1173 Sep 18 j 06:32	1° $\approx$ 8'47'05	-2°09'04	minimum elong	1174 Sep 02 j 00:46	15° $\approx$ 8'10'56	3°03'22
minimum elong	1173 Sep 18 j 09:54	1° $\approx$ 8'37'13	2°07'46	morning rise	1174 Sep 08 j 08:27	9° $\approx$ 8'57'53	
	1173 Sep 19 j 19:54	30° $\approx$ 8'8		direct	1174 Sep 10 j 23:05	9° $\approx$ 8'23'06	
morning rise	1173 Sep 24 j 09:16	26° $\approx$ 8'06'10		asc. node	1174 Sep 11 j 15:07	9° $\approx$ 8'25'24	
asc. node	1173 Sep 24 j 18:04	25° $\approx$ 8'55'24		morning max el	1174 Sep 17 j 11:19	12° $\approx$ 8'49'43	17°58'06
direct	1173 Sep 27 j 05:41	25° $\approx$ 8'21'12			1174 Sep 29 j 08:13	0° $\approx$ 8	
morning max el	1173 Oct 03 j 19:41	28° $\approx$ 8'56'42	18°21'29	morning set	1174 Oct 04 j 17:54	9° $\approx$ 8'09'37	
	1173 Oct 04 j 19:35	0° $\approx$ 8			1174 Oct 17 j 06:16	0° $\approx$ 8	
morning set	1173 Oct 23 j 03:19	27° $\approx$ 8'36'24		superior conj	1174 Oct 17 j 22:16	1° $\approx$ 8'04'47	0°17'04
	1173 Oct 24 j 14:46	0° $\approx$ 8		minimum elong	1174 Oct 18 j 00:13	1° $\approx$ 8'12'40	0°16'47
desc. node	1173 Nov 02 j 14:29	14° $\approx$ 8'12'511		desc. node	1174 Oct 20 j 11:32	5° $\approx$ 8'11'20	
superior conj	1173 Nov 07 j 08:29	21° $\approx$ 8'56'04	-0°31'13	max. Earth dist.	1174 Oct 22 j 22:24	9° $\approx$ 8'05'56	1.44533 AU
minimum elong	1173 Nov 07 j 04:25	21° $\approx$ 8'40'02	0°30'40	evening rise	1174 Nov 03 j 04:04	26° $\approx$ 8'38'47	
max. Earth dist.	1173 Nov 09 j 03:42	24° $\approx$ 8'46'06	1.45087 AU		1174 Nov 05 j 08:26	0° $\approx$ 8	
	1173 Nov 12 j 11:41	0° $\approx$ 8			1174 Nov 25 j 20:26	0° $\approx$ 8	
evening rise	1173 Nov 23 j 15:30	17° $\approx$ 8'28'59		evening max el	1174 Nov 30 j 04:51	5° $\approx$ 8'05'21	20°14'58
	1173 Dec 01 j 15:18	0° $\approx$ 8		retrograde	1174 Dec 08 j 00:48	9° $\approx$ 8'41'35	
greatest brilliancy	1173 Dec 04 j 09:52	4° $\approx$ 8'17'52	-0.8m	asc. node	1174 Dec 08 j 14:24	9° $\approx$ 8'39'46	
evening max el	1173 Dec 17 j 00:47	21° $\approx$ 8'36'01	19°18'29	evening set	1174 Dec 11 j 18:40	8° $\approx$ 8'20'04	
asc. node	1173 Dec 21 j 17:24	25° $\approx$ 8'08'43		inferior conj	1174 Dec 17 j 04:52	2° $\approx$ 8'14'47	2°37'57
retrograde	1173 Dec 24 j 03:00	25° $\approx$ 8'34'018					



minimum elong	1174 Dec 17 j 02:11	2° $\text{☿}$ 23'50	2°37'10	asc. node	1175 Nov 25 j 11:25	22° $\text{♊}$ 38'11	
min. Earth dist.	1174 Dec 17 j 23:12	1° $\text{☿}$ 12'56	0.67058 AU	evening set	1175 Nov 26 j 02:15	22° $\text{♊}$ 11'12	
	1174 Dec 18 j 21:11	30° $\text{♊}$		inferior conj	1175 Dec 01 j 10:51	15° $\text{♊}$ 56'11	1°56'29
morning rise	1174 Dec 22 j 09:32	26° $\text{♊}$ 01'37		minimum elong	1175 Dec 01 j 08:32	16° $\text{♊}$ 04'11	1°55'39
direct	1174 Dec 28 j 03:27	23° $\text{♊}$ 28'41		min. Earth dist.	1175 Dec 01 j 17:18	15° $\text{♊}$ 33'53	0.67582 AU
	1175 Jan 08 j 08:12	0° $\text{☿}$		morning rise	1175 Dec 06 j 14:39	9° $\text{♊}$ 43'16	
morning max el	1175 Jan 08 j 17:15	0° $\text{☿}$ 22'38	24°50'01	direct	1175 Dec 11 j 17:28	7° $\text{♊}$ 30'45	
desc. node	1175 Jan 16 j 10:44	9° $\text{☿}$ 18'06		morning max el	1175 Dec 22 j 02:14	13° $\text{♊}$ 40'53	23°22'15
	1175 Jan 31 j 00:57	0° $\approx$		desc. node	1176 Jan 03 j 07:46	28° $\text{♊}$ 40'52	
morning set	1175 Feb 13 j 20:23	22° $\approx$ 51'13			1176 Jan 04 j 06:39	0° $\text{☿}$	
max. Earth dist.	1175 Feb 17 j 12:13	29° $\approx$ 27'56	1.37138 AU		1176 Jan 23 j 22:55	0° $\approx$	
	1175 Feb 17 j 19:10	0° $\text{♋}$		morning set	1176 Jan 26 j 03:07	3° $\approx$ 37'32	
				max. Earth dist.	1176 Jan 30 j 07:05	10° $\approx$ 45'40	1.39240 AU
superior conj	1175 Feb 24 j 00:19	11° $\text{♋}$ 48'58	-1°33'35				
minimum elong	1175 Feb 24 j 04:24	12° $\text{♋}$ 08'57	1°33'04	superior conj	1176 Feb 06 j 20:50	24° $\approx$ 24'53	-1°52'53
evening rise	1175 Mar 04 j 11:03	28° $\text{♋}$ 39'31		minimum elong	1176 Feb 07 j 00:29	24° $\approx$ 41'49	1°52'37
	1175 Mar 05 j 03:11	0° $\text{♌}$			1176 Feb 09 j 20:06	0° $\text{♋}$	
asc. node	1175 Mar 06 j 13:46	2° $\text{♌}$ 51'10		evening rise	1176 Feb 16 j 05:15	12° $\text{♋}$ 16'55	
evening max el	1175 Mar 21 j 11:02	26° $\text{♌}$ 11'01	19°23'40	asc. node	1176 Feb 21 j 10:47	22° $\text{♋}$ 11'43	
	1175 Mar 27 j 03:55	0° $\text{♌}$			1176 Feb 25 j 23:22	0° $\text{♌}$	
retrograde	1175 Mar 30 j 16:57	0° $\text{♌}$ 38'39		evening max el	1176 Mar 03 j 12:10	8° $\text{♌}$ 30'40	18°38'30
evening set	1175 Apr 01 j 19:38	0° $\text{♌}$ 25'42		retrograde	1176 Mar 11 j 08:58	12° $\text{♌}$ 21'04	
	1175 Apr 03 j 09:43	30° $\text{♌}$		evening set	1176 Mar 13 j 16:59	12° $\text{♌}$ 02'00	
inferior conj	1175 Apr 10 j 06:37	26° $\text{♌}$ 18'26	1°09'47	inferior conj	1176 Mar 21 j 08:38	7° $\text{♌}$ 36'58	2°33'52
minimum elong	1175 Apr 10 j 09:23	26° $\text{♌}$ 13'54	1°08'51	minimum elong	1176 Mar 21 j 12:47	7° $\text{♌}$ 29'03	2°32'49
min. Earth dist.	1175 Apr 13 j 00:04	24° $\text{♌}$ 31'51	0.56132 AU	min. Earth dist.	1176 Mar 24 j 17:46	5° $\text{♌}$ 03'19	0.57856 AU
desc. node	1175 Apr 14 j 09:55	23° $\text{♌}$ 39'58		morning rise	1176 Mar 29 j 05:33	2° $\text{♌}$ 18'28	
morning rise	1175 Apr 18 j 20:20	21° $\text{♌}$ 32'29		desc. node	1176 Mar 31 j 06:57	1° $\text{♌}$ 30'18	
direct	1175 Apr 23 j 11:59	20° $\text{♌}$ 43'13		direct	1176 Apr 03 j 23:03	0° $\text{♌}$ 56'16	
morning max el	1175 May 07 j 15:24	27° $\text{♌}$ 53'33	25°01'41	morning max el	1176 Apr 18 j 07:54	8° $\text{♌}$ 31'41	26°27'58
	1175 May 09 j 17:21	0° $\text{♌}$			1176 May 04 j 12:07	0° $\text{♌}$	
	1175 May 29 j 07:36	0° $\text{♍}$		morning set	1176 May 17 j 08:19	24° $\text{♌}$ 13'21	
morning set	1175 Jun 02 j 21:28	9° $\text{♍}$ 20'04		asc. node	1176 May 19 j 10:04	28° $\text{♌}$ 37'54	
asc. node	1175 Jun 02 j 13:01	8° $\text{♍}$ 35'37			1176 May 20 j 01:18	0° $\text{♍}$	
superior conj	1175 Jun 09 j 21:05	24° $\text{♍}$ 26'42	1°10'36	superior conj	1176 May 24 j 08:36	9° $\text{♍}$ 24'52	0°50'09
minimum elong	1175 Jun 09 j 18:41	24° $\text{♍}$ 13'36	1°10'12	minimum elong	1176 May 24 j 06:37	9° $\text{♍}$ 13'58	0°49'46
max. Earth dist.	1175 Jun 11 j 04:30	27° $\text{♍}$ 17'34	1.32802 AU	max. Earth dist.	1176 May 24 j 15:39	10° $\text{♍}$ 03'35	1.32338 AU
	1175 Jun 12 j 10:33	0° $\text{☿}$		evening rise	1176 May 31 j 07:19	24° $\text{♍}$ 25'11	
evening rise	1175 Jun 17 j 01:19	9° $\text{☿}$ 43'18			1176 Jun 03 j 00:34	0° $\text{☿}$	
	1175 Jun 27 j 18:49	0° $\text{♎}$			1176 Jun 20 j 15:05	0° $\text{♎}$	
desc. node	1175 Jul 11 j 09:15	20° $\text{♎}$ 28'41		desc. node	1176 Jun 27 j 06:15	8° $\text{♎}$ 17'49	
evening max el	1175 Jul 19 j 12:20	29° $\text{♎}$ 36'35	27°22'18	evening max el	1176 Jun 30 j 16:19	11° $\text{♎}$ 49'36	26°50'37
	1175 Jul 19 j 22:19	0° $\text{♏}$		retrograde	1176 Jul 14 j 15:14	19° $\text{♎}$ 04'23	
retrograde	1175 Aug 02 j 06:57	6° $\text{♏}$ 53'55		evening set	1176 Jul 21 j 12:27	17° $\text{♎}$ 00'30	
evening set	1175 Aug 09 j 11:55	4° $\text{♏}$ 23'30		min. Earth dist.	1176 Jul 25 j 06:17	14° $\text{♎}$ 21'48	0.60614 AU
min. Earth dist.	1175 Aug 13 j 01:51	1° $\text{♏}$ 28'03	0.62597 AU	inferior conj	1176 Jul 28 j 12:27	11° $\text{♎}$ 38'27	-4°34'31
	1175 Aug 14 j 15:11	30° $\text{♎}$		minimum elong	1176 Jul 28 j 16:28	11° $\text{♎}$ 30'00	4°33'57
inferior conj	1175 Aug 15 j 23:12	28° $\text{♎}$ 43'04	-3°55'22	morning rise	1176 Aug 04 j 22:22	6° $\text{♎}$ 53'17	
minimum elong	1175 Aug 16 j 04:19	28° $\text{♎}$ 30'51	3°54'06	direct	1176 Aug 07 j 08:56	6° $\text{♎}$ 30'13	
morning rise	1175 Aug 22 j 22:07	23° $\text{♎}$ 36'27		morning max el	1176 Aug 14 j 15:43	10° $\text{♎}$ 05'00	18°06'03
direct	1175 Aug 25 j 09:26	23° $\text{♎}$ 08'46		asc. node	1176 Aug 15 j 09:14	10° $\text{♎}$ 49'14	
asc. node	1175 Aug 29 j 12:10	24° $\text{♎}$ 27'22			1176 Aug 27 j 17:21	0° $\text{♏}$	
morning max el	1175 Sep 01 j 03:00	26° $\text{♎}$ 34'59	17°52'35	morning set	1176 Aug 30 j 12:27	5° $\text{♏}$ 11'42	
	1175 Sep 04 j 02:05	0° $\text{♏}$					
morning set	1175 Sep 17 j 06:55	21° $\text{♏}$ 46'45		superior conj	1176 Sep 09 j 07:49	23° $\text{♏}$ 13'54	1°24'46
	1175 Sep 21 j 22:02	0° $\text{♐}$		minimum elong	1176 Sep 09 j 11:58	23° $\text{♏}$ 32'24	1°24'22
					1176 Sep 13 j 04:13	0° $\text{♐}$	
superior conj	1175 Sep 28 j 13:47	11° $\text{♐}$ 30'11	0°57'04	max. Earth dist.	1176 Sep 16 j 22:49	6° $\text{♐}$ 26'07	1.41604 AU
minimum elong	1175 Sep 28 j 18:26	11° $\text{♐}$ 49'51	0°56'28	evening rise	1176 Sep 22 j 09:37	15° $\text{♐}$ 23'25	
max. Earth dist.	1175 Oct 05 j 13:23	23° $\text{♐}$ 04'16	1.43318 AU	desc. node	1176 Sep 23 j 05:33	16° $\text{♐}$ 43'21	
desc. node	1175 Oct 07 j 08:33	25° $\text{♐}$ 58'22			1176 Oct 01 j 18:49	0° $\text{♑}$	
	1175 Oct 09 j 21:10	0° $\text{♑}$			1176 Oct 23 j 20:41	0° $\text{♊}$	
evening rise	1175 Oct 13 j 12:19	5° $\text{♑}$ 41'51		evening max el	1176 Oct 25 j 20:11	2° $\text{♊}$ 05'46	22°41'23
	1175 Oct 29 j 17:28	0° $\text{♋}$		retrograde	1176 Nov 04 j 17:25	7° $\text{♊}$ 58'12	
evening max el	1175 Nov 13 j 03:08	18° $\text{♊}$ 34'37	21°24'00	evening set	1176 Nov 09 j 09:38	6° $\text{♊}$ 04'06	
retrograde	1175 Nov 21 j 22:11	23° $\text{♊}$ 48'23		asc. node	1176 Nov 11 j 08:27	4° $\text{♊}$ 08'33	

inferior conj	1176 Nov 14 j 18:09	29° $\mathbb{M}$ 43'07	1°08'58	asc. node	1177 Oct 29 j 05:30	14° $\mathbb{M}$ 38'47	
minimum elong	1176 Nov 14 j 16:37	29° $\mathbb{M}$ 48'25	1°08'21	min. Earth dist.	1177 Oct 29 j 10:10	14° $\mathbb{M}$ 23'04	0.67618 AU
min. Earth dist.	1176 Nov 14 j 13:48	29° $\mathbb{M}$ 58'10	0.67764 AU	inferior conj	1177 Oct 30 j 00:58	13° $\mathbb{M}$ 32'55	0°16'46
	1176 Nov 14 j 13:16	30° $\mathbb{R}\mathbb{M}$		minimum elong	1177 Oct 30 j 00:34	13° $\mathbb{M}$ 34'16	0°16'35
morning rise	1176 Nov 19 j 23:28	23° $\mathbb{M}$ 32'35		morning rise	1177 Nov 04 j 09:56	7° $\mathbb{M}$ 27'12	
direct	1176 Nov 24 j 11:28	21° $\mathbb{M}$ 42'39		direct	1177 Nov 08 j 08:21	5° $\mathbb{M}$ 59'17	
morning max el	1176 Dec 03 j 14:42	27° $\mathbb{M}$ 05'13	21°55'41	morning max el	1177 Nov 16 j 09:54	10° $\mathbb{M}$ 39'04	20°37'37
	1176 Dec 06 j 07:18	0° $\mathbb{X}$			1177 Dec 01 j 04:33	0° $\mathbb{X}$	
desc. node	1176 Dec 20 j 04:47	18° $\mathbb{X}$ 32'42		desc. node	1177 Dec 07 j 01:49	8° $\mathbb{X}$ 45'04	
	1176 Dec 27 j 21:22	0° $\mathbb{Z}$		morning set	1177 Dec 15 j 06:06	21° $\mathbb{X}$ 16'08	
morning set	1177 Jan 05 j 04:44	12° $\mathbb{Z}$ 59'24			1177 Dec 20 j 19:28	0° $\mathbb{Z}$	
max. Earth dist.	1177 Jan 11 j 05:02	22° $\mathbb{Z}$ 49'22	1.41349 AU	max. Earth dist.	1177 Dec 24 j 10:54	5° $\mathbb{Z}$ 50'15	1.43167 AU
	1177 Jan 15 j 10:44	0° $\mathbb{A}$					
superior conj	1177 Jan 18 j 22:21	6° $\mathbb{A}$ 04'00	-2°03'10	superior conj	1177 Dec 30 j 23:34	16° $\mathbb{Z}$ 34'02	-1°59'41
minimum elong	1177 Jan 18 j 23:29	6° $\mathbb{A}$ 09'01	2°03'09	minimum elong	1177 Dec 30 j 19:56	16° $\mathbb{Z}$ 18'50	1°59'33
evening rise	1177 Jan 29 j 11:59	25° $\mathbb{A}$ 17'01		evening rise	1178 Jan 07 j 20:19	0° $\mathbb{A}$	
	1177 Feb 01 j 01:15	0° $\mathbb{H}$		asc. node	1178 Jan 12 j 03:10	7° $\mathbb{A}$ 31'20	
asc. node	1177 Feb 07 j 07:47	11° $\mathbb{H}$ 05'28			1178 Jan 25 j 04:49	29° $\mathbb{A}$ 24'01	
evening max el	1177 Feb 14 j 20:12	21° $\mathbb{H}$ 18'53	18°13'23	evening max el	1178 Jan 25 j 15:07	0° $\mathbb{H}$	
retrograde	1177 Feb 21 j 19:20	24° $\mathbb{H}$ 48'22		retrograde	1178 Jan 29 j 07:58	4° $\mathbb{H}$ 26'34	18°07'55
evening set	1177 Feb 24 j 09:00	24° $\mathbb{H}$ 20'42		retrograde	1178 Feb 04 j 20:38	7° $\mathbb{H}$ 50'37	
inferior conj	1177 Mar 03 j 07:35	19° $\mathbb{H}$ 34'48	3°23'40	evening set	1178 Feb 07 j 15:19	7° $\mathbb{H}$ 13'04	
minimum elong	1177 Mar 03 j 10:25	19° $\mathbb{H}$ 28'28	3°23'14	inferior conj	1178 Feb 14 j 00:28	2° $\mathbb{H}$ 06'13	3°44'29
min. Earth dist.	1177 Mar 06 j 16:30	16° $\mathbb{H}$ 36'20	0.59943 AU	minimum elong	1178 Feb 14 j 01:13	2° $\mathbb{H}$ 04'20	3°44'27
morning rise	1177 Mar 10 j 09:39	13° $\mathbb{H}$ 52'55			1178 Feb 16 j 01:56	30° $\mathbb{R}\mathbb{A}$	
direct	1177 Mar 16 j 22:47	11° $\mathbb{H}$ 53'17		min. Earth dist.	1178 Feb 16 j 22:53	29° $\mathbb{A}$ 08'05	0.62043 AU
desc. node	1177 Mar 18 j 03:59	11° $\mathbb{H}$ 57'18		morning rise	1178 Feb 20 j 09:51	26° $\mathbb{A}$ 09'48	
morning max el	1177 Mar 31 j 05:51	19° $\mathbb{H}$ 41'29	27°26'13	direct	1178 Feb 27 j 08:16	23° $\mathbb{A}$ 39'23	
	1177 Apr 09 j 00:50	0° $\mathbb{Y}$		desc. node	1178 Mar 05 j 01:01	25° $\mathbb{A}$ 08'37	
	1177 Apr 27 j 05:47	0° $\mathbb{B}$			1178 Mar 11 j 18:59	0° $\mathbb{H}$	
morning set	1177 May 01 j 16:23	8° $\mathbb{B}$ 56'27		morning max el	1178 Mar 13 j 09:56	1° $\mathbb{H}$ 32'55	27°48'40
asc. node	1177 May 06 j 07:06	18° $\mathbb{B}$ 46'13			1178 Apr 03 j 05:57	0° $\mathbb{Y}$	
max. Earth dist.	1177 May 08 j 04:00	22° $\mathbb{B}$ 51'28	1.32255 AU	morning set	1178 Apr 15 j 19:45	23° $\mathbb{Y}$ 23'03	
					1178 Apr 19 j 00:14	0° $\mathbb{B}$	
superior conj	1177 May 08 j 20:14	24° $\mathbb{B}$ 20'35	0°26'41	max. Earth dist.	1178 Apr 21 j 13:48	5° $\mathbb{B}$ 28'48	1.32557 AU
minimum elong	1177 May 08 j 19:04	24° $\mathbb{B}$ 14'09	0°26'26				
	1177 May 11 j 10:04	0° $\mathbb{I}$		superior conj	1178 Apr 23 j 06:17	9° $\mathbb{B}$ 08'12	0°00'57
evening rise	1177 May 15 j 17:10	9° $\mathbb{I}$ 16'24		minimum elong	1178 Apr 23 j 06:14	9° $\mathbb{B}$ 07'57	0°00'57
	1177 May 26 j 10:20	0° $\mathbb{E}$		behind sun begin	1178 Apr 23 j 01:07	8° $\mathbb{B}$ 40'04	
evening max el	1177 Jun 12 j 13:33	23° $\mathbb{E}$ 16'52	25°47'22	behind sun end	1178 Apr 23 j 11:22	9° $\mathbb{B}$ 35'52	
desc. node	1177 Jun 14 j 03:16	24° $\mathbb{E}$ 42'49		asc. node	1178 Apr 23 j 04:08	8° $\mathbb{B}$ 56'31	
	1177 Jun 23 j 05:18	0° $\mathbb{O}$		evening rise	1178 Apr 30 j 04:52	24° $\mathbb{B}$ 10'11	
retrograde	1177 Jun 26 j 14:21	0° $\mathbb{O}$ 27'11			1178 May 03 j 00:06	0° $\mathbb{I}$	
	1177 Jun 29 j 22:49	30° $\mathbb{R}\mathbb{E}$			1178 May 21 j 09:30	0° $\mathbb{E}$	
evening set	1177 Jul 02 j 15:01	29° $\mathbb{E}$ 00'34		evening max el	1178 May 25 j 04:55	4° $\mathbb{E}$ 04'42	24°20'44
min. Earth dist.	1177 Jul 07 j 01:59	26° $\mathbb{E}$ 21'12	0.58555 AU	desc. node	1178 Jun 01 j 00:18	9° $\mathbb{E}$ 11'16	
inferior conj	1177 Jul 10 j 08:15	23° $\mathbb{E}$ 59'20	-4°52'51	retrograde	1178 Jun 08 j 01:51	11° $\mathbb{E}$ 04'32	
minimum elong	1177 Jul 10 j 08:52	23° $\mathbb{E}$ 58'14	4°52'51	evening set	1178 Jun 12 j 18:25	10° $\mathbb{E}$ 15'26	
morning rise	1177 Jul 18 j 05:03	19° $\mathbb{E}$ 36'37		min. Earth dist.	1178 Jun 18 j 15:58	7° $\mathbb{E}$ 18'46	0.56707 AU
direct	1177 Jul 20 j 17:18	19° $\mathbb{E}$ 16'13		inferior conj	1178 Jun 21 j 08:05	5° $\mathbb{E}$ 37'35	-4°37'16
morning max el	1177 Jul 28 j 22:14	23° $\mathbb{E}$ 10'09	18°39'46	minimum elong	1178 Jun 21 j 03:35	5° $\mathbb{E}$ 44'43	4°36'43
asc. node	1177 Aug 02 j 06:18	28° $\mathbb{E}$ 15'06		morning rise	1178 Jun 29 j 15:29	1° $\mathbb{E}$ 34'51	
	1177 Aug 03 j 11:32	0° $\mathbb{O}$		direct	1178 Jul 02 j 07:03	1° $\mathbb{E}$ 15'56	
morning set	1177 Aug 14 j 05:44	19° $\mathbb{O}$ 10'56		morning max el	1178 Jul 11 j 19:39	5° $\mathbb{E}$ 41'21	19°34'40
	1177 Aug 19 j 19:27	0° $\mathbb{N}$		asc. node	1178 Jul 20 j 03:22	16° $\mathbb{E}$ 31'00	
superior conj	1177 Aug 22 j 23:25	6° $\mathbb{N}$ 01'25	1°40'32		1178 Jul 27 j 11:58	0° $\mathbb{O}$	
minimum elong	1177 Aug 23 j 01:42	6° $\mathbb{N}$ 12'10	1°40'25	morning set	1178 Jul 29 j 07:10	3° $\mathbb{O}$ 35'05	
max. Earth dist.	1177 Aug 30 j 03:43	19° $\mathbb{N}$ 05'47	1.39615 AU	superior conj	1178 Aug 06 j 07:02	19° $\mathbb{O}$ 37'35	1°46'13
evening rise	1177 Sep 03 j 06:03	26° $\mathbb{N}$ 09'31		minimum elong	1178 Aug 06 j 07:22	19° $\mathbb{O}$ 39'14	1°46'13
	1177 Sep 05 j 13:13	0° $\mathbb{U}$			1178 Aug 11 j 16:31	0° $\mathbb{N}$	
desc. node	1177 Sep 10 j 02:35	7° $\mathbb{U}$ 22'12		max. Earth dist.	1178 Aug 12 j 07:44	1° $\mathbb{N}$ 10'53	1.37601 AU
	1177 Sep 25 j 10:49	0° $\mathbb{M}$		evening rise	1178 Aug 16 j 02:27	8° $\mathbb{N}$ 03'29	
evening max el	1177 Oct 08 j 09:38	15° $\mathbb{M}$ 40'11	24°01'29	desc. node	1178 Aug 27 j 23:36	27° $\mathbb{N}$ 50'39	
retrograde	1177 Oct 19 j 09:12	22° $\mathbb{M}$ 07'20			1178 Aug 29 j 09:08	0° $\mathbb{U}$	
evening set	1177 Oct 24 j 15:10	19° $\mathbb{M}$ 55'52		evening max el	1178 Sep 20 j 21:34	29° $\mathbb{U}$ 18'05	25°17'24
					1178 Sep 21 j 14:58	0° $\mathbb{M}$	

retrograde	1178 Oct 02 j 20:41	6°♍12'09		retrograde	1179 Sep 16 j 03:22	20°♊07'05	
evening set	1178 Oct 08 j 17:11	3°♍44'33		evening set	1179 Sep 22 j 13:46	17°♊27'17	
	1178 Oct 12 j 04:56	30°♋♊		min. Earth dist.	1179 Sep 26 j 17:02	13°♊05'52	0.66323 AU
min. Earth dist.	1178 Oct 13 j 04:02	28°♊46'40	0.67144 AU	inferior conj	1179 Sep 28 j 06:09	11°♊12'30	-1°36'03
inferior conj	1178 Oct 14 j 05:36	27°♊23'37	-0°38'45	minimum elong	1179 Sep 28 j 08:39	11°♊04'49	1°35'01
minimum elong	1178 Oct 14 j 06:35	27°♊20'26	0°38'20	asc. node	1179 Oct 02 j 23:37	6°♊12'28	
asc. node	1178 Oct 16 j 02:34	25°♊01'26		morning rise	1179 Oct 04 j 04:00	5°♊24'37	
morning rise	1178 Oct 19 j 20:08	21°♊25'26		direct	1179 Oct 07 j 04:51	4°♊32'21	
direct	1178 Oct 23 j 06:43	20°♊17'05		morning max el	1179 Oct 13 j 22:56	8°♊16'36	18°42'42
morning max el	1178 Oct 30 j 13:01	24°♊23'50	19°32'30		1179 Oct 29 j 07:24	0°♍	
	1178 Nov 04 j 07:18	0°♍		morning set	1179 Nov 03 j 22:00	8°♍53'42	
greatest brilliancy	1178 Nov 13 j 01:50	12°♍32'44	-0.7m	desc. node	1179 Nov 10 j 19:54	19°♍49'54	
desc. node	1178 Nov 23 j 22:51	29°♍12'12			1179 Nov 17 j 07:02	0°♌	
morning set	1178 Nov 24 j 04:01	29°♍32'15		max. Earth dist.	1179 Nov 19 j 17:49	3°♌50'55	1.45062 AU
	1178 Nov 24 j 11:12	0°♌					
max. Earth dist.	1178 Dec 07 j 00:11	19°♌37'10	1.44456 AU	superior conj	1179 Nov 20 j 01:49	4°♌22'20	-0°58'51
				minimum elong	1179 Nov 19 j 18:33	3°♌53'48	0°57'57
superior conj	1178 Dec 10 j 22:12	25°♌51'43	-1°38'09	evening rise	1179 Dec 05 j 18:45	29°♌15'25	
minimum elong	1178 Dec 10 j 14:03	25°♌19'04	1°37'27		1179 Dec 06 j 05:52	0°♎	
	1178 Dec 13 j 11:54	0°♎		greatest brilliancy	1179 Dec 13 j 03:53	11°♎05'00	-0.9m
evening rise	1178 Dec 24 j 22:29	18°♎52'06			1179 Dec 26 j 04:55	0°♏	
	1178 Dec 31 j 13:50	0°♏		evening max el	1179 Dec 27 j 07:12	1°♏10'59	18°52'49
asc. node	1179 Jan 12 j 01:52	16°♏56'22		asc. node	1179 Dec 29 j 22:54	3°♏29'50	
evening max el	1179 Jan 12 j 20:27	17°♏45'31	18°21'23	retrograde	1180 Jan 03 j 02:18	5°♏01'03	
retrograde	1179 Jan 19 j 08:20	21°♏17'10		evening set	1180 Jan 06 j 07:43	4°♏01'11	
evening set	1179 Jan 22 j 07:56	20°♏28'58			1180 Jan 10 j 14:31	30°♋♎	
inferior conj	1179 Jan 28 j 07:14	15°♏02'40	3°43'35	inferior conj	1180 Jan 12 j 00:08	28°♎17'43	3°26'50
minimum elong	1179 Jan 28 j 06:10	15°♏05'40	3°43'30	minimum elong	1180 Jan 11 j 21:56	28°♎24'31	3°26'30
min. Earth dist.	1179 Jan 30 j 14:48	12°♏25'05	0.63921 AU	min. Earth dist.	1180 Jan 13 j 16:20	26°♎13'15	0.65450 AU
morning rise	1179 Feb 03 j 03:46	8°♏57'33		morning rise	1180 Jan 17 j 11:48	22°♎07'33	
direct	1179 Feb 10 j 01:45	6°♏09'21		direct	1180 Jan 24 j 02:09	19°♎15'57	
desc. node	1179 Feb 19 j 22:03	10°♏32'40		morning max el	1180 Feb 06 j 04:15	26°♎56'56	26°47'45
morning max el	1179 Feb 23 j 18:21	14°♏01'40	27°34'19	desc. node	1180 Feb 06 j 19:05	27°♎34'41	
	1179 Mar 08 j 17:01	0°♐			1180 Feb 09 j 01:04	0°♑	
	1179 Mar 26 j 19:52	0°♑			1180 Mar 01 j 08:06	0°♐	
morning set	1179 Mar 30 j 15:47	7°♑23'47		morning set	1180 Mar 13 j 01:15	20°♐48'47	
max. Earth dist.	1179 Apr 04 j 16:54	17°♑40'59	1.33267 AU	max. Earth dist.	1180 Mar 17 j 09:34	29°♐18'59	1.34421 AU
					1180 Mar 17 j 17:44	0°♑	
superior conj	1179 Apr 07 j 12:51	23°♑40'27	-0°26'14	superior conj	1180 Mar 21 j 13:52	7°♑51'09	-0°53'43
minimum elong	1179 Apr 07 j 14:09	23°♑47'20	0°25'58	minimum elong	1180 Mar 21 j 16:31	8°♑04'57	0°53'13
asc. node	1179 Apr 10 j 01:10	29°♑03'57		asc. node	1180 Mar 26 j 22:13	19°♑04'33	
	1179 Apr 10 j 11:36	0°♒		evening rise	1180 Mar 29 j 02:07	23°♑35'56	
evening rise	1179 Apr 14 j 16:27	8°♒58'44			1180 Apr 01 j 05:22	0°♒	
	1179 Apr 25 j 17:08	0°♒		evening max el	1180 Apr 17 j 17:01	25°♒20'48	21°14'28
evening max el	1179 May 06 j 19:33	14°♒35'15	22°44'56		1180 Apr 24 j 07:15	0°♒	
desc. node	1179 May 18 j 21:20	21°♒06'26		retrograde	1180 Apr 29 j 15:19	1°♒09'31	
retrograde	1179 May 20 j 01:02	21°♒09'28		evening set	1180 May 01 j 22:21	0°♒57'23	
evening set	1179 May 23 j 06:57	20°♒46'18		desc. node	1180 May 04 j 18:20	0°♒11'28	
min. Earth dist.	1179 May 31 j 03:53	17°♒19'08	0.55402 AU		1180 May 05 j 06:37	30°♋♒	
inferior conj	1179 Jun 01 j 13:01	16°♒31'40	-3°36'02	inferior conj	1180 May 11 j 07:27	26°♒58'02	-1°52'22
minimum elong	1179 Jun 01 j 05:23	16°♒42'38	3°34'05	minimum elong	1180 May 11 j 02:13	27°♒05'23	1°50'34
morning rise	1179 Jun 10 j 06:10	12°♒39'11		min. Earth dist.	1180 May 11 j 16:26	26°♒45'24	0.54937 AU
direct	1179 Jun 13 j 02:27	12°♒20'23		morning rise	1180 May 20 j 06:22	22°♒57'28	
morning max el	1179 Jun 24 j 06:02	17°♒30'37	20°50'22	direct	1180 May 23 j 12:23	22°♒34'34	
	1179 Jul 03 j 21:34	0°♓		morning max el	1180 Jun 05 j 05:39	28°♒37'30	22°23'12
asc. node	1179 Jul 07 j 00:26	5°♓24'24			1180 Jun 06 j 15:20	0°♒	
morning set	1179 Jul 13 j 14:01	18°♓15'51		asc. node	1180 Jun 22 j 21:29	24°♒46'06	
	1179 Jul 19 j 05:42	0°♓			1180 Jun 25 j 12:00	0°♓	
superior conj	1179 Jul 21 j 01:58	3°♓48'09	1°43'47	morning set	1180 Jun 27 j 00:11	3°♓07'22	
minimum elong	1179 Jul 21 j 00:48	3°♓42'09	1°43'44	superior conj	1180 Jul 04 j 04:41	18°♓22'27	1°34'52
max. Earth dist.	1179 Jul 25 j 15:56	13°♓00'41	1.35783 AU	minimum elong	1180 Jul 04 j 02:35	18°♓11'24	1°34'39
evening rise	1179 Jul 29 j 18:55	20°♓55'20		max. Earth dist.	1180 Jul 07 j 08:45	25°♓00'04	1.34313 AU
	1179 Aug 03 j 19:09	0°♐			1180 Jul 09 j 19:40	0°♓	
desc. node	1179 Aug 14 j 20:40	18°♐02'53		evening rise	1180 Jul 12 j 02:46	4°♓32'45	
	1179 Aug 23 j 06:42	0°♐			1180 Jul 26 j 13:09	0°♐	
evening max el	1179 Sep 03 j 09:24	12°♐55'47	26°21'43				

desc. node	1180 Jul 31 j 17:42	7° $\mathbb{M}$ 51'15		superior conj	1181 Jun 18 j 12:28	3° $\mathbb{E}$ 12'01	1°20'43
evening max el	1180 Aug 15 j 21:25	26° $\mathbb{M}$ 25'34	27°06'47	minimum elong	1181 Jun 18 j 10:02	2° $\mathbb{E}$ 58'51	1°20'23
	1180 Aug 20 j 01:40	0° $\mathbb{E}$		max. Earth dist.	1181 Jun 20 j 10:53	7° $\mathbb{E}$ 21'43	1.33240 AU
retrograde	1180 Aug 29 j 04:43	3° $\mathbb{E}$ 44'07		evening rise	1181 Jun 25 j 21:47	18° $\mathbb{E}$ 43'51	
evening set	1180 Sep 05 j 02:29	0° $\mathbb{E}$ 59'26			1181 Jul 01 j 17:25	0° $\mathbb{M}$	
	1180 Sep 06 j 06:11	30° $\mathbb{R}$ $\mathbb{M}$		desc. node	1181 Jul 18 j 14:42	27° $\mathbb{M}$ 05'49	
min. Earth dist.	1180 Sep 08 j 22:56	27° $\mathbb{M}$ 14'29	0.65147 AU		1181 Jul 20 j 19:33	0° $\mathbb{M}$	
inferior conj	1180 Sep 11 j 00:27	24° $\mathbb{M}$ 54'57	-2°33'12	evening max el	1181 Jul 29 j 08:24	9° $\mathbb{M}$ 36'41	27°25'36
minimum elong	1180 Sep 11 j 04:25	24° $\mathbb{M}$ 43'45	2°31'44	retrograde	1181 Aug 11 j 23:59	16° $\mathbb{M}$ 55'06	
morning rise	1180 Sep 17 j 07:08	19° $\mathbb{M}$ 20'21		evening set	1181 Aug 19 j 04:21	14° $\mathbb{M}$ 16'07	
asc. node	1180 Sep 18 j 20:40	18° $\mathbb{M}$ 47'40		min. Earth dist.	1181 Aug 22 j 19:44	11° $\mathbb{M}$ 04'30	0.63623 AU
direct	1180 Sep 20 j 00:40	18° $\mathbb{M}$ 40'19		inferior conj	1181 Aug 25 j 10:00	8° $\mathbb{M}$ 25'54	-3°27'16
morning max el	1180 Sep 26 j 13:15	22° $\mathbb{M}$ 11'18	18°09'22	minimum elong	1181 Aug 25 j 14:58	8° $\mathbb{M}$ 13'12	3°25'47
	1180 Oct 02 j 16:00	0° $\mathbb{E}$		morning rise	1181 Sep 01 j 02:43	3° $\mathbb{M}$ 07'49	
morning set	1180 Oct 14 j 20:56	19° $\mathbb{E}$ 41'13		direct	1181 Sep 03 j 15:32	2° $\mathbb{M}$ 36'27	
	1180 Oct 21 j 03:36	0° $\mathbb{M}$		asc. node	1181 Sep 05 j 17:43	2° $\mathbb{M}$ 58'10	
desc. node	1180 Oct 27 j 16:57	10° $\mathbb{M}$ 33'53		morning max el	1181 Sep 10 j 05:16	6° $\mathbb{M}$ 02'11	17°53'25
					1181 Sep 25 j 21:49	0° $\mathbb{E}$	
superior conj	1180 Oct 29 j 05:54	13° $\mathbb{M}$ 00'55	-0°10'16	morning set	1181 Sep 26 j 21:54	1° $\mathbb{E}$ 44'29	
minimum elong	1180 Oct 29 j 04:35	12° $\mathbb{M}$ 55'44	0°10'04				
behind sun begin	1180 Oct 28 j 19:58	12° $\mathbb{M}$ 21'29		superior conj	1181 Oct 09 j 05:53	22° $\mathbb{E}$ 40'25	0°35'25
behind sun end	1180 Oct 29 j 13:12	13° $\mathbb{M}$ 29'58		minimum elong	1181 Oct 09 j 09:28	22° $\mathbb{E}$ 55'10	0°34'55
max. Earth dist.	1180 Nov 01 j 12:34	18° $\mathbb{M}$ 12'03	1.44932 AU		1181 Oct 13 j 17:51	0° $\mathbb{M}$	
	1180 Nov 09 j 01:24	0° $\mathbb{E}$		desc. node	1181 Oct 14 j 14:00	1° $\mathbb{M}$ 21'01	
evening rise	1180 Nov 14 j 16:36	8° $\mathbb{E}$ 45'26		max. Earth dist.	1181 Oct 15 j 05:44	2° $\mathbb{M}$ 24'02	1.44095 AU
greatest brilliancy	1180 Nov 27 j 10:53	28° $\mathbb{E}$ 22'32	-0.7m	evening rise	1181 Oct 25 j 01:13	17° $\mathbb{M}$ 47'15	
	1180 Nov 28 j 12:56	0° $\mathbb{E}$			1181 Nov 02 j 01:43	0° $\mathbb{E}$	
evening max el	1180 Dec 09 j 14:08	14° $\mathbb{E}$ 39'17	19°40'49	evening max el	1181 Nov 22 j 15:53	28° $\mathbb{E}$ 08'56	20°43'04
asc. node	1180 Dec 15 j 19:56	18° $\mathbb{E}$ 49'17			1181 Nov 24 j 14:40	0° $\mathbb{E}$	
retrograde	1180 Dec 16 j 23:21	18° $\mathbb{E}$ 56'33		retrograde	1181 Nov 30 j 21:04	3° $\mathbb{E}$ 00'18	
evening set	1180 Dec 20 j 12:06	17° $\mathbb{E}$ 43'34		asc. node	1181 Dec 02 j 16:57	2° $\mathbb{E}$ 41'29	
inferior conj	1180 Dec 26 j 00:01	11° $\mathbb{E}$ 45'35	2°58'26	evening set	1181 Dec 04 j 19:03	1° $\mathbb{E}$ 32'24	
minimum elong	1180 Dec 25 j 21:20	11° $\mathbb{E}$ 54'22	2°57'47		1181 Dec 06 j 11:53	30° $\mathbb{R}$ $\mathbb{E}$	
min. Earth dist.	1180 Dec 27 j 01:57	10° $\mathbb{E}$ 20'11	0.66588 AU	inferior conj	1181 Dec 10 j 04:23	25° $\mathbb{E}$ 22'50	2°21'11
morning rise	1180 Dec 31 j 06:21	5° $\mathbb{E}$ 32'53		minimum elong	1181 Dec 10 j 01:48	25° $\mathbb{E}$ 31'39	2°20'20
direct	1181 Jan 06 j 08:34	2° $\mathbb{E}$ 50'16		min. Earth dist.	1181 Dec 10 j 17:35	24° $\mathbb{E}$ 37'47	0.67334 AU
morning max el	1181 Jan 18 j 13:19	10° $\mathbb{E}$ 05'39	25°37'16	morning rise	1181 Dec 15 j 08:23	19° $\mathbb{E}$ 09'36	
desc. node	1181 Jan 23 j 16:07	15° $\mathbb{E}$ 46'16		direct	1181 Dec 20 j 20:03	16° $\mathbb{E}$ 44'35	
	1181 Feb 03 j 08:30	0° $\mathbb{E}$		morning max el	1181 Dec 31 j 21:33	23° $\mathbb{E}$ 20'26	24°12'56
	1181 Feb 21 j 22:19	0° $\mathbb{E}$			1182 Jan 06 j 19:06	0° $\mathbb{E}$	
morning set	1181 Feb 23 j 19:37	3° $\mathbb{E}$ 24'31		desc. node	1182 Jan 10 j 13:10	4° $\mathbb{E}$ 47'26	
max. Earth dist.	1181 Feb 27 j 14:07	10° $\mathbb{E}$ 25'50	1.36030 AU		1182 Jan 27 j 17:53	0° $\mathbb{E}$	
				morning set	1182 Feb 05 j 17:09	14° $\mathbb{E}$ 55'10	
superior conj	1181 Mar 05 j 06:40	21° $\mathbb{E}$ 32'35	-1°19'56	max. Earth dist.	1182 Feb 09 j 10:26	21° $\mathbb{E}$ 29'18	1.38015 AU
minimum elong	1181 Mar 05 j 10:25	21° $\mathbb{E}$ 51'24	1°19'22		1182 Feb 14 j 01:38	0° $\mathbb{E}$	
	1181 Mar 09 j 10:46	0° $\mathbb{E}$					
evening rise	1181 Mar 13 j 07:45	7° $\mathbb{E}$ 55'13		superior conj	1182 Feb 16 j 11:50	4° $\mathbb{E}$ 35'51	-1°42'38
asc. node	1181 Mar 13 j 19:16	8° $\mathbb{E}$ 53'41		minimum elong	1182 Feb 16 j 15:56	4° $\mathbb{E}$ 55'27	1°42'12
	1181 Mar 25 j 12:58	0° $\mathbb{E}$		evening rise	1182 Feb 25 j 06:57	21° $\mathbb{E}$ 50'06	
evening max el	1181 Mar 31 j 01:44	6° $\mathbb{E}$ 41'37	19°58'48	asc. node	1182 Feb 28 j 16:17	28° $\mathbb{E}$ 26'19	
retrograde	1181 Apr 10 j 06:40	11° $\mathbb{E}$ 36'32			1182 Mar 01 j 11:59	0° $\mathbb{E}$	
evening set	1181 Apr 12 j 07:54	11° $\mathbb{E}$ 25'30		evening max el	1182 Mar 13 j 21:33	18° $\mathbb{E}$ 41'12	19°02'01
inferior conj	1181 Apr 21 j 05:25	7° $\mathbb{E}$ 25'42	0°07'08	retrograde	1182 Mar 22 j 11:45	22° $\mathbb{E}$ 50'37	
minimum elong	1181 Apr 21 j 05:45	7° $\mathbb{E}$ 25'13	0°07'02	evening set	1182 Mar 24 j 16:43	22° $\mathbb{E}$ 35'19	
transit middle	1181 Apr 21 j 05:45	7° $\mathbb{E}$ 25'13	0°07'02	inferior conj	1182 Apr 01 j 19:23	18° $\mathbb{E}$ 21'13	1°49'44
transit begin	1181 Apr 21 j 02:10	7° $\mathbb{E}$ 30'38		minimum elong	1182 Apr 01 j 23:11	18° $\mathbb{E}$ 14'35	1°48'34
transit end	1181 Apr 21 j 09:19	7° $\mathbb{E}$ 19'47		min. Earth dist.	1182 Apr 04 j 21:46	16° $\mathbb{E}$ 12'32	0.56798 AU
desc. node	1181 Apr 21 j 15:19	7° $\mathbb{E}$ 10'40		desc. node	1182 Apr 08 j 12:21	14° $\mathbb{E}$ 04'04	
min. Earth dist.	1181 Apr 23 j 06:15	6° $\mathbb{E}$ 11'52	0.55438 AU	morning rise	1182 Apr 10 j 02:38	13° $\mathbb{E}$ 21'04	
morning rise	1181 Apr 30 j 01:28	2° $\mathbb{E}$ 59'08		direct	1182 Apr 15 j 05:51	12° $\mathbb{E}$ 18'54	
direct	1181 May 04 j 02:53	2° $\mathbb{E}$ 22'53		morning max el	1182 Apr 29 j 12:19	19° $\mathbb{E}$ 41'07	25°41'08
morning max el	1181 May 17 j 21:47	9° $\mathbb{E}$ 12'58	24°04'40		1182 May 08 j 06:26	0° $\mathbb{E}$	
	1181 Jun 02 j 04:50	0° $\mathbb{E}$			1182 May 25 j 12:59	0° $\mathbb{E}$	
asc. node	1181 Jun 09 j 18:32	14° $\mathbb{E}$ 28'43		morning set	1182 May 26 j 23:34	3° $\mathbb{E}$ 00'35	
morning set	1181 Jun 11 j 11:56	18° $\mathbb{E}$ 04'23		asc. node	1182 May 27 j 15:34	4° $\mathbb{E}$ 25'15	
	1181 Jun 17 j 01:01	0° $\mathbb{E}$					
				superior conj	1182 Jun 02 j 23:09	18° $\mathbb{E}$ 08'40	1°02'21

minimum elong	1182 Jun 02 j 20:52	17° $\Pi$ 56'11	1°01'57	minimum elong	1183 May 18 j 09:14	2° $\Pi$ 57'11	0°40'12
max. Earth dist.	1182 Jun 03 j 19:53	20° $\Pi$ 02'10	1.32558 AU	max. Earth dist.	1183 May 18 j 08:13	2° $\Pi$ 51'35	1.32258 AU
	1182 Jun 08 j 10:52	0° $\mathfrak{S}$		evening rise	1183 May 25 j 08:28	18° $\Pi$ 03'50	
evening rise	1182 Jun 10 j 00:33	3° $\mathfrak{S}$ 17'01			1183 May 31 j 06:46	0° $\mathfrak{S}$	
	1182 Jun 24 j 12:29	0° $\Omega$			1183 Jun 19 j 18:27	0° $\Omega$	
desc. node	1182 Jul 05 j 11:41	15° $\Omega$ 31'38		desc. node	1183 Jun 22 j 08:41	2° $\Omega$ 48'21	
evening max el	1182 Jul 11 j 15:50	22° $\Omega$ 14'38	27°12'59	evening max el	1183 Jun 23 j 17:00	4° $\Omega$ 08'00	26°27'10
retrograde	1182 Jul 25 j 12:19	29° $\Omega$ 30'03		retrograde	1183 Jul 07 j 16:39	11° $\Omega$ 20'52	
evening set	1182 Aug 01 j 15:25	27° $\Omega$ 09'36		evening set	1183 Jul 14 j 07:04	9° $\Omega$ 31'41	
min. Earth dist.	1182 Aug 05 j 05:59	24° $\Omega$ 23'02	0.61783 AU	min. Earth dist.	1183 Jul 18 j 06:06	6° $\Omega$ 55'17	0.59739 AU
inferior conj	1182 Aug 08 j 07:39	21° $\Omega$ 36'54	-4°13'48	inferior conj	1183 Jul 21 j 13:52	4° $\Omega$ 18'32	-4°45'32
minimum elong	1182 Aug 08 j 12:33	21° $\Omega$ 25'49	4°12'48	minimum elong	1183 Jul 21 j 16:44	4° $\Omega$ 12'51	4°45'16
morning rise	1182 Aug 15 j 11:11	16° $\Omega$ 38'49			1183 Jul 28 j 08:15	30° $\mathfrak{R}$ $\mathfrak{S}$	
direct	1182 Aug 17 j 21:59	16° $\Omega$ 13'14		morning rise	1183 Jul 29 j 04:28	29° $\mathfrak{S}$ 43'06	
asc. node	1182 Aug 23 j 14:46	18° $\Omega$ 35'59		direct	1183 Jul 31 j 15:38	29° $\mathfrak{S}$ 21'15	
morning max el	1182 Aug 24 j 20:01	19° $\Omega$ 41'51	17°55'52		1183 Aug 03 j 20:17	0° $\Omega$	
	1182 Sep 01 j 10:16	0° $\mathfrak{M}$		morning max el	1183 Aug 08 j 06:27	3° $\Omega$ 02'18	18°17'53
morning set	1182 Sep 09 j 18:40	14° $\mathfrak{M}$ 44'24		asc. node	1183 Aug 10 j 11:49	5° $\Omega$ 26'47	
	1182 Sep 18 j 06:33	0° $\mathfrak{L}$		morning set	1183 Aug 24 j 05:42	28° $\Omega$ 25'19	
					1183 Aug 25 j 01:36	0° $\mathfrak{M}$	
superior conj	1182 Sep 20 j 09:05	3° $\mathfrak{L}$ 40'19	1°10'21	superior conj	1183 Sep 02 j 13:02	15° $\mathfrak{M}$ 53'30	1°32'49
minimum elong	1182 Sep 20 j 13:48	4° $\mathfrak{L}$ 00'43	1°09'48	minimum elong	1183 Sep 02 j 16:27	16° $\mathfrak{M}$ 09'08	1°32'32
max. Earth dist.	1182 Sep 27 j 19:00	16° $\mathfrak{L}$ 10'26	1.42649 AU	max. Earth dist.	1183 Sep 10 j 02:38	29° $\mathfrak{M}$ 16'04	1.40781 AU
desc. node	1182 Oct 01 j 11:02	22° $\mathfrak{L}$ 07'41			1183 Sep 10 j 12:56	0° $\mathfrak{L}$	
evening rise	1182 Oct 04 j 13:14	27° $\mathfrak{L}$ 02'31		evening rise	1183 Sep 14 j 19:43	7° $\mathfrak{L}$ 09'34	
	1182 Oct 06 j 10:35	0° $\mathfrak{M}$		desc. node	1183 Sep 18 j 08:02	12° $\mathfrak{L}$ 50'34	
	1182 Oct 26 j 21:45	0° $\mathfrak{J}$			1183 Sep 29 j 13:55	0° $\mathfrak{M}$	
evening max el	1182 Nov 05 j 11:56	11° $\mathfrak{J}$ 39'26	21°56'12	evening max el	1183 Oct 19 j 03:05	25° $\mathfrak{M}$ 11'28	23°15'26
retrograde	1182 Nov 14 j 17:38	17° $\mathfrak{J}$ 09'09			1183 Oct 25 j 01:55	0° $\mathfrak{J}$	
evening set	1182 Nov 19 j 02:46	15° $\mathfrak{J}$ 24'44		retrograde	1183 Oct 29 j 11:35	1° $\mathfrak{J}$ 19'33	
asc. node	1182 Nov 19 j 13:59	15° $\mathfrak{J}$ 01'01			1183 Nov 02 j 11:22	30° $\mathfrak{R}$ $\mathfrak{M}$	
inferior conj	1182 Nov 24 j 11:10	9° $\mathfrak{J}$ 06'51	1°36'59	evening set	1183 Nov 03 j 09:36	29° $\mathfrak{M}$ 17'44	
minimum elong	1182 Nov 24 j 09:08	9° $\mathfrak{J}$ 13'52	1°36'12	asc. node	1183 Nov 06 j 11:02	26° $\mathfrak{M}$ 00'58	
min. Earth dist.	1182 Nov 24 j 12:54	9° $\mathfrak{J}$ 00'51	0.67707 AU	inferior conj	1183 Nov 08 j 18:29	22° $\mathfrak{M}$ 55'16	0°47'19
morning rise	1182 Nov 29 j 15:22	2° $\mathfrak{J}$ 54'57		minimum elong	1183 Nov 08 j 17:24	22° $\mathfrak{M}$ 59'02	0°46'51
direct	1182 Dec 04 j 11:51	0° $\mathfrak{J}$ 52'01		min. Earth dist.	1183 Nov 08 j 09:35	23° $\mathfrak{M}$ 25'53	0.67743 AU
morning max el	1182 Dec 14 j 07:36	6° $\mathfrak{J}$ 41'05	22°44'47	morning rise	1183 Nov 14 j 01:08	16° $\mathfrak{M}$ 46'40	
desc. node	1182 Dec 28 j 10:14	24° $\mathfrak{J}$ 23'59		direct	1183 Nov 18 j 07:05	15° $\mathfrak{M}$ 06'33	
	1183 Jan 01 j 07:47	0° $\mathfrak{Z}$		morning max el	1183 Nov 26 j 22:50	20° $\mathfrak{M}$ 09'56	21°21'08
morning set	1183 Jan 17 j 11:46	25° $\mathfrak{Z}$ 05'55			1183 Dec 05 j 03:15	0° $\mathfrak{J}$	
	1183 Jan 20 j 10:24	0° $\approx$		desc. node	1183 Dec 15 j 07:16	14° $\mathfrak{J}$ 25'23	
max. Earth dist.	1183 Jan 22 j 06:26	3° $\approx$ 06'54	1.40157 AU		1183 Dec 25 j 13:31	0° $\mathfrak{Z}$	
				morning set	1183 Dec 28 j 01:36	3° $\mathfrak{Z}$ 55'21	
superior conj	1183 Jan 30 j 00:59	16° $\approx$ 49'48	-1°58'37	max. Earth dist.	1184 Jan 04 j 07:47	15° $\mathfrak{Z}$ 36'13	1.42172 AU
minimum elong	1183 Jan 30 j 03:51	17° $\approx$ 02'53	1°58'29				
	1183 Feb 06 j 02:46	0° $\mathfrak{H}$		superior conj	1184 Jan 11 j 16:41	28° $\mathfrak{Z}$ 00'21	-2°03'40
evening rise	1183 Feb 08 j 20:47	5° $\mathfrak{H}$ 13'22		minimum elong	1184 Jan 11 j 16:01	27° $\mathfrak{Z}$ 57'29	2°03'40
asc. node	1183 Feb 15 j 13:19	17° $\mathfrak{H}$ 36'49			1184 Jan 12 j 20:21	0° $\approx$	
	1183 Feb 23 j 21:28	0° $\mathfrak{Y}$		evening rise	1184 Jan 22 j 21:27	17° $\approx$ 55'17	
evening max el	1183 Feb 25 j 02:01	1° $\mathfrak{Y}$ 14'22	18°25'21		1184 Jan 29 j 15:16	0° $\mathfrak{H}$	
retrograde	1183 Mar 04 j 12:07	4° $\mathfrak{Y}$ 54'04		asc. node	1184 Feb 02 j 10:21	6° $\mathfrak{H}$ 16'56	
evening set	1183 Mar 06 j 22:40	4° $\mathfrak{Y}$ 31'29		evening max el	1184 Feb 08 j 11:57	14° $\mathfrak{H}$ 11'27	18°08'40
inferior conj	1183 Mar 14 j 06:34	29° $\mathfrak{H}$ 57'19	2°59'01	retrograde	1184 Feb 15 j 05:34	17° $\mathfrak{H}$ 37'19	
minimum elong	1183 Mar 14 j 10:22	29° $\mathfrak{H}$ 49'33	2°58'12	evening set	1184 Feb 17 j 21:17	17° $\mathfrak{H}$ 05'41	
	1183 Mar 14 j 05:16	30° $\mathfrak{R}$ $\mathfrak{H}$		inferior conj	1184 Feb 24 j 13:40	12° $\mathfrak{H}$ 10'41	3°35'35
min. Earth dist.	1183 Mar 17 j 17:04	27° $\mathfrak{H}$ 10'21	0.58718 AU	minimum elong	1184 Feb 24 j 15:38	12° $\mathfrak{H}$ 06'02	3°35'22
morning rise	1183 Mar 21 j 19:25	24° $\mathfrak{H}$ 27'44		min. Earth dist.	1184 Feb 27 j 18:56	9° $\mathfrak{H}$ 09'21	0.60846 AU
desc. node	1183 Mar 26 j 09:23	22° $\mathfrak{H}$ 56'04		morning rise	1184 Mar 02 j 08:11	6° $\mathfrak{H}$ 21'19	
direct	1183 Mar 27 j 22:16	22° $\mathfrak{H}$ 49'53		direct	1184 Mar 09 j 02:20	4° $\mathfrak{H}$ 07'22	
	1183 Apr 10 j 18:02	0° $\mathfrak{Y}$		desc. node	1184 Mar 12 j 06:25	4° $\mathfrak{H}$ 34'55	
morning max el	1183 Apr 11 j 06:59	0° $\mathfrak{Y}$ 31'13	26°56'57	morning max el	1184 Mar 23 j 07:55	11° $\mathfrak{H}$ 59'16	27°40'24
	1183 May 02 j 05:43	0° $\mathfrak{B}$			1184 Apr 06 j 12:44	0° $\mathfrak{Y}$	
morning set	1183 May 11 j 09:29	17° $\mathfrak{B}$ 50'33			1184 Apr 23 j 10:58	0° $\mathfrak{B}$	
asc. node	1183 May 14 j 12:37	24° $\mathfrak{B}$ 30'46		morning set	1184 Apr 24 j 15:49	2° $\mathfrak{B}$ 27'28	
	1183 May 17 j 01:00	0° $\Pi$		asc. node	1184 Apr 30 j 09:40	14° $\mathfrak{B}$ 40'20	
				max. Earth dist.	1184 Apr 30 j 19:55	15° $\mathfrak{B}$ 36'11	1.32332 AU
superior conj	1183 May 18 j 10:55	3° $\Pi$ 06'26	0°40'31				

superior conj	1184 May 01 j 22:04	17°♄59'06	0°16'00	morning set	1185 Apr 08 j 16:23	16°♄44'07	
minimum elong	1184 May 01 j 21:20	17°♄55'07	0°15'51	max. Earth dist.	1185 Apr 14 j 03:07	28°♄03'04	1.32801 AU
	1184 May 07 j 10:15	0°♂			1185 Apr 15 j 00:59	0°♄	
evening rise	1184 May 08 j 19:18	2°♂56'25					
	1184 May 23 j 09:17	0°♄		superior conj	1185 Apr 16 j 06:52	2°♄40'57	-0°10'29
evening max el	1184 Jun 04 j 11:05	15°♄15'32	25°12'34	minimum elong	1185 Apr 16 j 07:23	2°♄43'41	0°10'23
desc. node	1184 Jun 08 j 05:42	18°♄27'57		behind sun begin	1185 Apr 16 j 03:23	2°♄22'09	
retrograde	1184 Jun 18 j 11:24	22°♄23'35		behind sun end	1185 Apr 16 j 11:22	3°♄05'13	
evening set	1184 Jun 23 j 23:33	21°♄13'24		asc. node	1185 Apr 17 j 06:43	4°♄49'56	
min. Earth dist.	1184 Jun 28 j 22:50	18°♄28'31	0.57718 AU	evening rise	1185 Apr 23 j 07:09	17°♄48'27	
inferior conj	1184 Jul 02 j 01:17	16°♄21'33	-4°51'16		1185 Apr 29 j 07:47	0°♂	
minimum elong	1184 Jul 01 j 23:48	16°♄24'06	4°51'12	evening max el	1185 May 17 j 01:17	25°♂52'25	23°40'15
morning rise	1184 Jul 10 j 02:41	12°♄08'23			1185 May 22 j 05:01	0°♄	
direct	1184 Jul 12 j 16:05	11°♄48'53		desc. node	1185 May 26 j 02:43	1°♄55'09	
morning max el	1184 Jul 21 j 09:30	15°♄54'29	19°00'38	retrograde	1185 May 30 j 17:59	2°♄43'59	
asc. node	1184 Jul 27 j 08:54	23°♄15'32		evening set	1185 Jun 03 j 18:51	2°♄08'07	
	1184 Jul 31 j 11:18	0°♂			1185 Jun 08 j 17:39	30°♄♂	
morning set	1184 Aug 07 j 02:49	12°♂36'10		min. Earth dist.	1185 Jun 10 j 11:52	28°♂59'42	0.56056 AU
				inferior conj	1185 Jun 12 j 16:34	27°♂40'21	-4°17'15
superior conj	1184 Aug 15 j 12:07	29°♂04'03	1°44'03	minimum elong	1185 Jun 12 j 10:12	27°♂49'58	4°16'06
minimum elong	1184 Aug 15 j 13:32	29°♂10'53	1°44'00	morning rise	1185 Jun 21 j 04:15	23°♂43'25	
	1184 Aug 15 j 23:48	0°♂		direct	1185 Jun 23 j 21:22	23°♂24'54	
max. Earth dist.	1184 Aug 22 j 06:07	11°♂37'46	1.38739 AU	morning max el	1185 Jul 04 j 02:23	28°♂08'37	20°04'31
evening rise	1184 Aug 26 j 02:38	18°♂25'26			1185 Jul 05 j 22:32	0°♄	
	1184 Sep 02 j 01:18	0°♂		asc. node	1185 Jul 14 j 05:57	11°♄48'42	
desc. node	1184 Sep 04 j 05:04	3°♂25'53		morning set	1185 Jul 22 j 06:49	27°♄07'56	
	1184 Sep 22 j 21:12	0°♂			1185 Jul 23 j 16:36	0°♂	
evening max el	1184 Sep 30 j 15:31	8°♂47'38	24°34'41				
retrograde	1184 Oct 12 j 01:52	15°♂28'13		superior conj	1185 Jul 30 j 01:00	12°♂56'08	1°46'05
evening set	1184 Oct 17 j 13:54	13°♂09'34		minimum elong	1185 Jul 30 j 00:38	12°♂54'16	1°46'04
min. Earth dist.	1184 Oct 22 j 05:16	7°♂51'16	0.67452 AU	max. Earth dist.	1185 Aug 04 j 10:55	23°♂31'55	1.36786 AU
inferior conj	1184 Oct 23 j 00:37	6°♂46'39	-0°06'26		1185 Aug 07 j 22:06	0°♂	
minimum elong	1184 Oct 23 j 00:47	6°♂46'07	0°06'22	evening rise	1185 Aug 08 j 08:08	0°♂45'46	
transit middle	1184 Oct 23 j 00:47	6°♂46'07	0°06'22	desc. node	1185 Aug 22 j 02:06	23°♂48'14	
transit begin	1184 Oct 22 j 22:15	6°♂54'34			1185 Aug 26 j 05:14	0°♂	
transit end	1184 Oct 23 j 03:18	6°♂37'42		evening max el	1185 Sep 13 j 03:22	22°♂26'38	25°46'44
asc. node	1184 Oct 23 j 08:05	6°♂21'46		retrograde	1185 Sep 25 j 11:26	29°♂29'33	
morning rise	1184 Oct 28 j 11:44	0°♂43'43		evening set	1185 Oct 01 j 13:51	26°♂56'24	
	1184 Oct 29 j 17:03	30°♂♂		min. Earth dist.	1185 Oct 05 j 21:29	22°♂13'37	0.66833 AU
direct	1184 Nov 01 j 04:46	29°♂24'40		inferior conj	1185 Oct 07 j 03:46	20°♂37'28	-1°02'55
	1184 Nov 03 j 19:23	0°♂		minimum elong	1185 Oct 07 j 05:23	20°♂32'19	1°02'13
morning max el	1184 Nov 08 j 21:30	3°♂49'35	20°08'08	asc. node	1185 Oct 10 j 05:09	16°♂59'08	
	1184 Nov 28 j 01:15	0°♂		morning rise	1185 Oct 12 j 21:11	14°♂43'00	
desc. node	1184 Dec 01 j 04:19	4°♂45'10		direct	1185 Oct 16 j 03:20	13°♂41'53	
morning set	1184 Dec 05 j 22:20	12°♂03'04		morning max el	1185 Oct 23 j 03:38	17°♂38'08	19°09'19
max. Earth dist.	1184 Dec 16 j 16:33	28°♂57'11	1.43791 AU		1185 Nov 01 j 15:39	0°♂	
	1184 Dec 17 j 08:14	0°♄		morning set	1185 Nov 15 j 02:35	20°♂41'15	
				desc. node	1185 Nov 18 j 01:22	25°♂17'31	
superior conj	1184 Dec 22 j 06:32	7°♄59'25	-1°52'54		1185 Nov 21 j 01:40	0°♂	
minimum elong	1184 Dec 22 j 00:39	7°♄35'20	1°52'33	max. Earth dist.	1185 Nov 29 j 07:48	12°♂57'11	1.44808 AU
evening rise	1185 Jan 04 j 04:45	29°♄48'05					
	1185 Jan 04 j 07:31	0°♂		superior conj	1185 Dec 01 j 19:29	16°♂52'56	-1°23'22
asc. node	1185 Jan 19 j 07:24	24°♂17'36		minimum elong	1185 Dec 01 j 10:50	16°♂18'44	1°22'28
evening max el	1185 Jan 22 j 00:22	27°♂24'57	18°11'22		1185 Dec 10 j 00:21	0°♄	
	1185 Jan 25 j 08:13	0°♂		evening rise	1185 Dec 16 j 14:29	10°♄44'37	
retrograde	1185 Jan 28 j 11:44	0°♂50'48			1185 Dec 28 j 10:52	0°♂	
evening set	1185 Jan 31 j 08:22	0°♂08'58		evening max el	1186 Jan 05 j 12:29	10°♂48'02	18°32'38
	1185 Jan 31 j 15:31	30°♂♂		asc. node	1186 Jan 06 j 04:25	11°♂27'07	
inferior conj	1185 Feb 06 j 12:58	24°♂53'54	3°46'18	retrograde	1186 Jan 12 j 02:23	14°♂25'54	
minimum elong	1185 Feb 06 j 12:53	24°♂54'08	3°46'18	evening set	1186 Jan 15 j 04:23	13°♂32'51	
min. Earth dist.	1185 Feb 09 j 05:29	22°♂02'04	0.62883 AU	inferior conj	1186 Jan 21 j 00:27	7°♂59'11	3°38'05
morning rise	1185 Feb 12 j 16:23	18°♂53'04		minimum elong	1186 Jan 20 j 22:50	8°♂03'59	3°37'55
direct	1185 Feb 19 j 15:44	16°♂12'54		min. Earth dist.	1186 Jan 23 j 01:30	5°♂34'30	0.64627 AU
desc. node	1185 Feb 27 j 03:28	18°♂46'57		morning rise	1186 Jan 26 j 16:47	1°♂51'48	
morning max el	1185 Mar 05 j 14:09	24°♂07'40	27°46'44		1186 Jan 29 j 10:59	30°♂♂	
	1185 Mar 10 j 21:34	0°♂		direct	1186 Feb 02 j 12:26	29°♄00'15	
	1185 Mar 30 j 20:31	0°♄			1186 Feb 06 j 21:14	0°♂	

desc. node	1186 Feb 14 j 00:32	4°≈56'55		morning max el	1187 Jan 29 j 08:56	19°351'09	26°20'10
morning max el	1186 Feb 15 j 23:18	6°≈48'51	27°17'54	desc. node	1187 Jan 31 j 21:34	22°331'41	
	1186 Mar 05 j 19:41	0°✕			1187 Feb 07 j 01:51	0°≈	
morning set	1186 Mar 23 j 08:24	0°Υ31'30			1187 Feb 26 j 21:41	0°✕	
	1186 Mar 23 j 01:56	0°Υ		morning set	1187 Mar 06 j 12:02	13°✕37'22	
max. Earth dist.	1186 Mar 28 j 02:00	10°Υ01'03	1.33701 AU	max. Earth dist.	1187 Mar 10 j 13:44	21°✕25'44	1.35058 AU
					1187 Mar 14 j 20:30	0°Υ	
superior conj	1186 Mar 31 j 11:25	17°Υ05'45	-0°37'56	superior conj	1187 Mar 15 j 09:17	1°Υ05'18	-1°05'06
minimum elong	1186 Mar 31 j 13:17	17°Υ15'40	0°37'33	minimum elong	1187 Mar 15 j 12:28	1°Υ21'35	1°04'33
asc. node	1186 Apr 04 j 03:45	24°Υ55'32		asc. node	1187 Mar 22 j 00:46	14°Υ52'05	
	1186 Apr 06 j 13:01	0°8		evening rise	1187 Mar 23 j 02:24	17°Υ04'35	
evening rise	1186 Apr 07 j 18:11	2°833'38			1187 Mar 29 j 16:01	0°8	
	1186 Apr 23 j 04:39	0°II		evening max el	1187 Apr 10 j 20:11	17°826'08	20°40'03
evening max el	1186 Apr 28 j 18:15	6°II27'15	22°05'10	retrograde	1187 Apr 22 j 01:04	22°852'01	
retrograde	1186 May 11 j 12:05	12°II43'24		evening set	1187 Apr 24 j 04:07	22°841'04	
desc. node	1186 May 12 j 23:44	12°II38'26		desc. node	1187 Apr 29 j 20:46	20°839'56	
evening set	1186 May 14 j 06:15	12°II26'33		inferior conj	1187 May 03 j 09:42	18°843'19	-1°01'30
min. Earth dist.	1186 May 22 j 23:56	8°II42'38	0.55090 AU	minimum elong	1187 May 03 j 06:47	18°847'30	1°00'26
inferior conj	1186 May 23 j 15:40	8°II20'34	-2°56'12	min. Earth dist.	1187 May 04 j 12:35	18°804'44	0.55037 AU
minimum elong	1186 May 23 j 08:21	8°II30'51	2°54'00	morning rise	1187 May 12 j 08:45	14°833'59	
morning rise	1186 Jun 01 j 11:58	4°II26'58		direct	1187 May 15 j 21:54	14°806'52	
direct	1186 Jun 04 j 11:42	4°II06'59		morning max el	1187 May 29 j 03:38	20°830'26	23°06'02
morning max el	1186 Jun 16 j 07:52	9°II39'26	21°28'05		1187 Jun 06 j 04:22	0°II	
	1186 Jun 30 j 15:07	0°☾		asc. node	1187 Jun 18 j 00:03	20°II27'12	
asc. node	1186 Jul 01 j 03:01	0°☾55'43		morning set	1187 Jun 21 j 02:22	26°II49'08	
morning set	1186 Jul 06 j 15:20	11°☾54'28			1187 Jun 22 j 14:30	0°☾	
superior conj	1186 Jul 13 j 23:37	27°☾18'03	1°40'42	superior conj	1187 Jun 28 j 04:45	11°☾59'39	1°29'26
minimum elong	1186 Jul 13 j 21:59	27°☾09'34	1°40'36	minimum elong	1187 Jun 28 j 02:27	11°☾47'21	1°29'10
	1186 Jul 15 j 06:54	0°Ω		max. Earth dist.	1187 Jun 30 j 19:53	17°☾34'08	1.33809 AU
max. Earth dist.	1186 Jul 17 j 22:46	5°Ω25'01	1.35114 AU	evening rise	1187 Jul 05 j 20:46	27°☾51'46	
evening rise	1186 Jul 22 j 07:44	13°Ω59'00			1187 Jul 06 j 22:49	0°Ω	
	1186 Jul 31 j 05:39	0°൬			1187 Jul 24 j 10:50	0°൬	
desc. node	1186 Aug 08 j 23:06	13°൬51'24		desc. node	1187 Jul 26 j 20:07	3°൬26'49	
	1186 Aug 21 j 00:24	0°♎		evening max el	1187 Aug 09 j 03:20	19°൬26'04	27°18'19
evening max el	1186 Aug 26 j 15:34	6°♎02'57	26°43'43	retrograde	1187 Aug 22 j 14:18	26°൬44'42	
retrograde	1186 Sep 08 j 15:42	13°♎17'35		evening set	1187 Aug 29 j 15:51	24°൬00'49	
evening set	1186 Sep 15 j 07:21	10°♎34'55		min. Earth dist.	1187 Sep 02 j 09:47	20°൬30'59	0.64544 AU
min. Earth dist.	1186 Sep 19 j 07:45	6°♎29'00	0.65870 AU	inferior conj	1187 Sep 04 j 16:48	18°൬02'15	-2°56'42
inferior conj	1186 Sep 21 j 01:55	4°♎24'13	-2°00'26	minimum elong	1187 Sep 04 j 21:17	17°൬50'07	2°55'12
minimum elong	1186 Sep 21 j 05:04	4°♎14'53	1°59'11	morning rise	1187 Sep 11 j 03:39	12°൬34'28	
	1186 Sep 25 j 05:53	30°൬		direct	1187 Sep 13 j 18:56	11°൬58'26	
morning rise	1186 Sep 27 j 03:20	28°൬41'25		asc. node	1187 Sep 13 j 23:14	11°൬58'36	
asc. node	1186 Sep 27 j 02:12	28°൬42'57		morning max el	1187 Sep 20 j 07:02	15°൬25'51	18°00'28
direct	1186 Sep 30 j 00:52	27°൬54'37			1187 Sep 30 j 15:19	0°♏	
	1186 Oct 04 j 23:09	0°♏		morning set	1187 Oct 07 j 19:22	12°♏01'30	
morning max el	1186 Oct 06 j 15:38	1°♏31'56	18°26'26		1187 Oct 18 j 15:12	0°♏	
	1186 Oct 25 j 22:54	0°♏		superior conj	1187 Oct 21 j 07:07	4°♏18'25	0°10'08
morning set	1186 Oct 26 j 08:42	0°♏39'31		minimum elong	1187 Oct 21 j 08:19	4°♏23'14	0°09'57
desc. node	1186 Nov 04 j 22:24	15°♏58'17		behind sun begin	1187 Oct 20 j 24:00	3°♏49'45	
superior conj	1186 Nov 10 j 20:24	25°♏18'46	-0°38'38	behind sun end	1187 Oct 21 j 16:38	4°♏56'41	
minimum elong	1186 Nov 10 j 15:23	24°♏59'02	0°37'58	desc. node	1187 Oct 22 j 19:26	6°♏44'06	
max. Earth dist.	1186 Nov 12 j 02:41	27°♏17'50	1.45105 AU	max. Earth dist.	1187 Oct 25 j 21:33	11°♏39'00	1.44656 AU
	1186 Nov 13 j 19:59	0°♏		evening rise	1187 Nov 06 j 15:17	29°♏58'12	
evening rise	1186 Nov 27 j 00:42	20°♏43'57			1187 Nov 06 j 15:45	0°♏	
	1186 Dec 02 j 21:48	0°3		greatest brilliancy	1187 Nov 20 j 19:13	21°♏28'16	-0.6m
greatest brilliancy	1186 Dec 07 j 00:37	6°326'37	-0.8m		1187 Nov 26 j 18:36	0°3	
evening max el	1186 Dec 19 j 21:52	24°315'28	19°11'18	evening max el	1187 Dec 03 j 02:40	7°344'36	20°05'40
asc. node	1186 Dec 24 j 01:27	27°331'22		retrograde	1187 Dec 10 j 19:42	12°315'53	
retrograde	1186 Dec 26 j 21:59	28°315'46		asc. node	1187 Dec 10 j 22:29	12°315'49	
evening set	1186 Dec 30 j 06:25	27°310'19		evening set	1187 Dec 14 j 12:09	10°356'38	
inferior conj	1187 Jan 04 j 20:38	21°320'15	3°16'02	inferior conj	1187 Dec 19 j 22:44	4°353'04	2°43'38
minimum elong	1187 Jan 04 j 18:10	21°328'08	3°15'32	minimum elong	1187 Dec 19 j 20:02	5°302'07	2°42'52
min. Earth dist.	1187 Jan 06 j 06:31	19°332'18	0.65988 AU	min. Earth dist.	1187 Dec 20 j 18:58	3°345'09	0.66947 AU
morning rise	1187 Jan 10 j 05:40	15°309'00			1187 Dec 23 j 19:40	30°♏	
direct	1187 Jan 16 j 15:19	12°320'09					

morning rise	1187 Dec 25 j 03:44	28° $\text{♄}$ 39'53		minimum elong	1188 Dec 03 j 01:58	18° $\text{♄}$ 41'49	2°02'22
direct	1187 Dec 30 j 23:48	26° $\text{♄}$ 04'17		min. Earth dist.	1188 Dec 03 j 12:34	18° $\text{♄}$ 05'19	0.67528 AU
	1188 Jan 08 j 09:49	0° $\text{♄}$		morning rise	1188 Dec 08 j 08:08	12° $\text{♄}$ 20'25	
morning max el	1188 Jan 11 j 17:46	3° $\text{♄}$ 04'25	25°02'38	direct	1188 Dec 13 j 13:14	10° $\text{♄}$ 04'29	
desc. node	1188 Jan 18 j 18:37	11° $\text{♄}$ 06'53		morning max el	1188 Dec 24 j 02:26	16° $\text{♄}$ 21'41	23°35'23
	1188 Feb 01 j 06:57	0° $\text{♄}$			1189 Jan 04 j 08:27	0° $\text{♄}$	
morning set	1188 Feb 16 j 22:22	25° $\text{♄}$ 48'10		desc. node	1189 Jan 04 j 15:39	0° $\text{♄}$ 24'27	
	1188 Feb 19 j 06:05	0° $\text{♄}$			1189 Jan 24 j 07:32	0° $\text{♄}$	
max. Earth dist.	1188 Feb 20 j 14:30	2° $\text{♄}$ 29'20	1.36842 AU	morning set	1189 Jan 28 j 09:09	6° $\text{♄}$ 46'37	
				max. Earth dist.	1189 Feb 01 j 09:15	13° $\text{♄}$ 41'23	1.38919 AU
superior conj	1188 Feb 26 j 21:36	14° $\text{♄}$ 32'01	-1°30'09				
minimum elong	1188 Feb 27 j 01:38	14° $\text{♄}$ 51'52	1°29'36	superior conj	1189 Feb 08 j 20:32	27° $\text{♄}$ 15'32	-1°50'28
	1188 Mar 05 j 14:46	0° $\text{♄}$		minimum elong	1189 Feb 09 j 00:21	27° $\text{♄}$ 33'26	1°50'09
evening rise	1188 Mar 06 j 05:41	1° $\text{♄}$ 15'01			1189 Feb 10 j 07:26	0° $\text{♄}$	
asc. node	1188 Mar 07 j 21:47	4° $\text{♄}$ 35'15		evening rise	1189 Feb 18 j 01:17	14° $\text{♄}$ 57'15	
evening max el	1188 Mar 23 j 09:43	29° $\text{♄}$ 03'29	19°32'06	asc. node	1189 Feb 22 j 18:50	23° $\text{♄}$ 59'24	
	1188 Mar 24 j 10:26	0° $\text{♄}$			1189 Feb 26 j 03:38	0° $\text{♄}$	
retrograde	1188 Apr 01 j 21:29	3° $\text{♄}$ 37'55		evening max el	1189 Mar 06 j 09:35	11° $\text{♄}$ 18'35	18°43'58
evening set	1188 Apr 03 j 23:30	3° $\text{♄}$ 25'39		retrograde	1189 Mar 14 j 10:33	15° $\text{♄}$ 13'17	
	1188 Apr 11 j 12:37	30° $\text{♄}$		evening set	1189 Mar 16 j 17:43	14° $\text{♄}$ 55'18	
inferior conj	1188 Apr 12 j 13:22	29° $\text{♄}$ 20'39	0°54'11	inferior conj	1189 Mar 24 j 12:12	10° $\text{♄}$ 33'21	2°23'24
minimum elong	1188 Apr 12 j 15:36	29° $\text{♄}$ 17'03	0°53'24	minimum elong	1189 Mar 24 j 16:21	10° $\text{♄}$ 25'36	2°22'16
min. Earth dist.	1188 Apr 15 j 03:02	27° $\text{♄}$ 42'13	0.55928 AU	min. Earth dist.	1189 Mar 27 j 20:13	8° $\text{♄}$ 05'26	0.57567 AU
desc. node	1188 Apr 15 j 17:46	27° $\text{♄}$ 19'31		morning rise	1189 Apr 01 j 11:54	5° $\text{♄}$ 19'20	
morning rise	1188 Apr 21 j 05:00	24° $\text{♄}$ 39'42		desc. node	1189 Apr 02 j 14:48	4° $\text{♄}$ 51'53	
direct	1188 Apr 25 j 16:46	23° $\text{♄}$ 54'13		direct	1189 Apr 07 j 01:54	4° $\text{♄}$ 02'27	
	1188 May 08 j 16:32	0° $\text{♄}$		morning max el	1189 Apr 21 j 10:22	11° $\text{♄}$ 35'02	26°16'38
morning max el	1188 May 09 j 18:32	1° $\text{♄}$ 00'02	24°47'16		1189 May 05 j 16:33	0° $\text{♄}$	
	1188 May 29 j 18:08	0° $\text{♄}$		morning set	1189 May 20 j 01:24	26° $\text{♄}$ 41'08	
asc. node	1188 Jun 03 j 21:05	10° $\text{♄}$ 16'20		asc. node	1189 May 21 j 18:08	0° $\text{♄}$ 17'32	
morning set	1188 Jun 04 j 14:16	11° $\text{♄}$ 46'30			1189 May 21 j 14:52	0° $\text{♄}$	
superior conj	1188 Jun 11 j 14:01	26° $\text{♄}$ 53'05	1°13'23	superior conj	1189 May 27 j 01:26	11° $\text{♄}$ 51'39	0°53'29
minimum elong	1188 Jun 11 j 11:36	26° $\text{♄}$ 39'53	1°13'01	minimum elong	1189 May 26 j 23:21	11° $\text{♄}$ 40'15	0°53'05
max. Earth dist.	1188 Jun 13 j 01:12	0° $\text{♄}$ 03'55	1.32901 AU	max. Earth dist.	1189 May 27 j 11:53	12° $\text{♄}$ 49'06	1.32381 AU
	1188 Jun 13 j 00:28	0° $\text{♄}$		evening rise	1189 Jun 03 j 00:43	26° $\text{♄}$ 53'34	
evening rise	1188 Jun 18 j 19:25	12° $\text{♄}$ 13'04			1189 Jun 04 j 12:49	0° $\text{♄}$	
	1188 Jun 28 j 03:22	0° $\text{♄}$			1189 Jun 21 j 14:54	0° $\text{♄}$	
desc. node	1188 Jul 12 j 17:07	22° $\text{♄}$ 22'40		desc. node	1189 Jun 29 j 14:07	10° $\text{♄}$ 22'39	
	1188 Jul 19 j 03:42	0° $\text{♄}$		evening max el	1189 Jul 03 j 17:53	14° $\text{♄}$ 44'02	26°57'30
evening max el	1188 Jul 21 j 12:51	2° $\text{♄}$ 23'28	27°24'12	retrograde	1189 Jul 17 j 16:22	21° $\text{♄}$ 59'01	
retrograde	1188 Aug 04 j 06:52	9° $\text{♄}$ 41'29		evening set	1189 Jul 24 j 15:25	19° $\text{♄}$ 50'32	
evening set	1188 Aug 11 j 11:56	7° $\text{♄}$ 08'20		min. Earth dist.	1189 Jul 28 j 08:04	17° $\text{♄}$ 10'14	0.60920 AU
min. Earth dist.	1188 Aug 15 j 02:02	4° $\text{♄}$ 09'03	0.62870 AU	inferior conj	1189 Jul 31 j 13:15	14° $\text{♄}$ 25'36	-4°29'42
inferior conj	1188 Aug 17 j 21:39	1° $\text{♄}$ 25'11	-3°48'19	minimum elong	1189 Jul 31 j 17:34	14° $\text{♄}$ 16'19	4°29'01
minimum elong	1188 Aug 18 j 02:47	1° $\text{♄}$ 12'43	3°47'00	morning rise	1189 Aug 07 j 21:30	9° $\text{♄}$ 36'55	
	1188 Aug 19 j 09:23	30° $\text{♄}$		direct	1189 Aug 10 j 08:00	9° $\text{♄}$ 13'17	
morning rise	1188 Aug 24 j 18:57	26° $\text{♄}$ 15'35		morning max el	1189 Aug 17 j 12:19	12° $\text{♄}$ 46'19	18°02'45
direct	1188 Aug 27 j 06:32	25° $\text{♄}$ 47'07		asc. node	1189 Aug 17 j 17:22	12° $\text{♄}$ 58'44	
asc. node	1188 Aug 30 j 20:18	26° $\text{♄}$ 47'30			1189 Aug 29 j 02:40	0° $\text{♄}$	
morning max el	1188 Sep 02 j 22:56	29° $\text{♄}$ 13'01	17°52'13	morning set	1189 Sep 02 j 08:57	7° $\text{♄}$ 49'52	
	1188 Sep 03 j 17:07	0° $\text{♄}$					
morning set	1188 Sep 19 j 05:27	24° $\text{♄}$ 30'26		superior conj	1189 Sep 12 j 08:56	26° $\text{♄}$ 04'59	1°21'21
	1188 Sep 22 j 08:04	0° $\text{♄}$		minimum elong	1189 Sep 12 j 13:17	26° $\text{♄}$ 24'14	1°20'55
superior conj	1188 Sep 30 j 18:32	14° $\text{♄}$ 31'52	0°51'45		1189 Sep 14 j 14:28	0° $\text{♄}$	
minimum elong	1188 Sep 30 j 23:01	14° $\text{♄}$ 50'42	0°51'11	max. Earth dist.	1189 Sep 19 j 23:22	9° $\text{♄}$ 09'16	1.41890 AU
max. Earth dist.	1188 Oct 07 j 12:56	25° $\text{♄}$ 40'34	1.43534 AU	evening rise	1189 Sep 25 j 17:35	18° $\text{♄}$ 33'32	
desc. node	1188 Oct 08 j 16:26	27° $\text{♄}$ 31'17		desc. node	1189 Sep 25 j 13:28	18° $\text{♄}$ 17'04	
	1188 Oct 10 j 05:39	0° $\text{♄}$			1189 Oct 03 j 01:36	0° $\text{♄}$	
evening rise	1188 Oct 15 j 23:00	8° $\text{♄}$ 59'18		evening max el	1189 Oct 24 j 13:09	0° $\text{♄}$	
	1188 Oct 29 j 21:47	0° $\text{♄}$		retrograde	1189 Oct 28 j 19:40	4° $\text{♄}$ 45'01	22°29'33
evening max el	1188 Nov 15 j 01:50	21° $\text{♄}$ 13'52	21°13'07	retrograde	1189 Nov 07 j 12:50	10° $\text{♄}$ 31'28	
retrograde	1188 Nov 23 j 17:15	26° $\text{♄}$ 21'56		evening set	1189 Nov 12 j 03:10	8° $\text{♄}$ 39'58	
asc. node	1188 Nov 26 j 19:32	25° $\text{♄}$ 28'22		asc. node	1189 Nov 13 j 16:35	7° $\text{♄}$ 10'50	
evening set	1188 Nov 27 j 19:38	24° $\text{♄}$ 47'16		inferior conj	1189 Nov 17 j 11:37	2° $\text{♄}$ 19'46	1°16'30
inferior conj	1188 Dec 03 j 04:22	18° $\text{♄}$ 33'33	2°03'13	minimum elong	1189 Nov 17 j 09:56	2° $\text{♄}$ 25'33	1°15'50
				min. Earth dist.	1189 Nov 17 j 08:51	2° $\text{♄}$ 29'21	0.67762 AU



	1189 Nov 19 j 04:42	30° $\mathbb{M}$		minimum elong	1190 Nov 01 j 18:03	16° $\mathbb{M}$ 11'33	0°24'40
morning rise	1189 Nov 22 j 16:34	26° $\mathbb{M}$ 08'46		morning rise	1190 Nov 07 j 02:57	10° $\mathbb{M}$ 03'06	
direct	1189 Nov 27 j 06:47	24° $\mathbb{M}$ 15'23		direct	1190 Nov 11 j 03:18	8° $\mathbb{M}$ 32'03	
morning max el	1189 Dec 06 j 14:06	29° $\mathbb{M}$ 44'33	22°08'07	morning max el	1190 Nov 19 j 08:16	13° $\mathbb{M}$ 17'26	20°48'30
	1189 Dec 06 j 20:11	0° $\mathbb{A}$			1190 Dec 02 j 08:34	0° $\mathbb{A}$	
desc. node	1189 Dec 22 j 12:42	20° $\mathbb{A}$ 12'30		desc. node	1190 Dec 09 j 09:46	10° $\mathbb{A}$ 22'32	
	1189 Dec 29 j 03:51	0° $\mathbb{B}$		morning set	1190 Dec 18 j 19:11	24° $\mathbb{A}$ 44'23	
morning set	1190 Jan 08 j 15:06	16° $\mathbb{B}$ 20'33			1190 Dec 22 j 03:37	0° $\mathbb{B}$	
max. Earth dist.	1190 Jan 14 j 06:29	25° $\mathbb{B}$ 37'33	1.41046 AU	max. Earth dist.	1190 Dec 27 j 11:25	8° $\mathbb{B}$ 31'44	1.42925 AU
	1190 Jan 16 j 20:26	0° $\approx$					
superior conj	1190 Jan 22 j 01:13	9° $\approx$ 04'03	-2°02'24	superior conj	1191 Jan 03 j 06:21	19° $\mathbb{B}$ 45'10	-2°01'18
minimum elong	1190 Jan 22 j 02:54	9° $\approx$ 11'31	2°02'21	minimum elong	1191 Jan 03 j 03:32	19° $\mathbb{B}$ 33'16	2°01'13
evening rise	1190 Feb 01 j 09:58	28° $\approx$ 03'27		evening rise	1191 Jan 09 j 05:51	0° $\approx$	
	1190 Feb 02 j 10:59	0° $\mathbb{H}$			1191 Jan 15 j 03:46	10° $\approx$ 25'34	
asc. node	1190 Feb 09 j 15:53	12° $\mathbb{H}$ 57'58		asc. node	1191 Jan 26 j 14:40	0° $\mathbb{H}$	
evening max el	1190 Feb 17 j 16:52	24° $\mathbb{H}$ 03'26	18°15'55	evening max el	1191 Jan 27 j 12:56	1° $\mathbb{H}$ 22'45	
retrograde	1190 Feb 24 j 18:23	27° $\mathbb{H}$ 34'59		retrograde	1191 Feb 01 j 04:16	7° $\mathbb{H}$ 08'48	18°07'31
evening set	1190 Feb 27 j 07:20	27° $\mathbb{H}$ 08'37		evening set	1191 Feb 07 j 17:54	10° $\mathbb{H}$ 32'57	
inferior conj	1190 Mar 06 j 08:12	22° $\mathbb{H}$ 25'47	3°18'08	inferior conj	1191 Feb 10 j 11:49	9° $\mathbb{H}$ 56'56	
minimum elong	1190 Mar 06 j 11:20	22° $\mathbb{H}$ 18'58	3°17'36	minimum elong	1191 Feb 16 j 22:43	4° $\mathbb{H}$ 52'59	3°42'49
min. Earth dist.	1190 Mar 09 j 17:55	19° $\mathbb{H}$ 29'33	0.59620 AU	min. Earth dist.	1191 Feb 16 j 23:46	4° $\mathbb{H}$ 50'20	3°42'46
morning rise	1190 Mar 13 j 13:02	16° $\mathbb{H}$ 46'54			1191 Feb 19 j 23:01	1° $\mathbb{H}$ 53'26	0.61736 AU
direct	1190 Mar 19 j 23:52	14° $\mathbb{H}$ 52'50		morning rise	1191 Feb 22 j 01:54	30° $\mathbb{R}$ $\approx$	
desc. node	1190 Mar 20 j 11:52	14° $\mathbb{H}$ 53'30		direct	1191 Feb 23 j 10:21	28° $\approx$ 58'11	
morning max el	1190 Apr 03 j 07:22	22° $\mathbb{H}$ 39'18	27°19'47	desc. node	1191 Mar 02 j 07:56	26° $\approx$ 31'48	
	1190 Apr 09 j 19:44	0° $\mathbb{Y}$			1191 Mar 07 j 08:54	27° $\approx$ 41'37	
	1190 Apr 28 j 16:32	0° $\mathbb{B}$		morning max el	1191 Mar 11 j 07:31	0° $\mathbb{H}$	
morning set	1190 May 04 j 10:01	11° $\mathbb{B}$ 26'23			1191 Mar 16 j 10:44	4° $\mathbb{H}$ 24'55	27°47'46
asc. node	1190 May 08 j 15:10	20° $\mathbb{B}$ 25'22		morning set	1191 Apr 04 j 12:24	0° $\mathbb{Y}$	
max. Earth dist.	1190 May 11 j 00:25	25° $\mathbb{B}$ 38'19	1.32244 AU		1191 Apr 18 j 14:13	25° $\mathbb{Y}$ 55'54	
				max. Earth dist.	1191 Apr 20 j 13:25	0° $\mathbb{B}$	
superior conj	1190 May 11 j 13:09	26° $\mathbb{B}$ 48'16	0°30'26		1191 Apr 24 j 10:54	8° $\mathbb{B}$ 18'18	1.32488 AU
minimum elong	1190 May 11 j 11:50	26° $\mathbb{B}$ 41'02	0°30'09	superior conj	1191 Apr 25 j 23:32	11° $\mathbb{B}$ 37'17	0°05'00
	1190 May 13 j 00:02	0° $\mathbb{I}$		minimum elong	1191 Apr 25 j 23:18	11° $\mathbb{B}$ 36'01	0°04'56
evening rise	1190 May 18 j 10:08	11° $\mathbb{I}$ 44'10		behind sun begin	1191 Apr 25 j 18:25	11° $\mathbb{B}$ 09'23	
	1190 May 27 j 17:50	0° $\mathbb{E}$		behind sun end	1191 Apr 26 j 04:11	12° $\mathbb{B}$ 02'40	
evening max el	1190 Jun 15 j 16:16	26° $\mathbb{E}$ 18'31	25°58'33	asc. node	1191 Apr 26 j 04:11	10° $\mathbb{B}$ 35'42	
desc. node	1190 Jun 16 j 11:09	27° $\mathbb{E}$ 02'31		evening rise	1191 Apr 25 j 12:13	26° $\mathbb{B}$ 37'51	
	1190 Jun 20 j 03:10	0° $\mathbb{Q}$			1191 May 02 j 21:40	0° $\mathbb{I}$	
retrograde	1190 Jun 29 j 16:47	3° $\mathbb{Q}$ 29'17			1191 May 04 j 12:11	0° $\mathbb{I}$	
evening set	1190 Jul 05 j 21:29	1° $\mathbb{Q}$ 56'44		evening max el	1191 May 22 j 00:26	0° $\mathbb{E}$	
	1190 Jul 09 j 05:02	30° $\mathbb{R}$ $\mathbb{E}$			1191 May 28 j 08:07	7° $\mathbb{E}$ 10'23	24°34'32
min. Earth dist.	1190 Jul 10 j 04:51	29° $\mathbb{E}$ 18'44	0.58861 AU	desc. node	1191 May 28 j 08:07	11° $\mathbb{E}$ 50'43	
inferior conj	1190 Jul 13 j 11:53	26° $\mathbb{E}$ 52'29	-4°51'59	retrograde	1191 Jun 03 j 08:09	14° $\mathbb{E}$ 12'44	
minimum elong	1190 Jul 13 j 13:10	26° $\mathbb{E}$ 50'06	4°51'56	evening set	1191 Jun 11 j 06:06	13° $\mathbb{E}$ 18'22	
morning rise	1190 Jul 21 j 07:05	22° $\mathbb{E}$ 26'24		min. Earth dist.	1191 Jun 16 j 04:04	10° $\mathbb{E}$ 25'15	0.56958 AU
direct	1190 Jul 23 j 19:02	22° $\mathbb{E}$ 05'38		inferior conj	1191 Jun 21 j 19:16	8° $\mathbb{E}$ 36'52	-4°42'24
morning max el	1190 Jul 31 j 19:56	25° $\mathbb{E}$ 55'47	18°33'24	minimum elong	1191 Jun 24 j 14:40	8° $\mathbb{E}$ 42'54	4°42'01
	1190 Aug 04 j 09:38	0° $\mathbb{Q}$		morning rise	1191 Jun 24 j 10:56	4° $\mathbb{E}$ 31'46	
asc. node	1190 Aug 04 j 14:25	0° $\mathbb{Q}$ 15'56		direct	1191 Jul 02 j 20:32	4° $\mathbb{E}$ 31'46	
morning set	1190 Aug 17 j 00:46	21° $\mathbb{Q}$ 45'02		morning max el	1191 Jul 05 j 11:35	4° $\mathbb{E}$ 12'42	
	1190 Aug 21 j 07:11	0° $\mathbb{P}$		asc. node	1191 Jul 14 j 18:50	8° $\mathbb{E}$ 32'21	19°25'11
				morning set	1191 Jul 22 j 11:28	18° $\mathbb{E}$ 24'46	
superior conj	1190 Aug 25 j 21:42	8° $\mathbb{P}$ 44'20	1°38'50		1191 Jul 28 j 22:53	0° $\mathbb{Q}$	
minimum elong	1190 Aug 26 j 00:18	8° $\mathbb{P}$ 56'26	1°38'40	morning set	1191 Aug 01 j 01:07	6° $\mathbb{Q}$ 05'41	
max. Earth dist.	1190 Sep 02 j 05:07	21° $\mathbb{P}$ 56'36	1.39925 AU	superior conj	1191 Aug 09 j 03:14	22° $\mathbb{Q}$ 14'05	1°45'56
evening rise	1190 Sep 06 j 10:22	29° $\mathbb{P}$ 09'38		minimum elong	1191 Aug 09 j 03:50	22° $\mathbb{Q}$ 17'04	1°45'54
	1190 Sep 06 j 22:25	0° $\mathbb{L}$			1191 Aug 13 j 04:09	0° $\mathbb{P}$	
desc. node	1190 Sep 12 j 10:30	8° $\mathbb{L}$ 57'18		max. Earth dist.	1191 Aug 15 j 08:47	4° $\mathbb{P}$ 05'14	1.37891 AU
	1190 Sep 26 j 13:19	0° $\mathbb{M}$		evening rise	1191 Aug 15 j 08:47	10° $\mathbb{P}$ 53'35	
evening max el	1190 Oct 11 j 09:34	18° $\mathbb{M}$ 19'16	23°49'37	desc. node	1191 Aug 19 j 03:19	29° $\mathbb{P}$ 27'39	
retrograde	1190 Oct 22 j 05:12	24° $\mathbb{M}$ 41'26			1191 Aug 30 j 07:31	0° $\mathbb{L}$	
evening set	1190 Oct 27 j 09:07	22° $\mathbb{M}$ 32'25			1191 Aug 30 j 15:50	0° $\mathbb{M}$	
asc. node	1190 Oct 31 j 13:38	17° $\mathbb{M}$ 47'41		evening max el	1191 Sep 21 j 23:55	0° $\mathbb{M}$	
min. Earth dist.	1190 Nov 01 j 05:22	16° $\mathbb{M}$ 54'41	0.67664 AU	retrograde	1191 Sep 23 j 21:30	1° $\mathbb{M}$ 56'36	25°06'37
inferior conj	1190 Nov 01 j 18:39	16° $\mathbb{M}$ 09'32	0°24'56	evening set	1191 Oct 05 j 17:25	8° $\mathbb{M}$ 47'36	
				min. Earth dist.	1191 Oct 11 j 11:46	6° $\mathbb{M}$ 22'07	
					1191 Oct 15 j 23:44	1° $\mathbb{M}$ 18'59	0.67235 AU

































































































































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minimum elong	1191 Oct 17 j 00:28	29°♄58'01	0°29'51	minimum elong	1192 Sep 30 j 03:15	13°♄43'11	1°26'22
	1191 Oct 16 j 23:52	30°♄		asc. node	1192 Oct 04 j 07:43	9°♄08'56	
asc. node	1191 Oct 18 j 10:41	28°♄07'58		morning rise	1192 Oct 05 j 21:38	8°♄00'33	
morning rise	1191 Oct 22 j 13:19	24°♄01'06		direct	1192 Oct 08 j 23:44	7°♄06'09	
direct	1191 Oct 26 j 01:28	22°♄50'10		morning max el	1192 Oct 15 j 19:17	10°♄53'23	18°49'05
morning max el	1191 Nov 02 j 10:16	27°♄01'14	19°41'16		1192 Oct 29 j 13:42	0°♄	
	1191 Nov 05 j 02:42	0°♄		morning set	1192 Nov 06 j 05:59	12°♄05'27	
greatest brilliancy	1191 Nov 15 j 20:17	14°♄53'36	-0.7m	desc. node	1192 Nov 12 j 03:51	21°♄24'35	
	1191 Nov 25 j 18:21	0°♄			1192 Nov 17 j 15:03	0°♄	
desc. node	1191 Nov 26 j 06:48	0°♄48'02		max. Earth dist.	1192 Nov 21 j 16:38	6°♄23'10	1.45021 AU
morning set	1191 Nov 27 j 15:58	2°♄56'07					
max. Earth dist.	1191 Dec 09 j 23:40	22°♄12'48	1.44304 AU	superior conj	1192 Nov 22 j 14:19	7°♄48'23	-1°05'42
				minimum elong	1192 Nov 22 j 06:28	7°♄17'33	1°04'46
superior conj	1191 Dec 14 j 08:48	29°♄13'05	-1°42'39		1192 Dec 06 j 13:37	0°♄	
minimum elong	1191 Dec 14 j 01:06	28°♄42'04	1°42'01	evening rise	1192 Dec 08 j 02:08	2°♄27'01	
	1191 Dec 14 j 20:26	0°♄			1192 Dec 25 j 21:11	0°♄	
evening rise	1191 Dec 28 j 02:20	21°♄54'59		evening max el	1192 Dec 29 j 03:55	3°♄51'11	18°46'59
	1192 Jan 01 j 21:02	0°♄		asc. node	1192 Dec 31 j 07:00	5°♄46'15	
asc. node	1192 Jan 14 j 09:59	19°♄02'53		retrograde	1193 Jan 04 j 21:28	7°♄37'47	
evening max el	1192 Jan 15 j 16:46	20°♄26'14	18°18'10	evening set	1193 Jan 08 j 01:55	6°♄39'48	
retrograde	1192 Jan 22 j 04:17	23°♄56'10		inferior conj	1193 Jan 13 j 19:13	0°♄58'51	3°30'11
evening set	1192 Jan 25 j 03:04	23°♄09'41		minimum elong	1193 Jan 13 j 17:09	1°♄05'11	3°29'52
inferior conj	1192 Jan 31 j 03:38	17°♄46'11	3°44'47		1193 Jan 14 j 14:21	30°♄	
minimum elong	1192 Jan 31 j 02:48	17°♄48'29	3°44'45	min. Earth dist.	1193 Jan 15 j 13:43	28°♄48'46	0.65254 AU
min. Earth dist.	1192 Feb 02 j 13:33	15°♄04'22	0.63661 AU	morning rise	1193 Jan 19 j 07:58	24°♄49'15	
morning rise	1192 Feb 06 j 01:49	11°♄41'55		direct	1193 Jan 25 j 23:54	21°♄57'06	
direct	1192 Feb 13 j 00:18	8°♄55'21		morning max el	1193 Feb 08 j 04:30	29°♄40'45	26°56'20
desc. node	1192 Feb 22 j 05:57	12°♄47'45		desc. node	1193 Feb 08 j 03:01	29°♄37'02	
morning max el	1192 Feb 26 j 18:44	16°♄48'51	27°38'38		1193 Feb 08 j 12:07	0°♄	
	1192 Mar 08 j 17:37	0°♄			1193 Mar 02 j 15:20	0°♄	
	1192 Mar 27 j 06:26	0°♄		morning set	1193 Mar 15 j 22:46	23°♄31'53	
morning set	1192 Apr 01 j 11:31	10°♄00'58			1193 Mar 19 j 06:06	0°♄	
max. Earth dist.	1192 Apr 06 j 15:10	20°♄34'27	1.33130 AU	max. Earth dist.	1193 Mar 20 j 09:21	2°♄16'36	1.34217 AU
superior conj	1192 Apr 09 j 06:43	26°♄11'59	-0°22'04	superior conj	1193 Mar 24 j 08:42	10°♄26'16	-0°49'37
minimum elong	1192 Apr 09 j 07:48	26°♄17'46	0°21'50	minimum elong	1193 Mar 24 j 11:09	10°♄39'05	0°49'08
asc. node	1192 Apr 11 j 09:16	0°♄43'47		asc. node	1193 Mar 29 j 06:18	20°♄45'35	
	1192 Apr 11 j 01:09	0°♄		evening rise	1193 Mar 31 j 19:23	26°♄06'17	
evening rise	1192 Apr 16 j 09:21	11°♄27'14			1193 Apr 02 j 16:42	0°♄	
	1192 Apr 25 j 22:16	0°♄		evening max el	1193 Apr 20 j 18:25	28°♄23'05	21°27'12
evening max el	1192 May 08 j 22:17	17°♄41'16	22°59'11		1193 Apr 22 j 13:30	0°♄	
desc. node	1192 May 20 j 05:09	24°♄11'00		retrograde	1193 May 02 j 22:18	4°♄19'18	
retrograde	1192 May 22 j 07:19	24°♄20'57		evening set	1193 May 05 j 07:31	4°♄06'21	
evening set	1192 May 25 j 17:49	23°♄55'01		desc. node	1193 May 07 j 02:10	3°♄40'51	
min. Earth dist.	1192 Jun 02 j 07:22	20°♄33'05	0.55543 AU	inferior conj	1193 May 14 j 17:14	0°♄05'55	-2°09'59
inferior conj	1192 Jun 03 j 22:04	19°♄37'01	-3°48'25	minimum elong	1193 May 14 j 11:18	0°♄14'14	2°07'58
minimum elong	1192 Jun 03 j 14:35	19°♄47'53	3°46'39		1193 May 14 j 21:27	30°♄	
morning rise	1192 Jun 12 j 13:52	15°♄43'58		min. Earth dist.	1193 May 14 j 19:51	0°♄02'15	0.54940 AU
direct	1192 Jun 15 j 09:09	15°♄25'24		morning rise	1193 May 23 j 15:41	26°♄07'43	
morning max el	1192 Jun 26 j 06:57	20°♄28'29	20°37'55	direct	1193 May 26 j 19:46	25°♄45'47	
	1192 Jul 04 j 00:27	0°♄			1193 Jun 06 j 09:04	0°♄	
asc. node	1192 Jul 08 j 08:30	7°♄13'17		morning max el	1193 Jun 08 j 07:58	1°♄41'11	22°08'35
morning set	1192 Jul 15 j 07:17	20°♄44'29		asc. node	1193 Jun 25 j 05:33	26°♄31'20	
	1192 Jul 19 j 18:44	0°♄			1193 Jun 26 j 23:46	0°♄	
				morning set	1193 Jun 29 j 17:04	5°♄34'48	
superior conj	1192 Jul 22 j 20:42	6°♄20'30	1°44'36	superior conj	1193 Jul 06 j 22:25	20°♄51'52	1°36'34
minimum elong	1192 Jul 22 j 19:44	6°♄15'32	1°44'34	minimum elong	1193 Jul 06 j 20:26	20°♄41'24	1°36'24
max. Earth dist.	1192 Jul 27 j 15:51	15°♄55'13	1.36030 AU	max. Earth dist.	1193 Jul 10 j 07:16	27°♄52'15	1.34505 AU
evening rise	1192 Jul 31 j 17:05	23°♄37'52			1193 Jul 11 j 08:20	0°♄	
	1192 Aug 04 j 05:12	0°♄		evening rise	1193 Jul 14 j 22:54	7°♄09'30	
desc. node	1192 Aug 16 j 04:31	19°♄42'46			1193 Jul 27 j 19:44	0°♄	
	1192 Aug 23 j 07:21	0°♄		desc. node	1193 Aug 03 j 01:30	9°♄35'17	
evening max el	1192 Sep 05 j 09:15	15°♄34'53	26°13'12	evening max el	1193 Aug 18 j 21:21	29°♄06'48	27°01'38
retrograde	1192 Sep 18 j 00:57	22°♄44'39			1193 Aug 19 j 20:03	0°♄	
evening set	1192 Sep 24 j 09:17	20°♄06'19		retrograde	1193 Sep 01 j 03:03	6°♄24'40	
min. Earth dist.	1192 Sep 28 j 13:38	15°♄39'20	0.66465 AU				

































































































































evening set	1193 Sep 07 j 23:19	3°♌40'19			1194 Jul 21 j 17:29	0°♍	
	1193 Sep 11 j 17:10	30°♍17		evening max el	1194 Aug 01 j 08:43	12°♍21'36	27°24'41
min. Earth dist.	1193 Sep 11 j 20:48	29°♍49'52	0.65346 AU	retrograde	1194 Aug 14 j 23:09	19°♍39'50	
inferior conj	1193 Sep 13 j 20:21	27°♍34'00	-2°24'38	evening set	1194 Aug 22 j 03:00	16°♍59'18	
minimum elong	1193 Sep 14 j 00:06	27°♍23'14	2°23'14	min. Earth dist.	1194 Aug 25 j 19:00	13°♍43'06	0.63876 AU
morning rise	1193 Sep 20 j 01:37	21°♍57'04		inferior conj	1194 Aug 28 j 07:22	11°♍06'51	-3°19'26
asc. node	1193 Sep 21 j 04:46	21°♍30'04		minimum elong	1194 Aug 28 j 12:15	10°♍54'13	3°17'56
direct	1193 Sep 22 j 20:05	21°♍15'24		morning rise	1194 Sep 03 j 22:32	5°♍46'03	
morning max el	1193 Sep 29 j 09:03	24°♍47'52	18°13'12	direct	1194 Sep 06 j 11:57	5°♍13'31	
	1193 Oct 03 j 16:17	0°♌		asc. node	1194 Sep 08 j 01:49	5°♍26'05	
morning set	1193 Oct 18 j 00:34	22°♌40'18		morning max el	1194 Sep 13 j 00:58	8°♍39'23	17°54'37
	1193 Oct 22 j 12:05	0°♌			1194 Sep 27 j 06:33	0°♌	
desc. node	1193 Oct 30 j 00:51	12°♌07'37		morning set	1194 Sep 29 j 22:00	4°♌33'14	
superior conj	1193 Nov 01 j 16:49	16°♌21'35	-0°17'41	superior conj	1194 Oct 12 j 12:57	25°♌49'18	0°29'05
minimum elong	1193 Nov 01 j 14:32	16°♌12'33	0°17'23	minimum elong	1194 Oct 12 j 16:02	26°♌01'55	0°28'40
max. Earth dist.	1193 Nov 04 j 11:19	20°♌44'03	1.45003 AU		1194 Oct 15 j 02:37	0°♌	
	1193 Nov 10 j 09:12	0°♌		desc. node	1194 Oct 16 j 21:51	2°♌54'02	
evening rise	1193 Nov 18 j 02:55	12°♌03'49		max. Earth dist.	1194 Oct 18 j 05:10	4°♌59'16	1.44264 AU
	1193 Nov 29 j 17:15	0°♌		evening rise	1194 Oct 28 j 12:31	21°♌07'13	
greatest brilliancy	1193 Nov 30 j 05:36	0°♌46'51	-0.7m		1194 Nov 03 j 08:00	0°♌	
evening max el	1193 Dec 12 j 11:33	17°♌19'37	19°32'42		1194 Nov 24 j 19:33	0°♌	
asc. node	1193 Dec 18 j 04:02	21°♌18'07		evening max el	1194 Nov 25 j 14:08	0°♌49'03	20°33'03
retrograde	1193 Dec 19 j 18:11	21°♌32'07		retrograde	1194 Dec 03 j 15:57	5°♌34'55	
evening set	1193 Dec 23 j 05:46	20°♌21'08		asc. node	1194 Dec 05 j 01:05	5°♌24'11	
inferior conj	1193 Dec 28 j 18:14	14°♌25'13	3°03'24	evening set	1194 Dec 07 j 12:29	4°♌09'14	
minimum elong	1193 Dec 28 j 15:36	14°♌33'50	3°02'45		1194 Dec 11 j 10:34	30°♌♌	
min. Earth dist.	1193 Dec 29 j 22:12	12°♌53'51	0.66448 AU	inferior conj	1194 Dec 12 j 22:05	28°♌01'07	2°27'19
morning rise	1194 Jan 03 j 01:10	8°♌12'54		minimum elong	1194 Dec 12 j 19:28	28°♌10'03	2°26'29
direct	1194 Jan 09 j 05:28	5°♌28'16		min. Earth dist.	1194 Dec 13 j 13:02	27°♌10'17	0.67245 AU
morning max el	1194 Jan 21 j 13:39	12°♌48'01	25°48'54	morning rise	1194 Dec 18 j 02:16	21°♌47'58	
desc. node	1194 Jan 26 j 00:04	17°♌39'53		direct	1194 Dec 23 j 16:09	19°♌20'06	
	1194 Feb 04 j 11:17	0°♌		morning max el	1195 Jan 03 j 21:58	26°♌02'19	24°26'02
	1194 Feb 23 j 08:15	0°♌			1195 Jan 07 j 13:25	0°♌	
morning set	1194 Feb 26 j 19:45	6°♌16'20		desc. node	1195 Jan 12 j 21:06	6°♌34'29	
max. Earth dist.	1194 Mar 02 j 15:42	13°♌27'49	1.35765 AU		1195 Jan 29 j 01:04	0°♌	
superior conj	1194 Mar 08 j 02:57	24°♌13'14	-1°16'08	morning set	1195 Feb 08 j 20:48	17°♌57'48	
minimum elong	1194 Mar 08 j 06:34	24°♌31'31	1°15'33	max. Earth dist.	1195 Feb 12 j 13:08	24°♌30'55	1.37705 AU
	1194 Mar 10 j 23:11	0°♌			1195 Feb 15 j 12:44	0°♌	
evening rise	1194 Mar 16 j 01:48	10°♌29'16		superior conj	1195 Feb 19 j 10:07	7°♌22'58	-1°39'32
asc. node	1194 Mar 16 j 03:20	10°♌37'05		minimum elong	1195 Feb 19 j 14:14	7°♌42'51	1°39'05
	1194 Mar 26 j 13:19	0°♌		evening rise	1195 Feb 28 j 02:11	24°♌28'33	
evening max el	1194 Apr 03 j 01:26	9°♌38'32	20°08'54		1195 Mar 02 j 21:44	0°♌	
retrograde	1194 Apr 13 j 12:28	14°♌41'09		asc. node	1195 Mar 03 j 00:23	0°♌12'47	
evening set	1194 Apr 15 j 13:51	14°♌30'17		evening max el	1195 Mar 16 j 19:42	21°♌32'25	19°09'09
desc. node	1194 Apr 23 j 23:13	10°♌53'13		retrograde	1195 Mar 25 j 15:08	25°♌47'54	
inferior conj	1194 Apr 24 j 13:47	10°♌31'35	-0°10'32	evening set	1195 Mar 27 j 19:16	25°♌33'29	
minimum elong	1194 Apr 24 j 13:18	10°♌32'19	0°10'21	inferior conj	1195 Apr 05 j 00:52	21°♌21'49	1°36'12
transit middle	1194 Apr 24 j 13:18	10°♌32'19	0°10'21	minimum elong	1195 Apr 05 j 04:22	21°♌15'50	1°35'03
transit begin	1194 Apr 24 j 10:15	10°♌36'51		min. Earth dist.	1195 Apr 08 j 00:27	19°♌20'39	0.56554 AU
transit end	1194 Apr 24 j 16:20	10°♌27'46		desc. node	1195 Apr 10 j 20:17	17°♌38'26	
min. Earth dist.	1194 Apr 26 j 09:22	9°♌26'46	0.55305 AU	morning rise	1195 Apr 13 j 10:31	16°♌26'38	
morning rise	1194 May 03 j 10:56	6°♌09'56		direct	1195 Apr 18 j 09:43	15°♌29'16	
direct	1194 May 07 j 09:01	5°♌36'23		morning max el	1195 May 02 j 15:18	22°♌47'24	25°27'44
morning max el	1194 May 21 j 00:50	12°♌19'54	23°49'31		1195 May 09 j 01:16	0°♌	
	1194 Jun 03 j 10:47	0°♌			1195 May 27 j 01:08	0°♌	
asc. node	1194 Jun 12 j 02:36	16°♌11'11		morning set	1195 May 29 j 16:29	5°♌27'55	
morning set	1194 Jun 14 j 04:42	20°♌31'23		asc. node	1195 May 29 j 23:38	6°♌05'44	
	1194 Jun 18 j 14:50	0°♌		superior conj	1195 Jun 05 j 16:01	20°♌35'17	1°05'23
superior conj	1194 Jun 21 j 05:37	5°♌39'32	1°23'09	minimum elong	1195 Jun 05 j 13:41	20°♌22'32	1°04'58
minimum elong	1194 Jun 21 j 03:12	5°♌26'30	1°22'51	max. Earth dist.	1195 Jun 06 j 16:28	22°♌48'51	1.32637 AU
max. Earth dist.	1194 Jun 23 j 08:13	10°♌10'49	1.33376 AU		1195 Jun 10 j 00:20	0°♌	
evening rise	1194 Jun 28 j 16:30	21°♌16'13		evening rise	1195 Jun 12 j 18:20	5°♌46'21	
	1194 Jul 03 j 04:04	0°♌			1195 Jun 25 j 18:23	0°♌	
desc. node	1194 Jul 20 j 22:30	28°♌55'35		desc. node	1195 Jul 07 j 19:33	17°♌29'41	

evening max el	1195 Jul 14 j 16:47	25°Ω04'42	27°16'55		1196 Jun 19 j 09:02	0°Ω	
	1195 Jul 21 j 00:18	0°൬		desc. node	1196 Jun 23 j 16:35	4°Ω58'23	
retrograde	1195 Jul 28 j 12:31	2°൬20'38		evening max el	1196 Jun 25 j 18:53	7°Ω04'32	26°35'58
evening set	1195 Aug 04 j 16:34	29°Ω56'23		retrograde	1196 Jul 09 j 18:20	14°Ω18'16	
	1195 Aug 04 j 14:22	30°κΩ		evening set	1196 Jul 16 j 11:25	12°Ω23'40	
min. Earth dist.	1195 Aug 08 j 06:45	27°Ω07'04	0.62072 AU	min. Earth dist.	1196 Jul 20 j 08:17	9°Ω46'53	0.60043 AU
inferior conj	1195 Aug 11 j 07:00	24°Ω21'03	-4°07'34	inferior conj	1196 Jul 23 j 15:44	7°Ω07'22	-4°42'12
minimum elong	1195 Aug 11 j 12:01	24°Ω09'28	4°06'28	minimum elong	1196 Jul 23 j 19:04	7°Ω00'37	4°41'50
morning rise	1195 Aug 18 j 08:55	19°Ω19'56		morning rise	1196 Jul 31 j 04:43	2°Ω28'38	
direct	1195 Aug 20 j 19:52	18°Ω53'39		direct	1196 Aug 02 j 15:37	2°Ω06'24	
asc. node	1195 Aug 25 j 22:52	20°Ω51'25		morning max el	1196 Aug 10 j 03:28	5°Ω45'02	18°13'23
morning max el	1195 Aug 27 j 16:08	22°Ω21'09	17°54'21	asc. node	1196 Aug 11 j 19:55	7°Ω32'00	
	1195 Sep 02 j 14:19	0°൬			1196 Aug 25 j 12:30	0°൬	
morning set	1195 Sep 12 j 16:15	17°൬25'50		morning set	1196 Aug 26 j 01:29	1°൬01'15	
	1195 Sep 19 j 16:46	0°Ω					
superior conj	1195 Sep 23 j 12:12	6°Ω37'39	1°05'51	superior conj	1196 Sep 04 j 12:49	18°൬40'48	1°30'11
minimum elong	1195 Sep 23 j 16:57	6°Ω58'00	1°05'18	minimum elong	1196 Sep 04 j 16:31	18°൬57'32	1°29'51
max. Earth dist.	1195 Sep 30 j 19:17	18°Ω51'01	1.42893 AU		1196 Sep 10 j 22:52	0°Ω	
desc. node	1195 Oct 03 j 18:52	23°Ω40'56		max. Earth dist.	1196 Sep 12 j 03:27	2°Ω01'58	1.41070 AU
evening rise	1195 Oct 07 j 22:58	0°൬17'45		evening rise	1196 Sep 17 j 02:05	10°Ω15'16	
	1195 Oct 07 j 18:27	0°൬		desc. node	1196 Sep 19 j 15:53	14°Ω24'29	
	1195 Oct 27 j 23:10	0°♂			1196 Sep 29 j 19:20	0°൬	
evening max el	1195 Nov 08 j 10:58	14°♂19'09	21°44'46	evening max el	1196 Oct 21 j 02:43	27°൬50'36	23°03'29
retrograde	1195 Nov 17 j 12:52	19°♂43'18			1196 Oct 23 j 09:49	0°♂	
evening set	1195 Nov 21 j 20:13	18°♂01'22		retrograde	1196 Oct 31 j 07:20	3°♂53'29	
asc. node	1195 Nov 21 j 22:08	17°♂57'31		evening set	1196 Nov 05 j 03:17	1°♂54'22	
inferior conj	1195 Nov 27 j 04:39	11°♂44'21	1°44'03		1196 Nov 07 j 01:25	30°κ൬	
minimum elong	1195 Nov 27 j 02:30	11°♂51'45	1°43'15	asc. node	1196 Nov 07 j 19:11	29°൬07'31	
min. Earth dist.	1195 Nov 27 j 07:59	11°♂32'47	0.67672 AU	min. Earth dist.	1196 Nov 10 j 04:40	25°൬57'31	0.67757 AU
morning rise	1195 Dec 02 j 08:40	5°♂32'05		inferior conj	1196 Nov 10 j 12:00	25°൬32'15	0°55'07
direct	1195 Dec 07 j 07:19	3°♂25'50		minimum elong	1196 Nov 10 j 10:45	25°൬36'34	0°54'37
morning max el	1195 Dec 17 j 07:38	9°♂22'14	22°57'48	morning rise	1196 Nov 15 j 18:08	19°൬22'53	
desc. node	1195 Dec 30 j 18:08	26°♂06'10		direct	1196 Nov 20 j 02:10	17°൬39'24	
	1196 Jan 02 j 12:04	0°♂		morning max el	1196 Nov 28 j 21:52	22°൬49'26	21°32'59
morning set	1196 Jan 20 j 19:45	28°♂21'00			1196 Dec 05 j 02:05	0°♂	
	1196 Jan 21 j 19:31	0°≈		desc. node	1196 Dec 16 j 15:10	16°♂04'05	
max. Earth dist.	1196 Jan 25 j 08:39	6°≈01'04	1.39840 AU		1196 Dec 25 j 20:50	0°♂	
				morning set	1196 Dec 30 j 13:32	7°♂21'05	
superior conj	1196 Feb 02 j 01:57	19°≈44'37	-1°56'48	max. Earth dist.	1197 Jan 06 j 08:39	18°♂20'48	1.41891 AU
minimum elong	1196 Feb 02 j 05:09	19°≈59'16	1°56'37		1197 Jan 13 j 06:08	0°≈	
	1196 Feb 07 j 13:41	0°♂		superior conj	1197 Jan 13 j 21:09	1°≈05'05	-2°03'49
evening rise	1196 Feb 11 j 17:38	7°♂56'50		minimum elong	1197 Jan 13 j 21:11	1°≈05'12	2°03'49
asc. node	1196 Feb 17 j 21:27	19°♂27'02		evening rise	1197 Jan 24 j 20:29	20°≈45'01	
	1196 Feb 24 j 12:12	0°൬			1197 Jan 29 j 22:50	0°♂	
evening max el	1196 Feb 27 j 23:03	4°൬00'44	18°29'30	asc. node	1197 Feb 03 j 18:30	8°♂12'10	
retrograde	1196 Mar 06 j 12:42	7°൬43'56		evening max el	1197 Feb 10 j 08:23	16°♂54'46	18°09'57
evening set	1196 Mar 08 j 22:19	7°൬22'39		retrograde	1197 Feb 17 j 03:44	20°♂21'39	
inferior conj	1196 Mar 16 j 08:52	2°൬51'39	2°50'43	evening set	1197 Feb 19 j 18:43	19°♂51'27	
minimum elong	1196 Mar 16 j 12:50	2°൬43'44	2°49'48	inferior conj	1197 Feb 26 j 13:12	14°♂59'42	3°31'48
	1196 Mar 19 j 23:52	30°κ♂		minimum elong	1197 Feb 26 j 15:29	14°♂54'25	3°31'33
min. Earth dist.	1196 Mar 19 j 19:09	0°൬08'51	0.58412 AU	min. Earth dist.	1197 Mar 01 j 19:58	11°♂58'45	0.60528 AU
morning rise	1196 Mar 24 j 00:33	27°♂25'39		morning rise	1197 Mar 05 j 10:18	9°♂12'44	
desc. node	1196 Mar 27 j 17:20	26°♂06'55		direct	1197 Mar 12 j 02:52	7°♂03'33	
direct	1196 Mar 30 j 00:14	25°♂53'21		desc. node	1197 Mar 14 j 14:22	7°♂20'21	
	1196 Apr 09 j 06:57	0°൬		morning max el	1197 Mar 26 j 09:08	14°♂54'35	27°36'15
morning max el	1196 Apr 13 j 09:12	3°൬32'51	26°47'28		1197 Apr 07 j 14:23	0°൬	
	1196 May 02 j 13:37	0°♂			1197 Apr 24 j 23:03	0°♂	
morning set	1196 May 13 j 02:46	20°♂18'59		morning set	1197 Apr 27 j 09:47	4°♂58'32	
asc. node	1196 May 15 j 20:42	26°♂09'59		asc. node	1197 May 02 j 17:46	16°♂19'31	
	1196 May 17 j 15:02	0°♂		max. Earth dist.	1197 May 03 j 16:28	18°♂23'19	1.32293 AU
superior conj	1196 May 20 j 03:44	5°♂33'08	0°44'03	superior conj	1197 May 04 j 15:07	20°♂27'19	0°19'54
minimum elong	1196 May 20 j 01:57	5°♂23'15	0°43'40	minimum elong	1197 May 04 j 14:13	20°♂22'26	0°19'41
max. Earth dist.	1196 May 20 j 04:27	5°♂37'01	1.32278 AU		1197 May 08 j 23:48	0°♂	
evening rise	1196 May 27 j 01:38	20°♂31'18		evening rise	1197 May 11 j 12:10	5°♂23'49	
	1196 May 31 j 17:39	0°♂			1197 May 24 j 12:43	0°♂	

evening max el	1197 Jun 07 j 14:05	18°☿19'16	25°25'12	behind sun end	1198 Apr 19 j 05:27	5°♄38'47	
desc. node	1197 Jun 10 j 13:37	20°☿55'16		asc. node	1198 Apr 19 j 14:47	6°♄29'24	
retrograde	1197 Jun 21 j 14:48	25°☿28'23		evening rise	1198 Apr 25 j 23:57	20°♄16'23	
evening set	1197 Jun 27 j 07:31	24°☿12'29			1198 Apr 30 j 17:58	0°♄	
min. Earth dist.	1197 Jul 02 j 02:06	21°☿29'50	0.58004 AU	evening max el	1198 May 20 j 04:35	28°♄59'27	23°54'36
inferior conj	1197 Jul 05 j 06:11	19°☿17'14	-4°52'41		1198 May 21 j 06:37	0°☿	
minimum elong	1197 Jul 05 j 05:29	19°☿18'29	4°52'41	desc. node	1198 May 28 j 10:38	4°☿45'02	
morning rise	1197 Jul 13 j 06:00	15°☿00'46		retrograde	1198 Jun 02 j 23:02	5°☿54'08	
direct	1197 Jul 15 j 18:53	14°☿41'01		evening set	1198 Jun 07 j 05:25	5°☿13'58	
morning max el	1197 Jul 24 j 07:50	18°☿42'22	18°52'52	min. Earth dist.	1198 Jun 13 j 15:25	2°☿09'56	0.56273 AU
asc. node	1197 Jul 29 j 16:58	25°☿13'01		inferior conj	1198 Jun 16 j 00:25	0°☿42'45	-4°25'26
	1197 Aug 01 j 17:53	0°♂		minimum elong	1198 Jun 15 j 18:40	0°☿51'37	4°24'32
morning set	1197 Aug 09 j 21:19	15°♂08'19			1198 Jun 17 j 04:30	30°♂♄	
	1197 Aug 17 j 11:43	0°♂		morning rise	1198 Jun 24 j 10:36	26°♄43'57	
				direct	1198 Jun 27 j 03:10	26°♄25'18	
superior conj	1197 Aug 18 j 09:24	1°♂43'44	1°42'59		1198 Jul 05 j 21:45	0°☿	
minimum elong	1197 Aug 18 j 11:08	1°♂51'59	1°42'54	morning max el	1198 Jul 07 j 02:17	1°☿02'23	19°53'35
max. Earth dist.	1197 Aug 25 j 07:16	14°♂29'30	1.39045 AU	asc. node	1198 Jul 16 j 14:00	13°☿40'03	
evening rise	1197 Aug 29 j 05:23	21°♂21'00		morning set	1198 Jul 25 j 00:26	29°☿37'21	
	1197 Sep 03 j 09:43	0°♄			1198 Jul 25 j 04:55	0°♂	
desc. node	1197 Sep 06 j 12:56	5°♄01'14					
	1197 Sep 23 j 19:49	0°♄		superior conj	1198 Aug 01 j 20:30	15°♂30'11	1°46'16
evening max el	1197 Oct 03 j 15:29	11°♄26'13	24°23'11	minimum elong	1198 Aug 01 j 20:22	15°♂29'32	1°46'16
retrograde	1197 Oct 14 j 22:11	18°♄02'21		max. Earth dist.	1198 Aug 07 j 11:39	26°♂26'48	1.37069 AU
evening set	1197 Oct 20 j 08:03	15°♄46'14			1198 Aug 09 j 09:19	0°♂	
min. Earth dist.	1197 Oct 25 j 00:41	10°♄22'45	0.67518 AU	evening rise	1198 Aug 11 j 07:46	3°♂32'09	
inferior conj	1197 Oct 25 j 18:26	9°♄23'10	0°01'55	desc. node	1198 Aug 24 j 09:57	25°♂25'46	
minimum elong	1197 Oct 25 j 18:23	9°♄23'20	0°01'54		1198 Aug 27 j 10:14	0°♄	
transit middle	1197 Oct 25 j 18:23	9°♄23'20	0°01'54	evening max el	1198 Sep 16 j 03:22	25°♄04'56	25°36'45
transit begin	1197 Oct 25 j 15:40	9°♄32'28			1198 Sep 22 j 04:17	0°♄	
transit end	1197 Oct 25 j 21:06	9°♄14'13		retrograde	1198 Sep 28 j 08:23	2°♄04'49	
asc. node	1197 Oct 25 j 16:12	9°♄30'39			1198 Oct 03 j 19:47	30°♂♄	
morning rise	1197 Oct 31 j 04:44	3°♄19'08		evening set	1198 Oct 04 j 08:44	29°♄33'36	
direct	1197 Nov 03 j 23:37	1°♄57'00		min. Earth dist.	1198 Oct 08 j 17:31	24°♄45'27	0.66949 AU
morning max el	1197 Nov 11 j 19:17	6°♄26'58	20°18'07	inferior conj	1198 Oct 09 j 22:06	23°♄13'55	-0°54'13
	1197 Nov 29 j 07:06	0°♂		minimum elong	1198 Oct 09 j 23:30	23°♄09'28	0°53'38
desc. node	1197 Dec 03 j 12:11	6°♂21'14		asc. node	1198 Oct 12 j 13:13	20°♄01'35	
morning set	1197 Dec 09 j 11:21	15°♂30'14		morning rise	1198 Oct 15 j 14:29	17°♄18'03	
	1197 Dec 18 j 16:42	0°♂		direct	1198 Oct 18 j 22:09	16°♄14'25	
max. Earth dist.	1197 Dec 19 j 16:18	1°♂34'32	1.43586 AU	morning max el	1198 Oct 26 j 00:21	20°♄14'04	19°17'06
					1198 Nov 02 j 18:21	0°♄	
superior conj	1197 Dec 25 j 15:01	11°♂14'58	-1°55'44	morning set	1198 Nov 18 j 12:58	23°♄59'42	
minimum elong	1197 Dec 25 j 09:54	10°♂53'53	1°55'27	desc. node	1198 Nov 20 j 09:14	26°♄51'54	
	1198 Jan 05 j 16:33	0°♄			1198 Nov 22 j 09:31	0°♂	
evening rise	1198 Jan 07 j 06:36	2°♄45'17		max. Earth dist.	1198 Dec 02 j 07:01	15°♂30'47	1.44699 AU
asc. node	1198 Jan 21 j 15:31	26°♄19'21					
	1198 Jan 24 j 18:06	0°♂		superior conj	1198 Dec 05 j 07:12	20°♂16'40	-1°29'00
evening max el	1198 Jan 24 j 20:37	0°♂06'20	18°09'48	minimum elong	1198 Dec 04 j 22:35	19°♂42'27	1°28'09
retrograde	1198 Jan 31 j 08:14	3°♂31'11			1198 Dec 11 j 08:47	0°♂	
evening set	1198 Feb 03 j 04:11	2°♂50'51		evening rise	1198 Dec 19 j 19:47	13°♂50'42	
	1198 Feb 07 j 02:13	30°♂♄			1198 Dec 29 j 15:22	0°♄	
inferior conj	1198 Feb 09 j 10:19	27°♄38'42	3°46'00	evening max el	1199 Jan 08 j 08:56	13°♄28'21	18°28'18
minimum elong	1198 Feb 09 j 10:31	27°♄38'11	3°46'00	asc. node	1199 Jan 08 j 12:32	13°♄37'26	
min. Earth dist.	1198 Feb 12 j 04:59	24°♄44'13	0.62594 AU	retrograde	1199 Jan 14 j 21:54	17°♄03'44	
morning rise	1198 Feb 15 j 15:44	21°♄39'20		evening set	1199 Jan 17 j 23:04	16°♄12'21	
direct	1198 Feb 22 j 15:00	19°♄02'14		inferior conj	1199 Jan 23 j 20:12	10°♄41'10	3°40'19
desc. node	1198 Mar 01 j 11:24	21°♄11'17		minimum elong	1199 Jan 23 j 18:46	10°♄45'21	3°40'10
morning max el	1198 Mar 08 j 14:35	26°♄56'45	27°48'11	min. Earth dist.	1199 Jan 25 j 23:31	8°♄11'48	0.64390 AU
	1198 Mar 11 j 11:53	0°♂		morning rise	1199 Jan 29 j 13:57	4°♄34'34	
	1198 Apr 01 j 05:10	0°♂		direct	1199 Feb 05 j 10:33	1°♄43'56	
morning set	1198 Apr 11 j 11:20	19°♂18'32		desc. node	1199 Feb 16 j 08:25	7°♄05'45	
	1198 Apr 16 j 14:32	0°♂		morning max el	1199 Feb 18 j 23:29	9°♄33'48	27°24'17
max. Earth dist.	1198 Apr 17 j 00:34	0°♂53'38	1.32705 AU		1199 Mar 06 j 23:54	0°♂	
					1199 Mar 24 j 13:31	0°♂	
superior conj	1198 Apr 19 j 00:21	5°♂11'09	-0°06'22	morning set	1199 Mar 26 j 04:48	3°♂10'37	
minimum elong	1198 Apr 19 j 00:40	5°♂12'47	0°06'18	max. Earth dist.	1199 Mar 31 j 01:01	12°♂56'47	1.33541 AU
behind sun begin	1198 Apr 18 j 19:52	4°♂46'49					

superior conj	1199 Apr 03 j 05:38	19° $\Upsilon$ 38'31	-0°33'46	superior conj	1200 Mar 17 j 04:40	3° $\Upsilon$ 42'01	-1°01'05
minimum elong	1199 Apr 03 j 07:18	19° $\Upsilon$ 47'21	0°33'24	minimum elong	1200 Mar 17 j 07:40	3° $\Upsilon$ 57'28	1°00'32
asc. node	1199 Apr 06 j 11:50	26° $\Upsilon$ 35'44		asc. node	1200 Mar 23 j 08:52	16° $\Upsilon$ 33'46	
	1199 Apr 08 j 02:03	0° $\text{B}$		evening rise	1200 Mar 24 j 19:59	19° $\Upsilon$ 36'02	
evening rise	1199 Apr 10 j 11:12	5° $\text{B}$ 02'47			1200 Mar 30 j 00:52	0° $\text{B}$	
	1199 Apr 24 j 01:57	0° $\text{II}$		evening max el	1200 Apr 12 j 20:47	20° $\text{B}$ 25'17	20°51'42
evening max el	1199 May 01 j 20:32	9° $\text{II}$ 31'44	22°18'53	retrograde	1200 Apr 24 j 07:57	25° $\text{B}$ 59'24	
retrograde	1199 May 14 j 18:41	15° $\text{II}$ 54'31		evening set	1200 Apr 26 j 12:01	25° $\text{B}$ 48'11	
desc. node	1199 May 15 j 07:38	15° $\text{II}$ 53'51		desc. node	1200 May 01 j 04:39	24° $\text{B}$ 16'37	
evening set	1199 May 17 j 16:43	15° $\text{II}$ 35'44		inferior conj	1200 May 05 j 19:07	21° $\text{B}$ 50'09	-1°19'47
min. Earth dist.	1199 May 26 j 03:15	11° $\text{II}$ 58'03	0.55182 AU	minimum elong	1200 May 05 j 15:20	21° $\text{B}$ 55'31	1°18'25
inferior conj	1199 May 27 j 01:17	11° $\text{II}$ 26'59	-3°11'17	min. Earth dist.	1200 May 06 j 15:48	21° $\text{B}$ 20'42	0.54981 AU
minimum elong	1199 May 26 j 17:43	11° $\text{II}$ 37'40	3°09'06	morning rise	1200 May 14 j 18:19	17° $\text{B}$ 44'19	
morning rise	1199 Jun 04 j 20:34	7° $\text{II}$ 34'14		direct	1200 May 18 j 04:43	17° $\text{B}$ 18'55	
direct	1199 Jun 07 j 19:04	7° $\text{II}$ 14'44		morning max el	1200 May 31 j 06:27	23° $\text{B}$ 35'24	22°51'00
morning max el	1199 Jun 19 j 09:24	12° $\text{II}$ 39'09	21°14'33		1200 Jun 06 j 00:14	0° $\text{II}$	
	1199 Jul 01 j 23:31	0° $\text{G}$		asc. node	1200 Jun 19 j 08:07	22° $\text{II}$ 10'28	
asc. node	1199 Jul 03 j 11:04	2° $\text{G}$ 42'13		morning set	1200 Jun 22 j 19:12	29° $\text{II}$ 15'42	
morning set	1199 Jul 09 j 08:24	14° $\text{G}$ 21'48			1200 Jun 23 j 03:38	0° $\text{G}$	
superior conj	1199 Jul 16 j 17:52	29° $\text{G}$ 48'04	1°41'55	superior conj	1200 Jun 29 j 22:14	14° $\text{G}$ 27'33	1°31'28
minimum elong	1199 Jul 16 j 16:23	29° $\text{G}$ 40'25	1°41'51	minimum elong	1200 Jun 29 j 20:00	14° $\text{G}$ 15'38	1°31'15
	1199 Jul 16 j 20:10	0° $\Omega$		max. Earth dist.	1200 Jul 02 j 17:52	20° $\text{G}$ 24'15	1.33974 AU
max. Earth dist.	1199 Jul 20 j 22:13	8° $\Omega$ 18'23	1.35342 AU		1200 Jul 07 j 11:03	0° $\Omega$	
evening rise	1199 Jul 25 j 04:56	16° $\Omega$ 37'49		evening rise	1200 Jul 07 j 16:15	0° $\Omega$ 25'38	
	1199 Aug 01 j 14:44	0° $\text{P}$			1200 Jul 24 j 15:04	0° $\text{P}$	
desc. node	1199 Aug 11 j 06:58	15° $\text{P}$ 32'08		desc. node	1200 Jul 28 j 03:58	5° $\text{P}$ 12'35	
	1199 Aug 21 j 19:47	0° $\text{A}$		evening max el	1200 Aug 11 j 03:17	22° $\text{P}$ 07'31	27°14'50
evening max el	1199 Aug 29 j 15:26	8° $\text{A}$ 41'42	26°36'27	retrograde	1200 Aug 24 j 13:03	29° $\text{P}$ 26'24	
retrograde	1199 Sep 11 j 13:26	15° $\text{A}$ 55'12		evening set	1200 Aug 31 j 13:25	26° $\text{P}$ 41'54	
evening set	1199 Sep 18 j 03:21	13° $\text{A}$ 13'21		min. Earth dist.	1200 Sep 04 j 08:11	23° $\text{P}$ 06'56	0.64763 AU
min. Earth dist.	1199 Sep 22 j 04:44	9° $\text{A}$ 02'05	0.66037 AU	inferior conj	1200 Sep 06 j 13:17	20° $\text{P}$ 41'11	-2°48'24
inferior conj	1199 Sep 23 j 21:07	7° $\text{A}$ 01'12	-1°51'43	minimum elong	1200 Sep 06 j 17:36	20° $\text{P}$ 29'20	2°46'54
minimum elong	1199 Sep 24 j 00:03	6° $\text{A}$ 52'26	1°50'34	morning rise	1200 Sep 12 j 22:40	15° $\text{P}$ 11'01	
asc. node	1199 Sep 29 j 10:15	1° $\text{A}$ 32'47		asc. node	1200 Sep 15 j 07:19	14° $\text{P}$ 34'11	
morning rise	1199 Sep 29 j 21:16	1° $\text{A}$ 16'37		direct	1200 Sep 15 j 14:40	14° $\text{P}$ 33'41	
direct	1199 Oct 02 j 19:56	0° $\text{A}$ 27'58		morning max el	1200 Sep 22 j 02:49	18° $\text{P}$ 02'10	18°03'13
morning max el	1199 Oct 09 j 11:40	4° $\text{A}$ 07'25	18°31'47		1200 Sep 30 j 21:17	0° $\text{A}$	
	1199 Oct 27 j 06:41	0° $\text{M}$		morning set	1200 Oct 09 j 21:24	14° $\text{A}$ 55'02	
morning set	1199 Oct 29 j 14:43	3° $\text{M}$ 44'42			1200 Oct 19 j 00:08	0° $\text{M}$	
desc. node	1199 Nov 07 j 06:15	17° $\text{M}$ 31'26		superior conj	1200 Oct 23 j 16:37	7° $\text{M}$ 33'58	0°02'59
superior conj	1199 Nov 14 j 08:33	28° $\text{M}$ 42'31	-0°45'57	minimum elong	1200 Oct 23 j 16:58	7° $\text{M}$ 35'24	0°02'57
minimum elong	1199 Nov 14 j 02:39	28° $\text{M}$ 19'19	0°45'12	behind sun begin	1200 Oct 23 j 06:30	6° $\text{M}$ 53'29	
max. Earth dist.	1199 Nov 15 j 01:41	29° $\text{M}$ 49'50	1.45103 AU	behind sun end	1200 Oct 24 j 03:26	8° $\text{M}$ 17'15	
	1199 Nov 15 j 04:16	0° $\text{X}$		desc. node	1200 Oct 24 j 03:16	8° $\text{M}$ 16'38	
evening rise	1199 Nov 30 j 09:27	23° $\text{X}$ 58'08		max. Earth dist.	1200 Oct 27 j 20:30	14° $\text{M}$ 11'07	1.44767 AU
	1199 Dec 04 j 04:44	0° $\text{Z}$			1200 Nov 06 j 23:22	0° $\text{X}$	
greatest brilliancy	1199 Dec 09 j 13:58	8° $\text{Z}$ 30'11	-0.8m	evening rise	1200 Nov 09 j 02:21	3° $\text{X}$ 17'13	
evening max el	1199 Dec 22 j 18:49	26° $\text{Z}$ 55'03	19°04'28	greatest brilliancy	1200 Nov 22 j 21:18	24° $\text{X}$ 18'01	-0.6m
asc. node	1199 Dec 26 j 09:34	29° $\text{Z}$ 52'21			1200 Nov 26 j 19:19	0° $\text{Z}$	
	1199 Dec 26 j 15:03	0° $\approx$		evening max el	1200 Dec 05 j 00:23	10° $\text{Z}$ 23'42	19°56'41
retrograde	1199 Dec 29 j 17:01	0° $\approx$ 51'36		asc. node	1200 Dec 12 j 06:36	14° $\text{Z}$ 49'29	
	1200 Jan 01 j 16:31	30° $\text{R}$ $\text{Z}$		retrograde	1200 Dec 12 j 14:37	14° $\text{Z}$ 50'06	
evening set	1200 Jan 02 j 00:23	29° $\text{Z}$ 48'06		evening set	1200 Dec 16 j 05:43	13° $\text{Z}$ 33'05	
inferior conj	1200 Jan 07 j 15:18	24° $\text{Z}$ 00'13	3°20'07	inferior conj	1200 Dec 21 j 16:43	7° $\text{Z}$ 31'22	2°49'06
minimum elong	1200 Jan 07 j 12:55	24° $\text{Z}$ 07'45	3°19'39	minimum elong	1200 Dec 21 j 14:01	7° $\text{Z}$ 40'21	2°48'22
min. Earth dist.	1200 Jan 09 j 03:21	22° $\text{Z}$ 06'27	0.65807 AU	min. Earth dist.	1200 Dec 22 j 14:55	6° $\text{Z}$ 17'18	0.66828 AU
morning rise	1200 Jan 13 j 01:12	17° $\text{Z}$ 49'16		morning rise	1200 Dec 26 j 22:07	1° $\text{Z}$ 18'15	
direct	1200 Jan 19 j 12:32	14° $\text{Z}$ 59'18			1200 Dec 28 j 14:26	30° $\text{R}$ $\text{X}$	
morning max el	1200 Feb 01 j 09:19	22° $\text{Z}$ 34'05	26°30'18	direct	1201 Jan 01 j 20:21	28° $\text{X}$ 40'00	
desc. node	1200 Feb 03 j 05:28	24° $\text{Z}$ 29'23			1201 Jan 06 j 12:53	0° $\text{Z}$	
	1200 Feb 07 j 22:58	0° $\approx$		morning max el	1201 Jan 13 j 18:17	5° $\text{Z}$ 45'57	25°14'59
	1200 Feb 28 j 06:21	0° $\text{H}$		desc. node	1201 Jan 20 j 02:31	12° $\text{Z}$ 56'28	
morning set	1200 Mar 08 j 10:35	16° $\text{H}$ 23'26			1201 Feb 01 j 12:22	0° $\approx$	
max. Earth dist.	1200 Mar 12 j 14:34	24° $\text{H}$ 26'16	1.34828 AU	morning set	1201 Feb 18 j 23:53	28° $\approx$ 43'22	
	1200 Mar 15 j 09:13	0° $\Upsilon$			1201 Feb 19 j 16:51	0° $\text{H}$	

max. Earth dist.	1201 Feb 22 j 16:32	5°  30'10	1.36550 AU	morning set	1202 Jan 31 j 14:35	9°  53'37	
				max. Earth dist.	1202 Feb 04 j 11:37	16°  38'16	1.38596 AU
superior conj	1201 Feb 28 j 18:38	17°  14'01	-1°26'36	superior conj	1202 Feb 11 j 19:53	0°  04'59	-1°47'50
minimum elong	1201 Feb 28 j 22:36	17°  33'37	1°26'03	minimum elong	1202 Feb 11 j 23:51	0°  23'40	1°47'29
	1201 Mar 07 j 02:47	0°  0°			1202 Feb 11 j 18:50	0°  0°	
evening rise	1201 Mar 09 j 00:10	3°  49'41		evening rise	1202 Feb 20 j 21:08	17°  36'45	
asc. node	1201 Mar 10 j 05:55	6°  19'06		asc. node	1202 Feb 25 j 02:59	25°  46'40	
	1201 Mar 24 j 12:16	0°  0°			1202 Feb 27 j 10:11	0°  0°	
evening max el	1201 Mar 26 j 08:41	1°  56'54	19°41'02	evening max el	1202 Mar 09 j 07:18	14°  07'26	18°49'56
retrograde	1201 Apr 05 j 02:25	6°  38'20		retrograde	1202 Mar 17 j 12:38	18°  06'52	
evening set	1201 Apr 07 j 03:56	6°  26'38		evening set	1202 Mar 19 j 19:02	17°  09'52	
inferior conj	1201 Apr 15 j 20:36	2°  23'43	0°37'56	inferior conj	1202 Mar 27 j 16:22	13°  09'50	2°12'02
minimum elong	1201 Apr 15 j 22:13	2°  21'10	0°37'21	minimum elong	1202 Mar 27 j 20:28	13°  09'23	2°10'52
desc. node	1201 Apr 18 j 01:43	1°  00'28		desc. node	1202 Mar 30 j 22:48	11°  09'16	0.57286 AU
min. Earth dist.	1201 Apr 18 j 06:09	0°  53'39	0.55738 AU	min. Earth dist.	1202 Apr 04 j 18:48	8°  21'34	
	1201 Apr 19 j 18:16	30°  0°		morning rise	1202 Apr 04 j 22:45	8°  17'21	
morning rise	1201 Apr 24 j 13:57	27°  04'48		direct	1202 Apr 10 j 05:10	7°  09'57	
direct	1201 Apr 28 j 21:58	27°  05'48		morning max el	1202 Apr 24 j 13:01	14°  09'10	26°04'39
	1201 May 07 j 18:15	0°  0°			1202 May 06 j 19:09	0°  0°	
morning max el	1201 May 12 j 21:42	4°  06'37	24°32'35	morning set	1202 May 22 j 18:27	29°  08'27	
	1201 May 31 j 03:45	0°  0°			1202 May 23 j 04:13	0°  0°	
asc. node	1201 Jun 06 j 05:11	11°  05'18		asc. node	1202 May 24 j 02:14	1°  05'07	
morning set	1201 Jun 07 j 07:05	14°  05'58					
superior conj	1201 Jun 14 j 07:03	29°  05'46	1°16'07	superior conj	1202 May 29 j 18:17	14°  05'18	0°56'45
minimum elong	1201 Jun 14 j 04:37	29°  06'31	1°15'44	minimum elong	1202 May 29 j 16:07	14°  06'13	0°56'20
	1201 Jun 14 j 14:28	0°  0°		max. Earth dist.	1202 May 30 j 08:16	15°  03'48	1.32438 AU
max. Earth dist.	1201 Jun 15 j 22:03	2°  50'45	1.33008 AU	evening rise	1202 Jun 05 j 18:13	29°  02'55	
evening rise	1201 Jun 21 j 13:43	14°  54'30			1202 Jun 06 j 01:33	0°  0°	
	1201 Jun 29 j 12:41	0°  0°			1202 Jun 22 j 17:02	0°  0°	
desc. node	1201 Jul 15 j 01:00	24°  01'53		desc. node	1202 Jul 01 j 22:02	12°  02'51	
	1201 Jul 19 j 16:03	0°  0°		evening max el	1202 Jul 06 j 19:22	17°  03'57	27°03'35
evening max el	1201 Jul 24 j 13:22	5°  09'57	27°25'23	retrograde	1202 Jul 20 j 17:12	24°  05'56	
retrograde	1201 Aug 07 j 06:42	12°  08'21		evening set	1202 Jul 27 j 17:53	22°  03'04	
evening set	1201 Aug 14 j 11:40	9°  05'54		min. Earth dist.	1202 Jul 31 j 09:38	19°  05'49	0.61228 AU
min. Earth dist.	1201 Aug 18 j 02:04	6°  09'30	0.63139 AU	inferior conj	1202 Aug 03 j 13:40	17°  01'22	-4°24'28
inferior conj	1201 Aug 20 j 19:53	4°  07'07	-3°41'03	minimum elong	1202 Aug 03 j 18:14	17°  01'22	4°23'39
minimum elong	1201 Aug 21 j 00:59	3°  05'43	3°39'39	morning rise	1202 Aug 10 j 20:16	12°  01'14	
	1201 Aug 25 j 13:58	30°  0°		direct	1202 Aug 13 j 06:48	11°  05'58	
morning rise	1201 Aug 27 j 15:35	28°  05'43		asc. node	1202 Aug 20 j 01:27	15°  08'55	
direct	1201 Aug 30 j 03:30	28°  02'58		morning max el	1202 Aug 20 j 08:45	15°  08'20	17°59'54
asc. node	1201 Sep 02 j 04:24	29°  09'33			1202 Aug 30 j 11:10	0°  0°	
	1201 Sep 03 j 14:30	0°  0°		morning set	1202 Sep 05 j 05:43	10°  08'13	
morning max el	1201 Sep 05 j 18:51	1°  05'53	17°52'13				
morning set	1201 Sep 22 j 04:28	27°  05'23		superior conj	1202 Sep 15 j 10:32	28°  05'55	1°17'41
	1201 Sep 23 j 17:56	0°  0°		minimum elong	1202 Sep 15 j 15:03	29°  06'44	1°17'11
					1202 Sep 16 j 00:56	0°  0°	
superior conj	1201 Oct 03 j 23:58	17°  03'52	0°46'10	max. Earth dist.	1202 Sep 22 j 23:56	11°  05'19	1.42167 AU
minimum elong	1201 Oct 04 j 04:13	17°  03'02	0°45'36	desc. node	1202 Sep 27 j 21:20	19°  09'50	
max. Earth dist.	1201 Oct 10 j 12:26	28°  01'07	1.43745 AU	evening rise	1202 Sep 29 j 02:03	21°  04'27	
desc. node	1201 Oct 11 j 00:18	29°  03'46			1202 Oct 04 j 08:54	0°  0°	
	1201 Oct 11 j 14:20	0°  0°			1202 Oct 25 j 09:29	0°  0°	
evening rise	1201 Oct 19 j 10:01	12°  01'32		evening max el	1202 Oct 31 j 19:06	7°  23'54	22°17'47
	1201 Oct 31 j 02:56	0°  0°		retrograde	1202 Nov 10 j 08:11	13°  04'22	
evening max el	1201 Nov 18 j 00:28	23°  05'32	21°02'25	evening set	1202 Nov 14 j 20:40	11°  15'23	
retrograde	1201 Nov 26 j 12:16	28°  05'52		asc. node	1202 Nov 16 j 00:42	10°  11'09	
asc. node	1201 Nov 29 j 03:40	28°  16'06		inferior conj	1202 Nov 20 j 05:05	4°  55'58	1°23'54
evening set	1201 Nov 30 j 13:04	27°  23'00		minimum elong	1202 Nov 20 j 03:17	5°  02'14	1°23'12
inferior conj	1201 Dec 05 j 21:59	21°  10'43	2°09'45	min. Earth dist.	1202 Nov 20 j 03:53	5°  00'07	0.67754 AU
minimum elong	1201 Dec 05 j 19:31	21°  19'13	2°08'55		1202 Nov 24 j 02:08	30°  0°	
min. Earth dist.	1201 Dec 06 j 07:56	20°  36'32	0.67467 AU	morning rise	1202 Nov 25 j 09:44	28°  04'40	
morning rise	1201 Dec 11 j 01:46	14°  37'27		direct	1202 Nov 30 j 02:09	26°  04'51	
direct	1201 Dec 16 j 09:11	12°  38'12			1202 Dec 06 j 23:28	0°  0°	
morning max el	1201 Dec 27 j 02:43	19°  02'10	23°48'32	morning max el	1202 Dec 09 j 13:41	2°  23'48	22°20'45
	1202 Jan 05 j 09:00	0°  0°		desc. node	1202 Dec 24 j 20:34	21°  52'08	
desc. node	1202 Jan 06 j 23:33	2°  08'18			1202 Dec 30 j 09:59	0°  0°	
	1202 Jan 25 j 15:58	0°  0°		morning set	1203 Jan 12 j 00:55	19°  39'45	

max. Earth dist.	1203 Jan 17 j 08:15	28°  27'07	1.40739 AU	morning set	1203 Dec 22 j 08:06	28°  11'41	
	1203 Jan 18 j 06:10	0° 			1203 Dec 23 j 11:44	0° 	
				max. Earth dist.	1203 Dec 30 j 12:03	11°  13'21	1.42675 AU
superior conj	1203 Jan 25 j 03:37	12°  02'15	-2°01'19	superior conj	1204 Jan 06 j 12:31	22°  53'48	-2°02'32
minimum elong	1203 Jan 25 j 05:46	12°  11'55	2°01'15	minimum elong	1204 Jan 06 j 10:29	22°  45'11	2°02'28
	1203 Feb 03 j 21:17	0° 			1204 Jan 10 j 15:41	0° 	
evening rise	1203 Feb 04 j 07:39	0°  48'38		evening rise	1204 Jan 18 j 03:56	13°  17'49	
asc. node	1203 Feb 12 j 00:02	14°  49'21			1204 Jan 27 j 17:50	0° 	
evening max el	1203 Feb 20 j 13:38	26°  47'56	18°18'51	asc. node	1204 Jan 29 j 21:03	3°  19'34	
	1203 Feb 25 j 10:48	0° 		evening max el	1204 Feb 04 j 00:30	9°  50'05	18°07'29
retrograde	1203 Feb 27 j 17:52	0°  21'59		retrograde	1204 Feb 10 j 15:20	13°  14'36	
evening set	1203 Mar 02 j 06:01	29°  56'56		evening set	1204 Feb 13 j 08:28	12°  40'09	
	1203 Mar 02 j 02:08	30° 		inferior conj	1204 Feb 19 j 21:12	7°  39'14	3°40'42
inferior conj	1203 Mar 09 j 09:16	25°  17'06	3°11'54	minimum elong	1204 Feb 19 j 22:35	7°  35'51	3°40'36
minimum elong	1203 Mar 09 j 12:39	25°  09'52	3°11'17	min. Earth dist.	1204 Feb 22 j 23:20	4°  38'35	0.61427 AU
min. Earth dist.	1203 Mar 12 j 19:28	22°  23'42	0.59300 AU	morning rise	1204 Feb 26 j 11:10	1°  46'08	
morning rise	1203 Mar 16 j 16:53	19°  41'22			1204 Feb 29 j 20:33	30° 	
desc. node	1203 Mar 22 j 19:47	17°  53'06		direct	1204 Mar 04 j 07:42	29°  23'56	
direct	1203 Mar 23 j 01:08	17°  52'58			1204 Mar 07 j 22:10	0° 	
morning max el	1203 Apr 06 j 09:05	25°  37'36	27°12'33	desc. node	1204 Mar 08 j 16:48	0°  16'37	
	1203 Apr 10 j 10:44	0° 		morning max el	1204 Mar 18 j 11:38	7°  16'46	27°46'02
	1203 Apr 30 j 02:44	0° 			1204 Apr 04 j 18:02	0° 	
morning set	1203 May 07 j 03:33	13°  55'19		morning set	1204 Apr 20 j 08:30	28°  27'15	
asc. node	1203 May 10 j 23:17	22°  04'09			1204 Apr 21 j 02:31	0° 	
				max. Earth dist.	1204 Apr 26 j 07:49	11°  06'05	1.32422 AU
superior conj	1203 May 14 j 06:02	29°  15'01	0°34'07	asc. node	1204 Apr 26 j 20:20	12°  14'08	
minimum elong	1203 May 14 j 04:35	29°  07'00	0°33'49				
max. Earth dist.	1203 May 13 j 20:49	28°  24'21	1.32244 AU	superior conj	1204 Apr 27 j 16:40	14°  05'01	0°08'58
	1203 May 14 j 14:13	0° 		minimum elong	1204 Apr 27 j 16:15	14°  02'45	0°08'53
evening rise	1203 May 21 j 03:09	14°  11'14		behind sun begin	1204 Apr 27 j 12:00	13°  39'32	
	1203 May 29 j 02:37	0° 		behind sun end	1204 Apr 27 j 20:30	14°  25'58	
desc. node	1203 Jun 18 j 19:04	29°  18'45		evening rise	1204 May 04 j 14:25	29°  04'18	
evening max el	1203 Jun 18 j 18:44	29°  17'57	26°09'05		1204 May 05 j 00:57	0° 	
	1203 Jun 19 j 12:46	0° 			1204 May 21 j 20:30	0° 	
retrograde	1203 Jul 02 j 18:52	6°  29'16		evening max el	1204 May 30 j 11:13	10°  24'41	24°48'09
evening set	1203 Jul 09 j 03:20	4°  25'04		desc. node	1204 Jun 04 j 16:05	14°  26'02	
min. Earth dist.	1203 Jul 13 j 07:28	2°  13'43	0.59170 AU	retrograde	1204 Jun 13 j 10:10	17°  19'22	
	1203 Jul 16 j 06:19	30° 		evening set	1204 Jun 18 j 13:19	16°  19'33	
inferior conj	1203 Jul 16 j 14:59	29°  24'32	-4°50'21	min. Earth dist.	1204 Jun 23 j 22:30	13°  29'40	0.57215 AU
minimum elong	1203 Jul 16 j 16:53	29°  29'51	4°50'15	inferior conj	1204 Jun 26 j 20:47	11°  34'22	-4°46'31
morning rise	1203 Jul 24 j 08:35	25°  14'04		minimum elong	1204 Jun 26 j 17:51	11°  39'12	4°46'17
direct	1203 Jul 26 j 20:16	24°  25'55		morning rise	1204 Jul 05 j 01:07	7°  26'41	
morning max el	1203 Aug 03 j 17:22	28°  39'34	18°27'33	direct	1204 Jul 07 j 15:35	7°  20'30	
	1203 Aug 05 j 00:45	0° 		morning max el	1204 Jul 16 j 17:47	11°  21'50	19°16'08
asc. node	1203 Aug 06 j 22:29	2°  21'46		asc. node	1204 Jul 23 j 19:31	20°  18'41	
morning set	1203 Aug 19 j 19:55	24°  18'39			1204 Jul 29 j 09:07	0° 	
	1203 Aug 22 j 18:55	0° 		morning set	1204 Aug 02 j 19:10	8°  23'54	
superior conj	1203 Aug 28 j 20:19	11°  27'25	1°36'54	superior conj	1204 Aug 10 j 23:38	24°  25'40	1°45'25
minimum elong	1203 Aug 28 j 23:13	11°  40'50	1°36'41	minimum elong	1204 Aug 11 j 00:32	24°  55'01	1°45'24
max. Earth dist.	1203 Sep 05 j 06:23	24°  45'34	1.40227 AU		1204 Aug 13 j 16:01	0° 	
	1203 Sep 08 j 08:02	0° 		max. Earth dist.	1204 Aug 17 j 09:50	6°  58'15	1.38183 AU
evening rise	1203 Sep 09 j 15:10	2°  10'17		evening rise	1204 Aug 21 j 04:35	13°  44'14	
desc. node	1203 Sep 14 j 18:22	10°  23'16			1204 Aug 30 j 23:14	0° 	
	1203 Sep 27 j 16:57	0° 		desc. node	1204 Aug 31 j 15:23	1°  23'26	
evening max el	1203 Oct 14 j 09:23	20°  57'38	23°37'39		1204 Sep 21 j 14:56	0° 	
retrograde	1203 Oct 25 j 01:05	27°  14'53		evening max el	1204 Sep 25 j 21:22	4°  34'15	24°55'37
evening set	1203 Oct 30 j 02:57	25°  08'21		retrograde	1204 Oct 07 j 14:02	11°  21'59	
asc. node	1203 Nov 02 j 21:43	20°  55'39		evening set	1204 Oct 13 j 06:11	8°  58'45	
min. Earth dist.	1203 Nov 04 j 00:28	19°  25'43	0.67701 AU	min. Earth dist.	1204 Oct 17 j 19:17	3°  50'21	0.67317 AU
inferior conj	1203 Nov 04 j 12:14	18°  45'33	0°33'01	inferior conj	1204 Oct 18 j 17:40	2°  36'33	-0°21'38
minimum elong	1203 Nov 04 j 11:27	18°  48'12	0°32'41	minimum elong	1204 Oct 18 j 18:13	2°  34'46	0°21'24
morning rise	1203 Nov 09 j 19:55	12°  38'22		asc. node	1204 Oct 19 j 18:44	1°  14'44	
direct	1203 Nov 13 j 22:13	11°  04'13			1204 Oct 20 j 18:39	30° 	
morning max el	1203 Nov 22 j 06:47	15°  55'32	20°59'40	morning rise	1204 Oct 24 j 06:22	26°  23'55	
	1203 Dec 03 j 11:47	0° 		direct	1204 Oct 27 j 20:10	25°  22'15	
desc. node	1203 Dec 11 j 17:36	11°  27'59					



morning max el	1204 Nov 04 j 07:38	29° $\Omega$ 38'01	19°50'22	morning set	1205 Nov 09 j 14:30	15° $\mathbb{M}$ 17'48	
	1204 Nov 04 j 16:14	0° $\mathbb{M}$		desc. node	1205 Nov 14 j 11:40	22° $\mathbb{M}$ 57'58	
	1204 Nov 26 j 01:24	0° $\mathbb{A}$			1205 Nov 18 j 23:16	0° $\mathbb{A}$	
desc. node	1204 Nov 27 j 14:37	2° $\mathbb{A}$ 22'52		max. Earth dist.	1205 Nov 24 j 15:19	8° $\mathbb{A}$ 54'08	1.44963 AU
morning set	1204 Nov 30 j 04:17	6° $\mathbb{A}$ 20'28					
max. Earth dist.	1204 Dec 11 j 23:08	24° $\mathbb{A}$ 47'55	1.44140 AU	superior conj	1205 Nov 26 j 02:36	11° $\mathbb{A}$ 13'00	-1°12'15
	1204 Dec 15 j 05:08	0° $\mathbb{B}$		minimum elong	1205 Nov 25 j 18:20	10° $\mathbb{A}$ 40'24	1°11'20
					1205 Dec 07 j 21:46	0° $\mathbb{B}$	
superior conj	1204 Dec 16 j 18:52	2° $\mathbb{B}$ 32'22	-1°46'43	evening rise	1205 Dec 11 j 08:53	5° $\mathbb{B}$ 36'03	
minimum elong	1204 Dec 16 j 11:43	2° $\mathbb{B}$ 03'28	1°46'11		1205 Dec 26 j 19:12	0° $\mathbb{A}$	
evening rise	1204 Dec 30 j 05:37	24° $\mathbb{B}$ 55'37		evening max el	1206 Jan 01 j 00:32	6° $\mathbb{A}$ 30'44	18°41'38
	1205 Jan 02 j 05:02	0° $\mathbb{A}$		asc. node	1206 Jan 02 j 15:05	8° $\mathbb{A}$ 00'19	
asc. node	1205 Jan 15 j 18:04	21° $\mathbb{A}$ 07'13		retrograde	1206 Jan 07 j 16:41	10° $\mathbb{A}$ 14'04	
evening max el	1205 Jan 17 j 12:59	23° $\mathbb{A}$ 06'11	18°15'22	evening set	1206 Jan 10 j 20:14	9° $\mathbb{A}$ 17'51	
retrograde	1205 Jan 24 j 00:19	26° $\mathbb{A}$ 34'30		inferior conj	1206 Jan 16 j 14:27	3° $\mathbb{A}$ 39'29	3°33'14
evening set	1205 Jan 26 j 22:18	25° $\mathbb{A}$ 49'42		minimum elong	1206 Jan 16 j 12:32	3° $\mathbb{A}$ 45'18	3°32'58
inferior conj	1205 Feb 02 j 00:13	20° $\mathbb{A}$ 29'08	3°45'39	min. Earth dist.	1206 Jan 18 j 11:15	1° $\mathbb{A}$ 24'02	0.65044 AU
minimum elong	1205 Feb 01 j 23:39	20° $\mathbb{A}$ 30'43	3°45'38		1206 Jan 19 j 16:24	30° $\mathbb{R}$ $\mathbb{B}$	
min. Earth dist.	1205 Feb 04 j 12:30	17° $\mathbb{A}$ 43'23	0.63397 AU	morning rise	1206 Jan 22 j 04:23	27° $\mathbb{B}$ 30'35	
morning rise	1205 Feb 08 j 00:09	14° $\mathbb{A}$ 25'52		direct	1206 Jan 28 j 21:45	24° $\mathbb{B}$ 38'16	
direct	1205 Feb 14 j 23:04	11° $\mathbb{A}$ 41'13			1206 Feb 08 j 15:39	0° $\mathbb{A}$	
desc. node	1205 Feb 23 j 13:50	15° $\mathbb{A}$ 04'09		desc. node	1206 Feb 10 j 10:52	1° $\mathbb{A}$ 40'07	
morning max el	1205 Feb 28 j 19:07	19° $\mathbb{A}$ 35'38	27°42'12	morning max el	1206 Feb 11 j 04:39	2° $\mathbb{A}$ 24'00	27°04'24
	1205 Mar 09 j 16:31	0° $\mathbb{H}$			1206 Mar 03 j 22:00	0° $\mathbb{H}$	
	1205 Mar 28 j 16:43	0° $\mathbb{Y}$		morning set	1206 Mar 18 j 19:59	26° $\mathbb{H}$ 13'31	
morning set	1205 Apr 04 j 07:00	12° $\mathbb{Y}$ 36'36			1206 Mar 20 j 18:22	0° $\mathbb{Y}$	
max. Earth dist.	1205 Apr 09 j 13:08	23° $\mathbb{Y}$ 25'59	1.33000 AU	max. Earth dist.	1206 Mar 23 j 08:55	5° $\mathbb{Y}$ 13'19	1.34025 AU
superior conj	1205 Apr 12 j 00:27	28° $\mathbb{Y}$ 42'21	-0°17'56	superior conj	1206 Mar 27 j 03:23	13° $\mathbb{Y}$ 00'30	-0°45'28
minimum elong	1205 Apr 12 j 01:19	28° $\mathbb{Y}$ 47'02	0°17'43	minimum elong	1206 Mar 27 j 05:38	13° $\mathbb{Y}$ 12'18	0°45'00
	1205 Apr 12 j 14:53	0° $\mathbb{B}$		asc. node	1206 Mar 31 j 14:25	22° $\mathbb{Y}$ 26'13	
asc. node	1205 Apr 13 j 17:23	2° $\mathbb{B}$ 22'58		evening rise	1206 Apr 03 j 12:37	28° $\mathbb{Y}$ 36'00	
evening rise	1205 Apr 19 j 02:11	13° $\mathbb{B}$ 54'41			1206 Apr 04 j 04:45	0° $\mathbb{B}$	
	1205 Apr 27 j 05:23	0° $\mathbb{I}$			1206 Apr 22 j 10:25	0° $\mathbb{I}$	
evening max el	1205 May 12 j 01:14	20° $\mathbb{I}$ 47'16	23°13'39	evening max el	1206 Apr 23 j 20:08	1° $\mathbb{I}$ 25'56	21°40'16
desc. node	1205 May 22 j 13:05	27° $\mathbb{I}$ 11'05		retrograde	1206 May 06 j 05:12	7° $\mathbb{I}$ 29'23	
retrograde	1205 May 25 j 13:25	27° $\mathbb{I}$ 31'47		evening set	1206 May 08 j 17:09	7° $\mathbb{I}$ 15'20	
evening set	1205 May 29 j 04:45	27° $\mathbb{I}$ 02'42		desc. node	1206 May 09 j 10:06	7° $\mathbb{I}$ 06'29	
min. Earth dist.	1205 Jun 05 j 10:57	23° $\mathbb{I}$ 45'47	0.55703 AU	inferior conj	1206 May 18 j 03:07	3° $\mathbb{I}$ 13'26	-2°27'04
inferior conj	1205 Jun 07 j 06:54	22° $\mathbb{I}$ 41'20	-3°59'49	minimum elong	1206 May 17 j 20:35	3° $\mathbb{I}$ 22'35	2°24'56
minimum elong	1205 Jun 06 j 23:42	22° $\mathbb{I}$ 51'55	3°58'14	min. Earth dist.	1206 May 17 j 23:19	3° $\mathbb{I}$ 18'45	0.54969 AU
morning rise	1205 Jun 15 j 21:17	18° $\mathbb{I}$ 47'15			1206 May 24 j 15:31	30° $\mathbb{R}$ $\mathbb{B}$	
direct	1205 Jun 18 j 15:38	18° $\mathbb{I}$ 28'48		morning rise	1206 May 27 j 00:55	29° $\mathbb{B}$ 17'12	
morning max el	1205 Jun 29 j 07:38	23° $\mathbb{I}$ 24'57	20°25'48	direct	1206 May 30 j 03:20	28° $\mathbb{B}$ 56'04	
	1205 Jul 04 j 23:52	0° $\mathbb{O}$			1206 Jun 04 j 09:27	0° $\mathbb{I}$	
asc. node	1205 Jul 10 j 16:35	9° $\mathbb{O}$ 02'20		morning max el	1206 Jun 11 j 10:08	4° $\mathbb{I}$ 43'37	21°54'11
morning set	1205 Jul 18 j 00:38	23° $\mathbb{O}$ 12'47		asc. node	1206 Jun 27 j 13:39	28° $\mathbb{I}$ 16'36	
	1205 Jul 21 j 07:45	0° $\mathbb{O}$			1206 Jun 28 j 10:57	0° $\mathbb{O}$	
				morning set	1206 Jul 02 j 10:03	8° $\mathbb{O}$ 01'53	
superior conj	1205 Jul 25 j 15:38	8° $\mathbb{O}$ 52'49	1°45'16				
minimum elong	1205 Jul 25 j 14:51	8° $\mathbb{O}$ 48'54	1°45'15	superior conj	1206 Jul 09 j 16:21	23° $\mathbb{O}$ 21'05	1°38'10
max. Earth dist.	1205 Jul 30 j 15:58	18° $\mathbb{O}$ 49'22	1.36289 AU	minimum elong	1206 Jul 09 j 14:28	23° $\mathbb{O}$ 11'17	1°38'01
evening rise	1205 Aug 03 j 15:36	26° $\mathbb{O}$ 20'57			1206 Jul 12 j 21:20	0° $\mathbb{O}$	
	1205 Aug 05 j 15:42	0° $\mathbb{M}$		max. Earth dist.	1206 Jul 13 j 06:05	0° $\mathbb{O}$ 44'33	1.34710 AU
desc. node	1205 Aug 18 j 12:25	21° $\mathbb{M}$ 21'36		evening rise	1206 Jul 17 j 19:22	9° $\mathbb{O}$ 46'32	
	1205 Aug 24 j 09:40	0° $\mathbb{O}$			1206 Jul 29 j 03:15	0° $\mathbb{M}$	
evening max el	1205 Sep 08 j 09:07	18° $\mathbb{O}$ 12'59	26°04'14	desc. node	1206 Aug 05 j 09:26	11° $\mathbb{M}$ 18'14	
retrograde	1205 Sep 20 j 22:20	25° $\mathbb{O}$ 20'43			1206 Aug 20 j 02:26	0° $\mathbb{O}$	
evening set	1205 Sep 27 j 04:36	22° $\mathbb{O}$ 44'07		evening max el	1206 Aug 21 j 21:22	1° $\mathbb{O}$ 47'07	26°55'51
min. Earth dist.	1205 Oct 01 j 10:06	18° $\mathbb{O}$ 11'29	0.66603 AU	retrograde	1206 Sep 04 j 01:15	9° $\mathbb{O}$ 03'53	
inferior conj	1205 Oct 02 j 19:39	16° $\mathbb{O}$ 26'49	-1°18'34	evening set	1206 Sep 10 j 19:57	6° $\mathbb{O}$ 20'02	
minimum elong	1205 Oct 02 j 21:41	16° $\mathbb{O}$ 20'26	1°17'43	min. Earth dist.	1206 Sep 14 j 18:27	2° $\mathbb{O}$ 24'08	0.65539 AU
asc. node	1205 Oct 06 j 15:46	12° $\mathbb{O}$ 06'23		inferior conj	1206 Sep 16 j 16:05	0° $\mathbb{O}$ 12'05	-2°16'02
morning rise	1205 Oct 08 j 15:08	10° $\mathbb{O}$ 35'22		minimum elong	1206 Sep 16 j 19:38	0° $\mathbb{O}$ 01'47	2°14'41
direct	1205 Oct 11 j 18:35	9° $\mathbb{O}$ 38'44			1206 Sep 16 j 20:15	30° $\mathbb{R}$ $\mathbb{M}$	
morning max el	1205 Oct 18 j 15:40	13° $\mathbb{O}$ 28'59	18°55'45	morning rise	1206 Sep 22 j 19:58	24° $\mathbb{M}$ 32'55	
	1205 Oct 30 j 19:30	0° $\mathbb{M}$		asc. node	1206 Sep 23 j 12:49	24° $\mathbb{M}$ 14'03	

direct	1206 Sep 25 j 15:28	23° $\mathbb{M}$ 49'31		morning max el	1207 Sep 15 j 20:43	11° $\mathbb{M}$ 16'05	17°56'18
morning max el	1206 Oct 02 j 04:54	27° $\mathbb{M}$ 23'31	18°17'26		1207 Sep 28 j 14:51	0° $\mathbb{L}$	
	1206 Oct 04 j 12:36	0° $\mathbb{L}$		morning set	1207 Oct 02 j 22:40	7° $\mathbb{L}$ 23'13	
morning set	1206 Oct 21 j 04:48	25° $\mathbb{L}$ 40'21					
	1206 Oct 23 j 20:36	0° $\mathbb{M}$		superior conj	1207 Oct 15 j 20:46	29° $\mathbb{L}$ 00'04	0°22'32
desc. node	1206 Nov 01 j 08:43	13° $\mathbb{M}$ 40'29		minimum elong	1207 Oct 15 j 23:15	29° $\mathbb{L}$ 10'12	0°22'11
					1207 Oct 16 j 11:31	0° $\mathbb{M}$	
superior conj	1206 Nov 05 j 04:08	19° $\mathbb{M}$ 42'38	-0°25'09	desc. node	1207 Oct 19 j 05:45	4° $\mathbb{M}$ 26'55	
minimum elong	1206 Nov 05 j 00:51	19° $\mathbb{M}$ 29'43	0°24'42	max. Earth dist.	1207 Oct 21 j 04:41	7° $\mathbb{M}$ 34'15	1.44416 AU
max. Earth dist.	1206 Nov 07 j 10:11	23° $\mathbb{M}$ 15'36	1.45055 AU	evening rise	1207 Oct 31 j 23:57	24° $\mathbb{M}$ 27'21	
	1206 Nov 11 j 17:17	0° $\mathbb{X}$			1207 Nov 04 j 14:44	0° $\mathbb{X}$	
evening rise	1206 Nov 21 j 12:52	15° $\mathbb{X}$ 20'40			1207 Nov 25 j 10:27	0° $\mathbb{Z}$	
	1206 Nov 30 j 22:39	0° $\mathbb{Z}$		evening max el	1207 Nov 28 j 12:16	3° $\mathbb{Z}$ 28'48	20°23'13
greatest brilliancy	1206 Dec 02 j 22:51	3° $\mathbb{Z}$ 05'06	-0.7m	retrograde	1207 Dec 06 j 10:53	8° $\mathbb{Z}$ 09'24	
evening max el	1206 Dec 15 j 08:53	19° $\mathbb{Z}$ 59'24	19°24'56	asc. node	1207 Dec 07 j 09:10	8° $\mathbb{Z}$ 04'32	
asc. node	1206 Dec 20 j 12:07	23° $\mathbb{Z}$ 44'28		evening set	1207 Dec 10 j 05:58	6° $\mathbb{Z}$ 45'56	
retrograde	1206 Dec 22 j 13:03	24° $\mathbb{Z}$ 07'22		inferior conj	1207 Dec 15 j 15:52	0° $\mathbb{Z}$ 39'18	2°33'17
evening set	1206 Dec 25 j 23:32	22° $\mathbb{Z}$ 58'19		minimum elong	1207 Dec 15 j 13:13	0° $\mathbb{Z}$ 48'18	2°32'28
inferior conj	1206 Dec 31 j 12:34	17° $\mathbb{Z}$ 04'28	3°08'04		1207 Dec 16 j 03:28	30° $\mathbb{R}$ $\mathbb{X}$	
minimum elong	1206 Dec 31 j 09:59	17° $\mathbb{Z}$ 12'51	3°07'29	min. Earth dist.	1207 Dec 16 j 08:37	29° $\mathbb{X}$ 42'36	0.67150 AU
min. Earth dist.	1207 Jan 01 j 18:35	15° $\mathbb{Z}$ 27'15	0.66296 AU	morning rise	1207 Dec 20 j 20:17	24° $\mathbb{X}$ 26'10	
morning rise	1207 Jan 05 j 20:11	10° $\mathbb{Z}$ 52'32		direct	1207 Dec 26 j 12:22	21° $\mathbb{X}$ 55'32	
direct	1207 Jan 12 j 02:26	8° $\mathbb{Z}$ 06'12		morning max el	1208 Jan 06 j 22:30	28° $\mathbb{X}$ 44'06	24°38'59
morning max el	1207 Jan 24 j 13:59	15° $\mathbb{Z}$ 30'01	26°00'12		1208 Jan 08 j 03:47	0° $\mathbb{Z}$	
desc. node	1207 Jan 28 j 07:55	19° $\mathbb{Z}$ 33'42		desc. node	1208 Jan 15 j 04:57	8° $\mathbb{Z}$ 21'35	
	1207 Feb 05 j 13:01	0° $\mathbb{X}$			1208 Jan 30 j 07:53	0° $\mathbb{X}$	
	1207 Feb 24 j 17:59	0° $\mathbb{X}$		morning set	1208 Feb 11 j 23:51	20° $\mathbb{X}$ 58'06	
morning set	1207 Mar 01 j 19:26	9° $\mathbb{X}$ 06'07		max. Earth dist.	1208 Feb 15 j 15:45	27° $\mathbb{X}$ 32'25	1.37400 AU
max. Earth dist.	1207 Mar 05 j 17:13	16° $\mathbb{X}$ 29'30	1.35512 AU		1208 Feb 16 j 23:51	0° $\mathbb{X}$	
superior conj	1207 Mar 10 j 23:00	26° $\mathbb{X}$ 52'29	-1°12'15	superior conj	1208 Feb 22 j 08:03	10° $\mathbb{X}$ 08'18	-1°36'18
minimum elong	1207 Mar 11 j 02:29	27° $\mathbb{X}$ 10'08	1°11'41	minimum elong	1208 Feb 22 j 12:10	10° $\mathbb{X}$ 28'19	1°35'49
	1207 Mar 12 j 11:50	0° $\mathbb{Y}$		evening rise	1208 Mar 01 j 21:12	27° $\mathbb{X}$ 05'42	
asc. node	1207 Mar 18 j 11:29	12° $\mathbb{Y}$ 19'53			1208 Mar 03 j 08:22	0° $\mathbb{Y}$	
evening rise	1207 Mar 18 j 19:45	13° $\mathbb{Y}$ 02'17		asc. node	1208 Mar 04 j 08:31	1° $\mathbb{Y}$ 58'26	
	1207 Mar 27 j 17:12	0° $\mathbb{Z}$		evening max el	1208 Mar 18 j 18:00	24° $\mathbb{Y}$ 23'40	19°16'44
evening max el	1207 Apr 06 j 01:23	12° $\mathbb{Z}$ 35'31	20°19'21	retrograde	1208 Mar 27 j 19:00	28° $\mathbb{Y}$ 45'35	
retrograde	1207 Apr 16 j 18:34	17° $\mathbb{Z}$ 46'03		evening set	1208 Mar 29 j 22:17	28° $\mathbb{Y}$ 32'00	
evening set	1207 Apr 18 j 20:19	17° $\mathbb{Z}$ 35'16		inferior conj	1208 Apr 07 j 06:48	24° $\mathbb{Y}$ 22'41	1°21'50
desc. node	1207 Apr 26 j 07:07	14° $\mathbb{Z}$ 34'12		minimum elong	1208 Apr 07 j 09:56	24° $\mathbb{Y}$ 17'27	1°20'48
inferior conj	1207 Apr 27 j 22:27	13° $\mathbb{Z}$ 37'13	-0°28'30	min. Earth dist.	1208 Apr 10 j 03:14	22° $\mathbb{Y}$ 29'16	0.56322 AU
minimum elong	1207 Apr 27 j 21:07	13° $\mathbb{Z}$ 39'10	0°28'01	desc. node	1208 Apr 12 j 04:10	21° $\mathbb{Y}$ 14'40	
min. Earth dist.	1207 Apr 29 j 12:26	12° $\mathbb{Z}$ 41'32	0.55195 AU	morning rise	1208 Apr 15 j 18:42	19° $\mathbb{Y}$ 32'28	
morning rise	1207 May 06 j 20:29	9° $\mathbb{Z}$ 20'13		direct	1208 Apr 20 j 13:50	18° $\mathbb{Y}$ 39'34	
direct	1207 May 10 j 15:23	8° $\mathbb{Z}$ 49'07		morning max el	1208 May 04 j 18:22	25° $\mathbb{Y}$ 53'34	25°13'58
morning max el	1207 May 24 j 03:51	15° $\mathbb{Z}$ 25'47	23°34'22		1208 May 08 j 15:19	0° $\mathbb{Z}$	
	1207 Jun 04 j 15:01	0° $\mathbb{II}$			1208 May 27 j 12:48	0° $\mathbb{II}$	
asc. node	1207 Jun 14 j 10:44	17° $\mathbb{II}$ 53'35		morning set	1208 May 31 j 09:23	7° $\mathbb{II}$ 54'49	
morning set	1207 Jun 16 j 21:31	22° $\mathbb{II}$ 57'43		asc. node	1208 May 31 j 07:48	7° $\mathbb{II}$ 46'33	
	1207 Jun 20 j 04:41	0° $\mathbb{L}$					
				superior conj	1208 Jun 07 j 08:55	23° $\mathbb{II}$ 01'42	1°08'20
superior conj	1207 Jun 23 j 22:53	8° $\mathbb{L}$ 06'31	1°25'30	minimum elong	1208 Jun 07 j 06:32	22° $\mathbb{II}$ 48'44	1°07'56
minimum elong	1207 Jun 23 j 20:29	7° $\mathbb{L}$ 53'41	1°25'12	max. Earth dist.	1208 Jun 08 j 13:05	25° $\mathbb{II}$ 35'14	1.32718 AU
max. Earth dist.	1207 Jun 26 j 05:47	12° $\mathbb{L}$ 59'46	1.33518 AU		1208 Jun 10 j 14:03	0° $\mathbb{L}$	
evening rise	1207 Jul 01 j 11:27	23° $\mathbb{L}$ 48'22		evening rise	1208 Jun 14 j 12:13	8° $\mathbb{L}$ 15'39	
	1207 Jul 04 j 15:23	0° $\mathbb{Q}$			1208 Jun 26 j 01:27	0° $\mathbb{Q}$	
	1207 Jul 22 j 17:49	0° $\mathbb{M}$		desc. node	1208 Jul 09 j 03:29	19° $\mathbb{Q}$ 26'31	
desc. node	1207 Jul 23 j 06:28	0° $\mathbb{M}$ 44'06		evening max el	1208 Jul 16 j 17:35	27° $\mathbb{Q}$ 53'42	27°20'12
evening max el	1207 Aug 04 j 08:58	15° $\mathbb{M}$ 05'13	27°23'07		1208 Jul 19 j 02:19	0° $\mathbb{M}$	
retrograde	1207 Aug 17 j 22:11	22° $\mathbb{M}$ 23'27		retrograde	1208 Jul 30 j 12:41	5° $\mathbb{M}$ 10'28	
evening set	1207 Aug 25 j 01:24	19° $\mathbb{M}$ 41'33		evening set	1208 Aug 06 j 17:23	2° $\mathbb{M}$ 42'45	
min. Earth dist.	1207 Aug 28 j 18:02	16° $\mathbb{M}$ 20'43	0.64116 AU		1208 Aug 10 j 03:02	30° $\mathbb{R}$ $\mathbb{Q}$	
inferior conj	1207 Aug 31 j 04:32	13° $\mathbb{M}$ 46'59	-3°11'30	min. Earth dist.	1208 Aug 10 j 07:20	29° $\mathbb{Q}$ 50'19	0.62354 AU
minimum elong	1207 Aug 31 j 09:17	13° $\mathbb{M}$ 34'27	3°09'58	inferior conj	1208 Aug 13 j 06:05	27° $\mathbb{Q}$ 04'42	-4°01'01
morning rise	1207 Sep 06 j 18:10	8° $\mathbb{M}$ 23'38		minimum elong	1208 Aug 13 j 11:10	26° $\mathbb{Q}$ 52'44	3°59'49
direct	1207 Sep 09 j 08:13	7° $\mathbb{M}$ 49'55		morning rise	1208 Aug 20 j 06:23	22° $\mathbb{Q}$ 00'39	
asc. node	1207 Sep 10 j 09:55	7° $\mathbb{M}$ 55'47		direct	1208 Aug 22 j 17:30	21° $\mathbb{Q}$ 33'39	




































































































































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morning max el	1208 Aug 29 j 12:14	25°Ω00'21	17°53'15	asc. node	1209 Aug 14 j 04:02	9°Ω39'04	
	1208 Sep 02 j 15:14	0°♊			1209 Aug 26 j 22:52	0°♊	
morning set	1208 Sep 14 j 14:13	20°♊08'19		morning set	1209 Aug 28 j 21:29	3°♊38'11	
	1208 Sep 20 j 02:55	0°♊					
superior conj	1208 Sep 25 j 15:57	9°♊36'52	1°01'04	superior conj	1209 Sep 07 j 13:04	21°♊29'42	1°27'15
minimum elong	1208 Sep 25 j 20:40	9°♊56'56	1°00'29	minimum elong	1209 Sep 07 j 17:01	21°♊47'27	1°26'53
max. Earth dist.	1208 Oct 02 j 19:21	21°♊30'20	1.43128 AU		1209 Sep 12 j 08:53	0°♊	
desc. node	1208 Oct 05 j 02:47	25°♊14'21		max. Earth dist.	1209 Sep 15 j 04:10	4°♊47'08	1.41361 AU
	1208 Oct 08 j 02:34	0°♊		evening rise	1209 Sep 20 j 09:03	13°♊22'58	
evening rise	1208 Oct 10 j 09:09	3°♊34'12		desc. node	1209 Sep 21 j 23:49	15°♊58'51	
	1208 Oct 28 j 01:50	0°♊			1209 Oct 01 j 01:17	0°♊	
evening max el	1208 Nov 10 j 09:54	16°♊58'46	21°33'28		1209 Oct 23 j 14:31	0°♊	
retrograde	1208 Nov 19 j 08:04	22°♊17'21		evening max el	1209 Oct 24 j 02:19	0°♊30'07	22°51'31
asc. node	1208 Nov 23 j 06:12	20°♊52'10		retrograde	1209 Nov 03 j 03:00	6°♊27'27	
evening set	1208 Nov 23 j 13:40	20°♊37'57		evening set	1209 Nov 07 j 20:54	4°♊31'04	
inferior conj	1208 Nov 28 j 22:10	14°♊21'56	1°51'02	asc. node	1209 Nov 10 j 03:14	2°♊13'22	
minimum elong	1208 Nov 28 j 19:55	14°♊29'40	1°50'13		1209 Nov 11 j 21:13	30°♊	
min. Earth dist.	1208 Nov 29 j 03:10	14°♊04'38	0.67632 AU	inferior conj	1209 Nov 13 j 05:30	28°♊09'27	1°02'54
morning rise	1208 Dec 04 j 02:02	8°♊09'16		minimum elong	1209 Nov 13 j 04:05	28°♊14'20	1°02'19
direct	1208 Dec 09 j 02:55	5°♊59'40		min. Earth dist.	1209 Nov 12 j 23:46	28°♊29'17	0.67767 AU
morning max el	1208 Dec 19 j 07:47	12°♊03'24	23°10'50	morning rise	1209 Nov 18 j 11:10	21°♊59'25	
desc. node	1209 Jan 01 j 01:59	27°♊48'33		direct	1209 Nov 22 j 21:20	20°♊12'28	
	1209 Jan 02 j 15:35	0°♊		morning max el	1209 Dec 01 j 21:03	25°♊29'13	21°45'03
	1209 Jan 22 j 04:29	0°♊			1209 Dec 05 j 22:09	0°♊	
morning set	1209 Jan 23 j 03:01	1°♊33'50		desc. node	1209 Dec 18 j 23:02	17°♊43'21	
max. Earth dist.	1209 Jan 27 j 10:48	8°♊55'27	1.39519 AU		1209 Dec 27 j 03:49	0°♊	
				morning set	1210 Jan 03 j 01:00	10°♊45'48	
superior conj	1209 Feb 04 j 02:25	22°♊37'38	-1°54'45	max. Earth dist.	1210 Jan 09 j 09:39	21°♊06'39	1.41602 AU
minimum elong	1209 Feb 04 j 05:53	22°♊53'39	1°54'31		1210 Jan 14 j 15:49	0°♊	
	1209 Feb 08 j 00:49	0°♊		superior conj	1210 Jan 17 j 01:05	4°♊08'36	-2°03'38
evening rise	1209 Feb 13 j 14:09	10°♊38'55		minimum elong	1210 Jan 17 j 01:45	4°♊11'31	2°03'37
asc. node	1209 Feb 19 j 05:32	21°♊16'14		evening rise	1210 Jan 27 j 19:08	23°♊33'56	
	1209 Feb 24 j 10:20	0°♊			1210 Jan 31 j 07:20	0°♊	
evening max el	1209 Mar 01 j 20:10	6°♊47'25	18°34'09	asc. node	1210 Feb 06 j 02:33	10°♊06'31	
retrograde	1209 Mar 09 j 13:36	10°♊34'25		evening max el	1210 Feb 13 j 04:52	19°♊38'52	18°11'38
evening set	1209 Mar 11 j 22:19	10°♊14'22		retrograde	1210 Feb 20 j 02:09	23°♊07'00	
inferior conj	1209 Mar 19 j 11:36	5°♊46'36	2°41'38	evening set	1210 Feb 22 j 16:25	22°♊38'11	
minimum elong	1209 Mar 19 j 15:40	5°♊38'38	2°40'39	inferior conj	1210 Mar 01 j 13:05	17°♊49'40	3°27'29
min. Earth dist.	1209 Mar 22 j 21:24	3°♊08'27	0.58107 AU	minimum elong	1210 Mar 01 j 15:40	17°♊43'46	3°27'07
morning rise	1209 Mar 27 j 06:06	0°♊24'28		min. Earth dist.	1210 Mar 04 j 21:07	14°♊49'46	0.60209 AU
	1209 Mar 28 j 03:47	30°♊		morning rise	1210 Mar 08 j 12:49	12°♊05'20	
desc. node	1209 Mar 30 j 01:11	29°♊21'31		direct	1210 Mar 15 j 03:39	10°♊01'13	
direct	1209 Apr 02 j 02:28	28°♊57'40		desc. node	1210 Mar 16 j 22:12	10°♊09'46	
	1209 Apr 07 j 03:35	0°♊		morning max el	1210 Mar 29 j 10:23	17°♊50'58	27°31'15
morning max el	1209 Apr 16 j 11:30	6°♊35'10	26°37'20		1210 Apr 08 j 13:49	0°♊	
	1209 Apr 03 j 20:22	0°♊			1210 Apr 26 j 10:36	0°♊	
morning set	1209 May 15 j 19:57	22°♊47'17		morning set	1210 Apr 30 j 03:33	7°♊29'15	
asc. node	1209 May 18 j 04:50	27°♊49'54		asc. node	1210 May 05 j 01:51	17°♊59'07	
	1209 May 19 j 04:53	0°♊		max. Earth dist.	1210 May 06 j 12:52	21°♊10'16	1.32267 AU
superior conj	1209 May 22 j 20:32	7°♊59'57	0°47'29	superior conj	1210 May 07 j 08:03	22°♊55'28	0°23'43
minimum elong	1209 May 22 j 18:38	7°♊49'28	0°47'07	minimum elong	1210 May 07 j 07:00	22°♊49'41	0°23'30
max. Earth dist.	1209 May 23 j 00:39	8°♊22'34	1.32303 AU		1210 May 10 j 13:29	0°♊	
evening rise	1209 May 29 j 18:50	22°♊59'08		evening rise	1210 May 14 j 05:00	7°♊51'26	
	1209 Jun 02 j 05:06	0°♊			1210 May 25 j 17:57	0°♊	
	1209 Jun 20 j 03:55	0°♊		evening max el	1210 Jun 10 j 16:57	21°♊22'17	25°37'20
desc. node	1209 Jun 26 j 00:31	7°♊06'52		desc. node	1210 Jun 12 j 21:30	23°♊19'49	
evening max el	1209 Jun 28 j 20:40	10°♊00'40	26°44'11	retrograde	1210 Jun 24 j 17:46	28°♊32'04	
retrograde	1209 Jul 12 j 19:54	17°♊15'05		evening set	1210 Jun 30 j 14:54	27°♊10'22	
evening set	1209 Jul 19 j 15:20	15°♊15'20		min. Earth dist.	1210 Jul 05 j 05:13	24°♊29'36	0.58302 AU
min. Earth dist.	1209 Jul 23 j 10:22	12°♊37'45	0.60348 AU	inferior conj	1210 Jul 08 j 10:35	22°♊11'52	-4°53'16
inferior conj	1209 Jul 26 j 17:15	9°♊55'56	-4°38'16	minimum elong	1210 Jul 08 j 10:37	22°♊11'49	4°53'16
minimum elong	1209 Jul 26 j 20:59	9°♊48'13	4°37'48	morning rise	1210 Jul 16 j 08:47	17°♊52'01	
morning rise	1209 Aug 03 j 04:36	5°♊13'46		direct	1210 Jul 18 j 21:17	17°♊31'57	
direct	1209 Aug 05 j 15:16	4°♊51'08		morning max el	1210 Jul 27 j 05:51	21°♊29'12	18°45'35

asc. node	1210 Aug 01 j 01:04	27°☿11'48		inferior conj	1211 Jun 19 j 07:45	3°☿43'55	-4°32'34
	1210 Aug 02 j 22:06	0°♌		minimum elong	1211 Jun 19 j 02:40	3°☿51'53	4°31'51
morning set	1210 Aug 12 j 15:56	17°♌40'55			1211 Jun 26 j 15:26	30°♌II	
	1210 Aug 18 j 23:37	0°♍		morning rise	1211 Jun 27 j 16:26	29°♌43'05	
				direct	1211 Jun 30 j 08:31	29°♌24'17	
superior conj	1210 Aug 21 j 06:58	4°♍24'15	1°41'41		1211 Jul 03 j 22:03	0°☿	
minimum elong	1210 Aug 21 j 09:00	4°♍33'53	1°41'35	morning max el	1211 Jul 10 j 01:51	3°☿54'57	19°43'12
max. Earth dist.	1210 Aug 28 j 08:24	17°♍20'34	1.39354 AU	asc. node	1211 Jul 18 j 22:07	15°☿32'36	
evening rise	1210 Sep 01 j 08:37	24°♍17'58			1211 Jul 26 j 16:46	0°♌	
	1210 Sep 04 j 18:26	0°♎		morning set	1211 Jul 27 j 18:09	2°♌07'13	
desc. node	1210 Sep 08 j 20:50	6°♎36'43					
	1210 Sep 24 j 20:12	0°♏		superior conj	1211 Aug 04 j 16:11	18°♌05'01	1°46'18
evening max el	1210 Oct 06 j 15:25	14°♏05'01	24°11'34	minimum elong	1211 Aug 04 j 16:18	18°♌05'38	1°46'18
retrograde	1210 Oct 17 j 18:19	20°♏36'26		max. Earth dist.	1211 Aug 10 j 12:29	29°♌21'42	1.37353 AU
evening set	1210 Oct 23 j 02:05	18°♏22'51			1211 Aug 10 j 20:42	0°♍	
min. Earth dist.	1210 Oct 27 j 19:59	12°♏54'19	0.67575 AU	evening rise	1211 Aug 14 j 07:46	6°♍19'44	
asc. node	1210 Oct 28 j 00:16	12°♏39'55		desc. node	1211 Aug 26 j 17:52	27°♍03'28	
inferior conj	1210 Oct 28 j 12:08	11°♏59'50	0°10'14		1211 Aug 28 j 15:53	0°♎	
minimum elong	1210 Oct 28 j 11:53	12°♏00'40	0°10'07	evening max el	1211 Sep 19 j 03:20	27°♎43'34	25°26'32
transit middle	1210 Oct 28 j 11:53	12°♏00'40	0°10'07		1211 Sep 21 j 14:45	0°♏	
transit begin	1210 Oct 28 j 09:45	12°♏07'52		retrograde	1211 Oct 01 j 05:13	4°♏40'23	
transit end	1210 Oct 28 j 14:02	11°♏53'27		evening set	1211 Oct 07 j 03:30	2°♏11'07	
morning rise	1210 Nov 02 j 21:42	5°♏54'50			1211 Oct 09 j 08:04	30°♏♎	
direct	1210 Nov 06 j 18:28	4°♏29'35		min. Earth dist.	1211 Oct 11 j 13:23	27°♎17'45	0.67054 AU
morning max el	1210 Nov 14 j 17:14	9°♏04'43	20°28'28	inferior conj	1211 Oct 12 j 16:21	25°♎50'44	-0°45'36
	1210 Nov 30 j 12:16	0°♐		minimum elong	1211 Oct 12 j 17:31	25°♎46'59	0°45'06
desc. node	1210 Dec 05 j 20:04	7°♐58'04		asc. node	1211 Oct 14 j 21:19	23°♎05'51	
morning set	1210 Dec 13 j 00:31	18°♐58'30		morning rise	1211 Oct 18 j 07:43	19°♎53'38	
	1210 Dec 20 j 00:58	0°♑		direct	1211 Oct 21 j 16:57	18°♎47'28	
max. Earth dist.	1210 Dec 22 j 16:20	4°♑13'42	1.43367 AU	morning max el	1211 Oct 28 j 21:15	22°♎50'48	19°25'16
					1211 Nov 03 j 19:00	0°♏	
superior conj	1210 Dec 28 j 22:57	14°♑29'34	-1°58'07	greatest brilliancy	1211 Nov 11 j 16:03	11°♏27'31	-0.7m
minimum elong	1210 Dec 28 j 18:38	14°♑11'41	1°57'56	morning set	1211 Nov 21 j 23:58	27°♏20'36	
	1211 Jan 07 j 01:43	0°♒		desc. node	1211 Nov 22 j 17:06	28°♏27'04	
evening rise	1211 Jan 10 j 08:01	5°♒41'56			1211 Nov 23 j 17:02	0°♐	
asc. node	1211 Jan 23 j 23:34	28°♒20'09		max. Earth dist.	1211 Dec 05 j 06:27	18°♐05'56	1.44575 AU
	1211 Jan 25 j 05:43	0°♓					
evening max el	1211 Jan 27 j 16:52	2°♓48'26	18°08'35	superior conj	1211 Dec 08 j 18:34	23°♐40'04	-1°34'15
retrograde	1211 Feb 03 j 04:56	6°♓12'39		minimum elong	1211 Dec 08 j 10:08	23°♐06'26	1°33'28
evening set	1211 Feb 06 j 00:12	5°♓33'49			1211 Dec 12 j 17:12	0°♑	
inferior conj	1211 Feb 12 j 07:56	0°♓24'30	3°45'16	evening rise	1211 Dec 23 j 00:34	16°♑56'05	
minimum elong	1211 Feb 12 j 08:25	0°♓23'14	3°45'15		1211 Dec 30 j 21:03	0°♒	
	1211 Feb 12 j 17:23	30°♒♒		asc. node	1212 Jan 10 j 20:36	15°♒46'35	
min. Earth dist.	1211 Feb 15 j 04:40	27°♒27'52	0.62301 AU	evening max el	1212 Jan 11 j 05:20	16°♒09'12	18°24'21
morning rise	1211 Feb 18 j 15:28	24°♒26'42		retrograde	1212 Jan 17 j 17:36	19°♒42'25	
direct	1211 Feb 25 j 14:22	21°♒53'04		evening set	1212 Jan 20 j 17:56	18°♒52'44	
desc. node	1211 Mar 03 j 19:14	23°♒38'55		inferior conj	1212 Jan 26 j 16:12	13°♒24'07	3°42'10
morning max el	1211 Mar 11 j 15:04	29°♒47'03	27°48'49	minimum elong	1212 Jan 26 j 14:58	13°♒27'39	3°42'05
	1211 Mar 11 j 20:15	0°♓		min. Earth dist.	1212 Jan 28 j 21:48	10°♒50'13	0.64144 AU
	1211 Apr 02 j 12:58	0°♔		morning rise	1212 Feb 01 j 11:26	7°♒18'15	
morning set	1211 Apr 14 j 06:04	21°♔52'30		direct	1212 Feb 08 j 08:49	4°♒28'52	
	1211 Apr 18 j 03:55	0°♕		desc. node	1212 Feb 18 j 16:17	9°♒17'04	
max. Earth dist.	1211 Apr 19 j 21:51	3°♕43'59	1.32621 AU	morning max el	1212 Feb 21 j 23:47	12°♒20'01	27°29'56
					1212 Mar 07 j 02:51	0°♓	
superior conj	1211 Apr 21 j 17:43	7°♕41'04	-0°02'17		1212 Mar 25 j 00:42	0°♔	
minimum elong	1211 Apr 21 j 17:50	7°♕41'39	0°02'16	morning set	1212 Mar 28 j 00:57	5°♔49'16	
behind sun begin	1211 Apr 21 j 12:42	7°♕13'52		max. Earth dist.	1212 Apr 01 j 23:48	15°♔52'05	1.33391 AU
behind sun end	1211 Apr 21 j 22:57	8°♕09'28					
asc. node	1211 Apr 21 j 22:53	8°♕09'06		superior conj	1212 Apr 04 j 23:43	22°♔11'02	-0°29'34
evening rise	1211 Apr 28 j 16:43	22°♕44'23		minimum elong	1212 Apr 05 j 01:11	22°♔18'48	0°29'16
	1211 May 02 j 04:56	0°♖		asc. node	1212 Apr 07 j 19:55	28°♔15'57	
	1211 May 21 j 06:32	0°☿			1212 Apr 08 j 15:19	0°♕	
evening max el	1211 May 23 j 07:48	2°☿06'00	24°08'43	evening rise	1212 Apr 12 j 04:12	7°♕31'58	
desc. node	1211 May 30 j 18:30	7°☿31'04			1212 Apr 24 j 02:58	0°♖	
retrograde	1211 Jun 06 j 03:40	9°☿03'30		evening max el	1212 May 03 j 22:58	12°♖36'54	22°32'48
evening set	1211 Jun 10 j 15:36	8°☿18'40		desc. node	1212 May 16 j 15:32	19°♖05'40	
min. Earth dist.	1211 Jun 16 j 18:47	5°☿18'43	0.56503 AU	retrograde	1212 May 17 j 01:12	19°♖06'02	

evening set	1212 May 20 j 03:22	18° $\Pi$ 45'02		desc. node	1213 May 03 j 12:32	27° $\mathcal{B}$ 51'57	
min. Earth dist.	1212 May 28 j 06:34	15° $\Pi$ 13'11	0.55291 AU	inferior conj	1213 May 09 j 04:47	24° $\mathcal{B}$ 58'15	-1°37'57
inferior conj	1212 May 29 j 10:42	14° $\Pi$ 33'12	-3°25'24	minimum elong	1213 May 09 j 00:11	25° $\mathcal{B}$ 04'45	1°36'20
minimum elong	1212 May 29 j 03:02	14° $\Pi$ 44'08	3°23'20	min. Earth dist.	1213 May 09 j 19:12	24° $\mathcal{B}$ 37'52	0.54944 AU
morning rise	1212 Jun 07 j 04:51	10° $\Pi$ 40'52		morning rise	1213 May 18 j 03:53	20° $\mathcal{B}$ 55'27	
direct	1212 Jun 10 j 02:09	10° $\Pi$ 21'46		direct	1213 May 21 j 11:48	20° $\mathcal{B}$ 31'30	
morning max el	1212 Jun 21 j 10:43	15° $\Pi$ 38'26	21°01'25	morning max el	1213 Jun 03 j 09:10	26° $\mathcal{B}$ 40'47	22°36'02
	1212 Jul 02 j 06:13	0° $\mathcal{E}$			1213 Jun 06 j 13:55	0° $\Pi$	
asc. node	1212 Jul 04 j 19:11	4° $\mathcal{E}$ 30'05		asc. node	1213 Jun 21 j 16:15	23° $\Pi$ 55'05	
morning set	1212 Jul 11 j 01:32	16° $\mathcal{E}$ 49'54			1213 Jun 24 j 16:16	0° $\mathcal{E}$	
	1212 Jul 17 j 09:20	0° $\mathcal{O}$		morning set	1213 Jun 25 j 12:05	1° $\mathcal{E}$ 43'08	
superior conj	1212 Jul 18 j 12:17	2° $\mathcal{O}$ 19'13	1°43'01	superior conj	1213 Jul 02 j 15:51	16° $\mathcal{E}$ 56'35	1°33'25
minimum elong	1212 Jul 18 j 10:58	2° $\mathcal{O}$ 12'28	1°42'56	minimum elong	1213 Jul 02 j 13:42	16° $\mathcal{E}$ 45'08	1°33'12
max. Earth dist.	1212 Jul 22 j 21:51	11° $\mathcal{O}$ 12'40	1.35574 AU	max. Earth dist.	1213 Jul 05 j 16:01	23° $\mathcal{E}$ 15'25	1.34150 AU
evening rise	1212 Jul 27 j 02:27	19° $\mathcal{O}$ 18'10			1213 Jul 08 j 23:26	0° $\mathcal{O}$	
	1212 Aug 02 j 00:10	0° $\mathcal{M}$		evening rise	1213 Jul 10 j 12:00	3° $\mathcal{O}$ 01'03	
desc. node	1212 Aug 12 j 14:53	17° $\mathcal{M}$ 13'13			1213 Jul 25 j 20:14	0° $\mathcal{M}$	
	1212 Aug 21 j 17:30	0° $\mathcal{L}$		desc. node	1213 Jul 30 j 11:55	6° $\mathcal{M}$ 58'27	
evening max el	1212 Aug 31 j 15:15	11° $\mathcal{L}$ 20'50	26°28'45	evening max el	1213 Aug 14 j 03:12	24° $\mathcal{M}$ 49'07	27°10'43
retrograde	1212 Sep 13 j 11:07	18° $\mathcal{L}$ 33'14			1213 Aug 20 j 17:24	0° $\mathcal{L}$	
evening set	1212 Sep 19 j 23:11	15° $\mathcal{L}$ 52'24		retrograde	1213 Aug 27 j 11:43	2° $\mathcal{L}$ 07'58	
min. Earth dist.	1212 Sep 24 j 01:35	11° $\mathcal{L}$ 35'44	0.66194 AU		1213 Sep 02 j 15:05	30° $\mathcal{R}$ $\mathcal{M}$	
inferior conj	1212 Sep 25 j 16:13	9° $\mathcal{L}$ 38'48	-1°43'03	evening set	1213 Sep 03 j 10:44	29° $\mathcal{M}$ 23'15	
minimum elong	1212 Sep 25 j 18:54	9° $\mathcal{L}$ 30'38	1°41'57	min. Earth dist.	1213 Sep 07 j 06:23	25° $\mathcal{M}$ 42'56	0.64977 AU
asc. node	1212 Sep 30 j 18:24	4° $\mathcal{L}$ 25'22		inferior conj	1213 Sep 09 j 09:34	23° $\mathcal{M}$ 20'24	-2°40'01
morning rise	1212 Oct 01 j 15:07	3° $\mathcal{L}$ 52'28		minimum elong	1213 Sep 09 j 13:42	23° $\mathcal{M}$ 08'53	2°38'32
direct	1212 Oct 04 j 14:55	3° $\mathcal{L}$ 01'55		morning rise	1213 Sep 15 j 17:30	17° $\mathcal{M}$ 47'50	
morning max el	1212 Oct 11 j 07:51	6° $\mathcal{L}$ 43'49	18°37'30	asc. node	1213 Sep 17 j 15:27	17° $\mathcal{M}$ 12'25	
	1212 Oct 27 j 13:57	0° $\mathcal{M}$		direct	1213 Sep 18 j 10:17	17° $\mathcal{M}$ 09'07	
morning set	1212 Oct 31 j 21:25	6° $\mathcal{M}$ 52'25		morning max el	1213 Sep 24 j 22:37	20° $\mathcal{M}$ 38'50	18°06'19
desc. node	1212 Nov 08 j 14:09	19° $\mathcal{M}$ 05'29			1213 Oct 02 j 01:35	0° $\mathcal{L}$	
	1212 Nov 15 j 12:24	0° $\mathcal{X}$		morning set	1213 Oct 12 j 23:57	17° $\mathcal{L}$ 50'30	
superior conj	1212 Nov 16 j 20:52	2° $\mathcal{X}$ 07'30	-0°53'10	desc. node	1213 Oct 20 j 08:54	0° $\mathcal{M}$	
minimum elong	1212 Nov 16 j 14:10	1° $\mathcal{X}$ 41'11	0°52'18		1213 Oct 26 j 11:12	9° $\mathcal{M}$ 50'01	
max. Earth dist.	1212 Nov 17 j 00:36	2° $\mathcal{X}$ 22'10	1.45089 AU	superior conj	1213 Oct 27 j 02:36	10° $\mathcal{M}$ 51'24	-0°04'18
evening rise	1212 Dec 02 j 17:44	27° $\mathcal{X}$ 11'42		minimum elong	1213 Oct 27 j 02:03	10° $\mathcal{M}$ 49'14	0°04'14
	1212 Dec 04 j 11:57	0° $\mathcal{Z}$		behind sun begin	1213 Oct 26 j 15:36	10° $\mathcal{M}$ 07'35	
greatest brilliancy	1212 Dec 11 j 01:01	10° $\mathcal{Z}$ 25'07	-0.8m	behind sun end	1213 Oct 27 j 12:30	11° $\mathcal{M}$ 30'50	
evening max el	1212 Dec 24 j 15:42	29° $\mathcal{Z}$ 35'08	18°58'02	max. Earth dist.	1213 Oct 30 j 19:15	16° $\mathcal{M}$ 42'48	1.44865 AU
	1212 Dec 25 j 01:36	0° $\approx$			1213 Nov 08 j 07:02	0° $\mathcal{X}$	
asc. node	1212 Dec 27 j 17:40	2° $\approx$ 11'56		evening rise	1213 Nov 12 j 13:09	6° $\mathcal{X}$ 36'02	
retrograde	1212 Dec 31 j 12:10	3° $\approx$ 28'08		greatest brilliancy	1213 Nov 25 j 19:56	26° $\mathcal{X}$ 55'54	-0.7m
evening set	1213 Jan 03 j 18:28	2° $\approx$ 26'36			1213 Nov 27 j 21:42	0° $\mathcal{Z}$	
	1213 Jan 06 j 14:46	30° $\mathcal{R}$ $\mathcal{Z}$		evening max el	1213 Dec 07 j 22:00	13° $\mathcal{Z}$ 03'19	19°48'03
inferior conj	1213 Jan 09 j 10:10	26° $\mathcal{Z}$ 41'02	3°23'54	asc. node	1213 Dec 14 j 14:43	17° $\mathcal{Z}$ 21'24	
minimum elong	1213 Jan 09 j 07:53	26° $\mathcal{Z}$ 48'10	3°23'30	retrograde	1213 Dec 15 j 09:30	17° $\mathcal{Z}$ 24'49	
min. Earth dist.	1213 Jan 11 j 00:25	24° $\mathcal{Z}$ 41'28	0.65621 AU	evening set	1213 Dec 18 j 23:19	16° $\mathcal{Z}$ 09'59	
morning rise	1213 Jan 14 j 20:59	20° $\mathcal{Z}$ 30'26		inferior conj	1213 Dec 24 j 10:47	10° $\mathcal{Z}$ 10'15	2°54'21
direct	1213 Jan 21 j 09:58	17° $\mathcal{Z}$ 39'30		minimum elong	1213 Dec 24 j 08:06	10° $\mathcal{Z}$ 19'09	2°53'39
morning max el	1213 Feb 03 j 09:43	25° $\mathcal{Z}$ 17'51	26°39'54	min. Earth dist.	1213 Dec 25 j 11:00	8° $\mathcal{Z}$ 50'01	0.66701 AU
desc. node	1213 Feb 04 j 13:19	26° $\mathcal{Z}$ 28'56		morning rise	1213 Dec 29 j 16:39	3° $\mathcal{Z}$ 57'19	
	1213 Feb 07 j 17:06	0° $\approx$		direct	1214 Jan 04 j 17:02	1° $\mathcal{Z}$ 16'36	
	1213 Feb 28 j 14:27	0° $\mathcal{H}$		morning max el	1214 Jan 16 j 18:43	8° $\mathcal{Z}$ 27'54	25°27'06
morning set	1213 Mar 11 j 08:48	19° $\mathcal{H}$ 09'00		desc. node	1214 Jan 22 j 10:22	14° $\mathcal{Z}$ 47'28	
max. Earth dist.	1213 Mar 15 j 15:04	27° $\mathcal{H}$ 26'17	1.34604 AU		1214 Feb 02 j 16:51	0° $\approx$	
	1213 Mar 16 j 21:45	0° $\mathcal{Y}$			1214 Feb 21 j 03:14	0° $\mathcal{H}$	
superior conj	1213 Mar 19 j 23:53	6° $\mathcal{Y}$ 18'42	-0°57'00	morning set	1214 Feb 22 j 00:55	1° $\mathcal{H}$ 37'49	
minimum elong	1213 Mar 20 j 02:42	6° $\mathcal{Y}$ 33'16	0°56'29	max. Earth dist.	1214 Feb 25 j 18:26	8° $\mathcal{H}$ 31'48	1.36264 AU
asc. node	1213 Mar 25 j 16:59	18° $\mathcal{Y}$ 15'35		superior conj	1214 Mar 03 j 15:26	19° $\mathcal{H}$ 56'02	-1°22'57
evening rise	1213 Mar 27 j 13:31	22° $\mathcal{Y}$ 07'41		minimum elong	1214 Mar 03 j 19:17	20° $\mathcal{H}$ 15'16	1°22'23
	1213 Mar 31 j 10:46	0° $\mathcal{B}$			1214 Mar 08 j 14:58	0° $\mathcal{Y}$	
evening max el	1213 Apr 15 j 21:43	23° $\mathcal{B}$ 26'18	21°03'47	evening rise	1214 Mar 11 j 18:31	6° $\mathcal{Y}$ 24'38	
retrograde	1213 Apr 27 j 15:01	29° $\mathcal{B}$ 08'28		asc. node	1214 Mar 12 j 14:02	8° $\mathcal{Y}$ 03'10	
evening set	1213 Apr 29 j 20:28	28° $\mathcal{B}$ 56'51			1214 Mar 25 j 02:53	0° $\mathcal{B}$	

evening max el	1214 Mar 29 j 07:57	4°♄52'19	19°50'25	retrograde	1215 Mar 20 j 15:06	21°♄01'46	
retrograde	1214 Apr 08 j 07:41	9°♄40'57		evening set	1215 Mar 22 j 20:42	20°♄45'43	
evening set	1214 Apr 10 j 08:57	9°♄29'40		inferior conj	1215 Mar 30 j 20:56	16°♄29'24	1°59'54
inferior conj	1214 Apr 19 j 04:18	5°♄28'35	0°21'01	minimum elong	1215 Mar 31 j 00:53	16°♄22'21	1°58'44
minimum elong	1214 Apr 19 j 05:14	5°♄27'10	0°20'42	min. Earth dist.	1215 Apr 03 j 01:19	14°♄14'39	0.57019 AU
desc. node	1214 Apr 20 j 09:34	4°♄43'25		desc. node	1215 Apr 07 j 06:35	11°♄46'22	
min. Earth dist.	1214 Apr 21 j 09:19	4°♄07'11	0.55567 AU	morning rise	1215 Apr 08 j 02:00	11°♄25'01	
morning rise	1214 Apr 27 j 23:10	0°♄57'44		direct	1215 Apr 13 j 08:36	10°♄18'34	
direct	1214 May 02 j 03:36	0°♄18'56		morning max el	1215 Apr 27 j 15:43	17°♄44'02	25°52'10
morning max el	1214 May 16 j 00:53	7°♄14'10	24°17'38		1215 May 07 j 19:19	0°♄	
	1214 Jun 01 j 12:05	0°♄			1215 May 24 j 17:08	0°♄	
asc. node	1214 Jun 08 j 13:18	13°♄39'24		morning set	1215 May 25 j 11:25	1°♄35'49	
morning set	1214 Jun 09 j 23:54	16°♄40'08		asc. node	1215 May 26 j 10:21	3°♄37'20	
	1214 Jun 16 j 04:22	0°♄					
				superior conj	1215 Jun 01 j 11:05	16°♄44'33	0°59'54
superior conj	1214 Jun 17 j 00:09	1°♄47'20	1°18'44	minimum elong	1215 Jun 01 j 08:51	16°♄32'20	0°59'30
minimum elong	1214 Jun 16 j 21:43	1°♄34'06	1°18'22	max. Earth dist.	1215 Jun 02 j 04:40	18°♄20'54	1.32503 AU
max. Earth dist.	1214 Jun 18 j 19:05	5°♄38'55	1.33128 AU		1215 Jun 07 j 14:34	0°♄	
evening rise	1214 Jun 24 j 08:11	17°♄15'14		evening rise	1215 Jun 08 j 11:46	1°♄50'41	
	1214 Jun 30 j 22:29	0°♄			1215 Jun 23 j 20:48	0°♄	
desc. node	1214 Jul 17 j 08:56	26°♄07'47		desc. node	1215 Jul 04 j 05:55	14°♄26'14	
	1214 Jul 20 j 08:55	0°♄		evening max el	1215 Jul 09 j 20:38	20°♄29'00	27°08'56
evening max el	1214 Jul 27 j 13:50	7°♄56'16	27°25'47	retrograde	1215 Jul 23 j 17:43	27°♄44'04	
retrograde	1214 Aug 10 j 06:16	15°♄14'41		evening set	1215 Jul 30 j 19:49	25°♄27'03	
evening set	1214 Aug 17 j 10:58	12°♄37'13		min. Earth dist.	1215 Aug 03 j 10:53	22°♄42'33	0.61528 AU
min. Earth dist.	1214 Aug 21 j 01:52	9°♄29'26	0.63403 AU	inferior conj	1215 Aug 06 j 13:39	19°♄56'40	-4°18'48
inferior conj	1214 Aug 23 j 17:46	6°♄48'59	-3°33'31	minimum elong	1215 Aug 06 j 18:26	19°♄46'01	4°17'54
minimum elong	1214 Aug 23 j 22:49	6°♄36'17	3°32'05	morning rise	1215 Aug 13 j 18:37	15°♄01'16	
morning rise	1214 Aug 30 j 11:52	1°♄33'22		direct	1215 Aug 16 j 05:15	14°♄36'19	
direct	1214 Sep 02 j 00:13	1°♄02'58		asc. node	1215 Aug 22 j 09:32	17°♄21'06	
asc. node	1214 Sep 04 j 12:30	1°♄33'51		morning max el	1215 Aug 23 j 05:00	18°♄06'07	17°57'32
morning max el	1214 Sep 08 j 14:39	4°♄28'42	17°52'39		1215 Aug 31 j 18:17	0°♄	
morning set	1214 Sep 25 j 03:49	0°♄01'54		morning set	1215 Sep 08 j 02:42	13°♄07'50	
	1214 Sep 25 j 03:23	0°♄			1215 Sep 17 j 11:14	0°♄	
superior conj	1214 Oct 07 j 05:57	20°♄40'58	0°40'19	superior conj	1215 Sep 18 j 12:35	1°♄50'51	1°13'43
minimum elong	1214 Oct 07 j 09:52	20°♄57'09	0°39'47	minimum elong	1215 Sep 18 j 17:14	2°♄11'04	1°13'11
	1214 Oct 12 j 22:59	0°♄		max. Earth dist.	1215 Sep 26 j 00:23	14°♄33'17	1.42430 AU
desc. node	1214 Oct 13 j 08:15	0°♄37'12		desc. node	1215 Sep 30 j 05:16	21°♄23'35	
max. Earth dist.	1214 Oct 13 j 11:53	0°♄51'47	1.43940 AU	evening rise	1215 Oct 02 j 10:56	24°♄57'14	
evening rise	1214 Oct 22 j 21:10	15°♄36'50			1215 Oct 05 j 16:18	0°♄	
	1214 Nov 01 j 08:30	0°♄			1215 Oct 26 j 08:07	0°♄	
evening max el	1214 Nov 20 j 22:59	26°♄32'57	20°51'57	evening max el	1215 Nov 03 j 18:21	10°♄03'31	22°06'07
	1214 Nov 25 j 00:01	0°♄		retrograde	1215 Nov 13 j 03:25	15°♄38'09	
retrograde	1214 Nov 29 j 07:12	1°♄29'16		evening set	1215 Nov 17 j 14:07	13°♄51'37	
asc. node	1214 Dec 01 j 11:44	1°♄02'21		asc. node	1215 Nov 18 j 08:45	13°♄10'39	
evening set	1214 Dec 03 j 06:28	29°♄59'24		inferior conj	1215 Nov 22 j 22:30	7°♄33'01	1°31'15
	1214 Dec 03 j 06:09	30°♄♄		minimum elong	1215 Nov 22 j 20:34	7°♄39'42	1°30'29
inferior conj	1214 Dec 08 j 15:35	23°♄48'35	2°16'12	min. Earth dist.	1215 Nov 22 j 22:52	7°♄31'44	0.67735 AU
minimum elong	1214 Dec 08 j 13:03	23°♄57'16	2°15'20	morning rise	1215 Nov 28 j 02:53	1°♄21'24	
min. Earth dist.	1214 Dec 09 j 03:16	23°♄08'33	0.67397 AU		1215 Nov 30 j 03:40	30°♄♄	
morning rise	1214 Dec 13 j 19:27	17°♄35'19		direct	1215 Dec 02 j 21:30	29°♄21'15	
direct	1214 Dec 19 j 05:11	15°♄12'53			1215 Dec 05 j 19:54	0°♄	
morning max el	1214 Dec 30 j 03:01	21°♄43'23	24°01'42	morning max el	1215 Dec 12 j 13:24	5°♄04'06	22°33'36
	1215 Jan 06 j 07:33	0°♄		desc. node	1215 Dec 27 j 04:28	23°♄33'12	
desc. node	1215 Jan 09 j 07:26	3°♄53'34			1215 Dec 31 j 15:21	0°♄	
	1215 Jan 26 j 23:54	0°♄		morning set	1216 Jan 15 j 10:04	22°♄57'51	
morning set	1215 Feb 03 j 19:21	12°♄59'15			1216 Jan 19 j 15:36	0°♄	
max. Earth dist.	1215 Feb 07 j 14:04	19°♄37'01	1.38280 AU	max. Earth dist.	1216 Jan 20 j 10:13	1°♄18'54	1.40430 AU
	1215 Feb 13 j 06:04	0°♄					
				superior conj	1216 Jan 28 j 05:26	14°♄59'25	-1°59'59
superior conj	1215 Feb 14 j 18:50	2°♄53'48	-1°45'03	minimum elong	1216 Jan 28 j 08:01	15°♄11'05	1°59'51
minimum elong	1215 Feb 14 j 22:53	3°♄13'05	1°44'38		1216 Feb 05 j 07:48	0°♄	
evening rise	1215 Feb 23 j 16:43	20°♄16'00		evening rise	1216 Feb 07 j 04:59	3°♄33'20	
asc. node	1215 Feb 27 j 11:04	27°♄33'41		asc. node	1216 Feb 14 j 08:05	16°♄40'13	
	1215 Feb 28 j 18:15	0°♄		evening max el	1216 Feb 23 j 10:24	29°♄32'59	18°22'10
evening max el	1215 Mar 12 j 05:07	16°♄57'09	18°56'16		1216 Feb 23 j 21:50	0°♄	

retrograde	1216 Mar 01 j 17:41	3°Υ09'57		evening max el	1217 Feb 05 j 20:46	12°✕32'10	18°07'55
evening set	1216 Mar 04 j 04:58	2°Υ46'14		retrograde	1217 Feb 12 j 13:00	15°✕57'18	
	1216 Mar 09 j 03:29	30°✕		evening set	1217 Feb 15 j 05:21	15°✕24'22	
inferior conj	1216 Mar 11 j 10:41	28°✕09'25	3°04'59	inferior conj	1217 Feb 21 j 20:01	10°✕26'36	3°38'00
minimum elong	1216 Mar 11 j 14:19	28°✕01'51	3°04'15	minimum elong	1217 Feb 21 j 21:43	10°✕22'31	3°37'51
min. Earth dist.	1216 Mar 14 j 21:10	25°✕19'16	0.58985 AU	min. Earth dist.	1217 Feb 24 j 23:55	7°✕25'18	0.61115 AU
morning rise	1216 Mar 18 j 21:07	22°✕36'55		morning rise	1217 Feb 28 j 12:24	4°✕35'22	
desc. node	1216 Mar 24 j 03:36	20°✕56'37		direct	1217 Mar 07 j 07:43	2°✕17'33	
direct	1216 Mar 25 j 02:31	20°✕54'13		desc. node	1217 Mar 11 j 00:39	2°✕55'15	
morning max el	1216 Apr 08 j 10:55	28°✕37'03	27°04'32	morning max el	1217 Mar 21 j 12:38	10°✕10'04	27°43'27
	1216 Apr 09 j 19:43	0°Υ			1217 Apr 05 j 22:21	0°Υ	
	1216 Apr 30 j 12:06	0°♄			1217 Apr 22 j 15:13	0°♄	
morning set	1216 May 08 j 20:57	16°♄24'06		morning set	1217 Apr 23 j 02:40	0°♄58'38	
asc. node	1216 May 12 j 07:23	23°♄43'19		max. Earth dist.	1217 Apr 29 j 04:33	13°♄53'39	1.32365 AU
	1216 May 15 j 04:20	0°♅		asc. node	1217 Apr 29 j 04:25	13°♄52'54	
superior conj	1216 May 15 j 22:50	1°♅41'42	0°37'43	superior conj	1217 Apr 30 j 09:45	16°♄33'02	0°12'55
minimum elong	1216 May 15 j 21:15	1°♅32'59	0°37'24	minimum elong	1217 Apr 30 j 09:10	16°♄29'48	0°12'47
max. Earth dist.	1216 May 15 j 17:08	1°♅10'18	1.32246 AU	behind sun begin	1217 Apr 30 j 06:09	16°♄13'17	
evening rise	1216 May 22 j 20:09	16°♅38'28		behind sun end	1217 Apr 30 j 12:11	16°♄46'19	
	1216 May 29 j 12:13	0°♆			1217 May 06 j 14:03	0°♅	
	1216 Jun 18 j 14:47	0°♆		evening rise	1217 May 07 j 07:11	1°♅31'11	
desc. node	1216 Jun 20 j 02:54	1°♆32'54			1217 May 22 j 19:56	0°♆	
evening max el	1216 Jun 20 j 20:59	2°♆16'51	26°19'08	evening max el	1217 Jun 02 j 14:18	13°♆19'10	25°01'31
retrograde	1216 Jul 04 j 20:51	9°♆28'57		desc. node	1217 Jun 06 j 23:55	16°♆58'27	
evening set	1216 Jul 11 j 08:42	7°♆44'36		retrograde	1217 Jun 16 j 14:04	20°♆25'51	
min. Earth dist.	1216 Jul 15 j 09:54	5°♆08'08	0.59475 AU	evening set	1217 Jun 21 j 22:12	19°♆20'27	
inferior conj	1216 Jul 18 j 17:40	2°♆34'12	-4°48'06	min. Earth dist.	1217 Jun 27 j 01:48	16°♆33'28	0.57481 AU
minimum elong	1216 Jul 18 j 20:08	2°♆29'24	4°47'54	inferior conj	1217 Jun 30 j 02:31	14°♆31'40	-4°49'43
	1216 Jul 22 j 06:41	30°♆		minimum elong	1217 Jun 30 j 00:24	14°♆35'15	4°49'35
morning rise	1216 Jul 26 j 09:40	28°♆01'34		morning rise	1217 Jul 08 j 05:17	10°♆21'07	
direct	1216 Jul 28 j 21:04	27°♆40'02		direct	1217 Jul 10 j 19:08	10°♆01'47	
	1216 Aug 03 j 23:49	0°♆		morning max el	1217 Jul 19 j 16:32	14°♆11'16	19°07'34
morning max el	1216 Aug 05 j 14:40	1°♆23'32	18°22'08	asc. node	1217 Jul 26 j 03:39	22°♆14'27	
asc. node	1216 Aug 08 j 06:35	4°♆19'46			1217 Jul 30 j 18:11	0°♆	
morning set	1216 Aug 21 j 15:16	26°♆53'28		morning set	1217 Aug 05 j 13:24	11°♆07'14	
	1216 Aug 23 j 06:17	0°♇		superior conj	1217 Aug 13 j 20:24	27°♆28'52	1°44'44
superior conj	1216 Aug 30 j 19:18	14°♇12'24	1°34'43	minimum elong	1217 Aug 13 j 21:35	27°♆34'36	1°44'41
minimum elong	1216 Aug 30 j 22:30	14°♇27'03	1°34'28		1217 Aug 15 j 03:53	0°♇	
max. Earth dist.	1216 Sep 07 j 07:33	27°♇34'06	1.40526 AU	max. Earth dist.	1217 Aug 20 j 10:59	9°♇51'22	1.38484 AU
	1216 Sep 08 j 17:42	0°♈		evening rise	1217 Aug 24 j 06:25	16°♇37'10	
evening rise	1216 Sep 11 j 20:29	5°♈13'04			1217 Sep 01 j 07:02	0°♈	
desc. node	1216 Sep 16 j 02:17	12°♈05'49		desc. node	1217 Sep 02 j 23:17	2°♈39'29	
	1216 Sep 27 j 21:15	0°♉			1217 Sep 22 j 09:33	0°♉	
evening max el	1216 Oct 16 j 09:07	23°♉36'29	23°25'39	evening max el	1217 Sep 28 j 21:17	7°♉12'27	24°44'23
retrograde	1216 Oct 26 j 20:55	29°♉48'49		retrograde	1217 Oct 10 j 10:37	13°♉56'30	
evening set	1216 Oct 31 j 20:42	27°♉44'48		evening set	1217 Oct 16 j 00:32	11°♉35'41	
asc. node	1216 Nov 04 j 05:47	24°♉03'32		min. Earth dist.	1217 Oct 20 j 14:50	6°♉21'56	0.67396 AU
inferior conj	1216 Nov 06 j 05:46	21°♉22'06	0°41'02	inferior conj	1217 Oct 21 j 11:36	5°♉13'01	-0°13'09
minimum elong	1216 Nov 06 j 04:48	21°♉25'23	0°40'37	minimum elong	1217 Oct 21 j 11:56	5°♉11'56	0°13'01
min. Earth dist.	1216 Nov 05 j 19:31	21°♉57'14	0.67730 AU	transit middle	1217 Oct 21 j 11:56	5°♉11'56	0°13'01
morning rise	1216 Nov 11 j 12:52	15°♉14'10		transit begin	1217 Oct 21 j 10:17	5°♉17'24	
direct	1216 Nov 15 j 17:07	13°♉36'51		transit end	1217 Oct 21 j 13:35	5°♉06'28	
morning max el	1216 Nov 24 j 05:29	18°♉34'28	21°11'04	asc. node	1217 Oct 22 j 02:51	4°♉22'38	
	1216 Dec 03 j 13:34	0°♊			1217 Oct 25 j 22:50	30°♊	
desc. node	1216 Dec 13 j 01:31	13°♊37'23		morning rise	1217 Oct 26 j 23:26	29°♊11'07	
	1216 Dec 23 j 19:28	0°♋		direct	1217 Oct 30 j 14:56	27°♊54'36	
morning set	1216 Dec 24 j 20:42	1°♋38'52			1217 Nov 04 j 16:35	0°♋	
max. Earth dist.	1217 Jan 01 j 12:47	13°♋56'23	1.42412 AU	morning max el	1217 Nov 07 j 05:11	2°♋15'13	19°59'45
					1217 Nov 27 j 08:03	0°♋	
superior conj	1217 Jan 08 j 18:02	26°♋01'12	-2°03'20	desc. node	1217 Nov 29 j 22:35	3°♋58'39	
minimum elong	1217 Jan 08 j 16:46	25°♋55'49	2°03'19	morning set	1217 Dec 03 j 16:56	9°♋46'11	
	1217 Jan 11 j 01:27	0°♌		max. Earth dist.	1217 Dec 14 j 22:34	27°♋23'23	1.43957 AU
evening rise	1217 Jan 20 j 03:40	16°♌09'22			1217 Dec 16 j 13:42	0°♌	
	1217 Jan 27 j 23:04	0°♍		superior conj	1217 Dec 20 j 04:26	5°♌50'43	-1°50'20
asc. node	1217 Jan 31 j 05:05	5°♍15'44					

minimum elong	1217 Dec 19 j 21:57	5°  24'19	1°49'55	superior conj	1218 Nov 29 j 14:48	14°  37'32	-1°18'32
evening rise	1218 Jan 02 j 08:26	27°  55'21		minimum elong	1218 Nov 29 j 06:15	14°  03'47	1°17'36
	1218 Jan 03 j 13:27	0°  ≈			1218 Dec 09 j 06:05	0°  ≈	
asc. node	1218 Jan 18 j 02:07	23°  ≈10'52		evening rise	1218 Dec 14 j 15:09	8°  ≈44'04	
evening max el	1218 Jan 20 j 09:16	25°  ≈47'08	18°13'02		1218 Dec 27 j 20:30	0°  ≈	
retrograde	1218 Jan 26 j 20:33	29°  ≈14'01		evening max el	1219 Jan 03 j 21:09	9°  ≈10'50	18°36'39
evening set	1218 Jan 29 j 17:47	28°  ≈30'51		asc. node	1219 Jan 04 j 23:11	10°  ≈13'09	
inferior conj	1218 Feb 04 j 21:06	23°  ≈13'15	3°46'06	retrograde	1219 Jan 10 j 12:00	12°  ≈51'05	
minimum elong	1218 Feb 04 j 20:48	23°  ≈14'05	3°46'06	evening set	1219 Jan 13 j 14:44	11°  ≈56'33	
min. Earth dist.	1218 Feb 07 j 11:42	20°  ≈24'00	0.63120 AU	inferior conj	1219 Jan 19 j 09:54	6°  ≈20'45	3°35'59
morning rise	1218 Feb 10 j 22:52	17°  ≈11'12		minimum elong	1219 Jan 19 j 08:09	6°  ≈26'01	3°35'47
direct	1218 Feb 17 j 22:06	14°  ≈28'47		min. Earth dist.	1219 Jan 21 j 09:01	4°  ≈00'12	0.64823 AU
desc. node	1218 Feb 25 j 21:43	17°  ≈23'42		morning rise	1219 Jan 25 j 01:06	0°  ≈12'39	
morning max el	1218 Mar 03 j 19:31	22°  ≈23'40	27°45'03		1219 Jan 25 j 07:08	30°  R  ≈	
	1218 Mar 10 j 12:42	0°  ≈		direct	1219 Jan 31 j 19:45	27°  ≈20'35	
	1218 Mar 30 j 02:23	0°  ≈			1219 Feb 08 j 03:32	0°  ≈	
morning set	1218 Apr 07 j 02:20	15°  ≈12'14		desc. node	1219 Feb 12 j 18:47	3°  ≈45'22	
max. Earth dist.	1218 Apr 12 j 10:55	26°  ≈17'26	1.32886 AU	morning max el	1219 Feb 14 j 04:49	5°  ≈07'58	27°11'56
	1218 Apr 14 j 04:34	0°  ≈			1219 Mar 05 j 03:48	0°  ≈	
				morning set	1219 Mar 21 j 16:57	28°  ≈54'28	
superior conj	1218 Apr 14 j 18:09	1°  ≈13'04	-0°13'45		1219 Mar 22 j 06:25	0°  ≈	
minimum elong	1218 Apr 14 j 18:49	1°  ≈16'39	0°13'37	max. Earth dist.	1219 Mar 26 j 08:23	8°  ≈10'09	1.33846 AU
behind sun begin	1218 Apr 14 j 16:04	1°  ≈01'54					
behind sun end	1218 Apr 14 j 21:33	1°  ≈31'24		superior conj	1219 Mar 29 j 21:57	15°  ≈34'28	-0°41'16
asc. node	1218 Apr 16 j 01:27	4°  ≈02'11		minimum elong	1219 Mar 29 j 23:59	15°  ≈45'15	0°40'52
evening rise	1218 Apr 21 j 19:03	16°  ≈22'40		asc. node	1219 Apr 02 j 22:29	24°  ≈06'26	
	1218 Apr 28 j 13:54	0°  ≈			1219 Apr 05 j 17:16	0°  ≈	
evening max el	1218 May 15 j 04:20	23°  ≈53'43	23°28'01	evening rise	1219 Apr 06 j 05:49	1°  ≈05'43	
	1218 May 24 j 11:39	0°  ≈			1219 Apr 22 j 21:04	0°  ≈	
desc. node	1218 May 24 j 20:56	0°  ≈07'14		evening max el	1219 Apr 26 j 22:06	4°  ≈29'30	21°53'32
retrograde	1218 May 28 j 19:08	0°  ≈42'18		retrograde	1219 May 09 j 12:00	10°  ≈39'51	
evening set	1218 Jun 01 j 15:34	0°  ≈09'43		desc. node	1219 May 11 j 17:59	10°  ≈28'31	
	1218 Jun 02 j 04:46	30°  R  ≈		evening set	1219 May 12 j 03:08	10°  ≈24'25	
min. Earth dist.	1218 Jun 08 j 14:36	26°  ≈57'29	0.55886 AU	min. Earth dist.	1219 May 21 j 02:44	6°  ≈34'51	0.55026 AU
inferior conj	1218 Jun 10 j 15:23	25°  ≈44'55	-4°10'02	inferior conj	1219 May 21 j 12:58	6°  ≈20'31	-2°43'30
minimum elong	1218 Jun 10 j 08:36	25°  ≈55'03	4°08'41	minimum elong	1219 May 21 j 05:57	6°  ≈30'21	2°41'19
morning rise	1218 Jun 19 j 04:19	21°  ≈49'26		morning rise	1219 May 30 j 10:00	2°  ≈25'52	
direct	1218 Jun 21 j 21:58	21°  ≈30'58		direct	1219 Jun 02 j 10:58	2°  ≈05'23	
morning max el	1218 Jul 02 j 08:03	26°  ≈20'21	20°14'07	morning max el	1219 Jun 14 j 12:05	7°  ≈44'50	21°40'02
	1218 Jul 05 j 17:57	0°  ≈		asc. node	1219 Jun 29 j 21:47	0°  ≈02'08	
asc. node	1218 Jul 13 j 00:44	10°  ≈52'17			1219 Jun 29 j 21:20	0°  ≈	
morning set	1218 Jul 20 j 18:07	25°  ≈41'21		morning set	1219 Jul 05 j 03:04	10°  ≈28'44	
	1218 Jul 22 j 20:40	0°  ≈					
				superior conj	1219 Jul 12 j 10:23	25°  ≈50'11	1°39'37
superior conj	1218 Jul 28 j 10:47	11°  ≈25'36	1°45'46	minimum elong	1219 Jul 12 j 08:39	25°  ≈41'05	1°39'30
minimum elong	1218 Jul 28 j 10:14	11°  ≈22'49	1°45'45		1219 Jul 14 j 10:35	0°  ≈	
max. Earth dist.	1218 Aug 02 j 16:15	21°  ≈43'21	1.36558 AU	max. Earth dist.	1219 Jul 16 j 05:09	3°  ≈36'59	1.34923 AU
evening rise	1218 Aug 06 j 14:32	29°  ≈05'05		evening rise	1219 Jul 20 j 16:05	12°  ≈23'49	
	1218 Aug 07 j 02:34	0°  ≈			1219 Jul 30 j 11:30	0°  ≈	
desc. node	1218 Aug 20 j 20:17	22°  ≈59'41		desc. node	1219 Aug 07 j 17:19	12°  ≈59'55	
	1218 Aug 25 j 13:14	0°  ≈			1219 Aug 20 j 15:31	0°  ≈	
evening max el	1218 Sep 11 j 09:05	20°  ≈51'10	25°54'56	evening max el	1219 Aug 24 j 21:23	4°  ≈26'50	26°49'35
retrograde	1218 Sep 23 j 19:37	27°  ≈56'25		retrograde	1219 Sep 06 j 23:18	11°  ≈42'27	
evening set	1218 Sep 29 j 23:48	25°  ≈21'41		evening set	1219 Sep 13 j 16:22	8°  ≈59'12	
min. Earth dist.	1218 Oct 04 j 06:28	20°  ≈43'31	0.66732 AU	min. Earth dist.	1219 Sep 17 j 15:54	4°  ≈57'55	0.65720 AU
inferior conj	1218 Oct 05 j 14:14	19°  ≈03'24	-1°09'53	inferior conj	1219 Sep 19 j 11:39	2°  ≈49'45	-2°07'24
minimum elong	1218 Oct 05 j 16:03	18°  ≈57'41	1°09'06	minimum elong	1219 Sep 19 j 15:00	2°  ≈39'58	2°06'06
asc. node	1218 Oct 08 j 23:56	15°  ≈05'36			1219 Sep 22 j 00:21	30°  R  ≈	
morning rise	1218 Oct 11 j 08:36	13°  ≈10'16		morning rise	1219 Sep 25 j 14:13	27°  ≈08'35	
direct	1218 Oct 14 j 13:28	12°  ≈11'16		asc. node	1219 Sep 25 j 21:00	27°  ≈00'07	
morning max el	1218 Oct 21 j 12:12	16°  ≈04'37	19°02'50	direct	1219 Sep 28 j 10:46	26°  ≈23'22	
	1218 Nov 01 j 00:23	0°  ≈		morning max el	1219 Oct 05 j 00:50	29°  ≈59'04	18°22'05
morning set	1218 Nov 12 j 23:44	18°  ≈32'21			1219 Oct 05 j 01:13	0°  ≈	
desc. node	1218 Nov 16 j 19:36	24°  ≈31'54		morning set	1219 Oct 24 j 09:42	28°  ≈42'15	
	1218 Nov 20 j 07:25	0°  ≈			1219 Oct 25 j 04:54	0°  ≈	
max. Earth dist.	1218 Nov 27 j 14:12	11°  ≈25'53	1.44885 AU	desc. node	1219 Nov 03 j 16:38	15°  ≈13'29	



superior conj	1219 Nov 08 j 15:50	23° $\mathbb{M}$ 04'47	-0°32'37	behind sun begin	1220 Oct 18 j 03:57	2° $\mathbb{M}$ 07'21	
minimum elong	1219 Nov 08 j 11:35	22° $\mathbb{M}$ 48'03	0°32'03	behind sun end	1220 Oct 18 j 10:01	2° $\mathbb{M}$ 31'53	
max. Earth dist.	1219 Nov 10 j 09:16	25° $\mathbb{M}$ 47'46	1.45090 AU	desc. node	1220 Oct 20 j 13:39	5° $\mathbb{M}$ 59'29	
	1219 Nov 13 j 01:31	0° $\mathbb{M}$		max. Earth dist.	1220 Oct 23 j 04:01	10° $\mathbb{M}$ 08'00	1.44555 AU
evening rise	1219 Nov 24 j 22:29	18° $\mathbb{M}$ 36'39		evening rise	1220 Nov 03 j 11:20	27° $\mathbb{M}$ 47'02	
	1219 Dec 02 j 04:47	0° $\mathbb{M}$			1220 Nov 04 j 21:54	0° $\mathbb{M}$	
greatest brilliancy	1219 Dec 05 j 14:35	5° $\mathbb{M}$ 17'32	-0.8m	greatest brilliancy	1220 Nov 17 j 12:41	19° $\mathbb{M}$ 04'33	-0.6m
evening max el	1219 Dec 18 j 06:07	22° $\mathbb{M}$ 38'55	19°17'27		1220 Nov 25 j 06:37	0° $\mathbb{M}$	
asc. node	1219 Dec 22 j 20:15	26° $\mathbb{M}$ 08'40		evening max el	1220 Nov 30 j 10:14	6° $\mathbb{M}$ 07'52	20°13'37
retrograde	1219 Dec 25 j 08:01	26° $\mathbb{M}$ 42'36		retrograde	1220 Dec 08 j 05:47	10° $\mathbb{M}$ 43'24	
evening set	1219 Dec 28 j 17:24	25° $\mathbb{M}$ 35'28		asc. node	1220 Dec 08 j 17:18	10° $\mathbb{M}$ 42'06	
inferior conj	1220 Jan 03 j 07:02	19° $\mathbb{M}$ 43'36	3°12'33	evening set	1220 Dec 11 j 23:27	9° $\mathbb{M}$ 22'10	
minimum elong	1220 Jan 03 j 04:31	19° $\mathbb{M}$ 51'44	3°12'00	inferior conj	1220 Dec 17 j 09:42	3° $\mathbb{M}$ 17'07	2°39'05
min. Earth dist.	1220 Jan 04 j 15:07	18° $\mathbb{M}$ 00'37	0.66137 AU	minimum elong	1220 Dec 17 j 07:01	3° $\mathbb{M}$ 26'10	2°38'17
morning rise	1220 Jan 08 j 15:23	13° $\mathbb{M}$ 32'04		min. Earth dist.	1220 Dec 18 j 04:18	2° $\mathbb{M}$ 14'25	0.67049 AU
direct	1220 Jan 14 j 23:30	10° $\mathbb{M}$ 44'17			1220 Dec 19 j 21:35	30° $\mathbb{M}$ 47'02	
morning max el	1220 Jan 27 j 14:21	18° $\mathbb{M}$ 12'01	26°11'05	morning rise	1220 Dec 22 j 14:24	27° $\mathbb{M}$ 03'56	
desc. node	1220 Jan 30 j 15:50	21° $\mathbb{M}$ 28'36		direct	1220 Dec 28 j 08:37	24° $\mathbb{M}$ 30'36	
	1220 Feb 06 j 13:25	0° $\mathbb{M}$			1221 Jan 07 j 11:52	0° $\mathbb{M}$	
	1220 Feb 26 j 03:26	0° $\mathbb{M}$		morning max el	1221 Jan 08 j 23:01	1° $\mathbb{M}$ 25'26	24°51'42
morning set	1220 Mar 03 j 18:41	11° $\mathbb{M}$ 54'03		desc. node	1221 Jan 16 j 12:51	10° $\mathbb{M}$ 09'17	
max. Earth dist.	1220 Mar 07 j 18:29	19° $\mathbb{M}$ 30'27	1.35266 AU		1221 Jan 30 j 14:20	0° $\mathbb{M}$	
				morning set	1221 Feb 14 j 02:19	23° $\mathbb{M}$ 56'02	
superior conj	1220 Mar 12 j 18:48	29° $\mathbb{M}$ 30'22	-1°08'18		1221 Feb 17 j 10:57	0° $\mathbb{M}$	
minimum elong	1220 Mar 12 j 22:07	29° $\mathbb{M}$ 47'18	1°07'45	max. Earth dist.	1221 Feb 17 j 18:09	0° $\mathbb{M}$ 33'06	1.37097 AU
	1220 Mar 13 j 00:36	0° $\mathbb{M}$					
asc. node	1220 Mar 19 j 19:32	14° $\mathbb{M}$ 01'37		superior conj	1221 Feb 24 j 05:37	12° $\mathbb{M}$ 51'51	-1°32'58
evening rise	1220 Mar 20 j 13:33	15° $\mathbb{M}$ 34'21		minimum elong	1221 Feb 24 j 09:42	13° $\mathbb{M}$ 11'51	1°32'26
	1220 Mar 27 j 23:30	0° $\mathbb{M}$		evening rise	1221 Mar 04 j 15:59	29° $\mathbb{M}$ 41'26	
evening max el	1220 Apr 08 j 01:32	15° $\mathbb{M}$ 32'54	20°30'16		1221 Mar 04 j 19:42	0° $\mathbb{M}$	
retrograde	1220 Apr 19 j 01:00	20° $\mathbb{M}$ 51'37		asc. node	1221 Mar 06 j 16:35	3° $\mathbb{M}$ 42'46	
evening set	1220 Apr 21 j 03:19	20° $\mathbb{M}$ 40'48		evening max el	1221 Mar 21 j 16:29	27° $\mathbb{M}$ 15'13	19°24'49
desc. node	1220 Apr 27 j 15:00	18° $\mathbb{M}$ 13'47			1221 Mar 25 j 04:20	0° $\mathbb{M}$	
inferior conj	1220 Apr 30 j 07:25	16° $\mathbb{M}$ 43'01	-0°46'42	retrograde	1221 Mar 30 j 23:15	1° $\mathbb{M}$ 43'51	
minimum elong	1220 Apr 30 j 05:13	16° $\mathbb{M}$ 46'13	0°45'53	evening set	1221 Apr 02 j 01:46	1° $\mathbb{M}$ 31'03	
min. Earth dist.	1220 May 01 j 15:31	15° $\mathbb{M}$ 56'33	0.55102 AU		1221 Apr 06 j 05:12	30° $\mathbb{M}$ 47'02	
morning rise	1220 May 09 j 06:04	12° $\mathbb{M}$ 30'20		inferior conj	1221 Apr 10 j 13:11	27° $\mathbb{M}$ 24'06	1°06'47
direct	1220 May 12 j 21:52	12° $\mathbb{M}$ 01'27		minimum elong	1221 Apr 10 j 15:51	27° $\mathbb{M}$ 19'44	1°05'53
morning max el	1220 May 26 j 06:47	18° $\mathbb{M}$ 31'04	23°19'12	min. Earth dist.	1221 Apr 13 j 06:08	25° $\mathbb{M}$ 38'39	0.56098 AU
	1220 Jun 04 j 16:53	0° $\mathbb{M}$		desc. node	1221 Apr 14 j 12:00	24° $\mathbb{M}$ 52'46	
asc. node	1220 Jun 15 j 18:49	19° $\mathbb{M}$ 35'48		morning rise	1221 Apr 19 j 03:09	22° $\mathbb{M}$ 38'54	
morning set	1220 Jun 18 j 14:18	25° $\mathbb{M}$ 23'47		direct	1221 Apr 23 j 18:16	21° $\mathbb{M}$ 50'08	
	1220 Jun 20 j 18:22	0° $\mathbb{M}$		morning max el	1221 May 07 j 21:29	28° $\mathbb{M}$ 59'54	24°59'50
					1221 May 08 j 21:55	0° $\mathbb{M}$	
superior conj	1220 Jun 25 j 16:11	10° $\mathbb{M}$ 33'23	1°27'44		1221 May 28 j 23:46	0° $\mathbb{M}$	
minimum elong	1220 Jun 25 j 13:50	10° $\mathbb{M}$ 20'50	1°27'27	asc. node	1221 Jun 02 j 15:50	9° $\mathbb{M}$ 26'54	
max. Earth dist.	1220 Jun 28 j 03:29	15° $\mathbb{M}$ 48'52	1.33668 AU	morning set	1221 Jun 03 j 02:12	10° $\mathbb{M}$ 21'23	
evening rise	1220 Jul 03 j 06:33	26° $\mathbb{M}$ 20'41					
	1220 Jul 05 j 03:10	0° $\mathbb{M}$		superior conj	1221 Jun 10 j 01:49	25° $\mathbb{M}$ 28'00	1°11'12
	1220 Jul 22 j 19:57	0° $\mathbb{M}$		minimum elong	1221 Jun 09 j 23:25	25° $\mathbb{M}$ 14'53	1°10'49
desc. node	1220 Jul 24 j 14:20	2° $\mathbb{M}$ 31'08		max. Earth dist.	1221 Jun 11 j 09:45	28° $\mathbb{M}$ 21'41	1.32809 AU
evening max el	1220 Aug 06 j 09:05	17° $\mathbb{M}$ 47'38	27°20'51		1221 Jun 12 j 03:56	0° $\mathbb{M}$	
retrograde	1220 Aug 19 j 21:05	25° $\mathbb{M}$ 06'06		evening rise	1221 Jun 17 j 06:13	10° $\mathbb{M}$ 45'04	
evening set	1220 Aug 26 j 23:29	22° $\mathbb{M}$ 23'02			1221 Jun 27 j 09:31	0° $\mathbb{M}$	
min. Earth dist.	1220 Aug 30 j 16:48	18° $\mathbb{M}$ 57'26	0.64349 AU	desc. node	1221 Jul 11 j 11:20	21° $\mathbb{M}$ 21'23	
inferior conj	1220 Sep 02 j 01:26	16° $\mathbb{M}$ 26'19	-3°03'22		1221 Jul 19 j 01:08	0° $\mathbb{M}$	
minimum elong	1220 Sep 02 j 06:03	16° $\mathbb{M}$ 13'59	3°01'51	evening max el	1221 Jul 19 j 18:12	0° $\mathbb{M}$ 41'14	27°22'41
morning rise	1220 Sep 08 j 13:34	11° $\mathbb{M}$ 00'34		retrograde	1221 Aug 02 j 12:44	7° $\mathbb{M}$ 58'44	
direct	1220 Sep 11 j 04:16	10° $\mathbb{M}$ 25'39		evening set	1221 Aug 09 j 17:44	5° $\mathbb{M}$ 27'54	
asc. node	1220 Sep 11 j 18:03	10° $\mathbb{M}$ 27'21		min. Earth dist.	1221 Aug 13 j 07:40	2° $\mathbb{M}$ 31'56	0.62635 AU
morning max el	1220 Sep 17 j 16:28	13° $\mathbb{M}$ 52'20	17°58'22		1221 Aug 15 j 23:24	30° $\mathbb{M}$ 47'02	
	1220 Sep 28 j 22:32	0° $\mathbb{M}$		inferior conj	1221 Aug 16 j 04:47	29° $\mathbb{M}$ 47'05	-3°54'08
morning set	1220 Oct 04 j 23:46	10° $\mathbb{M}$ 14'04		minimum elong	1221 Aug 16 j 09:55	29° $\mathbb{M}$ 34'48	3°52'52
	1220 Oct 16 j 20:32	0° $\mathbb{M}$		morning rise	1221 Aug 23 j 03:29	24° $\mathbb{M}$ 40'03	
				direct	1221 Aug 25 j 14:48	24° $\mathbb{M}$ 12'17	
superior conj	1220 Oct 18 j 05:11	2° $\mathbb{M}$ 12'18	0°15'44	asc. node	1221 Aug 29 j 15:04	25° $\mathbb{M}$ 27'11	
minimum elong	1220 Oct 18 j 06:59	2° $\mathbb{M}$ 19'37	0°15'29	morning max el	1221 Sep 01 j 08:13	27° $\mathbb{M}$ 38'28	17°52'31

	1221 Sep 03 j 11:14	0°♎		superior conj	1222 Sep 10 j 13:42	24°♎18'49	1°24'05
morning set	1221 Sep 17 j 12:27	22°♎50'49		minimum elong	1222 Sep 10 j 17:53	24°♎37'27	1°23'39
	1221 Sep 21 j 13:09	0°♏			1222 Sep 13 j 19:13	0°♏	
				max. Earth dist.	1222 Sep 18 j 04:39	7°♏29'59	1.41648 AU
superior conj	1221 Sep 28 j 20:13	12°♏36'49	0°56'00	evening rise	1222 Sep 23 j 16:30	16°♏31'03	
minimum elong	1221 Sep 29 j 00:50	12°♏56'18	0°55'25	desc. node	1222 Sep 24 j 07:42	17°♏32'02	
max. Earth dist.	1221 Oct 05 j 19:06	24°♏07'18	1.43355 AU		1222 Oct 02 j 07:57	0°♐	
desc. node	1221 Oct 07 j 10:41	26°♏46'55			1222 Oct 24 j 03:56	0°♑	
	1221 Oct 09 j 11:03	0°♐		evening max el	1222 Oct 27 j 01:50	3°♑08'51	22°39'42
evening rise	1221 Oct 13 j 19:36	6°♐50'37		retrograde	1222 Nov 05 j 22:31	9°♑00'27	
	1221 Oct 29 j 05:43	0°♑		evening set	1222 Nov 10 j 14:28	7°♑06'44	
evening max el	1221 Nov 13 j 08:40	19°♑37'29	21°22'22	asc. node	1222 Nov 12 j 11:20	5°♑16'42	
retrograde	1221 Nov 22 j 03:11	24°♑50'24		inferior conj	1222 Nov 15 j 22:58	0°♑45'51	1°10'32
asc. node	1221 Nov 25 j 14:19	23°♑43'37		minimum elong	1222 Nov 15 j 21:24	0°♑51'15	1°09'54
evening set	1221 Nov 26 j 07:02	23°♑13'34		min. Earth dist.	1222 Nov 15 j 18:49	1°♑00'10	0.67767 AU
inferior conj	1221 Dec 01 j 15:39	16°♑58'42	1°57'52		1222 Nov 16 j 12:15	30°♒♐	
minimum elong	1221 Dec 01 j 13:19	17°♑06'45	1°57'01	morning rise	1222 Nov 21 j 04:13	24°♐35'16	
min. Earth dist.	1221 Dec 01 j 22:21	16°♑35'33	0.67583 AU	direct	1222 Nov 25 j 16:33	22°♐44'48	
morning rise	1221 Dec 06 j 19:26	10°♑45'44		morning max el	1222 Dec 04 j 20:20	28°♐08'16	21°57'23
direct	1221 Dec 11 j 22:35	8°♑32'42			1222 Dec 06 j 14:34	0°♑	
morning max el	1221 Dec 22 j 07:57	14°♑43'45	23°23'58	desc. node	1222 Dec 21 j 06:58	19°♑22'38	
desc. node	1222 Jan 03 j 09:54	29°♑31'10			1222 Dec 28 j 10:36	0°♒	
	1222 Jan 03 j 18:17	0°♒		morning set	1223 Jan 06 j 11:57	14°♒08'26	
	1222 Jan 23 j 13:20	0°♓		max. Earth dist.	1223 Jan 12 j 10:55	23°♒53'27	1.41306 AU
morning set	1222 Jan 26 j 09:39	4°♓44'12			1223 Jan 16 j 01:36	0°♓	
max. Earth dist.	1222 Jan 30 j 12:59	11°♓50'06	1.39196 AU				
				superior conj	1223 Jan 20 j 04:29	7°♓09'58	-2°03'06
superior conj	1222 Feb 07 j 02:28	25°♓28'55	-1°52'30	minimum elong	1223 Jan 20 j 05:44	7°♓15'30	2°03'05
minimum elong	1222 Feb 07 j 06:10	25°♓46'05	1°52'13	evening rise	1223 Jan 30 j 17:27	26°♓21'09	
	1222 Feb 09 j 12:11	0°♔			1223 Feb 01 j 16:44	0°♔	
evening rise	1222 Feb 16 j 10:24	13°♔19'35		asc. node	1223 Feb 08 j 10:39	11°♔59'24	
asc. node	1222 Feb 21 j 13:36	23°♔04'11		evening max el	1223 Feb 16 j 01:27	22°♔22'41	18°13'44
	1222 Feb 25 j 12:50	0°♕		retrograde	1223 Feb 23 j 00:54	25°♔52'26	
evening max el	1222 Mar 04 j 17:28	9°♕34'23	18°39'16	evening set	1223 Feb 25 j 14:27	25°♔24'58	
retrograde	1222 Mar 12 j 14:51	13°♕25'25		inferior conj	1223 Mar 04 j 13:21	20°♔39'31	3°22'27
evening set	1222 Mar 14 j 22:42	13°♕06'31		minimum elong	1223 Mar 04 j 16:15	20°♔33'05	3°22'01
inferior conj	1222 Mar 22 j 14:47	8°♕41'59	2°31'48	min. Earth dist.	1223 Mar 07 j 22:24	17°♔41'21	0.59893 AU
minimum elong	1222 Mar 22 j 18:55	8°♕34'05	2°30'43	morning rise	1223 Mar 11 j 15:50	14°♔58'03	
min. Earth dist.	1222 Mar 25 j 23:47	6°♕09'06	0.57808 AU	direct	1223 Mar 18 j 04:39	12°♔59'16	
morning rise	1222 Mar 30 j 12:05	3°♕24'06		desc. node	1223 Mar 19 j 06:05	13°♔02'19	
desc. node	1222 Apr 01 j 09:03	2°♕39'44		morning max el	1223 Apr 01 j 11:46	20°♔47'18	27°25'25
direct	1222 Apr 05 j 05:04	2°♕02'41			1223 Apr 09 j 10:55	0°♕	
morning max el	1222 Apr 19 j 13:55	9°♕37'49	26°26'32		1223 Apr 27 j 21:50	0°♖	
	1222 May 05 j 01:51	0°♖		morning set	1223 May 02 j 21:14	9°♖58'32	
morning set	1222 May 18 j 13:04	25°♖14'55		asc. node	1223 May 07 j 09:55	19°♖37'33	
asc. node	1222 May 20 j 12:52	29°♖29'01		max. Earth dist.	1223 May 09 j 09:13	23°♖55'58	1.32251 AU
	1222 May 20 j 18:37	0°♗					
				superior conj	1223 May 10 j 00:58	25°♗22'23	0°27'30
superior conj	1222 May 25 j 13:19	10°♗26'19	0°50'52	minimum elong	1223 May 09 j 23:46	25°♗15'47	0°27'14
minimum elong	1222 May 25 j 11:19	10°♗15'19	0°50'29		1223 May 12 j 03:31	0°♗	
max. Earth dist.	1222 May 25 j 20:51	11°♗07'43	1.32339 AU	evening rise	1223 May 16 j 21:53	10°♗18'07	
evening rise	1222 Jun 01 j 12:06	25°♗26'48			1223 May 27 j 00:53	0°♘	
	1222 Jun 03 j 17:09	0°♘		evening max el	1223 Jun 13 j 19:41	24°♘23'33	25°48'59
	1222 Jun 21 j 02:12	0°♙		desc. node	1223 Jun 15 j 05:21	25°♘40'36	
desc. node	1222 Jun 28 j 08:20	9°♙12'38			1223 Jun 21 j 12:26	0°♙	
evening max el	1222 Jul 01 j 22:18	12°♙55'13	26°51'40	retrograde	1223 Jun 27 j 20:24	1°♙33'49	
retrograde	1222 Jul 15 j 21:09	20°♙09'59		evening set	1223 Jul 03 j 21:44	0°♙06'17	
evening set	1222 Jul 22 j 18:40	18°♙05'22			1223 Jul 04 j 03:00	30°♒♘	
min. Earth dist.	1222 Jul 26 j 12:18	15°♙26'28	0.60658 AU	min. Earth dist.	1223 Jul 08 j 08:09	27°♘27'08	0.58602 AU
inferior conj	1222 Jul 29 j 18:19	12°♙42'57	-4°33'51	inferior conj	1223 Jul 11 j 14:31	25°♘04'41	-4°53'02
minimum elong	1222 Jul 29 j 22:25	12°♙34'20	4°33'15	minimum elong	1223 Jul 11 j 15:16	25°♘03'19	4°53'00
morning rise	1222 Aug 06 j 04:01	7°♙57'15		morning rise	1223 Jul 19 j 11:06	20°♘41'27	
direct	1222 Aug 08 j 14:32	7°♙34'08		direct	1223 Jul 21 j 23:18	20°♘21'00	
morning max el	1222 Aug 15 j 21:00	11°♙08'43	18°05'33	morning max el	1223 Jul 30 j 03:39	24°♘14'23	18°38'48
asc. node	1222 Aug 16 j 12:06	11°♙46'37		asc. node	1223 Aug 03 j 09:09	29°♘10'43	
	1222 Aug 28 j 08:46	0°♚			1223 Aug 03 j 23:14	0°♚	
morning set	1222 Aug 31 j 17:41	6°♚14'49		morning set	1223 Aug 15 j 10:44	20°♚13'24	

	1223 Aug 20 j 11:36	0° $\mathbb{M}$			1224 Jul 27 j 04:10	0° $\mathcal{O}$	
				morning set	1224 Jul 29 j 12:02	4° $\mathcal{O}$ 37'17	
superior conj	1223 Aug 24 j 04:51	7° $\mathbb{M}$ 05'03	1°40'12				
minimum elong	1223 Aug 24 j 07:12	7° $\mathbb{M}$ 16'04	1°40'03	superior conj	1224 Aug 06 j 12:11	20° $\mathcal{O}$ 40'33	1°46'09
max. Earth dist.	1223 Aug 31 j 09:37	20° $\mathbb{M}$ 10'35	1.39660 AU	minimum elong	1224 Aug 06 j 12:35	20° $\mathcal{O}$ 42'29	1°46'09
evening rise	1223 Sep 04 j 12:21	27° $\mathbb{M}$ 15'40			1224 Aug 11 j 08:21	0° $\mathbb{M}$	
	1223 Sep 06 j 03:37	0° $\underline{\mathcal{A}}$		max. Earth dist.	1224 Aug 12 j 13:37	2° $\mathbb{M}$ 16'40	1.37639 AU
desc. node	1223 Sep 11 j 04:42	8° $\underline{\mathcal{A}}$ 11'09		evening rise	1224 Aug 16 j 08:16	9° $\mathbb{M}$ 08'28	
	1223 Sep 25 j 22:09	0° $\mathbb{M}$		desc. node	1224 Aug 28 j 01:43	28° $\mathbb{M}$ 40'10	
evening max el	1223 Oct 09 j 15:22	16° $\mathbb{M}$ 43'27	23°59'51		1224 Aug 28 j 22:19	0° $\underline{\mathcal{A}}$	
retrograde	1223 Oct 20 j 14:23	23° $\mathbb{M}$ 09'58			1224 Sep 20 j 18:32	0° $\mathbb{M}$	
evening set	1223 Oct 25 j 20:04	20° $\mathbb{M}$ 58'52		evening max el	1224 Sep 21 j 03:19	0° $\mathbb{M}$ 21'44	25°15'56
asc. node	1223 Oct 30 j 08:24	15° $\mathbb{M}$ 48'25		retrograde	1224 Oct 03 j 02:00	7° $\mathbb{M}$ 15'26	
min. Earth dist.	1223 Oct 30 j 15:13	15° $\mathbb{M}$ 25'23	0.67624 AU	evening set	1224 Oct 08 j 22:11	4° $\mathbb{M}$ 48'10	
inferior conj	1223 Oct 31 j 05:50	14° $\mathbb{M}$ 35'53	0°18'27		1224 Oct 13 j 05:56	30° $\mathbb{R}$ $\underline{\mathcal{A}}$	
minimum elong	1223 Oct 31 j 05:23	14° $\mathbb{M}$ 37'24	0°18'16	min. Earth dist.	1224 Oct 13 j 09:10	29° $\underline{\mathcal{A}}$ 49'34	0.67156 AU
morning rise	1223 Nov 05 j 14:41	8° $\mathbb{M}$ 30'06		inferior conj	1224 Oct 14 j 10:32	28° $\underline{\mathcal{A}}$ 27'06	-0°36'59
direct	1223 Nov 09 j 13:23	7° $\mathbb{M}$ 01'44		minimum elong	1224 Oct 14 j 11:28	28° $\underline{\mathcal{A}}$ 24'03	0°36'35
morning max el	1223 Nov 17 j 15:23	11° $\mathbb{M}$ 42'14	20°39'08	asc. node	1224 Oct 16 j 05:27	26° $\underline{\mathcal{A}}$ 10'58	
	1223 Dec 01 j 16:55	0° $\mathbb{X}$		morning rise	1224 Oct 20 j 00:56	22° $\underline{\mathcal{A}}$ 28'46	
desc. node	1223 Dec 08 j 03:59	9° $\mathbb{X}$ 34'46		direct	1224 Oct 23 j 11:44	21° $\underline{\mathcal{A}}$ 20'03	
morning set	1223 Dec 16 j 13:43	22° $\mathbb{X}$ 26'27		morning max el	1224 Oct 30 j 18:22	25° $\underline{\mathcal{A}}$ 27'23	19°33'44
	1223 Dec 21 j 09:18	0° $\mathcal{B}$			1224 Nov 03 j 17:00	0° $\mathbb{M}$	
max. Earth dist.	1223 Dec 25 j 16:43	6° $\mathcal{B}$ 53'55	1.43136 AU	greatest brilliancy	1224 Nov 13 j 05:36	13° $\mathbb{M}$ 29'23	-0.7m
				morning set	1224 Nov 24 j 11:29	0° $\mathbb{X}$ 42'26	
superior conj	1224 Jan 01 j 06:17	17° $\mathcal{B}$ 41'53	-2°00'05	desc. node	1224 Nov 24 j 01:02	0° $\mathbb{X}$ 01'58	
minimum elong	1224 Jan 01 j 02:48	17° $\mathcal{B}$ 27'16	1°59'57		1224 Nov 24 j 00:31	0° $\mathbb{X}$	
	1224 Jan 08 j 11:14	0° $\approx$		max. Earth dist.	1224 Dec 07 j 05:57	20° $\mathbb{X}$ 40'44	1.44438 AU
evening rise	1224 Jan 13 j 09:01	8° $\approx$ 36'49					
asc. node	1224 Jan 26 j 07:42	0° $\mathbb{X}$ 19'22		superior conj	1224 Dec 11 j 05:31	27° $\mathbb{X}$ 01'39	-1°39'05
	1224 Jan 26 j 02:17	0° $\mathbb{X}$		minimum elong	1224 Dec 10 j 21:26	26° $\mathbb{X}$ 29'14	1°38'23
evening max el	1224 Jan 30 j 13:10	5° $\mathbb{X}$ 30'04	18°07'47		1224 Dec 13 j 01:52	0° $\mathcal{B}$	
retrograde	1224 Feb 06 j 01:57	8° $\mathbb{X}$ 54'04		evening rise	1224 Dec 25 j 04:52	19° $\mathcal{B}$ 59'23	
evening set	1224 Feb 08 j 20:31	8° $\mathbb{X}$ 16'43			1224 Dec 31 j 03:54	0° $\approx$	
inferior conj	1224 Feb 15 j 05:54	3° $\mathbb{X}$ 10'16	3°43'59	asc. node	1225 Jan 12 j 04:45	17° $\approx$ 53'41	
minimum elong	1224 Feb 15 j 06:42	3° $\mathbb{X}$ 08'13	3°43'58	evening max el	1225 Jan 13 j 01:42	18° $\approx$ 49'19	18°20'49
min. Earth dist.	1224 Feb 18 j 04:36	0° $\mathbb{X}$ 11'52	0.62004 AU	retrograde	1225 Jan 19 j 13:29	22° $\approx$ 20'37	
	1224 Feb 18 j 09:31	30° $\mathbb{R}$ $\approx$		evening set	1225 Jan 22 j 12:58	21° $\approx$ 32'39	
morning rise	1224 Feb 21 j 15:38	27° $\approx$ 14'01		inferior conj	1225 Jan 28 j 12:26	16° $\approx$ 06'45	3°43'42
direct	1224 Feb 28 j 13:54	24° $\approx$ 44'11		minimum elong	1225 Jan 28 j 11:26	16° $\approx$ 09'36	3°43'38
desc. node	1224 Mar 05 j 03:09	26° $\approx$ 08'59		min. Earth dist.	1225 Jan 30 j 20:21	13° $\approx$ 28'28	0.63890 AU
	1224 Mar 10 j 19:25	0° $\mathbb{X}$		morning rise	1225 Feb 03 j 09:13	10° $\approx$ 01'38	
morning max el	1224 Mar 13 j 15:45	2° $\mathbb{X}$ 37'40	27°48'34	direct	1225 Feb 10 j 07:16	7° $\approx$ 13'42	
	1224 Apr 02 j 20:09	0° $\mathbb{Y}$		desc. node	1225 Feb 20 j 00:14	11° $\approx$ 29'59	
morning set	1224 Apr 16 j 00:40	24° $\mathbb{Y}$ 25'06		morning max el	1225 Feb 24 j 00:10	15° $\approx$ 06'13	27°34'55
	1224 Apr 18 j 17:21	0° $\mathcal{B}$			1225 Mar 08 j 04:37	0° $\mathbb{X}$	
max. Earth dist.	1224 Apr 21 j 19:04	6° $\mathcal{B}$ 33'04	1.32545 AU		1225 Mar 26 j 11:38	0° $\mathbb{Y}$	
				morning set	1225 Mar 30 j 20:55	8° $\mathbb{Y}$ 26'43	
superior conj	1224 Apr 23 j 11:03	10° $\mathcal{B}$ 09'45	0°01'48	max. Earth dist.	1225 Apr 04 j 22:21	18° $\mathbb{Y}$ 45'59	1.33247 AU
minimum elong	1224 Apr 23 j 10:58	10° $\mathcal{B}$ 09'19	0°01'47				
behind sun begin	1224 Apr 23 j 05:51	9° $\mathcal{B}$ 41'31		superior conj	1225 Apr 07 j 17:45	24° $\mathbb{Y}$ 42'39	-0°25'23
behind sun end	1224 Apr 23 j 16:04	10° $\mathcal{B}$ 37'08		minimum elong	1225 Apr 07 j 18:59	24° $\mathbb{Y}$ 49'19	0°25'07
asc. node	1224 Apr 23 j 06:59	9° $\mathcal{B}$ 47'37		asc. node	1225 Apr 10 j 04:03	29° $\mathbb{Y}$ 55'28	
evening rise	1224 Apr 30 j 09:32	25° $\mathcal{B}$ 11'30			1225 Apr 10 j 04:53	0° $\mathcal{B}$	
	1224 May 02 j 16:47	0° $\mathbb{I}$		evening rise	1225 Apr 14 j 21:11	10° $\mathcal{B}$ 00'26	
	1224 May 20 j 17:20	0° $\mathcal{E}$			1225 Apr 25 j 06:53	0° $\mathbb{I}$	
evening max el	1224 May 25 j 11:05	5° $\mathcal{E}$ 11'37	24°22'43	evening max el	1225 May 07 j 01:37	15° $\mathbb{I}$ 42'17	22°46'55
desc. node	1224 Jun 01 j 02:22	10° $\mathcal{E}$ 12'53		desc. node	1225 May 18 j 23:25	22° $\mathbb{I}$ 13'15	
retrograde	1224 Jun 08 j 08:11	12° $\mathcal{E}$ 11'51		retrograde	1225 May 20 j 07:41	22° $\mathbb{I}$ 17'22	
evening set	1224 Jun 13 j 01:35	11° $\mathcal{E}$ 21'59		evening set	1225 May 23 j 14:13	21° $\mathbb{I}$ 53'50	
min. Earth dist.	1224 Jun 18 j 22:08	8° $\mathcal{E}$ 25'55	0.56740 AU	min. Earth dist.	1225 May 31 j 10:04	18° $\mathbb{I}$ 27'29	0.55417 AU
inferior conj	1224 Jun 21 j 14:45	6° $\mathcal{E}$ 43'42	-4°38'35	inferior conj	1225 Jun 01 j 20:01	17° $\mathbb{I}$ 38'48	-3°38'38
minimum elong	1224 Jun 21 j 10:23	6° $\mathcal{E}$ 50'38	4°38'04	minimum elong	1225 Jun 01 j 12:23	17° $\mathbb{I}$ 49'46	3°36'43
morning rise	1224 Jun 29 j 21:54	2° $\mathcal{E}$ 40'41		morning rise	1225 Jun 10 j 12:55	13° $\mathbb{I}$ 46'19	
direct	1224 Jul 02 j 13:26	2° $\mathcal{E}$ 21'44		direct	1225 Jun 13 j 09:04	13° $\mathbb{I}$ 27'33	
morning max el	1224 Jul 12 j 01:16	6° $\mathcal{E}$ 46'21	19°33'19	morning max el	1225 Jun 24 j 11:53	18° $\mathbb{I}$ 36'48	20°48'39
asc. node	1224 Jul 20 j 06:13	17° $\mathcal{E}$ 25'21			1225 Jul 03 j 10:52	0° $\mathcal{E}$	

asc. node	1225 Jul 07 j 03:17	6°♄18'02		morning max el	1226 Jun 06 j 11:45	29°♄45'11	22°21'07
morning set	1225 Jul 13 j 18:49	19°♄18'10			1226 Jun 06 j 18:03	0°♄	
	1225 Jul 18 j 22:32	0°♄		asc. node	1226 Jun 24 j 00:20	25°♄39'23	
					1226 Jun 26 j 04:30	0°♄	
superior conj	1225 Jul 21 j 06:56	4°♄50'54	1°43'56	morning set	1226 Jun 28 j 04:57	4°♄09'59	
minimum elong	1225 Jul 21 j 05:49	4°♄45'07	1°43'54				
max. Earth dist.	1225 Jul 25 j 21:43	14°♄06'59	1.35815 AU	superior conj	1226 Jul 05 j 09:33	19°♄25'16	1°35'12
evening rise	1225 Jul 30 j 00:22	21°♄59'33		minimum elong	1226 Jul 05 j 07:29	19°♄14'21	1°35'02
	1225 Aug 03 j 10:07	0°♄		max. Earth dist.	1226 Jul 08 j 14:18	26°♄06'14	1.34340 AU
desc. node	1225 Aug 14 j 22:44	18°♄53'05			1226 Jul 10 j 12:08	0°♄	
	1225 Aug 22 j 17:17	0°♄		evening rise	1226 Jul 13 j 07:58	5°♄36'36	
evening max el	1225 Sep 03 j 15:06	13°♄59'29	26°20'31		1226 Jul 27 j 02:31	0°♄	
retrograde	1225 Sep 16 j 08:46	21°♄10'37		desc. node	1226 Aug 01 j 19:44	8°♄42'27	
evening set	1225 Sep 22 j 18:52	18°♄31'03		evening max el	1226 Aug 17 j 03:08	27°♄29'51	27°06'02
min. Earth dist.	1225 Sep 26 j 22:18	14°♄08'50	0.66346 AU		1226 Aug 19 j 22:32	0°♄	
inferior conj	1225 Sep 28 j 11:10	12°♄16'01	-1°34'18	retrograde	1226 Aug 30 j 10:13	4°♄48'15	
minimum elong	1225 Sep 28 j 13:38	12°♄08'28	1°33'17	evening set	1226 Sep 06 j 07:46	2°♄03'40	
asc. node	1225 Oct 03 j 02:30	7°♄19'43			1226 Sep 08 j 14:00	30°♄	
morning rise	1225 Oct 04 j 08:52	6°♄27'53		min. Earth dist.	1226 Sep 10 j 04:23	28°♄17'55	0.65181 AU
direct	1225 Oct 07 j 09:52	5°♄35'20		inferior conj	1226 Sep 12 j 05:37	25°♄58'52	-2°31'31
morning max el	1225 Oct 14 j 04:08	9°♄19'57	18°43'31	minimum elong	1226 Sep 12 j 09:33	25°♄47'44	2°30'05
	1225 Oct 28 j 20:50	0°♄		morning rise	1226 Sep 18 j 12:07	20°♄23'55	
morning set	1225 Nov 04 j 04:46	10°♄01'34		asc. node	1226 Sep 19 j 23:32	19°♄52'16	
desc. node	1225 Nov 10 j 22:03	20°♄39'11		direct	1226 Sep 21 j 05:46	19°♄43'40	
	1225 Nov 16 j 20:39	0°♄		morning max el	1226 Sep 27 j 18:23	23°♄14'49	18°09'48
					1226 Oct 03 j 03:48	0°♄	
superior conj	1225 Nov 20 j 09:17	5°♄32'23	-1°00'10	morning set	1226 Oct 16 j 03:02	20°♄47'18	
minimum elong	1225 Nov 20 j 01:53	5°♄03'22	0°59'16		1226 Oct 21 j 17:39	0°♄	
max. Earth dist.	1225 Nov 19 j 23:19	4°♄53'13	1.45059 AU	desc. node	1226 Oct 28 j 19:03	11°♄22'54	
	1225 Dec 05 j 19:39	0°♄					
evening rise	1225 Dec 06 j 01:30	0°♄23'27		superior conj	1226 Oct 30 j 13:03	14°♄10'02	-0°11'39
greatest brilliancy	1225 Dec 13 j 06:38	11°♄57'39	-0.9m	minimum elong	1226 Oct 30 j 11:34	14°♄04'08	0°11'27
	1225 Dec 25 j 12:25	0°♄		behind sun begin	1226 Oct 30 j 03:46	13°♄33'08	
evening max el	1225 Dec 27 j 12:29	2°♄14'42	18°52'00	behind sun end	1226 Oct 30 j 19:22	14°♄35'07	
asc. node	1225 Dec 30 j 01:47	4°♄29'14		max. Earth dist.	1226 Nov 02 j 17:58	19°♄14'08	1.44946 AU
retrograde	1226 Jan 03 j 07:21	6°♄04'17			1226 Nov 09 j 14:54	0°♄	
evening set	1226 Jan 06 j 12:38	5°♄04'40		evening rise	1226 Nov 15 j 23:40	9°♄54'07	
	1226 Jan 11 j 16:41	30°♄		greatest brilliancy	1226 Nov 28 j 16:06	29°♄24'54	-0.7m
inferior conj	1226 Jan 12 j 05:09	29°♄21'34	3°27'29		1226 Nov 29 j 01:27	0°♄	
minimum elong	1226 Jan 12 j 02:59	29°♄28'17	3°27'08	evening max el	1226 Dec 10 j 19:28	15°♄42'55	19°39'43
min. Earth dist.	1226 Jan 13 j 21:42	27°♄16'14	0.65422 AU	asc. node	1226 Dec 16 j 22:49	19°♄51'07	
morning rise	1226 Jan 17 j 16:58	23°♄11'28		retrograde	1226 Dec 18 j 04:19	19°♄59'31	
direct	1226 Jan 24 j 07:33	20°♄19'45		evening set	1226 Dec 21 j 16:56	18°♄46'48	
morning max el	1226 Feb 06 j 10:02	28°♄01'16	26°49'03	inferior conj	1226 Dec 27 j 04:54	12°♄49'08	2°59'26
desc. node	1226 Feb 06 j 21:17	28°♄29'48		minimum elong	1226 Dec 27 j 02:14	12°♄57'53	2°58'46
	1226 Feb 08 j 07:29	0°♄		min. Earth dist.	1226 Dec 28 j 07:08	11°♄22'50	0.66566 AU
	1226 Mar 01 j 22:04	0°♄		morning rise	1227 Jan 01 j 11:18	6°♄36'30	
morning set	1226 Mar 14 j 06:41	21°♄53'21		direct	1227 Jan 07 j 13:49	3°♄53'33	
	1226 Mar 18 j 10:13	0°♄		morning max el	1227 Jan 19 j 19:05	11°♄09'40	25°39'00
max. Earth dist.	1226 Mar 18 j 15:18	0°♄25'28	1.34389 AU	desc. node	1227 Jan 24 j 18:18	16°♄39'36	
					1227 Feb 03 j 20:24	0°♄	
superior conj	1226 Mar 22 j 18:56	8°♄54'37	-0°52'53		1227 Feb 22 j 13:23	0°♄	
minimum elong	1226 Mar 22 j 21:33	9°♄08'14	0°52'23	morning set	1227 Feb 25 j 01:25	4°♄30'25	
asc. node	1226 Mar 28 j 01:05	19°♄56'51		max. Earth dist.	1227 Feb 28 j 20:08	11°♄33'19	1.35989 AU
evening rise	1226 Mar 30 j 06:56	24°♄38'42					
	1226 Apr 01 j 21:39	0°♄		superior conj	1227 Mar 06 j 11:54	22°♄36'56	-1°19'12
evening max el	1226 Apr 18 j 22:57	26°♄28'04	21°16'15	minimum elong	1227 Mar 06 j 15:39	22°♄55'41	1°18'38
	1226 Apr 23 j 09:52	0°♄			1227 Mar 10 j 03:21	0°♄	
retrograde	1226 Apr 30 j 22:06	2°♄17'58		evening rise	1227 Mar 14 j 12:40	8°♄58'39	
evening set	1226 May 03 j 05:23	2°♄05'43		asc. node	1227 Mar 14 j 22:07	9°♄46'37	
desc. node	1226 May 05 j 20:27	1°♄24'07			1227 Mar 26 j 00:29	0°♄	
	1226 May 09 j 02:36	30°♄		evening max el	1227 Apr 01 j 07:26	7°♄48'16	20°00'13
inferior conj	1226 May 12 j 14:37	28°♄06'16	-1°55'55	retrograde	1227 Apr 11 j 13:14	12°♄44'20	
minimum elong	1226 May 12 j 09:15	28°♄13'50	1°54'03	evening set	1227 Apr 13 j 14:28	12°♄33'20	
min. Earth dist.	1226 May 12 j 22:40	27°♄54'56	0.54935 AU	inferior conj	1227 Apr 22 j 12:22	8°♄33'41	0°03'41
morning rise	1226 May 21 j 13:25	24°♄06'07		minimum elong	1227 Apr 22 j 12:32	8°♄33'26	0°03'37
direct	1226 May 24 j 19:11	23°♄43'20		transit middle	1227 Apr 22 j 12:32	8°♄33'26	0°03'37

transit begin	1227 Apr 22 j 08:39	8°♄39'19		minimum elong	1228 Apr 02 j 05:37	19°♄21'46	1°45'53
transit end	1227 Apr 22 j 16:25	8°♄27'33		min. Earth dist.	1228 Apr 05 j 03:51	17°♄20'43	0.56763 AU
desc. node	1227 Apr 22 j 17:29	8°♄25'57		desc. node	1228 Apr 08 j 14:30	15°♄17'30	
min. Earth dist.	1227 Apr 24 j 12:25	7°♄21'13	0.55420 AU	morning rise	1228 Apr 10 j 09:29	14°♄28'52	
morning rise	1227 May 01 j 08:33	4°♄07'52		direct	1228 Apr 15 j 12:08	13°♄27'23	
direct	1227 May 05 j 09:33	3°♄31'58		morning max el	1228 Apr 29 j 18:27	20°♄48'55	25°39'16
morning max el	1227 May 19 j 03:58	10°♄21'01	24°02'29		1228 May 07 j 16:38	0°♄	
	1227 Jun 02 j 19:07	0°♄			1228 May 25 j 05:38	0°♄	
asc. node	1227 Jun 10 j 21:21	15°♄21'10		morning set	1228 May 27 j 04:19	4°♄02'51	
morning set	1227 Jun 12 j 16:39	19°♄06'37		asc. node	1228 May 27 j 18:24	5°♄17'22	
	1227 Jun 17 j 18:18	0°♄					
superior conj	1227 Jun 19 j 17:14	4°♄14'16	1°21'14	superior conj	1228 Jun 03 j 03:53	19°♄10'49	1°03'00
minimum elong	1227 Jun 19 j 14:48	4°♄01'07	1°20'54	minimum elong	1228 Jun 03 j 01:35	18°♄58'17	1°02'36
max. Earth dist.	1227 Jun 21 j 16:14	8°♄26'57	1.33261 AU	max. Earth dist.	1228 Jun 04 j 01:08	21°♄07'05	1.32571 AU
evening rise	1227 Jun 27 j 02:46	19°♄46'44			1228 Jun 08 j 03:53	0°♄	
	1227 Jul 02 j 08:57	0°♄		evening rise	1228 Jun 10 j 05:24	4°♄19'30	
desc. node	1227 Jul 19 j 16:46	27°♄58'03			1228 Jun 24 j 01:58	0°♄	
	1227 Jul 21 j 05:21	0°♄		desc. node	1228 Jul 05 j 13:48	16°♄25'35	
evening max el	1227 Jul 30 j 14:12	10°♄41'19	27°25'30	evening max el	1228 Jul 11 j 21:43	23°♄19'58	27°13'33
retrograde	1227 Aug 13 j 05:36	17°♄59'38			1228 Jul 22 j 01:30	0°♄	
evening set	1227 Aug 20 j 09:53	15°♄20'28		retrograde	1228 Jul 25 j 18:03	0°♄35'23	
min. Earth dist.	1227 Aug 24 j 01:23	12°♄08'11	0.63658 AU		1228 Jul 29 j 07:51	30°♄	
inferior conj	1227 Aug 26 j 15:21	9°♄29'58	-3°25'52	evening set	1228 Aug 01 j 21:20	28°♄14'23	
minimum elong	1227 Aug 26 j 20:19	9°♄17'15	3°24'23	min. Earth dist.	1228 Aug 05 j 11:50	25°♄27'25	0.61824 AU
morning rise	1227 Sep 02 j 07:53	4°♄11'29		inferior conj	1228 Aug 08 j 13:17	22°♄41'21	-4°12'51
direct	1227 Sep 04 j 20:45	3°♄39'59		minimum elong	1228 Aug 08 j 18:13	22°♄30'08	4°11'49
asc. node	1227 Sep 06 j 20:34	3°♄59'45		morning rise	1228 Aug 15 j 16:38	17°♄42'50	
morning max el	1227 Sep 11 j 10:22	7°♄05'46	17°53'32	direct	1228 Aug 18 j 03:25	17°♄17'11	
	1227 Sep 26 j 12:28	0°♄		asc. node	1228 Aug 23 j 17:36	19°♄35'00	
morning set	1227 Sep 28 j 03:34	2°♄49'28		morning max el	1228 Aug 25 j 01:11	20°♄45'39	17°55'37
					1228 Aug 31 j 23:42	0°♄	
superior conj	1227 Oct 10 j 12:32	23°♄48'17	0°34'11	morning set	1228 Sep 10 j 00:00	15°♄48'24	
minimum elong	1227 Oct 10 j 16:02	24°♄02'37	0°33'43		1228 Sep 17 j 21:32	0°♄	
	1227 Oct 14 j 07:46	0°♄		superior conj	1228 Sep 20 j 15:12	4°♄46'33	1°09'28
desc. node	1227 Oct 15 j 16:04	2°♄10'01		minimum elong	1228 Sep 20 j 19:55	5°♄06'56	1°08'55
max. Earth dist.	1227 Oct 16 j 11:22	3°♄27'20	1.44121 AU	max. Earth dist.	1228 Sep 28 j 00:46	17°♄14'31	1.42685 AU
evening rise	1227 Oct 26 j 08:28	18°♄56'39		desc. node	1228 Oct 01 j 13:06	22°♄56'43	
	1227 Nov 02 j 14:33	0°♄		evening rise	1228 Oct 04 j 20:18	28°♄11'19	
evening max el	1227 Nov 23 j 21:20	29°♄12'50	20°41'39		1228 Oct 06 j 00:02	0°♄	
	1227 Nov 24 j 16:15	0°♄			1228 Oct 26 j 08:39	0°♄	
retrograde	1227 Dec 02 j 02:02	4°♄03'26		evening max el	1228 Nov 05 j 17:29	12°♄43'10	21°54'32
asc. node	1227 Dec 03 j 19:50	3°♄46'22		retrograde	1228 Nov 14 j 22:39	18°♄12'07	
evening set	1227 Dec 05 j 23:50	2°♄35'48		evening set	1228 Nov 19 j 07:33	16°♄28'02	
	1227 Dec 08 j 15:27	30°♄		asc. node	1228 Nov 19 j 16:52	16°♄08'29	
inferior conj	1227 Dec 11 j 09:12	26°♄26'27	2°22'25	inferior conj	1228 Nov 24 j 15:57	10°♄10'15	1°38'24
minimum elong	1227 Dec 11 j 06:37	26°♄35'17	2°21'35	minimum elong	1228 Nov 24 j 13:54	10°♄17'21	1°37'38
min. Earth dist.	1227 Dec 11 j 22:38	25°♄40'36	0.67323 AU	min. Earth dist.	1228 Nov 24 j 17:53	10°♄03'30	0.67708 AU
morning rise	1227 Dec 16 j 13:12	20°♄13'15		morning rise	1228 Nov 29 j 20:06	3°♄58'18	
direct	1227 Dec 22 j 01:12	17°♄47'48		direct	1228 Dec 04 j 16:54	1°♄54'52	
morning max el	1228 Jan 02 j 03:19	24°♄24'35	24°14'48	morning max el	1228 Dec 14 j 13:16	7°♄44'53	22°46'31
	1228 Jan 07 j 03:47	0°♄		desc. node	1228 Dec 28 j 12:21	25°♄14'50	
desc. node	1228 Jan 11 j 15:19	5°♄39'32			1228 Dec 31 j 20:04	0°♄	
	1228 Jan 28 j 07:26	0°♄		morning set	1229 Jan 17 j 18:34	26°♄14'18	
morning set	1228 Feb 06 j 23:24	16°♄02'29			1229 Jan 20 j 00:51	0°♄	
max. Earth dist.	1228 Feb 10 j 16:32	22°♄36'23	1.37970 AU	max. Earth dist.	1229 Jan 22 j 12:21	4°♄12'00	1.40115 AU
	1228 Feb 14 j 17:17	0°♄					
superior conj	1228 Feb 17 j 17:19	5°♄40'57	-1°42'05	superior conj	1229 Jan 30 j 06:47	17°♄55'14	-1°58'21
minimum elong	1228 Feb 17 j 21:26	6°♄00'39	1°41'38	minimum elong	1229 Jan 30 j 09:43	18°♄08'40	1°58'12
evening rise	1228 Feb 26 j 12:01	22°♄54'02			1229 Feb 05 j 18:34	0°♄	
asc. node	1228 Feb 29 j 19:09	29°♄19'56		evening rise	1229 Feb 09 j 02:01	6°♄17'18	
	1228 Mar 01 j 03:32	0°♄		asc. node	1229 Feb 15 j 16:11	18°♄30'47	
evening max el	1228 Mar 14 j 03:01	19°♄46'54	19°03'02		1229 Feb 23 j 04:33	0°♄	
retrograde	1228 Mar 22 j 17:58	23°♄57'12		evening max el	1229 Feb 25 j 07:15	2°♄18'37	18°25'56
evening set	1228 Mar 24 j 22:46	23°♄42'04		retrograde	1229 Mar 04 j 17:52	5°♄58'52	
inferior conj	1228 Apr 02 j 01:53	19°♄28'16	1°47'03	evening set	1229 Mar 07 j 04:14	5°♄36'29	
				inferior conj	1229 Mar 14 j 12:32	1°♄02'47	2°57'19

minimum elong	1229 Mar 14 j 16:21	0° $\Upsilon$ 54'59	2°56'30	inferior conj	1230 Feb 24 j 19:15	13° $\text{X}$ 15'26	3°34'44
	1229 Mar 15 j 19:11	30° $\text{K}$		minimum elong	1230 Feb 24 j 21:16	13° $\text{X}$ 10'40	3°34'31
min. Earth dist.	1229 Mar 17 j 23:02	28° $\text{X}$ 16'20	0.58669 AU	min. Earth dist.	1230 Feb 28 j 00:46	10° $\text{X}$ 14'03	0.60797 AU
morning rise	1229 Mar 22 j 01:47	25° $\text{X}$ 33'41		morning rise	1230 Mar 03 j 14:08	7° $\text{X}$ 26'21	
desc. node	1229 Mar 26 j 11:32	24° $\text{X}$ 04'08		direct	1230 Mar 10 j 08:03	5° $\text{X}$ 13'05	
direct	1229 Mar 28 j 04:08	23° $\text{X}$ 56'39		desc. node	1230 Mar 13 j 08:36	5° $\text{X}$ 38'09	
	1229 Apr 09 j 18:58	0° $\Upsilon$		morning max el	1230 Mar 24 j 13:47	13° $\text{X}$ 05'03	27°40'01
morning max el	1229 Apr 11 j 12:58	1° $\Upsilon$ 37'52	26°55'49		1230 Apr 07 j 01:00	0° $\Upsilon$	
	1229 May 01 j 20:32	0° $\text{B}$			1230 Apr 24 j 03:27	0° $\text{B}$	
morning set	1229 May 11 j 14:18	18° $\text{B}$ 53'11		morning set	1230 Apr 25 j 20:44	3° $\text{B}$ 30'25	
asc. node	1229 May 14 j 15:28	25° $\text{B}$ 22'52		asc. node	1230 May 01 j 12:31	15° $\text{B}$ 32'24	
	1229 May 16 j 18:21	0° $\text{II}$		max. Earth dist.	1230 May 02 j 01:11	16° $\text{B}$ 41'26	1.32318 AU
superior conj	1229 May 18 j 15:40	4° $\text{II}$ 08'52	0°41'18	superior conj	1230 May 03 j 02:50	19° $\text{B}$ 01'42	0°16'50
minimum elong	1229 May 18 j 13:57	3° $\text{II}$ 59'28	0°40'57	minimum elong	1230 May 03 j 02:05	18° $\text{B}$ 57'32	0°16'40
max. Earth dist.	1229 May 18 j 13:27	3° $\text{II}$ 56'42	1.32253 AU		1230 May 08 j 03:23	0° $\text{II}$	
evening rise	1229 May 25 j 13:14	19° $\text{II}$ 06'19		evening rise	1230 May 10 j 00:01	3° $\text{II}$ 58'50	
	1229 May 30 j 22:33	0° $\text{O}$			1230 May 23 j 21:56	0° $\text{O}$	
	1229 Jun 19 j 01:27	0° $\Omega$		evening max el	1230 Jun 05 j 17:19	16° $\text{O}$ 23'39	25°14'30
desc. node	1229 Jun 22 j 10:49	3° $\Omega$ 45'20		desc. node	1230 Jun 09 j 07:52	19° $\text{O}$ 28'30	
evening max el	1229 Jun 23 j 23:05	5° $\Omega$ 15'07	26°28'32	retrograde	1230 Jun 19 j 17:42	23° $\text{O}$ 31'52	
retrograde	1229 Jul 07 j 22:42	12° $\Omega$ 28'04		evening set	1230 Jun 25 j 06:36	22° $\text{O}$ 20'47	
evening set	1229 Jul 14 j 13:33	10° $\Omega$ 38'01		min. Earth dist.	1230 Jun 30 j 05:07	19° $\text{O}$ 36'19	0.57760 AU
min. Earth dist.	1229 Jul 18 j 12:13	8° $\Omega$ 01'39	0.59783 AU	inferior conj	1230 Jul 03 j 07:49	17° $\text{O}$ 28'29	-4°51'52
inferior conj	1229 Jul 21 j 19:57	5° $\Omega$ 24'28	-4°45'12	minimum elong	1230 Jul 03 j 06:29	17° $\text{O}$ 30'48	4°51'49
minimum elong	1229 Jul 21 j 22:56	5° $\Omega$ 18'34	4°44'54	morning rise	1230 Jul 11 j 09:01	13° $\text{O}$ 14'51	
morning rise	1229 Jul 29 j 10:21	0° $\Omega$ 48'33		direct	1230 Jul 13 j 22:19	12° $\text{O}$ 55'19	
direct	1229 Jul 31 j 21:27	0° $\Omega$ 26'40		morning max el	1230 Jul 22 j 15:05	17° $\text{O}$ 00'17	18°59'25
morning max el	1229 Aug 08 j 11:50	4° $\Omega$ 07'23	18°17'11	asc. node	1230 Jul 28 j 11:45	24° $\text{O}$ 11'27	
asc. node	1229 Aug 10 j 14:40	6° $\Omega$ 24'20			1230 Aug 01 j 01:46	0° $\Omega$	
morning set	1229 Aug 24 j 10:51	29° $\Omega$ 29'11		morning set	1230 Aug 08 j 07:47	13° $\Omega$ 39'23	
	1229 Aug 24 j 17:20	0° $\text{P}$		superior conj	1230 Aug 16 j 17:28	0° $\text{P}$ 08'14	1°43'49
superior conj	1229 Sep 02 j 18:45	16° $\text{P}$ 58'55	1°32'16	minimum elong	1230 Aug 16 j 18:57	0° $\text{P}$ 15'21	1°43'45
minimum elong	1229 Sep 02 j 22:13	17° $\text{P}$ 14'46	1°31'58		1230 Aug 16 j 15:45	0° $\text{P}$	
	1229 Sep 10 j 03:32	0° $\text{A}$		max. Earth dist.	1230 Aug 23 j 12:03	12° $\text{P}$ 43'47	1.38788 AU
max. Earth dist.	1229 Sep 10 j 08:34	0° $\text{A}$ 21'28	1.40826 AU	evening rise	1230 Aug 27 j 08:46	19° $\text{P}$ 31'52	
evening rise	1229 Sep 15 j 02:24	8° $\text{A}$ 17'37			1230 Sep 02 j 15:10	0° $\text{A}$	
desc. node	1229 Sep 18 j 10:08	13° $\text{A}$ 40'00		desc. node	1230 Sep 05 j 07:10	4° $\text{A}$ 15'26	
	1229 Sep 29 j 02:16	0° $\text{M}$			1230 Sep 23 j 06:45	0° $\text{M}$	
evening max el	1229 Oct 19 j 08:46	26° $\text{M}$ 15'24	23°13'41	evening max el	1230 Oct 01 j 21:14	9° $\text{M}$ 51'13	24°33'02
	1229 Oct 23 j 15:49	0° $\text{J}$		retrograde	1230 Oct 13 j 07:05	16° $\text{M}$ 31'12	
retrograde	1229 Oct 29 j 16:44	2° $\text{J}$ 22'44		evening set	1230 Oct 18 j 18:48	14° $\text{M}$ 12'56	
evening set	1229 Nov 03 j 14:26	0° $\text{J}$ 21'19		min. Earth dist.	1230 Oct 23 j 10:22	8° $\text{M}$ 53'53	0.67466 AU
	1229 Nov 04 j 00:11	30° $\text{K}$		inferior conj	1230 Oct 24 j 05:30	7° $\text{M}$ 49'56	-0°04'43
asc. node	1229 Nov 06 j 13:55	27° $\text{M}$ 10'43		minimum elong	1230 Oct 24 j 05:37	7° $\text{M}$ 49'34	0°04'40
inferior conj	1229 Nov 08 j 23:18	23° $\text{M}$ 58'51	0°48'55	transit middle	1230 Oct 24 j 05:37	7° $\text{M}$ 49'34	0°04'40
minimum elong	1229 Nov 08 j 22:11	24° $\text{M}$ 02'43	0°48'27	transit begin	1230 Oct 24 j 02:59	7° $\text{M}$ 58'21	
min. Earth dist.	1229 Nov 08 j 14:36	24° $\text{M}$ 28'46	0.67751 AU	transit end	1230 Oct 24 j 08:15	7° $\text{M}$ 40'47	
morning rise	1229 Nov 14 j 05:52	17° $\text{M}$ 50'09		asc. node	1230 Oct 24 j 10:58	7° $\text{M}$ 31'43	
direct	1229 Nov 18 j 12:07	16° $\text{M}$ 09'32		morning rise	1230 Oct 29 j 16:29	1° $\text{M}$ 46'52	
morning max el	1229 Nov 27 j 04:24	21° $\text{M}$ 13'47	21°22'42	direct	1230 Nov 02 j 09:47	0° $\text{M}$ 27'23	
	1229 Dec 04 j 13:41	0° $\text{J}$		morning max el	1230 Nov 10 j 02:53	4° $\text{M}$ 52'56	20°09'26
desc. node	1229 Dec 15 j 09:23	15° $\text{J}$ 15'41			1230 Nov 28 j 14:08	0° $\text{J}$	
	1229 Dec 25 j 02:54	0° $\text{Z}$		desc. node	1230 Dec 02 j 06:26	5° $\text{J}$ 34'47	
morning set	1229 Dec 28 j 09:00	5° $\text{Z}$ 05'33		morning set	1230 Dec 07 j 05:50	13° $\text{J}$ 13'17	
max. Earth dist.	1230 Jan 04 j 13:34	16° $\text{Z}$ 40'23	1.42136 AU		1230 Dec 17 j 22:05	0° $\text{Z}$	
				max. Earth dist.	1230 Dec 17 j 22:09	0° $\text{Z}$ 00'15	1.43762 AU
superior conj	1230 Jan 11 j 23:01	29° $\text{Z}$ 07'28	-2°03'47	superior conj	1230 Dec 23 j 13:27	9° $\text{Z}$ 08'09	-1°53'32
minimum elong	1230 Jan 11 j 22:29	29° $\text{Z}$ 05'10	2°03'47	minimum elong	1230 Dec 23 j 07:42	8° $\text{Z}$ 44'35	1°53'11
	1230 Jan 12 j 11:11	0° $\approx$			1231 Jan 04 j 22:10	0° $\approx$	
evening rise	1230 Jan 23 j 03:02	19° $\approx$ 00'20		evening rise	1231 Jan 05 j 10:45	0° $\approx$ 54'20	
	1230 Jan 29 j 05:48	0° $\text{K}$		asc. node	1231 Jan 20 j 10:17	25° $\approx$ 14'12	
asc. node	1230 Feb 02 j 13:14	7° $\text{K}$ 11'59		evening max el	1231 Jan 23 j 05:34	28° $\approx$ 28'57	18°11'07
evening max el	1230 Feb 08 j 17:08	15° $\text{K}$ 15'24	18°08'49		1231 Jan 24 j 22:24	0° $\text{K}$	
retrograde	1230 Feb 15 j 10:58	18° $\text{K}$ 41'22		retrograde	1231 Jan 29 j 16:56	1° $\text{K}$ 54'38	
evening set	1230 Feb 18 j 02:34	18° $\text{K}$ 09'57					

evening set	1231 Feb 01 j 13:29	1° $\text{X}$ 13'00		evening rise	1231 Dec 17 j 20:56	11° $\text{Z}$ 51'47	
	1231 Feb 03 j 12:29	30° $\text{R}$			1231 Dec 28 j 23:51	0° $\text{R}$	
inferior conj	1231 Feb 07 j 18:17	25° $\text{R}$ 58'21	3°46'08	evening max el	1232 Jan 06 j 17:42	11° $\text{R}$ 51'38	18°31'59
minimum elong	1231 Feb 07 j 18:15	25° $\text{R}$ 58'26	3°46'08	asc. node	1232 Jan 07 j 07:20	12° $\text{R}$ 25'13	
min. Earth dist.	1231 Feb 10 j 11:07	23° $\text{R}$ 06'04	0.62841 AU	retrograde	1232 Jan 13 j 07:26	15° $\text{R}$ 29'05	
morning rise	1231 Feb 13 j 21:59	19° $\text{R}$ 57'41		evening set	1232 Jan 16 j 09:20	14° $\text{R}$ 36'14	
direct	1231 Feb 20 j 21:19	17° $\text{R}$ 17'58		inferior conj	1232 Jan 22 j 05:32	9° $\text{R}$ 02'56	3°38'26
desc. node	1231 Feb 28 j 05:38	19° $\text{R}$ 46'24		minimum elong	1232 Jan 22 j 03:57	9° $\text{R}$ 07'36	3°38'16
morning max el	1231 Mar 06 j 19:55	25° $\text{R}$ 12'46	27°47'04	min. Earth dist.	1232 Jan 24 j 06:54	6° $\text{R}$ 37'32	0.64596 AU
	1231 Mar 11 j 05:27	0° $\text{X}$		morning rise	1232 Jan 27 j 22:04	2° $\text{R}$ 55'36	
	1231 Mar 31 j 11:21	0° $\text{Y}$		direct	1232 Feb 03 j 17:50	0° $\text{R}$ 04'12	
morning set	1231 Apr 09 j 21:26	17° $\text{Y}$ 47'27		desc. node	1232 Feb 15 j 02:39	5° $\text{R}$ 52'59	
max. Earth dist.	1231 Apr 15 j 08:29	29° $\text{Y}$ 08'36	1.32784 AU	morning max el	1232 Feb 17 j 05:01	7° $\text{R}$ 53'00	27°18'49
	1231 Apr 15 j 18:07	0° $\text{Z}$			1232 Mar 05 j 08:32	0° $\text{X}$	
					1232 Mar 22 j 18:04	0° $\text{Y}$	
superior conj	1231 Apr 17 j 11:43	3° $\text{Z}$ 43'45	-0°09'38	morning set	1232 Mar 23 j 13:36	1° $\text{Y}$ 34'49	
minimum elong	1231 Apr 17 j 12:10	3° $\text{Z}$ 46'15	0°09'31	max. Earth dist.	1232 Mar 28 j 07:33	11° $\text{Y}$ 06'37	1.33679 AU
behind sun begin	1231 Apr 17 j 07:58	3° $\text{Z}$ 23'30					
behind sun end	1231 Apr 17 j 16:23	4° $\text{Z}$ 09'01		superior conj	1232 Mar 31 j 16:19	18° $\text{Y}$ 08'14	-0°37'06
asc. node	1231 Apr 18 j 09:35	5° $\text{Z}$ 42'06		minimum elong	1232 Mar 31 j 18:09	18° $\text{Y}$ 17'57	0°36'43
evening rise	1231 Apr 24 j 11:52	18° $\text{Z}$ 50'51		asc. node	1232 Apr 04 j 06:38	25° $\text{Y}$ 47'27	
	1231 Apr 29 j 23:29	0° $\text{II}$			1232 Apr 06 j 06:03	0° $\text{Z}$	
evening max el	1231 May 18 j 07:31	27° $\text{II}$ 00'35	23°42'20	evening rise	1232 Apr 07 j 22:54	3° $\text{Z}$ 35'33	
	1231 May 21 j 19:29	0° $\text{G}$			1232 Apr 22 j 15:04	0° $\text{II}$	
desc. node	1231 May 27 j 04:53	2° $\text{G}$ 59'55		evening max el	1232 Apr 29 j 00:14	7° $\text{II}$ 34'03	22°07'03
retrograde	1231 Jun 01 j 00:28	3° $\text{G}$ 52'36		retrograde	1232 May 11 j 18:42	13° $\text{II}$ 51'12	
evening set	1231 Jun 05 j 02:12	3° $\text{G}$ 16'07		desc. node	1232 May 13 j 01:53	13° $\text{II}$ 47'24	
	1231 Jun 11 j 23:47	30° $\text{R}$ $\text{II}$		evening set	1232 May 14 j 13:23	13° $\text{II}$ 34'05	
min. Earth dist.	1231 Jun 11 j 18:08	0° $\text{G}$ 08'23	0.56087 AU	inferior conj	1232 May 23 j 12:41	9° $\text{II}$ 27'45	-2°59'16
inferior conj	1231 Jun 13 j 23:28	28° $\text{II}$ 47'53	-4°19'08	minimum elong	1232 May 23 j 15:17	9° $\text{II}$ 38'08	2°57'02
minimum elong	1231 Jun 13 j 17:13	28° $\text{II}$ 57'23	4°18'01	min. Earth dist.	1232 May 23 j 06:03	9° $\text{II}$ 51'06	0.55099 AU
morning rise	1231 Jun 22 j 10:55	24° $\text{II}$ 50'42		morning rise	1232 Jun 01 j 18:47	5° $\text{II}$ 34'22	
direct	1231 Jun 25 j 04:00	24° $\text{II}$ 32'09		direct	1232 Jun 04 j 18:25	5° $\text{II}$ 14'25	
morning max el	1231 Jul 05 j 08:09	29° $\text{II}$ 14'54	20°02'54	morning max el	1232 Jun 16 j 13:46	10° $\text{II}$ 45'45	21°26'16
	1231 Jul 06 j 02:53	0° $\text{G}$			1232 Jun 30 j 06:24	0° $\text{G}$	
asc. node	1231 Jul 15 j 08:48	12° $\text{G}$ 43'09		asc. node	1232 Jul 01 j 05:50	1° $\text{G}$ 48'52	
morning set	1231 Jul 23 j 11:40	28° $\text{G}$ 10'39		morning set	1232 Jul 06 j 20:06	12° $\text{G}$ 56'39	
	1231 Jul 24 j 09:11	0° $\text{Q}$					
				superior conj	1232 Jul 14 j 04:31	28° $\text{G}$ 20'33	1°40'57
superior conj	1231 Jul 31 j 06:06	13° $\text{Q}$ 59'22	1°46'05	minimum elong	1232 Jul 14 j 02:56	28° $\text{G}$ 12'14	1°40'51
minimum elong	1231 Jul 31 j 05:47	13° $\text{Q}$ 57'46	1°46'06		1232 Jul 14 j 23:43	0° $\text{Q}$	
max. Earth dist.	1231 Aug 05 j 16:46	24° $\text{Q}$ 38'14	1.36829 AU	max. Earth dist.	1232 Jul 18 j 04:28	6° $\text{Q}$ 31'05	1.35141 AU
	1231 Aug 08 j 13:35	0° $\text{P}$		evening rise	1232 Jul 22 j 13:04	15° $\text{Q}$ 02'48	
evening rise	1231 Aug 09 j 13:50	1° $\text{P}$ 50'47			1232 Jul 30 j 20:05	0° $\text{P}$	
desc. node	1231 Aug 23 j 04:12	24° $\text{P}$ 38'09		desc. node	1232 Aug 09 j 01:12	14° $\text{P}$ 42'06	
	1231 Aug 26 j 17:35	0° $\text{Q}$			1232 Aug 20 j 08:36	0° $\text{Q}$	
evening max el	1231 Sep 14 j 09:07	23° $\text{Q}$ 30'15	25°45'20	evening max el	1232 Aug 26 j 21:18	7° $\text{Q}$ 06'59	26°42'45
	1231 Sep 23 j 15:26	0° $\text{P}$		retrograde	1232 Sep 08 j 21:08	14° $\text{Q}$ 21'28	
retrograde	1231 Sep 26 j 16:45	0° $\text{P}$ 32'41		evening set	1232 Sep 15 j 12:33	11° $\text{Q}$ 38'57	
	1231 Sep 29 j 13:35	30° $\text{R}$ $\text{Q}$		min. Earth dist.	1232 Sep 19 j 13:05	7° $\text{Q}$ 32'17	0.65894 AU
evening set	1231 Oct 02 j 18:52	27° $\text{Q}$ 59'51		inferior conj	1232 Sep 21 j 07:01	5° $\text{Q}$ 28'01	-1°58'41
min. Earth dist.	1231 Oct 07 j 02:40	23° $\text{Q}$ 16'18	0.66852 AU	minimum elong	1232 Sep 21 j 10:08	5° $\text{Q}$ 18'47	1°57'27
inferior conj	1231 Oct 08 j 08:43	21° $\text{Q}$ 40'44	-1°01'08		1232 Sep 26 j 21:47	30° $\text{R}$ $\text{P}$	
minimum elong	1231 Oct 08 j 10:18	21° $\text{Q}$ 35'44	1°00'29	morning rise	1232 Sep 27 j 08:16	29° $\text{P}$ 44'57	
asc. node	1231 Oct 11 j 08:01	18° $\text{Q}$ 07'41		asc. node	1232 Sep 27 j 05:02	29° $\text{P}$ 49'23	
morning rise	1231 Oct 14 j 02:00	15° $\text{Q}$ 46'05		direct	1232 Sep 30 j 05:57	28° $\text{P}$ 57'55	
direct	1231 Oct 17 j 08:21	14° $\text{Q}$ 44'37			1232 Oct 03 j 15:56	0° $\text{Q}$	
morning max el	1231 Oct 24 j 08:52	18° $\text{Q}$ 41'14	19°10'18	morning max el	1232 Oct 06 j 20:50	2° $\text{Q}$ 35'29	18°27'09
	1231 Nov 02 j 03:51	0° $\text{P}$			1232 Oct 25 j 12:43	0° $\text{P}$	
morning set	1231 Nov 16 j 09:39	21° $\text{P}$ 49'54		morning set	1232 Oct 26 j 15:15	1° $\text{P}$ 46'53	
desc. node	1231 Nov 19 j 03:27	26° $\text{P}$ 06'33		desc. node	1232 Nov 05 j 00:29	16° $\text{P}$ 47'15	
	1231 Nov 21 j 15:14	0° $\text{Z}$					
max. Earth dist.	1231 Nov 30 j 13:21	13° $\text{Z}$ 59'42	1.44794 AU	superior conj	1232 Nov 11 j 03:51	26° $\text{P}$ 28'48	-0°40'02
				minimum elong	1232 Nov 10 j 22:40	26° $\text{P}$ 08'23	0°39'21
superior conj	1231 Dec 03 j 02:48	18° $\text{Z}$ 02'31	-1°24'28	max. Earth dist.	1232 Nov 12 j 08:19	28° $\text{P}$ 20'41	1.45110 AU
minimum elong	1231 Dec 02 j 18:09	17° $\text{Z}$ 28'13	1°23'35		1232 Nov 13 j 09:37	0° $\text{Z}$	
	1231 Dec 10 j 14:19	0° $\text{Z}$		evening rise	1232 Nov 27 j 07:40	21° $\text{Z}$ 52'31	

	1232 Dec 02 j 11:16	0°♄		evening rise	1233 Nov 06 j 22:33	1°♄07'09	
greatest brilliancy	1232 Dec 07 j 04:55	7°♄25'25	-0.8m	greatest brilliancy	1233 Nov 21 j 01:23	22°♄33'33	-0.6m
evening max el	1232 Dec 20 j 03:10	25°♄18'55	19°10'16		1233 Nov 26 j 05:41	0°♄	
asc. node	1232 Dec 24 j 04:20	28°♄31'31		evening max el	1233 Dec 03 j 08:03	8°♄47'41	20°04'22
retrograde	1232 Dec 27 j 02:59	29°♄18'38		retrograde	1233 Dec 11 j 00:41	13°♄18'16	
evening set	1232 Dec 30 j 11:17	28°♄13'26		asc. node	1233 Dec 11 j 01:21	13°♄18'15	
inferior conj	1233 Jan 05 j 01:35	22°♄23'39	3°16'47	evening set	1233 Dec 14 j 16:58	11°♄59'18	
minimum elong	1233 Jan 04 j 23:08	22°♄31'27	3°16'18	inferior conj	1233 Dec 20 j 03:35	5°♄55'59	2°44'42
min. Earth dist.	1233 Jan 06 j 11:46	20°♄34'51	0.65968 AU	minimum elong	1233 Dec 20 j 00:54	6°♄05'00	2°43'57
morning rise	1233 Jan 10 j 10:45	16°♄12'24		min. Earth dist.	1233 Dec 21 j 00:07	4°♄47'09	0.66935 AU
direct	1233 Jan 16 j 20:37	13°♄23'23		morning rise	1233 Dec 25 j 08:38	29°♄42'47	
morning max el	1233 Jan 29 j 14:42	20°♄54'56	26°21'34		1233 Dec 25 j 01:12	30°♄♄	
desc. node	1233 Jan 31 j 23:41	23°♄25'23		direct	1233 Dec 31 j 05:01	27°♄06'46	
	1233 Feb 06 j 11:49	0°♄			1234 Jan 07 j 07:14	0°♄	
	1233 Feb 26 j 12:18	0°♄		morning max el	1234 Jan 11 j 23:33	4°♄07'45	25°04'20
morning set	1233 Mar 06 j 17:32	14°♄41'27		desc. node	1234 Jan 18 j 20:44	11°♄58'43	
max. Earth dist.	1233 Mar 10 j 19:31	22°♄31'40	1.35026 AU		1234 Jan 31 j 19:57	0°♄	
	1233 Mar 14 j 13:14	0°♄		morning set	1234 Feb 17 j 04:19	26°♄53'35	
					1234 Feb 18 j 21:38	0°♄	
superior conj	1233 Mar 15 j 14:20	2°♄08'07	-1°04'20	max. Earth dist.	1234 Feb 20 j 20:28	3°♄35'19	1.36797 AU
minimum elong	1233 Mar 15 j 17:29	2°♄24'15	1°03'46				
asc. node	1233 Mar 22 j 03:39	15°♄44'10		superior conj	1234 Feb 27 j 02:55	15°♄35'35	-1°29'29
evening rise	1233 Mar 23 j 07:13	18°♄06'39		minimum elong	1234 Feb 27 j 06:56	15°♄55'26	1°28'57
	1233 Mar 29 j 07:21	0°♄			1234 Mar 06 j 07:18	0°♄	
evening max el	1233 Apr 11 j 01:55	18°♄31'56	20°41'38	evening rise	1234 Mar 07 j 10:38	2°♄17'37	
retrograde	1233 Apr 22 j 07:43	23°♄59'03		asc. node	1234 Mar 09 j 00:41	5°♄27'49	
evening set	1233 Apr 24 j 10:50	23°♄48'05			1234 Mar 24 j 11:38	0°♄	
desc. node	1233 Apr 29 j 22:54	21°♄52'48		evening max el	1234 Mar 24 j 15:16	0°♄08'51	19°33'24
inferior conj	1233 May 03 j 16:40	19°♄50'17	-1°05'00	retrograde	1234 Apr 03 j 03:56	4°♄44'23	
minimum elong	1233 May 03 j 13:35	19°♄54'43	1°03'53	evening set	1234 Apr 05 j 05:49	4°♄32'14	
min. Earth dist.	1233 May 04 j 18:41	19°♄13'00	0.55025 AU	inferior conj	1234 Apr 13 j 20:07	0°♄27'34	0°51'00
morning rise	1233 May 12 j 15:41	15°♄41'30		minimum elong	1234 Apr 13 j 22:14	0°♄24'10	0°50'15
direct	1233 May 16 j 04:29	15°♄14'37			1234 Apr 14 j 13:18	30°♄♄	
morning max el	1233 May 29 j 09:41	21°♄37'11	23°04'03	min. Earth dist.	1234 Apr 16 j 09:11	28°♄50'21	0.55894 AU
	1233 Jun 05 j 15:12	0°♄		desc. node	1234 Apr 16 j 19:56	28°♄33'49	
asc. node	1233 Jun 18 j 02:53	21°♄19'33		morning rise	1234 Apr 22 j 11:58	25°♄47'23	
morning set	1233 Jun 21 j 07:06	27°♄50'58		direct	1234 Apr 26 j 23:12	25°♄02'25	
	1233 Jun 22 j 07:34	0°♄			1234 May 08 j 15:03	0°♄	
				morning max el	1234 May 11 j 00:43	2°♄07'34	24°45'15
superior conj	1233 Jun 28 j 09:33	13°♄01'37	1°29'52		1234 May 30 j 09:48	0°♄	
minimum elong	1233 Jun 28 j 07:16	12°♄49'24	1°29'37	asc. node	1234 Jun 04 j 23:56	11°♄08'29	
max. Earth dist.	1233 Jul 01 j 01:19	18°♄39'22	1.33826 AU	morning set	1234 Jun 05 j 19:00	12°♄48'31	
evening rise	1233 Jul 06 j 01:49	28°♄54'35					
	1233 Jul 06 j 15:05	0°♄		superior conj	1234 Jun 12 j 18:47	27°♄55'06	1°13'59
	1233 Jul 23 j 23:13	0°♄		minimum elong	1234 Jun 12 j 16:21	27°♄41'53	1°13'36
desc. node	1233 Jul 26 j 22:13	4°♄18'24			1234 Jun 13 j 17:47	0°♄	
evening max el	1233 Aug 09 j 09:04	20°♄30'14	27°17'53	max. Earth dist.	1234 Jun 14 j 06:31	1°♄08'55	1.32913 AU
retrograde	1233 Aug 22 j 19:53	27°♄48'58		evening rise	1234 Jun 20 j 00:21	13°♄15'34	
evening set	1233 Aug 29 j 21:15	25°♄05'01			1234 Jun 28 j 18:18	0°♄	
min. Earth dist.	1233 Sep 02 j 15:19	21°♄34'27	0.64576 AU	desc. node	1234 Jul 13 j 19:14	23°♄15'35	
inferior conj	1233 Sep 04 j 22:04	19°♄06'07	-2°55'09		1234 Jul 19 j 09:28	0°♄	
minimum elong	1233 Sep 05 j 02:32	18°♄54'01	2°53'38	evening max el	1234 Jul 22 j 18:42	3°♄28'21	27°24'24
morning rise	1233 Sep 11 j 08:43	13°♄38'00		retrograde	1234 Aug 05 j 12:37	10°♄46'21	
direct	1233 Sep 14 j 00:06	13°♄01'48		evening set	1234 Aug 12 j 17:40	8°♄12'51	
asc. node	1233 Sep 14 j 02:04	13°♄01'50		min. Earth dist.	1234 Aug 16 j 07:49	5°♄12'59	0.62911 AU
morning max el	1233 Sep 20 j 12:12	16°♄29'21	18°00'49	inferior conj	1234 Aug 19 j 03:10	2°♄29'20	-3°47'05
	1233 Sep 30 j 05:04	0°♄		minimum elong	1234 Aug 19 j 08:18	2°♄16'49	3°45'43
morning set	1233 Oct 08 j 01:21	13°♄07'04			1234 Aug 21 j 19:34	30°♄♄	
	1233 Oct 18 j 05:19	0°♄		morning rise	1234 Aug 26 j 00:16	27°♄19'16	
				direct	1234 Aug 28 j 11:51	26°♄50'41	
superior conj	1233 Oct 21 j 14:11	5°♄27'07	0°08'45	asc. node	1234 Aug 31 j 23:07	27°♄47'45	
minimum elong	1233 Oct 21 j 15:13	5°♄31'17	0°08'36		1234 Sep 03 j 21:17	0°♄	
behind sun begin	1233 Oct 21 j 06:16	4°♄55'17		morning max el	1234 Sep 04 j 04:07	0°♄16'35	17°52'09
behind sun end	1233 Oct 22 j 00:10	6°♄07'13		morning set	1234 Sep 20 j 11:01	25°♄34'40	
desc. node	1233 Oct 22 j 21:30	7°♄32'43			1234 Sep 22 j 23:06	0°♄	
max. Earth dist.	1233 Oct 26 j 03:07	12°♄41'28	1.44678 AU				
	1233 Nov 06 j 05:09	0°♄		superior conj	1234 Oct 02 j 01:02	15°♄38'46	0°50'40



































































































































minimum elong	1234 Oct 02 j 05:28	15° $\Omega$ 57'22	0°50'05	desc. node	1235 Sep 26 j 15:34	19° $\Omega$ 05'27	
max. Earth dist.	1234 Oct 08 j 18:36	26° $\Omega$ 43'29	1.43569 AU	evening rise	1235 Sep 27 j 00:29	19° $\Omega$ 41'04	
desc. node	1234 Oct 09 j 18:32	28° $\Omega$ 19'49			1235 Oct 03 j 14:55	0° $\mathbb{M}$	
	1234 Oct 10 j 19:34	0° $\mathbb{M}$			1235 Oct 24 j 22:00	0° $\mathcal{A}$	
evening rise	1234 Oct 17 j 06:18	10° $\mathbb{M}$ 08'12		evening max el	1235 Oct 30 j 01:20	5° $\mathcal{A}$ 48'14	22°27'54
	1234 Oct 30 j 10:16	0° $\mathcal{A}$		retrograde	1235 Nov 08 j 17:55	11° $\mathcal{A}$ 33'54	
evening max el	1234 Nov 16 j 07:22	22° $\mathcal{A}$ 17'03	21°11'34	evening set	1235 Nov 13 j 08:00	9° $\mathcal{A}$ 42'45	
retrograde	1234 Nov 24 j 22:16	27° $\mathcal{A}$ 24'15		asc. node	1235 Nov 14 j 19:26	8° $\mathcal{A}$ 18'59	
asc. node	1234 Nov 27 j 22:23	26° $\mathcal{A}$ 33'47		inferior conj	1235 Nov 18 j 16:26	3° $\mathcal{A}$ 22'39	1°18'03
evening set	1234 Nov 29 j 00:27	25° $\mathcal{A}$ 49'56		minimum elong	1235 Nov 18 j 14:44	3° $\mathcal{A}$ 28'33	1°17'23
inferior conj	1234 Dec 04 j 09:12	19° $\mathcal{A}$ 36'23	2°04'33	min. Earth dist.	1235 Nov 18 j 13:53	3° $\mathcal{A}$ 31'30	0.67762 AU
minimum elong	1234 Dec 04 j 06:47	19° $\mathcal{A}$ 44'42	2°03'42		1235 Nov 21 j 05:12	30° $\mathbb{R}$ $\mathbb{M}$	
min. Earth dist.	1234 Dec 04 j 17:38	19° $\mathcal{A}$ 07'19	0.67523 AU	morning rise	1235 Nov 23 j 21:19	27° $\mathbb{M}$ 11'39	
morning rise	1234 Dec 09 j 12:57	13° $\mathcal{A}$ 23'13		direct	1235 Nov 28 j 11:52	25° $\mathbb{M}$ 17'43	
direct	1234 Dec 14 j 18:25	11° $\mathcal{A}$ 06'47			1235 Dec 07 j 00:20	0° $\mathcal{A}$	
morning max el	1234 Dec 25 j 08:12	17° $\mathcal{A}$ 24'56	23°37'11	morning max el	1235 Dec 07 j 19:46	0° $\mathcal{A}$ 47'49	22°09'54
	1235 Jan 04 j 19:31	0° $\mathcal{Z}$		desc. node	1235 Dec 23 j 14:49	21° $\mathcal{A}$ 02'25	
desc. node	1235 Jan 05 j 17:46	1° $\mathcal{Z}$ 15'05			1235 Dec 29 j 16:53	0° $\mathcal{Z}$	
	1235 Jan 24 j 21:45	0° $\approx$		morning set	1236 Jan 09 j 22:19	17° $\mathcal{Z}$ 29'42	
morning set	1235 Jan 29 j 15:40	7° $\approx$ 53'37		max. Earth dist.	1236 Jan 15 j 12:29	26° $\mathcal{Z}$ 42'15	1.41006 AU
max. Earth dist.	1235 Feb 02 j 15:17	14° $\approx$ 46'44	1.38873 AU		1236 Jan 17 j 11:14	0° $\approx$	
superior conj	1235 Feb 10 j 02:10	28° $\approx$ 20'00	-1°50'01	superior conj	1236 Jan 23 j 07:21	10° $\approx$ 10'03	-2°02'17
minimum elong	1235 Feb 10 j 06:02	28° $\approx$ 38'07	1°49'42	minimum elong	1236 Jan 23 j 09:08	10° $\approx$ 17'58	2°02'14
	1235 Feb 10 j 23:25	0° $\mathcal{H}$		evening rise	1236 Feb 02 j 15:26	29° $\approx$ 07'37	
evening rise	1235 Feb 19 j 06:27	16° $\mathcal{H}$ 00'25			1236 Feb 03 j 02:40	0° $\mathcal{H}$	
asc. node	1235 Feb 23 j 21:44	24° $\mathcal{H}$ 52'25		asc. node	1236 Feb 10 j 18:47	13° $\mathcal{H}$ 51'44	
	1235 Feb 26 j 17:59	0° $\mathcal{Y}$		evening max el	1236 Feb 18 j 22:08	25° $\mathcal{H}$ 07'07	18°16'14
evening max el	1235 Mar 07 j 14:59	12° $\mathcal{Y}$ 23'00	18°44'48	retrograde	1236 Feb 26 j 00:01	28° $\mathcal{H}$ 38'57	
retrograde	1235 Mar 15 j 16:33	16° $\mathcal{Y}$ 18'22		evening set	1236 Feb 28 j 12:49	28° $\mathcal{H}$ 12'47	
evening set	1235 Mar 17 j 23:35	16° $\mathcal{Y}$ 00'33		inferior conj	1236 Mar 06 j 14:02	23° $\mathcal{H}$ 30'20	3°16'48
inferior conj	1235 Mar 25 j 18:30	11° $\mathcal{Y}$ 39'02	2°21'06	minimum elong	1236 Mar 06 j 17:13	23° $\mathcal{H}$ 23'26	3°16'15
minimum elong	1235 Mar 25 j 22:38	11° $\mathcal{Y}$ 31'21	2°19'58	min. Earth dist.	1236 Mar 09 j 23:51	20° $\mathcal{H}$ 34'27	0.59577 AU
min. Earth dist.	1235 Mar 29 j 02:17	9° $\mathcal{Y}$ 12'02	0.57524 AU	morning rise	1236 Mar 13 j 19:17	17° $\mathcal{H}$ 51'51	
morning rise	1235 Apr 02 j 18:35	6° $\mathcal{Y}$ 25'42		direct	1236 Mar 20 j 05:45	15° $\mathcal{H}$ 58'36	
desc. node	1235 Apr 03 j 16:58	6° $\mathcal{Y}$ 02'37		desc. node	1236 Mar 20 j 14:01	15° $\mathcal{H}$ 58'55	
direct	1235 Apr 08 j 08:05	5° $\mathcal{Y}$ 09'35		morning max el	1236 Apr 03 j 13:18	23° $\mathcal{H}$ 44'45	27°18'51
morning max el	1235 Apr 22 j 16:27	12° $\mathcal{Y}$ 41'43	26°15'01		1236 Apr 09 j 04:39	0° $\mathcal{Y}$	
	1235 May 06 j 05:36	0° $\mathcal{B}$			1236 Apr 28 j 08:27	0° $\mathcal{B}$	
morning set	1235 May 21 j 06:09	27° $\mathcal{B}$ 42'41		morning set	1236 May 04 j 14:51	12° $\mathcal{B}$ 27'49	
	1235 May 22 j 08:05	0° $\mathbb{I}$		asc. node	1236 May 08 j 18:04	21° $\mathcal{B}$ 16'30	
asc. node	1235 May 22 j 21:00	1° $\mathbb{I}$ 09'03		max. Earth dist.	1236 May 11 j 05:37	26° $\mathcal{B}$ 42'00	1.32242 AU
superior conj	1235 May 28 j 06:09	12° $\mathbb{I}$ 53'04	0°54'11	superior conj	1236 May 11 j 17:53	27° $\mathcal{B}$ 49'26	0°31'13
minimum elong	1235 May 28 j 04:03	12° $\mathbb{I}$ 41'34	0°53'47	minimum elong	1236 May 11 j 16:33	27° $\mathcal{B}$ 42'01	0°30'56
max. Earth dist.	1235 May 28 j 17:07	13° $\mathbb{I}$ 53'15	1.32389 AU		1236 May 12 j 17:38	0° $\mathbb{I}$	
evening rise	1235 Jun 04 j 05:30	27° $\mathbb{I}$ 55'10		evening rise	1236 May 18 j 14:52	12° $\mathbb{I}$ 45'16	
	1235 Jun 05 j 05:36	0° $\mathcal{E}$			1236 May 27 j 08:59	0° $\mathcal{E}$	
	1235 Jun 22 j 02:59	0° $\Omega$		evening max el	1236 Jun 15 j 22:21	27° $\mathcal{E}$ 24'20	26°00'05
desc. node	1235 Jun 30 j 16:16	11° $\Omega$ 16'58		desc. node	1236 Jun 16 j 13:18	27° $\mathcal{E}$ 59'20	
evening max el	1235 Jul 04 j 23:50	15° $\Omega$ 49'06	26°58'23		1236 Jun 18 j 21:48	0° $\Omega$	
retrograde	1235 Jul 18 j 22:12	23° $\Omega$ 04'00		retrograde	1236 Jun 29 j 22:47	4° $\Omega$ 35'06	
evening set	1235 Jul 25 j 21:32	20° $\Omega$ 54'52		evening set	1236 Jul 06 j 04:06	3° $\Omega$ 01'39	
min. Earth dist.	1235 Jul 29 j 14:03	18° $\Omega$ 14'16	0.60965 AU	min. Earth dist.	1236 Jul 10 j 10:57	0° $\Omega$ 23'50	0.58904 AU
inferior conj	1235 Aug 01 j 19:02	15° $\Omega$ 29'34	-4°28'58		1236 Jul 11 j 00:10	30° $\mathbb{R}$ $\mathcal{E}$	
minimum elong	1235 Aug 01 j 23:25	15° $\Omega$ 20'08	4°28'15	inferior conj	1236 Jul 13 j 18:03	27° $\mathcal{E}$ 57'01	-4°51'59
morning rise	1235 Aug 09 j 03:05	10° $\Omega$ 40'23		minimum elong	1236 Jul 13 j 19:28	27° $\mathcal{E}$ 54'24	4°51'56
direct	1235 Aug 11 j 13:34	10° $\Omega$ 16'41		morning rise	1236 Jul 21 j 13:02	23° $\mathcal{E}$ 30'28	
morning max el	1235 Aug 18 j 17:32	13° $\Omega$ 49'30	18°02'18	direct	1236 Jul 24 j 00:57	23° $\mathcal{E}$ 09'39	
asc. node	1235 Aug 18 j 20:12	13° $\Omega$ 56'00		morning max el	1236 Aug 01 j 01:18	26° $\mathcal{E}$ 59'20	18°32'31
	1235 Aug 29 j 17:49	0° $\mathbb{P}$			1236 Aug 03 j 19:06	0° $\Omega$	
morning set	1235 Sep 03 j 14:11	8° $\mathbb{P}$ 52'42		asc. node	1236 Aug 04 j 17:17	1° $\Omega$ 11'16	
				morning set	1236 Aug 17 j 05:46	22° $\Omega$ 47'03	
superior conj	1235 Sep 13 j 14:50	27° $\mathbb{P}$ 09'45	1°20'37		1236 Aug 20 j 23:23	0° $\mathbb{P}$	
minimum elong	1235 Sep 13 j 19:13	27° $\mathbb{P}$ 29'06	1°20'10				
	1235 Sep 15 j 05:34	0° $\mathcal{L}$		superior conj	1236 Aug 26 j 03:10	9° $\mathbb{P}$ 47'35	1°38'25
max. Earth dist.	1235 Sep 21 j 05:09	10° $\mathcal{L}$ 12'43	1.41929 AU	minimum elong	1236 Aug 26 j 05:49	9° $\mathbb{P}$ 59'56	1°38'16

max. Earth dist.	1236 Sep 02 j 11:00	23° $\mathbb{M}$ 00'55	1.39967 AU	minimum elong	1237 Aug 09 j 09:07	23° $\Omega$ 20'18	1°45'47
evening rise	1236 Sep 06 j 16:42	0° $\mathfrak{A}$ 15'24			1237 Aug 12 j 20:09	0° $\mathbb{M}$	
	1236 Sep 06 j 13:02	0° $\mathfrak{A}$		max. Earth dist.	1237 Aug 15 j 14:46	5° $\mathbb{M}$ 11'01	1.37934 AU
desc. node	1236 Sep 12 j 12:36	9° $\mathfrak{A}$ 45'42		evening rise	1237 Aug 19 j 09:14	11° $\mathbb{M}$ 58'34	
	1236 Sep 26 j 01:10	0° $\mathbb{M}$		desc. node	1237 Aug 30 j 09:38	0° $\mathfrak{A}$ 16'41	
evening max el	1236 Oct 11 j 15:16	19° $\mathbb{M}$ 22'05	23°47'57		1237 Aug 30 j 05:22	0° $\mathfrak{A}$	
retrograde	1236 Oct 22 j 10:21	25° $\mathbb{M}$ 43'36			1237 Sep 21 j 06:23	0° $\mathbb{M}$	
evening set	1236 Oct 27 j 13:58	23° $\mathbb{M}$ 34'57		evening max el	1237 Sep 24 j 03:12	2° $\mathbb{M}$ 59'24	25°05'02
asc. node	1236 Oct 31 j 16:29	18° $\mathbb{M}$ 56'50		retrograde	1237 Oct 05 j 22:40	9° $\mathbb{M}$ 49'57	
inferior conj	1236 Nov 01 j 23:28	17° $\mathbb{M}$ 12'02	0°26'37	evening set	1237 Oct 11 j 16:42	7° $\mathbb{M}$ 24'48	
minimum elong	1236 Nov 01 j 22:50	17° $\mathbb{M}$ 14'11	0°26'20	min. Earth dist.	1237 Oct 16 j 04:50	2° $\mathbb{M}$ 20'56	0.67252 AU
min. Earth dist.	1236 Nov 01 j 10:23	17° $\mathbb{M}$ 56'34	0.67670 AU	inferior conj	1237 Oct 17 j 04:36	1° $\mathbb{M}$ 03'03	-0°28'24
morning rise	1236 Nov 07 j 07:40	11° $\mathbb{M}$ 05'32		minimum elong	1237 Oct 17 j 05:19	1° $\mathbb{M}$ 00'43	0°28'06
direct	1236 Nov 11 j 08:19	9° $\mathbb{M}$ 34'02			1237 Oct 17 j 23:58	30° $\mathbb{R}$ $\mathfrak{A}$	
morning max el	1236 Nov 19 j 13:45	14° $\mathbb{M}$ 20'11	20°50'02	asc. node	1237 Oct 18 j 13:31	29° $\mathfrak{A}$ 16'50	
	1236 Dec 01 j 20:43	0° $\mathfrak{A}$		morning rise	1237 Oct 22 j 18:04	25° $\mathfrak{A}$ 03'29	
desc. node	1236 Dec 09 j 11:50	11° $\mathfrak{A}$ 11'30		direct	1237 Oct 26 j 06:27	23° $\mathfrak{A}$ 52'10	
morning set	1236 Dec 19 j 02:45	25° $\mathfrak{A}$ 54'08		morning max el	1237 Nov 02 j 15:36	28° $\mathfrak{A}$ 03'49	19°42'27
	1236 Dec 21 j 17:28	0° $\mathfrak{B}$			1237 Nov 04 j 10:42	0° $\mathbb{M}$	
max. Earth dist.	1236 Dec 27 j 17:16	9° $\mathfrak{B}$ 35'02	1.42894 AU	greatest brilliancy	1237 Nov 16 j 01:42	15° $\mathbb{M}$ 55'33	-0.7m
					1237 Nov 25 j 07:49	0° $\mathfrak{A}$	
superior conj	1237 Jan 03 j 12:58	20° $\mathfrak{B}$ 52'12	-2°01'38	desc. node	1237 Nov 26 j 08:51	1° $\mathfrak{A}$ 36'27	
minimum elong	1237 Jan 03 j 10:17	20° $\mathfrak{B}$ 40'54	2°01'33	morning set	1237 Nov 27 j 23:20	4° $\mathfrak{A}$ 05'01	
	1237 Jan 08 j 20:54	0° $\mathfrak{A}$		max. Earth dist.	1237 Dec 10 j 05:15	23° $\mathfrak{A}$ 14'46	1.44284 AU
evening rise	1237 Jan 15 j 09:33	11° $\mathfrak{A}$ 30'18			1237 Dec 14 j 10:36	0° $\mathfrak{B}$	
	1237 Jan 26 j 03:29	0° $\mathfrak{H}$					
asc. node	1237 Jan 27 j 15:49	2° $\mathfrak{H}$ 17'17		superior conj	1237 Dec 14 j 15:54	0° $\mathfrak{B}$ 21'22	-1°43'29
evening max el	1237 Feb 01 j 09:26	8° $\mathfrak{H}$ 11'41	18°07'26	minimum elong	1237 Dec 14 j 08:17	29° $\mathfrak{A}$ 50'40	1°42'53
retrograde	1237 Feb 07 j 23:12	11° $\mathfrak{H}$ 35'48		evening rise	1237 Dec 28 j 08:31	23° $\mathfrak{B}$ 00'42	
evening set	1237 Feb 10 j 17:01	11° $\mathfrak{H}$ 00'00			1238 Jan 01 j 11:32	0° $\mathfrak{A}$	
inferior conj	1237 Feb 17 j 04:09	5° $\mathfrak{H}$ 56'29	3°42'18	asc. node	1238 Jan 14 j 12:50	19° $\mathfrak{A}$ 58'56	
minimum elong	1237 Feb 17 j 05:17	5° $\mathfrak{H}$ 53'41	3°42'14	evening max el	1238 Jan 15 j 21:56	21° $\mathfrak{A}$ 29'01	18°17'45
min. Earth dist.	1237 Feb 20 j 04:45	2° $\mathfrak{H}$ 56'40	0.61694 AU	retrograde	1238 Jan 22 j 09:25	24° $\mathfrak{A}$ 58'41	
morning rise	1237 Feb 23 j 16:09	0° $\mathfrak{H}$ 01'50		evening set	1238 Jan 25 j 08:06	24° $\mathfrak{A}$ 12'25	
	1237 Feb 23 j 17:11	30° $\mathbb{R}$ $\mathfrak{A}$		inferior conj	1238 Jan 31 j 08:50	18° $\mathfrak{A}$ 49'21	3°44'52
direct	1237 Mar 02 j 13:34	27° $\mathfrak{A}$ 36'03		minimum elong	1238 Jan 31 j 08:04	18° $\mathfrak{A}$ 51'30	3°44'50
desc. node	1237 Mar 07 j 11:02	28° $\mathfrak{A}$ 41'57		min. Earth dist.	1238 Feb 02 j 19:06	16° $\mathfrak{A}$ 06'55	0.63623 AU
	1237 Mar 09 j 22:37	0° $\mathfrak{H}$		morning rise	1238 Feb 06 j 07:16	12° $\mathfrak{A}$ 45'09	
morning max el	1237 Mar 16 j 16:34	5° $\mathfrak{H}$ 29'14	27°47'38	direct	1238 Feb 13 j 05:49	9° $\mathfrak{A}$ 58'52	
	1237 Apr 04 j 02:20	0° $\mathbb{Y}$		desc. node	1238 Feb 22 j 08:03	13° $\mathfrak{A}$ 44'35	
morning set	1237 Apr 18 j 19:10	26° $\mathbb{Y}$ 57'36		morning max el	1238 Feb 27 j 00:30	17° $\mathfrak{A}$ 52'38	27°39'14
	1237 Apr 20 j 06:32	0° $\mathfrak{B}$			1238 Mar 09 j 04:43	0° $\mathfrak{H}$	
max. Earth dist.	1237 Apr 24 j 16:11	9° $\mathfrak{B}$ 22'10	1.32472 AU		1238 Mar 27 j 22:07	0° $\mathbb{Y}$	
asc. node	1237 Apr 25 j 15:08	11° $\mathfrak{B}$ 26'41		morning set	1238 Apr 02 j 16:37	11° $\mathbb{Y}$ 03'24	
				max. Earth dist.	1238 Apr 07 j 20:37	21° $\mathbb{Y}$ 39'02	1.33108 AU
superior conj	1237 Apr 26 j 04:19	12° $\mathfrak{B}$ 38'32	0°05'50				
minimum elong	1237 Apr 26 j 04:03	12° $\mathfrak{B}$ 37'02	0°05'46	superior conj	1238 Apr 10 j 11:35	27° $\mathbb{Y}$ 13'45	-0°21'12
behind sun begin	1237 Apr 25 j 23:15	12° $\mathfrak{B}$ 10'55		minimum elong	1238 Apr 10 j 12:38	27° $\mathbb{Y}$ 19'18	0°20'59
behind sun end	1237 Apr 26 j 08:50	13° $\mathfrak{B}$ 03'10			1238 Apr 11 j 18:32	0° $\mathfrak{B}$	
evening rise	1237 May 03 j 02:22	27° $\mathfrak{B}$ 38'50		asc. node	1238 Apr 12 j 12:09	1° $\mathfrak{B}$ 34'55	
	1237 May 04 j 05:10	0° $\mathbb{I}$		evening rise	1238 Apr 17 j 14:05	12° $\mathfrak{B}$ 28'32	
	1237 May 21 j 10:22	0° $\mathfrak{E}$			1238 Apr 26 j 12:52	0° $\mathbb{I}$	
evening max el	1237 May 28 j 14:20	8° $\mathfrak{E}$ 17'14	24°36'34	evening max el	1238 May 10 j 04:27	18° $\mathbb{I}$ 48'12	23°01'16
desc. node	1237 Jun 03 j 10:19	12° $\mathfrak{E}$ 51'41		desc. node	1238 May 21 j 07:21	25° $\mathbb{I}$ 16'52	
retrograde	1237 Jun 11 j 12:30	15° $\mathfrak{E}$ 19'59		retrograde	1238 May 23 j 13:57	25° $\mathbb{I}$ 28'40	
evening set	1237 Jun 16 j 11:16	14° $\mathfrak{E}$ 24'47		evening set	1238 May 27 j 01:11	25° $\mathbb{I}$ 02'16	
min. Earth dist.	1237 Jun 22 j 01:29	11° $\mathfrak{E}$ 32'15	0.56990 AU	min. Earth dist.	1238 Jun 03 j 13:38	21° $\mathbb{I}$ 41'06	0.55564 AU
inferior conj	1237 Jun 24 j 21:20	9° $\mathfrak{E}$ 42'51	-4°43'34	inferior conj	1238 Jun 05 j 05:06	20° $\mathbb{I}$ 43'50	-3°50'53
minimum elong	1237 Jun 24 j 17:45	9° $\mathfrak{E}$ 48'40	4°43'13	minimum elong	1238 Jun 04 j 21:39	20° $\mathbb{I}$ 54'41	3°49'08
morning rise	1237 Jul 03 j 02:59	5° $\mathfrak{E}$ 37'26		morning rise	1238 Jun 13 j 20:39	16° $\mathbb{I}$ 50'41	
direct	1237 Jul 05 j 17:56	5° $\mathfrak{E}$ 18'22		direct	1238 Jun 16 j 15:50	16° $\mathbb{I}$ 32'07	
morning max el	1237 Jul 15 j 00:29	9° $\mathfrak{E}$ 37'16	19°23'52	morning max el	1238 Jun 27 j 12:49	21° $\mathbb{I}$ 34'12	20°36'11
asc. node	1237 Jul 22 j 14:20	19° $\mathfrak{E}$ 19'10			1238 Jul 04 j 12:39	0° $\mathfrak{E}$	
	1237 Jul 28 j 14:51	0° $\Omega$		asc. node	1238 Jul 09 j 11:22	8° $\mathfrak{E}$ 06'29	
morning set	1237 Aug 01 j 06:02	7° $\Omega$ 07'51		morning set	1238 Jul 16 j 12:07	21° $\mathfrak{E}$ 46'13	
					1238 Jul 20 j 11:41	0° $\Omega$	
superior conj	1237 Aug 09 j 08:27	23° $\Omega$ 17'02	1°45'48				

superior conj	1238 Jul 24 j 01:44	7°Ω22'43	1°44'44	superior conj	1239 Jul 08 j 03:19	21°Ω53'33	1°36'55
minimum elong	1238 Jul 24 j 00:48	7°Ω17'58	1°44'42	minimum elong	1239 Jul 08 j 01:21	21°Ω43'14	1°36'44
max. Earth dist.	1238 Jul 28 j 21:38	17°Ω00'43	1.36068 AU	max. Earth dist.	1239 Jul 11 j 12:50	28°Ω57'09	1.34536 AU
evening rise	1238 Aug 01 j 22:36	24°Ω41'37			1239 Jul 12 j 01:08	0°Ω	
	1238 Aug 04 j 20:30	0°൬		evening rise	1239 Jul 16 j 04:09	8°Ω12'17	
desc. node	1238 Aug 17 j 06:40	20°൬32'22			1239 Jul 28 j 09:44	0°൬	
	1238 Aug 23 j 18:48	0°Ω		desc. node	1239 Aug 04 j 03:41	10°൬25'39	
evening max el	1238 Sep 06 j 14:57	16°Ω37'34	26°11'54		1239 Aug 19 j 22:58	0°Ω	
retrograde	1238 Sep 19 j 06:18	23°Ω47'02		evening max el	1239 Aug 20 j 03:06	0°Ω09'56	27°00'49
evening set	1238 Sep 25 j 14:20	21°Ω09'00		retrograde	1239 Sep 02 j 08:33	7°Ω27'35	
min. Earth dist.	1238 Sep 29 j 18:52	16°Ω41'12	0.66489 AU	evening set	1239 Sep 09 j 04:34	4°Ω43'21	
inferior conj	1238 Oct 01 j 05:57	14°Ω52'39	-1°25'33	min. Earth dist.	1239 Sep 13 j 02:12	0°Ω52'06	0.65374 AU
minimum elong	1238 Oct 01 j 08:11	14°Ω45'45	1°24'38		1239 Sep 13 j 20:33	30°R൬	
asc. node	1238 Oct 05 j 10:33	10°Ω15'37		inferior conj	1239 Sep 15 j 01:29	28°൬36'47	-2°22'59
morning rise	1238 Oct 07 j 02:27	9°Ω02'45		minimum elong	1239 Sep 15 j 05:13	28°൬26'05	2°21'35
direct	1238 Oct 10 j 04:44	8°Ω08'03		morning rise	1239 Sep 21 j 06:34	22°൬59'31	
morning max el	1238 Oct 17 j 00:28	11°Ω55'37	18°49'54	asc. node	1239 Sep 22 j 07:36	22°൬34'02	
	1238 Oct 30 j 03:09	0°൬		direct	1239 Sep 24 j 01:10	22°൬17'38	
morning set	1238 Nov 07 j 12:45	13°൬12'18		morning max el	1239 Sep 30 j 14:11	25°൬50'17	18°13'45
desc. node	1238 Nov 13 j 05:54	22°൬12'35			1239 Oct 04 j 02:58	0°Ω	
	1238 Nov 18 j 04:54	0°✎		morning set	1239 Oct 19 j 06:48	23°Ω45'47	
max. Earth dist.	1238 Nov 22 j 22:01	7°✎24'07	1.45014 AU		1239 Oct 23 j 02:20	0°൬	
				desc. node	1239 Oct 31 j 02:57	12°൬55'43	
superior conj	1238 Nov 23 j 21:40	8°✎57'07	-1°06'58	superior conj	1239 Nov 03 j 00:04	17°൬30'05	-0°19'06
minimum elong	1238 Nov 23 j 13:43	8°✎25'52	1°06'02	minimum elong	1239 Nov 02 j 21:36	17°൬20'19	0°18'46
	1238 Dec 07 j 03:41	0°Ω		max. Earth dist.	1239 Nov 05 j 16:51	21°൬45'39	1.45013 AU
evening rise	1238 Dec 09 j 08:43	3°Ω33'35			1239 Nov 10 j 22:57	0°✎	
	1238 Dec 26 j 07:32	0°≈		evening rise	1239 Nov 19 j 09:59	13°✎11'38	
evening max el	1238 Dec 30 j 09:08	4°≈53'57	18°46'16		1239 Nov 30 j 06:21	0°Ω	
asc. node	1239 Jan 01 j 09:50	6°≈44'19		greatest brilliancy	1239 Dec 01 j 10:28	1°Ω47'00	-0.7m
retrograde	1239 Jan 06 j 02:29	8°≈40'05		evening max el	1239 Dec 13 j 16:53	18°Ω22'18	19°31'35
evening set	1239 Jan 09 j 06:50	7°≈42'19		asc. node	1239 Dec 19 j 06:52	22°Ω18'32	
inferior conj	1239 Jan 15 j 00:13	2°≈01'48	3°30'43	retrograde	1239 Dec 20 j 23:08	22°Ω34'07	
minimum elong	1239 Jan 14 j 22:11	2°≈08'01	3°30'26	evening set	1239 Dec 24 j 10:36	21°Ω23'22	
	1239 Jan 16 j 16:03	30°RΩ		inferior conj	1239 Dec 29 j 23:07	15°Ω27'46	3°04'16
min. Earth dist.	1239 Jan 16 j 19:05	29°Ω50'52	0.65220 AU	minimum elong	1239 Dec 29 j 20:29	15°Ω36'19	3°03'39
morning rise	1239 Jan 20 j 13:09	25°Ω52'17		min. Earth dist.	1239 Dec 31 j 03:23	13°Ω55'33	0.66429 AU
direct	1239 Jan 27 j 05:15	23°Ω00'06		morning rise	1240 Jan 04 j 06:09	9°Ω15'29	
	1239 Feb 08 j 16:20	0°≈		direct	1240 Jan 10 j 10:43	6°Ω30'36	
desc. node	1239 Feb 09 j 05:04	0°≈31'17		morning max el	1240 Jan 22 j 19:23	13°Ω50'59	25°50'29
morning max el	1239 Feb 09 j 10:13	0°≈44'11	26°57'35	desc. node	1240 Jan 27 j 02:07	18°Ω31'59	
	1239 Mar 03 j 05:11	0°✎			1240 Feb 04 j 23:03	0°≈	
morning set	1239 Mar 17 j 04:08	24°✎35'32			1240 Feb 23 j 23:25	0°✎	
	1239 Mar 19 j 22:36	0°Y		morning set	1240 Feb 28 j 01:24	7°✎20'30	
max. Earth dist.	1239 Mar 21 j 15:05	3°Y22'34	1.34188 AU	max. Earth dist.	1240 Mar 02 j 21:36	14°✎33'35	1.35729 AU
superior conj	1239 Mar 25 j 13:42	11°Y28'56	-0°48'46	superior conj	1240 Mar 08 j 08:06	25°✎15'59	-1°15'23
minimum elong	1239 Mar 25 j 16:07	11°Y41'33	0°48'17	minimum elong	1240 Mar 08 j 11:42	25°✎34'10	1°14'49
asc. node	1239 Mar 30 j 09:11	21°Y37'19			1240 Mar 10 j 16:02	0°Y	
evening rise	1239 Apr 02 j 00:11	27°Y08'17		evening rise	1240 Mar 16 j 06:39	11°Y31'08	
	1239 Apr 03 j 09:22	0°Ω		asc. node	1240 Mar 16 j 06:12	11°Y28'53	
evening max el	1239 Apr 22 j 00:24	29°Ω29'47	21°29'03		1240 Mar 26 j 02:37	0°Ω	
	1239 Apr 22 j 13:09	0°Π		evening max el	1240 Apr 03 j 07:06	10°Ω43'45	20°10'21
retrograde	1239 May 04 j 05:02	5°Π27'03		retrograde	1240 Apr 13 j 19:02	15°Ω47'32	
evening set	1239 May 06 j 14:38	5°Π13'57		evening set	1240 Apr 15 j 20:25	15°Ω36'42	
desc. node	1239 May 08 j 04:19	4°Π52'00		desc. node	1240 Apr 24 j 01:19	12°Ω06'45	
inferior conj	1239 May 16 j 00:25	1°Π13'18	-2°13'22	inferior conj	1240 Apr 24 j 20:41	11°Ω38'05	-0°14'01
minimum elong	1239 May 15 j 18:21	1°Π21'48	2°11'21	minimum elong	1240 Apr 24 j 20:02	11°Ω39'03	0°13'46
min. Earth dist.	1239 May 16 j 02:04	1°Π10'58	0.54946 AU	transit middle	1240 Apr 24 j 20:02	11°Ω39'03	0°13'46
	1239 May 18 j 05:22	30°RΩ		transit begin	1240 Apr 24 j 18:02	11°Ω42'03	
morning rise	1239 May 24 j 22:43	27°Ω15'24		transit end	1240 Apr 24 j 22:03	11°Ω36'04	
direct	1239 May 28 j 02:39	26°Ω53'32		min. Earth dist.	1240 Apr 26 j 15:28	10°Ω34'37	0.55288 AU
	1239 Jun 06 j 03:05	0°Π		morning rise	1240 May 03 j 17:56	7°Ω17'11	
morning max el	1239 Jun 09 j 14:02	2°Π47'44	22°06'31	direct	1240 May 07 j 15:37	6°Ω43'56	
asc. node	1239 Jun 26 j 08:25	27°Π23'46		morning max el	1240 May 21 j 06:56	13°Ω26'26	23°47'27
	1239 Jun 27 j 16:14	0°Ω			1240 Jun 03 j 00:39	0°Π	
morning set	1239 Jun 30 j 21:50	6°Ω36'14					

asc. node	1240 Jun 12 j 05:30	17° $\Pi$ 03'03		morning set	1241 May 29 j 21:13	6° $\Pi$ 29'24	
morning set	1240 Jun 14 j 09:26	21° $\Pi$ 32'37		asc. node	1241 May 30 j 02:33	6° $\Pi$ 57'30	
	1240 Jun 18 j 08:16	0° $\mathfrak{E}$					
superior conj	1240 Jun 21 j 10:24	6° $\mathfrak{E}$ 40'50	1°23'39	superior conj	1241 Jun 05 j 20:44	21° $\Pi$ 36'42	1°06'00
minimum elong	1240 Jun 21 j 08:00	6° $\mathfrak{E}$ 27'50	1°23'21	minimum elong	1241 Jun 05 j 18:24	21° $\Pi$ 23'54	1°05'37
max. Earth dist.	1240 Jun 23 j 13:36	11° $\mathfrak{E}$ 15'14	1.33393 AU	max. Earth dist.	1241 Jun 06 j 21:43	23° $\Pi$ 53'10	1.32642 AU
evening rise	1240 Jun 28 j 21:31	22° $\mathfrak{E}$ 18'15			1241 Jun 09 j 17:34	0° $\mathfrak{E}$	
	1240 Jul 02 j 20:01	0° $\mathcal{O}$		evening rise	1241 Jun 12 j 23:11	6° $\mathfrak{E}$ 48'08	
desc. node	1240 Jul 21 j 00:41	29° $\mathcal{O}$ 47'10			1241 Jun 25 j 08:28	0° $\mathcal{O}$	
	1240 Jul 21 j 04:26	0° $\mathfrak{M}$		desc. node	1241 Jul 07 j 21:43	18° $\mathcal{O}$ 23'08	
evening max el	1240 Aug 01 j 14:31	13° $\mathfrak{M}$ 25'30	27°24'33	evening max el	1241 Jul 14 j 22:41	26° $\mathcal{O}$ 09'41	27°17'29
retrograde	1240 Aug 15 j 04:47	20° $\mathfrak{M}$ 43'45			1241 Jul 19 j 13:55	0° $\mathfrak{M}$	
evening set	1240 Aug 22 j 08:33	18° $\mathfrak{M}$ 03'03		retrograde	1241 Jul 28 j 18:19	3° $\mathfrak{M}$ 25'43	
min. Earth dist.	1240 Aug 26 j 00:39	14° $\mathfrak{M}$ 46'11	0.63907 AU	evening set	1241 Aug 04 j 22:30	1° $\mathfrak{M}$ 00'56	
inferior conj	1240 Aug 28 j 12:44	12° $\mathfrak{M}$ 10'20	-3°18'00		1241 Aug 06 j 08:27	30° $\mathcal{R}$ $\mathcal{O}$	
minimum elong	1240 Aug 28 j 17:36	11° $\mathfrak{M}$ 57'41	3°16'30	min. Earth dist.	1241 Aug 08 j 12:37	28° $\mathcal{O}$ 11'13	0.62113 AU
morning rise	1240 Sep 04 j 03:42	6° $\mathfrak{M}$ 49'09		inferior conj	1241 Aug 11 j 12:40	25° $\mathcal{O}$ 25'14	-4°06'29
direct	1240 Sep 06 j 17:11	6° $\mathfrak{M}$ 16'29		minimum elong	1241 Aug 11 j 17:43	25° $\mathcal{O}$ 13'34	4°05'22
asc. node	1240 Sep 08 j 04:40	6° $\mathfrak{M}$ 27'32		morning rise	1241 Aug 18 j 14:24	20° $\mathcal{O}$ 23'42	
morning max el	1240 Sep 13 j 06:07	9° $\mathfrak{M}$ 42'23	17°54'51	direct	1241 Aug 21 j 01:20	19° $\mathcal{O}$ 57'21	
	1240 Sep 26 j 21:12	0° $\mathfrak{A}$		asc. node	1241 Aug 26 j 01:45	21° $\mathcal{O}$ 50'33	
morning set	1240 Sep 30 j 03:50	5° $\mathfrak{A}$ 38'04		morning max el	1241 Aug 27 j 21:22	23° $\mathcal{O}$ 24'43	17°54'08
					1241 Sep 02 j 02:48	0° $\mathfrak{M}$	
superior conj	1240 Oct 12 j 19:49	26° $\mathfrak{A}$ 57'10	0°27'49	morning set	1241 Sep 12 j 21:41	18° $\mathfrak{M}$ 29'34	
minimum elong	1240 Oct 12 j 22:48	27° $\mathfrak{A}$ 09'18	0°27'24		1241 Sep 19 j 07:54	0° $\mathfrak{A}$	
	1240 Oct 14 j 16:45	0° $\mathfrak{M}$		superior conj	1241 Sep 23 j 18:27	7° $\mathfrak{A}$ 43'43	1°04'55
desc. node	1240 Oct 17 j 00:00	3° $\mathfrak{M}$ 42'41		minimum elong	1241 Sep 23 j 23:11	8° $\mathfrak{A}$ 04'00	1°04'20
max. Earth dist.	1240 Oct 18 j 10:54	6° $\mathfrak{M}$ 02'11	1.44288 AU	max. Earth dist.	1241 Oct 01 j 01:04	19° $\mathfrak{A}$ 54'26	1.42931 AU
evening rise	1240 Oct 28 j 19:55	22° $\mathfrak{M}$ 16'24		desc. node	1241 Oct 03 j 21:02	24° $\mathfrak{A}$ 29'40	
	1240 Nov 02 j 21:09	0° $\mathfrak{A}$			1241 Oct 07 j 08:10	0° $\mathfrak{M}$	
	1240 Nov 24 j 02:19	0° $\mathfrak{B}$		evening rise	1241 Oct 08 j 06:08	1° $\mathfrak{M}$ 26'13	
evening max el	1240 Nov 25 j 19:36	1° $\mathfrak{B}$ 52'14	20°31'34		1241 Oct 27 j 10:46	0° $\mathfrak{A}$	
retrograde	1240 Dec 03 j 20:57	6° $\mathfrak{B}$ 37'19		evening max el	1241 Nov 08 j 16:33	15° $\mathfrak{A}$ 22'17	21°43'08
asc. node	1240 Dec 05 j 03:54	6° $\mathfrak{B}$ 27'56		retrograde	1241 Nov 17 j 17:55	20° $\mathfrak{A}$ 45'38	
evening set	1240 Dec 07 j 17:17	5° $\mathfrak{B}$ 11'54		evening set	1241 Nov 22 j 01:02	19° $\mathfrak{A}$ 04'03	
	1240 Dec 12 j 10:23	30° $\mathcal{R}$ $\mathfrak{A}$		asc. node	1241 Nov 22 j 00:58	19° $\mathfrak{A}$ 04'11	
inferior conj	1240 Dec 13 j 02:56	29° $\mathfrak{A}$ 03'59	2°28'31	inferior conj	1241 Nov 27 j 09:28	12° $\mathfrak{A}$ 47'09	1°45'31
minimum elong	1240 Dec 13 j 00:18	29° $\mathfrak{A}$ 12'56	2°27'42	minimum elong	1241 Nov 27 j 07:19	12° $\mathfrak{A}$ 54'37	1°44'42
min. Earth dist.	1240 Dec 13 j 18:08	28° $\mathfrak{A}$ 12'19	0.67240 AU	min. Earth dist.	1241 Nov 27 j 13:02	12° $\mathfrak{A}$ 34'49	0.67672 AU
morning rise	1240 Dec 18 j 07:08	22° $\mathfrak{A}$ 50'50		morning rise	1241 Dec 02 j 13:27	6° $\mathfrak{A}$ 34'50	
direct	1240 Dec 23 j 21:21	20° $\mathfrak{A}$ 22'32		direct	1241 Dec 07 j 12:26	4° $\mathfrak{A}$ 28'06	
morning max el	1241 Jan 04 j 03:46	27° $\mathfrak{A}$ 05'34	24°27'47	morning max el	1241 Dec 17 j 13:22	10° $\mathfrak{A}$ 25'30	22°59'34
	1241 Jan 06 j 21:02	0° $\mathfrak{B}$		desc. node	1241 Dec 30 j 20:15	26° $\mathfrak{A}$ 56'27	
desc. node	1241 Jan 12 j 23:11	7° $\mathfrak{B}$ 25'33			1242 Jan 02 j 00:15	0° $\mathfrak{B}$	
	1241 Jan 28 j 14:43	0° $\mathfrak{A}$		morning set	1242 Jan 21 j 02:31	29° $\mathfrak{B}$ 28'47	
morning set	1241 Feb 09 j 02:55	19° $\mathfrak{A}$ 03'25			1242 Jan 21 j 10:02	0° $\mathfrak{A}$	
max. Earth dist.	1241 Feb 12 j 19:08	25° $\mathfrak{A}$ 36'23	1.37665 AU	max. Earth dist.	1242 Jan 25 j 14:38	7° $\mathfrak{A}$ 05'57	1.39794 AU
	1241 Feb 15 j 04:35	0° $\mathfrak{H}$					
superior conj	1241 Feb 19 j 15:31	8° $\mathfrak{H}$ 26'25	-1°38'58	superior conj	1242 Feb 02 j 07:44	20° $\mathfrak{A}$ 49'30	-1°56'29
minimum elong	1241 Feb 19 j 19:39	8° $\mathfrak{H}$ 46'23	1°38'30	minimum elong	1242 Feb 02 j 11:00	21° $\mathfrak{A}$ 04'28	1°56'17
evening rise	1241 Feb 28 j 07:11	25° $\mathfrak{H}$ 30'54			1242 Feb 07 j 05:39	0° $\mathfrak{H}$	
	1241 Mar 02 j 13:52	0° $\mathfrak{Y}$		evening rise	1242 Feb 11 j 22:52	9° $\mathfrak{H}$ 00'16	
asc. node	1241 Mar 03 j 03:15	1° $\mathfrak{Y}$ 05'00		asc. node	1242 Feb 18 j 00:17	20° $\mathfrak{H}$ 20'10	
evening max el	1241 Mar 17 j 01:07	22° $\mathfrak{Y}$ 36'37	19°10'11		1242 Feb 23 j 22:52	0° $\mathfrak{Y}$	
retrograde	1241 Mar 25 j 21:22	26° $\mathfrak{Y}$ 53'05		evening max el	1242 Feb 28 j 04:20	5° $\mathfrak{Y}$ 04'44	18°30'09
evening set	1241 Mar 28 j 01:19	26° $\mathfrak{Y}$ 38'49		retrograde	1242 Mar 07 j 18:31	8° $\mathfrak{Y}$ 48'29	
inferior conj	1241 Apr 05 j 07:21	22° $\mathfrak{Y}$ 27'29	1°33'22	evening set	1242 Mar 10 j 03:58	8° $\mathfrak{Y}$ 27'25	
minimum elong	1241 Apr 05 j 10:47	22° $\mathfrak{Y}$ 21'38	1°32'17	inferior conj	1242 Mar 17 j 14:55	3° $\mathfrak{Y}$ 56'55	2°48'53
min. Earth dist.	1241 Apr 08 j 06:30	20° $\mathfrak{Y}$ 27'24	0.56516 AU	minimum elong	1242 Mar 17 j 18:54	3° $\mathfrak{Y}$ 48'59	2°47'57
desc. node	1241 Apr 10 j 22:22	18° $\mathfrak{Y}$ 50'49		min. Earth dist.	1242 Mar 21 j 01:10	1° $\mathfrak{Y}$ 14'43	0.58362 AU
morning rise	1241 Apr 13 j 17:19	17° $\mathfrak{Y}$ 33'03			1242 Mar 22 j 19:00	30° $\mathcal{R}$ $\mathfrak{H}$	
direct	1241 Apr 18 j 15:54	16° $\mathfrak{Y}$ 36'20		morning rise	1242 Mar 25 j 07:01	28° $\mathfrak{H}$ 31'27	
morning max el	1241 May 02 j 21:23	23° $\mathfrak{Y}$ 53'56	25°25'56	desc. node	1242 Mar 28 j 19:24	27° $\mathfrak{H}$ 15'30	
	1241 May 08 j 10:13	0° $\mathfrak{B}$		direct	1242 Mar 31 j 06:12	26° $\mathfrak{H}$ 59'59	
	1241 May 26 j 17:43	0° $\Pi$			1242 Apr 08 j 23:12	0° $\mathfrak{Y}$	
				morning max el	1242 Apr 14 j 15:14	4° $\mathfrak{Y}$ 39'22	26°46'13

	1242 May 03 j 04:06	0°♄			1243 Apr 25 j 15:26	0°♄	
morning set	1242 May 14 j 07:35	21°♄21'12		morning set	1243 Apr 28 j 14:38	6°♄00'43	
asc. node	1242 May 16 j 23:36	27°♄01'59		asc. node	1243 May 03 j 20:38	17°♄11'08	
	1242 May 18 j 08:25	0°♂		max. Earth dist.	1243 May 04 j 21:39	19°♄27'39	1.32287 AU
superior conj	1242 May 21 j 08:29	6°♂35'08	0°44'47	superior conj	1243 May 05 j 19:51	21°♄29'11	0°20'42
minimum elong	1242 May 21 j 06:39	6°♂25'07	0°44'26	minimum elong	1243 May 05 j 18:55	21°♄24'06	0°20'30
max. Earth dist.	1242 May 21 j 09:42	6°♂41'49	1.32276 AU		1243 May 09 j 17:08	0°♂	
evening rise	1242 May 28 j 06:24	21°♂33'23		evening rise	1243 May 12 j 16:51	6°♂25'31	
	1242 Jun 01 j 09:48	0°♅			1243 May 25 j 02:19	0°♅	
	1242 Jun 19 j 18:01	0°♆		evening max el	1243 Jun 08 j 20:12	19°♅26'04	25°26'56
desc. node	1242 Jun 24 j 18:43	5°♆54'30		desc. node	1243 Jun 11 j 15:43	21°♅54'08	
evening max el	1242 Jun 27 j 00:57	8°♆11'02	26°37'14	retrograde	1243 Jun 22 j 20:56	26°♅35'15	
retrograde	1242 Jul 11 j 00:21	15°♆24'50		evening set	1243 Jun 28 j 14:21	25°♅18'29	
evening set	1242 Jul 17 j 17:51	13°♆29'24		min. Earth dist.	1243 Jul 03 j 08:16	22°♅36'09	0.58047 AU
min. Earth dist.	1242 Jul 21 j 14:24	10°♆52'33	0.60090 AU	inferior conj	1243 Jul 06 j 12:32	20°♅22'51	-4°53'09
inferior conj	1242 Jul 24 j 21:46	8°♆12'41	-4°41'42	minimum elong	1243 Jul 06 j 11:58	20°♅23'51	4°53'09
minimum elong	1242 Jul 25 j 01:12	8°♆05'44	4°41'19	morning rise	1243 Jul 14 j 12:07	16°♅05'55	
morning rise	1242 Aug 01 j 10:33	3°♆33'26		direct	1243 Jul 17 j 00:58	15°♅46'07	
direct	1242 Aug 03 j 21:23	3°♆11'10		morning max el	1243 Jul 25 j 13:17	19°♅46'56	18°51'48
morning max el	1242 Aug 11 j 08:49	6°♆49'29	18°12'42	asc. node	1243 Jul 30 j 19:52	26°♅08'34	
asc. node	1242 Aug 12 j 22:49	8°♆29'27			1243 Aug 02 j 07:40	0°♆	
	1242 Aug 26 j 04:13	0°♇		morning set	1243 Aug 11 j 02:16	16°♆10'47	
morning set	1242 Aug 27 j 06:38	2°♇04'30			1243 Aug 18 j 03:49	0°♇	
superior conj	1242 Sep 05 j 18:35	19°♇45'41	1°29'33	superior conj	1243 Aug 19 j 14:45	2°♇47'15	1°42'42
minimum elong	1242 Sep 05 j 22:19	20°♇02'36	1°29'14	minimum elong	1243 Aug 19 j 16:32	2°♇55'46	1°42'37
	1242 Sep 11 j 13:42	0°♈		max. Earth dist.	1243 Aug 26 j 13:07	15°♇34'32	1.39090 AU
max. Earth dist.	1242 Sep 13 j 09:18	3°♈06'21	1.41119 AU	evening rise	1243 Aug 30 j 11:32	22°♇26'53	
evening rise	1242 Sep 18 j 08:49	11°♈22'46			1243 Sep 03 j 23:50	0°♈	
desc. node	1242 Sep 20 j 18:04	15°♈13'33		desc. node	1243 Sep 07 j 15:05	5°♈50'32	
	1242 Sep 30 j 08:06	0°♉			1243 Sep 24 j 06:13	0°♉	
evening max el	1242 Oct 22 j 08:23	28°♉53'47	23°01'47	evening max el	1243 Oct 04 j 21:11	12°♉29'30	24°21'35
	1242 Oct 23 j 11:33	0°♊		retrograde	1243 Oct 16 j 03:23	19°♉05'01	
retrograde	1242 Nov 01 j 12:28	4°♊55'56		evening set	1243 Oct 21 j 12:56	16°♉49'19	
evening set	1242 Nov 06 j 08:07	2°♊57'12		min. Earth dist.	1243 Oct 26 j 05:44	11°♉25'08	0.67527 AU
asc. node	1242 Nov 08 j 22:02	0°♊16'29		inferior conj	1243 Oct 26 j 23:17	10°♉26'13	0°03'38
	1242 Nov 09 j 03:24	30°♋♌		minimum elong	1243 Oct 26 j 23:11	10°♉26'31	0°03'36
inferior conj	1242 Nov 11 j 16:50	26°♋35'07	0°56'45	transit middle	1243 Oct 26 j 23:11	10°♉26'31	0°03'36
minimum elong	1242 Nov 11 j 15:33	26°♋39'34	0°56'13	transit begin	1243 Oct 26 j 20:31	10°♋35'29	
min. Earth dist.	1242 Nov 11 j 09:43	26°♋59'40	0.67762 AU	transit end	1243 Oct 27 j 01:51	10°♋17'34	
morning rise	1242 Nov 16 j 22:53	20°♋25'41		asc. node	1243 Oct 26 j 19:04	10°♋40'24	
direct	1242 Nov 21 j 07:13	18°♋41'40		morning rise	1243 Nov 01 j 09:28	4°♋22'04	
morning max el	1242 Nov 30 j 03:27	23°♋52'38	21°34'36	direct	1243 Nov 05 j 04:37	2°♋59'30	
	1242 Dec 05 j 11:46	0°♌		morning max el	1243 Nov 13 j 00:42	7°♋30'06	20°19'31
desc. node	1242 Dec 17 j 17:17	16°♌53'55			1243 Nov 29 j 19:51	0°♌	
	1242 Dec 26 j 10:14	0°♍		desc. node	1243 Dec 04 j 14:19	7°♌10'49	
morning set	1242 Dec 31 j 20:54	8°♍30'44		morning set	1243 Dec 10 j 18:55	16°♌40'31	
max. Earth dist.	1243 Jan 07 j 14:27	19°♍24'40	1.41850 AU		1243 Dec 19 j 06:33	0°♎	
	1243 Jan 13 j 21:01	0°♏		max. Earth dist.	1243 Dec 20 j 22:00	2°♎37'51	1.43556 AU
superior conj	1243 Jan 15 j 03:27	2°♏11'43	-2°03'53	superior conj	1243 Dec 26 j 21:52	12°♎23'25	-1°56'16
minimum elong	1243 Jan 15 j 03:36	2°♏12'23	2°03'53	minimum elong	1243 Dec 26 j 16:54	12°♎02'54	1°56'01
evening rise	1243 Jan 26 j 02:03	21°♏49'43			1244 Jan 06 j 07:20	0°♏	
	1243 Jan 30 j 13:50	0°♐		evening rise	1244 Jan 08 j 12:33	3°♏51'16	
asc. node	1243 Feb 04 j 21:19	9°♐06'31		asc. node	1244 Jan 22 j 18:21	27°♏15'16	
evening max el	1243 Feb 11 j 13:36	17°♐58'36	18°10'08		1244 Jan 24 j 23:28	0°♐	
retrograde	1243 Feb 18 j 09:12	21°♐25'36		evening max el	1244 Jan 26 j 01:49	1°♐10'10	18°09'35
evening set	1243 Feb 21 j 00:04	20°♐55'38		retrograde	1244 Feb 01 j 13:27	4°♐34'52	
inferior conj	1243 Feb 27 j 18:51	16°♐04'20	3°30'53	evening set	1244 Feb 04 j 09:20	3°♐54'44	
minimum elong	1243 Feb 27 j 21:11	15°♐58'56	3°30'34		1244 Feb 09 j 09:49	30°♑♒	
min. Earth dist.	1243 Mar 03 j 01:49	13°♐03'29	0.60482 AU	inferior conj	1244 Feb 10 j 15:40	28°♑43'00	3°45'44
morning rise	1243 Mar 06 j 16:20	10°♐17'42		minimum elong	1244 Feb 10 j 15:55	28°♑42'19	3°45'44
direct	1243 Mar 13 j 08:39	8°♐09'14		min. Earth dist.	1244 Feb 13 j 10:39	25°♑48'09	0.62555 AU
desc. node	1243 Mar 15 j 16:27	8°♐24'02		morning rise	1244 Feb 16 j 21:24	22°♑43'48	
morning max el	1243 Mar 27 j 14:59	16°♐00'10	27°35'39	direct	1244 Feb 23 j 20:36	20°♑07'13	
	1243 Apr 08 j 02:00	0°♑		desc. node	1244 Mar 01 j 13:29	22°♑10'55	

morning max el	1244 Mar 08 j 20:20	28°  01'39	27°48'19	min. Earth dist.	1245 Jan 26 j 04:58	9°  14'43	0.64357 AU
	1244 Mar 10 j 17:59	0° 		morning rise	1245 Jan 29 j 19:16	5°  38'13	
	1244 Mar 31 j 19:48	0° 		direct	1245 Feb 05 j 15:59	2°  47'47	
morning set	1244 Apr 11 j 16:18	20°  21'08		desc. node	1245 Feb 16 j 10:30	8°  01'57	
	1244 Apr 16 j 07:42	0° 		morning max el	1245 Feb 19 j 05:13	10°  37'56	27°25'07
max. Earth dist.	1244 Apr 17 j 05:52	1°  58'24	1.32693 AU		1245 Mar 06 j 12:20	0° 	
					1245 Mar 24 j 05:31	0° 	
superior conj	1244 Apr 19 j 05:09	6°  13'13	-0°05'31	morning set	1245 Mar 26 j 09:58	4°  13'52	
minimum elong	1244 Apr 19 j 05:25	6°  14'39	0°05'28	max. Earth dist.	1245 Mar 31 j 06:31	14°  02'12	1.33516 AU
behind sun begin	1244 Apr 19 j 00:31	5°  48'06					
behind sun end	1244 Apr 19 j 10:19	6°  41'12		superior conj	1245 Apr 03 j 10:31	20°  41'01	-0°32'54
asc. node	1244 Apr 19 j 17:39	7°  21'00		minimum elong	1245 Apr 03 j 12:09	20°  49'38	0°32'34
evening rise	1244 Apr 26 j 04:38	21°  18'06		asc. node	1245 Apr 06 j 14:41	27°  47'31	
	1244 Apr 30 j 10:08	0° 			1245 Apr 07 j 19:11	0° 	
	1244 May 20 j 08:00	0° 		evening rise	1245 Apr 10 j 15:56	6°  04'47	
evening max el	1244 May 20 j 10:43	0°  06'33	23°56'33		1245 Apr 23 j 13:55	0° 	
desc. node	1244 May 28 j 12:44	5°  48'03		evening max el	1245 May 02 j 02:34	10°  39'01	22°20'53
retrograde	1244 Jun 03 j 05:22	7°  01'37		retrograde	1245 May 15 j 01:21	17°  02'49	
evening set	1244 Jun 07 j 12:34	6°  20'48		desc. node	1245 May 15 j 09:44	17°  02'33	
min. Earth dist.	1244 Jun 13 j 21:34	3°  17'23	0.56303 AU	evening set	1245 May 17 j 23:58	16°  43'44	
inferior conj	1244 Jun 16 j 07:08	1°  49'09	-4°27'08	min. Earth dist.	1245 May 26 j 09:25	13°  06'57	0.55192 AU
minimum elong	1244 Jun 16 j 01:28	1°  57'52	4°26'14	inferior conj	1245 May 27 j 08:21	12°  34'35	-3°14'10
	1244 Jun 19 j 09:03	30°  11'00		minimum elong	1245 May 27 j 00:44	12°  45'21	3°12'01
morning rise	1244 Jun 24 j 17:05	27°  15'05		morning rise	1245 Jun 05 j 03:24	8°  14'00	
direct	1244 Jun 27 j 09:37	27°  13'12		direct	1245 Jun 08 j 01:46	8°  12'32	
	1244 Jul 04 j 16:42	0° 		morning max el	1245 Jun 19 j 15:18	13°  45'51	21°12'44
morning max el	1244 Jul 07 j 07:55	2°  07'37	19°52'09		1245 Jul 01 j 14:07	0° 	
asc. node	1244 Jul 16 j 16:53	14°  34'25		asc. node	1245 Jul 03 j 13:56	3°  36'03	
	1244 Jul 24 j 21:25	0° 		morning set	1245 Jul 09 j 13:11	15°  24'24	
morning set	1244 Jul 25 j 05:16	0° 					
				superior conj	1245 Jul 16 j 22:48	0°  51'01	1°42'09
superior conj	1244 Aug 02 j 01:34	16°  33'01	1°46'16	minimum elong	1245 Jul 16 j 21:22	0°  43'34	1°42'04
minimum elong	1244 Aug 02 j 01:29	16°  32'38	1°46'16		1245 Jul 16 j 12:57	0° 	
max. Earth dist.	1244 Aug 07 j 17:29	27°  32'45	1.37107 AU	max. Earth dist.	1245 Jul 21 j 03:57	9°  25'00	1.35372 AU
	1244 Aug 09 j 00:58	0° 		evening rise	1245 Jul 25 j 10:19	17°  42'10	
evening rise	1244 Aug 11 j 13:27	4°  36'50			1245 Aug 01 j 05:20	0° 	
desc. node	1244 Aug 24 j 12:05	26°  15'41		desc. node	1245 Aug 11 j 09:07	16°  23'13	
	1244 Aug 26 j 22:56	0° 			1245 Aug 21 j 05:00	0° 	
evening max el	1244 Sep 16 j 09:04	26°  08'29	25°35'21	evening max el	1245 Aug 29 j 21:08	9°  45'52	26°35'21
	1244 Sep 20 j 20:28	0° 		retrograde	1245 Sep 11 j 18:51	16°  59'14	
retrograde	1244 Sep 28 j 13:39	3°  10'57		evening set	1245 Sep 18 j 08:29	14°  17'35	
evening set	1244 Oct 04 j 13:42	0° 		min. Earth dist.	1245 Sep 22 j 10:01	10°  05'32	0.66063 AU
	1244 Oct 05 j 06:10	30°  11'00		inferior conj	1245 Sep 24 j 02:11	8°  05'10	-1°50'00
min. Earth dist.	1244 Oct 08 j 22:39	25°  48'11	0.66966 AU	minimum elong	1245 Sep 24 j 05:04	7°  56'30	1°48'51
inferior conj	1244 Oct 10 j 03:02	24°  17'14	-0°52'30	asc. node	1245 Sep 29 j 13:07	2°  39'46	
minimum elong	1244 Oct 10 j 04:22	24°  12'55	0°51'54	morning rise	1245 Sep 30 j 02:10	2°  20'20	
asc. node	1244 Oct 12 j 16:06	21°  10'24		direct	1245 Oct 03 j 00:58	1°  31'26	
morning rise	1244 Oct 15 j 19:15	18°  21'12		morning max el	1245 Oct 09 j 16:51	5°  11'09	18°32'31
direct	1244 Oct 19 j 03:09	17°  17'13			1245 Oct 26 j 20:21	0° 	
morning max el	1244 Oct 26 j 05:37	21°  17'18	19°18'10	morning set	1245 Oct 29 j 21:19	4°  15'20	
	1244 Nov 02 j 05:53	0° 		desc. node	1245 Nov 07 j 08:24	18°  10'52	
morning set	1244 Nov 18 j 20:09	25°  10'45					
desc. node	1244 Nov 20 j 11:20	27°  14'11		superior conj	1245 Nov 14 j 15:58	29°  15'35	-0°47'20
	1244 Nov 21 j 23:00	0° 		minimum elong	1245 Nov 14 j 09:55	29°  18'46	0°46'33
max. Earth dist.	1244 Dec 02 j 12:38	16°  33'38	1.44687 AU		1245 Nov 14 j 17:52	0° 	
				max. Earth dist.	1245 Nov 15 j 07:12	0°  52'25	1.45110 AU
superior conj	1244 Dec 05 j 14:27	21°  26'05	-1°30'03	evening rise	1245 Nov 30 j 16:18	25°  06'25	
minimum elong	1244 Dec 05 j 05:51	20°  51'54	1°29'12		1245 Dec 03 j 18:19	0° 	
	1244 Dec 10 j 22:46	0° 		greatest brilliancy	1245 Dec 09 j 17:56	9°  27'49	-0.8m
evening rise	1244 Dec 20 j 02:08	14°  35'34		evening max el	1245 Dec 23 j 00:05	27°  58'27	19°03'32
	1244 Dec 29 j 04:54	0° 			1245 Dec 25 j 05:49	0° 	
evening max el	1245 Jan 08 j 14:08	14°  31'45	18°27'44	asc. node	1245 Dec 26 j 12:24	0°  52'04	
asc. node	1245 Jan 08 j 15:23	14°  34'55		retrograde	1245 Dec 29 j 22:01	1°  54'28	
retrograde	1245 Jan 15 j 02:59	18°  06'46		evening set	1246 Jan 02 j 05:15	0°  51'13	
evening set	1245 Jan 18 j 04:03	17°  15'35			1246 Jan 03 j 09:02	30°  11'00	
inferior conj	1245 Jan 24 j 01:19	11°  44'47	3°40'33	inferior conj	1246 Jan 07 j 20:16	25°  03'39	3°20'47
minimum elong	1245 Jan 23 j 23:56	11°  48'49	3°40'27	minimum elong	1246 Jan 07 j 17:54	25°  11'06	3°20'21

min. Earth dist.	1246 Jan 09 j 08:38	23° $\text{Z}$ 09'00	0.65785 AU	evening set	1246 Dec 17 j 10:32	14° $\text{Z}$ 36'27	
morning rise	1246 Jan 13 j 06:17	18° $\text{Z}$ 52'42		inferior conj	1246 Dec 22 j 21:35	8° $\text{Z}$ 35'02	2°50'09
direct	1246 Jan 19 j 17:50	16° $\text{Z}$ 02'36		minimum elong	1246 Dec 22 j 18:53	8° $\text{Z}$ 44'00	2°49'25
morning max el	1246 Feb 01 j 15:04	23° $\text{Z}$ 37'57	26°31'39	min. Earth dist.	1246 Dec 23 j 20:05	7° $\text{Z}$ 20'03	0.66812 AU
desc. node	1246 Feb 03 j 07:33	25° $\text{Z}$ 23'22		morning rise	1246 Dec 28 j 03:02	2° $\text{Z}$ 21'56	
	1246 Feb 07 j 07:55	0° $\approx$			1247 Jan 01 j 02:06	30° $\text{R}$ $\text{Z}$	
	1246 Feb 27 j 20:43	0° $\text{H}$		direct	1247 Jan 03 j 01:35	29° $\text{Z}$ 43'18	
morning set	1246 Mar 09 j 16:02	17° $\text{H}$ 27'45			1247 Jan 05 j 03:19	0° $\text{Z}$	
max. Earth dist.	1246 Mar 13 j 20:20	25° $\text{H}$ 32'29	1.34791 AU	morning max el	1247 Jan 15 j 00:05	6° $\text{Z}$ 50'06	25°16'43
	1246 Mar 16 j 01:50	0° $\text{Y}$		desc. node	1247 Jan 21 j 04:38	13° $\text{Z}$ 49'15	
					1247 Feb 02 j 00:52	0° $\approx$	
superior conj	1246 Mar 18 j 09:43	4° $\text{Y}$ 45'11	-1°00'17	morning set	1247 Feb 20 j 05:47	29° $\approx$ 49'29	
minimum elong	1246 Mar 18 j 12:41	5° $\text{Y}$ 00'28	0°59'45		1247 Feb 20 j 08:07	0° $\text{H}$	
asc. node	1246 Mar 24 j 11:44	17° $\text{Y}$ 25'59		max. Earth dist.	1247 Feb 23 j 22:33	6° $\text{H}$ 37'12	1.36508 AU
evening rise	1246 Mar 26 j 00:48	20° $\text{Y}$ 38'31					
	1246 Mar 30 j 16:35	0° $\text{B}$		superior conj	1247 Mar 01 j 23:57	18° $\text{H}$ 18'23	-1°25'55
evening max el	1246 Apr 14 j 02:37	21° $\text{B}$ 32'06	20°53'26	minimum elong	1247 Mar 02 j 03:54	18° $\text{H}$ 37'57	1°25'21
retrograde	1246 Apr 25 j 14:42	27° $\text{B}$ 07'31			1247 Mar 07 j 19:18	0° $\text{Y}$	
evening set	1246 Apr 27 j 18:55	26° $\text{B}$ 56'16		evening rise	1247 Mar 10 j 05:08	4° $\text{Y}$ 53'06	
desc. node	1246 May 02 j 06:45	25° $\text{B}$ 30'12		asc. node	1247 Mar 11 j 08:47	7° $\text{Y}$ 12'06	
inferior conj	1246 May 07 j 02:13	22° $\text{B}$ 58'10	-1°23'21		1247 Mar 24 j 19:27	0° $\text{B}$	
minimum elong	1246 May 06 j 22:17	23° $\text{B}$ 03'46	1°21'56	evening max el	1247 Mar 27 j 14:18	3° $\text{B}$ 03'10	19°42'21
min. Earth dist.	1246 May 07 j 22:00	22° $\text{B}$ 30'04	0.54970 AU	retrograde	1247 Apr 06 j 08:55	7° $\text{B}$ 45'41	
morning rise	1246 May 16 j 01:21	18° $\text{B}$ 52'50		evening set	1247 Apr 08 j 10:20	7° $\text{B}$ 34'04	
direct	1246 May 19 j 11:25	18° $\text{B}$ 27'38		inferior conj	1247 Apr 17 j 03:26	3° $\text{B}$ 31'27	0°34'35
morning max el	1246 Jun 01 j 12:34	24° $\text{B}$ 43'05	22°48'55	minimum elong	1247 Apr 17 j 04:55	3° $\text{B}$ 29'07	0°34'04
	1246 Jun 06 j 08:56	0° $\text{II}$		desc. node	1247 Apr 19 j 03:47	2° $\text{B}$ 15'47	
asc. node	1246 Jun 20 j 10:59	23° $\text{II}$ 03'39		min. Earth dist.	1247 Apr 19 j 12:19	2° $\text{B}$ 02'40	0.55710 AU
morning set	1246 Jun 23 j 23:57	0° $\text{E}$ 18'09			1247 Apr 23 j 04:59	30° $\text{R}$ $\text{Y}$	
	1246 Jun 23 j 20:29	0° $\text{E}$		morning rise	1247 Apr 25 j 20:58	28° $\text{Y}$ 56'18	
				direct	1247 Apr 30 j 04:31	28° $\text{Y}$ 14'45	
superior conj	1246 Jul 01 j 03:04	15° $\text{E}$ 30'10	1°31'53		1247 May 07 j 00:38	0° $\text{B}$	
minimum elong	1246 Jul 01 j 00:51	15° $\text{E}$ 18'22	1°31'39	morning max el	1247 May 14 j 03:53	5° $\text{B}$ 14'46	24°30'30
max. Earth dist.	1246 Jul 03 j 23:21	21° $\text{E}$ 30'07	1.33998 AU		1247 May 31 j 18:55	0° $\text{II}$	
	1246 Jul 08 j 03:22	0° $\text{O}$		asc. node	1247 Jun 07 j 08:04	12° $\text{II}$ 50'08	
evening rise	1246 Jul 08 j 21:22	1° $\text{O}$ 29'08		morning set	1247 Jun 08 j 11:50	15° $\text{II}$ 15'26	
	1246 Jul 25 j 03:50	0° $\text{P}$					
desc. node	1246 Jul 29 j 06:08	6° $\text{P}$ 04'28		superior conj	1247 Jun 15 j 11:50	0° $\text{E}$ 22'13	1°16'39
evening max el	1246 Aug 12 j 09:01	23° $\text{P}$ 11'51	27°14'15	minimum elong	1247 Jun 15 j 09:23	0° $\text{E}$ 08'59	1°16'18
	1246 Aug 22 j 13:23	0° $\text{L}$			1247 Jun 15 j 07:44	0° $\text{E}$	
retrograde	1246 Aug 25 j 18:37	0° $\text{L}$ 30'42		max. Earth dist.	1247 Jun 17 j 03:23	3° $\text{E}$ 56'10	1.33025 AU
	1246 Aug 28 j 20:11	30° $\text{R}$ $\text{P}$		evening rise	1247 Jun 22 j 18:40	15° $\text{E}$ 46'29	
evening set	1246 Sep 01 j 18:46	27° $\text{P}$ 46'12			1247 Jun 30 j 03:49	0° $\text{O}$	
min. Earth dist.	1246 Sep 05 j 13:39	24° $\text{P}$ 10'27	0.64796 AU	desc. node	1247 Jul 16 j 03:08	25° $\text{O}$ 08'28	
inferior conj	1246 Sep 07 j 18:30	21° $\text{P}$ 45'09	-2°46'49		1247 Jul 19 j 23:43	0° $\text{P}$	
minimum elong	1246 Sep 07 j 22:47	21° $\text{P}$ 33'21	2°45'19	evening max el	1247 Jul 25 j 19:11	6° $\text{P}$ 14'54	27°25'29
morning rise	1246 Sep 14 j 03:42	16° $\text{P}$ 14'38		retrograde	1247 Aug 08 j 12:22	13° $\text{P}$ 33'14	
asc. node	1246 Sep 16 j 10:11	15° $\text{P}$ 37'59		evening set	1247 Aug 15 j 17:18	10° $\text{P}$ 57'30	
direct	1246 Sep 16 j 19:47	15° $\text{P}$ 37'08		min. Earth dist.	1247 Aug 19 j 07:48	7° $\text{P}$ 53'26	0.63177 AU
morning max el	1246 Sep 23 j 07:57	19° $\text{P}$ 05'47	18°03'36	inferior conj	1247 Aug 22 j 01:19	5° $\text{P}$ 11'22	-3°39'43
	1246 Oct 01 j 10:26	0° $\text{L}$		minimum elong	1247 Aug 22 j 06:25	4° $\text{P}$ 58'43	3°38'19
morning set	1246 Oct 11 j 03:25	16° $\text{L}$ 00'59		morning rise	1247 Aug 28 j 20:49	29° $\text{O}$ 58'19	
	1246 Oct 19 j 14:10	0° $\text{M}$			1247 Aug 28 j 19:06	30° $\text{R}$ $\text{O}$	
				direct	1247 Aug 31 j 08:45	29° $\text{O}$ 28'49	
superior conj	1246 Oct 24 j 23:42	8° $\text{M}$ 43'06	0°01'37		1247 Sep 02 j 21:43	0° $\text{P}$	
minimum elong	1246 Oct 24 j 23:54	8° $\text{M}$ 43'53	0°01'34	asc. node	1247 Sep 03 j 07:16	0° $\text{P}$ 10'28	
behind sun begin	1246 Oct 24 j 13:19	8° $\text{M}$ 01'31		morning max el	1247 Sep 06 j 23:59	2° $\text{P}$ 54'35	17°52'14
behind sun end	1246 Oct 25 j 10:29	9° $\text{M}$ 26'11		morning set	1247 Sep 23 j 10:02	28° $\text{P}$ 20'03	
desc. node	1246 Oct 25 j 05:30	9° $\text{M}$ 06'18			1247 Sep 24 j 08:48	0° $\text{L}$	
max. Earth dist.	1246 Oct 29 j 02:01	15° $\text{M}$ 13'48	1.44784 AU				
	1246 Nov 07 j 12:43	0° $\text{Z}$		superior conj	1247 Oct 05 j 06:29	18° $\text{L}$ 42'47	0°45'02
evening rise	1246 Nov 10 j 09:35	4° $\text{Z}$ 26'30		minimum elong	1247 Oct 05 j 10:40	19° $\text{L}$ 00'10	0°44'28
greatest brilliancy	1246 Nov 24 j 03:04	25° $\text{Z}$ 22'28	-0.7m	max. Earth dist.	1247 Oct 11 j 18:03	29° $\text{L}$ 19'23	1.43773 AU
	1246 Nov 27 j 06:57	0° $\text{Z}$		desc. node	1247 Oct 12 j 02:29	29° $\text{L}$ 53'16	
evening max el	1246 Dec 06 j 05:46	11° $\text{Z}$ 27'29	19°55'26		1247 Oct 12 j 04:10	0° $\text{M}$	
asc. node	1246 Dec 13 j 09:26	15° $\text{Z}$ 52'10		evening rise	1247 Oct 20 j 17:16	13° $\text{M}$ 26'56	
retrograde	1246 Dec 13 j 19:36	15° $\text{Z}$ 53'10			1247 Oct 31 j 15:27	0° $\text{Z}$	

evening max el	1247 Nov 19 j 05:58	24° $\text{♊}$ 57'02	21°00'55	evening set	1248 Nov 15 j 01:29	12° $\text{♊}$ 19'08	
retrograde	1247 Nov 27 j 17:16	29° $\text{♊}$ 58'24		asc. node	1248 Nov 16 j 03:33	11° $\text{♊}$ 19'54	
asc. node	1247 Nov 30 j 06:30	29° $\text{♊}$ 21'55		inferior conj	1248 Nov 20 j 09:54	5° $\text{♊}$ 59'50	1°25'28
evening set	1247 Dec 01 j 17:51	28° $\text{♊}$ 26'31		minimum elong	1248 Nov 20 j 08:03	6° $\text{♊}$ 06'11	1°24'44
inferior conj	1247 Dec 07 j 02:48	22° $\text{♊}$ 14'26	2°11'06	min. Earth dist.	1248 Nov 20 j 08:54	6° $\text{♊}$ 03'16	0.67754 AU
minimum elong	1247 Dec 07 j 00:18	22° $\text{♊}$ 22'58	2°10'15		1248 Nov 25 j 09:09	30° $\text{♋}$	
min. Earth dist.	1247 Dec 07 j 12:58	21° $\text{♊}$ 39'26	0.67460 AU	morning rise	1248 Nov 25 j 14:29	29° $\text{♋}$ 48'30	
morning rise	1247 Dec 12 j 06:34	16° $\text{♊}$ 01'11		direct	1248 Nov 30 j 07:14	27° $\text{♋}$ 51'11	
direct	1247 Dec 17 j 14:20	13° $\text{♊}$ 41'26			1248 Dec 05 j 19:54	0° $\text{♋}$	
morning max el	1247 Dec 28 j 08:29	20° $\text{♊}$ 06'19	23°50'22	morning max el	1248 Dec 09 j 19:21	3° $\text{♋}$ 28'02	22°22'32
	1248 Jan 05 j 19:08	0° $\text{♋}$		desc. node	1248 Dec 24 j 22:44	22° $\text{♋}$ 43'21	
desc. node	1248 Jan 08 j 01:41	3° $\text{♋}$ 00'08			1248 Dec 29 j 22:33	0° $\text{♋}$	
	1248 Jan 26 j 05:49	0° $\text{♋}$		morning set	1249 Jan 12 j 07:59	20° $\text{♋}$ 49'22	
morning set	1248 Feb 01 j 21:00	11° $\text{♋}$ 01'10		max. Earth dist.	1249 Jan 17 j 14:16	29° $\text{♋}$ 32'53	1.40700 AU
max. Earth dist.	1248 Feb 05 j 17:39	17° $\text{♋}$ 44'36	1.38556 AU		1249 Jan 17 j 20:41	0° $\text{♋}$	
	1248 Feb 12 j 10:37	0° $\text{♋}$		superior conj	1249 Jan 25 j 09:37	13° $\text{♋}$ 08'44	-2°01'09
superior conj	1248 Feb 13 j 01:28	1° $\text{♋}$ 10'02	-1°47'22	minimum elong	1249 Jan 25 j 11:52	13° $\text{♋}$ 18'50	2°01'04
minimum elong	1248 Feb 13 j 05:27	1° $\text{♋}$ 28'53	1°46'59		1249 Feb 03 j 12:54	0° $\text{♋}$	
evening rise	1248 Feb 22 j 02:15	18° $\text{♋}$ 40'28		evening rise	1249 Feb 04 j 13:02	1° $\text{♋}$ 53'21	
asc. node	1248 Feb 26 j 05:49	26° $\text{♋}$ 39'58		asc. node	1249 Feb 12 j 02:51	15° $\text{♋}$ 43'30	
	1248 Feb 28 j 01:05	0° $\text{♋}$		evening max el	1249 Feb 20 j 18:51	27° $\text{♋}$ 52'16	18°19'13
evening max el	1248 Mar 09 j 12:39	15° $\text{♋}$ 12'15	18°50'44		1249 Feb 23 j 10:10	0° $\text{♋}$	
retrograde	1248 Mar 17 j 18:37	19° $\text{♋}$ 12'22		retrograde	1249 Feb 27 j 23:29	1° $\text{♋}$ 26'40	
evening set	1248 Mar 20 j 00:52	18° $\text{♋}$ 55'32		evening set	1249 Mar 02 j 11:30	1° $\text{♋}$ 01'49	
inferior conj	1248 Mar 27 j 22:38	14° $\text{♋}$ 36'52	2°09'39		1249 Mar 04 j 18:03	30° $\text{♌}$	
minimum elong	1248 Mar 28 j 02:42	14° $\text{♋}$ 29'29	2°08'29	inferior conj	1249 Mar 09 j 15:06	26° $\text{♌}$ 22'24	3°10'28
min. Earth dist.	1248 Mar 31 j 04:49	12° $\text{♋}$ 16'13	0.57249 AU	minimum elong	1249 Mar 09 j 18:32	26° $\text{♌}$ 15'05	3°09'48
morning rise	1248 Apr 05 j 01:27	9° $\text{♋}$ 28'17		min. Earth dist.	1249 Mar 13 j 01:23	23° $\text{♌}$ 29'22	0.59257 AU
desc. node	1248 Apr 05 j 00:49	9° $\text{♋}$ 28'57		morning rise	1249 Mar 16 j 23:09	20° $\text{♌}$ 47'02	
direct	1248 Apr 10 j 11:18	8° $\text{♋}$ 17'23		desc. node	1249 Mar 22 j 21:52	18° $\text{♌}$ 59'52	
morning max el	1248 Apr 24 j 19:03	15° $\text{♋}$ 46'04	26°03'02	direct	1249 Mar 23 j 06:58	18° $\text{♌}$ 59'29	
	1248 May 06 j 07:17	0° $\text{♌}$		morning max el	1249 Apr 06 j 15:01	26° $\text{♌}$ 43'52	27°11'31
morning set	1248 May 22 j 23:12	0° $\text{♌}$ 10'28			1249 Apr 09 j 17:31	0° $\text{♌}$	
	1248 May 22 j 21:13	0° $\text{♌}$			1249 Apr 29 j 18:11	0° $\text{♌}$	
asc. node	1248 May 24 j 05:08	2° $\text{♌}$ 49'15		morning set	1249 May 07 j 08:21	14° $\text{♌}$ 57'30	
				asc. node	1249 May 11 j 02:09	22° $\text{♌}$ 55'56	
superior conj	1248 May 29 j 22:59	15° $\text{♌}$ 19'57	0°57'24	superior conj	1249 May 14 j 10:45	0° $\text{♌}$ 16'56	0°34'53
minimum elong	1248 May 29 j 20:49	15° $\text{♌}$ 08'02	0°57'01	minimum elong	1249 May 14 j 09:16	0° $\text{♌}$ 08'46	0°34'34
max. Earth dist.	1248 May 30 j 13:27	16° $\text{♌}$ 39'17	1.32441 AU	max. Earth dist.	1249 May 14 j 02:00	29° $\text{♌}$ 28'50	1.32238 AU
evening rise	1248 Jun 05 j 23:00	0° $\text{♌}$ 24'03			1249 May 14 j 07:40	0° $\text{♌}$	
	1248 Jun 05 j 18:23	0° $\text{♌}$		evening rise	1249 May 21 j 07:52	15° $\text{♌}$ 13'11	
	1248 Jun 22 j 05:37	0° $\text{♌}$			1249 May 28 j 17:56	0° $\text{♌}$	
desc. node	1248 Jul 02 j 00:08	13° $\text{♌}$ 19'51		desc. node	1249 Jun 18 j 21:09	0° $\text{♌}$ 16'06	
evening max el	1248 Jul 07 j 01:19	18° $\text{♌}$ 42'51	27°04'29		1249 Jun 18 j 14:29	0° $\text{♌}$	
retrograde	1248 Jul 20 j 23:03	25° $\text{♌}$ 57'49		evening max el	1249 Jun 19 j 00:50	0° $\text{♌}$ 24'56	26°10'39
evening set	1248 Jul 27 j 23:58	23° $\text{♌}$ 44'20		retrograde	1249 Jul 03 j 00:56	7° $\text{♌}$ 36'21	
min. Earth dist.	1248 Jul 31 j 15:35	21° $\text{♌}$ 01'49	0.61267 AU	evening set	1249 Jul 09 j 09:57	5° $\text{♌}$ 56'57	
inferior conj	1248 Aug 03 j 19:26	18° $\text{♌}$ 16'19	-4°23'37	min. Earth dist.	1249 Jul 13 j 13:35	3° $\text{♌}$ 20'06	0.59210 AU
minimum elong	1248 Aug 04 j 00:04	18° $\text{♌}$ 06'09	4°22'48	inferior conj	1249 Jul 16 j 21:10	0° $\text{♌}$ 49'18	-4°50'17
morning rise	1248 Aug 11 j 01:50	13° $\text{♌}$ 23'43		minimum elong	1249 Jul 16 j 23:11	0° $\text{♌}$ 45'27	4°50'09
direct	1248 Aug 13 j 12:21	12° $\text{♌}$ 59'22			1249 Jul 17 j 23:17	30° $\text{♌}$	
asc. node	1248 Aug 20 j 04:21	16° $\text{♌}$ 07'42		morning rise	1249 Jul 24 j 14:33	26° $\text{♌}$ 19'28	
morning max el	1248 Aug 20 j 13:59	16° $\text{♌}$ 30'33	17°59'31	direct	1249 Jul 27 j 02:10	25° $\text{♌}$ 58'17	
	1248 Aug 30 j 01:38	0° $\text{♌}$		morning max el	1249 Aug 03 j 22:46	29° $\text{♌}$ 44'29	18°26'43
morning set	1248 Sep 05 j 10:59	11° $\text{♌}$ 32'15			1249 Aug 04 j 05:11	0° $\text{♌}$	
superior conj	1248 Sep 15 j 16:30	0° $\text{♌}$ 02'56	1°16'52	asc. node	1249 Aug 07 j 01:23	3° $\text{♌}$ 13'48	
minimum elong	1248 Sep 15 j 21:02	0° $\text{♌}$ 22'50	1°16'23	morning set	1249 Aug 20 j 00:59	25° $\text{♌}$ 22'06	
	1248 Sep 15 j 15:50	0° $\text{♌}$			1249 Aug 22 j 10:49	0° $\text{♌}$	
max. Earth dist.	1248 Sep 23 j 05:44	12° $\text{♌}$ 55'55	1.42204 AU	superior conj	1249 Aug 29 j 01:52	12° $\text{♌}$ 32'12	1°36'26
desc. node	1248 Sep 27 j 23:29	20° $\text{♌}$ 39'30		minimum elong	1249 Aug 29 j 04:50	12° $\text{♌}$ 45'51	1°36'13
evening rise	1248 Sep 29 j 09:01	22° $\text{♌}$ 53'14		max. Earth dist.	1249 Sep 05 j 12:22	25° $\text{♌}$ 51'18	1.40272 AU
	1248 Oct 03 j 22:04	0° $\text{♌}$			1249 Sep 07 j 22:30	0° $\text{♌}$	
	1248 Oct 24 j 19:06	0° $\text{♌}$		evening rise	1249 Sep 09 j 21:38	3° $\text{♌}$ 17'35	
evening max el	1248 Nov 01 j 00:44	8° $\text{♌}$ 28'08	22°16'07	desc. node	1249 Sep 14 j 20:30	11° $\text{♌}$ 20'50	
retrograde	1248 Nov 10 j 13:15	14° $\text{♌}$ 07'48					



	1249 Sep 27 j 04:52	0°♍			1250 Sep 21 j 22:47	0°♍	
evening max el	1249 Oct 14 j 15:04	22°♍01'19	23°35'56	evening max el	1250 Sep 27 j 03:04	5°♍37'44	24°54'00
retrograde	1249 Oct 25 j 06:13	28°♍17'54		retrograde	1250 Oct 08 j 19:17	12°♍24'57	
evening set	1249 Oct 30 j 07:47	26°♍11'42		evening set	1250 Oct 14 j 11:07	10°♍02'05	
asc. node	1249 Nov 03 j 00:36	22°♍05'24		min. Earth dist.	1250 Oct 19 j 00:23	4°♍52'54	0.67333 AU
min. Earth dist.	1249 Nov 04 j 05:28	20°♍28'23	0.67710 AU	inferior conj	1250 Oct 19 j 22:33	3°♍39'45	-0°19'55
inferior conj	1249 Nov 04 j 17:03	19°♍48'51	0°34'40	minimum elong	1250 Oct 19 j 23:03	3°♍38'06	0°19'41
minimum elong	1249 Nov 04 j 16:14	19°♍51'38	0°34'20	asc. node	1250 Oct 20 j 21:38	2°♍24'13	
morning rise	1249 Nov 10 j 00:38	13°♍41'36			1250 Oct 22 j 21:14	30°♌	
direct	1249 Nov 14 j 03:13	12°♍06'59		morning rise	1250 Oct 25 j 11:07	27°♌38'55	
morning max el	1249 Nov 22 j 12:17	16°♍59'08	21°01'11	direct	1250 Oct 29 j 01:09	26°♌24'52	
	1249 Dec 02 j 23:16	0°♌			1250 Nov 04 j 20:08	0°♍	
desc. node	1249 Dec 11 j 19:46	12°♌49'36		morning max el	1250 Nov 05 j 12:59	0°♍41'11	19°51'35
morning set	1249 Dec 22 j 15:35	29°♌22'08			1250 Nov 26 j 14:35	0°♌	
	1249 Dec 23 j 01:15	0°♌		desc. node	1250 Nov 28 j 16:47	3°♌12'25	
max. Earth dist.	1249 Dec 30 j 17:50	12°♌17'27	1.42636 AU	morning set	1250 Dec 01 j 11:41	7°♌30'08	
				max. Earth dist.	1250 Dec 13 j 04:38	25°♌50'18	1.44113 AU
superior conj	1250 Jan 06 j 19:00	24°♌01'30	-2°02'46		1250 Dec 15 j 19:05	0°♌	
minimum elong	1250 Jan 06 j 17:07	23°♌53'29	2°02'44				
	1250 Jan 10 j 06:29	0°♌		superior conj	1250 Dec 18 j 01:53	3°♌41'07	-1°47'28
evening rise	1250 Jan 18 j 09:38	14°♌23'24		minimum elong	1250 Dec 17 j 18:50	3°♌12'36	1°46'57
	1250 Jan 27 j 07:18	0°♌		evening rise	1250 Dec 31 j 11:43	26°♌01'52	
asc. node	1250 Jan 29 j 23:52	4°♌14'56			1251 Jan 02 j 19:31	0°♌	
evening max el	1250 Feb 04 j 05:42	10°♌54'19	18°07'32	asc. node	1251 Jan 16 j 20:54	22°♌03'56	
retrograde	1250 Feb 10 j 20:43	14°♌18'54		evening max el	1251 Jan 18 j 18:11	24°♌09'59	18°15'04
evening set	1250 Feb 13 j 13:44	13°♌44'41		retrograde	1251 Jan 25 j 05:30	27°♌38'06	
inferior conj	1250 Feb 20 j 02:43	8°♌44'13	3°40'02	evening set	1251 Jan 28 j 03:23	26°♌53'31	
minimum elong	1250 Feb 20 j 04:10	8°♌40'42	3°39'56	inferior conj	1251 Feb 03 j 05:28	21°♌33'24	3°45'38
min. Earth dist.	1250 Feb 23 j 05:07	5°♌43'26	0.61379 AU	minimum elong	1251 Feb 03 j 04:57	21°♌34'50	3°45'38
morning rise	1250 Feb 26 j 17:03	2°♌51'20		min. Earth dist.	1251 Feb 05 j 18:06	18°♌47'05	0.63352 AU
direct	1250 Mar 05 j 13:23	0°♌29'48		morning rise	1251 Feb 09 j 05:40	15°♌30'16	
desc. node	1250 Mar 09 j 18:54	1°♌19'00		direct	1251 Feb 16 j 04:36	12°♌45'57	
morning max el	1250 Mar 19 j 17:29	8°♌22'43	27°45'48	desc. node	1251 Feb 24 j 15:57	16°♌02'34	
	1250 Apr 05 j 07:10	0°♌		morning max el	1251 Mar 02 j 00:52	20°♌40'34	27°42'43
morning set	1250 Apr 21 j 13:26	29°♌30'19			1251 Mar 10 j 02:24	0°♌	
	1250 Apr 21 j 19:13	0°♌			1251 Mar 29 j 07:57	0°♌	
max. Earth dist.	1250 Apr 27 j 13:07	12°♌11'26	1.32412 AU	morning set	1251 Apr 05 j 12:05	13°♌40'02	
asc. node	1250 Apr 27 j 23:10	13°♌06'04		max. Earth dist.	1251 Apr 10 j 18:36	24°♌31'48	1.32984 AU
superior conj	1250 Apr 28 j 21:27	15°♌07'39	0°09'50	superior conj	1251 Apr 13 j 05:19	29°♌45'08	-0°17'02
minimum elong	1250 Apr 28 j 21:00	15°♌05'11	0°09'43	minimum elong	1251 Apr 13 j 06:08	29°♌49'35	0°16'52
behind sun begin	1250 Apr 28 j 16:57	14°♌43'03			1251 Apr 13 j 08:05	0°♌	
behind sun end	1250 Apr 29 j 01:03	15°♌27'19		asc. node	1251 Apr 14 j 20:11	3°♌14'42	
evening rise	1250 May 05 j 19:08	0°♌06'43		evening rise	1251 Apr 20 j 06:54	14°♌57'01	
	1250 May 05 j 17:52	0°♌			1251 Apr 27 j 20:23	0°♌	
	1250 May 22 j 07:32	0°♌		evening max el	1251 May 13 j 07:23	21°♌54'52	23°15'37
evening max el	1250 May 31 j 17:26	11°♌22'36	24°50'05	desc. node	1251 May 23 j 15:10	28°♌16'37	
desc. node	1250 Jun 05 j 18:08	15°♌27'14		retrograde	1251 May 26 j 19:56	28°♌39'55	
retrograde	1250 Jun 14 j 16:29	18°♌27'34		evening set	1251 May 30 j 12:02	28°♌10'20	
evening set	1250 Jun 19 j 20:27	17°♌26'53		min. Earth dist.	1251 Jun 06 j 17:11	24°♌54'04	0.55733 AU
min. Earth dist.	1250 Jun 25 j 04:45	14°♌37'28	0.57254 AU	inferior conj	1251 Jun 08 j 13:49	23°♌48'27	-4°01'59
inferior conj	1250 Jun 28 j 03:24	12°♌41'14	-4°47'29	minimum elong	1251 Jun 08 j 06:41	23°♌58'59	4°00'28
minimum elong	1250 Jun 28 j 00:37	12°♌45'51	4°47'16	morning rise	1251 Jun 17 j 03:58	19°♌54'11	
morning rise	1250 Jul 06 j 07:30	8°♌33'10		direct	1251 Jun 19 j 22:18	19°♌35'41	
direct	1250 Jul 08 j 21:53	8°♌13'57		morning max el	1251 Jun 30 j 13:26	24°♌30'52	20°24'07
morning max el	1250 Jul 17 j 23:24	12°♌27'35	19°14'53		1251 Jul 05 j 10:09	0°♌	
asc. node	1250 Jul 24 j 22:25	21°♌14'14		asc. node	1251 Jul 11 j 19:27	9°♌56'06	
	1250 Jul 30 j 00:31	0°♌		morning set	1251 Jul 19 j 05:27	24°♌14'51	
morning set	1250 Aug 04 j 00:07	9°♌38'59			1251 Jul 22 j 00:36	0°♌	
superior conj	1250 Aug 12 j 04:56	25°♌54'38	1°45'16	superior conj	1251 Jul 26 j 20:40	9°♌55'24	1°45'21
minimum elong	1250 Aug 12 j 05:53	25°♌59'16	1°45'14	minimum elong	1251 Jul 26 j 19:56	9°♌51'44	1°45'20
	1250 Aug 14 j 07:55	0°♌		max. Earth dist.	1251 Jul 31 j 21:41	19°♌54'48	1.36327 AU
max. Earth dist.	1250 Aug 18 j 15:47	8°♌04'29	1.38230 AU	evening rise	1251 Aug 04 j 21:10	27°♌25'09	
evening rise	1250 Aug 22 j 10:37	14°♌50'19			1251 Aug 06 j 07:05	0°♌	
	1250 Aug 31 j 12:49	0°♌		desc. node	1251 Aug 19 j 14:31	22°♌11'20	
desc. node	1250 Sep 01 j 17:30	1°♌53'09			1251 Aug 24 j 21:28	0°♌	

evening max el	1251 Sep 09 j 14:51	19° <u>♄</u> 16'23	26°02'59	evening max el	1252 Aug 22 j 03:06	2° <u>♄</u> 50'32	26°55'01
retrograde	1251 Sep 22 j 03:43	26° <u>♄</u> 23'49		retrograde	1252 Sep 04 j 06:43	10° <u>♄</u> 07'09	
evening set	1251 Sep 28 j 09:40	23° <u>♄</u> 47'31		evening set	1252 Sep 11 j 01:10	7° <u>♄</u> 23'26	
min. Earth dist.	1251 Oct 02 j 15:20	19° <u>♄</u> 14'08	0.66620 AU	min. Earth dist.	1252 Sep 14 j 23:51	3° <u>♄</u> 26'45	0.65563 AU
inferior conj	1251 Oct 04 j 00:38	17° <u>♄</u> 30'03	-1°16'50	inferior conj	1252 Sep 16 j 21:12	1° <u>♄</u> 15'15	-2°14'21
minimum elong	1251 Oct 04 j 02:38	17° <u>♄</u> 23'48	1°16'00	minimum elong	1252 Sep 17 j 00:43	1° <u>♄</u> 05'03	2°13'01
asc. node	1251 Oct 07 j 18:41	13° <u>♄</u> 14'06			1252 Sep 17 j 23:27	30° <u>♄</u> 17'00	
morning rise	1251 Oct 09 j 19:58	11° <u>♄</u> 38'22		morning rise	1252 Sep 23 j 00:55	25° <u>♄</u> 35'49	
direct	1251 Oct 12 j 23:36	10° <u>♄</u> 41'25		asc. node	1252 Sep 23 j 15:45	25° <u>♄</u> 18'52	
morning max el	1251 Oct 19 j 20:55	14° <u>♄</u> 32'04	18°56'43	direct	1252 Sep 25 j 20:32	24° <u>♄</u> 52'11	
	1251 Oct 31 j 08:28	0° <u>♄</u>		morning max el	1252 Oct 02 j 10:03	28° <u>♄</u> 26'23	18°18'03
morning set	1251 Nov 10 j 21:29	16° <u>♄</u> 26'08			1252 Oct 03 j 20:40	0° <u>♄</u>	
desc. node	1251 Nov 15 j 13:49	23° <u>♄</u> 47'08		morning set	1252 Oct 21 j 11:10	26° <u>♄</u> 46'40	
	1251 Nov 19 j 12:54	0° <u>♄</u>			1252 Oct 23 j 10:40	0° <u>♄</u>	
max. Earth dist.	1251 Nov 25 j 20:53	9° <u>♄</u> 56'32	1.44953 AU	desc. node	1252 Nov 01 j 10:51	14° <u>♄</u> 29'10	
superior conj	1251 Nov 27 j 10:03	12° <u>♄</u> 22'53	-1°13'30	superior conj	1252 Nov 05 j 11:29	20° <u>♄</u> 51'54	-0°26'34
minimum elong	1251 Nov 27 j 01:42	11° <u>♄</u> 50'00	1°12'33	minimum elong	1252 Nov 05 j 08:01	20° <u>♄</u> 38'15	0°26'07
	1251 Dec 08 j 11:42	0° <u>♄</u>		max. Earth dist.	1252 Nov 07 j 15:48	24° <u>♄</u> 17'57	1.45064 AU
evening rise	1251 Dec 12 j 15:29	6° <u>♄</u> 43'31			1252 Nov 11 j 06:58	0° <u>♄</u>	
	1251 Dec 27 j 06:49	0° <u>♄</u>		evening rise	1252 Nov 21 j 19:56	16° <u>♄</u> 28'59	
evening max el	1252 Jan 02 j 05:47	7° <u>♄</u> 34'20	18°40'55		1252 Nov 30 j 11:54	0° <u>♄</u>	
asc. node	1252 Jan 03 j 17:57	8° <u>♄</u> 58'51		greatest brilliancy	1252 Dec 03 j 03:27	4° <u>♄</u> 04'38	-0.7m
retrograde	1252 Jan 08 j 21:43	11° <u>♄</u> 17'08		evening max el	1252 Dec 15 j 14:13	21° <u>♄</u> 02'26	19°23'49
evening set	1252 Jan 12 j 01:11	10° <u>♄</u> 21'09		asc. node	1252 Dec 20 j 15:01	24° <u>♄</u> 44'53	
inferior conj	1252 Jan 17 j 19:31	4° <u>♄</u> 43'10	3°33'42	retrograde	1252 Dec 22 j 18:02	25° <u>♄</u> 09'44	
minimum elong	1252 Jan 17 j 17:38	4° <u>♄</u> 48'52	3°33'27	evening set	1252 Dec 26 j 04:23	24° <u>♄</u> 00'54	
min. Earth dist.	1252 Jan 19 j 16:40	2° <u>♄</u> 26'55	0.65013 AU	inferior conj	1252 Dec 31 j 17:29	18° <u>♄</u> 07'19	3°08'56
	1252 Jan 21 j 21:24	30° <u>♄</u>		minimum elong	1252 Dec 31 j 14:55	18° <u>♄</u> 15'38	3°08'21
morning rise	1252 Jan 23 j 09:38	28° <u>♄</u> 34'20		min. Earth dist.	1253 Jan 01 j 23:48	16° <u>♄</u> 29'16	0.66280 AU
direct	1252 Jan 30 j 03:11	25° <u>♄</u> 42'04		morning rise	1253 Jan 06 j 01:12	11° <u>♄</u> 55'26	
	1252 Feb 08 j 15:06	0° <u>♄</u>		direct	1253 Jan 12 j 07:43	9° <u>♄</u> 08'51	
desc. node	1252 Feb 11 j 13:01	2° <u>♄</u> 35'31		morning max el	1253 Jan 24 j 19:44	16° <u>♄</u> 33'12	26°01'41
morning max el	1252 Feb 12 j 10:24	3° <u>♄</u> 28'07	27°05'31	desc. node	1253 Jan 28 j 10:04	20° <u>♄</u> 26'32	
	1252 Mar 03 j 11:26	0° <u>♄</u>			1253 Feb 05 j 00:14	0° <u>♄</u>	
morning set	1252 Mar 19 j 01:18	27° <u>♄</u> 17'19			1253 Feb 24 j 09:00	0° <u>♄</u>	
	1252 Mar 20 j 10:41	0° <u>♄</u>		morning set	1253 Mar 02 j 01:02	10° <u>♄</u> 10'10	
max. Earth dist.	1252 Mar 23 j 14:35	6° <u>♄</u> 19'23	1.33998 AU	max. Earth dist.	1253 Mar 05 j 23:01	17° <u>♄</u> 35'00	1.35474 AU
superior conj	1252 Mar 27 j 08:21	14° <u>♄</u> 03'21	-0°44'36	superior conj	1253 Mar 11 j 04:07	27° <u>♄</u> 55'11	-1°11'30
minimum elong	1252 Mar 27 j 10:34	14° <u>♄</u> 14'58	0°44'10	minimum elong	1253 Mar 11 j 07:35	28° <u>♄</u> 12'43	1°10'55
asc. node	1252 Mar 31 j 17:14	23° <u>♄</u> 17'55			1253 Mar 12 j 04:39	0° <u>♄</u>	
evening rise	1252 Apr 03 j 17:23	29° <u>♄</u> 38'12		asc. node	1253 Mar 18 j 14:19	13° <u>♄</u> 11'33	
	1252 Apr 03 j 21:33	0° <u>♄</u>		evening rise	1253 Mar 19 j 00:35	14° <u>♄</u> 04'11	
	1252 Apr 21 j 16:11	0° <u>♄</u>			1253 Mar 27 j 07:27	0° <u>♄</u>	
evening max el	1252 Apr 24 j 02:07	2° <u>♄</u> 32'55	21°42'07	evening max el	1253 Apr 06 j 07:05	13° <u>♄</u> 41'10	20°20'56
retrograde	1252 May 06 j 11:54	8° <u>♄</u> 37'21		retrograde	1253 Apr 17 j 01:13	18° <u>♄</u> 53'01	
evening set	1252 May 09 j 00:17	8° <u>♄</u> 23'07		evening set	1253 Apr 19 j 03:00	18° <u>♄</u> 42'15	
desc. node	1252 May 09 j 12:12	8° <u>♄</u> 17'04		desc. node	1253 Apr 26 j 09:14	15° <u>♄</u> 48'03	
inferior conj	1252 May 18 j 10:15	4° <u>♄</u> 20'54	-2°30'22	inferior conj	1253 Apr 28 j 05:26	14° <u>♄</u> 44'18	-0°32'04
minimum elong	1252 May 18 j 03:36	4° <u>♄</u> 30'12	2°28'12	minimum elong	1253 Apr 28 j 03:56	14° <u>♄</u> 46'30	0°31'30
min. Earth dist.	1252 May 18 j 05:30	4° <u>♄</u> 27'33	0.54979 AU	min. Earth dist.	1253 Apr 29 j 18:34	13° <u>♄</u> 49'58	0.55173 AU
morning rise	1252 May 27 j 07:53	0° <u>♄</u> 24'56		morning rise	1253 May 07 j 03:30	10° <u>♄</u> 28'02	
direct	1252 May 30 j 10:10	0° <u>♄</u> 03'51		direct	1253 May 10 j 21:58	9° <u>♄</u> 57'15	
morning max el	1252 Jun 11 j 16:07	5° <u>♄</u> 50'09	21°52'09	morning max el	1253 May 24 j 09:58	16° <u>♄</u> 32'55	23°32'18
asc. node	1252 Jun 27 j 16:30	29° <u>♄</u> 09'19			1253 Jun 04 j 03:52	0° <u>♄</u>	
	1252 Jun 28 j 03:01	0° <u>♄</u>		asc. node	1253 Jun 14 j 13:34	18° <u>♄</u> 45'48	
morning set	1252 Jul 02 j 14:47	9° <u>♄</u> 03'30		morning set	1253 Jun 17 j 02:16	23° <u>♄</u> 59'40	
					1253 Jun 19 j 21:56	0° <u>♄</u>	
superior conj	1252 Jul 09 j 21:12	24° <u>♄</u> 22'57	1°38'27	superior conj	1253 Jun 24 j 03:40	9° <u>♄</u> 08'31	1°25'58
minimum elong	1252 Jul 09 j 19:22	24° <u>♄</u> 13'18	1°38'19	minimum elong	1253 Jun 24 j 01:18	8° <u>♄</u> 55'44	1°25'41
	1252 Jul 12 j 14:10	0° <u>♄</u>		max. Earth dist.	1253 Jun 26 j 11:15	14° <u>♄</u> 05'12	1.33536 AU
max. Earth dist.	1252 Jul 13 j 11:40	1° <u>♄</u> 49'47	1.34741 AU	evening rise	1253 Jul 01 j 16:30	24° <u>♄</u> 51'09	
evening rise	1252 Jul 18 j 00:37	10° <u>♄</u> 49'34			1253 Jul 04 j 07:24	0° <u>♄</u>	
	1252 Jul 28 j 17:26	0° <u>♄</u>			1253 Jul 22 j 05:20	0° <u>♄</u>	
desc. node	1252 Aug 05 j 11:32	12° <u>♄</u> 08'28		desc. node	1253 Jul 23 j 08:33	1° <u>♄</u> 35'42	
	1252 Aug 19 j 08:08	0° <u>♄</u>					


































































































































evening max el	1253 Aug 04 j 14:46	16° $\mathbb{M}$ 09'28	27°22'48		1254 Jul 19 j 02:08	0° $\mathbb{M}$	
retrograde	1253 Aug 18 j 03:48	23° $\mathbb{M}$ 27'40		retrograde	1254 Jul 31 j 18:26	6° $\mathbb{M}$ 15'11	
evening set	1253 Aug 25 j 06:54	20° $\mathbb{M}$ 45'36		evening set	1254 Aug 07 j 23:11	3° $\mathbb{M}$ 46'58	
min. Earth dist.	1253 Aug 28 j 23:39	17° $\mathbb{M}$ 24'05	0.64154 AU	min. Earth dist.	1254 Aug 11 j 13:09	0° $\mathbb{M}$ 54'02	0.62400 AU
inferior conj	1253 Aug 31 j 09:53	14° $\mathbb{M}$ 50'42	-3°09'57		1254 Aug 12 j 12:34	30° $\mathbb{R}$ 02	
minimum elong	1253 Aug 31 j 14:37	14° $\mathbb{M}$ 38'11	3°08'26	inferior conj	1254 Aug 14 j 11:39	28° $\mathbb{Q}$ 08'31	-3°59'50
morning rise	1253 Sep 06 j 23:19	9° $\mathbb{M}$ 27'00		minimum elong	1254 Aug 14 j 16:46	27° $\mathbb{Q}$ 56'28	3°58'37
direct	1253 Sep 09 j 13:26	8° $\mathbb{M}$ 53'07		morning rise	1254 Aug 21 j 11:47	23° $\mathbb{Q}$ 04'01	
asc. node	1253 Sep 10 j 12:48	8° $\mathbb{M}$ 57'59		direct	1254 Aug 23 j 22:53	22° $\mathbb{Q}$ 36'57	
morning max el	1253 Sep 16 j 01:52	12° $\mathbb{M}$ 19'19	17°56'30	asc. node	1254 Aug 28 j 09:50	24° $\mathbb{Q}$ 07'57	
	1253 Sep 28 j 05:15	0° $\mathbb{Q}$		morning max el	1254 Aug 30 j 17:25	26° $\mathbb{Q}$ 03'32	17°53'02
morning set	1253 Oct 03 j 04:30	8° $\mathbb{Q}$ 28'03			1254 Sep 03 j 02:03	0° $\mathbb{M}$	
				morning set	1254 Sep 15 j 19:37	21° $\mathbb{M}$ 11'36	
					1254 Sep 20 j 18:08	0° $\mathbb{Q}$	
superior conj	1253 Oct 16 j 03:40	0° $\mathbb{M}$ 07'56	0°21'13				
minimum elong	1253 Oct 16 j 06:01	0° $\mathbb{M}$ 17'32	0°20'53				
	1253 Oct 16 j 01:42	0° $\mathbb{M}$		superior conj	1254 Sep 26 j 22:13	10° $\mathbb{Q}$ 42'34	1°00'05
desc. node	1253 Oct 19 j 07:53	5° $\mathbb{M}$ 15'26		minimum elong	1254 Sep 27 j 02:54	11° $\mathbb{Q}$ 02'30	0°59'30
max. Earth dist.	1253 Oct 21 j 10:19	8° $\mathbb{M}$ 36'39	1.44443 AU	max. Earth dist.	1254 Oct 04 j 00:59	22° $\mathbb{Q}$ 32'46	1.43166 AU
evening rise	1253 Nov 01 j 07:17	25° $\mathbb{M}$ 36'11		desc. node	1254 Oct 06 j 04:54	26° $\mathbb{Q}$ 02'32	
	1253 Nov 04 j 04:03	0° $\mathbb{X}$			1254 Oct 08 j 16:28	0° $\mathbb{M}$	
	1253 Nov 24 j 19:37	0° $\mathbb{Z}$		evening rise	1254 Oct 11 j 16:17	4° $\mathbb{M}$ 42'07	
evening max el	1253 Nov 28 j 17:43	4° $\mathbb{Z}$ 31'43	20°21'48		1254 Oct 28 j 13:56	0° $\mathbb{X}$	
retrograde	1253 Dec 06 j 15:52	9° $\mathbb{Z}$ 11'34		evening max el	1254 Nov 11 j 15:25	18° $\mathbb{X}$ 01'24	21°31'55
asc. node	1253 Dec 07 j 12:04	9° $\mathbb{Z}$ 07'34		retrograde	1254 Nov 20 j 13:06	23° $\mathbb{X}$ 19'14	
evening set	1253 Dec 10 j 10:47	7° $\mathbb{Z}$ 48'23		asc. node	1254 Nov 24 j 09:06	21° $\mathbb{X}$ 57'50	
inferior conj	1253 Dec 15 j 20:43	1° $\mathbb{Z}$ 41'57	2°34'27	evening set	1254 Nov 24 j 18:27	21° $\mathbb{X}$ 40'11	
minimum elong	1253 Dec 15 j 18:03	1° $\mathbb{Z}$ 50'58	2°33'38	inferior conj	1254 Nov 30 j 02:57	15° $\mathbb{X}$ 24'18	1°52'26
min. Earth dist.	1253 Dec 16 j 13:43	0° $\mathbb{Z}$ 44'23	0.67142 AU	minimum elong	1254 Nov 30 j 00:42	15° $\mathbb{X}$ 32'07	1°51'36
	1253 Dec 17 j 02:57	30° $\mathbb{R}$ 02		min. Earth dist.	1254 Nov 30 j 08:11	15° $\mathbb{X}$ 06'13	0.67627 AU
morning rise	1253 Dec 21 j 01:09	25° $\mathbb{X}$ 28'47		morning rise	1254 Dec 05 j 06:48	9° $\mathbb{X}$ 11'38	
direct	1253 Dec 26 j 17:32	22° $\mathbb{X}$ 57'45		direct	1254 Dec 10 j 08:00	7° $\mathbb{X}$ 01'30	
morning max el	1254 Jan 07 j 04:16	29° $\mathbb{X}$ 47'11	24°40'43	morning max el	1254 Dec 20 j 13:31	13° $\mathbb{X}$ 06'21	23°12'40
	1254 Jan 07 j 09:20	0° $\mathbb{Z}$		desc. node	1255 Jan 02 j 04:09	28° $\mathbb{X}$ 38'57	
desc. node	1254 Jan 15 j 07:07	9° $\mathbb{Z}$ 12'59			1255 Jan 03 j 03:28	0° $\mathbb{Z}$	
	1254 Jan 29 j 21:21	0° $\mathbb{Q}$			1255 Jan 22 j 18:54	0° $\mathbb{Q}$	
morning set	1254 Feb 12 j 05:56	22° $\mathbb{Q}$ 03'32		morning set	1255 Jan 24 j 09:45	2° $\mathbb{Q}$ 41'23	
max. Earth dist.	1254 Feb 15 j 21:46	28° $\mathbb{Q}$ 37'57	1.37356 AU	max. Earth dist.	1255 Jan 28 j 16:50	10° $\mathbb{Q}$ 00'32	1.39471 AU
	1254 Feb 16 j 15:38	0° $\mathbb{X}$					
				superior conj	1255 Feb 05 j 08:11	23° $\mathbb{Q}$ 42'25	-1°54'23
superior conj	1254 Feb 22 j 13:26	11° $\mathbb{X}$ 11'42	-1°35'43	minimum elong	1255 Feb 05 j 11:43	23° $\mathbb{Q}$ 58'43	1°54'09
minimum elong	1254 Feb 22 j 17:34	11° $\mathbb{X}$ 31'46	1°35'12		1255 Feb 08 j 16:50	0° $\mathbb{X}$	
evening rise	1254 Mar 03 j 02:12	28° $\mathbb{X}$ 08'03		evening rise	1255 Feb 14 j 19:24	11° $\mathbb{X}$ 42'18	
	1254 Mar 04 j 00:44	0° $\mathbb{Y}$		asc. node	1255 Feb 20 j 08:25	22° $\mathbb{X}$ 09'15	
asc. node	1254 Mar 05 j 11:22	2° $\mathbb{Y}$ 50'29			1255 Feb 24 j 22:56	0° $\mathbb{Y}$	
evening max el	1254 Mar 19 j 23:28	25° $\mathbb{Y}$ 28'10	19°17'51	evening max el	1255 Mar 03 j 01:30	7° $\mathbb{Y}$ 51'29	18°34'50
retrograde	1254 Mar 29 j 01:17	29° $\mathbb{Y}$ 51'07		retrograde	1255 Mar 10 j 19:29	11° $\mathbb{Y}$ 39'02	
evening set	1254 Mar 31 j 04:25	29° $\mathbb{Y}$ 37'40		evening set	1255 Mar 13 j 04:02	11° $\mathbb{Y}$ 19'11	
inferior conj	1254 Apr 08 j 13:22	25° $\mathbb{Y}$ 28'44	1°18'57	inferior conj	1255 Mar 20 j 17:44	6° $\mathbb{Y}$ 51'53	2°39'39
minimum elong	1254 Apr 08 j 16:25	25° $\mathbb{Y}$ 23'40	1°17'55	minimum elong	1255 Mar 20 j 21:49	6° $\mathbb{Y}$ 43'55	2°38'38
min. Earth dist.	1254 Apr 11 j 09:19	23° $\mathbb{Y}$ 36'27	0.56282 AU	min. Earth dist.	1255 Mar 24 j 03:27	4° $\mathbb{Y}$ 14'27	0.58062 AU
desc. node	1254 Apr 13 j 06:17	22° $\mathbb{Y}$ 27'41		morning rise	1255 Mar 28 j 12:38	1° $\mathbb{Y}$ 30'20	
morning rise	1254 Apr 17 j 01:32	20° $\mathbb{Y}$ 39'17		desc. node	1255 Mar 31 j 03:19	0° $\mathbb{Y}$ 30'44	
direct	1254 Apr 21 j 20:06	19° $\mathbb{Y}$ 47'00		direct	1255 Apr 03 j 08:32	0° $\mathbb{Y}$ 04'18	
morning max el	1254 May 06 j 00:30	27° $\mathbb{Y}$ 00'30	25°12'08	morning max el	1255 Apr 17 j 17:33	7° $\mathbb{Y}$ 41'31	26°35'56
	1254 May 08 j 21:52	0° $\mathbb{Z}$			1255 May 04 j 10:28	0° $\mathbb{Z}$	
	1254 May 28 j 05:04	0° $\mathbb{II}$		morning set	1255 May 17 j 00:44	23° $\mathbb{Z}$ 48'55	
asc. node	1254 Jun 01 j 10:37	8° $\mathbb{II}$ 38'05		asc. node	1255 May 19 j 07:39	28° $\mathbb{Z}$ 41'02	
morning set	1254 Jun 01 j 14:07	8° $\mathbb{II}$ 56'35			1255 May 19 j 22:17	0° $\mathbb{II}$	
superior conj	1254 Jun 08 j 13:39	24° $\mathbb{II}$ 03'23	1°08'57	superior conj	1255 May 24 j 01:16	9° $\mathbb{II}$ 01'23	0°48'13
minimum elong	1254 Jun 08 j 11:16	23° $\mathbb{II}$ 50'23	1°08'33	minimum elong	1255 May 23 j 23:20	8° $\mathbb{II}$ 50'48	0°47'50
max. Earth dist.	1254 Jun 09 j 18:24	26° $\mathbb{II}$ 40'02	1.32726 AU	max. Earth dist.	1255 May 24 j 05:51	9° $\mathbb{II}$ 26'35	1.32305 AU
	1254 Jun 11 j 07:20	0° $\mathbb{Q}$		evening rise	1255 May 30 j 23:36	24° $\mathbb{II}$ 00'39	
evening rise	1254 Jun 15 j 17:05	9° $\mathbb{Q}$ 17'44			1255 Jun 02 j 21:35	0° $\mathbb{Q}$	
	1254 Jun 26 j 15:53	0° $\mathbb{Q}$			1255 Jun 20 j 14:26	0° $\mathbb{Q}$	
desc. node	1254 Jul 10 j 05:34	20° $\mathbb{Q}$ 19'27		desc. node	1255 Jun 27 j 02:35	8° $\mathbb{Q}$ 01'43	
evening max el	1254 Jul 17 j 23:25	28° $\mathbb{Q}$ 58'24	27°20'34	evening max el	1255 Jun 30 j 02:38	11° $\mathbb{Q}$ 06'06	26°45'18

retrograde	1255 Jul 14 j 01:48	18°Ω20'31		evening set	1256 Jun 30 j 21:41	28°Ω15'39	
evening set	1255 Jul 20 j 21:35	16°Ω20'02		min. Earth dist.	1256 Jul 05 j 11:22	25°Ω35'13	0.58338 AU
min. Earth dist.	1255 Jul 24 j 16:24	13°Ω42'17	0.60394 AU	inferior conj	1256 Jul 08 j 16:53	23°Ω16'50	-4°53'35
inferior conj	1255 Jul 27 j 23:09	11°Ω00'14	-4°37'43	minimum elong	1256 Jul 08 j 17:03	23°Ω16'31	4°53'35
minimum elong	1255 Jul 28 j 02:58	10°Ω52'18	4°37'12	morning rise	1256 Jul 16 j 14:51	18°Ω56'30	
morning rise	1255 Aug 04 j 10:18	6°Ω17'33		direct	1256 Jul 19 j 03:18	18°Ω36'23	
direct	1255 Aug 06 j 20:55	5°Ω54'51		morning max el	1256 Jul 27 j 11:17	22°Ω33'12	18°44'38
morning max el	1255 Aug 14 j 05:36	9°Ω31'07	18°08'39	asc. node	1256 Aug 01 j 03:54	28°Ω06'50	
asc. node	1255 Aug 15 j 06:52	10°Ω35'54			1256 Aug 02 j 10:50	0°Ω	
	1255 Aug 27 j 14:30	0°♐		morning set	1256 Aug 12 j 20:56	18°Ω43'13	
morning set	1255 Aug 30 j 02:37	4°♐40'41			1256 Aug 18 j 15:49	0°♐	
superior conj	1255 Sep 08 j 18:49	22°♐33'53	1°26'37	superior conj	1256 Aug 21 j 12:23	5°♐27'41	1°41'23
minimum elong	1255 Sep 08 j 22:48	22°♐51'47	1°26'14	minimum elong	1256 Aug 21 j 14:29	5°♐37'36	1°41'15
	1255 Sep 12 j 23:55	0°♑		max. Earth dist.	1256 Aug 28 j 14:23	18°♐25'44	1.39396 AU
max. Earth dist.	1255 Sep 16 j 09:53	5°♑50'23	1.41406 AU	evening rise	1256 Sep 01 j 14:53	25°♐23'54	
evening rise	1255 Sep 21 j 15:46	14°♑29'46			1256 Sep 04 j 08:47	0°♑	
desc. node	1255 Sep 23 j 01:54	16°♑46'59		desc. node	1256 Sep 08 j 22:55	7°♑25'22	
	1255 Oct 01 j 14:24	0°♒			1256 Sep 24 j 07:16	0°♒	
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evening max el	1255 Oct 25 j 07:56	1°♓32'39	22°49'52	retrograde	1256 Oct 17 j 23:30	21°♒38'49	
retrograde	1255 Nov 04 j 08:04	7°♓29'13		evening set	1256 Oct 23 j 06:57	19°♒25'37	
evening set	1255 Nov 09 j 01:42	5°♓33'13		min. Earth dist.	1256 Oct 28 j 01:02	13°♒56'24	0.67588 AU
asc. node	1255 Nov 11 j 06:07	3°♓21'11		asc. node	1256 Oct 28 j 03:08	13°♒49'21	
	1255 Nov 13 j 20:18	30°♒♒		inferior conj	1256 Oct 28 j 17:00	13°♒02'32	0°11'57
inferior conj	1255 Nov 14 j 10:17	29°♒11'42	1°04'27	minimum elong	1256 Oct 28 j 16:42	13°♒03'31	0°11'49
minimum elong	1255 Nov 14 j 08:51	29°♒16'41	1°03'52	transit middle	1256 Oct 28 j 16:42	13°♒03'31	0°11'49
min. Earth dist.	1255 Nov 14 j 04:46	29°♒30'47	0.67770 AU	transit begin	1256 Oct 28 j 14:50	13°♒09'51	
morning rise	1255 Nov 19 j 15:53	23°♒01'36		transit end	1256 Oct 28 j 18:35	12°♒57'12	
direct	1255 Nov 24 j 02:22	21°♒14'07		morning rise	1256 Nov 03 j 02:27	6°♒57'27	
morning max el	1255 Dec 03 j 02:37	26°♒31'45	21°46'42	direct	1256 Nov 06 j 23:30	5°♒31'45	
	1255 Dec 06 j 06:42	0°♓		morning max el	1256 Nov 14 j 22:40	10°♒07'31	20°29'52
desc. node	1255 Dec 20 j 01:10	18°♓32'46			1256 Nov 30 j 00:56	0°♓	
	1255 Dec 27 j 17:13	0°♔		desc. node	1256 Dec 05 j 22:12	8°♓47'07	
morning set	1256 Jan 04 j 08:14	11°♔54'29		morning set	1256 Dec 13 j 08:03	20°♓08'02	
max. Earth dist.	1256 Jan 10 j 15:28	22°♔10'07	1.41562 AU		1256 Dec 19 j 14:57	0°♔	
	1256 Jan 15 j 06:47	0°♕		max. Earth dist.	1256 Dec 22 j 22:05	5°♔16'31	1.43341 AU
superior conj	1256 Jan 18 j 07:15	5°♕14'15	-2°03'37	superior conj	1256 Dec 29 j 05:40	15°♔36'48	-1°58'35
minimum elong	1256 Jan 18 j 08:02	5°♕17'41	2°03'37	minimum elong	1256 Dec 29 j 01:30	15°♔19'28	1°58'23
evening rise	1256 Jan 29 j 00:37	24°♕37'42			1257 Jan 06 j 16:44	0°♕	
	1256 Jan 31 j 22:46	0°♖		evening rise	1257 Jan 10 j 13:52	6°♕46'43	
asc. node	1256 Feb 07 j 05:26	11°♖00'15		asc. node	1257 Jan 24 j 02:28	29°♕15'04	
evening max el	1256 Feb 14 j 10:05	20°♖41'59	18°11'54		1257 Jan 24 j 15:38	0°♖	
retrograde	1256 Feb 21 j 07:39	24°♖10'19		evening max el	1257 Jan 27 j 22:03	3°♖51'13	18°08'26
evening set	1256 Feb 23 j 21:48	23°♖41'42		retrograde	1257 Feb 03 j 10:11	7°♖15'20	
inferior conj	1256 Feb 01 j 18:46	18°♖53'35	3°26'21	evening set	1257 Feb 06 j 05:22	6°♖36'42	
minimum elong	1256 Mar 01 j 21:26	18°♖47'35	3°25'59	inferior conj	1257 Feb 12 j 13:19	1°♖27'48	3°44'52
min. Earth dist.	1256 Mar 05 j 02:59	15°♖53'52	0.60166 AU	minimum elong	1257 Feb 12 j 13:52	1°♖26'21	3°44'52
morning rise	1256 Mar 08 j 18:56	13°♖09'36			1257 Feb 13 j 23:11	30°♖♒	
direct	1256 Mar 15 j 09:28	11°♖06'15		min. Earth dist.	1257 Feb 15 j 10:20	28°♖30'50	0.62261 AU
desc. node	1256 Mar 17 j 00:21	11°♖13'24		morning rise	1257 Feb 18 j 21:11	25°♖30'07	
morning max el	1256 Mar 29 j 16:15	18°♖55'45	27°30'30	direct	1257 Feb 25 j 19:59	22°♖57'04	
	1256 Apr 08 j 00:49	0°♗		desc. node	1257 Mar 03 j 21:23	24°♖38'10	
	1256 Apr 26 j 02:57	0°♘			1257 Mar 10 j 23:52	0°♗	
morning set	1256 Apr 30 j 08:23	8°♘30'25		morning max el	1257 Mar 11 j 20:51	0°♗51'02	27°48'50
asc. node	1256 May 05 j 04:42	18°♘49'42			1257 Apr 02 j 03:30	0°♗	
max. Earth dist.	1256 May 06 j 18:02	22°♘13'31	1.32261 AU	morning set	1257 Apr 14 j 11:01	22°♗54'06	
					1257 Apr 17 j 21:12	0°♘	
superior conj	1256 May 07 j 12:47	23°♘56'20	0°24'31	max. Earth dist.	1257 Apr 20 j 03:09	4°♘47'44	1.32607 AU
minimum elong	1256 May 07 j 11:42	23°♘50'23	0°24'17				
	1256 May 10 j 07:03	0°♙		superior conj	1257 Apr 21 j 22:31	8°♘42'12	-0°01'26
evening rise	1256 May 14 j 09:42	8°♙52'11		minimum elong	1257 Apr 21 j 22:35	8°♘42'35	0°01'25
	1256 May 25 j 08:22	0°♚		behind sun begin	1257 Apr 21 j 17:26	8°♘14'41	
evening max el	1256 Jun 10 j 23:05	22°♚28'22	25°39'06	behind sun end	1257 Apr 22 j 03:43	9°♘10'31	
desc. node	1256 Jun 12 j 23:35	24°♚17'25		asc. node	1257 Apr 22 j 01:45	8°♘59'48	
retrograde	1256 Jun 24 j 23:55	29°♚38'13		evening rise	1257 Apr 28 j 21:26	23°♘45'16	

	1257 May 01 j 21:35	0°♂		evening rise	1258 Apr 13 j 08:57	8°♂33'32	
	1257 May 20 j 12:43	0°♂			1258 Apr 24 j 16:14	0°♂	
evening max el	1257 May 23 j 14:01	3°♂12'39	24°10'45	evening max el	1258 May 05 j 05:06	13°♂43'56	22°34'50
desc. node	1257 May 30 j 20:37	8°♂32'56		desc. node	1258 May 17 j 17:39	20°♂13'14	
retrograde	1257 Jun 06 j 10:03	10°♂10'35		retrograde	1258 May 18 j 07:55	20°♂14'02	
evening set	1257 Jun 10 j 22:50	9°♂24'59		evening set	1258 May 21 j 10:44	19°♂52'40	
min. Earth dist.	1257 Jun 17 j 01:00	6°♂25'40	0.56531 AU	min. Earth dist.	1258 May 29 j 12:50	16°♂21'40	0.55307 AU
inferior conj	1257 Jun 19 j 14:29	4°♂49'51	-4°34'02	inferior conj	1258 May 30 j 17:50	15°♂40'24	-3°28'13
minimum elong	1257 Jun 19 j 09:32	4°♂57'38	4°33'22	minimum elong	1258 May 30 j 10:09	15°♂51'21	3°26'09
morning rise	1257 Jun 27 j 22:55	0°♂48'44		morning rise	1258 Jun 08 j 11:45	11°♂48'06	
direct	1257 Jun 30 j 14:57	0°♂29'54		direct	1258 Jun 11 j 08:57	11°♂29'01	
morning max el	1257 Jul 10 j 07:31	4°♂59'44	19°41'50	morning max el	1258 Jun 22 j 16:40	16°♂44'35	20°59'35
asc. node	1257 Jul 19 j 00:57	16°♂26'21			1258 Jul 02 j 20:14	0°♂	
	1257 Jul 26 j 09:11	0°♂		asc. node	1258 Jul 05 j 22:02	5°♂23'06	
morning set	1257 Jul 27 j 23:03	3°♂09'15		morning set	1258 Jul 12 j 06:22	17°♂51'48	
					1258 Jul 18 j 02:18	0°♂	
superior conj	1257 Aug 04 j 21:21	19°♂07'44	1°46'15	superior conj	1258 Jul 19 j 17:17	3°♂21'30	1°43'11
minimum elong	1257 Aug 04 j 21:32	19°♂08'38	1°46'15	minimum elong	1258 Jul 19 j 16:01	3°♂14'58	1°43'08
	1257 Aug 10 j 12:35	0°♂		max. Earth dist.	1258 Jul 24 j 03:37	12°♂18'18	1.35608 AU
max. Earth dist.	1257 Aug 10 j 18:29	0°♂27'40	1.37391 AU	evening rise	1258 Jul 28 j 07:55	20°♂21'51	
evening rise	1257 Aug 14 j 13:36	7°♂24'26			1258 Aug 02 j 15:12	0°♂	
desc. node	1257 Aug 26 j 19:57	27°♂52'35		desc. node	1258 Aug 13 j 16:58	18°♂02'51	
	1257 Aug 28 j 05:01	0°♂			1258 Aug 22 j 03:53	0°♂	
evening max el	1257 Sep 19 j 09:04	28°♂46'37	25°24'59	evening max el	1258 Sep 01 j 21:00	12°♂23'57	26°27'33
	1257 Sep 20 j 16:01	0°♂		retrograde	1258 Sep 14 j 16:32	19°♂36'10	
retrograde	1257 Oct 01 j 10:30	5°♂42'59		evening set	1258 Sep 21 j 04:18	16°♂55'32	
evening set	1257 Oct 07 j 08:28	3°♂14'02		min. Earth dist.	1258 Sep 25 j 06:51	12°♂38'05	0.66218 AU
	1257 Oct 10 j 10:32	30°♂♂		inferior conj	1258 Sep 26 j 21:15	10°♂41'41	-1°41'17
min. Earth dist.	1257 Oct 11 j 18:31	28°♂19'56	0.67074 AU	minimum elong	1258 Sep 26 j 23:54	10°♂33'38	1°40'13
inferior conj	1257 Oct 12 j 21:17	26°♂53'31	-0°43'49	asc. node	1258 Oct 01 j 21:14	5°♂31'44	
minimum elong	1257 Oct 12 j 22:24	26°♂49'54	0°43'20	morning rise	1258 Oct 02 j 19:59	4°♂55'06	
asc. node	1257 Oct 15 j 00:10	24°♂14'32		direct	1258 Oct 05 j 19:57	4°♂04'17	
morning rise	1257 Oct 18 j 12:30	20°♂56'14		morning max el	1258 Oct 12 j 13:03	7°♂46'31	18°38'17
direct	1257 Oct 21 j 21:57	19°♂49'43			1258 Oct 28 j 03:42	0°♂	
morning max el	1257 Oct 29 j 02:34	23°♂53'29	19°26'22	morning set	1258 Nov 02 j 04:07	7°♂59'25	
	1257 Nov 03 j 05:46	0°♂		desc. node	1258 Nov 09 j 16:16	19°♂53'56	
greatest brilliancy	1257 Nov 11 j 20:22	12°♂25'26	-0.7m		1258 Nov 16 j 02:13	0°♂	
morning set	1257 Nov 22 j 07:15	28°♂29'11		superior conj	1258 Nov 18 j 04:20	3°♂16'51	-0°54'30
desc. node	1257 Nov 22 j 19:14	29°♂15'42		minimum elong	1258 Nov 17 j 21:30	2°♂49'58	0°53'39
	1257 Nov 23 j 06:40	0°♂		max. Earth dist.	1258 Nov 18 j 06:07	3°♂23'48	1.45088 AU
max. Earth dist.	1257 Dec 05 j 12:02	19°♂07'47	1.44562 AU	evening rise	1258 Dec 04 j 00:33	28°♂19'06	
					1258 Dec 05 j 01:50	0°♂	
superior conj	1257 Dec 09 j 01:48	24°♂48'37	-1°35'13	greatest brilliancy	1258 Dec 12 j 04:49	11°♂21'19	-0.8m
minimum elong	1257 Dec 08 j 17:25	24°♂15'08	1°34'27		1258 Dec 25 j 06:36	0°♂	
	1257 Dec 12 j 07:23	0°♂		evening max el	1258 Dec 25 j 20:57	0°♂37'55	18°57'08
evening rise	1257 Dec 23 j 06:52	18°♂02'00		asc. node	1258 Dec 28 j 20:32	3°♂10'42	
	1257 Dec 30 j 11:09	0°♂		retrograde	1259 Jan 01 j 17:11	4°♂30'23	
asc. node	1258 Jan 10 j 23:29	16°♂43'05		evening set	1259 Jan 04 j 23:21	3°♂29'06	
evening max el	1258 Jan 11 j 10:31	17°♂11'48	18°23'50		1259 Jan 08 j 18:17	30°♂♂	
retrograde	1258 Jan 17 j 22:43	20°♂44'43		inferior conj	1259 Jan 10 j 15:08	27°♂43'54	3°24'35
evening set	1258 Jan 20 j 22:56	19°♂55'15		minimum elong	1259 Jan 10 j 12:53	27°♂50'57	3°24'11
inferior conj	1258 Jan 26 j 21:20	14°♂27'02	3°42'24	min. Earth dist.	1259 Jan 12 j 05:45	25°♂43'27	0.65594 AU
minimum elong	1258 Jan 26 j 20:10	14°♂30'25	3°42'18	morning rise	1259 Jan 16 j 02:06	21°♂33'20	
min. Earth dist.	1258 Jan 29 j 03:18	11°♂52'26	0.64108 AU	direct	1259 Jan 22 j 15:18	18°♂42'17	
morning rise	1258 Feb 01 j 16:48	8°♂21'14		morning max el	1259 Feb 04 j 15:28	26°♂21'11	26°41'14
direct	1258 Feb 08 j 14:16	5°♂32'03		desc. node	1259 Feb 05 j 15:30	27°♂22'51	
desc. node	1258 Feb 18 j 18:27	10°♂13'09			1259 Feb 08 j 00:55	0°♂	
morning max el	1258 Feb 22 j 05:32	13°♂23'32	27°30'45		1259 Mar 01 j 04:44	0°♂	
	1258 Mar 07 j 14:59	0°♂		morning set	1259 Mar 12 j 14:13	20°♂12'36	
	1258 Mar 25 j 16:40	0°♂		max. Earth dist.	1259 Mar 16 j 20:50	28°♂32'02	1.34572 AU
morning set	1258 Mar 29 j 06:08	6°♂52'01			1259 Mar 17 j 14:26	0°♂	
max. Earth dist.	1258 Apr 03 j 05:21	16°♂57'09	1.33366 AU	superior conj	1259 Mar 21 j 04:55	7°♂21'10	-0°56'12
				minimum elong	1259 Mar 21 j 07:42	7°♂35'33	0°55'40
superior conj	1258 Apr 06 j 04:39	23°♂13'03	-0°28'43	asc. node	1259 Mar 26 j 19:51	19°♂07'06	
minimum elong	1258 Apr 06 j 06:04	23°♂20'35	0°28'24				
asc. node	1258 Apr 08 j 22:48	29°♂07'12					
	1258 Apr 09 j 08:38	0°♂					

evening rise	1259 Mar 28 j 18:18	23° $\Upsilon$ 09'26		superior conj	1260 Mar 03 j 20:39	20° $\Upsilon$ 59'21	-1°22'14
	1259 Apr 01 j 03:01	0° $\mathcal{B}$		minimum elong	1260 Mar 04 j 00:30	21° $\Upsilon$ 18'31	1°21'40
evening max el	1259 Apr 17 j 03:35	24° $\mathcal{B}$ 32'23	21°05'32		1260 Mar 08 j 07:42	0° $\Upsilon$	
	1259 Apr 26 j 08:53	0° $\Pi$		evening rise	1260 Mar 11 j 23:25	7° $\Upsilon$ 26'57	
retrograde	1259 Apr 28 j 21:46	0° $\Pi$ 15'43		asc. node	1260 Mar 12 j 16:53	8° $\Upsilon$ 55'13	
evening set	1259 May 01 j 03:25	0° $\Pi$ 04'02			1260 Mar 24 j 13:29	0° $\mathcal{B}$	
	1259 May 01 j 12:10	30° $\mathcal{R}\mathcal{B}$		evening max el	1260 Mar 29 j 13:32	5° $\mathcal{B}$ 57'24	19°51'42
desc. node	1259 May 04 j 14:42	29° $\mathcal{B}$ 03'56		retrograde	1260 Apr 08 j 14:07	10° $\mathcal{B}$ 47'05	
inferior conj	1259 May 10 j 11:54	26° $\mathcal{B}$ 05'21	-1°41'29	evening set	1260 Apr 10 j 15:19	10° $\mathcal{B}$ 35'52	
minimum elong	1259 May 10 j 07:09	26° $\mathcal{B}$ 12'04	1°39'48	inferior conj	1260 Apr 19 j 11:06	6° $\mathcal{B}$ 35'00	0°17'44
min. Earth dist.	1259 May 11 j 01:23	25° $\mathcal{B}$ 46'18	0.54942 AU	minimum elong	1260 Apr 19 j 11:53	6° $\mathcal{B}$ 33'48	0°17'26
morning rise	1259 May 19 j 10:55	22° $\mathcal{B}$ 02'59		desc. node	1260 Apr 20 j 11:44	5° $\mathcal{B}$ 57'04	
direct	1259 May 22 j 18:35	21° $\mathcal{B}$ 39'10		min. Earth dist.	1260 Apr 21 j 15:26	5° $\mathcal{B}$ 14'52	0.55547 AU
morning max el	1259 Jun 04 j 15:16	27° $\mathcal{B}$ 47'22	22°33'55	morning rise	1260 Apr 28 j 06:07	2° $\mathcal{B}$ 04'54	
	1259 Jun 06 j 20:01	0° $\Pi$		direct	1260 May 02 j 10:06	1° $\mathcal{B}$ 26'30	
asc. node	1259 Jun 22 j 19:06	24° $\Pi$ 47'08		morning max el	1260 May 16 j 06:59	8° $\mathcal{B}$ 20'49	24°15'34
	1259 Jun 25 j 09:09	0° $\mathcal{E}$			1260 Jun 01 j 02:58	0° $\Pi$	
morning set	1259 Jun 26 j 16:49	2° $\mathcal{E}$ 44'21		asc. node	1260 Jun 08 j 16:09	14° $\Pi$ 31'00	
				morning set	1260 Jun 10 j 04:36	17° $\Pi$ 41'17	
superior conj	1259 Jul 03 j 20:41	17° $\mathcal{E}$ 57'58	1°33'46		1260 Jun 15 j 21:49	0° $\mathcal{E}$	
minimum elong	1259 Jul 03 j 18:32	17° $\mathcal{E}$ 46'39	1°33'35	superior conj	1260 Jun 17 j 04:53	2° $\mathcal{E}$ 48'30	1°19'16
max. Earth dist.	1259 Jul 06 j 21:29	24° $\mathcal{E}$ 19'55	1.34176 AU	minimum elong	1260 Jun 17 j 02:26	2° $\mathcal{E}$ 35'17	1°18'54
	1259 Jul 09 j 16:05	0° $\Omega$		max. Earth dist.	1260 Jun 19 j 00:21	6° $\mathcal{E}$ 42'58	1.33145 AU
evening rise	1259 Jul 11 j 17:08	4° $\Omega$ 03'23		evening rise	1260 Jun 24 j 13:06	18° $\mathcal{E}$ 17'00	
	1259 Jul 26 j 09:42	0° $\mathcal{M}$			1260 Jun 30 j 14:05	0° $\Omega$	
desc. node	1259 Jul 31 j 13:59	7° $\mathcal{M}$ 48'43		desc. node	1260 Jul 17 j 11:01	26° $\Omega$ 59'25	
evening max el	1259 Aug 15 j 08:56	25° $\mathcal{M}$ 52'18	27°10'09		1260 Jul 19 j 18:18	0° $\mathcal{M}$	
	1259 Aug 20 j 07:49	0° $\mathcal{L}$		evening max el	1260 Jul 27 j 19:36	9° $\mathcal{M}$ 00'07	27°25'50
retrograde	1259 Aug 28 j 17:16	3° $\mathcal{L}$ 11'09		retrograde	1260 Aug 10 j 11:55	16° $\mathcal{M}$ 18'31	
evening set	1259 Sep 04 j 16:03	0° $\mathcal{L}$ 26'28		evening set	1260 Aug 17 j 16:33	13° $\mathcal{M}$ 40'50	
	1259 Sep 05 j 04:57	30° $\mathcal{R}\mathcal{M}$		min. Earth dist.	1260 Aug 21 j 07:33	10° $\mathcal{M}$ 32'25	0.63438 AU
min. Earth dist.	1259 Sep 08 j 11:51	26° $\mathcal{M}$ 45'22	0.65002 AU	inferior conj	1260 Aug 23 j 23:10	7° $\mathcal{M}$ 52'17	-3°32'13
inferior conj	1259 Sep 10 j 14:46	24° $\mathcal{M}$ 23'20	-2°38'25	minimum elong	1260 Aug 24 j 04:13	7° $\mathcal{M}$ 39'33	3°30'45
minimum elong	1259 Sep 10 j 18:52	24° $\mathcal{M}$ 11'53	2°36'56	morning rise	1260 Aug 30 j 17:04	2° $\mathcal{M}$ 36'15	
morning rise	1259 Sep 16 j 22:30	18° $\mathcal{M}$ 50'27		direct	1260 Sep 02 j 05:28	2° $\mathcal{M}$ 05'44	
asc. node	1259 Sep 18 j 18:18	18° $\mathcal{M}$ 15'40		asc. node	1260 Sep 04 j 15:21	2° $\mathcal{M}$ 34'19	
direct	1259 Sep 19 j 15:22	18° $\mathcal{M}$ 11'32		morning max el	1260 Sep 08 j 19:46	5° $\mathcal{M}$ 31'28	17°52'43
morning max el	1259 Sep 26 j 03:44	21° $\mathcal{M}$ 41'29	18°06'47		1260 Sep 24 j 18:19	0° $\mathcal{L}$	
	1259 Oct 02 j 14:13	0° $\mathcal{L}$		morning set	1260 Sep 25 j 09:25	1° $\mathcal{L}$ 05'53	
morning set	1259 Oct 14 j 06:03	18° $\mathcal{L}$ 55'57					
	1259 Oct 20 j 23:07	0° $\mathcal{M}$		superior conj	1260 Oct 07 j 12:31	21° $\mathcal{L}$ 47'46	0°39'08
desc. node	1259 Oct 27 j 13:17	10° $\mathcal{M}$ 38'24		minimum elong	1260 Oct 07 j 16:21	22° $\mathcal{L}$ 03'36	0°38'37
					1260 Oct 12 j 13:04	0° $\mathcal{M}$	
superior conj	1259 Oct 28 j 09:47	12° $\mathcal{M}$ 00'08	-0°05'43	desc. node	1260 Oct 13 j 10:17	1° $\mathcal{M}$ 25'23	
minimum elong	1259 Oct 28 j 09:04	11° $\mathcal{M}$ 57'18	0°05'37	max. Earth dist.	1260 Oct 13 j 17:30	1° $\mathcal{M}$ 54'17	1.43966 AU
behind sun begin	1259 Oct 27 j 22:53	11° $\mathcal{M}$ 16'41		evening rise	1260 Oct 23 j 04:25	16° $\mathcal{M}$ 45'27	
behind sun end	1259 Oct 28 j 19:15	12° $\mathcal{M}$ 37'52			1260 Oct 31 j 21:25	0° $\mathcal{J}$	
max. Earth dist.	1259 Nov 01 j 00:49	17° $\mathcal{M}$ 44'59	1.44875 AU	evening max el	1260 Nov 21 j 04:27	27° $\mathcal{J}$ 36'09	20°50'29
	1259 Nov 08 j 20:36	0° $\mathcal{J}$			1260 Nov 23 j 18:51	0° $\mathcal{B}$	
evening rise	1259 Nov 13 j 20:23	7° $\mathcal{J}$ 44'48		retrograde	1260 Nov 29 j 12:10	2° $\mathcal{B}$ 31'40	
greatest brilliancy	1259 Nov 27 j 01:22	27° $\mathcal{J}$ 58'41	-0.7m	asc. node	1260 Dec 01 j 14:37	2° $\mathcal{B}$ 06'50	
	1259 Nov 28 j 10:01	0° $\mathcal{B}$		evening set	1260 Dec 03 j 11:14	1° $\mathcal{B}$ 02'05	
evening max el	1259 Dec 09 j 03:23	14° $\mathcal{B}$ 06'44	19°46'49		1260 Dec 04 j 15:52	30° $\mathcal{R}\mathcal{J}$	
asc. node	1259 Dec 15 j 17:35	18° $\mathcal{B}$ 23'16		inferior conj	1260 Dec 08 j 20:24	24° $\mathcal{J}$ 51'29	2°17'26
retrograde	1259 Dec 16 j 14:30	18° $\mathcal{B}$ 27'31		minimum elong	1260 Dec 08 j 17:51	25° $\mathcal{J}$ 00'12	2°16'36
evening set	1259 Dec 20 j 04:09	17° $\mathcal{B}$ 12'58		min. Earth dist.	1260 Dec 09 j 08:19	24° $\mathcal{J}$ 10'38	0.67391 AU
inferior conj	1259 Dec 25 j 15:40	11° $\mathcal{B}$ 13'32	2°55'22	morning rise	1260 Dec 14 j 00:15	18° $\mathcal{J}$ 38'14	
minimum elong	1259 Dec 25 j 12:59	11° $\mathcal{B}$ 22'23	2°54'41	direct	1260 Dec 19 j 10:19	16° $\mathcal{J}$ 15'20	
min. Earth dist.	1259 Dec 26 j 16:10	9° $\mathcal{B}$ 52'25	0.66686 AU	morning max el	1260 Dec 30 j 08:44	22° $\mathcal{J}$ 46'39	24°03'30
morning rise	1259 Dec 30 j 21:36	5° $\mathcal{B}$ 00'38			1261 Jan 05 j 17:06	0° $\mathcal{B}$	
direct	1260 Jan 05 j 22:19	2° $\mathcal{B}$ 19'33		desc. node	1261 Jan 09 j 09:32	4° $\mathcal{B}$ 44'43	
morning max el	1260 Jan 18 j 00:30	9° $\mathcal{B}$ 31'34	25°28'47		1261 Jan 26 j 13:46	0° $\approx$	
desc. node	1260 Jan 23 j 12:32	15° $\mathcal{B}$ 40'06		morning set	1261 Feb 04 j 01:38	14° $\approx$ 05'40	
	1260 Feb 03 j 05:09	0° $\approx$		max. Earth dist.	1261 Feb 07 j 20:04	20° $\approx$ 42'37	1.38238 AU
	1260 Feb 21 j 18:32	0° $\mathcal{H}$			1261 Feb 12 j 21:56	0° $\mathcal{H}$	
morning set	1260 Feb 23 j 06:43	2° $\mathcal{H}$ 42'50					
max. Earth dist.	1260 Feb 27 j 00:23	9° $\mathcal{H}$ 37'57	1.36229 AU				

superior conj	1261 Feb 15 j 00:19	3° $\text{H}$ 57'55	-1°44'31	evening rise	1262 Feb 07 j 10:18	4° $\text{H}$ 37'27	
minimum elong	1261 Feb 15 j 04:24	4° $\text{H}$ 17'20	1°44'07	asc. node	1262 Feb 14 j 10:58	17° $\text{H}$ 34'10	
evening rise	1261 Feb 23 j 21:46	21° $\text{H}$ 18'51			1262 Feb 23 j 00:54	0° $\text{Y}$	
asc. node	1261 Feb 27 j 13:56	28° $\text{H}$ 26'22		evening max el	1262 Feb 23 j 15:39	0° $\text{Y}$ 37'15	18°22'41
	1261 Feb 28 j 09:45	0° $\text{Y}$		retrograde	1262 Mar 02 j 23:24	4° $\text{Y}$ 14'41	
evening max el	1261 Mar 12 j 10:28	18° $\text{Y}$ 01'24	18°57'09	evening set	1262 Mar 05 j 10:31	3° $\text{Y}$ 51'11	
retrograde	1261 Mar 20 j 21:08	22° $\text{Y}$ 06'50			1262 Mar 11 j 18:37	30° $\text{R}$ $\text{H}$	
evening set	1261 Mar 23 j 02:35	21° $\text{Y}$ 50'56		inferior conj	1262 Mar 12 j 16:37	29° $\text{H}$ 14'49	3°03'23
inferior conj	1261 Mar 31 j 03:14	17° $\text{Y}$ 34'59	1°57'24	minimum elong	1262 Mar 12 j 20:17	29° $\text{H}$ 07'12	3°02'38
minimum elong	1261 Mar 31 j 07:09	17° $\text{Y}$ 28'02	1°56'13	min. Earth dist.	1262 Mar 16 j 03:06	26° $\text{H}$ 25'10	0.58934 AU
min. Earth dist.	1261 Apr 03 j 07:20	15° $\text{Y}$ 21'13	0.56979 AU	morning rise	1262 Mar 20 j 03:28	23° $\text{H}$ 42'46	
desc. node	1261 Apr 07 j 08:45	12° $\text{Y}$ 57'50		desc. node	1262 Mar 25 j 05:46	22° $\text{H}$ 04'10	
morning rise	1261 Apr 08 j 08:40	12° $\text{Y}$ 31'19		direct	1262 Mar 26 j 08:25	22° $\text{H}$ 00'55	
direct	1261 Apr 13 j 14:43	11° $\text{Y}$ 25'36		morning max el	1262 Apr 09 j 16:54	29° $\text{H}$ 43'37	27°03'26
morning max el	1261 Apr 27 j 21:44	18° $\text{Y}$ 50'33	25°50'31		1262 Apr 09 j 23:34	0° $\text{Y}$	
	1261 May 07 j 06:33	0° $\text{S}$			1262 May 01 j 03:11	0° $\text{S}$	
	1261 May 24 j 10:00	0° $\text{II}$		morning set	1262 May 10 j 01:45	17° $\text{S}$ 26'28	
morning set	1261 May 25 j 16:09	2° $\text{II}$ 37'34		asc. node	1262 May 13 j 10:13	24° $\text{S}$ 35'04	
asc. node	1261 May 26 j 13:11	4° $\text{II}$ 28'55			1262 May 15 j 21:46	0° $\text{II}$	
superior conj	1261 Jun 01 j 15:48	17° $\text{II}$ 46'12	1°00'35	superior conj	1262 May 17 j 03:34	2° $\text{II}$ 43'49	0°38'31
minimum elong	1261 Jun 01 j 13:33	17° $\text{II}$ 33'54	1°00'10	minimum elong	1262 May 17 j 01:57	2° $\text{II}$ 34'56	0°38'10
max. Earth dist.	1261 Jun 02 j 09:54	19° $\text{II}$ 25'22	1.32506 AU	max. Earth dist.	1262 May 16 j 22:21	2° $\text{II}$ 15'09	1.32244 AU
	1261 Jun 07 j 07:35	0° $\text{S}$		evening rise	1262 May 24 j 00:53	17° $\text{II}$ 40'36	
evening rise	1261 Jun 08 j 16:35	2° $\text{S}$ 52'40			1262 May 30 j 03:53	0° $\text{S}$	
	1261 Jun 23 j 10:02	0° $\text{Q}$			1262 Jun 18 j 20:22	0° $\text{Q}$	
desc. node	1261 Jul 04 j 08:03	15° $\text{Q}$ 20'24		desc. node	1262 Jun 21 j 05:04	2° $\text{Q}$ 29'51	
evening max el	1261 Jul 10 j 02:34	21° $\text{Q}$ 34'36	27°09'41	evening max el	1262 Jun 22 j 03:02	3° $\text{Q}$ 23'26	26°20'30
retrograde	1261 Jul 23 j 23:32	28° $\text{Q}$ 49'40		retrograde	1262 Jul 06 j 02:50	10° $\text{Q}$ 35'37	
evening set	1261 Jul 31 j 01:51	26° $\text{Q}$ 32'01		evening set	1262 Jul 12 j 15:11	8° $\text{Q}$ 50'23	
min. Earth dist.	1261 Aug 03 j 16:48	23° $\text{Q}$ 47'15	0.61571 AU	min. Earth dist.	1262 Jul 16 j 15:59	6° $\text{Q}$ 13'58	0.59522 AU
inferior conj	1261 Aug 06 j 19:23	21° $\text{Q}$ 01'19	-4°17'53	inferior conj	1262 Jul 19 j 23:45	3° $\text{Q}$ 39'36	-4°47'49
minimum elong	1261 Aug 07 j 00:13	20° $\text{Q}$ 50'32	4°16'57	minimum elong	1262 Jul 20 j 02:19	3° $\text{Q}$ 34'34	4°47'37
morning rise	1261 Aug 14 j 00:09	16° $\text{Q}$ 05'27			1262 Jul 25 j 09:45	30° $\text{R}$ $\text{S}$	
direct	1261 Aug 16 j 10:47	15° $\text{Q}$ 40'26		morning rise	1262 Jul 27 j 15:33	29° $\text{S}$ 06'29	
asc. node	1261 Aug 22 j 12:23	18° $\text{Q}$ 19'49		direct	1262 Jul 30 j 02:53	28° $\text{S}$ 44'56	
morning max el	1261 Aug 23 j 10:15	19° $\text{Q}$ 10'03	17°57'11		1262 Aug 03 j 14:17	0° $\text{Q}$	
	1261 Aug 31 j 08:15	0° $\text{M}$		morning max el	1262 Aug 06 j 20:02	2° $\text{Q}$ 28'02	18°21'23
morning set	1261 Sep 08 j 08:02	14° $\text{M}$ 11'36		asc. node	1262 Aug 09 j 09:25	5° $\text{Q}$ 16'29	
	1261 Sep 17 j 02:19	0° $\text{Q}$		morning set	1262 Aug 22 j 20:22	27° $\text{Q}$ 56'37	
					1262 Aug 23 j 22:12	0° $\text{M}$	
superior conj	1261 Sep 18 j 18:40	2° $\text{Q}$ 56'40	1°12'52	superior conj	1262 Sep 01 j 00:56	15° $\text{M}$ 16'59	1°34'12
minimum elong	1261 Sep 18 j 23:19	3° $\text{Q}$ 16'54	1°12'20	minimum elong	1262 Sep 01 j 04:11	15° $\text{M}$ 31'53	1°33'56
max. Earth dist.	1261 Sep 26 j 06:12	15° $\text{Q}$ 37'13	1.42472 AU	max. Earth dist.	1262 Sep 08 j 13:25	28° $\text{M}$ 38'51	1.40574 AU
desc. node	1261 Sep 30 j 07:19	22° $\text{Q}$ 12'08			1262 Sep 09 j 08:23	0° $\text{Q}$	
evening rise	1261 Oct 02 j 17:59	26° $\text{Q}$ 05'35		evening rise	1262 Sep 13 j 03:02	6° $\text{Q}$ 20'10	
	1261 Oct 05 j 05:47	0° $\text{M}$		desc. node	1262 Sep 17 j 04:22	12° $\text{Q}$ 54'45	
	1261 Oct 25 j 18:47	0° $\text{S}$			1262 Sep 28 j 09:34	0° $\text{M}$	
evening max el	1261 Nov 03 j 23:57	11° $\text{S}$ 06'49	22°04'28	evening max el	1262 Oct 17 j 14:45	24° $\text{M}$ 39'41	23°23'58
retrograde	1261 Nov 13 j 08:28	16° $\text{S}$ 40'38			1262 Oct 24 j 13:45	0° $\text{S}$	
evening set	1261 Nov 17 j 18:54	14° $\text{S}$ 54'25		retrograde	1262 Oct 28 j 02:03	0° $\text{S}$ 51'23	
asc. node	1261 Nov 18 j 11:38	14° $\text{S}$ 18'00			1262 Oct 31 j 07:50	30° $\text{R}$ $\text{M}$	
inferior conj	1261 Nov 23 j 03:18	8° $\text{S}$ 35'54	1°32'42	evening set	1262 Nov 02 j 01:32	28° $\text{M}$ 47'44	
minimum elong	1261 Nov 23 j 01:21	8° $\text{S}$ 42'41	1°31'57	asc. node	1262 Nov 05 j 08:39	25° $\text{M}$ 12'49	
min. Earth dist.	1261 Nov 23 j 03:53	8° $\text{S}$ 33'54	0.67735 AU	inferior conj	1262 Nov 07 j 10:35	22° $\text{M}$ 25'02	0°42'40
morning rise	1261 Nov 28 j 07:38	2° $\text{S}$ 24'16		minimum elong	1262 Nov 07 j 09:36	22° $\text{M}$ 28'26	0°42'14
direct	1261 Dec 03 j 02:34	0° $\text{S}$ 23'38		min. Earth dist.	1262 Nov 07 j 00:32	22° $\text{M}$ 59'28	0.67736 AU
morning max el	1261 Dec 12 j 19:04	6° $\text{S}$ 07'28	22°35'21	morning rise	1262 Nov 12 j 17:36	16° $\text{M}$ 17'01	
desc. node	1261 Dec 27 j 06:33	24° $\text{S}$ 23'30		direct	1262 Nov 16 j 22:08	14° $\text{M}$ 39'13	
	1261 Dec 31 j 03:53	0° $\text{S}$		morning max el	1262 Nov 25 j 11:02	19° $\text{M}$ 37'44	21°12'38
morning set	1262 Jan 15 j 17:00	24° $\text{S}$ 06'28			1262 Dec 04 j 00:35	0° $\text{S}$	
	1262 Jan 19 j 06:11	0° $\text{S}$		desc. node	1262 Dec 14 j 03:36	14° $\text{S}$ 27'02	
max. Earth dist.	1262 Jan 20 j 16:13	2° $\text{S}$ 24'01	1.40383 AU		1262 Dec 24 j 08:59	0° $\text{S}$	
superior conj	1262 Jan 28 j 11:21	16° $\text{S}$ 05'06	-1°59'44	morning set	1262 Dec 26 j 04:10	2° $\text{S}$ 48'59	
minimum elong	1262 Jan 28 j 14:01	16° $\text{S}$ 17'08	1°59'38	max. Earth dist.	1263 Jan 02 j 18:33	15° $\text{S}$ 00'12	1.42370 AU
	1262 Feb 04 j 23:35	0° $\text{H}$					

superior conj	1263 Jan 10 j 00:27	27°  08'28	-2°03'32	desc. node	1263 Dec 01 j 00:39	4°  48'00	
minimum elong	1263 Jan 09 j 23:20	27°  03'39	2°03'30	morning set	1263 Dec 05 j 00:25	10°  56'13	
	1263 Jan 11 j 16:18	0°  ≈		max. Earth dist.	1263 Dec 16 j 04:11	28°  26'24	1.43932 AU
evening rise	1263 Jan 21 j 09:19	17°  ≈14'39			1263 Dec 17 j 03:36	0°  ☿	
	1263 Jan 28 j 13:15	0°  ☿					
asc. node	1263 Feb 01 j 08:00	6°  ☿11'10		superior conj	1263 Dec 21 j 11:23	6°  59'27	-1°51'01
evening max el	1263 Feb 07 j 01:59	13°  ☿36'28	18°08'05	minimum elong	1263 Dec 21 j 05:02	6°  53'30	1°50'36
retrograde	1263 Feb 13 j 18:27	17°  ☿01'45		evening rise	1264 Jan 03 j 14:28	29°  50'13	
evening set	1263 Feb 16 j 10:42	16°  ☿29'03			1264 Jan 04 j 04:04	0°  ≈	
inferior conj	1263 Feb 23 j 01:38	11°  ☿31'47	3°37'14	asc. node	1264 Jan 19 j 05:03	24°  ≈07'30	
minimum elong	1263 Feb 23 j 03:24	11°  ☿27'32	3°37'05	evening max el	1264 Jan 21 j 14:28	26°  ≈50'53	18°12'45
min. Earth dist.	1263 Feb 26 j 05:46	8°  ☿30'25	0.61063 AU		1264 Jan 26 j 05:45	0°  ☿	
morning rise	1263 Mar 01 j 18:23	5°  ☿40'48		retrograde	1264 Jan 28 j 01:44	0°  ☿17'33	
direct	1263 Mar 08 j 13:27	3°  ☿23'41			1264 Jan 29 j 21:43	30°  ☿≈	
desc. node	1263 Mar 12 j 02:47	3°  ☿58'25		evening set	1264 Jan 30 j 22:53	29°  ≈34'35	
morning max el	1263 Mar 22 j 18:32	11°  ☿16'13	27°43'05	inferior conj	1264 Feb 06 j 02:24	24°  ≈17'26	3°46'00
	1263 Apr 06 j 10:56	0°  ☿☿		minimum elong	1264 Feb 06 j 02:08	24°  ≈18'07	3°46'00
	1263 Apr 23 j 07:46	0°  ☿☿		min. Earth dist.	1264 Feb 08 j 17:20	21°  ≈27'40	0.63081 AU
morning set	1263 Apr 24 j 07:35	2°  ☿01'41		morning rise	1264 Feb 12 j 04:27	18°  ≈15'31	
asc. node	1263 Apr 30 j 07:17	14°  ☿45'04		direct	1264 Feb 19 j 03:40	15°  ≈33'30	
max. Earth dist.	1263 Apr 30 j 09:51	14°  ☿59'02	1.32357 AU	desc. node	1264 Feb 26 j 23:50	18°  ≈22'24	
				morning max el	1264 Mar 04 j 01:17	23°  ≈28'29	27°45'24
superior conj	1263 May 01 j 14:32	17°  ☿35'40	0°13'45		1264 Mar 09 j 21:32	0°  ☿	
minimum elong	1263 May 01 j 13:55	17°  ☿32'13	0°13'37		1264 Mar 29 j 17:25	0°  ☿☿	
behind sun begin	1263 May 01 j 11:18	17°  ☿17'57		morning set	1264 Apr 07 j 07:22	16°  ☿15'17	
behind sun end	1263 May 01 j 16:31	17°  ☿46'30		max. Earth dist.	1264 Apr 12 j 16:17	27°  ☿22'40	1.32868 AU
	1263 May 07 j 07:08	0°  ☿☿			1264 Apr 13 j 21:45	0°  ☿☿	
evening rise	1263 May 08 j 11:55	2°  ☿☿33'35					
	1263 May 23 j 08:06	0°  ☿☿		superior conj	1264 Apr 14 j 22:58	2°  ☿15'32	-0°12'55
evening max el	1263 Jun 03 j 20:28	14°  ☿26'44	25°03'21	minimum elong	1264 Apr 14 j 23:35	2°  ☿18'54	0°12'45
desc. node	1263 Jun 08 j 02:05	17°  ☿58'59		behind sun begin	1264 Apr 14 j 20:26	2°  ☿01'53	
retrograde	1263 Jun 17 j 20:19	21°  ☿33'34		behind sun end	1264 Apr 15 j 02:45	2°  ☿35'56	
evening set	1263 Jun 23 j 05:12	20°  ☿27'18		asc. node	1264 Apr 16 j 04:21	4°  ☿54'21	
min. Earth dist.	1263 Jun 28 j 08:01	17°  ☿40'41	0.57525 AU	evening rise	1264 Apr 21 j 23:44	17°  ☿24'43	
inferior conj	1263 Jul 01 j 09:01	15°  ☿38'01	-4°50'25		1264 Apr 28 j 05:24	0°  ☿☿	
minimum elong	1263 Jul 01 j 07:02	15°  ☿41'22	4°50'19	evening max el	1264 May 15 j 10:31	25°  ☿☿01'33	23°30'05
morning rise	1263 Jul 09 j 11:34	11°  ☿27'02			1264 May 22 j 01:52	0°  ☿☿	
direct	1263 Jul 12 j 01:21	11°  ☿07'39		desc. node	1264 May 24 j 23:05	1°  ☿12'16	
morning max el	1263 Jul 20 j 22:05	15°  ☿16'30	19°06'21	retrograde	1264 May 29 j 01:40	1°  ☿50'39	
asc. node	1263 Jul 27 j 06:28	23°  ☿09'38		evening set	1264 Jun 01 j 22:53	1°  ☿17'29	
	1263 Jul 31 j 09:07	0°  ☿☿			1264 Jun 05 j 08:11	30°  ☿☿☿☿	
morning set	1263 Aug 06 j 18:19	12°  ☿09'56		min. Earth dist.	1264 Jun 08 j 20:49	28°  ☿☿05'58	0.55913 AU
				inferior conj	1264 Jun 10 j 22:17	26°  ☿☿52'15	-4°12'06
superior conj	1263 Aug 15 j 01:41	28°  ☿32'29	1°44'31	minimum elong	1264 Jun 10 j 15:35	27°  ☿☿02'17	4°10'47
minimum elong	1263 Aug 15 j 02:56	28°  ☿38'30	1°44'29	morning rise	1264 Jun 19 j 10:58	22°  ☿☿56'33	
	1263 Aug 15 j 19:53	0°  ☿☿		direct	1264 Jun 22 j 04:34	22°  ☿☿38'03	
max. Earth dist.	1263 Aug 21 j 16:49	10°  ☿☿56'48	1.38529 AU	morning max el	1264 Jul 02 j 13:49	27°  ☿☿26'30	20°12'31
evening rise	1263 Aug 25 j 12:28	17°  ☿☿43'00			1264 Jul 05 j 01:12	0°  ☿☿	
	1263 Sep 01 j 20:50	0°  ☿☿		asc. node	1264 Jul 13 j 03:34	11°  ☿☿46'33	
desc. node	1263 Sep 04 j 01:25	3°  ☿☿28'59		morning set	1264 Jul 20 j 22:57	26°  ☿☿43'59	
	1263 Sep 22 j 18:35	0°  ☿☿☿			1264 Jul 22 j 13:18	0°  ☿☿☿	
evening max el	1263 Sep 30 j 02:59	8°  ☿☿15'57	24°42'48				
retrograde	1263 Oct 11 j 15:52	14°  ☿☿59'29		superior conj	1264 Jul 28 j 15:50	12°  ☿☿28'49	1°45'49
evening set	1263 Oct 17 j 05:27	12°  ☿☿39'04		minimum elong	1264 Jul 28 j 15:20	12°  ☿☿26'17	1°45'49
min. Earth dist.	1263 Oct 21 j 19:56	7°  ☿☿24'36	0.67407 AU	max. Earth dist.	1264 Aug 02 j 22:06	22°  ☿☿49'50	1.36595 AU
inferior conj	1263 Oct 22 j 16:29	6°  ☿☿16'18	-0°11'24	evening rise	1264 Aug 06 j 20:10	0°  ☿☿☿	
minimum elong	1263 Oct 22 j 16:46	6°  ☿☿15'22	0°11'17		1264 Aug 06 j 17:58	0°  ☿☿☿	
transit middle	1263 Oct 22 j 16:46	6°  ☿☿15'22	0°11'17	desc. node	1264 Aug 20 j 22:26	23°  ☿☿☿50'08	
transit begin	1263 Oct 22 j 14:47	6°  ☿☿21'57			1264 Aug 25 j 01:17	0°  ☿☿☿	
transit end	1263 Oct 22 j 18:45	6°  ☿☿08'47		evening max el	1264 Sep 11 j 14:51	21°  ☿☿55'17	25°53'35
asc. node	1263 Oct 23 j 05:42	5°  ☿☿32'33		retrograde	1264 Sep 24 j 00:59	29°  ☿☿00'12	
morning rise	1263 Oct 28 j 04:11	0°  ☿☿☿14'16		evening set	1264 Sep 30 j 04:51	26°  ☿☿25'47	
	1263 Oct 28 j 12:42	30°  ☿☿☿☿☿		min. Earth dist.	1264 Oct 04 j 11:41	21°  ☿☿46'51	0.66750 AU
direct	1263 Oct 31 j 19:57	28°  ☿☿57'19		inferior conj	1264 Oct 05 j 19:13	20°  ☿☿07'20	-1°08'04
	1263 Nov 04 j 08:07	0°  ☿☿☿		minimum elong	1264 Oct 05 j 20:59	20°  ☿☿01'47	1°07'20
morning max el	1263 Nov 08 j 10:34	3°  ☿☿18'33	20°01'02	asc. node	1264 Oct 09 j 02:44	16°  ☿☿14'41	
	1263 Nov 27 j 21:04	0°  ☿☿☿		morning rise	1264 Oct 11 j 13:26	14°  ☿☿14'00	



direct	1264 Oct 14 j 18:30	13° <u>♄</u> 14'40		asc. node	1265 Sep 25 j 23:48	28° <u>♄</u> 06'21	
morning max el	1264 Oct 21 j 17:28	17° <u>♄</u> 08'26	19°03'51	direct	1265 Sep 28 j 15:51	27° <u>♄</u> 26'50	
	1264 Oct 31 j 12:46	0° <u>♄</u>			1265 Oct 04 j 03:22	0° <u>♄</u>	
morning set	1264 Nov 13 j 06:51	19° <u>♄</u> 41'44		morning max el	1265 Oct 05 j 05:59	1° <u>♄</u> 02'42	18°22'42
desc. node	1264 Nov 16 j 21:42	25° <u>♄</u> 21'29		morning set	1265 Oct 24 j 16:07	29° <u>♄</u> 49'24	
	1264 Nov 19 j 20:53	0° <u>♄</u>			1265 Oct 24 j 18:44	0° <u>♄</u>	
max. Earth dist.	1264 Nov 27 j 19:51	12° <u>♄</u> 29'10	1.44879 AU	desc. node	1265 Nov 03 j 18:44	16° <u>♄</u> 02'45	
superior conj	1264 Nov 29 j 22:17	15° <u>♄</u> 48'04	-1°19'42	superior conj	1265 Nov 08 j 23:13	24° <u>♄</u> 14'45	-0°34'02
minimum elong	1264 Nov 29 j 13:41	15° <u>♄</u> 14'08	1°18'47	minimum elong	1265 Nov 08 j 18:47	23° <u>♄</u> 57'18	0°33'26
	1264 Dec 08 j 19:56	0° <u>♄</u>		max. Earth dist.	1265 Nov 10 j 14:47	26° <u>♄</u> 50'26	1.45099 AU
evening rise	1264 Dec 14 j 21:45	9° <u>♄</u> 52'02			1265 Nov 12 j 15:04	0° <u>♄</u>	
	1264 Dec 27 j 08:59	0° <u>♄</u>		evening rise	1265 Nov 25 j 05:28	19° <u>♄</u> 45'25	
evening max el	1265 Jan 04 j 02:24	10° <u>♄</u> 14'39	18°35'54		1265 Dec 01 j 18:04	0° <u>♄</u>	
asc. node	1265 Jan 05 j 02:04	11° <u>♄</u> 11'39		greatest brilliancy	1265 Dec 05 j 19:08	6° <u>♄</u> 17'34	-0.8m
retrograde	1265 Jan 10 j 17:03	13° <u>♄</u> 54'24		evening max el	1265 Dec 18 j 11:24	23° <u>♄</u> 42'38	19°16'24
evening set	1265 Jan 13 j 19:40	13° <u>♄</u> 00'06		asc. node	1265 Dec 22 j 23:05	27° <u>♄</u> 09'22	
inferior conj	1265 Jan 19 j 14:58	7° <u>♄</u> 24'38	3°36'23	retrograde	1265 Dec 25 j 12:59	27° <u>♄</u> 45'44	
minimum elong	1265 Jan 19 j 13:15	7° <u>♄</u> 29'46	3°36'11	evening set	1265 Dec 28 j 22:14	26° <u>♄</u> 38'50	
min. Earth dist.	1265 Jan 21 j 14:25	5° <u>♄</u> 03'20	0.64797 AU	inferior conj	1266 Jan 03 j 11:57	20° <u>♄</u> 47'17	3°13'21
morning rise	1265 Jan 25 j 06:22	1° <u>♄</u> 16'34		minimum elong	1266 Jan 03 j 09:27	20° <u>♄</u> 55'20	3°12'49
	1265 Jan 26 j 23:23	30° <u>♄</u>		min. Earth dist.	1266 Jan 04 j 20:21	19° <u>♄</u> 03'25	0.66115 AU
direct	1265 Feb 01 j 01:11	28° <u>♄</u> 24'36		morning rise	1266 Jan 08 j 20:25	14° <u>♄</u> 35'45	
	1265 Feb 06 j 14:42	0° <u>♄</u>		direct	1266 Jan 15 j 04:47	11° <u>♄</u> 47'47	
desc. node	1265 Feb 12 j 20:53	4° <u>♄</u> 41'09		morning max el	1266 Jan 27 j 20:07	19° <u>♄</u> 16'07	26°12'36
morning max el	1265 Feb 14 j 10:33	6° <u>♄</u> 12'13	27°12'55	desc. node	1266 Jan 30 j 17:57	22° <u>♄</u> 22'27	
	1265 Mar 04 j 16:52	0° <u>♄</u>			1266 Feb 05 j 23:44	0° <u>♄</u>	
morning set	1265 Mar 21 j 22:12	29° <u>♄</u> 58'08			1266 Feb 25 j 18:03	0° <u>♄</u>	
	1265 Mar 21 j 22:35	0° <u>♄</u>		morning set	1266 Mar 05 j 00:17	12° <u>♄</u> 59'07	
max. Earth dist.	1265 Mar 26 j 13:55	9° <u>♄</u> 15'45	1.33819 AU	max. Earth dist.	1266 Mar 09 j 00:22	20° <u>♄</u> 37'18	1.35228 AU
superior conj	1265 Mar 30 j 02:53	16° <u>♄</u> 37'18	-0°40'27	superior conj	1266 Mar 13 j 23:56	0° <u>♄</u> 34'07	-1°07'32
minimum elong	1265 Mar 30 j 04:53	16° <u>♄</u> 47'52	0°40'02	minimum elong	1266 Mar 14 j 03:13	0° <u>♄</u> 50'55	1°06'58
asc. node	1265 Apr 03 j 01:24	24° <u>♄</u> 58'48			1266 Mar 13 j 17:14	0° <u>♄</u>	
	1265 Apr 05 j 10:12	0° <u>♄</u>		asc. node	1266 Mar 20 j 22:26	14° <u>♄</u> 54'30	
evening rise	1265 Apr 06 j 10:33	2° <u>♄</u> 07'57		evening rise	1266 Mar 21 j 18:24	16° <u>♄</u> 37'21	
	1265 Apr 22 j 06:00	0° <u>♄</u>			1266 Mar 28 j 14:17	0° <u>♄</u>	
evening max el	1265 Apr 27 j 04:06	5° <u>♄</u> 36'51	21°55'29	evening max el	1266 Apr 09 j 07:18	16° <u>♄</u> 39'46	20°31'53
retrograde	1265 May 09 j 18:42	11° <u>♄</u> 48'19		retrograde	1266 Apr 20 j 07:43	21° <u>♄</u> 59'51	
desc. node	1265 May 11 j 20:07	11° <u>♄</u> 38'48		evening set	1266 Apr 22 j 10:06	21° <u>♄</u> 49'02	
evening set	1265 May 12 j 10:19	11° <u>♄</u> 32'39		desc. node	1266 Apr 28 j 17:08	19° <u>♄</u> 28'28	
inferior conj	1265 May 21 j 20:05	7° <u>♄</u> 28'28	-2°46'44	inferior conj	1266 May 01 j 14:29	17° <u>♄</u> 51'18	-0°50'17
minimum elong	1265 May 21 j 12:58	7° <u>♄</u> 38'27	2°44'30	minimum elong	1266 May 01 j 12:06	17° <u>♄</u> 54'45	0°49'25
min. Earth dist.	1265 May 21 j 08:55	7° <u>♄</u> 44'07	0.55029 AU	min. Earth dist.	1266 May 02 j 21:41	17° <u>♄</u> 06'12	0.55083 AU
morning rise	1265 May 30 j 16:54	3° <u>♄</u> 34'07		morning rise	1266 May 10 j 13:08	13° <u>♄</u> 39'18	
direct	1265 Jun 02 j 17:44	3° <u>♄</u> 13'41		direct	1266 May 14 j 04:32	13° <u>♄</u> 10'43	
morning max el	1265 Jun 14 j 18:03	8° <u>♄</u> 51'58	21°38'08	morning max el	1266 May 27 j 12:57	19° <u>♄</u> 39'20	23°17'06
	1265 Jun 29 j 12:47	0° <u>♄</u>			1266 Jun 05 j 04:20	0° <u>♄</u>	
asc. node	1265 Jun 30 j 00:38	0° <u>♄</u> 55'53		asc. node	1266 Jun 16 j 21:42	20° <u>♄</u> 29'20	
morning set	1265 Jul 05 j 07:50	11° <u>♄</u> 31'26		morning set	1266 Jun 19 j 19:04	26° <u>♄</u> 26'44	
					1266 Jun 21 j 11:21	0° <u>♄</u>	
superior conj	1265 Jul 12 j 15:17	26° <u>♄</u> 53'08	1°39'54	superior conj	1266 Jun 26 j 20:59	11° <u>♄</u> 36'22	1°28'11
minimum elong	1265 Jul 12 j 13:34	26° <u>♄</u> 44'13	1°39'47	minimum elong	1266 Jun 26 j 18:40	11° <u>♄</u> 23'54	1°27'55
	1265 Jul 14 j 03:17	0° <u>♄</u>		max. Earth dist.	1266 Jun 29 j 08:59	16° <u>♄</u> 55'20	1.33688 AU
max. Earth dist.	1265 Jul 16 j 10:50	4° <u>♄</u> 43'39	1.34952 AU	evening rise	1266 Jul 04 j 11:37	27° <u>♄</u> 24'26	
evening rise	1265 Jul 20 j 21:23	13° <u>♄</u> 28'03			1266 Jul 05 j 19:10	0° <u>♄</u>	
	1265 Jul 30 j 01:42	0° <u>♄</u>			1266 Jul 23 j 07:50	0° <u>♄</u>	
desc. node	1265 Aug 07 j 19:27	13° <u>♄</u> 51'13		desc. node	1266 Jul 25 j 16:27	3° <u>♄</u> 23'32	
	1265 Aug 19 j 22:45	0° <u>♄</u>		evening max el	1266 Aug 07 j 14:50	18° <u>♄</u> 52'30	27°20'25
evening max el	1265 Aug 25 j 03:06	5° <u>♄</u> 31'08	26°48'36	retrograde	1266 Aug 21 j 02:39	26° <u>♄</u> 10'54	
retrograde	1265 Sep 07 j 04:44	12° <u>♄</u> 46'32		evening set	1266 Aug 28 j 04:54	23° <u>♄</u> 27'42	
evening set	1265 Sep 13 j 21:33	10° <u>♄</u> 03'27		min. Earth dist.	1266 Aug 31 j 22:21	20° <u>♄</u> 01'23	0.64388 AU
min. Earth dist.	1265 Sep 17 j 21:14	6° <u>♄</u> 01'22	0.65750 AU	inferior conj	1266 Sep 03 j 06:43	17° <u>♄</u> 30'38	-3°01'51
inferior conj	1265 Sep 19 j 16:45	3° <u>♄</u> 53'43	-2°05'40	minimum elong	1266 Sep 03 j 11:19	17° <u>♄</u> 18'20	3°00'18
minimum elong	1265 Sep 19 j 20:03	3° <u>♄</u> 44'03	2°04'23	morning rise	1266 Sep 09 j 18:40	12° <u>♄</u> 04'32	
	1265 Sep 23 j 07:41	30° <u>♄</u>		direct	1266 Sep 12 j 09:26	11° <u>♄</u> 29'27	
morning rise	1265 Sep 25 j 19:07	28° <u>♄</u> 12'17					

asc. node	1266 Sep 12 j 20:52	11° $\mathbb{M}$ 30'38		min. Earth dist.	1267 Aug 14 j 13:26	3° $\mathbb{M}$ 36'10	0.62673 AU
morning max el	1266 Sep 18 j 21:35	14° $\mathbb{M}$ 56'12	17°58'36	inferior conj	1267 Aug 17 j 10:18	0° $\mathbb{M}$ 51'29	-3°52'58
	1266 Sep 29 j 12:26	0° $\mathbb{L}$		minimum elong	1267 Aug 17 j 15:27	0° $\mathbb{M}$ 39'08	3°51'40
morning set	1266 Oct 06 j 05:36	11° $\mathbb{L}$ 19'34			1267 Aug 18 j 07:57	30° $\mathbb{R}$ $\mathbb{L}$	
	1266 Oct 17 j 10:33	0° $\mathbb{M}$		morning rise	1267 Aug 24 j 08:48	25° $\mathbb{L}$ 44'02	
				direct	1267 Aug 26 j 20:08	25° $\mathbb{L}$ 16'12	
superior conj	1266 Oct 19 j 12:04	3° $\mathbb{M}$ 20'51	0°14'24	asc. node	1267 Aug 30 j 17:54	26° $\mathbb{L}$ 27'29	
minimum elong	1266 Oct 19 j 13:44	3° $\mathbb{M}$ 27'34	0°14'11	morning max el	1267 Sep 02 j 13:23	28° $\mathbb{L}$ 42'20	17°52'24
behind sun begin	1266 Oct 19 j 08:42	3° $\mathbb{M}$ 07'15			1267 Sep 03 j 18:42	0° $\mathbb{M}$	
behind sun end	1266 Oct 19 j 18:46	3° $\mathbb{M}$ 47'52		morning set	1267 Sep 18 j 17:54	23° $\mathbb{M}$ 55'11	
desc. node	1266 Oct 21 j 15:44	6° $\mathbb{M}$ 48'34			1267 Sep 22 j 04:06	0° $\mathbb{L}$	
max. Earth dist.	1266 Oct 24 j 09:33	11° $\mathbb{M}$ 10'47	1.44578 AU				
evening rise	1266 Nov 04 j 18:32	28° $\mathbb{M}$ 56'13		superior conj	1267 Sep 30 j 02:33	13° $\mathbb{L}$ 43'44	0°54'58
	1266 Nov 05 j 11:07	0° $\mathbb{J}$		minimum elong	1267 Sep 30 j 07:08	14° $\mathbb{L}$ 03'02	0°54'22
greatest brilliancy	1266 Nov 18 j 22:57	20° $\mathbb{J}$ 25'22	-0.6m	max. Earth dist.	1267 Oct 07 j 00:42	25° $\mathbb{L}$ 10'36	1.43388 AU
	1266 Nov 25 j 16:54	0° $\mathbb{Z}$		desc. node	1267 Oct 08 j 12:46	27° $\mathbb{L}$ 36'00	
evening max el	1266 Dec 01 j 15:37	7° $\mathbb{Z}$ 11'31	20°12'19		1267 Oct 10 j 00:47	0° $\mathbb{M}$	
retrograde	1266 Dec 09 j 10:45	11° $\mathbb{Z}$ 46'22		evening rise	1267 Oct 15 j 02:46	7° $\mathbb{M}$ 59'41	
asc. node	1266 Dec 09 j 20:07	11° $\mathbb{Z}$ 45'31			1267 Oct 29 j 17:50	0° $\mathbb{J}$	
evening set	1266 Dec 13 j 04:15	10° $\mathbb{Z}$ 25'26		evening max el	1267 Nov 14 j 14:11	20° $\mathbb{J}$ 41'15	21°20'51
inferior conj	1266 Dec 18 j 14:31	4° $\mathbb{Z}$ 20'37	2°40'11	retrograde	1267 Nov 23 j 08:12	25° $\mathbb{J}$ 53'25	
minimum elong	1266 Dec 18 j 11:51	4° $\mathbb{Z}$ 29'39	2°39'25	asc. node	1267 Nov 26 j 17:08	24° $\mathbb{J}$ 50'05	
min. Earth dist.	1266 Dec 19 j 09:24	3° $\mathbb{Z}$ 17'03	0.67034 AU	evening set	1267 Nov 27 j 11:49	24° $\mathbb{J}$ 16'55	
	1266 Dec 21 j 23:38	30° $\mathbb{R}$ $\mathbb{J}$		inferior conj	1267 Dec 02 j 20:27	18° $\mathbb{J}$ 02'14	1°59'14
morning rise	1266 Dec 23 j 19:16	28° $\mathbb{J}$ 07'26		minimum elong	1267 Dec 02 j 18:06	18° $\mathbb{J}$ 10'20	1°58'24
direct	1266 Dec 29 j 13:48	25° $\mathbb{J}$ 33'42		min. Earth dist.	1267 Dec 03 j 03:23	17° $\mathbb{J}$ 38'16	0.67577 AU
	1267 Jan 07 j 13:15	0° $\mathbb{Z}$		morning rise	1267 Dec 08 j 00:13	11° $\mathbb{J}$ 49'15	
morning max el	1267 Jan 10 j 04:48	2° $\mathbb{Z}$ 29'30	24°53'30	direct	1267 Dec 13 j 03:42	9° $\mathbb{J}$ 35'41	
desc. node	1267 Jan 17 j 14:57	11° $\mathbb{Z}$ 01'40		morning max el	1267 Dec 23 j 13:41	15° $\mathbb{J}$ 47'45	23°25'47
	1267 Jan 31 j 03:17	0° $\mathbb{A}$		desc. node	1268 Jan 04 j 11:58	0° $\mathbb{Z}$ 22'26	
morning set	1267 Feb 15 j 08:21	25° $\mathbb{A}$ 02'29			1268 Jan 04 j 05:24	0° $\mathbb{Z}$	
	1267 Feb 18 j 02:23	0° $\mathbb{H}$			1268 Jan 24 j 03:24	0° $\mathbb{A}$	
max. Earth dist.	1267 Feb 19 j 00:12	1° $\mathbb{H}$ 40'12	1.37054 AU	morning set	1268 Jan 27 j 16:13	5° $\mathbb{A}$ 52'18	
				max. Earth dist.	1268 Jan 31 j 19:00	12° $\mathbb{A}$ 56'15	1.39152 AU
superior conj	1267 Feb 25 j 10:58	13° $\mathbb{H}$ 56'22	-1°32'19				
minimum elong	1267 Feb 25 j 15:04	14° $\mathbb{H}$ 16'23	1°31'48	superior conj	1268 Feb 08 j 08:09	26° $\mathbb{A}$ 34'20	-1°52'05
evening rise	1267 Mar 05 j 20:59	0° $\mathbb{Y}$ 44'57		minimum elong	1268 Feb 08 j 11:53	26° $\mathbb{A}$ 51'44	1°51'48
	1267 Mar 05 j 12:00	0° $\mathbb{Y}$			1268 Feb 10 j 03:58	0° $\mathbb{H}$	
asc. node	1267 Mar 07 j 19:27	4° $\mathbb{Y}$ 35'59		evening rise	1268 Feb 17 j 15:35	14° $\mathbb{H}$ 23'40	
evening max el	1267 Mar 22 j 22:01	28° $\mathbb{Y}$ 20'59	19°25'59	asc. node	1268 Feb 22 j 16:28	23° $\mathbb{H}$ 57'55	
	1267 Mar 24 j 19:35	0° $\mathbb{Z}$			1268 Feb 26 j 02:27	0° $\mathbb{Y}$	
retrograde	1267 Apr 01 j 05:37	2° $\mathbb{Z}$ 50'37		evening max el	1268 Mar 04 j 22:49	10° $\mathbb{Y}$ 39'18	18°39'59
evening set	1267 Apr 03 j 07:59	2° $\mathbb{Z}$ 37'56		retrograde	1268 Mar 12 j 20:46	14° $\mathbb{Y}$ 30'55	
	1267 Apr 09 j 11:42	30° $\mathbb{R}$ $\mathbb{Y}$		evening set	1268 Mar 15 j 04:29	14° $\mathbb{Y}$ 12'12	
inferior conj	1267 Apr 11 j 19:51	28° $\mathbb{Y}$ 31'19	1°03'43	inferior conj	1268 Mar 22 j 20:58	9° $\mathbb{Y}$ 48'03	2°29'38
minimum elong	1267 Apr 11 j 22:25	28° $\mathbb{Y}$ 27'08	1°02'50	minimum elong	1268 Mar 23 j 01:06	9° $\mathbb{Y}$ 40'12	2°28'33
min. Earth dist.	1267 Apr 14 j 12:14	26° $\mathbb{Y}$ 47'04	0.56068 AU	min. Earth dist.	1268 Mar 26 j 05:49	7° $\mathbb{Y}$ 15'58	0.57770 AU
desc. node	1267 Apr 15 j 14:10	26° $\mathbb{Y}$ 07'09		morning rise	1268 Mar 30 j 18:41	4° $\mathbb{Y}$ 30'46	
morning rise	1267 Apr 20 j 10:04	23° $\mathbb{Y}$ 46'51		desc. node	1268 Apr 01 j 11:11	3° $\mathbb{Y}$ 50'19	
direct	1267 Apr 25 j 00:39	22° $\mathbb{Y}$ 58'37		direct	1268 Apr 05 j 11:11	3° $\mathbb{Y}$ 10'06	
morning max el	1267 May 09 j 03:38	0° $\mathbb{Z}$ 07'44	24°57'51	morning max el	1268 Apr 19 j 19:56	10° $\mathbb{Y}$ 44'46	26°24'59
	1267 May 09 j 00:23	0° $\mathbb{Z}$			1268 May 04 j 15:13	0° $\mathbb{Z}$	
	1267 May 29 j 15:36	0° $\mathbb{H}$		morning set	1268 May 18 j 17:50	26° $\mathbb{Z}$ 16'56	
asc. node	1267 Jun 03 j 18:44	10° $\mathbb{H}$ 19'30			1268 May 20 j 11:50	0° $\mathbb{H}$	
morning set	1267 Jun 04 j 06:56	11° $\mathbb{H}$ 23'40		asc. node	1268 May 20 j 15:46	0° $\mathbb{H}$ 21'05	
superior conj	1267 Jun 11 j 06:33	26° $\mathbb{H}$ 30'13	1°11'48	superior conj	1268 May 25 j 18:03	11° $\mathbb{H}$ 28'13	0°51'35
minimum elong	1267 Jun 11 j 04:09	26° $\mathbb{H}$ 17'05	1°11'24	minimum elong	1268 May 25 j 16:01	11° $\mathbb{H}$ 17'06	0°51'11
max. Earth dist.	1267 Jun 12 j 15:01	29° $\mathbb{H}$ 26'42	1.32821 AU	max. Earth dist.	1268 May 26 j 02:01	12° $\mathbb{H}$ 12'00	1.32344 AU
	1267 Jun 12 j 21:10	0° $\mathbb{G}$		evening rise	1268 Jun 01 j 16:53	26° $\mathbb{H}$ 28'51	
evening rise	1267 Jun 18 j 11:05	11° $\mathbb{G}$ 47'41			1268 Jun 03 j 09:45	0° $\mathbb{G}$	
	1267 Jun 28 j 00:11	0° $\mathbb{L}$			1268 Jun 20 j 13:36	0° $\mathbb{L}$	
desc. node	1267 Jul 12 j 13:29	22° $\mathbb{L}$ 14'51		desc. node	1268 Jun 28 j 10:31	10° $\mathbb{L}$ 07'56	
	1267 Jul 19 j 05:05	0° $\mathbb{M}$		evening max el	1268 Jul 02 j 04:16	14° $\mathbb{L}$ 01'07	26°52'42
evening max el	1267 Jul 20 j 24:00	1° $\mathbb{M}$ 46'19	27°23'00	retrograde	1268 Jul 16 j 03:04	21° $\mathbb{L}$ 15'52	
retrograde	1267 Aug 03 j 18:27	9° $\mathbb{M}$ 03'54		evening set	1268 Jul 23 j 00:51	19° $\mathbb{L}$ 10'36	
evening set	1267 Aug 10 j 23:28	6° $\mathbb{M}$ 32'41		min. Earth dist.	1268 Jul 26 j 18:18	16° $\mathbb{L}$ 31'30	0.60698 AU

inferior conj	1268 Jul 30 j 00:10	13°♎47'51	-4°33'11	min. Earth dist.	1269 Jul 08 j 14:21	28°♊33'50	0.58642 AU
minimum elong	1268 Jul 30 j 04:20	13°♎39'02	4°32'34	inferior conj	1269 Jul 11 j 20:49	26°♊10'47	-4°53'09
morning rise	1268 Aug 06 j 09:39	9°♎01'38		minimum elong	1269 Jul 11 j 21:42	26°♊09'11	4°53'09
direct	1268 Aug 08 j 20:08	8°♎38'28		morning rise	1269 Jul 19 j 17:11	21°♊47'04	
morning max el	1268 Aug 16 j 02:16	12°♎12'52	18°05'05	direct	1269 Jul 22 j 05:20	21°♊26'35	
asc. node	1268 Aug 16 j 14:58	12°♎44'36		morning max el	1269 Jul 30 j 09:07	25°♊19'28	18°37'54
	1268 Aug 27 j 23:58	0°♎			1269 Aug 03 j 09:55	0°♎	
morning set	1268 Aug 31 j 22:55	7°♎18'30		asc. node	1269 Aug 03 j 12:02	0°♎07'10	
				morning set	1269 Aug 15 j 15:49	21°♎16'55	
					1269 Aug 20 j 03:36	0°♎	
superior conj	1268 Sep 10 j 19:34	25°♎24'18	1°23'22				
minimum elong	1268 Sep 10 j 23:47	25°♎43'04	1°22'57	superior conj	1269 Aug 24 j 10:23	8°♎09'47	1°39'48
	1268 Sep 13 j 10:07	0°♎		minimum elong	1269 Aug 24 j 12:48	8°♎21'03	1°39'40
max. Earth dist.	1268 Sep 18 j 10:30	8°♎34'35	1.41689 AU	max. Earth dist.	1269 Aug 31 j 15:41	21°♎16'50	1.39707 AU
evening rise	1268 Sep 23 j 23:20	17°♎39'15		evening rise	1269 Sep 04 j 18:47	28°♎22'56	
desc. node	1268 Sep 24 j 09:48	18°♎21'14			1269 Sep 05 j 17:55	0°♎	
	1268 Oct 01 j 20:58	0°♎		desc. node	1269 Sep 11 j 06:52	9°♎00'50	
	1268 Oct 23 j 11:40	0°♎			1269 Sep 25 j 09:29	0°♎	
evening max el	1268 Oct 27 j 07:28	4°♎12'31	22°37'59	evening max el	1269 Oct 09 j 21:06	17°♎47'15	23°58'05
retrograde	1268 Nov 06 j 03:35	10°♎03'14		retrograde	1269 Oct 20 j 19:33	24°♎13'00	
evening set	1268 Nov 10 j 19:15	8°♎09'54		evening set	1269 Oct 26 j 00:56	22°♎02'15	
asc. node	1268 Nov 12 j 14:11	6°♎25'23		asc. node	1269 Oct 30 j 11:13	16°♎58'35	
inferior conj	1268 Nov 16 j 03:46	1°♎49'04	1°12'05	inferior conj	1269 Oct 31 j 10:41	15°♎39'15	0°20'11
minimum elong	1268 Nov 16 j 02:10	1°♎54'35	1°11'27	minimum elong	1269 Oct 31 j 10:12	15°♎40'54	0°19'58
min. Earth dist.	1268 Nov 15 j 23:49	2°♎02'41	0.67773 AU	min. Earth dist.	1269 Oct 30 j 20:16	16°♎28'06	0.67639 AU
	1268 Nov 17 j 11:38	30°♎		morning rise	1269 Nov 05 j 19:26	9°♎33'22	
morning rise	1268 Nov 21 j 08:57	25°♎38'26		direct	1269 Nov 09 j 18:25	8°♎04'32	
direct	1268 Nov 25 j 21:37	23°♎47'28		morning max el	1269 Nov 17 j 20:52	12°♎45'41	20°40'33
morning max el	1268 Dec 05 j 01:56	29°♎11'44	21°59'01		1269 Dec 01 j 05:08	0°♎	
	1268 Dec 05 j 20:39	0°♎		desc. node	1269 Dec 08 j 06:04	10°♎24'16	
desc. node	1268 Dec 21 j 09:01	20°♎12'41		morning set	1269 Dec 16 j 21:13	23°♎36'25	
	1268 Dec 27 j 23:38	0°♎			1269 Dec 20 j 23:05	0°♎	
morning set	1269 Jan 06 j 19:03	15°♎17'27		max. Earth dist.	1269 Dec 25 j 22:24	7°♎57'05	1.43107 AU
max. Earth dist.	1269 Jan 12 j 16:45	24°♎57'43	1.41268 AU				
	1269 Jan 15 j 16:20	0°♎		superior conj	1270 Jan 01 j 12:54	18°♎49'17	-2°00'28
superior conj	1269 Jan 20 j 10:32	8°♎15'55	-2°03'03	minimum elong	1270 Jan 01 j 09:33	18°♎35'17	2°00'20
minimum elong	1269 Jan 20 j 11:53	8°♎21'56	2°03'01		1270 Jan 08 j 02:08	0°♎	
evening rise	1269 Jan 30 j 22:50	27°♎25'17		evening rise	1270 Jan 13 j 14:47	9°♎41'53	
	1269 Feb 01 j 08:13	0°♎			1270 Jan 25 j 14:08	0°♎	
asc. node	1269 Feb 08 j 13:30	12°♎53'31		asc. node	1270 Jan 26 j 10:33	1°♎14'28	
evening max el	1269 Feb 16 j 06:40	23°♎26'29	18°14'05	evening max el	1270 Jan 30 j 18:19	6°♎33'22	18°07'44
retrograde	1269 Feb 23 j 06:25	26°♎56'31		retrograde	1270 Feb 06 j 07:14	9°♎57'21	
evening set	1269 Feb 25 j 19:52	26°♎29'14		evening set	1270 Feb 09 j 01:41	9°♎20'13	
inferior conj	1269 Mar 04 j 19:05	21°♎44'13	3°21'16	inferior conj	1270 Feb 15 j 11:18	4°♎14'10	3°43'34
minimum elong	1269 Mar 04 j 22:02	21°♎37'42	3°20'48	minimum elong	1270 Feb 15 j 12:10	4°♎11'58	3°43'32
min. Earth dist.	1269 Mar 08 j 04:16	18°♎46'18	0.59845 AU	min. Earth dist.	1270 Feb 18 j 10:17	1°♎15'30	0.61957 AU
morning rise	1269 Mar 11 j 21:58	16°♎03'08			1270 Feb 19 j 18:45	30°♎	
direct	1269 Mar 18 j 10:26	14°♎05'10		morning rise	1270 Feb 21 j 21:22	28°♎18'05	
desc. node	1269 Mar 19 j 08:12	14°♎07'23		direct	1270 Feb 28 j 19:30	25°♎48'52	
morning max el	1269 Apr 01 j 17:39	21°♎53'02	27°24'39	desc. node	1270 Mar 06 j 05:15	27°♎09'21	
	1269 Apr 08 j 20:32	0°♎			1270 Mar 10 j 17:20	0°♎	
	1269 Apr 27 j 13:45	0°♎		morning max el	1270 Mar 14 j 21:32	3°♎42'24	27°48'36
morning set	1269 May 03 j 02:05	11°♎00'50			1270 Apr 03 j 10:07	0°♎	
asc. node	1269 May 07 j 12:49	20°♎29'26		morning set	1270 Apr 17 j 05:38	25°♎27'40	
max. Earth dist.	1269 May 09 j 14:27	25°♎00'35	1.32244 AU		1270 Apr 19 j 10:21	0°♎	
				max. Earth dist.	1270 Apr 23 j 00:24	7°♎38'01	1.32529 AU
superior conj	1269 May 10 j 05:44	26°♎24'27	0°28'17	asc. node	1270 Apr 24 j 09:52	10°♎39'24	
minimum elong	1269 May 10 j 04:29	26°♎17'40	0°28'02				
	1269 May 11 j 20:57	0°♎		superior conj	1270 Apr 24 j 15:50	11°♎11'55	0°02'39
evening rise	1269 May 17 j 02:38	11°♎20'09		minimum elong	1270 Apr 24 j 15:42	11°♎11'13	0°02'38
	1269 May 26 j 15:34	0°♎		behind sun begin	1270 Apr 24 j 10:38	10°♎43'36	
evening max el	1269 Jun 14 j 01:53	25°♎30'51	25°50'41	behind sun end	1270 Apr 24 j 20:47	11°♎38'51	
desc. node	1269 Jun 15 j 07:31	26°♎39'04		evening rise	1270 May 01 j 14:14	26°♎13'23	
	1269 Jun 19 j 17:47	0°♎			1270 May 03 j 09:29	0°♎	
retrograde	1269 Jun 28 j 02:32	2°♎41'10			1270 May 21 j 01:50	0°♎	
evening set	1269 Jul 04 j 04:31	1°♎12'43		evening max el	1270 May 26 j 17:18	6°♎19'15	24°24'46
	1269 Jul 06 j 10:01	30°♎		desc. node	1270 Jun 02 j 04:33	11°♎15'08	

retrograde	1270 Jun 09 j 14:33	13°☿19'52		retrograde	1271 May 21 j 14:19	23°♊25'29	
evening set	1270 Jun 14 j 08:49	12°☿29'11		evening set	1271 May 24 j 21:33	23°♊01'32	
min. Earth dist.	1270 Jun 20 j 04:22	9°☿33'41	0.56776 AU	min. Earth dist.	1271 Jun 01 j 16:16	19°♊35'58	0.55438 AU
inferior conj	1270 Jun 22 j 21:28	7°☿50'24	-4°39'53	inferior conj	1271 Jun 03 j 03:03	18°♊45'59	-3°41'14
minimum elong	1270 Jun 22 j 17:15	7°☿57'09	4°39'24	minimum elong	1271 Jun 02 j 19:26	18°♊56'58	3°39'20
morning rise	1270 Jul 01 j 04:24	3°☿47'04		morning rise	1271 Jun 11 j 19:43	14°♊53'27	
direct	1270 Jul 03 j 19:53	3°☿28'06		direct	1271 Jun 14 j 15:48	14°♊34'41	
morning max el	1270 Jul 13 j 06:56	7°☿51'52	19°31'56	morning max el	1271 Jun 25 j 17:46	19°♊42'51	20°46'50
asc. node	1270 Jul 21 j 09:06	18°☿20'05		asc. node	1271 Jul 03 j 23:49	0°☿	
	1270 Jul 27 j 20:14	0°♊			1271 Jul 08 j 06:10	7°☿11'29	
morning set	1270 Jul 30 j 16:56	5°♊39'50		morning set	1271 Jul 14 j 23:35	20°☿19'56	
					1271 Jul 19 j 15:28	0°♊	
superior conj	1270 Aug 07 j 17:23	21°♊43'48	1°46'04	superior conj	1271 Jul 22 j 11:54	5°♊53'06	1°44'06
minimum elong	1270 Aug 07 j 17:50	21°♊46'01	1°46'03	minimum elong	1271 Jul 22 j 10:49	5°♊47'33	1°44'03
	1270 Aug 12 j 00:14	0°♊			1271 Jul 27 j 03:25	15°♊12'22	1.35851 AU
max. Earth dist.	1270 Aug 13 j 19:32	3°♊22'34	1.37683 AU	max. Earth dist.	1271 Jul 31 j 05:50	23°♊03'12	
evening rise	1270 Aug 17 j 14:09	10°♊13'41		evening rise	1271 Aug 04 j 01:18	0°♊	
desc. node	1270 Aug 29 j 03:54	29°♊29'57		desc. node	1271 Aug 16 j 00:55	19°♊43'05	
	1270 Aug 29 j 11:38	0°♊			1271 Aug 23 j 04:20	0°♊	
	1270 Sep 20 j 23:24	0°♊			1271 Sep 04 j 20:49	15°♊02'33	26°19'21
evening max el	1270 Sep 22 j 09:02	1°♊25'02	25°14'23	evening max el	1271 Sep 17 j 14:10	22°♊13'30	
retrograde	1270 Oct 04 j 07:17	8°♊18'20		retrograde	1271 Sep 23 j 23:57	19°♊34'10	
evening set	1270 Oct 10 j 03:09	5°♊51'24		evening set	1271 Sep 28 j 03:33	15°♊11'10	0.66365 AU
min. Earth dist.	1270 Oct 14 j 14:17	0°♊52'05	0.67172 AU	min. Earth dist.	1271 Sep 29 j 16:11	13°♊18'55	-1°32'34
	1270 Oct 15 j 06:18	30°♊		inferior conj	1271 Sep 29 j 18:36	13°♊11'29	1°31'34
inferior conj	1270 Oct 15 j 15:27	29°♊30'11	-0°35'12	minimum elong	1271 Oct 04 j 05:21	8°♊26'30	
minimum elong	1270 Oct 15 j 16:20	29°♊27'17	0°34'50	asc. node	1271 Oct 05 j 13:42	7°♊30'33	
asc. node	1270 Oct 17 j 08:17	27°♊20'14		morning rise	1271 Oct 08 j 14:52	6°♊37'43	
morning rise	1270 Oct 21 j 05:42	23°♊31'43		direct	1271 Oct 15 j 09:19	10°♊22'44	18°44'22
direct	1270 Oct 24 j 16:44	22°♊22'38		morning max el	1271 Oct 29 j 10:20	0°♊	
morning max el	1270 Oct 31 j 23:41	26°♊30'29	19°34'53		1271 Nov 05 j 11:33	11°♊09'04	
	1270 Nov 04 j 02:09	0°♊		morning set	1271 Nov 12 j 00:10	21°♊27'59	
greatest brilliancy	1270 Nov 14 j 09:49	14°♊27'28	-0.7m	desc. node	1271 Nov 17 j 10:22	0°♊	
	1270 Nov 24 j 13:55	0°♊			1271 Nov 21 j 04:53	5°♊55'28	1.45054 AU
desc. node	1270 Nov 25 j 03:08	0°♊51'04		max. Earth dist.			
morning set	1270 Nov 25 j 18:51	1°♊51'50		superior conj	1271 Nov 21 j 16:46	6°♊42'08	-1°01'30
max. Earth dist.	1270 Dec 08 j 11:32	21°♊43'15	1.44418 AU	minimum elong	1271 Nov 21 j 09:15	6°♊12'37	1°00'35
					1271 Dec 06 j 09:32	0°♊	
superior conj	1270 Dec 12 j 12:43	28°♊10'44	-1°39'59	evening rise	1271 Dec 07 j 08:16	1°♊31'08	
minimum elong	1270 Dec 12 j 04:41	27°♊38'32	1°39'19	greatest brilliancy	1271 Dec 14 j 08:52	12°♊47'53	-0.9m
	1270 Dec 13 j 15:54	0°♊			1271 Dec 25 j 21:18	0°♊	
evening rise	1270 Dec 26 j 11:06	21°♊05'52		evening max el	1271 Dec 28 j 17:43	3°♊17'52	18°51'06
	1270 Dec 31 j 18:07	0°♊		asc. node	1271 Dec 31 j 04:37	5°♊27'55	
asc. node	1271 Jan 13 j 07:35	18°♊50'27		retrograde	1272 Jan 04 j 12:21	7°♊06'52	
evening max el	1271 Jan 14 j 06:53	19°♊52'37	18°20'21	evening set	1272 Jan 07 j 17:31	6°♊07'30	
retrograde	1271 Jan 20 j 18:35	23°♊23'39		inferior conj	1272 Jan 13 j 10:08	0°♊24'47	3°28'01
evening set	1271 Jan 23 j 17:59	22°♊35'54		minimum elong	1272 Jan 13 j 08:00	0°♊31'22	3°27'42
inferior conj	1271 Jan 29 j 17:36	17°♊10'24	3°43'49		1272 Jan 13 j 18:07	30°♊	
minimum elong	1271 Jan 29 j 16:38	17°♊13'07	3°43'46	min. Earth dist.	1272 Jan 15 j 03:01	28°♊18'36	0.65399 AU
min. Earth dist.	1271 Feb 01 j 01:53	14°♊31'26	0.63852 AU	morning rise	1272 Jan 18 j 22:07	24°♊14'42	
morning rise	1271 Feb 04 j 14:38	11°♊05'22		direct	1272 Jan 25 j 12:55	21°♊22'53	
direct	1271 Feb 11 j 12:43	8°♊17'41		morning max el	1272 Feb 07 j 15:46	29°♊04'48	26°50'14
desc. node	1271 Feb 21 j 02:17	12°♊26'54		desc. node	1272 Feb 07 j 23:19	29°♊23'55	
morning max el	1271 Feb 25 j 05:55	16°♊10'28	27°35'36		1272 Feb 08 j 13:19	0°♊	
	1271 Mar 08 j 15:58	0°♊			1272 Mar 01 j 12:05	0°♊	
	1271 Mar 27 j 03:17	0°♊		morning set	1272 Mar 14 j 12:00	22°♊56'29	
morning set	1271 Apr 01 j 02:02	9°♊29'45			1272 Mar 18 j 02:48	0°♊	
max. Earth dist.	1271 Apr 06 j 03:51	19°♊51'26	1.33225 AU	max. Earth dist.	1272 Mar 18 j 20:54	1°♊30'25	1.34363 AU
				superior conj	1272 Mar 22 j 23:53	9°♊56'40	-0°52'04
superior conj	1271 Apr 08 j 22:36	25°♊44'56	-0°24'32	minimum elong	1272 Mar 23 j 02:28	10°♊10'06	0°51'35
minimum elong	1271 Apr 08 j 23:48	25°♊51'22	0°24'16	asc. node	1272 Mar 28 j 03:56	20°♊48'12	
	1271 Apr 10 j 22:08	0°♊		evening rise	1272 Mar 30 j 11:40	25°♊40'01	
asc. node	1271 Apr 11 j 06:55	0°♊47'12			1272 Apr 01 j 14:14	0°♊	
evening rise	1271 Apr 16 j 01:53	11°♊02'15		evening max el	1272 Apr 19 j 04:47	27°♊33'46	21°17'59
	1271 Apr 25 j 20:55	0°♊			1272 Apr 22 j 00:59	0°♊	
evening max el	1271 May 08 j 07:44	16°♊49'34	22°48'58				
desc. node	1271 May 20 j 01:32	23°♊20'08					

retrograde	1272 May 01 j 04:45	3° $\Pi$ 24'45		evening rise	1273 Mar 14 j 17:33	10° $\Upsilon$ 00'31	
evening set	1272 May 03 j 12:17	3° $\Pi$ 12'26		asc. node	1273 Mar 15 j 00:58	10° $\Upsilon$ 38'12	
desc. node	1272 May 05 j 22:32	2° $\Pi$ 34'54			1273 Mar 25 j 13:01	0° $\mathcal{B}$	
	1272 May 11 j 11:52	30° $\mathcal{R}$ 8		evening max el	1273 Apr 01 j 13:01	8° $\mathcal{B}$ 53'01	20°01'32
inferior conj	1272 May 12 j 21:37	29° $\mathcal{B}$ 12'52	-1°59'18	retrograde	1273 Apr 11 j 19:40	13° $\mathcal{B}$ 50'10	
minimum elong	1272 May 12 j 16:07	29° $\mathcal{B}$ 20'37	1°57'24	evening set	1273 Apr 13 j 20:52	13° $\mathcal{B}$ 39'13	
min. Earth dist.	1272 May 13 j 04:48	29° $\mathcal{B}$ 02'47	0.54932 AU	inferior conj	1273 Apr 22 j 19:09	9° $\mathcal{B}$ 39'45	0°00'17
morning rise	1272 May 21 j 20:17	25° $\mathcal{B}$ 13'06		minimum elong	1273 Apr 22 j 19:10	9° $\mathcal{B}$ 39'44	0°00'17
direct	1272 May 25 j 01:51	24° $\mathcal{B}$ 50'24		transit middle	1273 Apr 22 j 19:10	9° $\mathcal{B}$ 39'44	0°00'17
	1272 Jun 05 j 18:57	0° $\Pi$		transit begin	1273 Apr 22 j 15:10	9° $\mathcal{B}$ 45'45	
morning max el	1272 Jun 06 j 17:44	0° $\Pi$ 51'14	22°19'10	transit end	1273 Apr 22 j 23:09	9° $\mathcal{B}$ 33'42	
asc. node	1272 Jun 24 j 03:13	26° $\Pi$ 31'50		desc. node	1273 Apr 22 j 19:33	9° $\mathcal{B}$ 39'08	
	1272 Jun 25 j 21:07	0° $\mathcal{E}$		min. Earth dist.	1273 Apr 24 j 18:30	8° $\mathcal{B}$ 28'30	0.55397 AU
morning set	1272 Jun 28 j 09:41	5° $\mathcal{E}$ 11'20		morning rise	1273 May 01 j 15:26	5° $\mathcal{B}$ 14'41	
				direct	1273 May 05 j 16:01	4° $\mathcal{B}$ 39'08	
superior conj	1272 Jul 05 j 14:22	20° $\mathcal{E}$ 26'51	1°35'34	morning max el	1273 May 19 j 10:01	11° $\mathcal{B}$ 27'16	24°00'31
minimum elong	1272 Jul 05 j 12:19	20° $\mathcal{E}$ 16'04	1°35'23		1273 Jun 02 j 09:25	0° $\Pi$	
max. Earth dist.	1272 Jul 08 j 19:49	27° $\mathcal{E}$ 11'09	1.34362 AU	asc. node	1273 Jun 11 j 00:14	16° $\Pi$ 12'59	
	1272 Jul 10 j 04:51	0° $\mathcal{Q}$		morning set	1273 Jun 12 j 21:22	20° $\Pi$ 07'50	
evening rise	1272 Jul 13 j 13:06	6° $\mathcal{Q}$ 39'14			1273 Jun 17 j 11:44	0° $\mathcal{E}$	
	1272 Jul 26 j 16:15	0° $\mathcal{M}$					
desc. node	1272 Aug 01 j 21:54	9° $\mathcal{M}$ 33'13		superior conj	1273 Jun 19 j 21:59	5° $\mathcal{E}$ 15'32	1°21'45
evening max el	1272 Aug 17 j 08:52	28° $\mathcal{M}$ 33'22	27°05'23	minimum elong	1273 Jun 19 j 19:33	5° $\mathcal{E}$ 02'25	1°21'25
	1272 Aug 18 j 22:28	0° $\mathcal{A}$		max. Earth dist.	1273 Jun 21 j 21:34	9° $\mathcal{E}$ 31'21	1.33272 AU
retrograde	1272 Aug 30 j 15:45	5° $\mathcal{A}$ 51'45		evening rise	1273 Jun 27 j 07:42	20° $\mathcal{E}$ 48'40	
evening set	1272 Sep 06 j 13:04	3° $\mathcal{A}$ 07'15			1273 Jul 02 j 00:45	0° $\mathcal{Q}$	
	1272 Sep 09 j 19:29	30° $\mathcal{R}$ 11		desc. node	1273 Jul 19 j 18:55	28° $\mathcal{Q}$ 49'52	
min. Earth dist.	1272 Sep 10 j 09:50	29° $\mathcal{M}$ 20'42	0.65206 AU		1273 Jul 20 j 15:43	0° $\mathcal{M}$	
inferior conj	1272 Sep 12 j 10:48	27° $\mathcal{M}$ 02'09	-2°29'54	evening max el	1273 Jul 30 j 19:59	11° $\mathcal{M}$ 45'24	27°25'28
minimum elong	1272 Sep 12 j 14:42	26° $\mathcal{M}$ 51'06	2°28'28	retrograde	1273 Aug 13 j 11:14	19° $\mathcal{M}$ 03'40	
morning rise	1272 Sep 18 j 17:07	21° $\mathcal{M}$ 26'52		evening set	1273 Aug 20 j 15:27	16° $\mathcal{M}$ 24'17	
asc. node	1272 Sep 20 j 02:24	20° $\mathcal{M}$ 56'21		min. Earth dist.	1273 Aug 24 j 07:02	13° $\mathcal{M}$ 11'22	0.63695 AU
direct	1272 Sep 21 j 10:52	20° $\mathcal{M}$ 46'25		inferior conj	1273 Aug 26 j 20:45	10° $\mathcal{M}$ 33'27	-3°24'26
morning max el	1272 Sep 27 j 23:32	24° $\mathcal{M}$ 17'45	18°10'19	minimum elong	1273 Aug 27 j 01:42	10° $\mathcal{M}$ 20'44	3°22'57
	1272 Oct 02 j 15:18	0° $\mathcal{A}$		morning rise	1273 Sep 02 j 13:04	5° $\mathcal{M}$ 14'34	
morning set	1272 Oct 16 j 09:16	21° $\mathcal{A}$ 53'16		direct	1273 Sep 05 j 02:00	4° $\mathcal{M}$ 42'56	
	1272 Oct 21 j 07:48	0° $\mathcal{M}$		asc. node	1273 Sep 06 j 23:26	5° $\mathcal{M}$ 00'49	
desc. node	1272 Oct 28 j 21:12	12° $\mathcal{M}$ 11'40		morning max el	1273 Sep 11 j 15:31	8° $\mathcal{M}$ 08'43	17°53'40
					1273 Sep 26 j 03:17	0° $\mathcal{A}$	
superior conj	1272 Oct 30 j 20:21	15° $\mathcal{M}$ 19'13	-0°13'05	morning set	1273 Sep 28 j 09:17	3° $\mathcal{A}$ 53'42	
minimum elong	1272 Oct 30 j 18:41	15° $\mathcal{M}$ 12'35	0°12'52				
behind sun begin	1272 Oct 30 j 11:57	14° $\mathcal{M}$ 45'52		superior conj	1273 Oct 10 j 19:14	24° $\mathcal{A}$ 55'18	0°32'58
behind sun end	1272 Oct 31 j 01:25	15° $\mathcal{M}$ 39'18		minimum elong	1273 Oct 10 j 22:38	25° $\mathcal{A}$ 09'13	0°32'30
max. Earth dist.	1272 Nov 02 j 23:33	20° $\mathcal{M}$ 16'23	1.44958 AU		1273 Oct 13 j 21:57	0° $\mathcal{M}$	
	1272 Nov 09 j 04:31	0° $\mathcal{A}$		desc. node	1273 Oct 15 j 18:13	2° $\mathcal{M}$ 58'24	
evening rise	1272 Nov 16 j 06:54	11° $\mathcal{A}$ 02'56		max. Earth dist.	1273 Oct 16 j 17:00	4° $\mathcal{M}$ 29'36	1.44150 AU
	1272 Nov 28 j 14:12	0° $\mathcal{B}$		evening rise	1273 Oct 26 j 15:45	20° $\mathcal{M}$ 05'04	
greatest brilliancy	1272 Nov 28 j 21:18	0° $\mathcal{B}$ 26'47	-0.7m		1273 Nov 02 j 03:42	0° $\mathcal{A}$	
evening max el	1272 Dec 11 j 00:51	16° $\mathcal{B}$ 46'13	19°38'29		1273 Nov 23 j 20:46	0° $\mathcal{B}$	
asc. node	1272 Dec 17 j 01:39	20° $\mathcal{B}$ 52'26		evening max el	1273 Nov 24 j 02:49	0° $\mathcal{B}$ 15'41	20°40'14
retrograde	1272 Dec 18 j 09:18	21° $\mathcal{B}$ 02'05		retrograde	1273 Dec 02 j 07:03	5° $\mathcal{B}$ 05'29	
evening set	1272 Dec 21 j 21:46	19° $\mathcal{B}$ 49'36		asc. node	1273 Dec 03 j 22:40	4° $\mathcal{B}$ 50'09	
inferior conj	1272 Dec 27 j 09:48	13° $\mathcal{B}$ 52'14	3°00'22	evening set	1273 Dec 06 j 04:39	3° $\mathcal{B}$ 38'09	
minimum elong	1272 Dec 27 j 07:09	14° $\mathcal{B}$ 00'57	2°59'43		1273 Dec 09 j 16:39	30° $\mathcal{R}$ 8	
min. Earth dist.	1272 Dec 28 j 12:20	12° $\mathcal{B}$ 25'04	0.66553 AU	inferior conj	1273 Dec 11 j 14:03	27° $\mathcal{A}$ 29'00	2°23'41
morning rise	1273 Jan 01 j 16:17	7° $\mathcal{B}$ 39'38		minimum elong	1273 Dec 11 j 11:27	27° $\mathcal{A}$ 37'51	2°22'50
direct	1273 Jan 07 j 19:06	4° $\mathcal{B}$ 56'22		min. Earth dist.	1273 Dec 12 j 03:43	26° $\mathcal{A}$ 42'20	0.67313 AU
morning max el	1273 Jan 20 j 00:50	12° $\mathcal{B}$ 13'03	25°40'34	morning rise	1273 Dec 16 j 18:04	21° $\mathcal{A}$ 15'49	
desc. node	1273 Jan 24 j 20:22	17° $\mathcal{B}$ 31'59		direct	1273 Dec 22 j 06:23	18° $\mathcal{A}$ 49'57	
	1273 Feb 03 j 08:23	0° $\mathcal{A}$		morning max el	1274 Jan 02 j 09:07	25° $\mathcal{A}$ 27'40	24°16'37
	1273 Feb 22 j 04:37	0° $\mathcal{H}$			1274 Jan 06 j 12:22	0° $\mathcal{B}$	
morning set	1273 Feb 25 j 07:07	5° $\mathcal{H}$ 34'49		desc. node	1274 Jan 11 j 17:25	6° $\mathcal{B}$ 30'27	
max. Earth dist.	1273 Mar 01 j 02:01	12° $\mathcal{H}$ 38'52	1.35955 AU		1274 Jan 27 j 21:12	0° $\mathcal{A}$	
				morning set	1274 Feb 07 j 05:41	17° $\mathcal{A}$ 08'45	
superior conj	1273 Mar 06 j 17:05	23° $\mathcal{H}$ 39'45	-1°18'28	max. Earth dist.	1274 Feb 10 j 22:40	23° $\mathcal{A}$ 42'28	1.37924 AU
minimum elong	1273 Mar 06 j 20:49	23° $\mathcal{H}$ 58'25	1°17'54		1274 Feb 14 j 09:08	0° $\mathcal{H}$	
	1273 Mar 09 j 20:11	0° $\mathcal{Y}$					

superior conj	1274 Feb 17 j 22:50	6° $\text{H}$ 45'03	-1°41'31	minimum elong	1275 Jan 31 j 15:41	19° $\approx$ 14'02	1°57'55
minimum elong	1274 Feb 18 j 02:58	7° $\text{H}$ 04'51	1°41'04		1275 Feb 06 j 10:32	0° $\text{H}$	
evening rise	1274 Feb 26 j 17:06	23° $\text{H}$ 56'59		evening rise	1275 Feb 10 j 07:21	7° $\text{H}$ 20'53	
asc. node	1274 Mar 01 j 21:59	0° $\text{Y}$ 12'19		asc. node	1275 Feb 16 j 19:02	19° $\text{H}$ 23'54	
	1274 Mar 01 j 19:26	0° $\text{Y}$			1275 Feb 23 j 13:27	0° $\text{Y}$	
evening max el	1274 Mar 15 j 08:29	20° $\text{Y}$ 51'36	19°04'02	evening max el	1275 Feb 26 j 12:35	3° $\text{Y}$ 22'38	18°26'32
retrograde	1274 Mar 24 j 00:11	25° $\text{Y}$ 02'49		retrograde	1275 Mar 05 j 23:43	7° $\text{Y}$ 03'23	
evening set	1274 Mar 26 j 04:49	24° $\text{Y}$ 47'49		evening set	1275 Mar 08 j 09:55	6° $\text{Y}$ 41'14	
inferior conj	1274 Apr 03 j 08:23	20° $\text{Y}$ 34'23	1°44'19	inferior conj	1275 Mar 15 j 18:36	2° $\text{Y}$ 07'59	2°55'35
minimum elong	1274 Apr 03 j 12:04	20° $\text{Y}$ 28'00	1°43'10	minimum elong	1275 Mar 15 j 22:27	2° $\text{Y}$ 00'09	2°54'43
min. Earth dist.	1274 Apr 06 j 09:56	18° $\text{Y}$ 27'57	0.56723 AU		1275 Mar 18 j 09:40	30° $\text{R}$ $\text{H}$	
desc. node	1274 Apr 09 j 16:35	16° $\text{Y}$ 30'10		min. Earth dist.	1275 Mar 19 j 05:04	29° $\text{H}$ 22'09	0.58622 AU
morning rise	1274 Apr 11 j 16:19	15° $\text{Y}$ 35'43		morning rise	1275 Mar 23 j 08:16	26° $\text{H}$ 39'22	
direct	1274 Apr 16 j 18:24	14° $\text{Y}$ 34'57		desc. node	1275 Mar 27 j 13:38	25° $\text{H}$ 12'10	
morning max el	1274 May 01 j 00:36	21° $\text{Y}$ 55'55	25°37'26	direct	1275 Mar 29 j 10:09	25° $\text{H}$ 03'10	
	1274 May 08 j 02:33	0° $\text{B}$			1275 Apr 09 j 17:50	0° $\text{Y}$	
	1274 May 25 j 22:20	0° $\text{II}$		morning max el	1275 Apr 12 j 19:01	2° $\text{Y}$ 44'07	26°54'30
morning set	1274 May 28 j 09:04	5° $\text{II}$ 04'29			1275 May 02 j 11:23	0° $\text{B}$	
asc. node	1274 May 28 j 21:17	6° $\text{II}$ 09'02		morning set	1275 May 12 j 19:05	19° $\text{B}$ 54'37	
				asc. node	1275 May 15 j 18:20	26° $\text{B}$ 13'58	
superior conj	1274 Jun 04 j 08:37	20° $\text{II}$ 12'18	1°03'39		1275 May 17 j 11:54	0° $\text{II}$	
minimum elong	1274 Jun 04 j 06:19	19° $\text{II}$ 59'42	1°03'15				
max. Earth dist.	1274 Jun 05 j 06:25	22° $\text{II}$ 11'32	1.32580 AU	superior conj	1275 May 19 j 20:23	5° $\text{II}$ 10'02	0°42'02
	1274 Jun 08 j 21:05	0° $\text{B}$		minimum elong	1275 May 19 j 18:39	5° $\text{II}$ 00'30	0°41'42
evening rise	1274 Jun 11 j 10:16	5° $\text{B}$ 21'21		max. Earth dist.	1275 May 19 j 18:39	5° $\text{II}$ 00'29	1.32259 AU
	1274 Jun 24 j 15:48	0° $\Omega$		evening rise	1275 May 26 j 18:00	20° $\text{II}$ 07'30	
desc. node	1274 Jul 06 j 15:55	17° $\Omega$ 18'59			1275 May 31 j 14:44	0° $\text{B}$	
evening max el	1274 Jul 13 j 03:37	24° $\Omega$ 24'52	27°14'09		1275 Jun 19 j 09:45	0° $\Omega$	
	1274 Jul 20 j 16:24	0° $\text{H}$		desc. node	1275 Jun 23 j 12:56	4° $\Omega$ 40'30	
retrograde	1274 Jul 26 j 23:49	1° $\text{H}$ 40'18		evening max el	1275 Jun 25 j 05:04	6° $\Omega$ 20'12	26°29'44
	1274 Aug 01 j 23:53	30° $\text{R}$ $\Omega$		retrograde	1275 Jul 09 j 04:38	13° $\Omega$ 33'13	
evening set	1274 Aug 03 j 03:16	29° $\Omega$ 18'42		evening set	1275 Jul 15 j 19:55	11° $\Omega$ 42'21	
min. Earth dist.	1274 Aug 06 j 17:44	26° $\Omega$ 31'21	0.61867 AU	min. Earth dist.	1275 Jul 19 j 18:15	9° $\Omega$ 05'55	0.59828 AU
inferior conj	1274 Aug 09 j 18:58	23° $\Omega$ 45'20	-4°11'47	inferior conj	1275 Jul 23 j 01:55	6° $\Omega$ 28'24	-4°44'49
minimum elong	1274 Aug 09 j 23:56	23° $\Omega$ 34'01	4°10'45	minimum elong	1275 Jul 23 j 04:59	6° $\Omega$ 22'17	4°44'31
morning rise	1274 Aug 16 j 22:06	18° $\Omega$ 46'22		morning rise	1275 Jul 30 j 16:06	1° $\Omega$ 52'01	
direct	1274 Aug 19 j 08:53	18° $\Omega$ 20'38		direct	1275 Aug 02 j 03:09	1° $\Omega$ 30'06	
asc. node	1274 Aug 24 j 20:30	20° $\Omega$ 33'35		morning max el	1275 Aug 09 j 17:08	5° $\Omega$ 10'31	18°16'32
morning max el	1274 Aug 26 j 06:24	21° $\Omega$ 48'55	17°55'21	asc. node	1275 Aug 11 j 17:33	7° $\Omega$ 20'23	
	1274 Sep 01 j 12:57	0° $\text{H}$			1275 Aug 25 j 09:20	0° $\text{H}$	
morning set	1274 Sep 11 j 05:22	16° $\text{H}$ 51'41		morning set	1275 Aug 25 j 15:57	0° $\text{H}$ 31'19	
	1274 Sep 18 j 12:45	0° $\underline{\Omega}$					
superior conj	1274 Sep 21 j 21:21	5° $\underline{\Omega}$ 52'02	1°08'33	superior conj	1275 Sep 04 j 00:24	18° $\text{H}$ 02'39	1°31'43
minimum elong	1274 Sep 22 j 02:04	6° $\underline{\Omega}$ 12'22	1°08'00	minimum elong	1275 Sep 04 j 03:56	18° $\text{H}$ 18'41	1°31'25
max. Earth dist.	1274 Sep 29 j 06:32	18° $\underline{\Omega}$ 17'38	1.42725 AU		1275 Sep 10 j 18:30	0° $\underline{\Omega}$	
desc. node	1274 Oct 02 j 15:16	23° $\underline{\Omega}$ 45'07		max. Earth dist.	1275 Sep 11 j 14:21	1° $\underline{\Omega}$ 25'00	1.40866 AU
evening rise	1274 Oct 06 j 03:23	29° $\underline{\Omega}$ 19'12		evening rise	1275 Sep 16 j 08:59	9° $\underline{\Omega}$ 23'59	
	1274 Oct 06 j 13:47	0° $\text{H}$		desc. node	1275 Sep 19 j 12:18	14° $\underline{\Omega}$ 28'26	
	1274 Oct 26 j 20:04	0° $\text{H}$			1275 Sep 29 j 15:02	0° $\text{H}$	
evening max el	1274 Nov 06 j 23:04	13° $\text{H}$ 45'51	21°52'56	evening max el	1275 Oct 20 j 14:26	27° $\text{H}$ 18'08	23°12'01
retrograde	1274 Nov 16 j 03:42	19° $\text{H}$ 14'02			1275 Oct 23 j 12:55	0° $\text{H}$	
evening set	1274 Nov 20 j 12:22	17° $\text{H}$ 30'16		retrograde	1275 Oct 30 j 21:52	3° $\text{H}$ 24'49	
asc. node	1274 Nov 20 j 19:43	17° $\text{H}$ 14'59		evening set	1275 Nov 04 j 19:16	1° $\text{H}$ 23'47	
inferior conj	1274 Nov 25 j 20:46	11° $\text{H}$ 12'35	1°39'54		1275 Nov 06 j 06:15	30° $\text{R}$ $\text{H}$	
minimum elong	1274 Nov 25 j 18:41	11° $\text{H}$ 19'46	1°39'06	asc. node	1275 Nov 07 j 16:46	28° $\text{H}$ 19'26	
min. Earth dist.	1274 Nov 25 j 22:56	11° $\text{H}$ 05'06	0.67706 AU	inferior conj	1275 Nov 10 j 04:07	25° $\text{H}$ 01'20	0°50'34
morning rise	1274 Dec 01 j 00:53	5° $\text{H}$ 00'36		minimum elong	1275 Nov 10 j 02:58	25° $\text{H}$ 05'20	0°50'05
direct	1274 Dec 05 j 22:00	2° $\text{H}$ 56'41		min. Earth dist.	1275 Nov 09 j 19:37	25° $\text{H}$ 30'33	0.67754 AU
morning max el	1274 Dec 15 j 19:00	8° $\text{H}$ 47'43	22°48'19	morning rise	1275 Nov 15 j 10:35	18° $\text{H}$ 52'33	
desc. node	1274 Dec 29 j 14:28	26° $\text{H}$ 04'43		direct	1275 Nov 19 j 17:09	17° $\text{H}$ 11'27	
	1275 Jan 01 j 08:31	0° $\text{B}$		morning max el	1275 Nov 28 j 09:59	22° $\text{H}$ 16'35	21°24'21
morning set	1275 Jan 19 j 01:27	27° $\text{B}$ 22'12			1275 Dec 05 j 00:07	0° $\text{H}$	
	1275 Jan 20 j 15:28	0° $\approx$		desc. node	1275 Dec 16 j 11:33	16° $\text{H}$ 05'05	
max. Earth dist.	1275 Jan 23 j 18:22	5° $\approx$ 16'48	1.40067 AU		1275 Dec 25 j 16:29	0° $\text{B}$	
				morning set	1275 Dec 29 j 16:27	6° $\text{B}$ 15'00	
superior conj	1275 Jan 31 j 12:39	19° $\approx$ 00'15	-1°58'05	max. Earth dist.	1276 Jan 05 j 19:25	17° $\text{B}$ 43'53	1.42097 AU

superior conj	1276 Jan 13 j 05:23	0° $\approx$ 13'50	-2°03'54	superior conj	1276 Dec 23 j 20:20	10° $\approx$ 15'49	-1°54'07
minimum elong	1276 Jan 13 j 04:59	0° $\approx$ 12'07	2°03'54	minimum elong	1276 Dec 23 j 14:43	9° $\approx$ 52'45	1°53'48
	1276 Jan 13 j 02:11	0° $\approx$			1277 Jan 04 j 13:06	0° $\approx$	
evening rise	1276 Jan 24 j 08:40	20° $\approx$ 04'42		evening rise	1277 Jan 05 j 16:43	1° $\approx$ 59'23	
	1276 Jan 29 j 20:41	0° $\approx$		asc. node	1277 Jan 20 j 13:07	26° $\approx$ 09'16	
asc. node	1276 Feb 03 j 16:05	8° $\approx$ 05'59		evening max el	1277 Jan 23 j 10:44	29° $\approx$ 31'37	18°10'51
evening max el	1276 Feb 09 j 22:22	16° $\approx$ 18'42	18°08'58		1277 Jan 23 j 22:25	0° $\approx$	
retrograde	1276 Feb 16 j 16:25	19° $\approx$ 44'47		retrograde	1277 Jan 29 j 22:06	2° $\approx$ 57'04	
evening set	1276 Feb 19 j 07:55	19° $\approx$ 13'34		evening set	1277 Feb 01 j 18:34	2° $\approx$ 15'38	
inferior conj	1276 Feb 26 j 00:53	14° $\approx$ 19'32	3°33'51		1277 Feb 05 j 00:02	30° $\approx$	
minimum elong	1276 Feb 26 j 02:58	14° $\approx$ 14'38	3°33'37	inferior conj	1277 Feb 07 j 23:33	27° $\approx$ 01'25	3°45'56
min. Earth dist.	1276 Feb 29 j 06:38	11° $\approx$ 18'08	0.60751 AU	minimum elong	1277 Feb 07 j 23:35	27° $\approx$ 01'21	3°45'56
morning rise	1276 Mar 03 j 20:10	8° $\approx$ 30'43		min. Earth dist.	1277 Feb 10 j 16:43	24° $\approx$ 08'40	0.62801 AU
direct	1276 Mar 10 j 13:49	6° $\approx$ 18'11		morning rise	1277 Feb 14 j 03:34	21° $\approx$ 00'54	
desc. node	1276 Mar 13 j 10:41	6° $\approx$ 40'46		direct	1277 Feb 21 j 02:53	18° $\approx$ 21'37	
morning max el	1276 Mar 24 j 19:40	14° $\approx$ 10'05	27°39'29	desc. node	1277 Feb 28 j 07:44	20° $\approx$ 44'29	
	1276 Apr 06 j 13:16	0° $\approx$		morning max el	1277 Mar 07 j 01:40	26° $\approx$ 16'31	27°47'22
	1276 Apr 23 j 20:04	0° $\approx$			1277 Mar 10 j 13:11	0° $\approx$	
morning set	1276 Apr 26 j 01:37	4° $\approx$ 32'02			1277 Mar 31 j 02:21	0° $\approx$	
asc. node	1276 May 01 j 15:23	16° $\approx$ 23'20		morning set	1277 Apr 10 j 02:27	18° $\approx$ 49'33	
max. Earth dist.	1276 May 02 j 06:25	17° $\approx$ 45'15	1.32312 AU		1277 Apr 15 j 11:26	0° $\approx$	
				max. Earth dist.	1277 Apr 15 j 13:49	0° $\approx$ 12'46	1.32763 AU
superior conj	1276 May 03 j 07:36	20° $\approx$ 02'56	0°17'39	superior conj	1277 Apr 17 j 16:32	4° $\approx$ 45'21	-0°08'46
minimum elong	1276 May 03 j 06:48	19° $\approx$ 58'34	0°17'29	minimum elong	1277 Apr 17 j 16:57	4° $\approx$ 47'37	0°08'40
	1276 May 07 j 20:48	0° $\approx$		behind sun begin	1277 Apr 17 j 12:33	4° $\approx$ 23'50	
evening rise	1276 May 10 j 04:44	4° $\approx$ 59'52		behind sun end	1277 Apr 17 j 21:21	5° $\approx$ 11'26	
	1276 May 23 j 11:17	0° $\approx$		asc. node	1277 Apr 18 j 12:26	6° $\approx$ 33'04	
evening max el	1276 Jun 05 j 23:27	17° $\approx$ 29'47	25°16'16	evening rise	1277 Apr 24 j 16:34	19° $\approx$ 52'04	
desc. node	1276 Jun 09 j 09:56	20° $\approx$ 26'58			1277 Apr 29 j 15:34	0° $\approx$	
retrograde	1276 Jun 19 j 23:53	24° $\approx$ 38'03		evening max el	1277 May 18 j 13:44	28° $\approx$ 11'49	23°44'28
evening set	1276 Jun 25 j 13:29	23° $\approx$ 26'07			1277 May 20 j 15:35	0° $\approx$	
min. Earth dist.	1276 Jun 30 j 11:17	20° $\approx$ 41'59	0.57801 AU	desc. node	1277 May 27 j 06:57	4° $\approx$ 03'34	
inferior conj	1276 Jul 03 j 14:12	18° $\approx$ 33'24	-4°52'29	retrograde	1277 Jun 01 j 06:58	5° $\approx$ 00'23	
minimum elong	1276 Jul 03 j 13:01	18° $\approx$ 35'27	4°52'26	evening set	1277 Jun 05 j 09:33	4° $\approx$ 23'14	
morning rise	1276 Jul 11 j 15:10	14° $\approx$ 19'16		min. Earth dist.	1277 Jun 12 j 00:24	1° $\approx$ 16'15	0.56114 AU
direct	1276 Jul 14 j 04:23	13° $\approx$ 59'42		inferior conj	1277 Jun 14 j 06:23	29° $\approx$ 11'54	-4°21'01
morning max el	1276 Jul 22 j 20:33	18° $\approx$ 04'07	18°58'18	minimum elong	1277 Jun 14 j 00:13	0° $\approx$ 03'59	4°19'57
asc. node	1276 Jul 28 j 14:38	25° $\approx$ 06'02			1277 Jun 14 j 02:50	30° $\approx$	
	1276 Jul 31 j 16:15	0° $\approx$		morning rise	1277 Jun 22 j 17:35	25° $\approx$ 11'57	13
morning set	1276 Aug 08 j 12:42	14° $\approx$ 40'58		direct	1277 Jun 25 j 10:36	25° $\approx$ 11'38	38
	1276 Aug 16 j 08:00	0° $\approx$			1277 Jul 05 j 04:56	0° $\approx$	
superior conj	1276 Aug 16 j 22:45	1° $\approx$ 10'49	1°43'35	morning max el	1277 Jul 05 j 13:54	0° $\approx$ 20'26	20°01'18
minimum elong	1276 Aug 17 j 00:17	1° $\approx$ 18'13	1°43'31	asc. node	1277 Jul 15 j 11:41	13° $\approx$ 37'12	
max. Earth dist.	1276 Aug 23 j 17:54	13° $\approx$ 14'12	1.38830 AU	morning set	1277 Jul 23 j 16:30	29° $\approx$ 12'41	
evening rise	1276 Aug 27 j 14:49	20° $\approx$ 36'46			1277 Jul 24 j 01:50	0° $\approx$	
	1276 Sep 02 j 05:22	0° $\approx$		superior conj	1277 Jul 31 j 11:11	15° $\approx$ 01'57	1°46'07
desc. node	1276 Sep 05 j 09:18	5° $\approx$ 04'02		minimum elong	1277 Jul 31 j 10:54	15° $\approx$ 00'37	1°46'07
	1276 Sep 22 j 16:55	0° $\approx$		max. Earth dist.	1277 Aug 05 j 22:40	25° $\approx$ 04'47	1.36872 AU
evening max el	1276 Oct 02 j 02:55	10° $\approx$ 53'50	24°31'27		1277 Aug 08 j 05:16	0° $\approx$	
retrograde	1276 Oct 13 j 12:17	17° $\approx$ 33'16		evening rise	1277 Aug 09 j 19:31	2° $\approx$ 55'12	
evening set	1276 Oct 18 j 23:41	15° $\approx$ 15'22		desc. node	1277 Aug 23 j 06:18	25° $\approx$ 11'27	33
min. Earth dist.	1276 Oct 23 j 15:24	9° $\approx$ 55'38	0.67475 AU		1277 Aug 26 j 06:15	0° $\approx$	
inferior conj	1276 Oct 24 j 10:20	8° $\approx$ 52'20	-0°03'01	evening max el	1277 Sep 14 j 14:49	24° $\approx$ 03'11	25°43'52
minimum elong	1276 Oct 24 j 10:24	8° $\approx$ 52'06	0°02'58		1277 Sep 21 j 13:26	0° $\approx$	
transit middle	1276 Oct 24 j 10:24	8° $\approx$ 52'06	0°02'58	retrograde	1277 Sep 26 j 22:02	1° $\approx$ 35'09	
transit begin	1276 Oct 24 j 07:43	9° $\approx$ 01'07			1277 Oct 01 j 17:47	30° $\approx$	
transit end	1276 Oct 24 j 13:06	8° $\approx$ 43'05		evening set	1277 Oct 02 j 23:50	29° $\approx$ 02'38	
asc. node	1276 Oct 24 j 13:50	8° $\approx$ 40'41		min. Earth dist.	1277 Oct 07 j 07:49	24° $\approx$ 18'19	0.66875 AU
morning rise	1276 Oct 29 j 21:12	2° $\approx$ 49'07		inferior conj	1277 Oct 08 j 13:39	22° $\approx$ 04'23	-0°59'24
direct	1276 Nov 02 j 14:45	1° $\approx$ 29'11		minimum elong	1277 Oct 08 j 15:11	22° $\approx$ 03'38	0°58'45
morning max el	1276 Nov 10 j 08:15	5° $\approx$ 55'24	20°10'48	asc. node	1277 Oct 11 j 10:52	19° $\approx$ 15'33	
	1276 Nov 28 j 03:12	0° $\approx$		morning rise	1277 Oct 14 j 06:46	16° $\approx$ 48'31	
desc. node	1276 Dec 02 j 08:35	6° $\approx$ 23'41		direct	1277 Oct 17 j 13:21	15° $\approx$ 46'42	
morning set	1276 Dec 07 j 13:22	14° $\approx$ 22'40		morning max el	1277 Oct 24 j 14:05	19° $\approx$ 04'41	19°11'18
	1276 Dec 17 j 12:09	0° $\approx$			1277 Nov 01 j 16:00	0° $\approx$	
max. Earth dist.	1276 Dec 18 j 03:49	1° $\approx$ 02'38	1.43738 AU				

morning set	1277 Nov 16 j 16:43	22°♄57'55		superior conj	1278 Nov 12 j 11:09	27°♄37'32	-0°41'25
desc. node	1277 Nov 19 j 05:36	26°♄55'16		minimum elong	1278 Nov 12 j 05:48	27°♄16'28	0°40'43
	1277 Nov 21 j 04:56	0°♄		max. Earth dist.	1278 Nov 13 j 13:48	29°♄22'12	1.45112 AU
max. Earth dist.	1277 Nov 30 j 18:52	15°♄01'21	1.44784 AU		1278 Nov 13 j 23:25	0°♄	
				evening rise	1278 Nov 28 j 14:31	22°♄59'56	
superior conj	1277 Dec 03 j 10:06	19°♄11'19	-1°25'34		1278 Dec 03 j 00:55	0°♄	
minimum elong	1277 Dec 03 j 01:26	18°♄36'57	1°24'40	greatest brilliancy	1278 Dec 08 j 09:28	8°♄24'39	-0.8m
	1277 Dec 10 j 04:27	0°♄		evening max el	1278 Dec 21 j 08:25	26°♄21'51	19°09'20
evening rise	1277 Dec 18 j 03:20	12°♄58'03		asc. node	1278 Dec 25 j 07:10	29°♄31'05	
	1277 Dec 28 j 13:14	0°♄			1278 Dec 26 j 09:16	0°♄	
evening max el	1278 Jan 06 j 22:53	12°♄54'16	18°31'21	retrograde	1278 Dec 28 j 07:58	0°♄21'02	
asc. node	1278 Jan 07 j 10:09	13°♄22'11			1278 Dec 30 j 05:36	30°♄	
retrograde	1278 Jan 13 j 12:28	16°♄31'20		evening set	1278 Dec 31 j 16:08	29°♄16'04	
evening set	1278 Jan 16 j 14:16	15°♄38'40		inferior conj	1279 Jan 06 j 06:30	23°♄26'37	3°17'33
inferior conj	1278 Jan 22 j 10:35	10°♄05'44	3°38'46	minimum elong	1279 Jan 06 j 04:05	23°♄34'20	3°17'04
minimum elong	1278 Jan 22 j 09:03	10°♄10'16	3°38'37	min. Earth dist.	1279 Jan 07 j 17:01	21°♄36'57	0.65941 AU
min. Earth dist.	1278 Jan 24 j 12:18	7°♄39'36	0.64563 AU	morning rise	1279 Jan 11 j 15:46	17°♄15'23	
morning rise	1278 Jan 28 j 03:19	3°♄58'28		direct	1279 Jan 18 j 01:53	14°♄26'13	
direct	1278 Feb 03 j 23:13	1°♄07'12		morning max el	1279 Jan 30 j 20:27	21°♄58'27	26°23'04
desc. node	1278 Feb 15 j 04:46	6°♄48'12		desc. node	1279 Feb 02 j 01:48	24°♄18'54	
morning max el	1278 Feb 17 j 10:42	8°♄56'14	27°19'48		1279 Feb 06 j 21:29	0°♄	
	1278 Mar 05 j 21:25	0°♄			1279 Feb 27 j 02:50	0°♄	
	1278 Mar 23 j 10:16	0°♄		morning set	1279 Mar 07 j 23:04	15°♄45'44	
morning set	1278 Mar 24 j 18:49	2°♄37'38		max. Earth dist.	1279 Mar 12 j 01:23	23°♄38'05	1.34991 AU
max. Earth dist.	1278 Mar 29 j 13:06	12°♄11'40	1.33650 AU		1279 Mar 15 j 05:55	0°♄	
superior conj	1278 Apr 01 j 21:14	19°♄10'17	-0°36'14	superior conj	1279 Mar 16 j 19:26	3°♄11'10	-1°03'31
minimum elong	1278 Apr 01 j 23:02	19°♄19'47	0°35'53	minimum elong	1279 Mar 16 j 22:33	3°♄27'09	1°02'58
asc. node	1278 Apr 05 j 09:27	26°♄38'34		asc. node	1279 Mar 23 j 06:29	16°♄35'57	
	1278 Apr 06 j 23:13	0°♄		evening rise	1279 Mar 24 j 12:03	19°♄08'58	
evening rise	1278 Apr 09 j 03:38	4°♄37'05			1279 Mar 29 j 22:52	0°♄	
	1278 Apr 23 j 02:13	0°♄		evening max el	1279 Apr 12 j 07:43	19°♄38'10	20°43'16
evening max el	1278 Apr 30 j 06:17	8°♄40'56	22°09'03	retrograde	1279 Apr 23 j 14:27	25°♄06'32	
retrograde	1278 May 13 j 01:25	14°♄59'10		evening set	1279 Apr 25 j 17:40	24°♄55'33	
desc. node	1278 May 14 j 03:58	14°♄56'25		desc. node	1279 May 01 j 00:59	23°♄06'15	
evening set	1278 May 15 j 20:40	14°♄41'48		inferior conj	1279 May 04 j 23:44	20°♄57'43	-1°08'37
min. Earth dist.	1278 May 24 j 12:15	10°♄59'49	0.55108 AU	minimum elong	1279 May 04 j 20:29	21°♄02'22	1°07'25
inferior conj	1278 May 25 j 05:50	10°♄35'07	-3°02'18	min. Earth dist.	1279 May 06 j 00:51	20°♄21'47	0.55015 AU
minimum elong	1278 May 24 j 22:23	10°♄45'35	3°00'06	morning rise	1279 May 13 j 22:43	16°♄49'29	
morning rise	1278 Jun 03 j 01:44	6°♄41'57		direct	1279 May 17 j 11:11	16°♄22'49	
direct	1278 Jun 06 j 01:14	6°♄22'03		morning max el	1279 May 30 j 15:49	22°♄44'19	23°01'57
morning max el	1278 Jun 17 j 19:45	11°♄52'14	21°24'19		1279 Jun 06 j 01:24	0°♄	
	1278 Jun 30 j 21:30	0°♄		asc. node	1279 Jun 19 j 05:45	22°♄12'00	
asc. node	1278 Jul 02 j 08:43	2°♄41'59		morning set	1279 Jun 22 j 11:51	28°♄52'48	
morning set	1278 Jul 08 j 00:53	13°♄58'31			1279 Jun 23 j 00:38	0°♄	
superior conj	1278 Jul 15 j 09:26	29°♄22'41	1°41'12	superior conj	1279 Jun 29 j 14:23	14°♄03'34	1°30'17
minimum elong	1278 Jul 15 j 07:53	29°♄14'34	1°41'06	minimum elong	1279 Jun 29 j 12:07	13°♄51'27	1°30'02
	1278 Jul 15 j 16:38	0°♄		max. Earth dist.	1279 Jul 02 j 06:49	19°♄44'35	1.33850 AU
max. Earth dist.	1278 Jul 19 j 10:10	7°♄36'50	1.35176 AU	evening rise	1279 Jul 07 j 06:56	29°♄57'22	
evening rise	1278 Jul 23 j 18:24	16°♄06'12			1279 Jul 07 j 07:28	0°♄	
	1278 Jul 31 j 10:46	0°♄			1279 Jul 24 j 11:55	0°♄	
desc. node	1278 Aug 10 j 03:19	15°♄32'09		desc. node	1279 Jul 28 j 00:20	5°♄09'30	
	1278 Aug 20 j 17:33	0°♄		evening max el	1279 Aug 10 j 14:48	21°♄33'53	27°17'23
evening max el	1278 Aug 28 j 03:01	8°♄10'00	26°41'40	retrograde	1279 Aug 24 j 01:25	28°♄52'38	
retrograde	1278 Sep 10 j 02:32	15°♄24'14		evening set	1279 Aug 31 j 02:38	26°♄08'37	
evening set	1278 Sep 16 j 17:41	12°♄41'52		min. Earth dist.	1279 Sep 03 j 20:50	22°♄37'18	0.64609 AU
min. Earth dist.	1278 Sep 20 j 18:22	8°♄34'27	0.65924 AU	inferior conj	1279 Sep 06 j 03:19	20°♄09'23	-2°53'34
inferior conj	1278 Sep 22 j 12:04	6°♄30'42	-1°56'59	minimum elong	1279 Sep 06 j 07:45	19°♄57'20	2°52'04
minimum elong	1278 Sep 22 j 15:09	6°♄21'34	1°55'46	morning rise	1279 Sep 12 j 13:47	14°♄40'55	
asc. node	1278 Sep 28 j 07:55	0°♄54'40		direct	1279 Sep 15 j 05:13	14°♄04'36	
morning rise	1278 Sep 28 j 13:09	0°♄47'24		asc. node	1279 Sep 15 j 04:58	14°♄04'36	
direct	1278 Oct 01 j 10:58	0°♄00'07		morning max el	1279 Sep 21 j 17:19	17°♄32'15	18°01'07
morning max el	1278 Oct 08 j 01:57	3°♄37'54	18°27'46		1279 Sep 30 j 18:46	0°♄	
	1278 Oct 26 j 02:42	0°♄		morning set	1279 Oct 09 j 07:16	14°♄11'56	
morning set	1278 Oct 27 j 21:39	2°♄52'56			1279 Oct 18 j 19:32	0°♄	
desc. node	1278 Nov 06 j 02:38	17°♄35'47					



superior conj	1279 Oct 22 j 21:09	6°♌35'06	0°07'24	asc. node	1280 Sep 01 j 02:01	28°♌48'25	
minimum elong	1279 Oct 22 j 22:02	6°♌38'39	0°07'16		1280 Sep 02 j 21:15	0°♍	
behind sun begin	1279 Oct 22 j 12:35	6°♌00'40		morning max el	1280 Sep 04 j 09:19	1°♍20'26	17°52'09
behind sun end	1279 Oct 23 j 07:29	7°♌16'35		morning set	1280 Sep 20 j 16:37	26°♍39'24	
desc. node	1279 Oct 23 j 23:39	8°♌21'20			1280 Sep 22 j 14:04	0°♎	
max. Earth dist.	1279 Oct 27 j 08:37	13°♌43'25	1.44697 AU				
	1279 Nov 06 j 18:39	0°♏		superior conj	1280 Oct 02 j 07:34	16°♎46'09	0°49'32
evening rise	1279 Nov 08 j 05:45	2°♏15'33		minimum elong	1280 Oct 02 j 11:56	17°♎04'31	0°48'58
greatest brilliancy	1279 Nov 22 j 07:46	23°♏39'31	-0.6m	max. Earth dist.	1280 Oct 09 j 00:19	27°♎46'59	1.43603 AU
	1279 Nov 26 j 17:04	0°♐		desc. node	1280 Oct 09 j 20:42	29°♎08'59	
evening max el	1279 Dec 04 j 13:24	9°♐50'39	20°03'05		1280 Oct 10 j 09:25	0°♑	
retrograde	1279 Dec 12 j 05:39	14°♐20'34		evening rise	1280 Oct 17 j 13:37	11°♑17'37	
asc. node	1279 Dec 12 j 04:13	14°♐20'33			1280 Oct 29 j 22:43	0°♒	
evening set	1279 Dec 15 j 21:46	13°♐01'53		evening max el	1280 Nov 16 j 12:54	23°♒20'38	21°09'59
inferior conj	1279 Dec 21 j 08:26	6°♐58'50	2°45'47	retrograde	1280 Nov 25 j 03:17	28°♒26'57	
minimum elong	1279 Dec 21 j 05:44	7°♐07'51	2°45'02	asc. node	1280 Nov 28 j 01:16	27°♒39'26	
min. Earth dist.	1279 Dec 22 j 05:14	5°♐49'08	0.66921 AU	evening set	1280 Nov 29 j 05:14	26°♒52'59	
morning rise	1279 Dec 26 j 13:31	0°♐45'39		inferior conj	1280 Dec 04 j 14:01	20°♒39'38	2°05'54
	1279 Dec 27 j 11:23	30°♑♏		minimum elong	1280 Dec 04 j 11:36	20°♒47'59	2°05'03
direct	1280 Jan 01 j 10:12	28°♒09'13		min. Earth dist.	1280 Dec 04 j 22:42	20°♒09'44	0.67523 AU
	1280 Jan 06 j 23:36	0°♓		morning rise	1280 Dec 09 j 17:46	14°♒26'27	
morning max el	1280 Jan 13 j 05:18	5°♓11'05	25°06'02	direct	1280 Dec 14 j 23:34	12°♒09'30	
desc. node	1280 Jan 19 j 22:51	12°♓50'42		morning max el	1280 Dec 25 j 13:57	18°♒28'32	23°38'55
	1280 Feb 01 j 08:49	0°♈			1281 Jan 04 j 06:14	0°♓	
morning set	1280 Feb 18 j 10:12	27°♈58'51		desc. node	1281 Jan 05 j 19:55	2°♓06'17	
	1280 Feb 19 j 13:07	0°♉			1281 Jan 24 j 11:49	0°♈	
max. Earth dist.	1280 Feb 22 j 02:25	4°♉41'18	1.36758 AU	morning set	1281 Jan 29 j 22:06	9°♈00'38	
				max. Earth dist.	1281 Feb 02 j 21:14	15°♈52'08	1.38831 AU
superior conj	1280 Feb 28 j 08:11	16°♉39'00	-1°28'50				
minimum elong	1280 Feb 28 j 12:13	16°♉58'50	1°28'17	superior conj	1281 Feb 10 j 07:45	29°♈24'30	-1°49'34
	1280 Mar 05 j 23:54	0°♊		minimum elong	1281 Feb 10 j 11:39	29°♈42'48	1°49'14
evening rise	1280 Mar 07 j 15:34	3°♊20'04			1281 Feb 10 j 15:18	0°♋	
asc. node	1280 Mar 09 j 03:31	6°♊19'55		evening rise	1281 Feb 19 j 11:33	17°♋03'34	
	1280 Mar 23 j 15:58	0°♌		asc. node	1281 Feb 24 j 00:34	25°♋45'19	
evening max el	1280 Mar 24 j 20:46	1°♌13'41	19°34'35		1281 Feb 26 j 08:34	0°♍	
retrograde	1280 Apr 03 j 10:17	5°♌50'13		evening max el	1281 Mar 07 j 20:19	13°♍27'20	18°45'37
evening set	1280 Apr 05 j 12:02	5°♌38'10		retrograde	1281 Mar 15 j 22:29	17°♍23'22	
inferior conj	1280 Apr 14 j 02:45	1°♌33'47	0°47'51	evening set	1281 Mar 18 j 05:23	17°♍05'43	
minimum elong	1280 Apr 14 j 04:46	1°♌30'36	0°47'09	inferior conj	1281 Mar 26 j 00:43	12°♍44'37	2°18'51
min. Earth dist.	1280 Apr 16 j 15:17	29°♍57'44	0.55866 AU	minimum elong	1281 Mar 26 j 04:50	12°♍36'58	2°17'43
desc. node	1280 Apr 16 j 22:00	29°♍47'22		min. Earth dist.	1281 Mar 29 j 08:18	10°♍18'28	0.57481 AU
	1280 Apr 16 j 13:49	30°♎♍		morning rise	1281 Apr 03 j 01:11	7°♍31'57	
morning rise	1280 Apr 22 j 18:49	26°♍54'19		desc. node	1281 Apr 03 j 19:04	7°♍13'18	
direct	1280 Apr 27 j 05:34	26°♍09'49		direct	1281 Apr 08 j 14:11	6°♍16'34	
	1280 May 07 j 10:28	0°♎		morning max el	1281 Apr 22 j 22:28	13°♍48'16	26°13'29
morning max el	1280 May 11 j 06:48	3°♎14'17	24°43'21		1281 May 05 j 18:18	0°♏	
	1280 May 30 j 01:25	0°♐		morning set	1281 May 21 j 10:55	28°♎44'34	
asc. node	1280 Jun 05 j 02:48	12°♐00'16			1281 May 22 j 01:12	0°♑	
morning set	1280 Jun 05 j 23:45	13°♐50'07		asc. node	1281 May 22 j 23:51	2°♑00'42	
superior conj	1280 Jun 12 j 23:33	28°♐56'44	1°14'33	superior conj	1281 May 28 j 10:52	13°♑54'51	0°54'52
minimum elong	1280 Jun 12 j 21:07	28°♐43'31	1°14'11	minimum elong	1281 May 28 j 08:45	13°♑43'15	0°54'29
	1280 Jun 13 j 11:11	0°♒		max. Earth dist.	1281 May 28 j 22:19	14°♑57'41	1.32390 AU
max. Earth dist.	1280 Jun 14 j 11:47	2°♒13'14	1.32922 AU	evening rise	1281 Jun 04 j 10:18	28°♑57'12	
evening rise	1280 Jun 20 j 05:16	14°♒17'43			1281 Jun 04 j 22:23	0°♓	
	1280 Jun 28 j 09:24	0°♓			1281 Jun 21 j 15:10	0°♌	
desc. node	1280 Jul 13 j 21:20	24°♓08'17		desc. node	1281 Jun 30 j 18:22	12°♓11'52	
	1280 Jul 18 j 16:05	0°♍		evening max el	1281 Jul 05 j 05:51	16°♓55'14	26°59'24
evening max el	1280 Jul 23 j 00:33	4°♍33'13	27°24'42	retrograde	1281 Jul 19 j 04:07	24°♓10'08	
retrograde	1280 Aug 05 j 18:24	11°♍51'20		evening set	1281 Jul 26 j 03:43	22°♓00'20	
evening set	1280 Aug 12 j 23:26	9°♍17'32		min. Earth dist.	1281 Jul 29 j 20:05	19°♓19'30	0.61005 AU
min. Earth dist.	1280 Aug 16 j 13:36	6°♍17'05	0.62944 AU	inferior conj	1281 Aug 02 j 00:53	16°♓34'44	-4°28'11
inferior conj	1280 Aug 19 j 08:42	3°♍33'39	-3°45'46	minimum elong	1281 Aug 02 j 05:21	16°♓25'07	4°27'27
minimum elong	1280 Aug 19 j 13:51	3°♍21'05	3°44'25	morning rise	1281 Aug 09 j 08:44	11°♓45'01	
	1280 Aug 23 j 09:12	30°♎♌		direct	1281 Aug 11 j 19:10	11°♓21'16	
morning rise	1280 Aug 26 j 05:36	28°♓23'11		asc. node	1281 Aug 18 j 23:05	14°♓54'32	
direct	1280 Aug 28 j 17:12	27°♓54'30		morning max el	1281 Aug 18 j 22:50	14°♓53'54	18°01'53

	1281 Aug 29 j 08:36	0° $\mathbb{M}$			1282 Aug 04 j 02:44	0° $\mathcal{O}$	
morning set	1281 Sep 03 j 19:29	9° $\mathbb{M}$ 56'47		asc. node	1282 Aug 05 j 20:08	2° $\mathcal{O}$ 08'00	
				morning set	1282 Aug 18 j 10:49	23° $\mathcal{O}$ 50'29	
superior conj	1281 Sep 13 j 20:50	28° $\mathbb{M}$ 15'44	1°19'51		1282 Aug 21 j 15:21	0° $\mathbb{M}$	
minimum elong	1281 Sep 14 j 01:14	28° $\mathbb{M}$ 35'10	1°19'24				
	1281 Sep 14 j 20:31	0° $\mathcal{O}$		superior conj	1282 Aug 27 j 08:43	10° $\mathbb{M}$ 52'18	1°38'01
max. Earth dist.	1281 Sep 21 j 11:04	11° $\mathcal{O}$ 17'35	1.41972 AU	minimum elong	1282 Aug 27 j 11:25	11° $\mathbb{M}$ 04'55	1°37'50
desc. node	1281 Sep 26 j 17:43	19° $\mathcal{O}$ 54'49		max. Earth dist.	1282 Sep 03 j 16:57	24° $\mathbb{M}$ 06'35	1.40013 AU
evening rise	1281 Sep 27 j 07:28	20° $\mathcal{O}$ 49'47			1282 Sep 07 j 03:28	0° $\mathcal{O}$	
	1281 Oct 03 j 04:05	0° $\mathbb{M}$		evening rise	1282 Sep 07 j 23:09	1° $\mathcal{O}$ 22'42	
	1281 Oct 24 j 07:07	0° $\mathcal{O}$		desc. node	1282 Sep 13 j 14:43	10° $\mathcal{O}$ 35'15	
evening max el	1281 Oct 30 j 06:59	6° $\mathcal{O}$ 51'59	22°26'10		1282 Sep 26 j 12:52	0° $\mathbb{M}$	
retrograde	1281 Nov 08 j 23:00	12° $\mathcal{O}$ 36'46		evening max el	1282 Oct 12 j 20:59	20° $\mathbb{M}$ 25'57	23°46'13
evening set	1281 Nov 13 j 12:49	10° $\mathcal{O}$ 45'59		retrograde	1282 Oct 23 j 15:31	26° $\mathbb{M}$ 46'47	
asc. node	1281 Nov 14 j 22:19	9° $\mathcal{O}$ 27'21		evening set	1282 Oct 28 j 18:50	24° $\mathbb{M}$ 38'29	
inferior conj	1281 Nov 18 j 21:15	4° $\mathcal{O}$ 25'58	1°19'36	asc. node	1282 Nov 01 j 19:22	20° $\mathbb{M}$ 06'55	
minimum elong	1281 Nov 18 j 19:31	4° $\mathcal{O}$ 31'57	1°18'54	min. Earth dist.	1282 Nov 02 j 15:25	18° $\mathbb{M}$ 59'26	0.67680 AU
min. Earth dist.	1281 Nov 18 j 18:54	4° $\mathcal{O}$ 34'05	0.67769 AU	inferior conj	1282 Nov 03 j 04:19	18° $\mathbb{M}$ 15'33	0°28'17
	1281 Nov 22 j 07:26	30° $\mathbb{M}$		minimum elong	1282 Nov 03 j 03:38	18° $\mathbb{M}$ 17'50	0°28'00
morning rise	1281 Nov 24 j 02:05	28° $\mathbb{M}$ 14'56		morning rise	1282 Nov 08 j 12:25	12° $\mathbb{M}$ 08'58	
direct	1281 Nov 28 j 16:58	26° $\mathbb{M}$ 20'30		direct	1282 Nov 12 j 13:20	10° $\mathbb{M}$ 37'01	
	1281 Dec 06 j 02:15	0° $\mathcal{O}$		morning max el	1282 Nov 20 j 19:15	15° $\mathbb{M}$ 23'55	20°51'32
morning max el	1281 Dec 08 j 01:26	1° $\mathcal{O}$ 51'28	22°11'34		1282 Dec 02 j 08:28	0° $\mathcal{O}$	
desc. node	1281 Dec 23 j 16:59	21° $\mathcal{O}$ 53'02		desc. node	1282 Dec 10 j 14:01	12° $\mathcal{O}$ 01'50	
	1281 Dec 29 j 05:43	0° $\mathcal{O}$		morning set	1282 Dec 20 j 10:18	27° $\mathcal{O}$ 04'45	
morning set	1282 Jan 10 j 05:23	18° $\mathcal{O}$ 38'44			1282 Dec 22 j 07:03	0° $\mathcal{O}$	
max. Earth dist.	1282 Jan 15 j 18:21	27° $\mathcal{O}$ 46'50	1.40964 AU	max. Earth dist.	1282 Dec 28 j 23:01	10° $\mathcal{O}$ 39'00	1.42860 AU
	1282 Jan 17 j 01:53	0° $\approx$					
superior conj	1282 Jan 23 j 13:21	11° $\approx$ 16'04	-2°02'08	superior conj	1283 Jan 04 j 19:33	22° $\mathcal{O}$ 00'08	-2°01'56
minimum elong	1282 Jan 23 j 15:14	11° $\approx$ 24'27	2°02'06	minimum elong	1283 Jan 04 j 17:01	21° $\mathcal{O}$ 49'26	2°01'52
evening rise	1282 Feb 02 j 20:48	0° $\mathcal{H}$ 11'55			1283 Jan 09 j 11:42	0° $\approx$	
	1282 Feb 02 j 18:15	0° $\mathcal{H}$		evening rise	1283 Jan 16 j 15:19	12° $\approx$ 36'01	
asc. node	1282 Feb 10 j 21:37	14° $\mathcal{H}$ 45'50			1283 Jan 26 j 16:26	0° $\mathcal{H}$	
evening max el	1282 Feb 19 j 03:22	26° $\mathcal{H}$ 11'21	18°16'40	asc. node	1283 Jan 28 j 18:40	3° $\mathcal{H}$ 12'48	
retrograde	1282 Feb 26 j 05:37	29° $\mathcal{H}$ 43'33		evening max el	1283 Feb 02 j 14:37	9° $\mathcal{H}$ 15'40	18°07'23
evening set	1282 Feb 28 j 18:18	29° $\mathcal{H}$ 17'35		retrograde	1283 Feb 09 j 04:32	12° $\mathcal{H}$ 39'50	
inferior conj	1282 Mar 07 j 19:51	24° $\mathcal{H}$ 35'35	3°15'27	evening set	1283 Feb 11 j 22:13	12° $\mathcal{H}$ 04'15	
minimum elong	1282 Mar 07 j 23:05	24° $\mathcal{H}$ 28'36	3°14'53	inferior conj	1283 Feb 18 j 09:36	7° $\mathcal{H}$ 01'10	3°41'43
min. Earth dist.	1282 Mar 11 j 05:45	21° $\mathcal{H}$ 40'05	0.59526 AU	minimum elong	1283 Feb 18 j 10:47	6° $\mathcal{H}$ 58'13	3°41'39
morning rise	1282 Mar 15 j 01:31	18° $\mathcal{H}$ 57'33		min. Earth dist.	1283 Feb 21 j 10:29	4° $\mathcal{H}$ 01'08	0.61650 AU
direct	1282 Mar 21 j 11:35	17° $\mathcal{H}$ 05'09		morning rise	1283 Feb 24 j 21:57	1° $\mathcal{H}$ 06'42	
desc. node	1282 Mar 21 j 16:07	17° $\mathcal{H}$ 05'15			1283 Feb 26 j 17:39	30° $\mathbb{R}$ $\approx$	
morning max el	1282 Apr 04 j 19:14	24° $\mathcal{H}$ 51'09	27°17'58	direct	1283 Mar 03 j 19:10	28° $\approx$ 41'34	
	1282 Apr 09 j 12:36	0° $\mathcal{Y}$		desc. node	1283 Mar 08 j 13:10	29° $\approx$ 43'40	
	1282 Apr 28 j 23:59	0° $\mathcal{O}$			1283 Mar 09 j 03:54	0° $\mathcal{H}$	
morning set	1282 May 05 j 19:41	13° $\mathcal{O}$ 30'29		morning max el	1283 Mar 17 j 22:22	6° $\mathcal{H}$ 34'46	27°47'28
asc. node	1282 May 09 j 20:54	22° $\mathcal{O}$ 08'29			1283 Apr 04 j 15:46	0° $\mathcal{Y}$	
				morning set	1283 Apr 20 j 00:03	28° $\mathcal{Y}$ 00'21	
superior conj	1282 May 12 j 22:37	28° $\mathcal{O}$ 51'50	0°32'01		1283 Apr 20 j 23:19	0° $\mathcal{O}$	
minimum elong	1282 May 12 j 21:15	28° $\mathcal{O}$ 44'16	0°31'43	max. Earth dist.	1283 Apr 25 j 21:28	10° $\mathcal{O}$ 27'18	1.32462 AU
max. Earth dist.	1282 May 12 j 10:51	27° $\mathcal{O}$ 47'10	1.32237 AU	asc. node	1283 Apr 26 j 17:56	12° $\mathcal{O}$ 18'27	
	1282 May 13 j 11:01	0° $\mathbb{I}$					
evening rise	1282 May 19 j 19:36	13° $\mathbb{I}$ 47'40		superior conj	1283 Apr 27 j 09:03	13° $\mathcal{O}$ 40'48	0°06'40
	1282 May 28 j 00:01	0° $\mathcal{O}$		minimum elong	1283 Apr 27 j 08:45	13° $\mathcal{O}$ 39'07	0°06'36
evening max el	1282 Jun 17 j 04:29	28° $\mathcal{O}$ 31'41	26°01'40	behind sun begin	1283 Apr 27 j 04:04	13° $\mathcal{O}$ 13'37	
desc. node	1282 Jun 17 j 15:22	28° $\mathcal{O}$ 57'15		behind sun end	1283 Apr 27 j 13:25	14° $\mathcal{O}$ 04'38	
	1282 Jun 18 j 19:20	0° $\mathcal{O}$		evening rise	1283 May 04 j 07:02	28° $\mathcal{O}$ 40'54	
retrograde	1282 Jul 01 j 04:50	5° $\mathcal{O}$ 42'27			1283 May 04 j 22:00	0° $\mathbb{I}$	
evening set	1282 Jul 07 j 10:46	4° $\mathcal{O}$ 08'05			1283 May 21 j 20:37	0° $\mathcal{O}$	
min. Earth dist.	1282 Jul 11 j 17:07	1° $\mathcal{O}$ 30'27	0.58950 AU	evening max el	1283 May 29 j 20:28	9° $\mathcal{O}$ 24'38	24°38'29
	1282 Jul 13 j 18:05	30° $\mathbb{R}$ $\mathcal{O}$		desc. node	1283 Jun 04 j 12:22	13° $\mathcal{O}$ 52'59	
inferior conj	1282 Jul 15 j 00:17	29° $\mathcal{O}$ 03'05	-4°52'01	retrograde	1283 Jun 12 j 18:45	16° $\mathcal{O}$ 27'40	
minimum elong	1282 Jul 15 j 01:49	29° $\mathcal{O}$ 00'12	4°51'56	evening set	1283 Jun 17 j 18:19	15° $\mathcal{O}$ 31'39	
morning rise	1282 Jul 22 j 19:03	24° $\mathcal{O}$ 36'02		min. Earth dist.	1283 Jun 23 j 07:37	12° $\mathcal{O}$ 39'37	0.57029 AU
direct	1282 Jul 25 j 06:55	24° $\mathcal{O}$ 15'10		inferior conj	1283 Jun 26 j 03:54	10° $\mathcal{O}$ 49'13	-4°44'38
morning max el	1282 Aug 02 j 06:43	28° $\mathcal{O}$ 04'20	18°31'39	minimum elong	1283 Jun 26 j 00:27	10° $\mathcal{O}$ 54'50	4°44'19
				morning rise	1283 Jul 04 j 09:19	6° $\mathcal{O}$ 43'27	

direct	1283 Jul 07 j 00:12	6°☿24'21		direct	1284 Jun 16 j 22:24	17°♄39'10	
morning max el	1283 Jul 16 j 06:02	10°☿42'31	19°22'34	morning max el	1284 Jun 27 j 18:35	22°♄40'17	20°34'29
asc. node	1283 Jul 23 j 17:11	20°☿14'05			1284 Jul 04 j 00:02	0°☿	
	1283 Jul 29 j 06:32	0°♁		asc. node	1284 Jul 09 j 14:12	9°☿00'23	
morning set	1283 Aug 02 j 10:53	8°♁10'21		morning set	1284 Jul 16 j 16:52	22°☿48'28	
					1284 Jul 20 j 04:28	0°♁	
superior conj	1283 Aug 10 j 13:37	24°♁20'22	1°45'41	superior conj	1284 Jul 24 j 06:40	8°♁25'25	1°44'50
minimum elong	1283 Aug 10 j 14:21	24°♁23'55	1°45'40	minimum elong	1284 Jul 24 j 05:47	8°♁20'54	1°44'49
	1283 Aug 13 j 12:02	0°♄		max. Earth dist.	1284 Jul 29 j 03:20	18°♁06'37	1.36102 AU
max. Earth dist.	1283 Aug 16 j 20:36	6°♄16'42	1.37974 AU	evening rise	1284 Aug 02 j 04:03	25°♁45'52	
evening rise	1283 Aug 20 j 15:06	13°♄03'56			1284 Aug 04 j 11:42	0°♄	
	1283 Aug 30 j 18:49	0°♂		desc. node	1284 Aug 17 j 08:43	21°♄22'28	
desc. node	1283 Aug 31 j 11:43	1°♂06'19			1284 Aug 23 j 06:11	0°♂	
	1283 Sep 21 j 13:14	0°♌		evening max el	1284 Sep 06 j 20:37	17°♂41'15	26°10'43
evening max el	1283 Sep 25 j 08:55	4°♌03'11	25°03'33	retrograde	1284 Sep 19 j 11:40	24°♂50'33	
retrograde	1283 Oct 07 j 03:57	10°♌53'23		evening set	1284 Sep 25 j 19:23	22°♂12'48	
evening set	1283 Oct 12 j 21:39	8°♌28'34		min. Earth dist.	1284 Sep 30 j 00:05	17°♂44'12	0.66506 AU
min. Earth dist.	1283 Oct 17 j 09:55	3°♌24'00	0.67260 AU	inferior conj	1284 Oct 01 j 10:56	15°♂56'14	-1°23'50
inferior conj	1283 Oct 18 j 09:29	2°♌06'42	-0°26'41	minimum elong	1284 Oct 01 j 13:07	15°♂49'28	1°22'55
minimum elong	1283 Oct 18 j 10:09	2°♌04'31	0°26'23	asc. node	1284 Oct 05 j 13:27	11°♂23'20	
asc. node	1283 Oct 19 j 16:24	0°♌26'42		morning rise	1284 Oct 07 j 07:16	10°♂06'05	
	1283 Oct 20 j 00:57	30°♋♂		direct	1284 Oct 10 j 09:43	9°♂11'06	
morning rise	1283 Oct 23 j 22:49	26°♂07'00		morning max el	1284 Oct 17 j 05:39	12°♂59'03	18°50'49
direct	1283 Oct 27 j 11:26	24°♂55'17			1284 Oct 29 j 16:12	0°♌	
morning max el	1283 Nov 03 j 20:57	29°♂07'36	19°43'44	morning set	1284 Nov 07 j 19:37	14°♌20'46	
	1283 Nov 04 j 17:04	0°♌		desc. node	1284 Nov 13 j 08:01	23°♌02'04	
greatest brilliancy	1283 Nov 17 j 06:23	16°♌56'03	-0.7m		1284 Nov 17 j 18:26	0°♌	
	1283 Nov 25 j 20:55	0°♌		max. Earth dist.	1284 Nov 23 j 03:33	8°♌26'55	1.45007 AU
desc. node	1283 Nov 27 j 11:01	2°♌26'35					
morning set	1283 Nov 29 j 06:52	5°♌15'44		superior conj	1284 Nov 24 j 05:07	10°♌07'28	-1°08'14
max. Earth dist.	1283 Dec 11 j 10:59	24°♌18'38	1.44261 AU	minimum elong	1284 Nov 23 j 21:05	9°♌35'51	1°07'17
	1283 Dec 15 j 00:25	0°♍			1284 Dec 06 j 17:27	0°♍	
superior conj	1283 Dec 15 j 23:08	1°♍31'28	-1°44'20	evening rise	1284 Dec 09 j 15:23	4°♍41'42	
minimum elong	1283 Dec 15 j 15:36	1°♍01'06	1°43'44		1284 Dec 25 j 18:11	0°♍	
evening rise	1283 Dec 29 j 14:46	24°♍08'09		evening max el	1284 Dec 30 j 14:24	5°♍57'54	18°45'29
	1284 Jan 02 j 01:46	0°♍		asc. node	1285 Jan 01 j 12:44	7°♍43'34	
asc. node	1284 Jan 15 j 15:42	20°♍56'22		retrograde	1285 Jan 06 j 07:32	9°♍43'32	
evening max el	1284 Jan 17 j 03:09	22°♍33'17	18°17'16	evening set	1285 Jan 09 j 11:45	8°♍45'59	
retrograde	1284 Jan 23 j 14:34	26°♍02'37		inferior conj	1285 Jan 15 j 05:16	3°♍05'50	3°31'15
evening set	1284 Jan 26 j 13:08	25°♍16'36		minimum elong	1285 Jan 15 j 03:16	3°♍11'56	3°30'58
inferior conj	1284 Feb 01 j 14:03	19°♍53'58	3°44'55	min. Earth dist.	1285 Jan 17 j 00:28	0°♍54'05	0.65194 AU
minimum elong	1284 Feb 01 j 13:20	19°♍55'58	3°44'52	morning rise	1285 Jan 17 j 18:48	30°♋♂	
min. Earth dist.	1284 Feb 04 j 00:40	17°♍10'53	0.63589 AU	direct	1285 Jan 20 j 18:21	26°♂56'22	
morning rise	1284 Feb 07 j 12:45	13°♍49'50			1285 Jan 27 j 10:40	24°♂04'09	
direct	1284 Feb 14 j 11:21	11°♍03'51			1285 Feb 07 j 18:47	0°♍	
desc. node	1284 Feb 23 j 10:13	14°♍42'58		desc. node	1285 Feb 09 j 07:15	1°♍26'51	
morning max el	1284 Feb 28 j 06:17	18°♍57'47	27°39'43	morning max el	1285 Feb 09 j 15:58	1°♍48'34	26°58'43
	1284 Mar 08 j 15:08	0°♋			1285 Mar 02 j 18:43	0°♋	
	1284 Mar 27 j 13:27	0°♎		morning set	1285 Mar 17 j 09:28	25°♋39'42	
morning set	1284 Apr 02 j 21:41	12°♎06'41			1285 Mar 19 j 14:55	0°♎	
max. Earth dist.	1284 Apr 08 j 02:00	22°♎44'25	1.33092 AU	max. Earth dist.	1285 Mar 21 j 20:42	4°♎28'36	1.34159 AU
superior conj	1284 Apr 10 j 16:25	28°♎16'19	-0°20'21	superior conj	1285 Mar 25 j 18:42	12°♎32'06	-0°47'56
minimum elong	1284 Apr 10 j 17:25	28°♎21'39	0°20'08	minimum elong	1285 Mar 25 j 21:05	12°♎44'32	0°47'28
	1284 Apr 11 j 11:44	0°♏		asc. node	1285 Mar 30 j 12:01	22°♎29'28	
asc. node	1284 Apr 12 j 14:58	2°♏26'45		evening rise	1285 Apr 02 j 04:57	28°♎10'47	
evening rise	1284 Apr 17 j 18:46	13°♏30'36			1285 Apr 03 j 02:00	0°♏	
	1284 Apr 26 j 03:31	0°♐			1285 Apr 21 j 15:25	0°♐	
evening max el	1284 May 10 j 10:31	19°♐55'34	23°03'14	evening max el	1285 Apr 22 j 06:20	0°♐36'58	21°30'52
desc. node	1284 May 21 j 09:24	26°♐22'54		retrograde	1285 May 04 j 11:44	6°♐35'22	
retrograde	1284 May 23 j 20:29	26°♐36'43		evening set	1285 May 06 j 21:41	6°♐22'08	
evening set	1284 May 27 j 08:24	26°♐09'53		desc. node	1285 May 08 j 06:27	6°♐03'33	
min. Earth dist.	1284 Jun 03 j 19:47	22°♐49'26	0.55586 AU	inferior conj	1285 May 16 j 07:32	2°♐21'21	-2°16'47
inferior conj	1284 Jun 05 j 12:00	21°♐51'00	-3°53'14	minimum elong	1285 May 16 j 01:20	2°♐30'01	2°14'43
minimum elong	1284 Jun 05 j 04:35	22°♐01'49	3°51'32	min. Earth dist.	1285 May 16 j 08:17	2°♐20'17	0.54946 AU
morning rise	1284 Jun 14 j 03:19	17°♐57'44			1285 May 20 j 18:07	30°♋♂	

morning rise	1285 May 25 j 05:40	28° $\text{C}$ 23'48		min. Earth dist.	1286 Apr 27 j 21:37	11° $\text{C}$ 44'02	0.55269 AU
direct	1285 May 28 j 09:25	28° $\text{C}$ 02'02		morning rise	1286 May 05 j 01:00	8° $\text{C}$ 25'58	
	1285 Jun 04 j 13:18	0° $\text{II}$		direct	1286 May 08 j 22:17	7° $\text{C}$ 53'03	
morning max el	1285 Jun 09 j 20:04	3° $\text{II}$ 55'09	22°04'32	morning max el	1286 May 22 j 13:07	14° $\text{C}$ 34'31	23°45'19
asc. node	1285 Jun 26 j 11:15	28° $\text{II}$ 17'10			1286 Jun 03 j 13:52	0° $\text{II}$	
	1285 Jun 27 j 08:19	0° $\text{C}$		asc. node	1286 Jun 13 j 08:18	17° $\text{II}$ 55'42	
morning set	1285 Jul 01 j 02:36	7° $\text{C}$ 38'56		morning set	1286 Jun 15 j 14:11	22° $\text{II}$ 35'09	
					1286 Jun 19 j 01:28	0° $\text{C}$	
superior conj	1285 Jul 08 j 08:11	22° $\text{C}$ 56'29	1°37'13				
minimum elong	1285 Jul 08 j 06:15	22° $\text{C}$ 46'19	1°37'04	superior conj	1286 Jun 22 j 15:12	7° $\text{C}$ 43'23	1°24'09
	1285 Jul 11 j 17:44	0° $\text{C}$		minimum elong	1286 Jun 22 j 12:48	7° $\text{C}$ 30'26	1°23'50
max. Earth dist.	1285 Jul 11 j 18:26	0° $\text{C}$ 03'37	1.34562 AU	max. Earth dist.	1286 Jun 24 j 19:03	12° $\text{C}$ 21'05	1.33414 AU
evening rise	1285 Jul 16 j 09:22	9° $\text{C}$ 16'22		evening rise	1286 Jun 30 j 02:33	23° $\text{C}$ 21'31	
	1285 Jul 27 j 23:30	0° $\text{C}$			1286 Jul 03 j 11:50	0° $\text{C}$	
desc. node	1285 Aug 04 j 05:45	11° $\text{C}$ 16'57			1286 Jul 21 j 15:24	0° $\text{C}$	
	1285 Aug 19 j 02:39	0° $\text{C}$		desc. node	1286 Jul 22 j 02:48	0° $\text{C}$ 39'27	
evening max el	1285 Aug 20 j 08:51	1° $\text{C}$ 14'26	27°00'00	evening max el	1286 Aug 02 j 20:18	14° $\text{C}$ 30'12	27°24'17
retrograde	1285 Sep 02 j 14:03	8° $\text{C}$ 31'53		retrograde	1286 Aug 16 j 10:22	21° $\text{C}$ 48'20	
evening set	1285 Sep 09 j 09:49	5° $\text{C}$ 47'46		evening set	1286 Aug 23 j 14:02	19° $\text{C}$ 07'27	
min. Earth dist.	1285 Sep 13 j 07:37	1° $\text{C}$ 55'44	0.65406 AU	min. Earth dist.	1286 Aug 27 j 06:15	15° $\text{C}$ 49'54	0.63945 AU
inferior conj	1285 Sep 15 j 06:38	29° $\text{C}$ 40'54	-2°21'17	inferior conj	1286 Aug 29 j 18:05	13° $\text{C}$ 14'26	-3°16'31
minimum elong	1285 Sep 15 j 10:20	29° $\text{C}$ 30'18	2°19'54	minimum elong	1286 Aug 29 j 22:56	13° $\text{C}$ 01'48	3°15'00
	1285 Sep 15 j 00:00	30° $\text{C}$		morning rise	1286 Sep 05 j 08:51	7° $\text{C}$ 52'53	
morning rise	1285 Sep 21 j 11:33	24° $\text{C}$ 03'19		direct	1286 Sep 07 j 22:24	7° $\text{C}$ 20'04	
asc. node	1285 Sep 22 j 10:28	23° $\text{C}$ 39'26		asc. node	1286 Sep 09 j 07:31	7° $\text{C}$ 29'43	
direct	1285 Sep 24 j 06:16	23° $\text{C}$ 21'11		morning max el	1286 Sep 14 j 11:15	10° $\text{C}$ 45'59	17°55'01
morning max el	1285 Sep 30 j 19:19	26° $\text{C}$ 53'59	18°14'15		1286 Sep 27 j 11:39	0° $\text{C}$	
	1285 Oct 03 j 12:27	0° $\text{C}$		morning set	1286 Oct 01 j 09:35	6° $\text{C}$ 43'06	
morning set	1285 Oct 19 j 13:02	24° $\text{C}$ 52'24					
	1285 Oct 22 j 16:17	0° $\text{C}$		superior conj	1286 Oct 14 j 02:35	28° $\text{C}$ 05'05	0°26'33
desc. node	1285 Oct 31 j 05:03	13° $\text{C}$ 44'54		minimum elong	1286 Oct 14 j 05:26	28° $\text{C}$ 16'45	0°26'10
					1286 Oct 15 j 06:48	0° $\text{C}$	
superior conj	1285 Nov 03 j 07:20	18° $\text{C}$ 39'39	-0°20'31	desc. node	1286 Oct 18 j 02:06	4° $\text{C}$ 31'36	
minimum elong	1285 Nov 03 j 04:40	18° $\text{C}$ 29'09	0°20'09	max. Earth dist.	1286 Oct 19 j 16:29	7° $\text{C}$ 05'02	1.44314 AU
max. Earth dist.	1285 Nov 05 j 22:20	22° $\text{C}$ 48'10	1.45025 AU	evening rise	1286 Oct 30 j 03:10	23° $\text{C}$ 25'29	
	1285 Nov 10 j 12:27	0° $\text{C}$			1286 Nov 03 j 10:13	0° $\text{C}$	
evening rise	1285 Nov 19 j 17:02	14° $\text{C}$ 20'27			1286 Nov 24 j 10:00	0° $\text{C}$	
	1285 Nov 29 j 19:16	0° $\text{C}$		evening max el	1286 Nov 27 j 01:02	2° $\text{C}$ 55'48	20°30'13
greatest brilliancy	1285 Dec 01 j 15:24	2° $\text{C}$ 48'26	-0.7m	retrograde	1286 Dec 05 j 01:56	7° $\text{C}$ 40'10	
evening max el	1285 Dec 13 j 22:14	19° $\text{C}$ 26'06	19°30'31	asc. node	1286 Dec 06 j 06:48	7° $\text{C}$ 32'01	
asc. node	1285 Dec 19 j 09:47	23° $\text{C}$ 20'03		evening set	1286 Dec 08 j 22:06	6° $\text{C}$ 15'02	
retrograde	1285 Dec 21 j 04:08	23° $\text{C}$ 37'14		inferior conj	1286 Dec 14 j 07:46	0° $\text{C}$ 07'19	2°29'43
evening set	1285 Dec 24 j 15:27	22° $\text{C}$ 26'44		minimum elong	1286 Dec 14 j 05:07	0° $\text{C}$ 16'17	2°28'54
inferior conj	1285 Dec 30 j 04:02	16° $\text{C}$ 31'25	3°05'11		1286 Dec 14 j 09:55	30° $\text{C}$	
minimum elong	1285 Dec 30 j 01:25	16° $\text{C}$ 39'56	3°04'34	min. Earth dist.	1286 Dec 14 j 23:12	29° $\text{C}$ 14'50	0.67225 AU
min. Earth dist.	1285 Dec 31 j 08:36	14° $\text{C}$ 58'20	0.66408 AU	morning rise	1286 Dec 19 j 11:59	23° $\text{C}$ 54'11	
morning rise	1286 Jan 04 j 11:09	10° $\text{C}$ 19'12		direct	1286 Dec 25 j 02:31	21° $\text{C}$ 25'28	
direct	1286 Jan 10 j 16:00	7° $\text{C}$ 34'03		morning max el	1287 Jan 05 j 09:33	28° $\text{C}$ 09'30	24°29'39
morning max el	1286 Jan 23 j 01:09	14° $\text{C}$ 55'03	25°52'06		1287 Jan 07 j 03:42	0° $\text{C}$	
desc. node	1286 Jan 27 j 04:17	19° $\text{C}$ 25'33		desc. node	1287 Jan 14 j 01:20	8° $\text{C}$ 17'35	
	1286 Feb 04 j 10:20	0° $\text{C}$			1287 Jan 29 j 04:02	0° $\text{C}$	
	1286 Feb 23 j 14:17	0° $\text{C}$		morning set	1287 Feb 10 j 09:08	20° $\text{C}$ 10'28	
morning set	1286 Feb 28 j 07:07	8° $\text{C}$ 26'00		max. Earth dist.	1287 Feb 14 j 01:16	26° $\text{C}$ 43'34	1.37616 AU
max. Earth dist.	1286 Mar 04 j 03:34	15° $\text{C}$ 40'43	1.35689 AU		1287 Feb 15 j 20:09	0° $\text{C}$	
superior conj	1286 Mar 09 j 13:18	26° $\text{C}$ 20'04	-1°14'39	superior conj	1287 Feb 20 j 21:00	9° $\text{C}$ 31'24	-1°38'22
minimum elong	1286 Mar 09 j 16:53	26° $\text{C}$ 38'09	1°14'03	minimum elong	1287 Feb 21 j 01:09	9° $\text{C}$ 51'26	1°37'53
	1286 Mar 11 j 08:39	0° $\text{C}$		evening rise	1287 Mar 01 j 12:15	26° $\text{C}$ 34'49	
evening rise	1286 Mar 17 j 11:34	12° $\text{C}$ 34'22			1287 Mar 03 j 05:50	0° $\text{C}$	
asc. node	1286 Mar 17 j 09:04	12° $\text{C}$ 21'40		asc. node	1287 Mar 04 j 06:09	1° $\text{C}$ 58'34	
	1286 Mar 26 j 16:05	0° $\text{C}$		evening max el	1287 Mar 18 j 06:38	23° $\text{C}$ 42'35	19°11'17
evening max el	1286 Apr 04 j 12:50	11° $\text{C}$ 50'27	20°11'50	retrograde	1287 Mar 27 j 03:42	28° $\text{C}$ 00'02	
retrograde	1286 Apr 15 j 01:39	16° $\text{C}$ 55'26		evening set	1287 Mar 29 j 07:29	27° $\text{C}$ 45'54	
evening set	1286 Apr 17 j 03:03	16° $\text{C}$ 44'38		inferior conj	1287 Apr 06 j 13:58	23° $\text{C}$ 34'54	1°30'30
desc. node	1286 Apr 25 j 03:29	13° $\text{C}$ 21'47		minimum elong	1287 Apr 06 j 17:20	23° $\text{C}$ 29'12	1°29'25
inferior conj	1286 Apr 26 j 03:41	12° $\text{C}$ 46'07	-0°17'32	min. Earth dist.	1287 Apr 09 j 12:38	21° $\text{C}$ 36'01	0.56480 AU
minimum elong	1286 Apr 26 j 02:52	12° $\text{C}$ 47'20	0°17'14	desc. node	1287 Apr 12 j 00:31	20° $\text{C}$ 05'06	

morning rise	1287 Apr 15 j 00:15	18° $\Upsilon$ 41'13		morning rise	1288 Mar 25 j 13:28	29° $\text{X}$ 37'25	
direct	1287 Apr 19 j 22:16	17° $\Upsilon$ 45'09		desc. node	1288 Mar 28 j 21:33	28° $\text{X}$ 24'19	
morning max el	1287 May 04 j 03:35	25° $\Upsilon$ 02'05	25°23'59	direct	1288 Mar 31 j 12:10	28° $\text{X}$ 06'44	
	1287 May 08 j 18:00	0° $\text{B}$			1288 Apr 07 j 08:22	0° $\Upsilon$	
	1287 May 27 j 10:01	0° $\Pi$		morning max el	1288 Apr 14 j 21:15	5° $\Upsilon$ 45'54	26°44'55
morning set	1287 May 31 j 01:59	7° $\Pi$ 31'53			1288 May 02 j 18:24	0° $\text{B}$	
asc. node	1287 May 31 j 05:23	7° $\Pi$ 49'46		morning set	1288 May 14 j 12:22	22° $\text{B}$ 23'15	
				asc. node	1288 May 17 j 02:27	27° $\text{B}$ 53'43	
					1288 May 18 j 01:47	0° $\Pi$	
superior conj	1287 Jun 07 j 01:30	22° $\Pi$ 39'03	1°06'39				
minimum elong	1287 Jun 06 j 23:09	22° $\Pi$ 26'13	1°06'15	superior conj	1288 May 21 j 13:12	7° $\Pi$ 36'59	0°45'32
max. Earth dist.	1287 Jun 08 j 03:01	24° $\Pi$ 58'22	1.32657 AU	minimum elong	1288 May 21 j 11:21	7° $\Pi$ 26'50	0°45'09
	1287 Jun 10 j 10:44	0° $\text{B}$		max. Earth dist.	1288 May 21 j 14:53	7° $\Pi$ 46'15	1.32274 AU
evening rise	1287 Jun 14 j 04:04	7° $\text{B}$ 50'50		evening rise	1288 May 28 j 11:09	22° $\Pi$ 35'18	
	1287 Jun 25 j 22:34	0° $\Omega$			1288 Jun 01 j 02:04	0° $\text{B}$	
desc. node	1287 Jul 08 j 23:49	19° $\Omega$ 16'47			1288 Jun 19 j 03:35	0° $\Omega$	
evening max el	1287 Jul 16 j 04:31	27° $\Omega$ 14'49	27°17'53		1288 Jun 24 j 20:49	6° $\Omega$ 50'21	
	1287 Jul 19 j 08:36	0° $\text{M}$		desc. node	1288 Jun 27 j 06:58	9° $\Omega$ 17'17	26°38'29
retrograde	1287 Jul 30 j 00:02	4° $\text{M}$ 30'52		evening max el	1288 Jun 27 j 06:58	9° $\Omega$ 17'17	26°38'29
evening set	1287 Aug 06 j 04:20	2° $\text{M}$ 05'35		retrograde	1288 Jul 11 j 06:20	16° $\Omega$ 31'08	
	1287 Aug 08 j 21:59	30° $\text{R}$ $\Omega$		evening set	1288 Jul 18 j 00:12	14° $\Omega$ 34'55	
min. Earth dist.	1287 Aug 09 j 18:26	29° $\Omega$ 15'23	0.62156 AU	min. Earth dist.	1288 Jul 21 j 20:27	11° $\Omega$ 58'01	0.60132 AU
inferior conj	1287 Aug 12 j 18:15	26° $\Omega$ 29'30	-4°05'24	inferior conj	1288 Jul 25 j 03:45	9° $\Omega$ 17'49	-4°41'14
minimum elong	1287 Aug 12 j 23:20	26° $\Omega$ 17'44	4°04'15	minimum elong	1288 Jul 25 j 07:16	9° $\Omega$ 10'40	4°40'49
morning rise	1287 Aug 19 j 19:47	21° $\Omega$ 27'33		morning rise	1288 Aug 01 j 16:19	4° $\Omega$ 38'04	
direct	1287 Aug 22 j 06:43	21° $\Omega$ 01'07		direct	1288 Aug 04 j 03:05	4° $\Omega$ 15'46	
asc. node	1287 Aug 27 j 04:34	22° $\Omega$ 49'52		morning max el	1288 Aug 11 j 14:08	7° $\Omega$ 53'51	18°12'04
morning max el	1287 Aug 29 j 02:32	24° $\Omega$ 28'23	17°53'55	asc. node	1288 Aug 13 j 01:38	9° $\Omega$ 26'46	
	1287 Sep 02 j 14:35	0° $\text{M}$			1288 Aug 25 j 19:49	0° $\text{M}$	
morning set	1287 Sep 14 j 03:03	19° $\text{M}$ 33'28		morning set	1288 Aug 27 j 11:46	3° $\text{M}$ 07'53	
	1287 Sep 19 j 22:58	0° $\Omega$					
superior conj	1287 Sep 25 j 00:39	8° $\Omega$ 49'58	1°03'58	superior conj	1288 Sep 06 j 00:19	20° $\text{M}$ 50'45	1°28'58
minimum elong	1287 Sep 25 j 05:22	9° $\Omega$ 10'11	1°03'23	minimum elong	1288 Sep 06 j 04:06	21° $\text{M}$ 07'51	1°28'37
max. Earth dist.	1287 Oct 02 j 06:44	20° $\Omega$ 57'51	1.42966 AU		1288 Sep 11 j 04:30	0° $\Omega$	
desc. node	1287 Oct 04 j 23:08	25° $\Omega$ 18'31		max. Earth dist.	1288 Sep 13 j 15:10	4° $\Omega$ 11'07	1.41161 AU
	1287 Oct 07 j 21:50	0° $\text{M}$		evening rise	1288 Sep 18 j 15:31	12° $\Omega$ 30'34	
evening rise	1287 Oct 09 j 13:14	2° $\text{M}$ 34'51		desc. node	1288 Sep 20 j 20:08	16° $\Omega$ 02'38	
	1287 Oct 27 j 22:23	0° $\text{X}$			1288 Sep 29 j 20:51	0° $\text{M}$	
evening max el	1287 Nov 09 j 22:05	16° $\text{X}$ 25'43	21°41'32	evening max el	1288 Oct 22 j 14:02	29° $\text{M}$ 57'28	23°00'03
retrograde	1287 Nov 18 j 22:56	21° $\text{X}$ 48'19			1288 Oct 22 j 15:03	0° $\text{X}$	
evening set	1287 Nov 23 j 05:48	20° $\text{X}$ 07'04		retrograde	1288 Nov 01 j 17:35	5° $\text{X}$ 58'50	
asc. node	1287 Nov 23 j 03:50	20° $\text{X}$ 10'57		evening set	1288 Nov 06 j 12:56	4° $\text{X}$ 00'30	
inferior conj	1287 Nov 28 j 14:15	13° $\text{X}$ 50'17	1°46'54	asc. node	1288 Nov 09 j 00:52	1° $\text{X}$ 25'48	
minimum elong	1287 Nov 28 j 12:04	13° $\text{X}$ 57'50	1°46'06		1288 Nov 10 j 03:59	30° $\text{R}$ $\text{M}$	
min. Earth dist.	1287 Nov 28 j 18:02	13° $\text{X}$ 37'11	0.67669 AU	inferior conj	1288 Nov 11 j 21:38	27° $\text{M}$ 38'27	0°58'21
morning rise	1287 Dec 03 j 18:11	7° $\text{X}$ 37'55		minimum elong	1288 Nov 11 j 20:18	27° $\text{M}$ 43'01	0°57'49
direct	1287 Dec 08 j 17:30	5° $\text{X}$ 30'41		min. Earth dist.	1288 Nov 11 j 14:43	28° $\text{M}$ 02'17	0.67769 AU
morning max el	1287 Dec 18 j 19:04	11° $\text{X}$ 29'05	23°01'21	morning rise	1288 Nov 17 j 03:36	21° $\text{M}$ 28'55	
desc. node	1287 Dec 31 j 22:22	27° $\text{X}$ 47'12		direct	1288 Nov 21 j 12:15	19° $\text{M}$ 44'24	
	1288 Jan 02 j 12:10	0° $\text{B}$		morning max el	1288 Nov 30 j 09:02	24° $\text{M}$ 56'14	21°36'13
morning set	1288 Jan 22 j 09:14	0° $\approx$ 36'48			1288 Dec 04 j 20:52	0° $\text{X}$	
	1288 Jan 22 j 00:22	0° $\approx$		desc. node	1288 Dec 17 j 19:24	17° $\text{X}$ 44'02	
max. Earth dist.	1288 Jan 26 j 20:36	8° $\approx$ 11'14	1.39750 AU		1288 Dec 25 j 23:31	0° $\text{B}$	
				morning set	1289 Jan 01 j 04:12	9° $\text{B}$ 40'22	
superior conj	1288 Feb 03 j 13:29	21° $\approx$ 54'39	-1°56'09	max. Earth dist.	1289 Jan 07 j 20:15	20° $\text{B}$ 28'39	1.41815 AU
minimum elong	1288 Feb 03 j 16:48	22° $\approx$ 09'55	1°55'57		1289 Jan 13 j 11:50	0° $\approx$	
	1288 Feb 07 j 21:31	0° $\text{X}$		superior conj	1289 Jan 15 j 09:40	3° $\approx$ 18'09	-2°03'55
evening rise	1288 Feb 13 j 04:05	10° $\text{X}$ 03'58		minimum elong	1289 Jan 15 j 09:57	3° $\approx$ 19'22	2°03'55
asc. node	1288 Feb 19 j 03:11	21° $\text{X}$ 13'53		evening rise	1289 Jan 26 j 07:33	22° $\approx$ 54'08	
	1288 Feb 24 j 10:18	0° $\Upsilon$			1289 Jan 30 j 04:57	0° $\text{X}$	
evening max el	1288 Feb 29 j 09:37	6° $\Upsilon$ 08'58	18°30'48	asc. node	1289 Feb 05 j 00:12	10° $\text{X}$ 00'53	
retrograde	1288 Mar 08 j 00:19	9° $\Upsilon$ 53'17		evening max el	1289 Feb 11 j 18:46	19° $\text{X}$ 02'06	18°10'20
evening set	1288 Mar 10 j 09:37	9° $\Upsilon$ 32'24		retrograde	1289 Feb 18 j 14:37	22° $\text{X}$ 29'12	
inferior conj	1288 Mar 17 j 20:59	5° $\Upsilon$ 02'22	2°46'59	evening set	1289 Feb 21 j 05:22	21° $\text{X}$ 59'26	
minimum elong	1288 Mar 18 j 00:59	4° $\Upsilon$ 54'25	2°46'03	inferior conj	1289 Feb 28 j 00:27	17° $\text{X}$ 08'37	3°29'52
min. Earth dist.	1288 Mar 21 j 07:11	2° $\Upsilon$ 20'47	0.58316 AU	minimum elong	1289 Feb 28 j 02:51	17° $\text{X}$ 03'04	3°29'34
	1288 Mar 24 j 20:18	30° $\text{R}$ $\text{X}$		min. Earth dist.	1289 Mar 03 j 07:38	14° $\text{X}$ 07'48	0.60435 AU

morning rise	1289 Mar 06 j 22:20	11° $\text{K}$ 22'16		1290 Feb 10 j 15:54	30° $\text{R}$ $\approx$	
direct	1289 Mar 13 j 14:25	9° $\text{K}$ 14'32	min. Earth dist.	1290 Feb 13 j 16:16	26° $\approx$ 51'30	0.62511 AU
desc. node	1289 Mar 15 j 18:36	9° $\text{K}$ 27'28	morning rise	1290 Feb 17 j 03:01	23° $\approx$ 47'42	
morning max el	1289 Mar 27 j 20:50	17° $\text{K}$ 05'23	27°35'06	direct	1290 Feb 24 j 02:09	21° $\approx$ 11'38
	1289 Apr 07 j 13:24	0° $\text{Y}$		desc. node	1290 Mar 02 j 15:38	23° $\approx$ 10'17
	1289 Apr 25 j 07:45	0° $\text{B}$		morning max el	1290 Mar 10 j 02:04	29° $\approx$ 06'05
morning set	1289 Apr 28 j 19:29	7° $\text{B}$ 02'46			1290 Mar 10 j 23:20	0° $\text{K}$
asc. node	1289 May 03 j 23:29	18° $\text{B}$ 02'37			1290 Apr 01 j 10:20	0° $\text{Y}$
max. Earth dist.	1289 May 05 j 02:51	20° $\text{B}$ 31'53	1.32275 AU	morning set	1290 Apr 12 j 21:18	21° $\text{Y}$ 23'45
					1290 Apr 17 j 00:51	0° $\text{B}$
superior conj	1289 May 06 j 00:35	22° $\text{B}$ 30'56	0°21'31	max. Earth dist.	1290 Apr 18 j 11:13	3° $\text{B}$ 03'17
minimum elong	1289 May 05 j 23:37	22° $\text{B}$ 25'40	0°21'18			1.32675 AU
	1289 May 09 j 10:31	0° $\text{II}$		superior conj	1290 Apr 20 j 09:57	7° $\text{B}$ 15'21
evening rise	1289 May 12 j 21:33	7° $\text{II}$ 27'08		minimum elong	1290 Apr 20 j 10:11	7° $\text{B}$ 16'34
	1289 May 24 j 16:10	0° $\text{E}$		behind sun begin	1290 Apr 20 j 05:12	6° $\text{B}$ 49'33
evening max el	1289 Jun 09 j 02:24	20° $\text{E}$ 33'24	25°28'50	behind sun end	1290 Apr 20 j 15:10	7° $\text{B}$ 43'36
desc. node	1289 Jun 11 j 17:51	22° $\text{E}$ 53'17		asc. node	1290 Apr 20 j 20:31	8° $\text{B}$ 12'39
retrograde	1289 Jun 23 j 03:09	27° $\text{E}$ 42'42		evening rise	1290 Apr 27 j 09:21	22° $\text{B}$ 19'56
evening set	1289 Jun 28 j 21:17	26° $\text{E}$ 25'02			1290 May 01 j 02:26	0° $\text{II}$
min. Earth dist.	1289 Jul 03 j 14:30	23° $\text{E}$ 43'04	0.58086 AU		1290 May 20 j 11:15	0° $\text{E}$
inferior conj	1289 Jul 06 j 18:58	21° $\text{E}$ 29'00	-4°53'35	evening max el	1290 May 21 j 16:58	1° $\text{E}$ 14'20
minimum elong	1289 Jul 06 j 18:33	21° $\text{E}$ 29'45	4°53'35	desc. node	1290 May 29 j 14:51	6° $\text{E}$ 51'33
morning rise	1289 Jul 14 j 18:20	17° $\text{E}$ 11'35		retrograde	1290 Jun 04 j 11:50	8° $\text{E}$ 09'51
direct	1289 Jul 17 j 07:06	16° $\text{E}$ 51'46		evening set	1290 Jun 08 j 19:55	7° $\text{E}$ 28'18
morning max el	1289 Jul 25 j 18:48	20° $\text{E}$ 52'00	18°50'42	min. Earth dist.	1290 Jun 15 j 03:50	4° $\text{E}$ 25'35
asc. node	1289 Jul 30 j 22:41	27° $\text{E}$ 04'15		inferior conj	1290 Jun 17 j 14:00	2° $\text{E}$ 56'13
	1289 Aug 01 j 20:57	0° $\text{O}$		minimum elong	1290 Jun 17 j 08:27	3° $\text{E}$ 04'46
morning set	1289 Aug 11 j 07:15	17° $\text{O}$ 13'41			1290 Jun 22 j 21:26	30° $\text{R}$ $\text{II}$
	1289 Aug 17 j 19:54	0° $\text{P}$		morning rise	1290 Jun 25 j 23:42	28° $\text{II}$ 56'53
				direct	1290 Jun 28 j 16:12	28° $\text{II}$ 38'09
superior conj	1289 Aug 19 j 20:07	3° $\text{P}$ 51'09	1°42'25		1290 Jul 04 j 02:16	0° $\text{E}$
minimum elong	1289 Aug 19 j 21:58	3° $\text{P}$ 59'58	1°42'19	morning max el	1290 Jul 08 j 13:40	3° $\text{E}$ 13'27
max. Earth dist.	1289 Aug 26 j 19:05	16° $\text{P}$ 40'16	1.39139 AU	asc. node	1290 Jul 17 j 19:44	15° $\text{E}$ 28'46
evening rise	1289 Aug 30 j 17:45	23° $\text{P}$ 33'13			1290 Jul 25 j 13:52	0° $\text{O}$
	1289 Sep 03 j 14:00	0° $\text{A}$		morning set	1290 Jul 26 j 10:09	1° $\text{O}$ 42'05
desc. node	1289 Sep 07 j 17:09	6° $\text{A}$ 39'40		superior conj	1290 Aug 03 j 06:43	17° $\text{O}$ 36'06
	1289 Sep 23 j 16:51	0° $\text{M}$		minimum elong	1290 Aug 03 j 06:42	17° $\text{O}$ 36'00
evening max el	1289 Oct 05 j 02:53	13° $\text{M}$ 32'46	24°19'52	max. Earth dist.	1290 Aug 08 j 23:26	28° $\text{O}$ 38'56
retrograde	1289 Oct 16 j 08:32	20° $\text{M}$ 07'36			1290 Aug 09 j 16:43	0° $\text{P}$
evening set	1289 Oct 21 j 17:47	17° $\text{M}$ 52'16		evening rise	1290 Aug 12 j 19:14	5° $\text{P}$ 41'48
min. Earth dist.	1289 Oct 26 j 10:48	12° $\text{M}$ 27'22	0.67542 AU	desc. node	1290 Aug 25 j 14:09	27° $\text{P}$ 05'00
asc. node	1289 Oct 26 j 21:54	11° $\text{M}$ 50'03			1290 Aug 27 j 11:52	0° $\text{A}$
inferior conj	1289 Oct 27 j 04:07	11° $\text{M}$ 29'08	0°05'22	evening max el	1290 Sep 17 j 14:48	27° $\text{A}$ 11'37
minimum elong	1289 Oct 27 j 03:59	11° $\text{M}$ 29'35	0°05'18		1290 Sep 20 j 17:38	0° $\text{M}$
transit middle	1289 Oct 27 j 03:59	11° $\text{M}$ 29'35	0°05'18	retrograde	1290 Sep 29 j 18:57	4° $\text{M}$ 10'33
transit begin	1289 Oct 27 j 01:24	11° $\text{M}$ 38'17		evening set	1290 Oct 05 j 18:41	1° $\text{M}$ 39'57
transit end	1289 Oct 27 j 06:34	11° $\text{M}$ 20'53			1290 Oct 07 j 12:03	30° $\text{R}$ $\text{A}$
morning rise	1289 Nov 01 j 14:11	5° $\text{M}$ 24'51		min. Earth dist.	1290 Oct 10 j 03:47	26° $\text{A}$ 50'21
direct	1289 Nov 05 j 09:37	4° $\text{M}$ 01'49		inferior conj	1290 Oct 11 j 07:57	25° $\text{A}$ 19'58
morning max el	1289 Nov 13 j 06:05	8° $\text{M}$ 33'03	20°20'51	minimum elong	1290 Oct 11 j 09:15	25° $\text{A}$ 15'48
	1289 Nov 29 j 08:34	0° $\text{X}$		asc. node	1290 Oct 13 j 18:57	22° $\text{A}$ 18'48
desc. node	1289 Dec 04 j 16:26	8° $\text{X}$ 00'07		morning rise	1290 Oct 17 j 00:03	19° $\text{A}$ 23'48
morning set	1289 Dec 11 j 02:25	17° $\text{X}$ 50'18		direct	1290 Oct 20 j 08:10	18° $\text{A}$ 19'27
	1289 Dec 18 j 20:27	0° $\text{Z}$		morning max el	1290 Oct 27 j 10:52	22° $\text{A}$ 19'56
max. Earth dist.	1289 Dec 21 j 03:37	3° $\text{Z}$ 40'30	1.43528 AU		1290 Nov 02 j 17:15	0° $\text{M}$
superior conj	1289 Dec 27 j 04:39	13° $\text{Z}$ 31'17	-1°56'48	morning set	1290 Nov 20 j 03:18	26° $\text{M}$ 17'06
minimum elong	1289 Dec 26 j 23:49	13° $\text{Z}$ 11'18	1°56'33	desc. node	1290 Nov 21 j 13:26	28° $\text{M}$ 29'48
	1290 Jan 05 j 22:11	0° $\approx$			1290 Nov 22 j 12:38	0° $\text{X}$
evening rise	1290 Jan 08 j 18:27	4° $\approx$ 56'39		max. Earth dist.	1290 Dec 03 j 18:11	17° $\text{X}$ 35'34
asc. node	1290 Jan 22 j 21:13	28° $\approx$ 10'50				1.44672 AU
	1290 Jan 24 j 07:06	0° $\text{K}$		superior conj	1290 Dec 06 j 21:42	22° $\text{X}$ 34'54
evening max el	1290 Jan 26 j 06:59	2° $\text{K}$ 13'26	18°09'23	minimum elong	1290 Dec 06 j 13:07	22° $\text{X}$ 00'45
retrograde	1290 Feb 01 j 18:39	5° $\text{K}$ 38'00			1290 Dec 11 j 12:53	0° $\text{Z}$
evening set	1290 Feb 04 j 14:26	4° $\text{K}$ 58'04		evening rise	1290 Dec 21 j 08:29	16° $\text{Z}$ 03'54
inferior conj	1290 Feb 10 j 20:58	29° $\approx$ 46'44	3°45'28		1290 Dec 29 j 18:41	0° $\approx$
minimum elong	1290 Feb 10 j 21:17	29° $\approx$ 45'54	3°45'27	asc. node	1291 Jan 09 j 18:15	15° $\approx$ 32'01

evening max el	1291 Jan 09 j 19:20	15° $\approx$ 34'46	18°27'09	retrograde	1291 Dec 31 j 03:04	2° $\approx$ 56'59	
retrograde	1291 Jan 16 j 08:03	19° $\approx$ 09'27		evening set	1292 Jan 03 j 10:09	1° $\approx$ 53'59	
evening set	1291 Jan 19 j 09:01	18° $\approx$ 18'29			1292 Jan 05 j 17:14	30° $\approx$ 3	
inferior conj	1291 Jan 25 j 06:25	12° $\approx$ 48'03	3°40'52	inferior conj	1292 Jan 09 j 01:15	26° $\approx$ 06'46	3°21'30
minimum elong	1291 Jan 25 j 05:04	12° $\approx$ 51'58	3°40'44	minimum elong	1292 Jan 08 j 22:55	26° $\approx$ 14'07	3°21'04
min. Earth dist.	1291 Jan 27 j 10:24	10° $\approx$ 17'17	0.64322 AU	min. Earth dist.	1292 Jan 10 j 13:56	24° $\approx$ 11'15	0.65761 AU
morning rise	1291 Jan 31 j 00:35	6° $\approx$ 41'33		morning rise	1292 Jan 14 j 11:24	19° $\approx$ 55'50	
direct	1291 Feb 06 j 21:23	3° $\approx$ 51'19		direct	1292 Jan 20 j 23:11	17° $\approx$ 05'35	
desc. node	1291 Feb 17 j 12:40	8° $\approx$ 58'05		morning max el	1292 Feb 02 j 20:51	24° $\approx$ 41'30	26°33'00
morning max el	1291 Feb 20 j 10:57	11° $\approx$ 41'44	27°25'59	desc. node	1292 Feb 04 j 09:42	26° $\approx$ 17'10	
	1291 Mar 07 j 00:41	0° $\approx$			1292 Feb 07 j 16:32	0° $\approx$	
	1291 Mar 24 j 21:30	0° $\approx$			1292 Feb 28 j 11:07	0° $\approx$	
morning set	1291 Mar 27 j 15:08	5° $\approx$ 16'45		morning set	1292 Mar 09 j 21:29	18° $\approx$ 31'23	
max. Earth dist.	1291 Apr 01 j 12:04	15° $\approx$ 07'28	1.33495 AU	max. Earth dist.	1292 Mar 14 j 02:06	26° $\approx$ 38'09	1.34763 AU
					1292 Mar 15 j 18:33	0° $\approx$	
superior conj	1291 Apr 04 j 15:25	21° $\approx$ 43'06	-0°32'03	superior conj	1292 Mar 18 j 14:45	5° $\approx$ 47'35	-0°59'29
minimum elong	1291 Apr 04 j 17:00	21° $\approx$ 51'30	0°31'43	minimum elong	1292 Mar 18 j 17:42	6° $\approx$ 02'43	0°58'56
asc. node	1291 Apr 07 j 17:33	28° $\approx$ 18'53		asc. node	1292 Mar 24 j 14:36	18° $\approx$ 17'28	
	1291 Apr 08 j 12:26	0° $\approx$		evening rise	1292 Mar 26 j 05:36	21° $\approx$ 40'12	
evening rise	1291 Apr 11 j 20:39	7° $\approx$ 06'21			1292 Mar 30 j 08:39	0° $\approx$	
	1291 Apr 24 j 02:30	0° $\approx$		evening max el	1292 Apr 14 j 08:24	22° $\approx$ 37'37	20°55'03
evening max el	1291 May 03 j 08:36	11° $\approx$ 45'36	22°22'48	retrograde	1292 Apr 25 j 21:22	28° $\approx$ 14'10	
retrograde	1291 May 16 j 07:58	18° $\approx$ 10'19		evening set	1292 Apr 28 j 01:44	28° $\approx$ 02'53	
desc. node	1291 May 16 j 11:53	18° $\approx$ 10'15		desc. node	1292 May 02 j 08:56	26° $\approx$ 42'00	
evening set	1291 May 19 j 07:10	17° $\approx$ 50'54		inferior conj	1292 May 07 j 09:14	24° $\approx$ 04'42	-1°26'50
min. Earth dist.	1291 May 27 j 15:33	14° $\approx$ 14'58	0.55208 AU	minimum elong	1292 May 07 j 05:08	24° $\approx$ 10'31	1°25'22
inferior conj	1291 May 28 j 15:22	13° $\approx$ 14'19	-3°17'03	min. Earth dist.	1292 May 08 j 04:08	23° $\approx$ 37'51	0.54965 AU
minimum elong	1291 May 28 j 07:43	13° $\approx$ 52'09	3°14'54	morning rise	1292 May 16 j 08:17	19° $\approx$ 59'48	
morning rise	1291 Jun 06 j 10:13	9° $\approx$ 48'50		direct	1292 May 19 j 18:04	19° $\approx$ 34'46	
direct	1291 Jun 09 j 08:29	9° $\approx$ 29'23		morning max el	1292 Jun 01 j 18:36	25° $\approx$ 49'10	22°46'54
morning max el	1291 Jun 20 j 21:12	14° $\approx$ 51'35	21°10'56		1292 Jun 05 j 17:10	0° $\approx$	
	1291 Jul 02 j 04:40	0° $\approx$		asc. node	1292 Jun 20 j 13:50	23° $\approx$ 55'24	
asc. node	1291 Jul 04 j 16:47	4° $\approx$ 28'47			1292 Jun 23 j 13:30	0° $\approx$	
morning set	1291 Jul 10 j 17:59	16° $\approx$ 25'57		morning set	1292 Jun 24 j 04:40	1° $\approx$ 19'11	
	1291 Jul 17 j 05:58	0° $\approx$					
superior conj	1291 Jul 18 j 03:45	1° $\approx$ 52'55	1°42'21	superior conj	1292 Jul 01 j 07:53	16° $\approx$ 31'22	1°32'17
minimum elong	1291 Jul 18 j 02:21	1° $\approx$ 45'40	1°42'17	minimum elong	1292 Jul 01 j 05:41	16° $\approx$ 19'40	1°32'03
max. Earth dist.	1291 Jul 22 j 09:40	10° $\approx$ 30'17	1.35402 AU	max. Earth dist.	1292 Jul 04 j 04:47	22° $\approx$ 34'22	1.34018 AU
evening rise	1291 Jul 26 j 15:42	18° $\approx$ 45'22			1292 Jul 07 j 20:00	0° $\approx$	
	1291 Aug 01 j 20:17	0° $\approx$		evening rise	1292 Jul 09 j 02:28	2° $\approx$ 31'14	
desc. node	1291 Aug 12 j 11:12	17° $\approx$ 12'54			1292 Jul 24 j 17:05	0° $\approx$	
	1291 Aug 21 j 14:56	0° $\approx$		desc. node	1292 Jul 29 j 08:15	6° $\approx$ 55'01	
evening max el	1291 Aug 31 j 02:52	10° $\approx$ 48'56	26°34'18	evening max el	1292 Aug 12 j 14:44	24° $\approx$ 15'06	27°13'46
retrograde	1291 Sep 13 j 00:16	18° $\approx$ 02'10			1292 Aug 20 j 05:52	0° $\approx$	
evening set	1291 Sep 19 j 13:39	15° $\approx$ 20'41		retrograde	1292 Aug 26 j 00:12	1° $\approx$ 34'02	
min. Earth dist.	1291 Sep 23 j 15:20	11° $\approx$ 07'54	0.66084 AU		1292 Aug 31 j 07:33	30° $\approx$ 1	
inferior conj	1291 Sep 25 j 07:16	9° $\approx$ 08'02	-1°48'16	evening set	1292 Sep 02 j 00:08	28° $\approx$ 49'32	
minimum elong	1291 Sep 25 j 10:06	8° $\approx$ 59'30	1°47'08	min. Earth dist.	1292 Sep 05 j 19:09	25° $\approx$ 13'03	0.64823 AU
asc. node	1291 Sep 30 j 16:00	3° $\approx$ 45'47		inferior conj	1292 Sep 07 j 23:45	22° $\approx$ 48'10	-2°45'14
morning rise	1291 Oct 01 j 07:04	3° $\approx$ 22'59		minimum elong	1292 Sep 08 j 04:00	22° $\approx$ 36'25	2°43'44
direct	1291 Oct 04 j 06:01	2° $\approx$ 33'50		morning rise	1292 Sep 14 j 08:45	17° $\approx$ 17'20	
morning max el	1291 Oct 10 j 22:04	6° $\approx$ 13'51	18°33'17	asc. node	1292 Sep 16 j 13:03	16° $\approx$ 40'58	
	1291 Oct 27 j 10:12	0° $\approx$		direct	1292 Sep 17 j 00:55	16° $\approx$ 39'40	
morning set	1291 Oct 31 j 03:56	5° $\approx$ 59'10		morning max el	1292 Sep 23 j 13:06	20° $\approx$ 08'29	18°04'00
desc. node	1291 Nov 08 j 10:28	19° $\approx$ 09'10			1292 Sep 30 j 23:37	0° $\approx$	
	1291 Nov 15 j 07:39	0° $\approx$		morning set	1292 Oct 11 j 09:28	17° $\approx$ 06'03	
					1292 Oct 19 j 04:28	0° $\approx$	
superior conj	1291 Nov 15 j 23:26	1° $\approx$ 01'58	-0°48'43	superior conj	1292 Oct 25 j 06:49	9° $\approx$ 51'17	0°00'12
minimum elong	1291 Nov 15 j 17:12	0° $\approx$ 37'32	0°47'55	minimum elong	1292 Oct 25 j 06:51	9° $\approx$ 51'23	0°00'12
max. Earth dist.	1291 Nov 16 j 12:47	1° $\approx$ 54'26	1.45109 AU	behind sun begin	1292 Oct 24 j 20:15	9° $\approx$ 09'00	
evening rise	1291 Dec 01 j 23:11	26° $\approx$ 14'08		behind sun end	1292 Oct 25 j 17:26	10° $\approx$ 33'42	
	1291 Dec 04 j 08:05	0° $\approx$		desc. node	1292 Oct 25 j 07:31	9° $\approx$ 54'03	
greatest brilliancy	1291 Dec 10 j 22:05	10° $\approx$ 25'30	-0.8m	max. Earth dist.	1292 Oct 29 j 07:35	16° $\approx$ 15'37	1.44802 AU
evening max el	1291 Dec 24 j 05:22	29° $\approx$ 01'29	19°02'35		1292 Nov 07 j 02:21	0° $\approx$	
	1291 Dec 25 j 05:21	0° $\approx$		evening rise	1292 Nov 10 j 16:47	5° $\approx$ 34'42	
asc. node	1291 Dec 27 j 15:18	1° $\approx$ 51'22					

greatest brilliancy	1292 Nov 24 j 08:40	26° $\text{X}$ 25'13	-0.7m		1293 Oct 31 j 04:21	0° $\text{X}$	
	1292 Nov 26 j 19:07	0° $\text{Z}$		evening max el	1293 Nov 19 j 11:29	25° $\text{X}$ 59'46	20°59'23
evening max el	1292 Dec 06 j 11:08	12° $\text{Z}$ 30'02	19°54'10		1293 Nov 24 j 10:10	0° $\text{Z}$	
asc. node	1292 Dec 13 j 12:20	16° $\text{Z}$ 53'32		retrograde	1293 Nov 27 j 22:16	1° $\text{Z}$ 00'14	
retrograde	1292 Dec 14 j 00:35	16° $\text{Z}$ 54'59		asc. node	1293 Nov 30 j 09:22	0° $\text{Z}$ 26'14	
evening set	1292 Dec 17 j 15:21	15° $\text{Z}$ 38'32			1293 Dec 01 j 04:37	30° $\text{R}$ $\text{X}$	
inferior conj	1292 Dec 23 j 02:27	9° $\text{Z}$ 37'23	2°51'08	evening set	1293 Dec 01 j 22:38	29° $\text{X}$ 28'40	
minimum elong	1292 Dec 22 j 23:46	9° $\text{Z}$ 46'20	2°50'26	inferior conj	1293 Dec 07 j 07:37	23° $\text{X}$ 16'46	2°12'22
min. Earth dist.	1292 Dec 24 j 01:14	8° $\text{Z}$ 21'30	0.66802 AU	minimum elong	1293 Dec 07 j 05:07	23° $\text{X}$ 25'20	2°11'31
morning rise	1292 Dec 28 j 07:58	3° $\text{Z}$ 24'17		min. Earth dist.	1293 Dec 07 j 18:02	22° $\text{X}$ 40'58	0.67458 AU
direct	1293 Jan 03 j 06:49	0° $\text{Z}$ 45'17		morning rise	1293 Dec 12 j 11:23	17° $\text{X}$ 03'31	
morning max el	1293 Jan 15 j 05:49	7° $\text{Z}$ 52'48	25°18'19	direct	1293 Dec 17 j 19:30	14° $\text{X}$ 43'17	
desc. node	1293 Jan 21 j 06:44	14° $\text{Z}$ 40'44		morning max el	1293 Dec 28 j 14:13	21° $\text{X}$ 09'01	23°52'07
	1293 Feb 01 j 13:36	0° $\approx$			1294 Jan 05 j 05:25	0° $\text{Z}$	
	1293 Feb 19 j 23:38	0° $\text{X}$		desc. node	1294 Jan 08 j 03:46	3° $\text{Z}$ 50'23	
morning set	1293 Feb 20 j 11:36	0° $\text{X}$ 53'48			1294 Jan 25 j 19:56	0° $\approx$	
max. Earth dist.	1293 Feb 24 j 04:26	7° $\text{X}$ 42'19	1.36467 AU	morning set	1294 Feb 02 j 03:21	12° $\approx$ 07'09	
				max. Earth dist.	1294 Feb 05 j 23:36	18° $\approx$ 49'16	1.38511 AU
					1294 Feb 12 j 02:37	0° $\text{X}$	
superior conj	1293 Mar 02 j 05:10	19° $\text{X}$ 21'00	-1°25'14				
minimum elong	1293 Mar 02 j 09:06	19° $\text{X}$ 40'32	1°24'40				
	1293 Mar 07 j 12:06	0° $\text{Y}$		superior conj	1294 Feb 13 j 07:00	2° $\text{X}$ 13'42	-1°46'52
evening rise	1293 Mar 10 j 10:01	5° $\text{Y}$ 54'46		minimum elong	1294 Feb 13 j 11:01	2° $\text{X}$ 32'42	1°46'30
asc. node	1293 Mar 11 j 11:40	8° $\text{Y}$ 03'48		evening rise	1294 Feb 22 j 07:20	19° $\text{X}$ 42'53	
	1293 Mar 24 j 04:30	0° $\text{Z}$		asc. node	1294 Feb 26 j 08:42	27° $\text{X}$ 32'20	
evening max el	1293 Mar 27 j 19:51	4° $\text{Z}$ 07'46	19°43'40		1294 Feb 27 j 16:25	0° $\text{Y}$	
retrograde	1293 Apr 06 j 15:19	8° $\text{Z}$ 51'22		evening max el	1294 Mar 10 j 18:02	16° $\text{Y}$ 16'10	18°51'38
evening set	1293 Apr 08 j 16:40	8° $\text{Z}$ 39'50		retrograde	1294 Mar 19 j 00:40	20° $\text{Y}$ 17'04	
inferior conj	1293 Apr 17 j 10:10	4° $\text{Z}$ 37'31	0°31'21	evening set	1294 Mar 21 j 06:45	20° $\text{Y}$ 00'24	
minimum elong	1293 Apr 17 j 11:32	4° $\text{Z}$ 35'24	0°30'52	inferior conj	1294 Mar 29 j 04:57	15° $\text{Y}$ 42'08	2°07'13
desc. node	1293 Apr 19 j 05:57	3° $\text{Z}$ 29'09		minimum elong	1294 Mar 29 j 08:59	15° $\text{Y}$ 34'50	2°06'03
min. Earth dist.	1293 Apr 19 j 18:25	3° $\text{Z}$ 09'58	0.55680 AU	min. Earth dist.	1294 Apr 01 j 10:50	13° $\text{Y}$ 22'29	0.57204 AU
morning rise	1293 Apr 26 j 03:53	0° $\text{Z}$ 03'09		morning rise	1294 Apr 06 j 08:07	10° $\text{Y}$ 34'19	
	1293 Apr 26 j 07:59	30° $\text{R}$ $\text{Y}$		desc. node	1294 Apr 06 j 02:58	10° $\text{Y}$ 39'53	
direct	1293 Apr 30 j 10:57	29° $\text{Y}$ 22'02		direct	1294 Apr 11 j 17:27	9° $\text{Y}$ 24'10	
	1293 May 04 j 13:02	0° $\text{Z}$		morning max el	1294 Apr 26 j 01:05	16° $\text{Y}$ 52'22	26°01'24
morning max el	1293 May 14 j 10:00	6° $\text{Z}$ 21'19	24°28'31		1294 May 06 j 19:13	0° $\text{Z}$	
	1293 May 31 j 10:07	0° $\text{II}$			1294 May 23 j 14:14	0° $\text{II}$	
asc. node	1293 Jun 07 j 10:54	13° $\text{II}$ 41'35		morning set	1294 May 24 j 03:56	1° $\text{II}$ 11'51	
morning set	1293 Jun 08 j 16:33	16° $\text{II}$ 16'43		asc. node	1294 May 25 j 07:58	3° $\text{II}$ 40'29	
	1293 Jun 15 j 01:12	0° $\text{Z}$					
				superior conj	1294 May 31 j 03:41	16° $\text{II}$ 21'12	0°58'06
superior conj	1293 Jun 15 j 16:35	1° $\text{Z}$ 23'34	1°17'14	minimum elong	1294 May 31 j 01:30	16° $\text{II}$ 09'12	0°57'42
minimum elong	1293 Jun 15 j 14:08	1° $\text{Z}$ 10'20	1°16'52	max. Earth dist.	1294 May 31 j 18:41	17° $\text{II}$ 43'27	1.32448 AU
max. Earth dist.	1293 Jun 17 j 08:42	5° $\text{Z}$ 00'30	1.33036 AU		1294 Jun 06 j 11:24	0° $\text{Z}$	
evening rise	1293 Jun 22 j 23:36	16° $\text{Z}$ 48'25		evening rise	1294 Jun 07 j 03:48	1° $\text{Z}$ 25'36	
	1293 Jun 29 j 19:16	0° $\text{Z}$			1294 Jun 22 j 18:39	0° $\text{Z}$	
desc. node	1293 Jul 16 j 05:17	26° $\text{Z}$ 00'41		desc. node	1294 Jul 03 j 02:17	14° $\text{Z}$ 13'45	
	1293 Jul 19 j 08:13	0° $\text{Z}$		evening max el	1294 Jul 08 j 07:13	19° $\text{Z}$ 47'42	27°05'15
evening max el	1293 Jul 26 j 01:01	7° $\text{Z}$ 19'15	27°25'37	retrograde	1294 Jul 22 j 04:49	27° $\text{Z}$ 02'35	
retrograde	1293 Aug 08 j 18:05	14° $\text{Z}$ 37'34		evening set	1294 Jul 29 j 05:59	24° $\text{Z}$ 48'29	
evening set	1293 Aug 15 j 22:59	12° $\text{Z}$ 01'32		min. Earth dist.	1294 Aug 01 j 21:31	22° $\text{Z}$ 05'37	0.61313 AU
min. Earth dist.	1293 Aug 19 j 13:34	8° $\text{Z}$ 56'50	0.63214 AU	inferior conj	1294 Aug 05 j 01:09	19° $\text{Z}$ 20'06	-4°22'45
inferior conj	1293 Aug 22 j 06:48	6° $\text{Z}$ 15'04	-3°38'24	minimum elong	1294 Aug 05 j 05:50	19° $\text{Z}$ 09'48	4°21'54
minimum elong	1293 Aug 22 j 11:54	6° $\text{Z}$ 02'22	3°36'59	morning rise	1294 Aug 12 j 07:21	14° $\text{Z}$ 27'00	
morning rise	1293 Aug 29 j 02:05	1° $\text{Z}$ 01'32		direct	1294 Aug 14 j 17:52	14° $\text{Z}$ 02'35	
direct	1293 Aug 31 j 14:03	0° $\text{Z}$ 31'56		asc. node	1294 Aug 21 j 07:08	17° $\text{Z}$ 05'11	
asc. node	1293 Sep 03 j 10:06	1° $\text{Z}$ 10'49		morning max el	1294 Aug 21 j 19:10	17° $\text{Z}$ 33'32	17°59'08
morning max el	1293 Sep 07 j 05:10	3° $\text{Z}$ 57'43	17°52'16		1294 Aug 30 j 16:11	0° $\text{Z}$	
morning set	1293 Sep 23 j 15:40	29° $\text{Z}$ 24'11		morning set	1294 Sep 06 j 16:15	12° $\text{Z}$ 35'03	
	1293 Sep 23 j 23:50	0° $\text{Z}$			1294 Sep 16 j 07:04	0° $\text{Z}$	
superior conj	1293 Oct 05 j 13:05	19° $\text{Z}$ 49'39	0°43'53	superior conj	1294 Sep 16 j 22:29	1° $\text{Z}$ 07'44	1°16'05
minimum elong	1293 Oct 05 j 17:11	20° $\text{Z}$ 06'44	0°43'19	minimum elong	1294 Sep 17 j 03:02	1° $\text{Z}$ 27'41	1°15'35
	1293 Oct 11 j 18:16	0° $\text{Z}$		max. Earth dist.	1294 Sep 24 j 11:29	13° $\text{Z}$ 58'56	1.42244 AU
max. Earth dist.	1293 Oct 11 j 23:45	0° $\text{Z}$ 22'03	1.43806 AU	desc. node	1294 Sep 29 j 01:36	21° $\text{Z}$ 27'37	
desc. node	1293 Oct 12 j 04:34	0° $\text{Z}$ 41'22		evening rise	1294 Sep 30 j 15:58	24° $\text{Z}$ 00'42	
evening rise	1293 Oct 21 j 00:37	14° $\text{Z}$ 35'37			1294 Oct 04 j 11:39	0° $\text{Z}$	



	1294 Oct 25 j 05:28	0°♊			1295 Sep 08 j 13:19	0°♎	
evening max el	1294 Nov 02 j 06:20	9°♊30'54	22°14'28	evening rise	1295 Sep 11 j 04:01	4°♎23'25	
retrograde	1294 Nov 11 j 18:17	15°♊09'46		desc. node	1295 Sep 15 j 22:36	12°♎09'07	
evening set	1294 Nov 16 j 06:17	13°♊21'27			1295 Sep 27 j 17:11	0°♎	
asc. node	1294 Nov 17 j 06:23	12°♊27'08		evening max el	1295 Oct 15 j 20:43	23°♎04'00	23°34'18
inferior conj	1294 Nov 21 j 14:41	7°♊02'15	1°26'58	retrograde	1295 Oct 26 j 11:21	29°♎19'58	
minimum elong	1294 Nov 21 j 12:49	7°♊08'42	1°26'14	evening set	1295 Oct 31 j 12:37	27°♎14'08	
min. Earth dist.	1294 Nov 21 j 13:54	7°♊04'56	0.67753 AU	asc. node	1295 Nov 04 j 03:25	23°♎14'23	
morning rise	1294 Nov 26 j 19:13	0°♊50'54		inferior conj	1295 Nov 05 j 21:51	20°♎51'16	0°36'21
	1294 Nov 27 j 22:38	30°♎		minimum elong	1295 Nov 05 j 21:00	20°♎54'11	0°35'58
direct	1294 Dec 01 j 12:17	28°♎53'05		min. Earth dist.	1295 Nov 05 j 10:28	21°♎30'10	0.67712 AU
	1294 Dec 05 j 09:40	0°♊		morning rise	1295 Nov 11 j 05:21	14°♎43'58	
morning max el	1294 Dec 11 j 01:01	4°♊30'52	22°24'19	direct	1295 Nov 15 j 08:12	13°♎08'53	
desc. node	1294 Dec 26 j 00:48	23°♊32'58		morning max el	1295 Nov 23 j 17:48	18°♎01'53	21°02'47
	1294 Dec 30 j 11:22	0°♋			1295 Dec 03 j 10:47	0°♊	
morning set	1295 Jan 13 j 15:02	21°♋57'47		desc. node	1295 Dec 12 j 21:49	13°♊38'40	
	1295 Jan 18 j 11:25	0°♌		morning set	1295 Dec 23 j 23:07	0°♋31'54	
max. Earth dist.	1295 Jan 18 j 20:15	0°♌37'20	1.40656 AU		1295 Dec 23 j 14:58	0°♋	
				max. Earth dist.	1295 Dec 31 j 23:43	13°♋21'05	1.42601 AU
superior conj	1295 Jan 26 j 15:37	14°♌14'05	-2°00'58				
minimum elong	1295 Jan 26 j 17:57	14°♌24'36	2°00'52	superior conj	1296 Jan 08 j 01:31	25°♋08'21	-2°03'01
	1295 Feb 04 j 04:44	0°♌		minimum elong	1296 Jan 07 j 23:46	25°♋00'56	2°02'58
evening rise	1295 Feb 05 j 18:24	2°♌57'02			1296 Jan 10 j 21:29	0°♌	
asc. node	1295 Feb 13 j 05:44	16°♌36'58		evening rise	1296 Jan 19 j 15:21	15°♌28'05	
evening max el	1295 Feb 22 j 00:06	28°♌55'49	18°19'39		1296 Jan 27 j 21:19	0°♌	
	1295 Feb 23 j 04:36	0°♍		asc. node	1296 Jan 31 j 02:45	5°♌09'26	
retrograde	1295 Mar 01 j 05:10	2°♍30'39		evening max el	1296 Feb 05 j 10:52	11°♌57'23	18°07'32
evening set	1295 Mar 03 j 17:01	2°♍06'01		retrograde	1296 Feb 12 j 02:04	15°♌21'59	
	1295 Mar 07 j 15:44	30°♌		evening set	1296 Feb 14 j 18:58	14°♌47'58	
inferior conj	1295 Mar 10 j 20:59	27°♌27'01	3°08'57	inferior conj	1296 Feb 21 j 08:13	9°♌47'58	3°39'22
minimum elong	1295 Mar 11 j 00:28	27°♌19'38	3°08'18	minimum elong	1296 Feb 21 j 09:44	9°♌44'17	3°39'15
min. Earth dist.	1295 Mar 14 j 07:19	24°♌34'26	0.59209 AU	min. Earth dist.	1296 Feb 24 j 10:53	6°♌47'00	0.61338 AU
morning rise	1295 Mar 18 j 05:27	21°♌52'06		morning rise	1296 Feb 27 j 22:55	3°♌55'14	
desc. node	1295 Mar 23 j 23:59	20°♌06'10		direct	1296 Mar 05 j 19:04	1°♌34'22	
direct	1295 Mar 24 j 12:50	20°♌05'24		desc. node	1296 Mar 09 j 21:01	2°♌20'12	
morning max el	1295 Apr 07 j 20:58	27°♌49'34	27°10'29	morning max el	1296 Mar 19 j 23:20	9°♌27'17	27°45'28
	1295 Apr 09 j 23:37	0°♍			1296 Apr 04 j 20:26	0°♍	
	1295 Apr 30 j 09:37	0°♎		morning set	1296 Apr 21 j 18:20	0°♋31'48	
morning set	1295 May 08 j 13:09	15°♎59'02			1296 Apr 21 j 12:07	0°♎	
asc. node	1295 May 12 j 05:01	23°♎47'10		max. Earth dist.	1296 Apr 27 j 18:19	13°♎15'01	1.32401 AU
	1295 May 15 j 01:14	0°♏		asc. node	1296 Apr 28 j 02:04	13°♎57'07	
superior conj	1295 May 15 j 15:27	1°♏18'10	0°35'39				
minimum elong	1295 May 15 j 13:56	1°♏09'51	0°35'21	superior conj	1296 Apr 29 j 02:12	16°♎08'43	0°10'38
max. Earth dist.	1295 May 15 j 07:12	0°♏32'49	1.32237 AU	minimum elong	1296 Apr 29 j 01:42	16°♎06'02	0°10'32
evening rise	1295 May 22 j 12:34	16°♏14'24		behind sun begin	1296 Apr 28 j 21:53	15°♎45'07	
	1295 May 29 j 09:34	0°♏		behind sun end	1296 Apr 29 j 05:32	16°♎26'58	
	1295 Jun 18 j 18:19	0°♏			1296 May 05 j 11:06	0°♏	
desc. node	1295 Jun 19 j 23:17	1°♏12'26		evening rise	1296 May 05 j 23:48	1°♏07'32	
evening max el	1295 Jun 20 j 06:52	1°♏30'38	26°12'04		1296 May 21 j 19:22	0°♏	
retrograde	1295 Jul 04 j 06:53	8°♏42'04		evening max el	1296 May 31 j 23:35	12°♏29'06	24°52'03
evening set	1295 Jul 10 j 16:27	7°♏01'45		desc. node	1296 Jun 05 j 20:18	16°♏27'10	
min. Earth dist.	1295 Jul 14 j 19:37	4°♏25'01	0.59257 AU	retrograde	1296 Jun 14 j 22:48	19°♏34'25	
inferior conj	1295 Jul 18 j 03:15	1°♏53'43	-4°50'06	evening set	1296 Jun 20 j 03:30	18°♏32'53	
minimum elong	1295 Jul 18 j 05:23	1°♏49'38	4°49'58	min. Earth dist.	1296 Jun 25 j 10:56	15°♏43'59	0.57288 AU
	1295 Jul 20 j 17:07	30°♏		inferior conj	1296 Jun 28 j 09:56	13°♏46'49	-4°48'25
morning rise	1295 Jul 25 j 20:26	27°♏23'24		minimum elong	1296 Jun 28 j 07:18	13°♏51'12	4°48'14
direct	1295 Jul 28 j 08:00	27°♏02'10		morning rise	1296 Jul 06 j 13:49	9°♏38'23	
	1295 Aug 04 j 06:51	0°♏		direct	1296 Jul 09 j 04:06	9°♏19'10	
morning max el	1295 Aug 05 j 04:06	0°♏47'56	18°25'54	morning max el	1296 Jul 18 j 04:58	13°♏32'10	19°13'39
asc. node	1295 Aug 08 j 04:12	4°♏09'21		asc. node	1296 Jul 25 j 01:16	22°♏08'44	
morning set	1295 Aug 21 j 05:59	26°♏24'04			1296 Jul 29 j 15:55	0°♏	
	1295 Aug 23 j 02:58	0°♐		morning set	1296 Aug 04 j 05:01	10°♏41'02	
superior conj	1295 Aug 30 j 07:22	13°♐35'31	1°35'59				
minimum elong	1295 Aug 30 j 10:23	13°♐49'24	1°35'46	superior conj	1296 Aug 12 j 10:10	26°♏57'35	1°45'05
max. Earth dist.	1295 Sep 06 j 18:10	26°♐55'06	1.40315 AU	minimum elong	1296 Aug 12 j 11:11	27°♏02'30	1°45'04
					1296 Aug 14 j 00:01	0°♐	
				max. Earth dist.	1296 Aug 18 j 21:43	9°♐09'55	1.38271 AU

evening rise	1296 Aug 22 j 16:34	15° $\mathbb{M}$ 55'26			1297 Aug 05 j 22:32	0° $\mathbb{M}$	
	1296 Aug 31 j 02:38	0° $\mathbb{A}$		desc. node	1297 Aug 19 j 16:40	23° $\mathbb{M}$ 01'15	
desc. node	1296 Sep 01 j 19:37	2° $\mathbb{A}$ 42'16			1297 Aug 24 j 09:29	0° $\mathbb{A}$	
	1296 Sep 21 j 07:18	0° $\mathbb{M}$		evening max el	1297 Sep 09 j 20:34	20° $\mathbb{A}$ 19'38	26°01'37
evening max el	1296 Sep 27 j 08:47	6° $\mathbb{M}$ 40'49	24°52'25	retrograde	1297 Sep 22 j 09:04	27° $\mathbb{A}$ 26'41	
retrograde	1296 Oct 09 j 00:32	13° $\mathbb{M}$ 27'35		evening set	1297 Sep 28 j 14:42	24° $\mathbb{A}$ 50'43	
evening set	1296 Oct 14 j 16:03	11° $\mathbb{M}$ 05'05		min. Earth dist.	1297 Oct 02 j 20:33	20° $\mathbb{A}$ 16'31	0.66644 AU
min. Earth dist.	1296 Oct 19 j 05:29	5° $\mathbb{M}$ 55'10	0.67346 AU	inferior conj	1297 Oct 04 j 05:37	18° $\mathbb{A}$ 33'02	-1°15'03
inferior conj	1296 Oct 20 j 03:27	4° $\mathbb{M}$ 42'38	-0°18'08	minimum elong	1297 Oct 04 j 07:34	18° $\mathbb{A}$ 26'55	1°14'14
minimum elong	1296 Oct 20 j 03:54	4° $\mathbb{M}$ 41'09	0°17'57	asc. node	1297 Oct 07 j 21:30	14° $\mathbb{A}$ 21'51	
asc. node	1296 Oct 21 j 00:27	3° $\mathbb{M}$ 33'45		morning rise	1297 Oct 10 j 00:48	12° $\mathbb{A}$ 41'07	
	1296 Oct 24 j 02:14	30° $\mathbb{R}$ $\mathbb{A}$		direct	1297 Oct 13 j 04:38	11° $\mathbb{A}$ 43'50	
morning rise	1296 Oct 25 j 15:52	28° $\mathbb{A}$ 41'40		morning max el	1297 Oct 20 j 02:08	15° $\mathbb{A}$ 34'49	18°57'36
direct	1296 Oct 29 j 06:09	27° $\mathbb{A}$ 27'11			1297 Oct 30 j 21:22	0° $\mathbb{M}$	
	1296 Nov 03 j 21:11	0° $\mathbb{M}$		morning set	1297 Nov 11 j 04:24	17° $\mathbb{M}$ 33'52	
morning max el	1296 Nov 05 j 18:21	1° $\mathbb{M}$ 44'10	19°52'51	desc. node	1297 Nov 15 j 15:55	24° $\mathbb{M}$ 35'42	
	1296 Nov 26 j 03:49	0° $\mathbb{X}$			1297 Nov 19 j 02:38	0° $\mathbb{X}$	
desc. node	1296 Nov 28 j 18:52	4° $\mathbb{X}$ 01'20		max. Earth dist.	1297 Nov 26 j 02:19	10° $\mathbb{X}$ 58'06	1.44945 AU
morning set	1296 Dec 01 j 19:11	8° $\mathbb{X}$ 39'52					
max. Earth dist.	1296 Dec 13 j 10:17	26° $\mathbb{X}$ 52'58	1.44091 AU	superior conj	1297 Nov 27 j 17:26	13° $\mathbb{X}$ 32'05	-1°14'41
	1296 Dec 15 j 09:06	0° $\mathbb{Z}$		minimum elong	1297 Nov 27 j 09:01	12° $\mathbb{X}$ 58'56	1°13'45
					1297 Dec 08 j 01:44	0° $\mathbb{Z}$	
superior conj	1296 Dec 18 j 08:58	4° $\mathbb{Z}$ 49'49	-1°48'13	evening rise	1297 Dec 12 j 22:02	7° $\mathbb{Z}$ 50'24	
minimum elong	1296 Dec 18 j 02:02	4° $\mathbb{Z}$ 21'43	1°47'44		1297 Dec 26 j 18:55	0° $\mathbb{A}$	
evening rise	1296 Dec 31 j 17:52	27° $\mathbb{Z}$ 07'58		evening max el	1298 Jan 02 j 11:02	8° $\mathbb{A}$ 37'33	18°40'14
	1297 Jan 02 j 10:09	0° $\mathbb{A}$		asc. node	1298 Jan 03 j 20:48	9° $\mathbb{A}$ 56'56	
asc. node	1297 Jan 16 j 23:47	23° $\mathbb{A}$ 00'06		retrograde	1298 Jan 09 j 02:46	12° $\mathbb{A}$ 19'55	
evening max el	1297 Jan 18 j 23:23	25° $\mathbb{A}$ 13'14	18°14'41	evening set	1298 Jan 12 j 06:08	11° $\mathbb{A}$ 24'07	
retrograde	1297 Jan 25 j 10:41	28° $\mathbb{A}$ 41'05		inferior conj	1298 Jan 18 j 00:34	5° $\mathbb{A}$ 46'34	3°34'11
evening set	1297 Jan 28 j 08:28	27° $\mathbb{A}$ 56'43		minimum elong	1298 Jan 17 j 22:44	5° $\mathbb{A}$ 52'08	3°33'56
inferior conj	1297 Feb 03 j 10:44	22° $\mathbb{A}$ 37'01	3°45'36	min. Earth dist.	1298 Jan 19 j 22:05	3° $\mathbb{A}$ 29'30	0.64979 AU
minimum elong	1297 Feb 03 j 10:16	22° $\mathbb{A}$ 38'17	3°45'35		1298 Jan 23 j 04:50	30° $\mathbb{R}$ $\mathbb{Z}$	
min. Earth dist.	1297 Feb 05 j 23:42	19° $\mathbb{A}$ 50'08	0.63317 AU	morning rise	1298 Jan 23 j 14:52	29° $\mathbb{Z}$ 37'49	
morning rise	1297 Feb 09 j 11:12	16° $\mathbb{A}$ 33'59		direct	1298 Jan 30 j 08:35	26° $\mathbb{Z}$ 45'35	
direct	1297 Feb 16 j 10:11	13° $\mathbb{A}$ 49'59			1298 Feb 07 j 11:39	0° $\mathbb{A}$	
desc. node	1297 Feb 24 j 18:03	17° $\mathbb{A}$ 00'16		desc. node	1298 Feb 11 j 15:06	3° $\mathbb{A}$ 30'37	
morning max el	1297 Mar 02 j 06:39	21° $\mathbb{A}$ 44'42	27°43'08	morning max el	1298 Feb 12 j 16:09	4° $\mathbb{A}$ 32'01	27°06'41
	1297 Mar 09 j 12:11	0° $\mathbb{X}$			1298 Mar 04 j 00:46	0° $\mathbb{X}$	
	1297 Mar 28 j 23:17	0° $\mathbb{Y}$		morning set	1298 Mar 20 j 06:39	28° $\mathbb{X}$ 21'16	
morning set	1297 Apr 05 j 17:09	14° $\mathbb{Y}$ 42'24			1298 Mar 21 j 02:58	0° $\mathbb{Y}$	
max. Earth dist.	1297 Apr 10 j 23:57	25° $\mathbb{Y}$ 36'05	1.32965 AU	max. Earth dist.	1298 Mar 24 j 20:18	7° $\mathbb{Y}$ 25'36	1.33969 AU
superior conj	1297 Apr 13 j 10:10	0° $\mathbb{B}$ 46'52	-0°16'11	superior conj	1298 Mar 28 j 13:23	15° $\mathbb{Y}$ 06'25	-0°43'45
minimum elong	1297 Apr 13 j 10:57	0° $\mathbb{B}$ 51'06	0°16'01	minimum elong	1298 Mar 28 j 15:33	15° $\mathbb{Y}$ 17'49	0°43'19
	1297 Apr 13 j 01:27	0° $\mathbb{B}$		asc. node	1298 Apr 01 j 20:09	24° $\mathbb{Y}$ 10'05	
asc. node	1297 Apr 14 j 23:06	4° $\mathbb{B}$ 06'04		evening rise	1298 Apr 04 j 22:12	0° $\mathbb{B}$ 40'38	
evening rise	1297 Apr 20 j 11:38	15° $\mathbb{B}$ 58'19			1298 Apr 04 j 14:26	0° $\mathbb{B}$	
	1297 Apr 27 j 11:48	0° $\mathbb{I}$			1298 Apr 21 j 23:19	0° $\mathbb{I}$	
evening max el	1297 May 13 j 13:32	23° $\mathbb{I}$ 01'49	23°17'40	evening max el	1298 Apr 25 j 08:10	3° $\mathbb{I}$ 40'16	21°44'01
desc. node	1297 May 23 j 17:19	29° $\mathbb{I}$ 21'29		retrograde	1298 May 07 j 18:39	9° $\mathbb{I}$ 45'46	
retrograde	1297 May 27 j 02:30	29° $\mathbb{I}$ 47'32		evening set	1298 May 10 j 07:30	9° $\mathbb{I}$ 31'20	
evening set	1297 May 30 j 19:21	29° $\mathbb{I}$ 17'27		desc. node	1298 May 10 j 14:20	9° $\mathbb{I}$ 27'58	
min. Earth dist.	1297 Jun 06 j 23:26	26° $\mathbb{I}$ 01'56	0.55753 AU	inferior conj	1298 May 19 j 17:27	5° $\mathbb{I}$ 28'52	-2°33'40
inferior conj	1297 Jun 08 j 20:46	24° $\mathbb{I}$ 55'11	-4°04'14	minimum elong	1298 May 19 j 10:42	5° $\mathbb{I}$ 38'19	2°31'30
minimum elong	1297 Jun 08 j 13:41	25° $\mathbb{I}$ 05'39	4°02'44	min. Earth dist.	1298 May 19 j 11:44	5° $\mathbb{I}$ 36'52	0.54985 AU
morning rise	1297 Jun 17 j 10:39	21° $\mathbb{I}$ 00'47		morning rise	1298 May 28 j 14:55	1° $\mathbb{I}$ 33'11	
direct	1297 Jun 20 j 04:55	20° $\mathbb{I}$ 42'16		direct	1298 May 31 j 17:04	1° $\mathbb{I}$ 12'10	
morning max el	1297 Jun 30 j 19:14	25° $\mathbb{I}$ 36'34	20°22'30	morning max el	1298 Jun 12 j 22:11	6° $\mathbb{I}$ 57'16	21°50'09
	1297 Jul 04 j 19:32	0° $\mathbb{O}$		asc. node	1298 Jun 28 j 19:24	0° $\mathbb{O}$ 02'38	
asc. node	1297 Jul 11 j 22:19	10° $\mathbb{O}$ 49'48			1298 Jun 28 j 18:51	0° $\mathbb{O}$	
morning set	1297 Jul 19 j 10:18	25° $\mathbb{O}$ 16'59		morning set	1298 Jul 03 j 19:35	10° $\mathbb{O}$ 05'48	
	1297 Jul 21 j 17:25	0° $\mathbb{O}$					
				superior conj	1298 Jul 11 j 02:08	25° $\mathbb{O}$ 25'29	1°38'46
superior conj	1297 Jul 27 j 01:43	10° $\mathbb{O}$ 58'03	1°45'26	minimum elong	1298 Jul 11 j 00:20	25° $\mathbb{O}$ 15'59	1°38'37
minimum elong	1297 Jul 27 j 01:02	10° $\mathbb{O}$ 54'38	1°45'25		1298 Jul 13 j 06:58	0° $\mathbb{O}$	
max. Earth dist.	1297 Aug 01 j 03:32	21° $\mathbb{O}$ 00'49	1.36364 AU	max. Earth dist.	1298 Jul 14 j 17:20	2° $\mathbb{O}$ 55'48	1.34772 AU
evening rise	1297 Aug 05 j 02:46	28° $\mathbb{O}$ 29'31		evening rise	1298 Jul 19 j 05:56	11° $\mathbb{O}$ 53'17	

	1298 Jul 29 j 07:40	0°♍			1299 Jul 04 j 23:31	0°♎	
desc. node	1298 Aug 06 j 13:41	12°♍59'18			1299 Jul 22 j 17:09	0°♍	
	1298 Aug 19 j 14:32	0°♎		desc. node	1299 Jul 24 j 10:43	2°♍27'26	
evening max el	1298 Aug 23 j 08:51	3°♎54'20	26°54'05	evening max el	1299 Aug 05 j 20:31	17°♍13'28	27°22'30
retrograde	1298 Sep 05 j 12:11	11°♎10'42		retrograde	1299 Aug 19 j 09:23	24°♍31'42	
evening set	1298 Sep 12 j 06:23	8°♎27'07		evening set	1299 Aug 26 j 12:21	21°♍49'31	
min. Earth dist.	1298 Sep 16 j 05:13	4°♎29'39	0.65594 AU	min. Earth dist.	1299 Aug 30 j 05:13	18°♍27'19	0.64185 AU
inferior conj	1298 Sep 18 j 02:20	2°♎18'41	-2°12'40	inferior conj	1299 Sep 01 j 15:10	15°♍54'19	-3°08'29
minimum elong	1298 Sep 18 j 05:48	2°♎08'34	2°11'20	minimum elong	1299 Sep 01 j 19:54	15°♍41'50	3°06'57
	1298 Sep 20 j 03:39	30°♍		morning rise	1299 Sep 08 j 04:25	10°♍30'18	
morning rise	1298 Sep 24 j 05:52	26°♍38'56		direct	1299 Sep 10 j 18:36	9°♍56'18	
asc. node	1298 Sep 24 j 18:34	26°♍24'07		asc. node	1299 Sep 11 j 15:38	10°♍00'15	
direct	1298 Sep 27 j 01:37	25°♍55'04		morning max el	1299 Sep 17 j 06:59	13°♍22'34	17°56'46
morning max el	1298 Oct 03 j 15:12	29°♍29'27	18°18'37		1299 Sep 28 j 19:30	0°♎	
	1298 Oct 04 j 03:02	0°♎		morning set	1299 Oct 04 j 10:20	9°♎33'13	
morning set	1298 Oct 22 j 17:29	27°♎52'56			1299 Oct 16 j 15:47	0°♍	
	1298 Oct 24 j 00:43	0°♍					
desc. node	1298 Nov 02 j 12:58	15°♍17'50		superior conj	1299 Oct 17 j 10:32	1°♍16'13	0°19'55
				minimum elong	1299 Oct 17 j 12:46	1°♍25'17	0°19'36
superior conj	1298 Nov 06 j 18:47	22°♍00'59	-0°27'59	desc. node	1299 Oct 20 j 10:00	6°♍04'24	
minimum elong	1298 Nov 06 j 15:08	21°♍46'37	0°27'29	max. Earth dist.	1299 Oct 22 j 15:56	9°♍39'36	1.44463 AU
max. Earth dist.	1298 Nov 08 j 21:19	25°♍19'59	1.45073 AU	evening rise	1299 Nov 02 j 14:35	26°♍45'30	
	1298 Nov 11 j 20:40	0°♎			1299 Nov 04 j 17:13	0°♎	
evening rise	1298 Nov 23 j 02:55	17°♎37'04			1299 Nov 25 j 05:09	0°♎	
	1298 Dec 01 j 01:12	0°♎		evening max el	1299 Nov 29 j 23:07	5°♎35'19	20°20'24
greatest brilliancy	1298 Dec 04 j 08:06	5°♎04'28	-0.7m	retrograde	1299 Dec 07 j 20:50	10°♎14'27	
evening max el	1298 Dec 16 j 19:31	22°♎05'37	19°22'47	asc. node	1299 Dec 08 j 14:52	10°♎11'16	
asc. node	1298 Dec 21 j 17:50	25°♎45'20		evening set	1299 Dec 11 j 15:34	8°♎51'33	
retrograde	1298 Dec 23 j 23:01	26°♎12'18		inferior conj	1299 Dec 17 j 01:32	2°♎45'21	2°35'36
evening set	1298 Dec 27 j 09:14	25°♎03'43		minimum elong	1299 Dec 16 j 22:52	2°♎54'21	2°34'48
inferior conj	1299 Jan 01 j 22:23	19°♎10'25	3°09'46	min. Earth dist.	1299 Dec 17 j 18:48	1°♎46'56	0.67131 AU
minimum elong	1299 Jan 01 j 19:50	19°♎18'41	3°09'12		1299 Dec 19 j 03:11	30°♎	
min. Earth dist.	1299 Jan 03 j 05:00	17°♎31'31	0.66255 AU	morning rise	1299 Dec 22 j 06:00	26°♎32'10	
morning rise	1299 Jan 07 j 06:12	12°♎58'35		direct	1299 Dec 27 j 22:42	24°♎00'43	
direct	1299 Jan 13 j 12:59	10°♎11'49			1300 Jan 07 j 13:22	0°♎	
morning max el	1299 Jan 26 j 01:30	17°♎36'51	26°03'18	morning max el	1300 Jan 08 j 10:03	0°♎51'03	24°42'29
desc. node	1299 Jan 29 j 12:09	21°♎19'38		desc. node	1300 Jan 16 j 09:11	10°♎04'55	
	1299 Feb 05 j 11:04	0°♎			1300 Jan 30 j 10:30	0°♎	
	1299 Feb 24 j 23:46	0°♎		morning set	1300 Feb 13 j 11:59	23°♎09'43	
morning set	1299 Mar 03 j 06:40	11°♎15'04		max. Earth dist.	1300 Feb 17 j 03:47	29°♎44'28	1.37314 AU
max. Earth dist.	1299 Mar 07 j 04:58	18°♎41'51	1.35436 AU		1300 Feb 17 j 07:10	0°♎	
superior conj	1299 Mar 12 j 09:16	28°♎58'45	-1°10'43	superior conj	1300 Feb 23 j 18:47	12°♎15'50	-1°35'05
minimum elong	1299 Mar 12 j 12:42	29°♎16'10	1°10'09	minimum elong	1300 Feb 23 j 22:55	12°♎35'56	1°34'35
	1299 Mar 12 j 21:20	0°♎		evening rise	1300 Mar 03 j 07:10	29°♎11'09	
asc. node	1299 Mar 19 j 17:11	14°♎04'00			1300 Mar 03 j 16:59	0°♎	
evening rise	1299 Mar 20 j 05:27	15°♎06'57		asc. node	1300 Mar 05 j 14:12	3°♎43'19	
	1299 Mar 27 j 21:54	0°♎		evening max el	1300 Mar 20 j 04:56	26°♎33'23	19°18'59
evening max el	1299 Apr 07 j 12:50	14°♎47'33	20°22'29		1300 Mar 25 j 01:05	0°♎	
retrograde	1299 Apr 18 j 07:54	20°♎00'38		retrograde	1300 Mar 29 j 07:35	0°♎57'21	
evening set	1299 Apr 20 j 09:43	19°♎49'53		evening set	1300 Mar 31 j 10:33	0°♎44'03	
desc. node	1299 Apr 27 j 11:22	17°♎02'25			1300 Apr 02 j 19:43	30°♎	
inferior conj	1299 Apr 29 j 12:28	15°♎51'55	-0°35'37	inferior conj	1300 Apr 08 j 19:57	26°♎35'26	1°15'57
minimum elong	1299 Apr 29 j 10:48	15°♎54'22	0°35'00	minimum elong	1300 Apr 08 j 22:55	26°♎30'32	1°14'58
min. Earth dist.	1299 May 01 j 00:43	14°♎59'00	0.55161 AU	min. Earth dist.	1300 Apr 11 j 15:24	24°♎44'18	0.56248 AU
morning rise	1299 May 08 j 10:35	11°♎36'20		desc. node	1300 Apr 13 j 08:23	23°♎41'28	
direct	1299 May 12 j 04:39	11°♎05'50		morning rise	1300 Apr 17 j 08:24	21°♎46'42	
morning max el	1299 May 25 j 16:07	17°♎40'22	23°30'08	direct	1300 Apr 22 j 02:23	20°♎55'01	
	1299 Jun 04 j 16:16	0°♎		morning max el	1300 May 06 j 06:37	28°♎07'53	25°10'11
asc. node	1299 Jun 15 j 16:28	19°♎38'24			1300 May 08 j 03:07	0°♎	
morning set	1299 Jun 18 j 07:00	25°♎01'30			1300 May 27 j 21:08	0°♎	
	1299 Jun 20 j 15:10	0°♎		morning set	1300 Jun 01 j 18:50	9°♎58'30	
				asc. node	1300 Jun 01 j 13:30	9°♎30'24	
superior conj	1299 Jun 25 j 08:28	10°♎10'22	1°26'27	superior conj	1300 Jun 08 j 18:22	25°♎05'14	1°09'33
minimum elong	1299 Jun 25 j 06:06	9°♎57'40	1°26'09	minimum elong	1300 Jun 08 j 15:59	24°♎52'12	1°09'10
max. Earth dist.	1299 Jun 27 j 16:39	15°♎10'12	1.33559 AU	max. Earth dist.	1300 Jun 09 j 23:38	27°♎44'40	1.32737 AU
evening rise	1299 Jul 02 j 21:32	25°♎53'46					

	1300 Jun 11 j 00:36	0°☿		evening rise	1301 May 31 j 04:21	25°♄03'08	
evening rise	1300 Jun 15 j 21:57	10°☿19'57			1301 Jun 02 j 13:59	0°☿	
	1300 Jun 26 j 06:26	0°♌			1301 Jun 20 j 01:02	0°♌	
desc. node	1300 Jul 10 j 07:43	21°♌12'52		desc. node	1301 Jun 27 j 04:43	8°♌57'54	
evening max el	1300 Jul 18 j 05:15	0°♍03'22	27°20'59	evening max el	1301 Jun 30 j 08:40	12°♌12'55	26°46'30
	1300 Jul 18 j 03:50	0°♍		retrograde	1301 Jul 14 j 07:46	19°♌27'22	
retrograde	1300 Aug 01 j 00:11	7°♍20'14		evening set	1301 Jul 21 j 03:55	17°♌26'07	
evening set	1300 Aug 08 j 05:00	4°♍51'33		min. Earth dist.	1301 Jul 24 j 22:30	14°♌48'13	0.60439 AU
min. Earth dist.	1300 Aug 11 j 18:56	1°♍58'09	0.62438 AU	inferior conj	1301 Jul 28 j 05:06	12°♌05'55	-4°37'05
	1300 Aug 13 j 21:20	30°♋♌		minimum elong	1301 Jul 28 j 09:01	11°♌57'48	4°36'34
inferior conj	1300 Aug 14 j 17:13	29°♌12'45	-3°58'42	morning rise	1301 Aug 04 j 16:03	7°♌22'42	
minimum elong	1300 Aug 14 j 22:21	29°♌00'37	3°57'28	direct	1301 Aug 07 j 02:36	6°♌59'59	
morning rise	1300 Aug 21 j 17:08	24°♌07'49		morning max el	1301 Aug 14 j 10:56	10°♌35'58	18°08'04
direct	1300 Aug 24 j 04:14	23°♌40'41		asc. node	1301 Aug 15 j 09:45	11°♌34'12	
asc. node	1300 Aug 28 j 12:42	25°♌07'46			1301 Aug 27 j 05:48	0°♍	
morning max el	1300 Aug 30 j 22:35	27°♌07'14	17°52'53	morning set	1301 Aug 30 j 07:49	5°♍44'39	
	1300 Sep 02 j 11:42	0°♍					
morning set	1300 Sep 16 j 01:03	22°♍15'44		superior conj	1301 Sep 09 j 00:39	23°♍39'35	1°25'56
	1300 Sep 20 j 09:10	0°♎		minimum elong	1301 Sep 09 j 04:41	23°♍57'39	1°25'33
					1301 Sep 12 j 14:44	0°♎	
superior conj	1300 Sep 27 j 04:30	11°♎49'12	0°59'05	max. Earth dist.	1301 Sep 16 j 15:44	6°♎55'17	1.41453 AU
minimum elong	1300 Sep 27 j 09:09	12°♎09'01	0°58'30	evening rise	1301 Sep 21 j 22:35	15°♎38'09	
max. Earth dist.	1300 Oct 04 j 06:41	23°♎36'23	1.43200 AU	desc. node	1301 Sep 23 j 04:03	17°♎36'33	
desc. node	1300 Oct 06 j 07:01	26°♎51'37			1301 Oct 01 j 03:17	0°♏	
	1300 Oct 08 j 06:12	0°♏			1301 Oct 23 j 02:59	0°♏	
evening rise	1300 Oct 11 j 23:27	5°♏51'05		evening max el	1301 Oct 25 j 13:34	2°♏36'25	22°48'08
	1300 Oct 28 j 01:53	0°♏		retrograde	1301 Nov 04 j 13:09	8°♏32'10	
evening max el	1300 Nov 11 j 20:56	19°♏04'58	21°30'18	evening set	1301 Nov 09 j 06:30	6°♏36'32	
retrograde	1300 Nov 20 j 18:06	24°♏22'00		asc. node	1301 Nov 11 j 08:57	4°♏30'17	
asc. node	1300 Nov 24 j 11:54	23°♏04'23		inferior conj	1301 Nov 14 j 15:05	0°♏15'05	1°06'03
evening set	1300 Nov 24 j 23:13	22°♏43'19		minimum elong	1301 Nov 14 j 13:37	0°♏20'10	1°05'27
inferior conj	1300 Nov 30 j 07:44	16°♏27'34	1°53'50	min. Earth dist.	1301 Nov 14 j 09:47	0°♏33'25	0.67777 AU
minimum elong	1300 Nov 30 j 05:27	16°♏35'27	1°53'00		1301 Nov 14 j 19:27	30°♋♏	
min. Earth dist.	1300 Nov 30 j 13:11	16°♏08'42	0.67626 AU	morning rise	1301 Nov 19 j 20:36	24°♏04'54	
morning rise	1300 Dec 05 j 11:33	10°♏14'51		direct	1301 Nov 24 j 07:24	22°♏16'54	
direct	1300 Dec 10 j 13:05	8°♏04'13		morning max el	1301 Dec 03 j 08:12	27°♏35'24	21°48'19
morning max el	1300 Dec 20 j 19:13	14°♏10'02	23°14'25		1301 Dec 05 j 14:10	0°♏	
desc. node	1301 Jan 02 j 06:13	29°♏29'47		desc. node	1301 Dec 20 j 03:16	19°♏23'06	
	1301 Jan 02 j 14:58	0°♐			1301 Dec 27 j 06:18	0°♐	
	1301 Jan 22 j 09:07	0°♐		morning set	1302 Jan 04 j 15:28	13°♐04'07	
morning set	1301 Jan 24 j 16:19	3°♐49'01		max. Earth dist.	1302 Jan 10 j 21:15	23°♐14'21	1.41523 AU
max. Earth dist.	1301 Jan 28 j 22:45	11°♐05'43	1.39429 AU		1302 Jan 14 j 21:28	0°♐	
superior conj	1301 Feb 05 j 13:51	24°♐47'18	-1°54'01	superior conj	1302 Jan 18 j 13:25	6°♐20'49	-2°03'36
minimum elong	1301 Feb 05 j 17:25	25°♐03'51	1°53'46	minimum elong	1302 Jan 18 j 14:19	6°♐24'46	2°03'35
	1301 Feb 08 j 08:41	0°♑		evening rise	1302 Jan 29 j 06:05	25°♐42'23	
evening rise	1301 Feb 15 j 00:32	12°♑45'46			1302 Jan 31 j 14:03	0°♑	
asc. node	1301 Feb 20 j 11:14	23°♑02'33		asc. node	1302 Feb 07 j 08:15	11°♑54'38	
	1301 Feb 24 j 11:57	0°♒		evening max el	1302 Feb 14 j 15:16	21°♑46'03	18°12'10
evening max el	1301 Mar 03 j 06:46	8°♒55'45	18°35'32	retrograde	1302 Feb 21 j 13:07	25°♑14'35	
retrograde	1301 Mar 11 j 01:17	12°♒43'53		evening set	1302 Feb 24 j 03:09	24°♑46'10	
evening set	1301 Mar 13 j 09:41	12°♒24'13		inferior conj	1302 Mar 03 j 00:26	19°♑58'30	3°25'17
inferior conj	1301 Mar 20 j 23:47	7°♒57'25	2°37'40	minimum elong	1302 Mar 03 j 03:09	19°♑52'23	3°24'53
minimum elong	1301 Mar 21 j 03:53	7°♒49'28	2°36'38	min. Earth dist.	1302 Mar 06 j 08:49	16°♑58'58	0.60117 AU
min. Earth dist.	1301 Mar 24 j 09:25	5°♒20'41	0.58013 AU	morning rise	1302 Mar 10 j 00:59	14°♑14'54	
morning rise	1301 Mar 28 j 19:05	2°♒36'28		direct	1302 Mar 16 j 15:13	12°♑12'19	
desc. node	1301 Mar 31 j 05:23	1°♒40'19		desc. node	1302 Mar 18 j 02:26	12°♑18'11	
direct	1301 Apr 03 j 14:31	1°♒11'13		morning max el	1302 Mar 30 j 22:05	20°♑01'41	27°29'52
morning max el	1301 Apr 17 j 23:33	8°♒48'16	26°34'36		1302 Apr 08 j 11:03	0°♒	
	1301 May 04 j 00:09	0°♓			1302 Apr 26 j 18:55	0°♓	
morning set	1301 May 17 j 05:31	24°♓51'24		morning set	1302 May 01 j 13:14	9°♓33'09	
asc. node	1301 May 19 j 10:32	29°♓33'22		asc. node	1302 May 06 j 07:33	19°♓41'52	
	1301 May 19 j 15:29	0°♔		max. Earth dist.	1302 May 07 j 23:14	23°♓18'33	1.32252 AU
superior conj	1301 May 24 j 05:59	10°♔03'43	0°48'56	superior conj	1302 May 08 j 17:31	24°♓58'49	0°25'19
minimum elong	1301 May 24 j 04:02	9°♔53'01	0°48'34	minimum elong	1302 May 08 j 16:24	24°♓52'41	0°25'05
max. Earth dist.	1301 May 24 j 11:03	10°♔31'36	1.32302 AU		1302 May 11 j 00:22	0°♔	

evening rise	1302 May 15 j 14:24	9° $\Pi$ 54'33		superior conj	1303 Apr 23 j 03:19	9° $\mathcal{B}$ 44'55	-0°00'34
	1302 May 25 j 22:38	0° $\mathfrak{D}$		minimum elong	1303 Apr 23 j 03:20	9° $\mathcal{B}$ 45'03	0°00'34
evening max el	1302 Jun 12 j 05:14	23° $\mathfrak{D}$ 36'01	25°40'50	behind sun begin	1303 Apr 22 j 22:12	9° $\mathcal{B}$ 17'06	
desc. node	1302 Jun 14 j 01:44	25° $\mathfrak{D}$ 16'34		behind sun end	1303 Apr 23 j 08:29	10° $\mathcal{B}$ 13'01	
	1302 Jun 21 j 20:14	0° $\Omega$		asc. node	1303 Apr 23 j 04:37	9° $\mathcal{B}$ 51'57	
retrograde	1302 Jun 26 j 06:03	0° $\Omega$ 45'54		evening rise	1303 Apr 30 j 02:08	24° $\mathcal{B}$ 47'39	
	1302 Jun 30 j 15:08	30° $\mathcal{R}$ $\mathfrak{D}$			1303 May 02 j 14:02	0° $\Pi$	
evening set	1302 Jul 02 j 04:30	29° $\mathfrak{D}$ 22'26			1303 May 20 j 19:34	0° $\mathfrak{D}$	
min. Earth dist.	1302 Jul 06 j 17:33	26° $\mathfrak{D}$ 42'18	0.58383 AU	evening max el	1303 May 24 j 20:13	4° $\mathfrak{D}$ 20'35	24°12'44
inferior conj	1302 Jul 09 j 23:13	24° $\mathfrak{D}$ 23'14	-4°53'50	desc. node	1303 May 31 j 22:45	9° $\mathfrak{D}$ 35'55	
minimum elong	1302 Jul 09 j 23:32	24° $\mathfrak{D}$ 22'40	4°53'50	retrograde	1303 Jun 07 j 16:25	11° $\mathfrak{D}$ 18'52	
morning rise	1302 Jul 17 j 20:59	20° $\mathfrak{D}$ 02'25		evening set	1303 Jun 12 j 06:02	10° $\mathfrak{D}$ 32'30	
direct	1302 Jul 20 j 09:23	19° $\mathfrak{D}$ 42'14		min. Earth dist.	1303 Jun 18 j 07:11	7° $\mathfrak{D}$ 33'47	0.56566 AU
morning max el	1302 Jul 28 j 16:46	23° $\mathfrak{D}$ 38'30	18°43'36	inferior conj	1303 Jun 20 j 21:13	5° $\mathfrak{D}$ 56'54	-4°35'30
asc. node	1302 Aug 02 j 06:48	29° $\mathfrak{D}$ 03'20		minimum elong	1303 Jun 20 j 16:23	6° $\mathfrak{D}$ 04'31	4°34'51
	1302 Aug 02 j 22:39	0° $\Omega$		morning rise	1303 Jun 29 j 05:25	1° $\mathfrak{D}$ 55'30	
morning set	1302 Aug 14 j 01:57	19° $\Omega$ 46'31		direct	1303 Jul 01 j 21:24	1° $\mathfrak{D}$ 36'37	
	1302 Aug 19 j 07:50	0° $\mathfrak{M}$		morning max el	1303 Jul 11 j 13:11	6° $\mathfrak{D}$ 05'36	19°40'25
				asc. node	1303 Jul 20 j 03:51	17° $\mathfrak{D}$ 21'24	
superior conj	1302 Aug 22 j 17:49	6° $\mathfrak{M}$ 32'02	1°41'02		1303 Jul 27 j 01:20	0° $\Omega$	
minimum elong	1302 Aug 22 j 19:58	6° $\mathfrak{M}$ 42'13	1°40'55	morning set	1303 Jul 29 j 03:55	4° $\Omega$ 12'04	
max. Earth dist.	1302 Aug 29 j 20:17	19° $\mathfrak{M}$ 31'23	1.39445 AU				
evening rise	1302 Sep 02 j 21:09	26° $\mathfrak{M}$ 30'40		superior conj	1303 Aug 06 j 02:30	20° $\Omega$ 11'13	1°46'13
	1302 Sep 04 j 23:01	0° $\mathfrak{L}$		minimum elong	1303 Aug 06 j 02:44	20° $\Omega$ 12'23	1°46'12
desc. node	1302 Sep 10 j 01:05	8° $\mathfrak{L}$ 15'09			1303 Aug 11 j 04:20	0° $\mathfrak{M}$	
	1302 Sep 24 j 18:20	0° $\mathfrak{M}$		max. Earth dist.	1303 Aug 12 j 00:24	1° $\mathfrak{M}$ 34'04	1.37433 AU
evening max el	1302 Oct 08 j 02:51	16° $\mathfrak{M}$ 11'50	24°08'13	evening rise	1303 Aug 15 j 19:23	8° $\mathfrak{M}$ 29'49	
retrograde	1302 Oct 19 j 04:41	22° $\mathfrak{M}$ 41'49		desc. node	1303 Aug 27 j 22:07	28° $\mathfrak{M}$ 42'48	
evening set	1302 Oct 24 j 11:50	20° $\mathfrak{M}$ 28'59			1303 Aug 28 j 18:04	0° $\mathfrak{L}$	
asc. node	1302 Oct 29 j 06:00	14° $\mathfrak{M}$ 59'24		evening max el	1303 Sep 20 j 14:48	29° $\mathfrak{L}$ 50'23	25°23'31
inferior conj	1302 Oct 29 j 21:51	14° $\mathfrak{M}$ 05'53	0°13'39		1303 Sep 20 j 18:44	0° $\mathfrak{M}$	
minimum elong	1302 Oct 29 j 21:31	14° $\mathfrak{M}$ 07'00	0°13'30	retrograde	1303 Oct 02 j 15:47	6° $\mathfrak{M}$ 46'21	
transit middle	1302 Oct 29 j 21:31	14° $\mathfrak{M}$ 07'00	0°13'30	evening set	1303 Oct 08 j 13:28	4° $\mathfrak{M}$ 17'41	
transit begin	1302 Oct 29 j 20:00	14° $\mathfrak{M}$ 12'09			1303 Oct 12 j 12:01	30° $\mathcal{R}$ $\mathfrak{L}$	
transit end	1302 Oct 29 j 23:02	14° $\mathfrak{M}$ 01'52		min. Earth dist.	1303 Oct 12 j 23:40	29° $\mathfrak{L}$ 22'53	0.67090 AU
min. Earth dist.	1302 Oct 29 j 06:05	14° $\mathfrak{M}$ 59'06	0.67598 AU	inferior conj	1303 Oct 14 j 02:13	27° $\mathfrak{L}$ 57'02	-0°42'04
morning rise	1302 Nov 04 j 07:11	8° $\mathfrak{M}$ 00'43		minimum elong	1303 Oct 14 j 03:17	27° $\mathfrak{L}$ 53'34	0°41'36
direct	1302 Nov 08 j 04:31	6° $\mathfrak{M}$ 34'33		asc. node	1303 Oct 16 j 03:04	25° $\mathfrak{L}$ 23'56	
morning max el	1302 Nov 16 j 04:07	11° $\mathfrak{M}$ 10'59	20°31'17	morning rise	1303 Oct 19 j 17:18	21° $\mathfrak{L}$ 59'37	
	1302 Nov 30 j 13:16	0° $\mathcal{J}$		direct	1303 Oct 23 j 02:58	20° $\mathfrak{L}$ 52'44	
desc. node	1302 Dec 07 j 00:19	9° $\mathcal{J}$ 37'02		morning max el	1303 Oct 30 j 07:52	24° $\mathfrak{L}$ 57'00	19°27'29
morning set	1302 Dec 14 j 15:36	21° $\mathcal{J}$ 18'33			1303 Nov 03 j 15:47	0° $\mathfrak{M}$	
	1302 Dec 20 j 04:38	0° $\mathfrak{Z}$		greatest brilliancy	1303 Nov 13 j 00:01	13° $\mathfrak{M}$ 21'46	-0.7m
max. Earth dist.	1302 Dec 24 j 03:48	6° $\mathfrak{Z}$ 20'15	1.43307 AU	morning set	1303 Nov 23 j 14:30	29° $\mathfrak{M}$ 38'43	
				desc. node	1303 Nov 23 j 21:22	0° $\mathcal{J}$ 05'16	
superior conj	1302 Dec 30 j 12:24	16° $\mathfrak{Z}$ 45'12	-1°59'01		1303 Nov 23 j 20:00	0° $\mathcal{J}$	
minimum elong	1302 Dec 30 j 08:23	16° $\mathfrak{Z}$ 28'28	1°58'51	max. Earth dist.	1303 Dec 06 j 17:41	20° $\mathcal{J}$ 10'59	1.44545 AU
	1303 Jan 07 j 07:28	0° $\mathfrak{A}$					
evening rise	1303 Jan 11 j 19:44	7° $\mathfrak{A}$ 52'48		superior conj	1303 Dec 10 j 09:00	25° $\mathcal{J}$ 58'09	-1°36'11
asc. node	1303 Jan 25 j 05:18	0° $\mathcal{H}$ 11'06		minimum elong	1303 Dec 10 j 00:39	25° $\mathcal{J}$ 24'49	1°35'25
	1303 Jan 25 j 02:08	0° $\mathcal{H}$			1303 Dec 12 j 21:18	0° $\mathfrak{Z}$	
evening max el	1303 Jan 29 j 03:16	4° $\mathcal{H}$ 55'27	18°08'19	evening rise	1303 Dec 24 j 13:10	19° $\mathfrak{Z}$ 09'01	
retrograde	1303 Feb 04 j 15:28	8° $\mathcal{H}$ 19'31			1303 Dec 31 j 01:05	0° $\mathfrak{A}$	
evening set	1303 Feb 07 j 10:33	7° $\mathcal{H}$ 41'05		asc. node	1304 Jan 12 j 02:21	17° $\mathfrak{A}$ 40'35	
inferior conj	1303 Feb 13 j 18:43	2° $\mathcal{H}$ 32'36	3°44'30	evening max el	1304 Jan 12 j 15:44	18° $\mathfrak{A}$ 15'33	18°23'19
minimum elong	1303 Feb 13 j 19:20	2° $\mathcal{H}$ 31'00	3°44'29	retrograde	1304 Jan 19 j 03:49	21° $\mathfrak{A}$ 48'09	
	1303 Feb 16 j 06:06	30° $\mathcal{R}$ $\mathfrak{A}$		evening set	1304 Jan 22 j 03:57	20° $\mathfrak{A}$ 58'54	
min. Earth dist.	1303 Feb 16 j 16:02	29° $\mathfrak{A}$ 35'20	0.62217 AU	inferior conj	1304 Jan 28 j 02:30	15° $\mathfrak{A}$ 31'04	3°42'32
morning rise	1303 Feb 20 j 02:54	26° $\mathfrak{A}$ 35'06		minimum elong	1304 Jan 28 j 01:22	15° $\mathfrak{A}$ 34'18	3°42'28
direct	1303 Feb 27 j 01:35	24° $\mathfrak{A}$ 02'38		min. Earth dist.	1304 Jan 30 j 08:47	12° $\mathfrak{A}$ 55'48	0.64075 AU
desc. node	1303 Mar 04 j 23:28	25° $\mathfrak{A}$ 38'57		morning rise	1304 Feb 02 j 22:11	9° $\mathfrak{A}$ 25'18	
	1303 Mar 11 j 01:16	0° $\mathcal{H}$		direct	1304 Feb 09 j 19:43	6° $\mathfrak{A}$ 36'21	
morning max el	1303 Mar 13 j 02:39	1° $\mathcal{H}$ 56'35	27°48'53	desc. node	1304 Feb 19 j 20:30	11° $\mathfrak{A}$ 10'09	
	1303 Apr 02 j 17:33	0° $\mathcal{Y}$		morning max el	1304 Feb 23 j 11:17	14° $\mathfrak{A}$ 28'05	27°31'26
morning set	1303 Apr 15 j 16:00	23° $\mathcal{Y}$ 57'17			1304 Mar 07 j 02:37	0° $\mathcal{H}$	
	1303 Apr 18 j 14:09	0° $\mathcal{B}$			1304 Mar 25 j 08:22	0° $\mathcal{Y}$	
max. Earth dist.	1303 Apr 21 j 08:30	5° $\mathcal{B}$ 53'17	1.32595 AU	morning set	1304 Mar 29 j 11:15	7° $\mathcal{Y}$ 55'12	

max. Earth dist.	1304 Apr 03 j 10:48	18° $\Upsilon$ 02'29	1.33346 AU	max. Earth dist.	1305 Mar 17 j 02:30	29° $\text{X}$ 37'52	1.34541 AU
					1305 Mar 17 j 06:56	0° $\Upsilon$	
superior conj	1304 Apr 06 j 09:30	24° $\Upsilon$ 15'30	-0°27'51	superior conj	1305 Mar 21 j 09:55	8° $\Upsilon$ 24'02	-0°55'23
minimum elong	1304 Apr 06 j 10:52	24° $\Upsilon$ 22'49	0°27'34	minimum elong	1305 Mar 21 j 12:40	8° $\Upsilon$ 38'15	0°54'52
asc. node	1304 Apr 09 j 01:40	29° $\Upsilon$ 59'06		asc. node	1305 Mar 26 j 22:42	19° $\Upsilon$ 59'09	
	1304 Apr 09 j 01:50	0° $\text{B}$		evening rise	1305 Mar 28 j 23:04	24° $\Upsilon$ 11'37	
evening rise	1304 Apr 13 j 13:39	9° $\text{B}$ 35'29			1305 Mar 31 j 19:18	0° $\text{B}$	
	1304 Apr 24 j 05:42	0° $\Pi$		evening max el	1305 Apr 17 j 09:24	25° $\text{B}$ 38'52	21°07'15
evening max el	1304 May 05 j 11:08	14° $\Pi$ 51'07	22°36'48		1305 Apr 23 j 08:57	0° $\Pi$	
desc. node	1304 May 17 j 19:44	21° $\Pi$ 20'45		retrograde	1305 Apr 29 j 04:26	1° $\Pi$ 23'24	
retrograde	1304 May 18 j 14:31	21° $\Pi$ 22'08		evening set	1305 May 01 j 10:18	1° $\Pi$ 11'39	
evening set	1304 May 21 j 17:57	21° $\Pi$ 00'24		desc. node	1305 May 04 j 16:45	0° $\Pi$ 16'15	
min. Earth dist.	1304 May 29 j 18:59	17° $\Pi$ 30'12	0.55320 AU		1305 May 05 j 08:57	30° $\text{R}$ $\text{B}$	
inferior conj	1304 May 31 j 00:49	16° $\Pi$ 47'44	-3°30'54	inferior conj	1305 May 10 j 18:56	27° $\text{B}$ 12'53	-1°44'58
minimum elong	1304 May 30 j 17:06	16° $\Pi$ 58'43	3°28'52	minimum elong	1305 May 10 j 14:02	27° $\text{B}$ 19'49	1°43'14
morning rise	1304 Jun 08 j 18:29	12° $\Pi$ 55'29		min. Earth dist.	1305 May 11 j 07:31	26° $\text{B}$ 55'07	0.54935 AU
direct	1304 Jun 11 j 15:34	12° $\Pi$ 36'25		morning rise	1305 May 19 j 17:50	23° $\text{B}$ 10'58	
morning max el	1304 Jun 22 j 22:31	17° $\Pi$ 50'59	20°57'53	direct	1305 May 23 j 01:16	22° $\text{B}$ 47'16	
	1304 Jul 02 j 09:42	0° $\text{B}$		morning max el	1305 Jun 04 j 21:18	28° $\text{B}$ 54'29	22°31'56
asc. node	1304 Jul 06 j 00:55	6° $\text{B}$ 17'01			1305 Jun 06 j 00:18	0° $\Pi$	
morning set	1304 Jul 12 j 11:10	18° $\text{B}$ 54'23		asc. node	1305 Jun 22 j 21:58	25° $\Pi$ 40'15	
	1304 Jul 17 j 19:07	0° $\Omega$			1305 Jun 25 j 01:43	0° $\text{B}$	
superior conj	1304 Jul 19 j 22:15	4° $\Omega$ 24'31	1°43'23	morning set	1305 Jun 26 j 21:32	3° $\text{B}$ 46'38	
minimum elong	1304 Jul 19 j 21:01	4° $\Omega$ 18'12	1°43'19				
max. Earth dist.	1304 Jul 24 j 09:22	13° $\Omega$ 24'47	1.35637 AU	superior conj	1305 Jul 04 j 01:30	19° $\text{B}$ 00'28	1°34'09
evening rise	1304 Jul 28 j 13:21	21° $\Omega$ 26'20		minimum elong	1305 Jul 03 j 23:23	18° $\text{B}$ 49'16	1°33'57
	1304 Aug 02 j 06:06	0° $\text{B}$		max. Earth dist.	1305 Jul 07 j 02:59	25° $\text{B}$ 25'44	1.34197 AU
desc. node	1304 Aug 13 j 19:08	18° $\text{B}$ 53'57			1305 Jul 09 j 08:35	0° $\Omega$	
	1304 Aug 21 j 14:13	0° $\Omega$		evening rise	1305 Jul 11 j 22:15	5° $\Omega$ 06'53	
evening max el	1304 Sep 02 j 02:43	13° $\Omega$ 28'15	26°26'26		1305 Jul 25 j 23:02	0° $\text{B}$	
retrograde	1304 Sep 14 j 21:59	20° $\Omega$ 40'22		desc. node	1305 Jul 31 j 16:08	8° $\text{B}$ 40'26	
evening set	1304 Sep 21 j 09:27	17° $\Omega$ 59'58		evening max el	1305 Aug 15 j 14:40	26° $\text{B}$ 56'44	27°09'31
min. Earth dist.	1304 Sep 25 j 12:09	13° $\Omega$ 41'44	0.66240 AU		1305 Aug 19 j 02:40	0° $\Omega$	
inferior conj	1304 Sep 27 j 02:19	11° $\Omega$ 45'51	-1°39'32	retrograde	1305 Aug 28 j 22:49	4° $\Omega$ 15'31	
minimum elong	1304 Sep 27 j 04:55	11° $\Omega$ 37'55	1°38'28	evening set	1305 Sep 04 j 21:22	1° $\Omega$ 30'54	
asc. node	1304 Oct 02 j 00:06	6° $\Omega$ 39'30			1305 Sep 06 j 14:41	30° $\text{R}$ $\text{B}$	
morning rise	1304 Oct 03 j 00:53	5° $\Omega$ 59'02		min. Earth dist.	1305 Sep 08 j 17:18	27° $\text{B}$ 49'01	0.65033 AU
direct	1304 Oct 06 j 01:00	5° $\Omega$ 07'57		inferior conj	1305 Sep 10 j 19:57	25° $\text{B}$ 27'26	-2°36'46
morning max el	1304 Oct 12 j 18:16	8° $\Omega$ 50'30	18°39'06	minimum elong	1305 Sep 11 j 00:01	25° $\text{B}$ 16'04	2°35'18
	1304 Oct 27 j 17:07	0° $\text{B}$		morning rise	1305 Sep 17 j 03:30	19° $\text{B}$ 54'12	
morning set	1304 Nov 02 j 10:52	9° $\text{B}$ 07'45		asc. node	1305 Sep 18 j 21:09	19° $\text{B}$ 20'10	
desc. node	1304 Nov 09 j 18:26	20° $\text{B}$ 43'41		direct	1305 Sep 19 j 20:28	19° $\text{B}$ 15'06	
	1304 Nov 15 j 15:45	0° $\text{X}$		morning max el	1305 Sep 26 j 08:52	22° $\text{B}$ 45'13	18°07'14
superior conj	1304 Nov 18 j 11:51	4° $\text{X}$ 27'25	-0°55'52		1305 Oct 02 j 02:14	0° $\Omega$	
minimum elong	1304 Nov 18 j 04:52	4° $\text{X}$ 00'00	0°54'59	morning set	1305 Oct 14 j 12:11	20° $\Omega$ 02'18	
max. Earth dist.	1304 Nov 18 j 11:40	4° $\text{X}$ 26'45	1.45090 AU		1305 Oct 20 j 13:09	0° $\text{B}$	
evening rise	1304 Dec 04 j 07:23	29° $\text{X}$ 27'37		desc. node	1305 Oct 27 j 15:28	11° $\text{B}$ 27'54	
	1304 Dec 04 j 15:30	0° $\text{B}$		superior conj	1305 Oct 28 j 17:00	13° $\text{B}$ 09'39	-0°07'07
greatest brilliancy	1304 Dec 12 j 08:24	12° $\text{B}$ 17'33	-0.8m	minimum elong	1305 Oct 28 j 16:06	13° $\text{B}$ 06'04	0°07'00
	1304 Dec 24 j 13:18	0° $\approx$		behind sun begin	1305 Oct 28 j 06:16	12° $\text{B}$ 26'56	
evening max el	1304 Dec 26 j 02:13	1° $\approx$ 41'34	18°56'12	behind sun end	1305 Oct 29 j 01:55	13° $\text{B}$ 45'09	
asc. node	1304 Dec 28 j 23:23	4° $\approx$ 10'12		max. Earth dist.	1305 Nov 01 j 06:20	18° $\text{B}$ 47'39	1.44893 AU
retrograde	1305 Jan 01 j 22:11	5° $\approx$ 33'30			1305 Nov 08 j 10:03	0° $\text{X}$	
evening set	1305 Jan 05 j 04:14	4° $\approx$ 32'27		evening rise	1305 Nov 14 j 03:34	8° $\text{X}$ 53'58	
	1305 Jan 09 j 20:41	30° $\text{R}$ $\text{B}$		greatest brilliancy	1305 Nov 27 j 06:34	29° $\text{X}$ 01'00	-0.7m
inferior conj	1305 Jan 10 j 20:08	28° $\text{B}$ 47'36	3°25'10		1305 Nov 27 j 22:23	0° $\text{B}$	
minimum elong	1305 Jan 10 j 17:54	28° $\text{B}$ 54'33	3°24'48	evening max el	1305 Dec 09 j 08:44	15° $\text{B}$ 10'19	19°45'36
min. Earth dist.	1305 Jan 12 j 11:04	26° $\text{B}$ 46'15	0.65573 AU	asc. node	1305 Dec 15 j 20:24	19° $\text{B}$ 25'12	
morning rise	1305 Jan 16 j 07:14	22° $\text{B}$ 37'02		retrograde	1305 Dec 16 j 19:28	19° $\text{B}$ 30'20	
direct	1305 Jan 22 j 20:39	19° $\text{B}$ 45'51		evening set	1305 Dec 20 j 08:57	18° $\text{B}$ 16'04	
morning max el	1305 Feb 04 j 21:13	27° $\text{B}$ 25'12	26°42'27	inferior conj	1305 Dec 25 j 20:32	12° $\text{B}$ 16'56	2°56'22
desc. node	1305 Feb 05 j 17:34	28° $\text{B}$ 17'18		minimum elong	1305 Dec 25 j 17:52	12° $\text{B}$ 25'46	2°55'40
	1305 Feb 07 j 07:50	0° $\approx$		min. Earth dist.	1305 Dec 26 j 21:20	10° $\text{B}$ 54'55	0.66671 AU
	1305 Feb 28 j 18:46	0° $\text{X}$		morning rise	1305 Dec 31 j 02:32	6° $\text{B}$ 04'03	
morning set	1305 Mar 12 j 19:36	21° $\text{X}$ 16'36		direct	1306 Jan 06 j 03:34	3° $\text{B}$ 22'38	

morning max el	1306 Jan 18 j 06:17	10° $\text{Z}$ 35'23	25°30'26	morning rise	1306 Dec 15 j 05:04	19° $\text{Z}$ 41'38	
desc. node	1306 Jan 23 j 14:38	16° $\text{Z}$ 32'52		direct	1306 Dec 20 j 15:28	17° $\text{Z}$ 18'16	
	1306 Feb 02 j 17:14	0° $\approx$		morning max el	1306 Dec 31 j 14:30	23° $\text{Z}$ 50'28	24°05'21
	1306 Feb 21 j 09:40	0° $\text{X}$			1307 Jan 06 j 02:08	0° $\text{Z}$	
morning set	1306 Feb 23 j 12:30	3° $\text{X}$ 48'17		desc. node	1307 Jan 10 j 11:41	5° $\text{Z}$ 36'25	
max. Earth dist.	1306 Feb 27 j 06:18	10° $\text{X}$ 44'25	1.36186 AU		1307 Jan 27 j 03:26	0° $\approx$	
				morning set	1307 Feb 05 j 07:57	15° $\approx$ 12'40	
superior conj	1306 Mar 05 j 01:53	22° $\text{X}$ 03'12	-1°21'32	max. Earth dist.	1307 Feb 09 j 02:08	21° $\approx$ 49'00	1.38195 AU
minimum elong	1306 Mar 05 j 05:43	22° $\text{X}$ 22'18	1°20'57		1307 Feb 13 j 13:39	0° $\text{X}$	
	1306 Mar 09 j 00:19	0° $\text{Y}$					
evening rise	1306 Mar 13 j 04:19	8° $\text{Y}$ 29'51		superior conj	1307 Feb 16 j 05:51	5° $\text{X}$ 02'35	-1°44'00
asc. node	1306 Mar 13 j 19:44	9° $\text{Y}$ 47'47		minimum elong	1307 Feb 16 j 09:56	5° $\text{X}$ 22'07	1°43'34
	1306 Mar 25 j 00:40	0° $\text{B}$		evening rise	1307 Feb 25 j 02:51	22° $\text{X}$ 22'17	
evening max el	1306 Mar 30 j 19:10	7° $\text{B}$ 03'31	19°53'07	asc. node	1307 Feb 28 j 16:45	29° $\text{X}$ 19'16	
retrograde	1306 Apr 09 j 20:39	11° $\text{B}$ 54'20			1307 Mar 01 j 01:20	0° $\text{Y}$	
evening set	1306 Apr 11 j 21:47	11° $\text{B}$ 43'11		evening max el	1307 Mar 13 j 15:52	19° $\text{Y}$ 06'17	18°58'04
inferior conj	1306 Apr 20 j 17:58	7° $\text{B}$ 42'34	0°14'16	retrograde	1307 Mar 22 j 03:14	23° $\text{Y}$ 12'32	
minimum elong	1306 Apr 20 j 18:36	7° $\text{B}$ 41'35	0°14'03	evening set	1307 Mar 24 j 08:32	22° $\text{Y}$ 56'47	
transit middle	1306 Apr 20 j 18:36	7° $\text{B}$ 41'35	0°14'03	inferior conj	1307 Apr 01 j 09:38	18° $\text{Y}$ 41'10	1°54'50
transit begin	1306 Apr 20 j 16:44	7° $\text{B}$ 44'27		minimum elong	1307 Apr 01 j 13:30	18° $\text{Y}$ 34'19	1°53'39
transit end	1306 Apr 20 j 20:28	7° $\text{B}$ 38'43		min. Earth dist.	1307 Apr 04 j 13:23	16° $\text{Y}$ 28'27	0.56943 AU
desc. node	1306 Apr 21 j 13:47	7° $\text{B}$ 12'08		desc. node	1307 Apr 08 j 10:49	14° $\text{Y}$ 10'12	
min. Earth dist.	1306 Apr 22 j 21:34	6° $\text{B}$ 23'46	0.55520 AU	morning rise	1307 Apr 09 j 15:25	13° $\text{Y}$ 38'14	
morning rise	1306 Apr 29 j 13:08	3° $\text{B}$ 13'16		direct	1307 Apr 14 j 20:54	12° $\text{Y}$ 33'13	
direct	1306 May 03 j 16:40	2° $\text{B}$ 35'15		morning max el	1307 Apr 29 j 03:49	19° $\text{Y}$ 57'32	25°48'43
morning max el	1306 May 17 j 13:08	9° $\text{B}$ 28'42	24°13'28		1307 May 07 j 17:15	0° $\text{B}$	
	1306 Jun 01 j 17:23	0° $\text{I}$			1307 May 25 j 02:47	0° $\text{I}$	
asc. node	1306 Jun 09 j 19:01	15° $\text{I}$ 23'47		morning set	1307 May 26 j 20:52	3° $\text{I}$ 39'13	
morning set	1306 Jun 11 j 09:19	18° $\text{I}$ 43'36		asc. node	1307 May 27 j 16:03	5° $\text{I}$ 20'45	
	1306 Jun 16 j 15:05	0° $\text{E}$					
				superior conj	1307 Jun 02 j 20:29	18° $\text{I}$ 47'43	1°01'13
superior conj	1306 Jun 18 j 09:37	3° $\text{E}$ 50'49	1°19'47	minimum elong	1307 Jun 02 j 18:14	18° $\text{I}$ 35'21	1°00'50
minimum elong	1306 Jun 18 j 07:11	3° $\text{E}$ 37'37	1°19'27	max. Earth dist.	1307 Jun 03 j 15:05	20° $\text{I}$ 29'38	1.32515 AU
max. Earth dist.	1306 Jun 20 j 05:43	7° $\text{E}$ 48'28	1.33162 AU		1307 Jun 08 j 00:40	0° $\text{E}$	
evening rise	1306 Jun 25 j 18:03	19° $\text{E}$ 19'56		evening rise	1307 Jun 09 j 21:22	3° $\text{E}$ 54'27	
	1306 Jul 01 j 05:34	0° $\text{O}$			1307 Jun 23 j 23:32	0° $\text{O}$	
desc. node	1306 Jul 18 j 13:07	27° $\text{O}$ 51'58		desc. node	1307 Jul 05 j 10:07	16° $\text{O}$ 14'01	
	1306 Jul 20 j 03:50	0° $\text{P}$		evening max el	1307 Jul 11 j 08:26	22° $\text{O}$ 39'32	27°10'23
evening max el	1306 Jul 29 j 01:23	10° $\text{P}$ 04'56	27°25'49	retrograde	1307 Jul 25 j 05:17	29° $\text{O}$ 54'35	
retrograde	1306 Aug 11 j 17:33	17° $\text{P}$ 23'15		evening set	1307 Aug 01 j 07:47	27° $\text{O}$ 36'21	
evening set	1306 Aug 18 j 22:08	14° $\text{P}$ 45'20		min. Earth dist.	1307 Aug 04 j 22:39	24° $\text{O}$ 51'14	0.61612 AU
min. Earth dist.	1306 Aug 22 j 13:14	11° $\text{P}$ 36'14	0.63476 AU	inferior conj	1307 Aug 08 j 01:03	22° $\text{O}$ 05'20	-4°16'57
inferior conj	1306 Aug 25 j 04:34	8° $\text{P}$ 56'27	-3°30'48	minimum elong	1307 Aug 08 j 05:55	21° $\text{O}$ 54'25	4°15'59
minimum elong	1306 Aug 25 j 09:36	8° $\text{P}$ 43'42	3°29'21	morning rise	1307 Aug 15 j 05:36	17° $\text{O}$ 09'01	
morning rise	1306 Aug 31 j 22:16	3° $\text{P}$ 39'59		direct	1307 Aug 17 j 16:14	16° $\text{O}$ 43'55	
direct	1306 Sep 03 j 10:42	3° $\text{P}$ 09'20		asc. node	1307 Aug 23 j 15:16	19° $\text{O}$ 18'15	
asc. node	1306 Sep 05 j 18:13	3° $\text{P}$ 35'40		morning max el	1307 Aug 24 j 15:25	20° $\text{O}$ 13'22	17°56'53
morning max el	1306 Sep 10 j 00:53	6° $\text{P}$ 35'04	17°52'48		1307 Aug 31 j 21:59	0° $\text{P}$	
	1306 Sep 25 j 09:03	0° $\text{Q}$		morning set	1307 Sep 09 j 13:18	15° $\text{P}$ 14'56	
morning set	1306 Sep 26 j 15:03	2° $\text{Q}$ 10'41			1307 Sep 17 j 17:25	0° $\text{Q}$	
superior conj	1306 Oct 08 j 19:09	22° $\text{Q}$ 55'24	0°37'57	superior conj	1307 Sep 20 j 00:40	4° $\text{Q}$ 02'09	1°12'00
minimum elong	1306 Oct 08 j 22:53	23° $\text{Q}$ 10'52	0°37'26	minimum elong	1307 Sep 20 j 05:20	4° $\text{Q}$ 22'24	1°11'29
	1306 Oct 13 j 03:02	0° $\text{M}$		max. Earth dist.	1307 Sep 27 j 11:57	16° $\text{Q}$ 40'50	1.42506 AU
desc. node	1306 Oct 14 j 12:28	2° $\text{M}$ 14'40		desc. node	1307 Oct 01 j 09:28	23° $\text{Q}$ 01'05	
max. Earth dist.	1306 Oct 14 j 23:06	2° $\text{M}$ 57'20	1.43995 AU	evening rise	1307 Oct 04 j 00:57	27° $\text{Q}$ 13'44	
evening rise	1306 Oct 24 j 11:43	17° $\text{M}$ 54'47			1307 Oct 05 j 19:19	0° $\text{M}$	
	1306 Nov 01 j 10:14	0° $\text{Z}$			1307 Oct 26 j 05:37	0° $\text{Z}$	
evening max el	1306 Nov 22 j 09:56	28° $\text{Z}$ 39'51	20°49'01	evening max el	1307 Nov 05 j 05:33	12° $\text{Z}$ 10'28	22°02'51
	1306 Nov 23 j 18:50	0° $\text{Z}$		retrograde	1307 Nov 14 j 13:31	17° $\text{Z}$ 43'33	
retrograde	1306 Nov 30 j 17:09	3° $\text{Z}$ 34'32		evening set	1307 Nov 18 j 23:43	15° $\text{Z}$ 57'40	
asc. node	1306 Dec 02 j 17:26	3° $\text{Z}$ 11'48		asc. node	1307 Nov 19 j 14:29	15° $\text{Z}$ 25'47	
evening set	1306 Dec 04 j 16:01	2° $\text{Z}$ 05'15		inferior conj	1307 Nov 24 j 08:06	9° $\text{Z}$ 39'14	1°34'13
	1306 Dec 06 j 20:44	30° $\text{R}$ $\text{Z}$		minimum elong	1307 Nov 24 j 06:07	9° $\text{Z}$ 46'06	1°33'27
inferior conj	1306 Dec 10 j 01:12	25° $\text{Z}$ 54'51	2°18'45	min. Earth dist.	1307 Nov 24 j 08:53	9° $\text{Z}$ 36'31	0.67731 AU
minimum elong	1306 Dec 09 j 22:39	26° $\text{Z}$ 03'36	2°17'53	morning rise	1307 Nov 29 j 12:22	3° $\text{Z}$ 27'35	
min. Earth dist.	1306 Dec 10 j 13:22	25° $\text{Z}$ 13'11	0.67383 AU	direct	1307 Dec 04 j 07:38	1° $\text{Z}$ 26'28	

morning max el	1307 Dec 14 j 00:46	7° $\text{♁}$ 11'17	22°37'11	minimum elong	1308 Nov 07 j 14:22	23° $\text{♁}$ 31'21	0°43'51
desc. node	1307 Dec 28 j 08:43	25° $\text{♁}$ 14'24		morning rise	1308 Nov 12 j 22:19	17° $\text{♁}$ 19'44	
	1307 Dec 31 j 16:14	0° $\text{♁}$		direct	1308 Nov 17 j 03:09	15° $\text{♁}$ 41'26	
morning set	1308 Jan 16 j 24:00	25° $\text{♁}$ 15'31		morning max el	1308 Nov 25 j 16:35	20° $\text{♁}$ 40'52	21°14'14
	1308 Jan 19 j 20:38	0° $\text{♁}$			1308 Dec 03 j 11:24	0° $\text{♁}$	
max. Earth dist.	1308 Jan 21 j 22:19	3° $\text{♁}$ 29'50	1.40343 AU	desc. node	1308 Dec 14 j 05:45	15° $\text{♁}$ 16'48	
					1308 Dec 23 j 22:30	0° $\text{♁}$	
superior conj	1308 Jan 29 j 17:18	17° $\text{♁}$ 11'03	-1°59'30	morning set	1308 Dec 26 j 11:38	3° $\text{♁}$ 58'50	
minimum elong	1308 Jan 29 j 20:03	17° $\text{♁}$ 23'29	1°59'22	max. Earth dist.	1309 Jan 03 j 00:22	16° $\text{♁}$ 03'56	1.42332 AU
	1308 Feb 05 j 15:22	0° $\text{♁}$					
evening rise	1308 Feb 08 j 15:40	5° $\text{♁}$ 41'46		superior conj	1309 Jan 10 j 06:52	28° $\text{♁}$ 15'20	-2°03'41
asc. node	1308 Feb 15 j 13:47	18° $\text{♁}$ 27'46		minimum elong	1309 Jan 10 j 05:53	28° $\text{♁}$ 11'07	2°03'41
	1308 Feb 23 j 06:53	0° $\text{♁}$			1309 Jan 11 j 07:12	0° $\text{♁}$	
evening max el	1308 Feb 24 j 20:56	1° $\text{♁}$ 41'22	18°23'07	evening rise	1309 Jan 21 j 14:58	18° $\text{♁}$ 19'28	
retrograde	1308 Mar 03 j 05:06	5° $\text{♁}$ 19'13			1309 Jan 28 j 03:45	0° $\text{♁}$	
evening set	1308 Mar 05 j 16:05	4° $\text{♁}$ 55'55		asc. node	1309 Feb 01 j 10:50	7° $\text{♁}$ 05'39	
inferior conj	1308 Mar 12 j 22:33	0° $\text{♁}$ 19'57	3°01'46	evening max el	1309 Feb 07 j 07:11	14° $\text{♁}$ 40'01	18°08'10
minimum elong	1308 Mar 13 j 02:15	0° $\text{♁}$ 12'17	3°01'00	retrograde	1309 Feb 13 j 23:52	18° $\text{♁}$ 05'21	
	1308 Mar 13 j 08:10	30° $\text{♁}$		evening set	1309 Feb 16 j 15:59	17° $\text{♁}$ 32'53	
min. Earth dist.	1308 Mar 16 j 09:03	27° $\text{♁}$ 30'47	0.58894 AU	inferior conj	1309 Feb 23 j 07:12	12° $\text{♁}$ 36'05	3°36'27
morning rise	1308 Mar 20 j 09:50	24° $\text{♁}$ 48'18		minimum elong	1309 Feb 23 j 09:02	12° $\text{♁}$ 31'42	3°36'16
desc. node	1308 Mar 25 j 07:52	23° $\text{♁}$ 11'32		min. Earth dist.	1309 Feb 26 j 11:35	9° $\text{♁}$ 34'38	0.61018 AU
direct	1308 Mar 26 j 14:20	23° $\text{♁}$ 07'17		morning rise	1309 Mar 02 j 00:20	6° $\text{♁}$ 45'21	
	1308 Apr 09 j 02:06	0° $\text{♁}$		direct	1309 Mar 08 j 19:11	4° $\text{♁}$ 28'53	
morning max el	1308 Apr 09 j 22:54	0° $\text{♁}$ 49'43	27°02'14	desc. node	1309 Mar 12 j 04:55	5° $\text{♁}$ 00'46	
	1308 Apr 30 j 18:15	0° $\text{♁}$		morning max el	1309 Mar 23 j 00:24	12° $\text{♁}$ 21'27	27°42'41
morning set	1308 May 10 j 06:33	18° $\text{♁}$ 28'02			1309 Apr 05 j 23:30	0° $\text{♁}$	
asc. node	1308 May 13 j 13:05	25° $\text{♁}$ 26'19			1309 Apr 23 j 00:25	0° $\text{♁}$	
	1308 May 15 j 15:18	0° $\text{♁}$		morning set	1309 Apr 24 j 12:31	3° $\text{♁}$ 03'53	
				asc. node	1309 Apr 30 j 10:08	15° $\text{♁}$ 36'14	
superior conj	1308 May 17 j 08:17	3° $\text{♁}$ 45'06	0°39'15	max. Earth dist.	1309 Apr 30 j 15:06	16° $\text{♁}$ 03'18	1.32347 AU
minimum elong	1308 May 17 j 06:38	3° $\text{♁}$ 36'05	0°38'55				
max. Earth dist.	1308 May 17 j 03:32	3° $\text{♁}$ 18'59	1.32244 AU	superior conj	1309 May 01 j 19:20	18° $\text{♁}$ 37'28	0°14'36
evening rise	1308 May 24 j 05:37	18° $\text{♁}$ 41'55		minimum elong	1309 May 01 j 18:40	18° $\text{♁}$ 33'50	0°14'27
	1308 May 29 j 19:50	0° $\text{♁}$		behind sun begin	1309 May 01 j 16:34	18° $\text{♁}$ 22'21	
	1308 Jun 18 j 03:13	0° $\text{♁}$		behind sun end	1309 May 01 j 20:46	18° $\text{♁}$ 45'19	
desc. node	1308 Jun 21 j 07:08	3° $\text{♁}$ 25'43			1309 May 07 j 00:25	0° $\text{♁}$	
evening max el	1308 Jun 22 j 09:04	4° $\text{♁}$ 29'12	26°21'53	evening rise	1309 May 08 j 16:39	3° $\text{♁}$ 35'09	
retrograde	1308 Jul 06 j 08:48	11° $\text{♁}$ 41'28			1309 May 22 j 20:49	0° $\text{♁}$	
evening set	1308 Jul 12 j 21:38	9° $\text{♁}$ 55'21		evening max el	1309 Jun 04 j 02:40	15° $\text{♁}$ 33'49	25°05'15
min. Earth dist.	1308 Jul 16 j 22:02	7° $\text{♁}$ 19'01	0.59562 AU	desc. node	1309 Jun 08 j 04:10	18° $\text{♁}$ 58'45	
inferior conj	1308 Jul 20 j 05:47	4° $\text{♁}$ 44'12	-4°47'35	retrograde	1309 Jun 18 j 02:37	22° $\text{♁}$ 40'55	
minimum elong	1308 Jul 20 j 08:28	4° $\text{♁}$ 38'57	4°47'22	evening set	1309 Jun 23 j 12:15	21° $\text{♁}$ 33'47	
morning rise	1308 Jul 27 j 21:23	0° $\text{♁}$ 10'38		min. Earth dist.	1309 Jun 28 j 14:16	18° $\text{♁}$ 47'36	0.57562 AU
	1308 Jul 28 j 14:41	30° $\text{♁}$		inferior conj	1309 Jul 01 j 15:34	16° $\text{♁}$ 44'05	-4°51'11
direct	1308 Jul 30 j 08:39	29° $\text{♁}$ 49'04		minimum elong	1309 Jul 01 j 13:44	16° $\text{♁}$ 47'12	4°51'06
	1308 Aug 01 j 01:50	0° $\text{♁}$		morning rise	1309 Jul 09 j 17:53	12° $\text{♁}$ 32'41	
morning max el	1308 Aug 07 j 01:21	3° $\text{♁}$ 31'48	18°20'40	direct	1309 Jul 12 j 07:35	12° $\text{♁}$ 13'17	
asc. node	1308 Aug 09 j 12:20	6° $\text{♁}$ 12'57		morning max el	1309 Jul 21 j 03:41	16° $\text{♁}$ 21'32	19°05'10
morning set	1308 Aug 23 j 01:25	28° $\text{♁}$ 59'10		asc. node	1309 Jul 27 j 09:23	24° $\text{♁}$ 04'54	
	1308 Aug 23 j 14:11	0° $\text{♁}$			1309 Jul 30 j 23:54	0° $\text{♁}$	
				morning set	1309 Aug 06 j 23:18	13° $\text{♁}$ 12'32	
superior conj	1308 Sep 01 j 06:31	16° $\text{♁}$ 21'00	1°33'41				
minimum elong	1308 Sep 01 j 09:49	16° $\text{♁}$ 36'06	1°33'26	superior conj	1309 Aug 15 j 07:01	29° $\text{♁}$ 36'02	1°44'19
	1308 Sep 08 j 23:12	0° $\text{♁}$		minimum elong	1309 Aug 15 j 08:20	29° $\text{♁}$ 42'20	1°44'15
max. Earth dist.	1308 Sep 08 j 19:18	29° $\text{♁}$ 43'18	1.40615 AU		1309 Aug 15 j 12:00	0° $\text{♁}$	
evening rise	1308 Sep 13 j 09:32	7° $\text{♁}$ 26'45		max. Earth dist.	1309 Aug 21 j 22:47	12° $\text{♁}$ 02'25	1.38575 AU
desc. node	1308 Sep 17 j 06:29	13° $\text{♁}$ 43'28		evening rise	1309 Aug 25 j 18:34	18° $\text{♁}$ 48'45	
	1308 Sep 27 j 22:04	0° $\text{♁}$			1309 Sep 01 j 10:50	0° $\text{♁}$	
evening max el	1308 Oct 17 j 20:24	25° $\text{♁}$ 42'45	23°22'18	desc. node	1309 Sep 04 j 03:31	4° $\text{♁}$ 18'04	
	1308 Oct 22 j 22:25	0° $\text{♁}$			1309 Sep 22 j 04:07	0° $\text{♁}$	
retrograde	1308 Oct 28 j 07:11	1° $\text{♁}$ 53'50		evening max el	1309 Sep 30 j 08:42	9° $\text{♁}$ 18'56	24°41'09
evening set	1308 Nov 02 j 06:22	29° $\text{♁}$ 50'32		retrograde	1309 Oct 11 j 21:05	16° $\text{♁}$ 01'53	
	1308 Nov 02 j 01:47	30° $\text{♁}$		evening set	1309 Oct 17 j 10:22	13° $\text{♁}$ 41'51	
asc. node	1308 Nov 05 j 11:33	26° $\text{♁}$ 21'49		min. Earth dist.	1309 Oct 22 j 01:01	8° $\text{♁}$ 26'37	0.67423 AU
min. Earth dist.	1308 Nov 07 j 05:33	24° $\text{♁}$ 01'36	0.67740 AU	inferior conj	1309 Oct 22 j 21:22	7° $\text{♁}$ 18'58	-0°09'42
inferior conj	1308 Nov 07 j 15:24	23° $\text{♁}$ 27'50	0°44'17	minimum elong	1309 Oct 22 j 21:36	7° $\text{♁}$ 18'10	0°09'35






























































































































































































































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transit begin	1309 Oct 22 j 19:23	7°♌25'34			1310 Aug 25 j 13:49	0°♏	
transit end	1309 Oct 22 j 23:49	7°♌10'47		evening max el	1310 Sep 12 j 20:34	22°♏58'05	25°52'14
asc. node	1309 Oct 23 j 08:36	6°♌41'39			1310 Sep 24 j 10:19	0°♌	
morning rise	1309 Oct 28 j 08:56	1°♌16'45		retrograde	1310 Sep 25 j 06:19	0°♌02'32	
	1309 Oct 31 j 17:01	30°♏♏			1310 Sep 26 j 01:57	30°♏♏	
direct	1309 Nov 01 j 00:57	29°♏59'24		evening set	1310 Oct 01 j 09:52	27°♏28'26	
	1309 Nov 01 j 08:56	0°♌		min. Earth dist.	1310 Oct 05 j 16:52	22°♏48'45	0.66770 AU
morning max el	1309 Nov 08 j 15:55	4°♌21'12	20°02'17	inferior conj	1310 Oct 07 j 00:11	21°♏09'50	-1°06'20
	1309 Nov 27 j 10:12	0°♏		minimum elong	1310 Oct 07 j 01:54	21°♏04'24	1°05'36
desc. node	1309 Dec 01 j 02:47	5°♏36'58		asc. node	1310 Oct 10 j 05:38	17°♏22'07	
morning set	1309 Dec 05 j 07:51	12°♏05'26		morning rise	1310 Oct 12 j 18:14	15°♏16'17	
max. Earth dist.	1309 Dec 16 j 09:42	29°♏28'19	1.43906 AU	direct	1310 Oct 15 j 23:30	14°♏16'36	
	1309 Dec 16 j 17:38	0°♏		morning max el	1310 Oct 22 j 22:41	18°♏10'44	19°04'48
					1310 Nov 01 j 01:20	0°♌	
superior conj	1309 Dec 21 j 18:19	8°♏07'20	-1°51'41	morning set	1310 Nov 14 j 13:51	20°♌49'21	
minimum elong	1309 Dec 21 j 12:04	7°♏41'51	1°51'17	desc. node	1310 Nov 17 j 23:51	26°♌09'57	
evening rise	1310 Jan 03 j 20:28	0°♏06'55			1310 Nov 20 j 10:39	0°♏	
	1310 Jan 03 j 18:52	0°♏		max. Earth dist.	1310 Nov 29 j 01:20	13°♏30'41	1.44866 AU
asc. node	1310 Jan 19 j 07:53	25°♏03'14					
evening max el	1310 Jan 21 j 19:39	27°♏54'00	18°12'31	superior conj	1310 Dec 01 j 05:35	16°♏56'50	-1°20'51
	1310 Jan 24 j 07:45	0°♏		minimum elong	1310 Nov 30 j 20:58	16°♏22'44	1°19'56
retrograde	1310 Jan 28 j 06:55	1°♏20'29			1310 Dec 09 j 10:03	0°♏	
evening set	1310 Jan 31 j 03:59	0°♏37'43		evening rise	1310 Dec 16 j 04:12	10°♏58'24	
	1310 Feb 01 j 06:23	30°♏♏			1310 Dec 27 j 21:57	0°♏	
inferior conj	1310 Feb 06 j 07:40	25°♏21'00	3°45'52	evening max el	1311 Jan 05 j 07:37	11°♏17'34	18°35'17
minimum elong	1310 Feb 06 j 07:29	25°♏21'31	3°45'53	asc. node	1311 Jan 06 j 04:56	12°♏09'10	
min. Earth dist.	1310 Feb 08 j 22:57	22°♏30'43	0.63037 AU	retrograde	1311 Jan 11 j 22:06	14°♏56'53	
morning rise	1310 Feb 12 j 10:01	19°♏19'15		evening set	1311 Jan 15 j 00:37	14°♏02'48	
direct	1310 Feb 19 j 09:14	16°♏37'38		inferior conj	1311 Jan 20 j 20:02	8°♏27'43	3°36'47
desc. node	1310 Feb 27 j 01:58	19°♏20'41		minimum elong	1311 Jan 20 j 18:21	8°♏32'44	3°36'36
morning max el	1310 Mar 05 j 07:02	24°♏32'43	27°45'49	min. Earth dist.	1311 Jan 22 j 19:49	6°♏05'40	0.64760 AU
	1310 Mar 10 j 06:03	0°♏		morning rise	1311 Jan 26 j 11:37	2°♏19'45	
	1310 Mar 30 j 08:27	0°♏			1311 Jan 30 j 07:02	30°♏♏	
morning set	1310 Apr 08 j 12:26	17°♏18'00		direct	1311 Feb 02 j 06:35	29°♏27'54	
max. Earth dist.	1310 Apr 13 j 21:42	28°♏27'42	1.32850 AU		1311 Feb 05 j 10:10	0°♏	
	1310 Apr 14 j 15:01	0°♏		desc. node	1311 Feb 13 j 23:00	5°♏36'25	
				morning max el	1311 Feb 15 j 16:17	7°♏15'51	27°14'01
superior conj	1310 Apr 16 j 03:49	3°♏17'41	-0°12'01		1311 Mar 05 j 05:53	0°♏	
minimum elong	1310 Apr 16 j 04:24	3°♏20'49	0°11'54		1311 Mar 22 j 14:47	0°♏	
behind sun begin	1310 Apr 16 j 00:54	3°♏01'55		morning set	1311 Mar 23 j 03:28	1°♏01'30	
behind sun end	1310 Apr 16 j 07:54	3°♏39'44		max. Earth dist.	1311 Mar 27 j 19:34	10°♏21'34	1.33792 AU
asc. node	1310 Apr 17 j 07:10	5°♏45'27					
evening rise	1310 Apr 23 j 04:29	18°♏26'27		superior conj	1311 Mar 31 j 07:50	17°♏39'50	-0°39'34
	1310 Apr 28 j 21:12	0°♏		minimum elong	1311 Mar 31 j 09:48	17°♏50'11	0°39'10
evening max el	1310 May 16 j 16:44	26°♏08'53	23°32'07	asc. node	1311 Apr 04 j 04:13	25°♏50'11	
	1310 May 21 j 10:22	0°♏			1311 Apr 06 j 03:15	0°♏	
desc. node	1310 May 26 j 01:12	2°♏16'36		evening rise	1311 Apr 07 j 15:18	3°♏09'53	
retrograde	1310 May 30 j 08:12	2°♏58'27			1311 Apr 22 j 15:57	0°♏	
evening set	1310 Jun 03 j 06:13	2°♏24'43		evening max el	1311 Apr 28 j 10:09	6°♏43'50	21°57'24
	1310 Jun 08 j 18:56	30°♏♏		retrograde	1311 May 11 j 01:24	12°♏56'16	
min. Earth dist.	1310 Jun 10 j 03:05	29°♏13'53	0.55944 AU	desc. node	1311 May 12 j 22:12	12°♏48'26	
inferior conj	1310 Jun 12 j 05:13	27°♏59'00	-4°14'03	evening set	1311 May 13 j 17:33	12°♏40'21	
minimum elong	1310 Jun 11 j 22:36	28°♏08'57	4°12'49	min. Earth dist.	1311 May 22 j 15:06	8°♏52'48	0.55044 AU
morning rise	1310 Jun 20 j 17:39	24°♏03'04		inferior conj	1311 May 23 j 03:15	8°♏35'47	-2°49'54
direct	1310 Jun 23 j 11:14	23°♏44'31		minimum elong	1311 May 22 j 20:03	8°♏45'53	2°47'40
morning max el	1310 Jul 03 j 19:36	28°♏32'01	20°10'52	morning rise	1311 May 31 j 23:53	4°♏41'38	
	1310 Jul 05 j 07:06	0°♏		direct	1311 Jun 04 j 00:36	4°♏21'14	
asc. node	1310 Jul 14 j 06:25	12°♏40'08		morning max el	1311 Jun 16 j 00:02	9°♏58'13	21°36'06
morning set	1310 Jul 22 j 03:47	27°♏45'47			1311 Jun 30 j 04:18	0°♏	
	1310 Jul 23 j 06:06	0°♏		asc. node	1311 Jul 01 j 03:28	1°♏48'21	
				morning set	1311 Jul 06 j 12:35	12°♏32'48	
superior conj	1310 Jul 29 j 20:55	13°♏31'08	1°45'52				
minimum elong	1310 Jul 29 j 20:27	13°♏28'51	1°45'51	superior conj	1311 Jul 13 j 20:10	27°♏54'45	1°40'09
max. Earth dist.	1310 Aug 04 j 03:55	23°♏55'11	1.36636 AU	minimum elong	1311 Jul 13 j 18:30	27°♏46'01	1°40'03
	1310 Aug 07 j 09:39	0°♏			1311 Jul 14 j 20:16	0°♏	
evening rise	1310 Aug 08 j 01:49	1°♏14'06		max. Earth dist.	1311 Jul 17 j 16:28	5°♏48'39	1.34987 AU

evening rise	1311 Jul 22 j 02:41	14°Ω30'54		evening rise	1312 Jul 04 j 16:40	28°Ω26'37	
	1311 Jul 30 j 16:22	0°൬			1312 Jul 05 j 11:33	0°Ω	
desc. node	1311 Aug 08 j 21:33	14°൬40'54			1312 Jul 22 j 20:19	0°൬	
	1311 Aug 20 j 07:05	0°Ω		desc. node	1312 Jul 25 j 18:32	4°൬14'24	
evening max el	1311 Aug 26 j 08:49	6°Ω33'54	26°47'38	evening max el	1312 Aug 07 j 20:35	19°൬56'04	27°20'02
retrograde	1311 Sep 08 j 10:08	13°Ω49'08		retrograde	1312 Aug 21 j 08:14	27°൬14'31	
evening set	1311 Sep 15 j 02:43	11°Ω06'11		evening set	1312 Aug 28 j 10:20	24°൬31'12	
min. Earth dist.	1311 Sep 19 j 02:34	7°Ω03'21	0.65774 AU	min. Earth dist.	1312 Sep 01 j 03:53	21°൬04'11	0.64419 AU
inferior conj	1311 Sep 20 j 21:49	4°Ω56'14	-2°03'59	inferior conj	1312 Sep 03 j 12:00	18°൬33'50	-3°00'16
minimum elong	1311 Sep 21 j 01:05	4°Ω46'40	2°02'43	minimum elong	1312 Sep 03 j 16:34	18°൬21'33	2°58'45
	1311 Sep 25 j 19:04	30°൬൬		morning rise	1312 Sep 09 j 23:45	13°൬07'23	
morning rise	1311 Sep 27 j 00:01	29°൬14'33		direct	1312 Sep 12 j 14:35	12°൬32'09	
asc. node	1311 Sep 27 j 02:41	29°൬11'06		asc. node	1312 Sep 12 j 23:43	12°൬32'54	
direct	1311 Sep 29 j 20:53	28°൬28'52		morning max el	1312 Sep 19 j 02:44	15°൬59'01	17°58'55
	1311 Oct 04 j 00:58	0°Ω			1312 Sep 29 j 02:28	0°Ω	
morning max el	1311 Oct 06 j 11:07	2°Ω04'56	18°23'22	morning set	1312 Oct 06 j 11:32	12°Ω24'26	
	1311 Oct 25 j 08:50	0°൬			1312 Oct 17 j 00:49	0°൬	
morning set	1311 Oct 25 j 22:32	0°൬55'23					
desc. node	1311 Nov 04 j 20:52	16°൬51'02		superior conj	1312 Oct 19 j 19:05	4°൬28'54	0°13'03
				minimum elong	1312 Oct 19 j 20:36	4°൬35'02	0°12'51
superior conj	1311 Nov 10 j 06:34	25°൬23'34	-0°35'26	behind sun begin	1312 Oct 19 j 14:15	4°൬09'21	
minimum elong	1311 Nov 10 j 01:57	25°൬05'24	0°34'49	behind sun end	1312 Oct 20 j 02:58	5°൬00'40	
max. Earth dist.	1311 Nov 11 j 20:21	27°൬52'10	1.45103 AU	desc. node	1312 Oct 21 j 17:53	7°൬37'00	
	1311 Nov 13 j 04:54	0°♂		max. Earth dist.	1312 Oct 24 j 15:11	12°൬13'02	1.44598 AU
evening rise	1311 Nov 26 j 12:26	20°♂53'02		evening rise	1312 Nov 05 j 01:52	0°♂04'57	
	1311 Dec 02 j 07:40	0°♂			1312 Nov 05 j 00:35	0°♂	
greatest brilliancy	1311 Dec 06 j 23:36	7°♂16'13	-0.8m	greatest brilliancy	1312 Nov 19 j 07:19	21°♂38'20	-0.6m
evening max el	1311 Dec 19 j 16:40	24°♂45'11	19°15'20		1312 Nov 25 j 03:50	0°♂	
asc. node	1311 Dec 24 j 01:58	28°♂08'53		evening max el	1312 Dec 01 j 21:02	8°♂14'20	20°10'55
retrograde	1311 Dec 26 j 17:57	28°♂47'41		retrograde	1312 Dec 09 j 15:44	12°♂48'25	
evening set	1311 Dec 30 j 03:04	27°♂41'01		asc. node	1312 Dec 09 j 22:59	12°♂47'55	
inferior conj	1312 Jan 04 j 16:51	21°♂49'45	3°14'08	evening set	1312 Dec 13 j 09:03	11°♂27'47	
minimum elong	1312 Jan 04 j 14:22	21°♂57'43	3°13'37	inferior conj	1312 Dec 18 j 19:22	5°♂23'12	2°41'20
min. Earth dist.	1312 Jan 06 j 01:32	20°♂05'02	0.66095 AU	minimum elong	1312 Dec 18 j 16:41	5°♂32'14	2°40'32
morning rise	1312 Jan 10 j 01:25	15°♂38'14		min. Earth dist.	1312 Dec 19 j 14:30	4°♂18'45	0.67025 AU
direct	1312 Jan 16 j 10:02	12°♂50'05			1312 Dec 23 j 03:27	30°൬♂	
morning max el	1312 Jan 29 j 01:49	20°♂18'58	26°14'04	morning rise	1312 Dec 24 j 00:08	29°♂09'59	
desc. node	1312 Jan 31 j 20:03	23°♂15'11		direct	1312 Dec 29 j 18:59	26°♂35'50	
	1312 Feb 06 j 10:05	0°≈			1313 Jan 06 j 12:37	0°♂	
	1312 Feb 26 j 08:51	0°♂		morning max el	1313 Jan 10 j 10:34	3°♂32'28	24°55'12
morning set	1312 Mar 05 j 05:47	14°♂02'35		desc. node	1313 Jan 17 j 17:07	11°♂53'07	
max. Earth dist.	1312 Mar 09 j 06:09	21°♂42'36	1.35193 AU		1313 Jan 30 j 16:26	0°≈	
	1312 Mar 13 j 10:03	0°൬		morning set	1313 Feb 15 j 14:18	26°≈07'20	
					1313 Feb 17 j 18:03	0°♂	
superior conj	1312 Mar 14 j 04:58	1°൬36'17	-1°06'46	max. Earth dist.	1313 Feb 19 j 06:09	2°♂45'26	1.37013 AU
minimum elong	1312 Mar 14 j 08:14	1°൬52'57	1°06'12				
asc. node	1312 Mar 21 j 01:15	15°൬45'43		superior conj	1313 Feb 25 j 16:16	14°♂59'15	-1°31'42
evening rise	1312 Mar 21 j 23:11	17°൬38'45		minimum elong	1313 Feb 25 j 20:21	15°♂19'16	1°31'09
	1312 Mar 28 j 05:36	0°♂			1313 Mar 05 j 04:38	0°൬	
evening max el	1312 Apr 09 j 13:00	17°♂44'57	20°33'29	evening rise	1313 Mar 06 j 01:55	1°൬46'48	
retrograde	1312 Apr 20 j 14:21	23°♂06'21		asc. node	1313 Mar 07 j 22:17	5°൬27'37	
evening set	1312 Apr 22 j 16:48	22°♂55'32		evening max el	1313 Mar 23 j 03:28	29°൬25'11	19°27'10
desc. node	1312 Apr 28 j 19:12	20°♂41'17			1313 Mar 23 j 18:23	0°♂	
inferior conj	1312 May 01 j 21:27	18°♂57'49	-0°53'52	retrograde	1313 Apr 01 j 11:56	3°♂55'51	
minimum elong	1312 May 01 j 18:55	19°♂01'30	0°52'55	evening set	1313 Apr 03 j 14:09	3°♂43'18	
min. Earth dist.	1312 May 03 j 03:47	18°♂14'03	0.55068 AU		1313 Apr 11 j 12:15	30°൬൬	
morning rise	1312 May 10 j 20:06	14°♂46'27		inferior conj	1313 Apr 12 j 02:27	29°൬37'03	1°00'41
direct	1312 May 14 j 11:05	14°♂18'07		minimum elong	1313 Apr 12 j 04:54	29°൬33'03	0°59'50
morning max el	1312 May 27 j 19:02	20°♂45'44	23°15'03	min. Earth dist.	1313 Apr 14 j 18:19	27°൬53'56	0.56031 AU
	1312 Jun 04 j 15:41	0°♂		desc. node	1313 Apr 15 j 16:15	27°൬20'06	
asc. node	1312 Jun 17 j 00:31	21°♂21'03		morning rise	1313 Apr 20 j 16:54	24°൬53'20	
morning set	1312 Jun 19 j 23:47	27°♂27'58		direct	1313 Apr 25 j 06:58	24°൬05'39	
	1312 Jun 21 j 04:34	0°♂			1313 May 08 j 01:23	0°♂	
				morning max el	1313 May 09 j 09:45	1°♂14'14	24°55'59
superior conj	1312 Jun 27 j 01:46	12°♂37'44	1°28'37		1313 May 29 j 07:28	0°♂	
minimum elong	1312 Jun 26 j 23:27	12°♂25'20	1°28'22	asc. node	1313 Jun 03 j 21:33	11°♂10'53	
max. Earth dist.	1312 Jun 29 j 14:25	17°♂59'57	1.33708 AU	morning set	1313 Jun 04 j 11:40	12°♂25'04	

superior conj	1313 Jun 11 j 11:17	27° $\Pi$ 31'36	1°12'23	superior conj	1314 May 26 j 22:47	12° $\Pi$ 29'55	0°52'18
minimum elong	1313 Jun 11 j 08:52	27° $\Pi$ 18'27	1°12'01	minimum elong	1314 May 26 j 20:45	12° $\Pi$ 18'42	0°51'54
	1313 Jun 12 j 14:34	0° $\mathfrak{S}$		max. Earth dist.	1314 May 27 j 07:15	13° $\Pi$ 16'25	1.32345 AU
max. Earth dist.	1313 Jun 12 j 20:19	0° $\mathfrak{S}$ 31'08	1.32828 AU	evening rise	1314 Jun 02 j 21:41	27° $\Pi$ 30'43	
evening rise	1313 Jun 18 j 15:58	12° $\mathfrak{S}$ 49'32			1314 Jun 04 j 02:29	0° $\mathfrak{S}$	
	1313 Jun 27 j 15:10	0° $\Omega$			1314 Jun 21 j 01:24	0° $\Omega$	
desc. node	1313 Jul 12 j 15:33	23° $\Omega$ 07'20		desc. node	1314 Jun 29 j 12:34	11° $\Omega$ 02'37	
	1313 Jul 18 j 10:24	0° $\mathfrak{M}$		evening max el	1314 Jul 03 j 10:16	15° $\Omega$ 06'53	26°53'43
evening max el	1313 Jul 21 j 05:50	2° $\mathfrak{M}$ 50'51	27°23'19	retrograde	1314 Jul 17 j 08:59	22° $\Omega$ 21'36	
retrograde	1313 Aug 04 j 00:13	10° $\mathfrak{M}$ 08'30		evening set	1314 Jul 24 j 07:05	20° $\Omega$ 15'38	
evening set	1313 Aug 11 j 05:15	7° $\mathfrak{M}$ 36'52		min. Earth dist.	1314 Jul 28 j 00:21	17° $\Omega$ 36'19	0.60746 AU
min. Earth dist.	1313 Aug 14 j 19:15	4° $\mathfrak{M}$ 39'48	0.62715 AU	inferior conj	1314 Jul 31 j 06:04	14° $\Omega$ 52'29	-4°32'29
inferior conj	1313 Aug 17 j 15:51	1° $\mathfrak{M}$ 55'17	-3°51'43	minimum elong	1314 Jul 31 j 10:18	14° $\Omega$ 43'30	4°31'49
minimum elong	1313 Aug 17 j 21:01	1° $\mathfrak{M}$ 42'52	3°50'24	morning rise	1314 Aug 07 j 15:21	10° $\Omega$ 05'45	
	1313 Aug 19 j 17:21	30° $\mathfrak{R}$ $\Omega$		direct	1314 Aug 10 j 01:48	9° $\Omega$ 42'31	
morning rise	1313 Aug 24 j 14:10	26° $\Omega$ 47'23		morning max el	1314 Aug 17 j 07:33	13° $\Omega$ 16'40	18°04'31
direct	1313 Aug 27 j 01:29	26° $\Omega$ 19'28		asc. node	1314 Aug 17 j 17:50	13° $\Omega$ 42'11	
asc. node	1313 Aug 30 j 20:47	27° $\Omega$ 27'11			1314 Aug 28 j 15:10	0° $\mathfrak{M}$	
morning max el	1313 Sep 02 j 18:34	29° $\Omega$ 45'34	17°52'16	morning set	1314 Sep 02 j 04:08	8° $\mathfrak{M}$ 21'29	
	1313 Sep 03 j 00:21	0° $\mathfrak{M}$					
morning set	1313 Sep 18 j 23:24	24° $\mathfrak{M}$ 58'48		superior conj	1314 Sep 12 j 01:26	26° $\mathfrak{M}$ 29'03	1°22'40
	1313 Sep 21 j 19:17	0° $\mathfrak{L}$		minimum elong	1314 Sep 12 j 05:41	26° $\mathfrak{M}$ 47'55	1°22'14
					1314 Sep 14 j 01:14	0° $\mathfrak{L}$	
superior conj	1313 Sep 30 j 08:57	14° $\mathfrak{L}$ 49'52	0°53'53	max. Earth dist.	1314 Sep 19 j 16:15	9° $\mathfrak{L}$ 38'00	1.41737 AU
minimum elong	1313 Sep 30 j 13:29	15° $\mathfrak{L}$ 08'59	0°53'19	evening rise	1314 Sep 25 j 06:11	18° $\mathfrak{L}$ 46'38	
max. Earth dist.	1313 Oct 07 j 06:21	26° $\mathfrak{L}$ 13'02	1.43425 AU	desc. node	1314 Sep 25 j 11:54	19° $\mathfrak{L}$ 09'32	
desc. node	1313 Oct 08 j 14:53	28° $\mathfrak{L}$ 24'13			1314 Oct 02 j 10:17	0° $\mathfrak{M}$	
	1313 Oct 09 j 14:48	0° $\mathfrak{M}$			1314 Oct 23 j 20:18	0° $\mathfrak{J}$	
evening rise	1313 Oct 15 j 09:59	9° $\mathfrak{M}$ 07'52		evening max el	1314 Oct 28 j 13:07	5° $\mathfrak{J}$ 15'18	22°36'20
	1313 Oct 29 j 06:21	0° $\mathfrak{J}$		retrograde	1314 Nov 07 j 08:39	11° $\mathfrak{J}$ 05'12	
evening max el	1313 Nov 14 j 19:42	21° $\mathfrak{J}$ 43'55	21°19'19	evening set	1314 Nov 12 j 00:05	9° $\mathfrak{J}$ 12'13	
retrograde	1313 Nov 23 j 13:14	26° $\mathfrak{J}$ 55'18		asc. node	1314 Nov 13 j 17:05	7° $\mathfrak{J}$ 33'04	
asc. node	1313 Nov 26 j 20:02	25° $\mathfrak{J}$ 55'14		inferior conj	1314 Nov 17 j 08:35	2° $\mathfrak{J}$ 51'29	1°13'38
evening set	1313 Nov 27 j 16:38	25° $\mathfrak{J}$ 19'08		minimum elong	1314 Nov 17 j 06:58	2° $\mathfrak{J}$ 57'06	1°12'59
inferior conj	1313 Dec 03 j 01:16	19° $\mathfrak{J}$ 04'38	2°00'36	min. Earth dist.	1314 Nov 17 j 04:52	3° $\mathfrak{J}$ 04'21	0.67776 AU
minimum elong	1313 Dec 02 j 22:54	19° $\mathfrak{J}$ 12'47	1°59'45		1314 Nov 19 j 11:30	30° $\mathfrak{R}$ $\mathfrak{M}$	
min. Earth dist.	1313 Dec 03 j 08:27	18° $\mathfrak{J}$ 39'50	0.67573 AU	morning rise	1314 Nov 22 j 13:42	26° $\mathfrak{M}$ 40'48	
morning rise	1313 Dec 08 j 05:00	12° $\mathfrak{J}$ 51'38		direct	1314 Nov 27 j 02:42	24° $\mathfrak{M}$ 49'19	
direct	1313 Dec 13 j 08:50	10° $\mathfrak{J}$ 37'33			1314 Dec 06 j 01:47	0° $\mathfrak{J}$	
morning max el	1313 Dec 23 j 19:26	16° $\mathfrak{J}$ 50'38	23°27'36	morning max el	1314 Dec 06 j 07:33	0° $\mathfrak{J}$ 14'27	22°00'42
	1314 Jan 03 j 16:41	0° $\mathfrak{Z}$		desc. node	1314 Dec 22 j 11:11	21° $\mathfrak{J}$ 02'28	
desc. node	1314 Jan 04 j 14:10	1° $\mathfrak{Z}$ 12'58			1314 Dec 28 j 12:47	0° $\mathfrak{Z}$	
	1314 Jan 23 j 17:40	0° $\approx$		morning set	1315 Jan 08 j 02:15	16° $\mathfrak{Z}$ 26'14	
morning set	1314 Jan 27 j 22:49	6° $\approx$ 59'19		max. Earth dist.	1315 Jan 13 j 22:39	26° $\mathfrak{Z}$ 01'46	1.41224 AU
max. Earth dist.	1314 Feb 01 j 00:59	14° $\approx$ 01'06	1.39104 AU		1315 Jan 16 j 07:09	0° $\approx$	
superior conj	1314 Feb 08 j 13:50	27° $\approx$ 38'44	-1°51'39	superior conj	1315 Jan 21 j 16:40	9° $\approx$ 21'44	-2°02'57
minimum elong	1314 Feb 08 j 17:37	27° $\approx$ 56'22	1°51'22	minimum elong	1315 Jan 21 j 18:08	9° $\approx$ 28'13	2°02'56
	1314 Feb 09 j 19:58	0° $\mathfrak{H}$		evening rise	1315 Feb 01 j 04:19	28° $\approx$ 29'19	
evening rise	1314 Feb 17 j 20:46	15° $\mathfrak{H}$ 26'43			1315 Feb 01 j 23:51	0° $\mathfrak{H}$	
asc. node	1314 Feb 22 j 19:20	24° $\mathfrak{H}$ 50'38		asc. node	1315 Feb 09 j 16:24	13° $\mathfrak{H}$ 47'19	
	1314 Feb 25 j 16:39	0° $\mathfrak{Y}$		evening max el	1315 Feb 17 j 11:56	24° $\mathfrak{H}$ 30'10	18°14'25
evening max el	1314 Mar 06 j 04:10	11° $\mathfrak{Y}$ 43'24	18°40'46	retrograde	1315 Feb 24 j 12:00	28° $\mathfrak{H}$ 00'28	
retrograde	1314 Mar 14 j 02:43	15° $\mathfrak{Y}$ 35'40		evening set	1315 Feb 27 j 01:20	27° $\mathfrak{H}$ 33'23	
evening set	1314 Mar 16 j 10:16	15° $\mathfrak{Y}$ 17'08		inferior conj	1315 Mar 06 j 00:53	22° $\mathfrak{H}$ 48'48	3°19'59
inferior conj	1314 Mar 24 j 03:11	10° $\mathfrak{Y}$ 53'27	2°27'29	minimum elong	1315 Mar 06 j 03:53	22° $\mathfrak{H}$ 42'10	3°19'31
minimum elong	1314 Mar 24 j 07:19	10° $\mathfrak{Y}$ 45'37	2°26'22	min. Earth dist.	1315 Mar 09 j 10:11	19° $\mathfrak{H}$ 51'11	0.59799 AU
min. Earth dist.	1314 Mar 27 j 11:53	8° $\mathfrak{Y}$ 22'11	0.57722 AU	morning rise	1315 Mar 13 j 04:10	17° $\mathfrak{H}$ 08'05	
morning rise	1314 Apr 01 j 01:17	5° $\mathfrak{Y}$ 36'51		direct	1315 Mar 19 j 16:16	15° $\mathfrak{H}$ 10'57	
desc. node	1314 Apr 02 j 13:19	5° $\mathfrak{Y}$ 00'26		desc. node	1315 Mar 20 j 10:22	15° $\mathfrak{H}$ 12'29	
direct	1314 Apr 06 j 17:17	4° $\mathfrak{Y}$ 16'56		morning max el	1315 Apr 02 j 23:33	22° $\mathfrak{H}$ 58'32	27°23'48
morning max el	1314 Apr 21 j 02:00	11° $\mathfrak{Y}$ 51'16	26°23'30		1315 Apr 09 j 05:47	0° $\mathfrak{Y}$	
	1314 May 05 j 04:26	0° $\mathfrak{B}$			1315 Apr 28 j 05:40	0° $\mathfrak{B}$	
morning set	1314 May 19 j 22:37	27° $\mathfrak{B}$ 18'46		morning set	1315 May 04 j 06:55	12° $\mathfrak{B}$ 02'28	
	1314 May 21 j 05:04	0° $\Pi$		asc. node	1315 May 08 j 15:39	21° $\mathfrak{B}$ 20'22	
asc. node	1314 May 21 j 18:36	1° $\Pi$ 12'28					
				superior conj	1315 May 11 j 10:28	27° $\mathfrak{B}$ 25'47	0°29'05

minimum elong	1315 May 11 j 09:12	27°♄18'50	0°28'49	superior conj	1316 Apr 24 j 20:37	12°♄13'25	0°03'30
max. Earth dist.	1315 May 10 j 19:39	26°♄04'29	1.32242 AU	minimum elong	1316 Apr 24 j 20:27	12°♄12'32	0°03'27
	1315 May 12 j 14:31	0°♄		behind sun begin	1316 Apr 24 j 15:26	11°♄45'11	
evening rise	1315 May 18 j 07:21	12°♄21'25		behind sun end	1316 Apr 25 j 01:29	12°♄39'55	
	1315 May 27 j 06:36	0°♄		asc. node	1316 Apr 24 j 12:42	11°♄30'24	
evening max el	1315 Jun 15 j 08:00	26°♄37'01	25°52'16	evening rise	1316 May 01 j 18:56	27°♄14'38	
desc. node	1315 Jun 16 j 09:36	27°♄36'15			1316 May 03 j 02:23	0°♄	
	1315 Jun 19 j 08:31	0°♄			1316 May 20 j 11:19	0°♄	
retrograde	1315 Jun 29 j 08:36	3°♄47'20		evening max el	1316 May 26 j 23:27	7°♄25'54	24°26'41
evening set	1315 Jul 05 j 11:11	2°♄18'00		desc. node	1316 Jun 02 j 06:39	12°♄16'13	
	1315 Jul 09 j 08:35	30°♄		retrograde	1316 Jun 09 j 20:49	14°♄26'51	
min. Earth dist.	1315 Jul 09 j 20:29	29°♄39'22	0.58684 AU	evening set	1316 Jun 14 j 15:54	13°♄35'22	
inferior conj	1315 Jul 13 j 03:03	27°♄15'44	-4°53'17	min. Earth dist.	1316 Jun 20 j 10:32	10°♄40'24	0.56808 AU
minimum elong	1315 Jul 13 j 04:03	27°♄13'53	4°53'15	inferior conj	1316 Jun 23 j 04:04	8°♄56'10	-4°41'06
morning rise	1315 Jul 20 j 23:12	22°♄51'33		minimum elong	1316 Jun 22 j 23:59	9°♄02'43	4°40'40
direct	1315 Jul 23 j 11:17	22°♄31'01		morning rise	1316 Jul 01 j 10:46	4°♄52'32	
morning max el	1315 Jul 31 j 14:31	26°♄23'26	18°37'00	direct	1316 Jul 04 j 02:11	4°♄33'32	
	1315 Aug 03 j 19:54	0°♄		morning max el	1316 Jul 13 j 12:31	8°♄56'32	19°30'39
asc. node	1315 Aug 04 j 14:53	1°♄02'39		asc. node	1316 Jul 21 j 11:55	19°♄14'11	
morning set	1315 Aug 16 j 20:50	22°♄19'19			1316 Jul 27 j 12:15	0°♄	
	1315 Aug 20 j 19:48	0°♄		morning set	1316 Jul 30 j 21:48	6°♄41'55	
superior conj	1315 Aug 25 j 15:51	9°♄13'22	1°39'26	superior conj	1316 Aug 07 j 22:33	22°♄46'40	1°45'58
minimum elong	1315 Aug 25 j 18:19	9°♄24'55	1°39'16	minimum elong	1316 Aug 07 j 23:03	22°♄49'10	1°45'58
max. Earth dist.	1315 Sep 01 j 21:38	22°♄21'46	1.39750 AU		1316 Aug 11 j 16:13	0°♄	
evening rise	1315 Sep 06 j 01:07	29°♄29'02		max. Earth dist.	1316 Aug 14 j 01:27	4°♄28'17	1.37721 AU
	1315 Sep 06 j 08:29	0°♄		evening rise	1316 Aug 17 j 19:59	11°♄18'35	
desc. node	1315 Sep 12 j 08:56	9°♄49'26		desc. node	1316 Aug 29 j 05:57	0°♄19'04	
	1315 Sep 25 j 21:11	0°♄			1316 Aug 29 j 01:04	0°♄	
evening max el	1315 Oct 11 j 02:49	18°♄50'24	23°56'24		1316 Sep 20 j 05:16	0°♄	
retrograde	1315 Oct 22 j 00:43	25°♄15'28		evening max el	1316 Sep 22 j 14:43	2°♄28'12	25°12'51
evening set	1315 Oct 27 j 05:48	23°♄05'05		retrograde	1316 Oct 04 j 12:32	9°♄21'08	
asc. node	1315 Oct 31 j 14:07	18°♄07'58		evening set	1316 Oct 10 j 08:05	6°♄54'32	
min. Earth dist.	1315 Nov 01 j 01:19	17°♄30'16	0.67648 AU	min. Earth dist.	1316 Oct 14 j 19:23	1°♄54'30	0.67188 AU
inferior conj	1315 Nov 01 j 15:32	16°♄42'03	0°21'51	inferior conj	1316 Oct 15 j 20:20	0°♄33'10	-0°33'28
minimum elong	1315 Nov 01 j 15:00	16°♄43'49	0°21'38	minimum elong	1316 Oct 15 j 21:11	0°♄30'25	0°33'06
morning rise	1315 Nov 07 j 00:11	10°♄36'06			1316 Oct 16 j 06:32	30°♄	
direct	1315 Nov 10 j 23:27	9°♄06'48		asc. node	1316 Oct 17 j 11:09	28°♄29'18	
morning max el	1315 Nov 19 j 02:21	13°♄48'42	20°42'02	morning rise	1316 Oct 21 j 10:28	24°♄34'33	
	1315 Dec 01 j 17:19	0°♄		direct	1316 Oct 24 j 21:42	23°♄25'07	
desc. node	1315 Dec 09 j 08:13	11°♄13'44		morning max el	1316 Nov 01 j 05:00	27°♄33'29	19°36'03
morning set	1315 Dec 18 j 04:47	24°♄46'27			1316 Nov 03 j 10:31	0°♄	
	1315 Dec 21 j 12:52	0°♄		greatest brilliancy	1316 Nov 14 j 15:04	15°♄29'14	-0.7m
max. Earth dist.	1315 Dec 27 j 04:15	9°♄00'36	1.43075 AU		1316 Nov 24 j 03:19	0°♄	
superior conj	1316 Jan 02 j 19:34	19°♄56'49	-2°00'50	desc. node	1316 Nov 25 j 05:14	1°♄40'03	
minimum elong	1316 Jan 02 j 16:22	19°♄43'24	2°00'43	morning set	1316 Nov 26 j 02:10	3°♄01'00	
	1316 Jan 08 j 17:04	0°♄		max. Earth dist.	1316 Dec 08 j 17:07	22°♄45'32	1.44403 AU
evening rise	1316 Jan 14 j 20:37	10°♄47'08		superior conj	1316 Dec 12 j 19:51	29°♄19'23	-1°40'52
	1316 Jan 26 j 02:34	0°♄		minimum elong	1316 Dec 12 j 11:53	28°♄47'27	1°40'12
asc. node	1316 Jan 27 j 13:27	2°♄09'36			1316 Dec 13 j 05:57	0°♄	
evening max el	1316 Jan 31 j 23:32	7°♄36'47	18°07'38	evening rise	1316 Dec 26 j 17:18	22°♄11'53	
retrograde	1316 Feb 07 j 12:33	11°♄00'44			1316 Dec 31 j 08:27	0°♄	
evening set	1316 Feb 10 j 06:54	10°♄23'49		asc. node	1317 Jan 13 j 10:28	19°♄46'56	
inferior conj	1316 Feb 16 j 16:45	5°♄18'11	3°43'04	evening max el	1317 Jan 14 j 12:02	20°♄55'28	18°19'53
minimum elong	1316 Feb 16 j 17:41	5°♄15'49	3°43'01	retrograde	1317 Jan 20 j 23:41	24°♄26'14	
min. Earth dist.	1316 Feb 19 j 16:01	2°♄19'16	0.61915 AU	evening set	1317 Jan 23 j 22:58	23°♄38'44	
	1316 Feb 22 j 07:01	30°♄		inferior conj	1317 Jan 29 j 22:45	18°♄13'38	3°43'57
morning rise	1316 Feb 23 j 03:09	29°♄22'15		minimum elong	1317 Jan 29 j 21:51	18°♄16'12	3°43'54
direct	1316 Mar 01 j 01:09	26°♄53'39		min. Earth dist.	1317 Feb 01 j 07:23	15°♄34'00	0.63816 AU
desc. node	1316 Mar 06 j 07:25	28°♄09'57		morning rise	1317 Feb 04 j 20:02	12°♄08'40	
	1316 Mar 09 j 11:39	0°♄		direct	1317 Feb 11 j 18:10	9°♄21'13	
morning max el	1316 Mar 15 j 03:21	4°♄47'10	27°48'29	desc. node	1317 Feb 21 j 04:27	13°♄23'47	
	1316 Apr 03 j 00:00	0°♄		morning max el	1317 Feb 25 j 11:39	17°♄14'19	27°36'16
morning set	1316 Apr 17 j 10:34	26°♄29'40			1317 Mar 08 j 03:09	0°♄	
	1316 Apr 19 j 03:23	0°♄			1317 Mar 26 j 18:54	0°♄	
max. Earth dist.	1316 Apr 23 j 05:41	8°♄42'11	1.32519 AU	morning set	1317 Apr 01 j 07:09	10°♄32'34	

max. Earth dist.	1317 Apr 06 j 09:17	20° $\Upsilon$ 56'25	1.33199 AU			1318 Mar 18 j 19:14	0° $\Upsilon$	
				max. Earth dist.		1318 Mar 20 j 02:33	2° $\Upsilon$ 36'14	1.34329 AU
superior conj	1317 Apr 09 j 03:28	26° $\Upsilon$ 47'03	-0°23'40	superior conj		1318 Mar 24 j 04:52	10° $\Upsilon$ 59'27	-0°51'16
minimum elong	1317 Apr 09 j 04:37	26° $\Upsilon$ 53'16	0°23'25	minimum elong		1318 Mar 24 j 07:25	11° $\Upsilon$ 12'42	0°50'46
	1317 Apr 10 j 15:26	0° $\mathcal{B}$		asc. node		1318 Mar 29 j 06:47	21° $\Upsilon$ 40'09	
asc. node	1317 Apr 11 j 09:46	1° $\mathcal{B}$ 38'36		evening rise		1318 Mar 31 j 16:25	26° $\Upsilon$ 42'09	
evening rise	1317 Apr 16 j 06:36	12° $\mathcal{B}$ 03'55				1318 Apr 02 j 06:46	0° $\mathcal{B}$	
	1317 Apr 25 j 11:15	0° $\Pi$		evening max el		1318 Apr 20 j 10:42	28° $\mathcal{B}$ 40'46	21°19'51
evening max el	1317 May 08 j 13:51	17° $\Pi$ 56'53	22°51'03			1318 Apr 21 j 21:26	0° $\Pi$	
desc. node	1317 May 20 j 03:40	24° $\Pi$ 26'58		retrograde		1318 May 02 j 11:31	4° $\Pi$ 32'55	
retrograde	1317 May 21 j 20:58	24° $\Pi$ 33'43		evening set		1318 May 04 j 19:21	4° $\Pi$ 20'30	
evening set	1317 May 25 j 04:54	24° $\Pi$ 09'21		desc. node		1318 May 07 j 00:41	3° $\Pi$ 46'58	
min. Earth dist.	1317 Jun 01 j 22:30	20° $\Pi$ 44'36	0.55454 AU	inferior conj		1318 May 14 j 04:47	0° $\Pi$ 20'48	-2°02'48
inferior conj	1317 Jun 03 j 10:06	19° $\Pi$ 53'22	-3°43'49	minimum elong		1318 May 13 j 23:08	0° $\Pi$ 28'44	2°00'51
minimum elong	1317 Jun 03 j 02:29	20° $\Pi$ 04'21	3°41'56	min. Earth dist.		1318 May 14 j 10:59	0° $\Pi$ 12'04	0.54930 AU
morning rise	1317 Jun 12 j 02:31	16° $\Pi$ 00'49				1318 May 14 j 19:35	30° $\mathcal{R}$	
direct	1317 Jun 14 j 22:30	15° $\Pi$ 42'03		morning rise		1318 May 23 j 03:19	26° $\mathcal{B}$ 21'25	
morning max el	1317 Jun 25 j 23:38	20° $\Pi$ 49'14	20°45'05	direct		1318 May 26 j 08:41	25° $\mathcal{B}$ 58'50	
	1317 Jul 03 j 12:10	0° $\mathcal{E}$				1318 Jun 05 j 16:08	0° $\Pi$	
asc. node	1317 Jul 08 j 08:58	8° $\mathcal{E}$ 05'03		morning max el		1318 Jun 07 j 23:48	1° $\Pi$ 58'32	22°17'04
morning set	1317 Jul 15 j 04:23	21° $\mathcal{E}$ 22'20		asc. node		1318 Jun 25 j 06:01	27° $\Pi$ 24'39	
	1317 Jul 19 j 08:18	0° $\mathcal{O}$				1318 Jun 26 j 13:28	0° $\mathcal{E}$	
superior conj	1317 Jul 22 j 16:53	6° $\mathcal{O}$ 55'58	1°44'14	morning set		1318 Jun 29 j 14:24	6° $\mathcal{E}$ 13'27	
minimum elong	1317 Jul 22 j 15:51	6° $\mathcal{O}$ 50'38	1°44'12	superior conj		1318 Jul 06 j 19:12	21° $\mathcal{E}$ 29'09	1°35'54
max. Earth dist.	1317 Jul 27 j 09:11	16° $\mathcal{O}$ 18'36	1.35885 AU	minimum elong		1318 Jul 06 j 17:11	21° $\mathcal{E}$ 18'30	1°35'44
evening rise	1317 Jul 31 j 11:19	24° $\mathcal{O}$ 07'35		max. Earth dist.		1318 Jul 10 j 01:22	28° $\mathcal{E}$ 16'52	1.34391 AU
	1317 Aug 03 j 16:27	0° $\mathcal{M}$				1318 Jul 10 j 21:30	0° $\mathcal{O}$	
desc. node	1317 Aug 16 j 02:58	20° $\mathcal{M}$ 33'12		evening rise		1318 Jul 14 j 18:17	7° $\mathcal{O}$ 42'36	
	1317 Aug 22 j 15:25	0° $\mathcal{L}$				1318 Jul 27 j 06:01	0° $\mathcal{M}$	
evening max el	1317 Sep 05 j 02:31	16° $\mathcal{L}$ 06'16	26°18'06	desc. node		1318 Aug 02 j 23:59	10° $\mathcal{M}$ 24'06	
retrograde	1317 Sep 17 j 19:34	23° $\mathcal{L}$ 17'00		evening max el		1318 Aug 18 j 14:35	29° $\mathcal{M}$ 37'11	27°04'39
evening set	1317 Sep 24 j 05:02	20° $\mathcal{L}$ 37'55				1318 Aug 19 j 00:12	0° $\mathcal{L}$	
min. Earth dist.	1317 Sep 28 j 08:47	16° $\mathcal{L}$ 14'08	0.66390 AU	retrograde		1318 Aug 31 j 21:15	6° $\mathcal{L}$ 55'25	
inferior conj	1317 Sep 29 j 21:11	14° $\mathcal{L}$ 22'26	-1°30'47	evening set		1318 Sep 07 j 18:19	4° $\mathcal{L}$ 11'00	
minimum elong	1317 Sep 29 j 23:33	14° $\mathcal{L}$ 15'08	1°29'49	min. Earth dist.		1318 Sep 11 j 15:16	0° $\mathcal{L}$ 23'38	0.65235 AU
asc. node	1317 Oct 04 j 08:11	9° $\mathcal{L}$ 33'59				1318 Sep 11 j 23:43	30° $\mathcal{R}$	
morning rise	1317 Oct 05 j 18:32	8° $\mathcal{L}$ 33'49		inferior conj		1318 Sep 13 j 15:56	28° $\mathcal{M}$ 05'38	-2°28'14
direct	1317 Oct 08 j 19:53	7° $\mathcal{L}$ 40'41		minimum elong		1318 Sep 13 j 19:48	27° $\mathcal{M}$ 54'40	2°26'49
morning max el	1317 Oct 15 j 14:31	11° $\mathcal{L}$ 26'03	18°45'12	morning rise		1318 Sep 19 j 22:03	22° $\mathcal{M}$ 30'02	
	1317 Oct 28 j 23:39	0° $\mathcal{M}$		asc. node		1318 Sep 21 j 05:13	22° $\mathcal{M}$ 00'44	
morning set	1317 Nov 05 j 18:19	12° $\mathcal{M}$ 16'53		direct		1318 Sep 22 j 15:55	21° $\mathcal{M}$ 49'22	
desc. node	1317 Nov 12 j 02:15	22° $\mathcal{M}$ 16'54		morning max el		1318 Sep 29 j 04:38	25° $\mathcal{M}$ 20'53	18°10'49
	1317 Nov 17 j 00:01	0° $\mathcal{J}$				1318 Oct 03 j 02:06	0° $\mathcal{L}$	
max. Earth dist.	1317 Nov 21 j 10:22	6° $\mathcal{J}$ 57'35	1.45054 AU	morning set		1318 Oct 17 j 15:25	22° $\mathcal{L}$ 59'23	
superior conj	1317 Nov 22 j 00:11	7° $\mathcal{J}$ 51'55	-1°02'47			1318 Oct 21 j 21:53	0° $\mathcal{M}$	
minimum elong	1317 Nov 21 j 16:34	7° $\mathcal{J}$ 21'57	1°01'52	desc. node		1318 Oct 29 j 23:17	13° $\mathcal{M}$ 00'33	
	1317 Dec 05 j 23:23	0° $\mathcal{Z}$		superior conj		1318 Nov 01 j 03:35	16° $\mathcal{M}$ 28'32	-0°14'30
evening rise	1317 Dec 07 j 14:57	2° $\mathcal{Z}$ 38'40		minimum elong		1318 Nov 01 j 01:44	16° $\mathcal{M}$ 21'10	0°14'15
greatest brilliancy	1317 Dec 14 j 09:10	13° $\mathcal{Z}$ 30'27	-0.9m	behind sun begin		1318 Oct 31 j 20:26	16° $\mathcal{M}$ 00'09	
	1317 Dec 25 j 07:03	0° $\approx$		behind sun end		1318 Nov 01 j 07:02	16° $\mathcal{M}$ 42'10	
evening max el	1317 Dec 28 j 22:56	4° $\approx$ 20'57	18°50'16	max. Earth dist.		1318 Nov 04 j 05:03	21° $\mathcal{M}$ 18'47	1.44969 AU
asc. node	1317 Dec 31 j 07:29	6° $\approx$ 26'36				1318 Nov 09 j 18:02	0° $\mathcal{J}$	
retrograde	1318 Jan 04 j 17:20	8° $\approx$ 09'25		evening rise		1318 Nov 17 j 14:01	12° $\mathcal{J}$ 11'51	
evening set	1318 Jan 07 j 22:22	7° $\approx$ 10'17				1318 Nov 29 j 02:56	0° $\mathcal{Z}$	
inferior conj	1318 Jan 13 j 15:06	1° $\approx$ 27'57	3°28'37	greatest brilliancy		1318 Nov 30 j 02:21	1° $\mathcal{Z}$ 28'34	-0.7m
minimum elong	1318 Jan 13 j 13:00	1° $\approx$ 34'26	3°28'17	evening max el		1318 Dec 12 j 06:11	17° $\mathcal{Z}$ 49'55	19°37'19
	1318 Jan 14 j 19:32	30° $\mathcal{R}$		asc. node		1318 Dec 18 j 04:30	21° $\mathcal{Z}$ 54'07	
min. Earth dist.	1318 Jan 15 j 08:20	29° $\mathcal{Z}$ 20'53	0.65373 AU	retrograde		1318 Dec 19 j 14:16	22° $\mathcal{Z}$ 05'05	
morning rise	1318 Jan 19 j 03:15	25° $\mathcal{Z}$ 17'54		evening set		1318 Dec 23 j 02:35	20° $\mathcal{Z}$ 52'52	
direct	1318 Jan 25 j 18:15	22° $\mathcal{Z}$ 26'02		inferior conj		1318 Dec 28 j 14:40	14° $\mathcal{Z}$ 55'48	3°01'19
	1318 Feb 07 j 18:07	0° $\approx$		minimum elong		1318 Dec 28 j 12:02	15° $\mathcal{Z}$ 04'28	3°00'41
morning max el	1318 Feb 07 j 21:29	0° $\approx$ 08'25	26°51'27	min. Earth dist.		1318 Dec 29 j 17:30	13° $\mathcal{Z}$ 27'46	0.66535 AU
desc. node	1318 Feb 08 j 01:29	0° $\approx$ 18'29		morning rise		1319 Jan 02 j 21:14	8° $\mathcal{Z}$ 43'15	
	1318 Mar 02 j 01:55	0° $\mathcal{H}$		direct		1319 Jan 09 j 00:22	5° $\mathcal{Z}$ 59'41	
morning set	1318 Mar 15 j 17:21	24° $\mathcal{H}$ 00'16						

morning max el	1319 Jan 21 j 06:35	13°  17'02	25°42'13	morning rise	1319 Dec 17 j 22:53	22°  19'26	
desc. node	1319 Jan 25 j 22:30	18°  25'13		direct	1319 Dec 23 j 11:32	19°  53'07	
	1319 Feb 03 j 19:58	0°  ≈		morning max el	1320 Jan 03 j 14:52	26°  31'42	24°18'26
	1319 Feb 22 j 19:35	0°  ✕			1320 Jan 06 j 20:02	0°  	
morning set	1319 Feb 26 j 12:51	6°  ✕40'12		desc. node	1320 Jan 12 j 19:32	7°   22'25	
max. Earth dist.	1319 Mar 02 j 07:56	13°  ✕45'36	1.35918 AU		1320 Jan 28 j 10:38	0°  ≈	
				morning set	1320 Feb 08 j 11:54	18°  ≈15'33	
superior conj	1319 Mar 07 j 22:17	24°  ✕43'37	-1°17'45	max. Earth dist.	1320 Feb 12 j 04:45	24°  ≈49'09	1.37885 AU
minimum elong	1319 Mar 08 j 02:00	25°  ✕02'12	1°17'10		1320 Feb 15 j 00:46	0°  ✕	
	1319 Mar 10 j 12:48	0°  					
evening rise	1319 Mar 15 j 22:26	11°   03'28		superior conj	1320 Feb 19 j 04:18	7°  ✕49'36	-1°40'57
asc. node	1319 Mar 16 j 03:50	11°   03'57		minimum elong	1320 Feb 19 j 08:26	8°  ✕09'30	1°40'30
	1319 Mar 26 j 01:49	0°  ✕		evening rise	1320 Feb 27 j 22:09	25°  ✕00'20	
evening max el	1319 Apr 02 j 18:41	9°  ✕59'12	20°02'57		1320 Mar 01 j 11:19	0°  	
retrograde	1319 Apr 13 j 02:13	14°  ✕57'30		asc. node	1320 Mar 02 j 00:53	1°   05'32	
evening set	1319 Apr 15 j 03:24	14°  ✕46'36		evening max el	1320 Mar 15 j 13:52	21°   56'23	19°04'56
desc. node	1319 Apr 23 j 21:42	10°  ✕53'50		retrograde	1320 Mar 24 j 06:18	26°   08'29	
inferior conj	1319 Apr 24 j 02:04	10°  ✕47'17	-0°03'09	evening set	1320 Mar 26 j 10:46	25°   53'38	
minimum elong	1319 Apr 24 j 01:55	10°  ✕47'30	0°03'06	inferior conj	1320 Apr 03 j 14:47	21°   40'32	1°41'38
transit middle	1319 Apr 24 j 01:55	10°  ✕47'30	0°03'06	minimum elong	1320 Apr 03 j 18:24	21°   34'17	1°40'30
transit begin	1319 Apr 23 j 22:00	10°  ✕53'24		min. Earth dist.	1320 Apr 06 j 15:58	19°   35'07	0.56688 AU
transit end	1319 Apr 24 j 05:50	10°  ✕41'36		desc. node	1320 Apr 09 j 18:44	17°   42'38	
min. Earth dist.	1319 Apr 26 j 00:39	9°  ✕37'23	0.55378 AU	morning rise	1320 Apr 11 j 23:02	16°   42'34	
morning rise	1319 May 02 j 22:28	6°  ✕22'59		direct	1320 Apr 17 j 00:33	15°   42'29	
direct	1319 May 06 j 22:37	5°  ✕47'47		morning max el	1320 May 01 j 06:41	23°   02'54	25°35'43
morning max el	1319 May 20 j 16:10	12°  ✕34'55	23°58'25		1320 May 07 j 11:48	0°  ✕	
	1319 Jun 02 j 23:12	0°  			1320 May 25 j 14:51	0°  	
asc. node	1319 Jun 12 j 03:05	17°   05'27		morning set	1320 May 28 j 13:50	6°   06'33	
morning set	1319 Jun 14 j 02:06	21°   09'56		asc. node	1320 May 29 j 00:09	7°   01'08	
	1319 Jun 18 j 05:01	0°  					
				superior conj	1320 Jun 04 j 13:21	21°   14'16	1°04'18
superior conj	1319 Jun 21 j 02:45	6°   01'40	1°22'16	minimum elong	1320 Jun 04 j 11:02	21°   01'37	1°03'53
minimum elong	1319 Jun 21 j 00:20	6°   04'35	1°21'56	max. Earth dist.	1320 Jun 05 j 11:40	23°   16'17	1.32583 AU
max. Earth dist.	1319 Jun 23 j 02:56	10°   03'63	1.33292 AU		1320 Jun 08 j 14:14	0°  	
evening rise	1319 Jun 28 j 12:41	21°   05'12		evening rise	1320 Jun 11 j 15:06	6°   03'40	
	1319 Jul 02 j 16:31	0°  			1320 Jun 24 j 05:39	0°  	
desc. node	1319 Jul 20 j 21:01	29°   04'15		desc. node	1320 Jul 06 j 18:02	18°   04'13	
	1319 Jul 21 j 02:18	0°  		evening max el	1320 Jul 13 j 09:32	25°   03'39	27°14'49
evening max el	1319 Aug 01 j 01:46	12°   09'51	27°25'20		1320 Jul 19 j 00:21	0°  	
retrograde	1319 Aug 14 j 16:51	20°   08'01		retrograde	1320 Jul 27 j 05:38	2°   04'09	
evening set	1319 Aug 21 j 20:59	17°   08'27		evening set	1320 Aug 03 j 09:14	0°  	
min. Earth dist.	1319 Aug 25 j 12:40	14°   04'51	0.63730 AU		1320 Aug 03 j 23:26	30°  	
inferior conj	1319 Aug 28 j 02:06	11°   03'19	-3°23'02	min. Earth dist.	1320 Aug 06 j 23:37	27°   03'18	0.61906 AU
minimum elong	1319 Aug 28 j 07:03	11°   04'35	3°21'32	inferior conj	1320 Aug 10 j 00:40	24°   05'18	-4°10'47
morning rise	1319 Sep 03 j 18:14	6°   04'02		minimum elong	1320 Aug 10 j 05:40	24°   03'51	4°09'42
direct	1319 Sep 06 j 07:14	5°   04'15		morning rise	1320 Aug 17 j 03:36	19°   05'54	
asc. node	1319 Sep 08 j 02:16	6°   02'21		direct	1320 Aug 19 j 14:22	19°   02'50	
morning max el	1319 Sep 12 j 20:38	9°   02'02	17°53'48	asc. node	1320 Aug 24 j 23:21	21°   03'11	
	1319 Sep 26 j 17:54	0°  		morning max el	1320 Aug 26 j 11:39	22°   05'15	17°55'06
morning set	1319 Sep 29 j 14:57	4°  			1320 Sep 01 j 01:30	0°  	
				morning set	1320 Sep 11 j 10:46	17°   05'07	
superior conj	1319 Oct 12 j 01:55	26°   03'01	0°31'44		1320 Sep 18 j 03:44	0°  	
minimum elong	1319 Oct 12 j 05:12	26°   06'31	0°31'17				
	1319 Oct 14 j 11:59	0°  		superior conj	1320 Sep 22 j 03:32	6°   05'43	1°07'39
desc. node	1319 Oct 16 j 20:18	3°  		minimum elong	1320 Sep 22 j 08:15	7°  	1°07'05
max. Earth dist.	1319 Oct 17 j 22:37	5°  	1.44172 AU	max. Earth dist.	1320 Sep 29 j 12:22	19°   02'09	1.42761 AU
evening rise	1319 Oct 27 j 23:02	21°  		desc. node	1320 Oct 02 j 17:20	24°  	
	1319 Nov 02 j 16:39	0°  		evening rise	1320 Oct 06 j 10:30	0°  	
	1319 Nov 24 j 02:33	0°  			1320 Oct 06 j 03:17	0°  	
evening max el	1319 Nov 25 j 08:17	1°  	20°38'48		1320 Oct 26 j 07:17	0°  	
retrograde	1319 Dec 03 j 12:02	6°  		evening max el	1320 Nov 07 j 04:40	14°  	21°51'18
asc. node	1319 Dec 05 j 01:33	5°  		retrograde	1320 Nov 16 j 08:46	20°  	
evening set	1319 Dec 07 j 09:27	4°  		evening set	1320 Nov 20 j 17:11	18°  	
	1319 Dec 11 j 16:59	30°  		asc. node	1320 Nov 20 j 22:36	18°  	
inferior conj	1319 Dec 12 j 18:52	28°  	2°24'53	inferior conj	1320 Nov 26 j 01:35	12°  	1°41'19
minimum elong	1319 Dec 12 j 16:15	28°  	2°24'04	minimum elong	1320 Nov 25 j 23:29	12°  	

morning rise	1320 Dec 01 j 05:39	6° $\text{𐌵}$ 04'19		min. Earth dist.	1321 Nov 10 j 00:40	26° $\text{𐌛}$ 33'18	0.67761 AU
direct	1320 Dec 06 j 03:06	3° $\text{𐌵}$ 59'54		morning rise	1321 Nov 15 j 15:20	19° $\text{𐌛}$ 55'55	
morning max el	1320 Dec 16 j 00:44	9° $\text{𐌵}$ 51'58	22°50'06	direct	1321 Nov 19 j 22:11	18° $\text{𐌛}$ 14'19	
desc. node	1320 Dec 29 j 16:35	26° $\text{𐌵}$ 55'51		morning max el	1321 Nov 28 j 15:32	23° $\text{𐌛}$ 20'20	21°25'55
	1320 Dec 31 j 20:30	0° $\text{𐌵}$			1321 Dec 04 j 09:52	0° $\text{𐌵}$	
morning set	1321 Jan 19 j 08:18	28° $\text{𐌵}$ 31'09		desc. node	1321 Dec 16 j 13:37	16° $\text{𐌵}$ 55'17	
	1321 Jan 20 j 05:45	0° $\text{𐌵}$			1321 Dec 25 j 05:44	0° $\text{𐌵}$	
max. Earth dist.	1321 Jan 24 j 00:25	6° $\text{𐌵}$ 22'46	1.40025 AU	morning set	1321 Dec 29 j 23:49	7° $\text{𐌵}$ 25'16	
				max. Earth dist.	1322 Jan 06 j 01:08	18° $\text{𐌵}$ 48'00	1.42054 AU
superior conj	1321 Jan 31 j 18:30	20° $\text{𐌵}$ 06'13	-1°57'46		1322 Jan 12 j 16:52	0° $\text{𐌵}$	
minimum elong	1321 Jan 31 j 21:36	20° $\text{𐌵}$ 20'20	1°57'37				
	1321 Feb 06 j 02:16	0° $\text{𐌵}$		superior conj	1322 Jan 13 j 11:42	1° $\text{𐌵}$ 21'08	-2°04'00
evening rise	1321 Feb 10 j 12:38	8° $\text{𐌵}$ 25'20		minimum elong	1322 Jan 13 j 11:26	1° $\text{𐌵}$ 19'58	2°04'00
asc. node	1321 Feb 16 j 21:56	20° $\text{𐌵}$ 18'07		evening rise	1322 Jan 24 j 14:14	21° $\text{𐌵}$ 10'03	
	1321 Feb 22 j 23:20	0° $\text{𐌵}$			1322 Jan 29 j 11:24	0° $\text{𐌵}$	
evening max el	1321 Feb 26 j 17:52	4° $\text{𐌵}$ 27'14	18°27'04	asc. node	1322 Feb 03 j 18:58	9° $\text{𐌵}$ 01'25	
retrograde	1321 Mar 06 j 05:28	8° $\text{𐌵}$ 08'28		evening max el	1322 Feb 10 j 03:35	17° $\text{𐌵}$ 23'18	18°09'11
evening set	1321 Mar 08 j 15:31	7° $\text{𐌵}$ 46'31		retrograde	1322 Feb 16 j 21:54	20° $\text{𐌵}$ 49'33	
inferior conj	1321 Mar 16 j 00:35	3° $\text{𐌵}$ 13'42	2°53'47	evening set	1322 Feb 19 j 13:16	20° $\text{𐌵}$ 18'33	
minimum elong	1321 Mar 16 j 04:28	3° $\text{𐌵}$ 05'51	2°52'56	inferior conj	1322 Feb 26 j 06:32	15° $\text{𐌵}$ 25'00	3°32'57
min. Earth dist.	1321 Mar 19 j 11:02	0° $\text{𐌵}$ 28'27	0.58578 AU	minimum elong	1322 Feb 26 j 08:40	15° $\text{𐌵}$ 19'58	3°32'42
	1321 Mar 20 j 02:10	30° $\text{𐌵}$		min. Earth dist.	1322 Mar 01 j 12:30	12° $\text{𐌵}$ 23'38	0.60700 AU
morning rise	1321 Mar 23 j 14:40	27° $\text{𐌵}$ 45'34		morning rise	1322 Mar 05 j 02:11	9° $\text{𐌵}$ 36'31	
desc. node	1321 Mar 27 j 15:47	26° $\text{𐌵}$ 20'44		direct	1322 Mar 11 j 19:35	7° $\text{𐌵}$ 24'42	
direct	1321 Mar 29 j 16:06	26° $\text{𐌵}$ 10'10		desc. node	1322 Mar 14 j 12:49	7° $\text{𐌵}$ 44'59	
	1321 Apr 08 j 13:14	0° $\text{𐌵}$		morning max el	1322 Mar 26 j 01:33	15° $\text{𐌵}$ 16'33	27°38'59
morning max el	1321 Apr 13 j 01:01	3° $\text{𐌵}$ 50'55	26°53'16		1322 Apr 07 j 00:50	0° $\text{𐌵}$	
	1321 May 02 j 01:53	0° $\text{𐌵}$			1322 Apr 24 j 12:17	0° $\text{𐌵}$	
morning set	1321 May 12 j 23:53	20° $\text{𐌵}$ 57'03		morning set	1322 Apr 27 j 06:30	5° $\text{𐌵}$ 35'18	
asc. node	1321 May 15 j 21:12	27° $\text{𐌵}$ 06'03		asc. node	1322 May 02 j 18:15	17° $\text{𐌵}$ 15'48	
	1321 May 17 j 05:15	0° $\text{𐌵}$		max. Earth dist.	1322 May 03 j 11:41	18° $\text{𐌵}$ 50'49	1.32306 AU
superior conj	1321 May 20 j 01:07	6° $\text{𐌵}$ 12'15	0°42'48	superior conj	1322 May 04 j 12:22	21° $\text{𐌵}$ 05'50	0°18'29
minimum elong	1321 May 19 j 23:21	6° $\text{𐌵}$ 02'35	0°42'26	minimum elong	1322 May 04 j 11:32	21° $\text{𐌵}$ 01'16	0°18'19
max. Earth dist.	1321 May 19 j 23:50	6° $\text{𐌵}$ 05'13	1.32256 AU		1322 May 08 j 13:58	0° $\text{𐌵}$	
evening rise	1321 May 26 j 22:45	21° $\text{𐌵}$ 09'47		evening rise	1322 May 11 j 09:28	6° $\text{𐌵}$ 02'36	
	1321 May 31 j 06:47	0° $\text{𐌵}$			1322 May 24 j 00:32	0° $\text{𐌵}$	
	1321 Jun 18 j 18:14	0° $\text{𐌵}$		evening max el	1322 Jun 07 j 05:39	18° $\text{𐌵}$ 37'45	25°18'04
desc. node	1321 Jun 23 j 15:05	5° $\text{𐌵}$ 37'19		desc. node	1322 Jun 10 j 12:05	21° $\text{𐌵}$ 27'12	
evening max el	1321 Jun 25 j 11:07	7° $\text{𐌵}$ 27'06	26°31'06	retrograde	1322 Jun 21 j 06:07	25° $\text{𐌵}$ 46'06	
retrograde	1321 Jul 09 j 10:39	14° $\text{𐌵}$ 40'16		evening set	1322 Jun 26 j 20:26	24° $\text{𐌵}$ 33'17	
evening set	1321 Jul 16 j 02:22	12° $\text{𐌵}$ 48'35		min. Earth dist.	1322 Jul 01 j 17:31	21° $\text{𐌵}$ 49'30	0.57846 AU
min. Earth dist.	1321 Jul 20 j 00:21	10° $\text{𐌵}$ 12'10	0.59869 AU	inferior conj	1322 Jul 04 j 20:40	19° $\text{𐌵}$ 40'07	-4°53'00
inferior conj	1321 Jul 23 j 07:58	7° $\text{𐌵}$ 34'15	-4°44'25	minimum elong	1322 Jul 04 j 19:37	19° $\text{𐌵}$ 41'56	4°52'58
minimum elong	1321 Jul 23 j 11:09	7° $\text{𐌵}$ 27'55	4°44'06	morning rise	1322 Jul 12 j 21:24	15° $\text{𐌵}$ 25'30	
morning rise	1321 Jul 30 j 21:58	2° $\text{𐌵}$ 57'24		direct	1322 Jul 15 j 10:34	15° $\text{𐌵}$ 05'54	
direct	1321 Aug 02 j 08:56	2° $\text{𐌵}$ 35'28		morning max el	1322 Jul 24 j 02:06	19° $\text{𐌵}$ 09'44	18°57'10
morning max el	1321 Aug 09 j 22:31	6° $\text{𐌵}$ 15'35	18°15'51	asc. node	1322 Jul 29 j 17:27	26° $\text{𐌵}$ 01'58	
asc. node	1321 Aug 11 j 20:24	8° $\text{𐌵}$ 18'04			1322 Aug 01 j 06:03	0° $\text{𐌵}$	
	1321 Aug 25 j 00:59	0° $\text{𐌵}$		morning set	1322 Aug 09 j 17:40	15° $\text{𐌵}$ 44'16	
morning set	1321 Aug 25 j 21:06	1° $\text{𐌵}$ 35'14			1322 Aug 17 j 00:00	0° $\text{𐌵}$	
superior conj	1321 Sep 04 j 06:07	19° $\text{𐌵}$ 08'06	1°31'09	superior conj	1322 Aug 18 j 04:06	2° $\text{𐌵}$ 15'06	1°43'19
minimum elong	1321 Sep 04 j 09:42	19° $\text{𐌵}$ 24'21	1°30'50	minimum elong	1322 Aug 18 j 05:43	2° $\text{𐌵}$ 22'48	1°43'15
	1321 Sep 10 j 09:11	0° $\text{𐌵}$		max. Earth dist.	1322 Aug 24 j 23:48	14° $\text{𐌵}$ 54'10	1.38878 AU
max. Earth dist.	1321 Sep 11 j 20:15	2° $\text{𐌵}$ 30'22	1.40913 AU	evening rise	1322 Aug 28 j 20:59	21° $\text{𐌵}$ 43'23	
evening rise	1321 Sep 16 j 15:39	10° $\text{𐌵}$ 32'01			1322 Sep 02 j 19:21	0° $\text{𐌵}$	
desc. node	1321 Sep 19 j 14:23	15° $\text{𐌵}$ 17'53		desc. node	1322 Sep 06 j 11:25	5° $\text{𐌵}$ 53'49	
	1321 Sep 29 j 03:33	0° $\text{𐌵}$			1322 Sep 23 j 03:00	0° $\text{𐌵}$	
evening max el	1321 Oct 20 j 20:05	28° $\text{𐌵}$ 21'55	23°10'18	evening max el	1322 Oct 03 j 08:38	11° $\text{𐌵}$ 57'39	24°29'48
	1321 Oct 22 j 13:05	0° $\text{𐌵}$		retrograde	1322 Oct 14 j 17:30	18° $\text{𐌵}$ 36'25	
retrograde	1321 Oct 31 j 02:59	4° $\text{𐌵}$ 27'53		evening set	1322 Oct 20 j 04:34	16° $\text{𐌵}$ 18'55	
evening set	1321 Nov 05 j 00:06	2° $\text{𐌵}$ 27'15		min. Earth dist.	1322 Oct 24 j 20:28	10° $\text{𐌵}$ 58'27	0.67489 AU
	1321 Nov 07 j 09:29	30° $\text{𐌵}$		inferior conj	1322 Oct 25 j 15:12	9° $\text{𐌵}$ 55'48	-0°01'16
asc. node	1321 Nov 07 j 19:38	29° $\text{𐌵}$ 29'04		minimum elong	1322 Oct 25 j 15:13	9° $\text{𐌵}$ 55'43	0°01'16
inferior conj	1321 Nov 10 j 08:57	26° $\text{𐌵}$ 04'48	0°52'11	transit middle	1322 Oct 25 j 15:13	9° $\text{𐌵}$ 55'43	0°01'16
minimum elong	1321 Nov 10 j 07:45	26° $\text{𐌵}$ 08'55	0°51'41	transit begin	1322 Oct 25 j 12:29	10° $\text{𐌵}$ 04'52	

transit end	1322 Oct 25 j 17:57	9°♌46'34		retrograde	1323 Sep 28 j 03:20	2°♌38'34	
asc. node	1322 Oct 25 j 16:40	9°♌50'54		evening set	1323 Oct 04 j 04:50	0°♌06'22	
morning rise	1322 Oct 31 j 01:56	3°♌52'27			1323 Oct 04 j 07:48	30°♌	
direct	1322 Nov 03 j 19:46	2°♌32'03		min. Earth dist.	1323 Oct 08 j 12:58	25°♌21'20	0.66889 AU
morning max el	1322 Nov 11 j 13:38	6°♌58'53	20°12'07	inferior conj	1323 Oct 09 j 18:35	23°♌47'00	-0°57'37
	1322 Nov 28 j 15:56	0°♌		minimum elong	1323 Oct 09 j 20:04	23°♌42'16	0°56'59
desc. node	1322 Dec 03 j 10:39	7°♌13'19		asc. node	1323 Oct 12 j 13:41	20°♌24'40	
morning set	1322 Dec 08 j 20:51	15°♌32'54		morning rise	1323 Oct 15 j 11:33	17°♌51'59	
	1322 Dec 18 j 01:56	0°♌		direct	1323 Oct 18 j 18:20	16°♌49'49	
max. Earth dist.	1322 Dec 19 j 09:25	2°♌05'45	1.43708 AU	morning max el	1323 Oct 25 j 19:20	20°♌47'15	19°12'24
					1323 Nov 02 j 03:37	0°♌	
superior conj	1322 Dec 25 j 03:11	11°♌24'26	-1°54'43	morning set	1323 Nov 17 j 23:56	24°♌07'31	
minimum elong	1322 Dec 24 j 21:42	11°♌01'53	1°54'24	desc. node	1323 Nov 20 j 07:41	27°♌44'46	
	1323 Jan 05 j 03:45	0°♌			1323 Nov 21 j 18:21	0°♌	
evening rise	1323 Jan 06 j 22:39	3°♌05'31		max. Earth dist.	1323 Dec 02 j 00:31	16°♌04'40	1.44770 AU
asc. node	1323 Jan 21 j 15:59	27°♌05'47					
	1323 Jan 24 j 02:08	0°♌		superior conj	1323 Dec 04 j 17:30	20°♌21'40	-1°26'39
evening max el	1323 Jan 24 j 15:54	0°♌35'40	18°10'39	minimum elong	1323 Dec 04 j 08:50	19°♌47'15	1°25'48
retrograde	1323 Jan 31 j 03:18	4°♌00'57			1323 Dec 10 j 18:18	0°♌	
evening set	1323 Feb 02 j 23:40	3°♌19'43		evening rise	1323 Dec 19 j 09:49	14°♌05'49	
	1323 Feb 07 j 08:37	30°♌			1323 Dec 29 j 02:30	0°♌	
inferior conj	1323 Feb 09 j 04:51	28°♌05'57	3°45'45	evening max el	1324 Jan 08 j 04:06	13°♌58'14	18°30'41
minimum elong	1323 Feb 09 j 04:56	28°♌05'43	3°45'45	asc. node	1324 Jan 08 j 13:00	14°♌20'23	
min. Earth dist.	1323 Feb 11 j 22:21	25°♌12'46	0.62756 AU	retrograde	1324 Jan 14 j 17:32	17°♌34'52	
morning rise	1323 Feb 15 j 09:10	22°♌05'35		evening set	1324 Jan 17 j 19:13	16°♌42'26	
direct	1323 Feb 22 j 08:26	19°♌26'48		inferior conj	1324 Jan 23 j 15:40	11°♌09'50	3°39'06
desc. node	1323 Mar 01 j 09:50	21°♌44'10		minimum elong	1324 Jan 23 j 14:11	11°♌14'14	3°38'57
morning max el	1323 Mar 08 j 07:24	27°♌21'45	27°47'39	min. Earth dist.	1324 Jan 25 j 17:43	8°♌42'59	0.64532 AU
	1323 Mar 10 j 19:40	0°♌		morning rise	1324 Jan 29 j 08:38	5°♌02'38	
	1323 Mar 31 j 16:53	0°♌		direct	1324 Feb 05 j 04:39	2°♌11'30	
morning set	1323 Apr 11 j 07:27	19°♌52'50		desc. node	1324 Feb 16 j 06:53	7°♌44'41	
	1323 Apr 16 j 04:28	0°♌		morning max el	1324 Feb 18 j 16:26	10°♌00'45	27°20'42
max. Earth dist.	1323 Apr 16 j 19:11	1°♌18'26	1.32750 AU		1324 Mar 05 j 09:50	0°♌	
					1324 Mar 23 j 02:12	0°♌	
superior conj	1323 Apr 18 j 21:19	5°♌48'05	-0°07'55	morning set	1324 Mar 24 j 24:00	3°♌41'16	
minimum elong	1323 Apr 18 j 21:42	5°♌50'09	0°07'49	max. Earth dist.	1324 Mar 29 j 18:38	13°♌17'31	1.33627 AU
behind sun begin	1323 Apr 18 j 17:08	5°♌25'26					
behind sun end	1323 Apr 19 j 02:16	6°♌14'52		superior conj	1324 Apr 02 j 02:07	20°♌13'05	-0°35'24
asc. node	1323 Apr 19 j 15:17	7°♌25'21		minimum elong	1324 Apr 02 j 03:53	20°♌22'22	0°35'02
evening rise	1323 Apr 25 j 21:15	20°♌54'25		asc. node	1324 Apr 05 j 12:19	27°♌30'47	
	1323 Apr 30 j 07:33	0°♌			1324 Apr 06 j 16:16	0°♌	
evening max el	1323 May 19 j 19:54	29°♌15'39	23°46'26	evening rise	1324 Apr 09 j 08:21	5°♌39'19	
	1323 May 20 j 14:46	0°♌			1324 Apr 22 j 13:47	0°♌	
desc. node	1323 May 28 j 09:05	5°♌07'40		evening max el	1324 Apr 30 j 12:17	9°♌48'11	22°10'59
retrograde	1323 Jun 02 j 13:20	6°♌08'32		retrograde	1324 May 13 j 08:02	16°♌07'25	
evening set	1323 Jun 06 j 16:46	5°♌30'44		desc. node	1324 May 14 j 06:07	16°♌05'30	
min. Earth dist.	1323 Jun 13 j 06:35	2°♌24'23	0.56149 AU	evening set	1324 May 16 j 03:51	15°♌49'45	
inferior conj	1323 Jun 15 j 13:10	1°♌01'39	-4°22'49	min. Earth dist.	1324 May 24 j 18:23	12°♌08'41	0.55120 AU
minimum elong	1323 Jun 15 j 07:06	1°♌10'54	4°21'46	inferior conj	1324 May 25 j 12:53	11°♌42'41	-3°05'20
	1323 Jun 17 j 06:19	30°♌		minimum elong	1324 May 25 j 05:22	11°♌53'15	3°03'07
morning rise	1323 Jun 24 j 00:07	27°♌03'58		morning rise	1324 Jun 03 j 08:35	7°♌49'41	
direct	1323 Jun 26 j 17:07	26°♌45'20		direct	1324 Jun 06 j 07:58	7°♌29'49	
	1323 Jul 05 j 03:08	0°♌		morning max el	1324 Jun 18 j 01:39	12°♌58'48	21°22'26
morning max el	1323 Jul 06 j 19:35	1°♌26'11	19°59'46		1324 Jun 30 j 12:16	0°♌	
asc. node	1323 Jul 16 j 14:30	14°♌31'30		asc. node	1324 Jul 02 j 11:33	3°♌35'27	
morning set	1323 Jul 24 j 21:19	0°♌15'05		morning set	1324 Jul 08 j 05:36	15°♌00'40	
	1323 Jul 24 j 18:20	0°♌			1324 Jul 15 j 09:29	0°♌	
superior conj	1323 Aug 01 j 16:14	16°♌04'57	1°46'07	superior conj	1324 Jul 15 j 14:19	0°♌25'07	1°41'25
minimum elong	1323 Aug 01 j 16:01	16°♌03'52	1°46'08	minimum elong	1324 Jul 15 j 12:47	0°♌17'11	1°41'20
max. Earth dist.	1323 Aug 07 j 04:28	26°♌50'07	1.36911 AU	max. Earth dist.	1324 Jul 19 j 15:48	8°♌42'42	1.35207 AU
	1323 Aug 08 j 20:54	0°♌		evening rise	1324 Jul 23 j 23:42	17°♌09'54	
evening rise	1323 Aug 11 j 01:10	4°♌00'01			1324 Jul 31 j 01:25	0°♌	
desc. node	1323 Aug 24 j 08:25	26°♌17'34		desc. node	1324 Aug 10 j 05:26	16°♌22'46	
	1323 Aug 26 j 18:52	0°♌			1324 Aug 20 j 02:41	0°♌	
evening max el	1323 Sep 15 j 20:32	25°♌36'58	25°42'30	evening max el	1324 Aug 28 j 08:42	9°♌13'42	26°40'39
	1323 Sep 21 j 01:52	0°♌		retrograde	1324 Sep 10 j 07:56	16°♌27'49	



evening set	1324 Sep 16 j 22:49	13° $\Omega$ 45'37		evening set	1325 Aug 31 j 08:02	27° $\Pi$ 12'57	
min. Earth dist.	1324 Sep 20 j 23:39	9° $\Omega$ 37'26	0.65947 AU	min. Earth dist.	1325 Sep 04 j 02:21	23° $\Pi$ 40'53	0.64646 AU
inferior conj	1324 Sep 22 j 17:07	7° $\Omega$ 34'11	-1°55'17	inferior conj	1325 Sep 06 j 08:35	21° $\Pi$ 13'23	-2°52'00
minimum elong	1324 Sep 22 j 20:09	7° $\Omega$ 25'10	1°54'05	minimum elong	1325 Sep 06 j 12:59	21° $\Pi$ 01'22	2°50'29
asc. node	1324 Sep 28 j 10:44	2° $\Omega$ 00'58		morning rise	1325 Sep 12 j 18:52	15° $\Pi$ 44'33	
morning rise	1324 Sep 28 j 18:01	1° $\Omega$ 50'40		direct	1325 Sep 15 j 10:23	15° $\Pi$ 08'04	
direct	1324 Oct 01 j 16:00	1° $\Omega$ 03'08		asc. node	1325 Sep 15 j 07:48	15° $\Pi$ 08'08	
morning max el	1324 Oct 08 j 07:06	4° $\Omega$ 41'10	18°28'30	morning max el	1325 Sep 21 j 22:28	18° $\Pi$ 35'50	18°01'25
	1324 Oct 25 j 16:29	0° $\Pi$			1325 Sep 30 j 08:08	0° $\Omega$	
morning set	1324 Oct 28 j 04:10	4° $\Pi$ 00'09		morning set	1325 Oct 09 j 13:12	15° $\Omega$ 17'24	
desc. node	1324 Nov 06 j 04:42	18° $\Pi$ 24'43			1325 Oct 18 j 09:40	0° $\Pi$	
superior conj	1324 Nov 12 j 18:34	28° $\Pi$ 47'24	-0°42'49	superior conj	1325 Oct 23 j 04:11	7° $\Pi$ 43'41	0°06'02
minimum elong	1324 Nov 12 j 13:02	28° $\Pi$ 25'40	0°42'05	minimum elong	1325 Oct 23 j 04:54	7° $\Pi$ 46'34	0°05'56
	1324 Nov 13 j 13:02	0° $\Sigma$		behind sun begin	1325 Oct 22 j 19:03	7° $\Pi$ 07'00	
max. Earth dist.	1324 Nov 13 j 19:21	0° $\Sigma$ 24'49	1.45116 AU	behind sun end	1325 Oct 23 j 14:45	8° $\Pi$ 26'05	
evening rise	1324 Nov 28 j 21:26	24° $\Sigma$ 08'18		desc. node	1325 Oct 24 j 01:44	9° $\Pi$ 10'04	
	1324 Dec 02 j 14:27	0° $\Sigma$		max. Earth dist.	1325 Oct 27 j 14:09	14° $\Pi$ 45'48	1.44719 AU
greatest brilliancy	1324 Dec 08 j 13:44	9° $\Sigma$ 23'22	-0.8m		1325 Nov 06 j 08:04	0° $\Sigma$	
evening max el	1324 Dec 21 j 13:42	27° $\Sigma$ 25'14	19°08'20	evening rise	1325 Nov 08 j 12:58	3° $\Sigma$ 24'23	
	1324 Dec 24 j 13:38	0° $\approx$		greatest brilliancy	1325 Nov 22 j 13:57	24° $\Sigma$ 45'01	-0.6m
asc. node	1324 Dec 25 j 10:02	0° $\approx$ 31'02			1325 Nov 26 j 04:40	0° $\Sigma$	
retrograde	1324 Dec 28 j 12:57	1° $\approx$ 23'51		evening max el	1325 Dec 04 j 18:48	10° $\Sigma$ 53'55	20°01'49
evening set	1324 Dec 31 j 20:59	0° $\approx$ 19'08		retrograde	1325 Dec 12 j 10:39	15° $\Sigma$ 23'08	
	1325 Jan 01 j 08:09	30° $\Sigma$		asc. node	1325 Dec 12 j 07:05	15° $\Sigma$ 23'00	
inferior conj	1325 Jan 06 j 11:27	24° $\Sigma$ 29'59	3°18'16	evening set	1325 Dec 16 j 02:35	14° $\Sigma$ 04'44	
minimum elong	1325 Jan 06 j 09:03	24° $\Sigma$ 37'38	3°17'48	inferior conj	1325 Dec 21 j 13:18	8° $\Sigma$ 01'57	2°46'49
min. Earth dist.	1325 Jan 07 j 22:16	22° $\Sigma$ 39'26	0.65920 AU	minimum elong	1325 Dec 21 j 10:36	8° $\Sigma$ 10'56	2°46'05
morning rise	1325 Jan 11 j 20:50	18° $\Sigma$ 18'45		min. Earth dist.	1325 Dec 22 j 10:23	6° $\Sigma$ 51'21	0.66907 AU
direct	1325 Jan 18 j 07:11	15° $\Sigma$ 29'25		morning rise	1325 Dec 26 j 18:26	1° $\Sigma$ 48'45	
morning max el	1325 Jan 31 j 02:12	23° $\Sigma$ 02'13	26°24'27		1325 Dec 29 j 08:14	30° $\Sigma$	
desc. node	1325 Feb 02 j 03:55	25° $\Sigma$ 12'41		direct	1326 Jan 01 j 15:26	29° $\Sigma$ 11'55	
	1325 Feb 06 j 06:42	0° $\approx$			1326 Jan 05 j 05:03	0° $\Sigma$	
	1325 Feb 26 j 17:16	0° $\Sigma$		morning max el	1326 Jan 13 j 11:06	6° $\Sigma$ 14'40	25°07'44
morning set	1325 Mar 08 j 04:33	16° $\Sigma$ 49'58		desc. node	1326 Jan 20 j 00:57	13° $\Sigma$ 42'47	
max. Earth dist.	1325 Mar 12 j 07:10	24° $\Sigma$ 44'09	1.34954 AU		1326 Jan 31 j 21:31	0° $\approx$	
	1325 Mar 14 j 22:33	0° $\Upsilon$		morning set	1326 Feb 18 j 16:09	29° $\approx$ 04'27	
superior conj	1325 Mar 17 j 00:30	4° $\Upsilon$ 14'10	-1°02'44		1326 Feb 19 j 04:31	0° $\Sigma$	
minimum elong	1325 Mar 17 j 03:35	4° $\Upsilon$ 30'01	1°02'11	max. Earth dist.	1326 Feb 22 j 08:23	5° $\Sigma$ 47'27	1.36714 AU
asc. node	1325 Mar 23 j 09:22	17° $\Upsilon$ 28'13		superior conj	1326 Feb 28 j 13:30	17° $\Sigma$ 42'48	-1°28'09
evening rise	1325 Mar 24 j 16:51	20° $\Upsilon$ 11'15		minimum elong	1326 Feb 28 j 17:32	18° $\Sigma$ 02'38	1°27'37
	1325 Mar 29 j 14:31	0° $\Sigma$			1326 Mar 06 j 16:29	0° $\Upsilon$	
evening max el	1325 Apr 12 j 13:30	20° $\Sigma$ 44'36	20°44'58	evening rise	1326 Mar 08 j 20:32	4° $\Upsilon$ 22'55	
retrograde	1325 Apr 23 j 21:11	26° $\Sigma$ 14'18		asc. node	1326 Mar 10 j 06:25	7° $\Upsilon$ 12'34	
evening set	1325 Apr 26 j 00:30	26° $\Sigma$ 03'19			1326 Mar 23 j 22:17	0° $\Sigma$	
desc. node	1325 May 01 j 03:08	24° $\Sigma$ 19'49		evening max el	1326 Mar 26 j 02:21	2° $\Sigma$ 19'13	19°35'51
inferior conj	1325 May 05 j 06:49	22° $\Sigma$ 05'29	-1°12'10	retrograde	1326 Apr 04 j 16:44	6° $\Sigma$ 56'49	
minimum elong	1325 May 05 j 03:24	22° $\Sigma$ 10'23	1°10'56	evening set	1326 Apr 06 j 18:21	6° $\Sigma$ 44'52	
min. Earth dist.	1325 May 06 j 07:00	21° $\Sigma$ 30'55	0.54999 AU	inferior conj	1326 Apr 15 j 09:30	2° $\Sigma$ 40'49	0°44'39
morning rise	1325 May 14 j 05:45	17° $\Sigma$ 57'52		minimum elong	1326 Apr 15 j 11:23	2° $\Sigma$ 37'49	0°43'59
direct	1325 May 17 j 17:52	17° $\Sigma$ 31'25		min. Earth dist.	1326 Apr 17 j 21:26	1° $\Sigma$ 05'59	0.55833 AU
morning max el	1325 May 30 j 21:57	23° $\Sigma$ 51'59	22°59'54	desc. node	1326 Apr 18 j 00:10	1° $\Sigma$ 01'45	
	1325 Jun 05 j 10:42	0° $\Pi$			1326 Apr 19 j 17:55	30° $\Sigma$	
asc. node	1325 Jun 19 j 08:37	23° $\Pi$ 05'07		morning rise	1326 Apr 24 j 01:46	28° $\Upsilon$ 02'08	
morning set	1325 Jun 22 j 16:36	29° $\Pi$ 55'18		direct	1326 Apr 28 j 12:01	27° $\Upsilon$ 18'05	
	1325 Jun 22 j 17:30	0° $\Theta$			1326 May 07 j 00:19	0° $\Sigma$	
superior conj	1325 Jun 29 j 19:12	15° $\Theta$ 06'12	1°30'43	morning max el	1326 May 12 j 12:58	4° $\Sigma$ 21'51	24°41'22
minimum elong	1325 Jun 29 j 16:57	14° $\Theta$ 54'10	1°30'28		1326 May 30 j 16:44	0° $\Pi$	
max. Earth dist.	1325 Jul 02 j 12:20	20° $\Theta$ 50'42	1.33870 AU	asc. node	1326 Jun 06 j 05:41	12° $\Pi$ 52'38	
	1325 Jul 06 j 23:46	0° $\Omega$		morning set	1326 Jun 07 j 04:30	14° $\Pi$ 52'19	
evening rise	1325 Jul 07 j 12:02	1° $\Omega$ 00'51		superior conj	1326 Jun 14 j 04:19	29° $\Pi$ 58'54	1°15'08
	1325 Jul 24 j 00:36	0° $\Pi$		minimum elong	1326 Jun 14 j 01:53	29° $\Pi$ 45'41	1°14'46
desc. node	1325 Jul 28 j 02:28	6° $\Pi$ 01'24			1326 Jun 14 j 04:31	0° $\Theta$	
evening max el	1325 Aug 10 j 20:33	22° $\Pi$ 38'20	27°16'51	max. Earth dist.	1326 Jun 15 j 17:07	3° $\Theta$ 18'25	1.32935 AU
retrograde	1325 Aug 24 j 07:00	29° $\Pi$ 57'03		evening rise	1326 Jun 21 j 10:12	15° $\Theta$ 20'22	

	1326 Jun 29 j 00:34	0°♈			1327 Jun 22 j 03:45	0°♈	
desc. node	1326 Jul 14 j 23:30	25°♈01'18		desc. node	1327 Jul 01 j 20:32	13°♈06'22	
	1326 Jul 18 j 23:27	0°♍		evening max el	1327 Jul 06 j 11:48	18°♈00'37	27°00'17
evening max el	1326 Jul 24 j 06:21	5°♍37'57	27°24'50	retrograde	1327 Jul 20 j 09:57	25°♈15'24	
retrograde	1326 Aug 07 j 00:05	12°♍56'03		evening set	1327 Jul 27 j 09:48	23°♈04'57	
evening set	1326 Aug 14 j 05:07	10°♍21'56		min. Earth dist.	1327 Jul 31 j 02:01	20°♈23'52	0.61048 AU
min. Earth dist.	1326 Aug 17 j 19:22	7°♍20'52	0.62987 AU	inferior conj	1327 Aug 03 j 06:40	17°♈39'00	-4°27'22
inferior conj	1326 Aug 20 j 14:11	4°♍37'39	-3°44'30	minimum elong	1327 Aug 03 j 11:11	17°♈29'15	4°26'37
minimum elong	1326 Aug 20 j 19:20	4°♍25'03	3°43'07	morning rise	1327 Aug 10 j 14:18	12°♈48'47	
	1326 Aug 26 j 06:10	30°♋♈		direct	1327 Aug 13 j 00:43	12°♈24'57	
morning rise	1326 Aug 27 j 10:53	29°♈26'44		morning max el	1327 Aug 20 j 04:03	15°♈57'24	18°01'27
direct	1326 Aug 29 j 22:31	28°♈57'57		asc. node	1327 Aug 20 j 01:55	15°♈52'15	
asc. node	1326 Sep 02 j 04:52	29°♈48'45			1327 Aug 29 j 23:23	0°♍	
	1326 Sep 02 j 13:10	0°♍		morning set	1327 Sep 05 j 00:43	10°♍59'52	
morning max el	1326 Sep 05 j 14:29	2°♍23'50	17°52'04				
morning set	1326 Sep 21 j 22:08	27°♍43'23		superior conj	1327 Sep 15 j 02:44	29°♍20'40	1°19'06
	1326 Sep 23 j 05:06	0°♊		minimum elong	1327 Sep 15 j 07:09	29°♍40'12	1°18'38
					1327 Sep 15 j 11:39	0°♊	
superior conj	1326 Oct 03 j 13:59	17°♊52'43	0°48'27	max. Earth dist.	1327 Sep 22 j 16:50	12°♊21'11	1.42013 AU
minimum elong	1326 Oct 03 j 18:19	18°♊10'50	0°47'52	desc. node	1327 Sep 27 j 19:50	20°♊43'23	
max. Earth dist.	1326 Oct 10 j 05:52	28°♊49'24	1.43636 AU	evening rise	1327 Sep 28 j 14:20	21°♊57'22	
desc. node	1326 Oct 10 j 22:48	29°♊57'31			1327 Oct 03 j 17:29	0°♌	
	1326 Oct 10 j 23:25	0°♌			1327 Oct 24 j 16:50	0°♌	
evening rise	1326 Oct 18 j 20:49	12°♌26'07		evening max el	1327 Oct 31 j 12:35	7°♌54'59	22°24'31
	1326 Oct 30 j 11:22	0°♌		retrograde	1327 Nov 10 j 04:02	13°♌38'55	
evening max el	1326 Nov 17 j 18:24	24°♌23'45	21°08'30	evening set	1327 Nov 14 j 17:35	11°♌48'27	
retrograde	1326 Nov 26 j 08:17	29°♌29'17		asc. node	1327 Nov 16 j 01:09	10°♌34'58	
asc. node	1326 Nov 29 j 04:07	28°♌44'38		inferior conj	1327 Nov 20 j 02:02	5°♌28'32	1°21'07
evening set	1326 Nov 30 j 10:02	27°♌55'38		minimum elong	1327 Nov 20 j 00:17	5°♌34'37	1°20'25
inferior conj	1326 Dec 05 j 18:50	21°♌42'29	2°07'12	min. Earth dist.	1327 Nov 19 j 23:53	5°♌35'57	0.67771 AU
minimum elong	1326 Dec 05 j 16:24	21°♌50'54	2°06'22		1327 Nov 24 j 12:02	30°♌♌	
min. Earth dist.	1326 Dec 06 j 03:46	21°♌11'45	0.67515 AU	morning rise	1327 Nov 25 j 06:49	29°♌17'28	
morning rise	1326 Dec 10 j 22:34	15°♌29'18		direct	1327 Nov 29 j 22:01	27°♌22'32	
direct	1326 Dec 16 j 04:42	13°♌11'52			1327 Dec 06 j 01:26	0°♌	
morning max el	1326 Dec 26 j 19:41	19°♌31'51	23°40'46	morning max el	1327 Dec 09 j 07:03	2°♌54'22	22°13'16
	1327 Jan 04 j 16:45	0°♎		desc. node	1327 Dec 24 j 19:01	22°♌42'37	
desc. node	1327 Jan 06 j 22:00	2°♎57'06			1327 Dec 29 j 18:38	0°♎	
	1327 Jan 25 j 01:49	0°♏		morning set	1328 Jan 11 j 12:24	19°♎47'05	
morning set	1327 Jan 31 j 04:37	10°♏08'01		max. Earth dist.	1328 Jan 17 j 00:18	28°♎51'11	1.40925 AU
max. Earth dist.	1327 Feb 04 j 03:17	16°♏57'57	1.38785 AU		1328 Jan 17 j 16:37	0°♏	
	1327 Feb 11 j 07:09	0°♐					
				superior conj	1328 Jan 24 j 19:20	12°♏21'24	-2°02'01
superior conj	1327 Feb 11 j 13:25	0°♐29'24	-1°49'06	minimum elong	1328 Jan 24 j 21:19	12°♏30'12	2°01'56
minimum elong	1327 Feb 11 j 17:20	0°♐47'53	1°48'46		1328 Feb 03 j 10:01	0°♐	
evening rise	1327 Feb 20 j 16:45	18°♐07'09		evening rise	1328 Feb 04 j 02:10	1°♐15'32	
asc. node	1327 Feb 25 j 03:28	26°♐38'35		asc. node	1328 Feb 12 j 00:29	15°♐39'21	
	1327 Feb 26 j 23:24	0°♑		evening max el	1328 Feb 20 j 08:36	27°♐14'43	18°17'03
evening max el	1327 Mar 09 j 01:44	14°♑32'04	18°46'25		1328 Feb 24 j 03:08	0°♑	
retrograde	1327 Mar 17 j 04:30	18°♑28'46		retrograde	1328 Feb 27 j 11:12	0°♑47'15	
evening set	1327 Mar 19 j 11:15	18°♑11'16		evening set	1328 Feb 29 j 23:46	0°♑21'28	
inferior conj	1327 Mar 27 j 07:00	13°♑50'34	2°16'30		1328 Mar 01 j 21:51	30°♑♐	
minimum elong	1327 Mar 27 j 11:06	13°♑42'59	2°15'21	inferior conj	1328 Mar 08 j 01:39	25°♐39'53	3°14'05
min. Earth dist.	1327 Mar 30 j 14:22	11°♑25'19	0.57440 AU	minimum elong	1328 Mar 08 j 04:55	25°♐32'49	3°13'30
morning rise	1327 Apr 04 j 07:52	8°♑38'34		min. Earth dist.	1328 Mar 11 j 11:37	22°♐44'45	0.59481 AU
desc. node	1327 Apr 04 j 21:12	8°♑24'31		morning rise	1328 Mar 15 j 07:43	20°♐02'13	
direct	1327 Apr 09 j 20:21	7°♑23'56		direct	1328 Mar 21 j 17:24	18°♐10'40	
morning max el	1327 Apr 24 j 04:32	14°♑55'06	26°11'52	desc. node	1328 Mar 21 j 18:13	18°♐10'40	
	1327 May 06 j 06:43	0°♒		morning max el	1328 Apr 05 j 01:08	25°♐56'27	27°17'02
morning set	1327 May 22 j 15:41	29°♒46'23			1328 Apr 08 j 20:15	0°♑	
	1327 May 22 j 18:17	0°♒			1328 Apr 28 j 15:39	0°♒	
asc. node	1327 May 24 j 02:45	2°♒52'27		morning set	1328 May 06 j 00:29	14°♒31'54	
				asc. node	1328 May 09 j 23:48	22°♒59'40	
superior conj	1327 May 29 j 15:37	14°♒56'31	0°55'34	max. Earth dist.	1328 May 12 j 16:02	28°♒50'50	1.32232 AU
minimum elong	1327 May 29 j 13:29	14°♒44'50	0°55'10				
max. Earth dist.	1327 May 30 j 03:32	16°♒01'57	1.32395 AU	superior conj	1328 May 13 j 03:20	29°♒52'59	0°32'47
evening rise	1327 Jun 05 j 15:06	29°♒59'04		minimum elong	1328 May 13 j 01:56	29°♒45'15	0°32'29
	1327 Jun 05 j 15:17	0°♓			1328 May 13 j 04:37	0°♒	

evening rise	1328 May 20 j 00:18	14° $\Pi$ 48'49		minimum elong	1329 Apr 27 j 13:27	14° $\mathcal{B}$ 40'09	0°07'26
	1328 May 27 j 15:27	0° $\mathfrak{D}$		behind sun begin	1329 Apr 27 j 08:55	14° $\mathcal{B}$ 15'23	
evening max el	1328 Jun 17 j 10:36	29° $\mathfrak{D}$ 37'54	26°03'16	behind sun end	1329 Apr 27 j 18:00	15° $\mathcal{B}$ 04'57	
desc. node	1328 Jun 17 j 17:32	29° $\mathfrak{D}$ 54'17		evening rise	1329 May 04 j 11:42	29° $\mathcal{B}$ 41'55	
	1328 Jun 17 j 19:58	0° $\Omega$			1329 May 04 j 15:07	0° $\Pi$	
retrograde	1328 Jul 01 j 10:53	6° $\Omega$ 48'47			1329 May 21 j 07:38	0° $\mathfrak{D}$	
evening set	1328 Jul 07 j 17:25	5° $\Omega$ 13'29		evening max el	1329 May 30 j 02:39	10° $\mathfrak{D}$ 31'27	24°40'30
min. Earth dist.	1328 Jul 11 j 23:14	2° $\Omega$ 36'05	0.58988 AU	desc. node	1329 Jun 04 j 14:32	14° $\mathfrak{D}$ 53'42	
inferior conj	1328 Jul 15 j 06:28	0° $\Omega$ 08'11	-4°51'58	retrograde	1329 Jun 13 j 01:05	17° $\mathfrak{D}$ 34'54	
minimum elong	1328 Jul 15 j 08:08	0° $\Omega$ 05'04	4°51'53	evening set	1329 Jun 18 j 01:28	16° $\mathfrak{D}$ 38'02	
	1328 Jul 15 j 10:49	30° $\mathcal{R}\mathfrak{D}$		min. Earth dist.	1329 Jun 23 j 13:50	13° $\mathfrak{D}$ 46'31	0.57062 AU
morning rise	1328 Jul 23 j 01:01	25° $\mathfrak{D}$ 40'41		inferior conj	1329 Jun 26 j 10:31	11° $\mathfrak{D}$ 55'08	-4°45'44
direct	1328 Jul 25 j 12:50	25° $\mathfrak{D}$ 19'47		minimum elong	1329 Jun 26 j 07:14	12° $\mathfrak{D}$ 00'31	4°45'26
morning max el	1328 Aug 02 j 12:07	29° $\mathfrak{D}$ 08'30	18°30'50	morning rise	1329 Jul 04 j 15:43	7° $\mathfrak{D}$ 49'02	
	1328 Aug 03 j 08:44	0° $\Omega$		direct	1329 Jul 07 j 06:32	7° $\mathfrak{D}$ 29'54	
asc. node	1328 Aug 05 j 22:59	3° $\Omega$ 03'57		morning max el	1329 Jul 16 j 11:39	11° $\mathfrak{D}$ 47'21	19°21'18
morning set	1328 Aug 18 j 15:53	24° $\Omega$ 53'21		asc. node	1329 Jul 23 j 20:02	21° $\mathfrak{D}$ 08'31	
	1328 Aug 21 j 07:26	0° $\mathfrak{M}$			1329 Jul 28 j 22:11	0° $\Omega$	
				morning set	1329 Aug 02 j 15:48	9° $\Omega$ 12'34	
superior conj	1328 Aug 27 j 14:15	11° $\mathfrak{M}$ 56'29	1°37'35	superior conj	1329 Aug 10 j 18:51	25° $\Omega$ 23'26	1°45'33
minimum elong	1328 Aug 27 j 17:01	12° $\mathfrak{M}$ 09'21	1°37'23	minimum elong	1329 Aug 10 j 19:38	25° $\Omega$ 27'16	1°45'31
max. Earth dist.	1328 Sep 03 j 22:59	25° $\mathfrak{M}$ 12'03	1.40056 AU		1329 Aug 13 j 04:07	0° $\mathfrak{M}$	
	1328 Sep 06 j 18:04	0° $\mathfrak{L}$		max. Earth dist.	1329 Aug 17 j 02:33	7° $\mathfrak{M}$ 22'21	1.38016 AU
evening rise	1328 Sep 08 j 05:37	2° $\mathfrak{L}$ 29'29		evening rise	1329 Aug 20 j 21:03	14° $\mathfrak{M}$ 09'06	
desc. node	1328 Sep 13 j 16:52	11° $\mathfrak{L}$ 24'23			1329 Aug 30 j 08:32	0° $\mathfrak{L}$	
	1328 Sep 26 j 00:50	0° $\mathfrak{M}$		desc. node	1329 Aug 31 j 13:53	1° $\mathfrak{L}$ 55'41	
evening max el	1328 Oct 13 j 02:40	21° $\mathfrak{M}$ 29'13	23°44'28		1329 Sep 20 j 20:58	0° $\mathfrak{M}$	
retrograde	1328 Oct 23 j 20:38	27° $\mathfrak{M}$ 49'22		evening max el	1329 Sep 25 j 14:37	5° $\mathfrak{M}$ 06'10	25°01'55
evening set	1328 Oct 28 j 23:40	25° $\mathfrak{M}$ 41'25		retrograde	1329 Oct 07 j 09:12	11° $\mathfrak{M}$ 55'52	
asc. node	1328 Nov 01 j 22:10	21° $\mathfrak{M}$ 16'35		evening set	1329 Oct 13 j 02:34	9° $\mathfrak{M}$ 31'25	
inferior conj	1328 Nov 03 j 09:08	19° $\mathfrak{M}$ 18'26	0°30'00	min. Earth dist.	1329 Oct 17 j 15:00	4° $\mathfrak{M}$ 26'05	0.67278 AU
minimum elong	1328 Nov 03 j 08:25	19° $\mathfrak{M}$ 20'52	0°29'41	inferior conj	1329 Oct 18 j 14:22	3° $\mathfrak{M}$ 09'24	-0°24'53
min. Earth dist.	1328 Nov 02 j 20:26	20° $\mathfrak{M}$ 01'41	0.67692 AU	minimum elong	1329 Oct 18 j 14:59	3° $\mathfrak{M}$ 07'21	0°24'38
morning rise	1328 Nov 08 j 17:08	13° $\mathfrak{M}$ 11'46		asc. node	1329 Oct 19 j 19:12	1° $\mathfrak{M}$ 35'53	
direct	1328 Nov 12 j 18:21	11° $\mathfrak{M}$ 39'21			1329 Oct 21 j 02:42	30° $\mathcal{R}\mathfrak{L}$	
morning max el	1328 Nov 21 j 00:44	16° $\mathfrak{M}$ 26'59	20°53'00	morning rise	1329 Oct 24 j 03:33	27° $\mathfrak{L}$ 09'32	
	1328 Dec 01 j 20:15	0° $\mathcal{X}$		direct	1329 Oct 27 j 16:25	25° $\mathfrak{L}$ 57'26	
desc. node	1328 Dec 10 j 16:04	12° $\mathcal{X}$ 50'57			1329 Nov 03 j 22:09	0° $\mathfrak{M}$	
morning set	1328 Dec 20 j 17:46	28° $\mathcal{X}$ 14'16		morning max el	1329 Nov 04 j 02:16	0° $\mathfrak{M}$ 10'18	19°44'56
	1328 Dec 21 j 20:48	0° $\mathfrak{Z}$		greatest brilliancy	1329 Nov 17 j 12:18	18° $\mathfrak{M}$ 00'00	-0.7m
max. Earth dist.	1328 Dec 29 j 04:45	11° $\mathfrak{Z}$ 42'00	1.42830 AU		1329 Nov 25 j 10:18	0° $\mathcal{X}$	
superior conj	1329 Jan 05 j 02:03	23° $\mathfrak{Z}$ 06'48	-2°02'14	desc. node	1329 Nov 27 j 13:08	3° $\mathcal{X}$ 15'17	
minimum elong	1329 Jan 04 j 23:39	22° $\mathfrak{Z}$ 56'43	2°02'10	morning set	1329 Nov 29 j 14:15	6° $\mathcal{X}$ 24'48	
	1329 Jan 09 j 02:41	0° $\approx$		max. Earth dist.	1329 Dec 11 j 16:31	25° $\mathcal{X}$ 20'31	1.44240 AU
evening rise	1329 Jan 16 j 21:00	13° $\approx$ 40'27			1329 Dec 14 j 14:31	0° $\mathfrak{Z}$	
	1329 Jan 26 j 06:00	0° $\mathfrak{H}$		superior conj	1329 Dec 16 j 06:12	2° $\mathfrak{Z}$ 39'43	-1°45'07
asc. node	1329 Jan 28 j 21:30	4° $\mathfrak{H}$ 07'09		minimum elong	1329 Dec 15 j 22:46	2° $\mathfrak{Z}$ 09'41	1°44'34
evening max el	1329 Feb 02 j 19:45	10° $\mathfrak{H}$ 18'26	18°07'23	evening rise	1329 Dec 29 j 20:54	25° $\mathfrak{Z}$ 13'46	
retrograde	1329 Feb 09 j 09:50	13° $\mathfrak{H}$ 42'38			1330 Jan 01 j 16:21	0° $\approx$	
evening set	1329 Feb 12 j 03:24	13° $\mathfrak{H}$ 07'17		asc. node	1330 Jan 15 j 18:30	21° $\approx$ 52'11	
inferior conj	1329 Feb 18 j 15:03	8° $\mathfrak{H}$ 04'37	3°41'09	evening max el	1330 Jan 17 j 08:18	23° $\approx$ 35'58	18°16'53
minimum elong	1329 Feb 18 j 16:17	8° $\mathfrak{H}$ 01'31	3°41'04	retrograde	1330 Jan 23 j 19:40	27° $\approx$ 05'04	
min. Earth dist.	1329 Feb 21 j 16:12	5° $\mathfrak{H}$ 04'22	0.61606 AU	evening set	1330 Jan 26 j 18:09	26° $\approx$ 19'16	
morning rise	1329 Feb 25 j 03:44	2° $\mathfrak{H}$ 10'20		inferior conj	1330 Feb 01 j 19:14	20° $\approx$ 57'04	3°44'57
	1329 Mar 01 j 20:36	30° $\mathcal{R}\approx$		minimum elong	1330 Feb 01 j 18:34	20° $\approx$ 58'55	3°44'55
direct	1329 Mar 04 j 00:47	29° $\approx$ 45'49		min. Earth dist.	1330 Feb 04 j 06:13	18° $\approx$ 13'21	0.63550 AU
	1329 Mar 06 j 06:19	0° $\mathfrak{H}$		morning rise	1330 Feb 07 j 18:11	14° $\approx$ 53'02	
desc. node	1329 Mar 08 j 15:14	0° $\mathfrak{H}$ 44'09		direct	1330 Feb 14 j 16:49	12° $\approx$ 07'21	
morning max el	1329 Mar 18 j 04:10	7° $\mathfrak{H}$ 39'03	27°47'17	desc. node	1330 Feb 23 j 12:16	15° $\approx$ 39'53	
	1329 Apr 04 j 05:18	0° $\mathfrak{Y}$		morning max el	1330 Feb 28 j 12:02	20° $\approx$ 01'33	27°40'19
morning set	1329 Apr 20 j 04:57	29° $\mathfrak{Y}$ 02'01			1330 Mar 09 j 01:34	0° $\mathfrak{H}$	
	1329 Apr 20 j 16:15	0° $\mathcal{B}$			1330 Mar 28 j 04:54	0° $\mathfrak{Y}$	
max. Earth dist.	1329 Apr 26 j 02:42	11° $\mathcal{B}$ 31'09	1.32448 AU	morning set	1330 Apr 04 j 02:47	13° $\mathfrak{Y}$ 09'15	
asc. node	1329 Apr 26 j 20:49	13° $\mathcal{B}$ 09'31		max. Earth dist.	1330 Apr 09 j 07:27	23° $\mathfrak{Y}$ 49'18	1.33069 AU
superior conj	1329 Apr 27 j 13:48	14° $\mathcal{B}$ 42'04	0°07'30				

superior conj	1330 Apr 11 j 21:16	29° $\Upsilon$ 18'13	-0°19'29	superior conj	1331 Mar 26 j 23:40	13° $\Upsilon$ 34'10	-0°47'05
minimum elong	1330 Apr 11 j 22:13	29° $\Upsilon$ 23'20	0°19'17	minimum elong	1331 Mar 27 j 02:00	13° $\Upsilon$ 46'25	0°46'38
	1330 Apr 12 j 05:03	0° $\text{B}$		asc. node	1331 Mar 31 j 14:53	23° $\Upsilon$ 20'43	
asc. node	1330 Apr 13 j 17:51	3° $\text{B}$ 18'08		evening rise	1331 Apr 03 j 09:42	29° $\Upsilon$ 12'10	
evening rise	1330 Apr 18 j 23:28	14° $\text{B}$ 32'03			1331 Apr 03 j 18:54	0° $\text{B}$	
	1330 Apr 26 j 18:34	0° $\text{II}$			1331 Apr 21 j 20:16	0° $\text{II}$	
evening max el	1330 May 11 j 16:42	21° $\text{II}$ 02'49	23°05'21	evening max el	1331 Apr 23 j 12:15	1° $\text{II}$ 42'58	21°32'40
desc. node	1330 May 22 j 11:31	27° $\text{II}$ 28'39		retrograde	1331 May 05 j 18:24	7° $\text{II}$ 42'24	
retrograde	1330 May 25 j 03:09	27° $\text{II}$ 44'41		evening set	1331 May 08 j 04:44	7° $\text{II}$ 29'01	
evening set	1330 May 28 j 15:48	27° $\text{II}$ 17'23		desc. node	1331 May 09 j 08:32	7° $\text{II}$ 13'40	
min. Earth dist.	1330 Jun 05 j 02:03	23° $\text{II}$ 57'42	0.55610 AU	inferior conj	1331 May 17 j 14:37	3° $\text{II}$ 28'02	-2°20'06
inferior conj	1330 Jun 06 j 19:03	22° $\text{II}$ 58'00	-3°55'39	minimum elong	1331 May 17 j 08:18	3° $\text{II}$ 36'52	2°18'00
minimum elong	1330 Jun 06 j 11:40	23° $\text{II}$ 08'47	3°53'58	min. Earth dist.	1331 May 17 j 14:27	3° $\text{II}$ 28'15	0.54951 AU
morning rise	1330 Jun 15 j 10:06	19° $\text{II}$ 04'36			1331 May 24 j 18:59	30° $\text{R}$ $\text{B}$	
direct	1330 Jun 18 j 05:07	18° $\text{II}$ 46'01		morning rise	1331 May 26 j 12:36	29° $\text{B}$ 30'48	
morning max el	1330 Jun 29 j 00:28	23° $\text{II}$ 46'08	20°32'44	direct	1331 May 29 j 16:11	29° $\text{B}$ 09'06	
	1330 Jul 04 j 10:53	0° $\text{E}$			1331 Jun 03 j 09:06	0° $\text{II}$	
asc. node	1330 Jul 10 j 17:06	9° $\text{E}$ 53'53		morning max el	1331 Jun 11 j 02:03	5° $\text{II}$ 01'03	22°02'31
morning set	1330 Jul 17 j 21:41	23° $\text{E}$ 50'14		asc. node	1331 Jun 27 j 14:10	29° $\text{II}$ 09'34	
	1330 Jul 20 j 21:24	0° $\text{O}$			1331 Jun 28 j 00:34	0° $\text{E}$	
				morning set	1331 Jul 02 j 07:20	8° $\text{E}$ 40'00	
superior conj	1330 Jul 25 j 11:42	9° $\text{O}$ 27'42	1°44'57	superior conj	1331 Jul 09 j 13:02	23° $\text{E}$ 57'46	1°37'32
minimum elong	1330 Jul 25 j 10:52	9° $\text{O}$ 23'25	1°44'56	minimum elong	1331 Jul 09 j 11:08	23° $\text{E}$ 47'45	1°37'23
max. Earth dist.	1330 Jul 30 j 09:07	19° $\text{O}$ 12'04	1.36141 AU		1331 Jul 12 j 10:40	0° $\text{O}$	
evening rise	1330 Aug 03 j 09:37	26° $\text{O}$ 49'44		max. Earth dist.	1331 Jul 12 j 23:59	1° $\text{O}$ 08'10	1.34590 AU
	1330 Aug 05 j 03:10	0° $\text{P}$		evening rise	1331 Jul 17 j 14:35	10° $\text{O}$ 18'46	
desc. node	1330 Aug 18 j 10:53	22° $\text{P}$ 12'05			1331 Jul 28 j 13:48	0° $\text{P}$	
	1330 Aug 23 j 18:02	0° $\text{A}$		desc. node	1331 Aug 05 j 07:54	12° $\text{P}$ 06'59	
evening max el	1330 Sep 08 j 02:21	18° $\text{A}$ 44'11	26°09'26		1331 Aug 19 j 08:01	0° $\text{A}$	
retrograde	1330 Sep 20 j 17:03	25° $\text{A}$ 53'10		evening max el	1331 Aug 21 j 14:35	2° $\text{A}$ 17'26	26°59'15
evening set	1330 Sep 27 j 00:27	23° $\text{A}$ 15'42		retrograde	1331 Sep 03 j 19:33	9° $\text{A}$ 34'47	
min. Earth dist.	1330 Oct 01 j 05:20	18° $\text{A}$ 46'17	0.66527 AU	evening set	1331 Sep 10 j 15:06	6° $\text{A}$ 50'47	
inferior conj	1330 Oct 02 j 15:56	16° $\text{A}$ 58'56	-1°22'04	min. Earth dist.	1331 Sep 14 j 13:03	2° $\text{A}$ 57'59	0.65429 AU
minimum elong	1330 Oct 02 j 18:04	16° $\text{A}$ 52'17	1°21'10	inferior conj	1331 Sep 16 j 11:48	0° $\text{A}$ 43'41	-2°19'40
asc. node	1330 Oct 06 j 16:16	12° $\text{A}$ 30'26		minimum elong	1331 Sep 16 j 15:27	0° $\text{A}$ 33'10	2°18'16
morning rise	1330 Oct 08 j 12:05	11° $\text{A}$ 08'31			1331 Sep 17 j 03:04	30° $\text{R}$ $\text{P}$	
direct	1330 Oct 11 j 14:44	10° $\text{A}$ 13'13		morning rise	1331 Sep 22 j 16:31	25° $\text{P}$ 05'48	
morning max el	1330 Oct 18 j 10:52	14° $\text{A}$ 01'34	18°51'43	asc. node	1331 Sep 23 j 13:21	24° $\text{P}$ 43'36	
	1330 Oct 30 j 05:25	0° $\text{M}$		direct	1331 Sep 25 j 11:22	24° $\text{P}$ 23'27	
morning set	1330 Nov 09 j 02:31	15° $\text{M}$ 28'18		morning max el	1331 Oct 02 j 00:28	27° $\text{P}$ 56'27	18°14'50
desc. node	1330 Nov 14 j 10:10	23° $\text{M}$ 50'36			1331 Oct 03 j 21:17	0° $\text{A}$	
	1330 Nov 18 j 08:14	0° $\text{X}$		morning set	1331 Oct 20 j 19:21	25° $\text{A}$ 58'19	
max. Earth dist.	1330 Nov 24 j 09:04	9° $\text{X}$ 28'37	1.44999 AU		1331 Oct 23 j 06:30	0° $\text{M}$	
				desc. node	1331 Nov 01 j 07:12	14° $\text{M}$ 33'21	
superior conj	1330 Nov 25 j 12:35	11° $\text{X}$ 16'51	-1°09'30	superior conj	1331 Nov 04 j 14:41	19° $\text{M}$ 48'44	-0°21'58
minimum elong	1330 Nov 25 j 04:28	10° $\text{X}$ 44'52	1°08'33	minimum elong	1331 Nov 04 j 11:51	19° $\text{M}$ 37'30	0°21'34
	1330 Dec 07 j 07:29	0° $\text{Z}$		max. Earth dist.	1331 Nov 07 j 03:56	23° $\text{M}$ 50'15	1.45031 AU
evening rise	1330 Dec 10 j 22:04	5° $\text{Z}$ 48'48			1331 Nov 11 j 02:11	0° $\text{X}$	
	1330 Dec 26 j 05:40	0° $\approx$		evening rise	1331 Nov 21 j 00:12	15° $\text{X}$ 28'57	
evening max el	1330 Dec 31 j 19:38	7° $\approx$ 00'48	18°44'41		1331 Nov 30 j 08:27	0° $\text{Z}$	
asc. node	1331 Jan 02 j 15:32	8° $\approx$ 41'30		greatest brilliancy	1331 Dec 02 j 20:24	3° $\text{Z}$ 49'25	-0.7m
retrograde	1331 Jan 07 j 12:33	10° $\approx$ 45'53		evening max el	1331 Dec 15 j 03:36	20° $\text{Z}$ 29'23	19°29'22
evening set	1331 Jan 10 j 16:40	9° $\approx$ 48'35		asc. node	1331 Dec 20 j 12:36	24° $\text{Z}$ 20'52	
inferior conj	1331 Jan 16 j 10:16	4° $\approx$ 08'49	3°31'45	retrograde	1331 Dec 22 j 09:08	24° $\text{Z}$ 39'52	
minimum elong	1331 Jan 16 j 08:19	4° $\approx$ 14'48	3°31'29	evening set	1331 Dec 25 j 20:19	23° $\text{Z}$ 29'34	
min. Earth dist.	1331 Jan 18 j 05:49	1° $\approx$ 56'15	0.65166 AU	inferior conj	1331 Dec 31 j 08:58	17° $\text{Z}$ 34'34	3°06'04
	1331 Jan 19 j 22:22	30° $\text{R}$ $\text{Z}$		minimum elong	1331 Dec 31 j 06:22	17° $\text{Z}$ 43'02	3°05'28
morning rise	1331 Jan 21 j 23:33	27° $\text{Z}$ 59'25		min. Earth dist.	1332 Jan 01 j 13:50	16° $\text{Z}$ 00'38	0.66390 AU
direct	1331 Jan 28 j 16:04	25° $\text{Z}$ 07'10		morning rise	1332 Jan 05 j 16:10	11° $\text{Z}$ 22'23	
	1331 Feb 07 j 19:51	0° $\approx$		direct	1332 Jan 11 j 21:18	8° $\text{Z}$ 36'58	
desc. node	1331 Feb 10 j 09:20	2° $\approx$ 21'14		morning max el	1332 Jan 24 j 06:56	15° $\text{Z}$ 58'31	25°53'41
morning max el	1331 Feb 10 j 21:42	2° $\approx$ 51'56	26°59'52	desc. node	1332 Jan 28 j 06:23	20° $\text{Z}$ 18'18	
	1331 Mar 03 j 08:23	0° $\text{H}$			1332 Feb 04 j 21:37	0° $\approx$	
morning set	1331 Mar 18 j 14:47	26° $\text{H}$ 42'45			1332 Feb 24 j 05:18	0° $\text{H}$	
	1331 Mar 20 j 07:22	0° $\Upsilon$		morning set	1332 Feb 29 j 12:47	9° $\text{H}$ 30'17	
max. Earth dist.	1331 Mar 23 j 02:19	5° $\Upsilon$ 33'42	1.34133 AU				

max. Earth dist.	1332 Mar 04 j 09:29	16° $\text{H}$ 46'38	1.35658 AU		1333 Feb 15 j 11:54	0° $\text{H}$	
superior conj	1332 Mar 09 j 18:28	27° $\text{H}$ 22'52	-1°13'52	superior conj	1333 Feb 21 j 02:26	10° $\text{H}$ 35'03	-1°37'47
minimum elong	1332 Mar 09 j 22:02	27° $\text{H}$ 40'51	1°13'18	minimum elong	1333 Feb 21 j 06:35	10° $\text{H}$ 55'08	1°37'17
	1332 Mar 11 j 01:28	0° $\text{Y}$		evening rise	1333 Mar 01 j 17:17	27° $\text{H}$ 37'23	
asc. node	1332 Mar 17 j 11:55	13° $\text{Y}$ 13'09			1333 Mar 02 j 22:06	0° $\text{Y}$	
evening rise	1332 Mar 17 j 16:26	13° $\text{Y}$ 36'15		asc. node	1333 Mar 04 j 08:58	2° $\text{Y}$ 50'40	
	1332 Mar 26 j 06:14	0° $\text{B}$		evening max el	1333 Mar 18 j 12:05	24° $\text{Y}$ 47'04	19°12'20
evening max el	1332 Apr 04 j 18:29	12° $\text{B}$ 55'23	20°13'13	retrograde	1333 Mar 27 j 09:57	29° $\text{Y}$ 05'28	
retrograde	1332 Apr 15 j 08:10	18° $\text{B}$ 01'31		evening set	1333 Mar 29 j 13:34	28° $\text{Y}$ 51'30	
evening set	1332 Apr 17 j 09:35	17° $\text{B}$ 50'45		inferior conj	1333 Apr 06 j 20:29	24° $\text{Y}$ 40'50	1°27'38
desc. node	1332 Apr 25 j 05:35	14° $\text{B}$ 34'51		minimum elong	1333 Apr 06 j 23:46	24° $\text{Y}$ 35'17	1°26'34
inferior conj	1332 Apr 26 j 10:33	13° $\text{B}$ 52'19	-0°21'00	min. Earth dist.	1333 Apr 09 j 18:42	22° $\text{Y}$ 43'04	0.56442 AU
minimum elong	1332 Apr 26 j 09:35	13° $\text{B}$ 53'46	0°20'39	desc. node	1333 Apr 12 j 02:36	21° $\text{Y}$ 17'54	
min. Earth dist.	1332 Apr 28 j 03:43	12° $\text{B}$ 51'30	0.55253 AU	morning rise	1333 Apr 15 j 07:04	19° $\text{Y}$ 47'53	
morning rise	1332 May 05 j 07:57	9° $\text{B}$ 32'51		direct	1333 Apr 20 j 04:31	18° $\text{Y}$ 52'27	
direct	1332 May 09 j 04:51	9° $\text{B}$ 00'16		morning max el	1333 May 04 j 09:42	26° $\text{Y}$ 08'51	25°22'10
morning max el	1332 May 22 j 19:12	15° $\text{B}$ 40'43	23°43'17		1333 May 08 j 01:20	0° $\text{B}$	
	1332 Jun 03 j 03:08	0° $\text{II}$			1333 May 27 j 02:21	0° $\text{II}$	
asc. node	1332 Jun 13 j 11:13	18° $\text{II}$ 47'29		morning set	1333 May 31 j 06:44	8° $\text{II}$ 33'28	
morning set	1332 Jun 15 j 18:54	23° $\text{II}$ 36'07		asc. node	1333 May 31 j 08:15	8° $\text{II}$ 41'25	
	1332 Jun 18 j 18:53	0° $\text{E}$					
superior conj	1332 Jun 22 j 19:57	8° $\text{E}$ 44'23	1°24'38	superior conj	1333 Jun 07 j 06:14	23° $\text{II}$ 40'33	1°07'17
minimum elong	1332 Jun 22 j 17:34	8° $\text{E}$ 31'30	1°24'20	minimum elong	1333 Jun 07 j 03:53	23° $\text{II}$ 27'40	1°06'53
max. Earth dist.	1332 Jun 25 j 00:25	13° $\text{E}$ 25'14	1.33430 AU	max. Earth dist.	1333 Jun 08 j 08:18	26° $\text{II}$ 02'48	1.32664 AU
evening rise	1332 Jun 30 j 07:32	24° $\text{E}$ 23'15			1333 Jun 10 j 04:03	0° $\text{E}$	
	1332 Jul 03 j 03:59	0° $\text{O}$		evening rise	1333 Jun 14 j 08:56	8° $\text{E}$ 52'44	
	1332 Jul 21 j 03:00	0° $\text{P}$			1333 Jun 25 j 12:59	0° $\text{O}$	
desc. node	1332 Jul 22 j 04:56	1° $\text{P}$ 30'40		desc. node	1333 Jul 09 j 01:57	20° $\text{O}$ 10'03	
evening max el	1332 Aug 03 j 02:06	15° $\text{P}$ 33'51	27°24'08	evening max el	1333 Jul 16 j 10:24	28° $\text{O}$ 19'45	27°18'24
retrograde	1332 Aug 16 j 16:00	22° $\text{P}$ 51'59			1333 Jul 18 j 06:49	0° $\text{P}$	
evening set	1332 Aug 23 j 19:34	20° $\text{P}$ 10'55		retrograde	1333 Jul 30 j 05:49	5° $\text{P}$ 35'55	
min. Earth dist.	1332 Aug 27 j 11:52	16° $\text{P}$ 52'45	0.63978 AU	evening set	1333 Aug 06 j 10:13	3° $\text{P}$ 10'06	
inferior conj	1332 Aug 29 j 23:27	14° $\text{P}$ 17'36	-3°15'05	min. Earth dist.	1333 Aug 10 j 00:18	0° $\text{P}$ 19'28	0.62198 AU
minimum elong	1332 Aug 30 j 04:17	14° $\text{P}$ 04'58	3°13'33		1333 Aug 10 j 08:57	30° $\text{R}$ 0	
morning rise	1332 Sep 05 j 14:01	8° $\text{P}$ 55'42		inferior conj	1333 Aug 12 j 23:54	27° $\text{O}$ 33'40	-4°04'15
direct	1332 Sep 08 j 03:38	8° $\text{P}$ 22'45		minimum elong	1333 Aug 13 j 05:00	27° $\text{O}$ 21'48	4°03'06
asc. node	1332 Sep 09 j 10:26	8° $\text{P}$ 31'07		morning rise	1333 Aug 20 j 01:13	22° $\text{O}$ 31'17	
morning max el	1332 Sep 14 j 16:24	11° $\text{P}$ 48'42	17°55'12	direct	1333 Aug 22 j 12:09	22° $\text{O}$ 04'47	
	1332 Sep 27 j 02:15	0° $\text{A}$		asc. node	1333 Aug 27 j 07:28	23° $\text{O}$ 49'11	
morning set	1332 Oct 01 j 15:21	7° $\text{A}$ 47'22		morning max el	1333 Aug 29 j 07:45	25° $\text{O}$ 31'55	17°53'43
					1333 Sep 02 j 01:46	0° $\text{P}$	
superior conj	1332 Oct 14 j 09:22	29° $\text{A}$ 12'18	0°25'17	morning set	1333 Sep 14 j 08:29	20° $\text{P}$ 37'08	
minimum elong	1332 Oct 14 j 12:06	29° $\text{A}$ 23'28	0°24'54		1333 Sep 19 j 14:09	0° $\text{A}$	
	1332 Oct 14 j 21:04	0° $\text{M}$		superior conj	1333 Sep 25 j 06:54	9° $\text{A}$ 56'00	1°02'59
desc. node	1332 Oct 18 j 04:14	5° $\text{M}$ 19'49		minimum elong	1333 Sep 25 j 11:37	10° $\text{A}$ 16'07	1°02'25
max. Earth dist.	1332 Oct 19 j 22:10	8° $\text{M}$ 07'23	1.44338 AU	max. Earth dist.	1333 Oct 02 j 12:28	22° $\text{A}$ 00'58	1.43006 AU
evening rise	1332 Oct 30 j 10:27	24° $\text{M}$ 33'55		desc. node	1333 Oct 05 j 01:17	26° $\text{A}$ 07'04	
	1332 Nov 02 j 23:33	0° $\text{J}$			1333 Oct 07 j 11:41	0° $\text{M}$	
	1332 Nov 23 j 18:47	0° $\text{B}$		evening rise	1333 Oct 09 j 20:24	3° $\text{M}$ 43'09	
evening max el	1332 Nov 27 j 06:30	3° $\text{B}$ 58'41	20°28'49		1333 Oct 27 j 10:20	0° $\text{J}$	
retrograde	1332 Dec 05 j 06:57	8° $\text{B}$ 42'18		evening max el	1333 Nov 10 j 03:37	17° $\text{J}$ 28'28	21°39'55
asc. node	1332 Dec 06 j 09:40	8° $\text{B}$ 35'19		retrograde	1333 Nov 19 j 03:58	22° $\text{J}$ 50'19	
evening set	1332 Dec 09 j 02:55	7° $\text{B}$ 17'27		evening set	1333 Nov 23 j 10:36	21° $\text{J}$ 09'24	
inferior conj	1332 Dec 14 j 12:36	1° $\text{B}$ 09'56	2°30'54	asc. node	1333 Nov 23 j 06:42	21° $\text{J}$ 17'01	
minimum elong	1332 Dec 14 j 09:58	1° $\text{B}$ 18'53	2°30'05	inferior conj	1333 Nov 28 j 19:03	14° $\text{J}$ 52'44	1°48'20
min. Earth dist.	1332 Dec 15 j 04:18	0° $\text{B}$ 16'37	0.67216 AU	minimum elong	1333 Nov 28 j 16:51	15° $\text{J}$ 00'21	1°47'31
	1332 Dec 15 j 09:13	30° $\text{R}$ 0		min. Earth dist.	1333 Nov 28 j 23:04	14° $\text{J}$ 38'50	0.67668 AU
morning rise	1332 Dec 19 j 16:51	24° $\text{J}$ 56'47		morning rise	1333 Dec 03 j 22:57	8° $\text{J}$ 40'20	
direct	1332 Dec 25 j 07:42	22° $\text{J}$ 27'40		direct	1333 Dec 08 j 22:35	6° $\text{J}$ 32'34	
morning max el	1333 Jan 05 j 15:21	29° $\text{J}$ 12'37	24°31'25	morning max el	1333 Dec 19 j 00:47	12° $\text{J}$ 32'01	23°03'07
	1333 Jan 06 j 09:48	0° $\text{B}$		desc. node	1334 Jan 01 j 00:28	28° $\text{J}$ 37'18	
desc. node	1333 Jan 14 j 03:25	9° $\text{B}$ 08'40			1334 Jan 02 j 00:07	0° $\text{B}$	
	1333 Jan 28 j 17:30	0° $\text{A}$			1334 Jan 21 j 14:47	0° $\text{A}$	
morning set	1333 Feb 10 j 15:17	21° $\text{A}$ 16'12		morning set	1334 Jan 22 j 15:58	1° $\text{A}$ 44'23	
max. Earth dist.	1333 Feb 14 j 07:20	27° $\text{A}$ 49'25	1.37572 AU	max. Earth dist.	1334 Jan 27 j 02:32	9° $\text{A}$ 15'54	1.39701 AU

superior conj	1334 Feb 03 j 19:15	22° $\approx$ 59'26	-1°55'50		1335 Jan 14 j 02:40	0° $\approx$	
minimum elong	1334 Feb 03 j 22:38	23° $\approx$ 15'01	1°55'36				
	1334 Feb 07 j 13:28	0° $\text{H}$		superior conj	1335 Jan 16 j 15:55	4° $\approx$ 24'33	-2°03'57
evening rise	1334 Feb 13 j 09:19	11° $\text{H}$ 07'23		minimum elong	1335 Jan 16 j 16:19	4° $\approx$ 26'18	2°03'57
asc. node	1334 Feb 19 j 06:00	22° $\text{H}$ 06'54		evening rise	1335 Jan 27 j 13:05	23° $\approx$ 58'36	
	1334 Feb 23 j 22:32	0° $\text{Y}$			1335 Jan 30 j 20:10	0° $\text{H}$	
evening max el	1334 Mar 01 j 14:55	7° $\text{Y}$ 13'06	18°31'29	asc. node	1335 Feb 06 j 03:01	10° $\text{H}$ 55'08	
retrograde	1334 Mar 09 j 06:11	10° $\text{Y}$ 58'00		evening max el	1335 Feb 12 j 24:00	20° $\text{H}$ 05'58	18°10'36
evening set	1334 Mar 11 j 15:19	10° $\text{Y}$ 37'20		retrograde	1335 Feb 19 j 20:07	23° $\text{H}$ 33'17	
inferior conj	1334 Mar 19 j 03:04	6° $\text{Y}$ 07'46	2°45'06	evening set	1335 Feb 22 j 10:45	23° $\text{H}$ 03'42	
minimum elong	1334 Mar 19 j 07:05	5° $\text{Y}$ 59'49	2°44'08	inferior conj	1335 Mar 01 j 06:09	18° $\text{H}$ 13'22	3°28'51
min. Earth dist.	1334 Mar 22 j 13:12	3° $\text{Y}$ 26'52	0.58266 AU	minimum elong	1335 Mar 01 j 08:36	18° $\text{H}$ 07'43	3°28'32
morning rise	1334 Mar 26 j 19:58	0° $\text{Y}$ 43'23		min. Earth dist.	1335 Mar 04 j 13:31	15° $\text{H}$ 12'42	0.60385 AU
	1334 Mar 28 j 12:13	30° $\text{R}$ $\text{H}$		morning rise	1335 Mar 08 j 04:25	12° $\text{H}$ 27'23	
desc. node	1334 Mar 29 j 23:38	29° $\text{H}$ 33'20		direct	1335 Mar 14 j 20:13	10° $\text{H}$ 20'27	
direct	1334 Apr 01 j 18:10	29° $\text{H}$ 13'30		desc. node	1335 Mar 16 j 20:39	10° $\text{H}$ 31'35	
	1334 Apr 06 j 02:08	0° $\text{Y}$		morning max el	1335 Mar 29 j 02:44	18° $\text{H}$ 11'11	27°34'27
morning max el	1334 Apr 16 j 03:16	6° $\text{Y}$ 52'26	26°43'33		1335 Apr 08 j 00:21	0° $\text{Y}$	
	1334 May 03 j 08:31	0° $\text{B}$			1335 Apr 25 j 23:56	0° $\text{B}$	
morning set	1334 May 15 j 17:08	23° $\text{B}$ 25'09		morning set	1335 Apr 30 j 00:20	8° $\text{B}$ 05'04	
asc. node	1334 May 18 j 05:16	28° $\text{B}$ 45'10		asc. node	1335 May 05 j 02:19	18° $\text{B}$ 54'09	
	1334 May 18 j 19:08	0° $\text{II}$		max. Earth dist.	1335 May 06 j 08:05	21° $\text{B}$ 36'33	1.32271 AU
superior conj	1334 May 22 j 17:55	8° $\text{II}$ 38'41	0°46'16	superior conj	1335 May 07 j 05:19	23° $\text{B}$ 32'53	0°22'20
minimum elong	1334 May 22 j 16:03	8° $\text{II}$ 28'25	0°45'54	minimum elong	1335 May 07 j 04:19	23° $\text{B}$ 27'26	0°22'07
max. Earth dist.	1334 May 22 j 20:05	8° $\text{II}$ 50'35	1.32277 AU		1335 May 10 j 03:54	0° $\text{II}$	
evening rise	1334 May 29 j 15:54	23° $\text{II}$ 37'04		evening rise	1335 May 14 j 02:15	8° $\text{II}$ 28'55	
	1334 Jun 01 j 18:29	0° $\text{O}$			1335 May 25 j 06:16	0° $\text{O}$	
	1334 Jun 19 j 13:47	0° $\text{O}$		evening max el	1335 Jun 10 j 08:32	21° $\text{O}$ 40'12	25°30'32
desc. node	1334 Jun 25 j 22:57	7° $\text{O}$ 45'44		desc. node	1335 Jun 12 j 19:56	23° $\text{O}$ 51'51	
evening max el	1334 Jun 28 j 12:56	10° $\text{O}$ 22'54	26°39'37	retrograde	1335 Jun 24 j 09:16	28° $\text{O}$ 49'27	
retrograde	1334 Jul 12 j 12:15	17° $\text{O}$ 36'46		evening set	1335 Jun 30 j 04:05	27° $\text{O}$ 30'53	
evening set	1334 Jul 19 j 06:29	15° $\text{O}$ 39'47		min. Earth dist.	1335 Jul 04 j 20:40	24° $\text{O}$ 49'12	0.58133 AU
min. Earth dist.	1334 Jul 23 j 02:29	13° $\text{O}$ 02'44	0.60179 AU	inferior conj	1335 Jul 08 j 01:18	22° $\text{O}$ 34'27	-4°53'58
inferior conj	1334 Jul 26 j 09:39	10° $\text{O}$ 22'17	-4°40'41	minimum elong	1335 Jul 08 j 01:01	22° $\text{O}$ 34'57	4°53'58
minimum elong	1334 Jul 26 j 13:16	10° $\text{O}$ 14'55	4°40'15	morning rise	1335 Jul 16 j 00:26	18° $\text{O}$ 16'30	
morning rise	1334 Aug 02 j 22:02	5° $\text{O}$ 42'01		direct	1335 Jul 18 j 13:08	17° $\text{O}$ 56'37	
direct	1334 Aug 05 j 08:44	5° $\text{O}$ 19'41		morning max el	1335 Jul 27 j 00:14	21° $\text{O}$ 56'18	18°49'38
morning max el	1334 Aug 12 j 19:25	8° $\text{O}$ 57'30	18°11'27	asc. node	1335 Aug 01 j 01:32	27° $\text{O}$ 59'33	
asc. node	1334 Aug 14 j 04:29	10° $\text{O}$ 23'39			1335 Aug 02 j 09:53	0° $\text{O}$	
	1334 Aug 26 j 11:29	0° $\text{P}$		morning set	1335 Aug 12 j 12:10	18° $\text{O}$ 15'51	
morning set	1334 Aug 28 j 16:55	4° $\text{P}$ 10'36			1335 Aug 18 j 12:06	0° $\text{P}$	
superior conj	1334 Sep 07 j 06:03	21° $\text{P}$ 55'08	1°28'20	superior conj	1335 Aug 21 j 01:27	4° $\text{P}$ 54'23	1°42'07
minimum elong	1334 Sep 07 j 09:53	22° $\text{P}$ 12'25	1°27'59	minimum elong	1335 Aug 21 j 03:22	5° $\text{P}$ 03'28	1°42'01
	1334 Sep 11 j 19:31	0° $\text{A}$		max. Earth dist.	1335 Aug 28 j 00:55	17° $\text{P}$ 45'01	1.39183 AU
max. Earth dist.	1334 Sep 14 j 20:55	5° $\text{A}$ 14'48	1.41205 AU	evening rise	1335 Aug 31 j 23:53	24° $\text{P}$ 38'50	
evening rise	1334 Sep 19 j 22:13	13° $\text{A}$ 37'37			1335 Sep 04 j 04:19	0° $\text{A}$	
desc. node	1334 Sep 21 j 22:19	16° $\text{A}$ 51'25		desc. node	1335 Sep 08 j 19:18	7° $\text{A}$ 28'48	
	1334 Sep 30 j 09:50	0° $\text{M}$			1335 Sep 24 j 03:46	0° $\text{M}$	
	1334 Oct 22 j 20:14	0° $\text{J}$		evening max el	1335 Oct 06 j 08:34	14° $\text{M}$ 35'52	24°18'16
evening max el	1334 Oct 23 j 19:40	1° $\text{J}$ 00'23	22°58'22	retrograde	1335 Oct 17 j 13:42	21° $\text{M}$ 10'05	
retrograde	1334 Nov 02 j 22:40	7° $\text{J}$ 01'00		evening set	1335 Oct 22 j 22:39	18° $\text{M}$ 55'08	
evening set	1334 Nov 07 j 17:44	5° $\text{J}$ 03'04		min. Earth dist.	1335 Oct 27 j 15:50	13° $\text{M}$ 29'34	0.67551 AU
asc. node	1334 Nov 10 j 03:43	2° $\text{J}$ 34'18		inferior conj	1335 Oct 28 j 08:57	12° $\text{M}$ 31'59	0°07'04
	1334 Nov 12 j 03:27	30° $\text{R}$ $\text{M}$		minimum elong	1335 Oct 28 j 08:46	12° $\text{M}$ 32'35	0°06'59
inferior conj	1334 Nov 13 j 02:25	28° $\text{M}$ 41'05	0°59'58	transit middle	1335 Oct 28 j 08:46	12° $\text{M}$ 32'35	0°06'59
minimum elong	1334 Nov 13 j 01:04	28° $\text{M}$ 45'45	0°59'24	transit begin	1335 Oct 28 j 06:18	12° $\text{M}$ 40'53	
min. Earth dist.	1334 Nov 12 j 19:43	29° $\text{M}$ 04'11	0.67772 AU	transit end	1335 Oct 28 j 11:14	12° $\text{M}$ 24'16	
morning rise	1334 Nov 18 j 08:19	22° $\text{M}$ 31'28		asc. node	1335 Oct 28 j 00:45	12° $\text{M}$ 59'35	
direct	1334 Nov 22 j 17:17	20° $\text{M}$ 46'26		morning rise	1335 Nov 02 j 18:54	6° $\text{M}$ 27'36	
morning max el	1334 Dec 01 j 14:37	25° $\text{M}$ 59'09	21°37'52	direct	1335 Nov 06 j 14:36	5° $\text{M}$ 04'07	
	1334 Dec 05 j 05:39	0° $\text{J}$		morning max el	1335 Nov 14 j 11:29	9° $\text{M}$ 36'02	20°22'16
desc. node	1334 Dec 18 j 21:31	18° $\text{J}$ 33'43			1335 Nov 29 j 21:12	0° $\text{J}$	
	1334 Dec 26 j 12:51	0° $\text{B}$		desc. node	1335 Dec 05 j 18:33	8° $\text{J}$ 49'32	
morning set	1335 Jan 02 j 11:32	10° $\text{B}$ 49'47		morning set	1335 Dec 12 j 09:58	19° $\text{J}$ 00'17	
max. Earth dist.	1335 Jan 09 j 02:03	21° $\text{B}$ 32'24	1.41772 AU		1335 Dec 19 j 10:18	0° $\text{B}$	

max. Earth dist.	1335 Dec 22 j 09:20	4° $\text{♄}$ 43'41	1.43501 AU	morning max el	1336 Oct 27 j 16:09	23° $\text{♄}$ 23'20	19°20'18
					1336 Nov 02 j 04:03	0° $\text{♄}$	
superior conj	1335 Dec 28 j 11:26	14° $\text{♄}$ 39'12	-1°57'18	morning set	1336 Nov 20 j 10:34	27° $\text{♄}$ 26'32	
minimum elong	1335 Dec 28 j 06:45	14° $\text{♄}$ 19'47	1°57'04	desc. node	1336 Nov 21 j 15:37	29° $\text{♄}$ 19'24	
	1336 Jan 06 j 13:01	0° $\text{♄}$			1336 Nov 22 j 02:03	0° $\text{♄}$	
evening rise	1336 Jan 10 j 00:20	6° $\text{♄}$ 02'05		max. Earth dist.	1336 Dec 03 j 23:50	18° $\text{♄}$ 38'33	1.44660 AU
asc. node	1336 Jan 24 j 00:03	29° $\text{♄}$ 06'15					
	1336 Jan 24 j 16:13	0° $\text{♄}$		superior conj	1336 Dec 07 j 05:02	23° $\text{♄}$ 44'38	-1°32'05
evening max el	1336 Jan 27 j 12:09	3° $\text{♄}$ 16'42	18°09'11	minimum elong	1336 Dec 06 j 20:28	23° $\text{♄}$ 10'33	1°31'16
retrograde	1336 Feb 02 j 23:52	6° $\text{♄}$ 41'07			1336 Dec 11 j 02:49	0° $\text{♄}$	
evening set	1336 Feb 05 j 19:33	6° $\text{♄}$ 01'23		evening rise	1336 Dec 21 j 14:53	17° $\text{♄}$ 11'02	
inferior conj	1336 Feb 12 j 02:18	0° $\text{♄}$ 50'27	3°45'08		1336 Dec 29 j 08:28	0° $\text{♄}$	
minimum elong	1336 Feb 12 j 02:41	0° $\text{♄}$ 49'28	3°45'08	asc. node	1337 Jan 09 j 21:06	16° $\text{♄}$ 29'23	
	1336 Feb 12 j 21:31	30° $\text{♄}$		evening max el	1337 Jan 10 j 00:32	16° $\text{♄}$ 38'11	18°26'32
min. Earth dist.	1336 Feb 14 j 21:54	27° $\text{♄}$ 54'52	0.62472 AU	retrograde	1337 Jan 16 j 13:08	20° $\text{♄}$ 12'30	
morning rise	1336 Feb 18 j 08:41	24° $\text{♄}$ 51'34		evening set	1337 Jan 19 j 14:00	19° $\text{♄}$ 21'45	
direct	1336 Feb 25 j 07:44	22° $\text{♄}$ 16'02		inferior conj	1337 Jan 25 j 11:32	13° $\text{♄}$ 51'41	3°41'04
desc. node	1336 Mar 02 j 17:42	24° $\text{♄}$ 09'34		minimum elong	1337 Jan 25 j 10:14	13° $\text{♄}$ 55'26	3°40'58
	1336 Mar 10 j 03:36	0° $\text{♄}$		min. Earth dist.	1337 Jan 27 j 15:52	11° $\text{♄}$ 20'11	0.64292 AU
morning max el	1336 Mar 10 j 07:50	0° $\text{♄}$ 10'29	27°48'41	morning rise	1337 Jan 31 j 05:56	7° $\text{♄}$ 45'12	
	1336 Apr 01 j 00:47	0° $\text{♄}$		direct	1337 Feb 07 j 02:49	4° $\text{♄}$ 55'09	
morning set	1336 Apr 13 j 02:16	22° $\text{♄}$ 26'02		desc. node	1337 Feb 17 j 14:46	9° $\text{♄}$ 54'24	
	1336 Apr 16 j 17:59	0° $\text{♄}$		morning max el	1337 Feb 20 j 16:41	12° $\text{♄}$ 45'47	27°26'46
max. Earth dist.	1336 Apr 18 j 16:30	4° $\text{♄}$ 07'42	1.32657 AU		1337 Mar 06 j 12:47	0° $\text{♄}$	
					1337 Mar 24 j 13:23	0° $\text{♄}$	
superior conj	1336 Apr 20 j 14:45	8° $\text{♄}$ 17'12	-0°03'49	morning set	1337 Mar 27 j 20:19	6° $\text{♄}$ 19'50	
minimum elong	1336 Apr 20 j 14:55	8° $\text{♄}$ 18'10	0°03'46	max. Earth dist.	1337 Apr 01 j 17:35	16° $\text{♄}$ 12'41	1.33469 AU
behind sun begin	1336 Apr 20 j 09:52	7° $\text{♄}$ 50'47					
behind sun end	1336 Apr 20 j 19:58	8° $\text{♄}$ 45'34		superior conj	1337 Apr 04 j 20:19	22° $\text{♄}$ 45'25	-0°31'12
asc. node	1336 Apr 20 j 23:22	9° $\text{♄}$ 04'00		minimum elong	1337 Apr 04 j 21:52	22° $\text{♄}$ 53'37	0°30'53
evening rise	1336 Apr 27 j 14:01	23° $\text{♄}$ 21'26		asc. node	1337 Apr 07 j 20:25	29° $\text{♄}$ 10'31	
	1336 Apr 30 j 18:52	0° $\text{♄}$			1337 Apr 08 j 05:39	0° $\text{♄}$	
	1336 May 19 j 16:10	0° $\text{♄}$		evening rise	1337 Apr 12 j 01:23	8° $\text{♄}$ 08'12	
evening max el	1336 May 21 j 23:10	2° $\text{♄}$ 21'46	24°00'46		1337 Apr 23 j 15:24	0° $\text{♄}$	
desc. node	1336 May 29 j 16:55	7° $\text{♄}$ 54'34		evening max el	1337 May 03 j 14:40	12° $\text{♄}$ 52'52	22°24'49
retrograde	1336 Jun 04 j 18:13	9° $\text{♄}$ 17'46		retrograde	1337 May 16 j 14:41	19° $\text{♄}$ 18'40	
evening set	1336 Jun 09 j 03:11	8° $\text{♄}$ 35'30		desc. node	1337 May 16 j 13:58	19° $\text{♄}$ 18'40	
min. Earth dist.	1336 Jun 15 j 10:03	5° $\text{♄}$ 33'27	0.56363 AU	evening set	1337 May 19 j 14:28	18° $\text{♄}$ 58'57	
inferior conj	1336 Jun 17 j 20:48	4° $\text{♄}$ 02'59	-4°30'27	min. Earth dist.	1337 May 27 j 21:45	15° $\text{♄}$ 23'56	0.55216 AU
minimum elong	1336 Jun 17 j 15:22	4° $\text{♄}$ 11'24	4°29'38	inferior conj	1337 May 28 j 22:28	14° $\text{♄}$ 48'59	-3°19'56
morning rise	1336 Jun 26 j 06:15	0° $\text{♄}$ 03'26		minimum elong	1337 May 28 j 14:47	14° $\text{♄}$ 59'52	3°17'47
	1336 Jun 26 j 12:33	30° $\text{♄}$		morning rise	1337 Jun 06 j 17:05	10° $\text{♄}$ 56'40	
direct	1336 Jun 28 j 22:43	29° $\text{♄}$ 44'40		direct	1337 Jun 09 j 15:14	10° $\text{♄}$ 37'15	
	1336 Jul 01 j 07:24	0° $\text{♄}$		morning max el	1337 Jun 21 j 03:09	15° $\text{♄}$ 58'23	21°09'07
morning max el	1336 Jul 08 j 19:21	4° $\text{♄}$ 19'03	19°49'08		1337 Jul 01 j 18:41	0° $\text{♄}$	
asc. node	1336 Jul 17 j 22:36	16° $\text{♄}$ 23'19		asc. node	1337 Jul 04 j 19:40	5° $\text{♄}$ 22'41	
	1336 Jul 25 j 06:12	0° $\text{♄}$		morning set	1337 Jul 10 j 22:46	17° $\text{♄}$ 28'34	
morning set	1336 Jul 26 j 15:00	2° $\text{♄}$ 44'36			1337 Jul 16 j 22:47	0° $\text{♄}$	
superior conj	1336 Aug 03 j 11:50	18° $\text{♄}$ 39'15	1°46'14	superior conj	1337 Jul 18 j 08:42	2° $\text{♄}$ 55'52	1°42'34
minimum elong	1336 Aug 03 j 11:52	18° $\text{♄}$ 39'24	1°46'13	minimum elong	1337 Jul 18 j 07:20	2° $\text{♄}$ 48'50	1°42'29
max. Earth dist.	1336 Aug 09 j 05:21	29° $\text{♄}$ 45'17	1.37191 AU	max. Earth dist.	1337 Jul 22 j 15:26	11° $\text{♄}$ 36'55	1.35434 AU
	1336 Aug 09 j 08:29	0° $\text{♄}$		evening rise	1337 Jul 26 j 21:06	19° $\text{♄}$ 49'41	
evening rise	1336 Aug 13 j 00:59	6° $\text{♄}$ 46'52			1337 Aug 01 j 11:06	0° $\text{♄}$	
desc. node	1336 Aug 25 j 16:19	27° $\text{♄}$ 55'03		desc. node	1337 Aug 12 j 13:19	18° $\text{♄}$ 03'38	
	1336 Aug 27 j 00:48	0° $\text{♄}$			1337 Aug 21 j 00:55	0° $\text{♄}$	
evening max el	1336 Sep 17 j 20:33	28° $\text{♄}$ 15'20	25°32'21	evening max el	1337 Aug 31 j 08:35	11° $\text{♄}$ 52'49	26°33'09
	1336 Sep 19 j 17:26	0° $\text{♄}$		retrograde	1337 Sep 13 j 05:41	19° $\text{♄}$ 05'50	
retrograde	1336 Sep 30 j 00:14	5° $\text{♄}$ 13'51		evening set	1337 Sep 19 j 18:47	16° $\text{♄}$ 24'31	
evening set	1336 Oct 05 j 23:40	2° $\text{♄}$ 43'34		min. Earth dist.	1337 Sep 23 j 20:37	12° $\text{♄}$ 10'58	0.66113 AU
	1336 Oct 08 j 15:42	30° $\text{♄}$		inferior conj	1337 Sep 25 j 12:18	10° $\text{♄}$ 11'37	-1°46'33
min. Earth dist.	1336 Oct 10 j 08:56	27° $\text{♄}$ 53'15	0.67005 AU	minimum elong	1337 Sep 25 j 15:07	10° $\text{♄}$ 03'11	1°45'24
inferior conj	1336 Oct 11 j 12:53	26° $\text{♄}$ 23'28	-0°48'57	asc. node	1337 Sep 30 j 18:52	4° $\text{♄}$ 52'31	
minimum elong	1336 Oct 11 j 14:09	26° $\text{♄}$ 19'26	0°48'24	morning rise	1337 Oct 01 j 11:57	4° $\text{♄}$ 26'19	
asc. node	1336 Oct 13 j 21:48	23° $\text{♄}$ 28'00		direct	1337 Oct 04 j 11:04	3° $\text{♄}$ 36'54	
morning rise	1336 Oct 17 j 04:50	20° $\text{♄}$ 27'07		morning max el	1337 Oct 11 j 03:14	7° $\text{♄}$ 17'12	18°33'59
direct	1336 Oct 20 j 13:10	19° $\text{♄}$ 22'25			1337 Oct 26 j 23:51	0° $\text{♄}$	

morning set	1337 Oct 31 j 10:31	7°♌06'26		morning max el	1338 Sep 24 j 18:14	21°♏12'06	18°04'21
desc. node	1337 Nov 08 j 12:39	19°♌58'32			1338 Oct 01 j 12:14	0°♏	
	1337 Nov 14 j 21:18	0°♏		morning set	1338 Oct 12 j 15:28	18°♏11'50	
					1338 Oct 19 j 18:33	0°♌	
superior conj	1337 Nov 16 j 06:50	2°♏11'43	-0°50'04	desc. node	1338 Oct 26 j 09:39	10°♌43'17	
minimum elong	1337 Nov 16 j 00:27	1°♏46'41	0°49'16				
max. Earth dist.	1337 Nov 16 j 18:17	2°♏56'43	1.45110 AU	superior conj	1338 Oct 26 j 13:54	11°♌00'16	-0°01'12
evening rise	1337 Dec 02 j 06:01	27°♏22'13		minimum elong	1338 Oct 26 j 13:45	10°♌59'38	0°01'11
	1337 Dec 03 j 21:44	0°♏		behind sun begin	1338 Oct 26 j 03:06	10°♌17'07	
greatest brilliancy	1337 Dec 11 j 02:21	11°♏24'12	-0.8m	behind sun end	1338 Oct 27 j 00:23	11°♌42'05	
	1337 Dec 24 j 08:41	0°♏		max. Earth dist.	1338 Oct 30 j 13:01	17°♌17'54	1.44819 AU
evening max el	1337 Dec 24 j 10:38	0°♏05'02	19°01'41		1338 Nov 07 j 15:46	0°♏	
asc. node	1337 Dec 27 j 18:08	2°♏51'04		evening rise	1338 Nov 11 j 23:57	6°♏43'39	
retrograde	1337 Dec 31 j 08:05	4°♏00'01		greatest brilliancy	1338 Nov 25 j 14:24	27°♏29'31	-0.7m
evening set	1338 Jan 03 j 15:02	2°♏57'16			1338 Nov 27 j 07:11	0°♏	
	1338 Jan 06 j 22:01	30°♏♏		evening max el	1338 Dec 07 j 16:29	13°♏33'42	19°52'59
inferior conj	1338 Jan 09 j 06:13	27°♏10'24	3°22'11	asc. node	1338 Dec 14 j 15:11	17°♏55'59	
minimum elong	1338 Jan 09 j 03:55	27°♏17'40	3°21'46	retrograde	1338 Dec 15 j 05:34	17°♏57'59	
min. Earth dist.	1338 Jan 10 j 19:14	25°♏14'01	0.65734 AU	evening set	1338 Dec 18 j 20:10	16°♏41'49	
morning rise	1338 Jan 14 j 16:30	20°♏59'29		inferior conj	1338 Dec 24 j 07:19	10°♏40'58	2°52'12
direct	1338 Jan 21 j 04:31	18°♏09'06		minimum elong	1338 Dec 24 j 04:38	10°♏49'53	2°51'29
morning max el	1338 Feb 03 j 02:38	25°♏45'41	26°34'24	min. Earth dist.	1338 Dec 25 j 06:23	9°♏24'11	0.66784 AU
desc. node	1338 Feb 04 j 11:50	27°♏11'38		morning rise	1338 Dec 29 j 12:53	4°♏27'54	
	1338 Feb 07 j 00:25	0°♏		direct	1339 Jan 04 j 12:03	1°♏48'31	
	1338 Feb 28 j 01:15	0°♏		morning max el	1339 Jan 16 j 11:35	8°♏56'52	25°20'03
morning set	1338 Mar 11 j 03:00	19°♏36'06		desc. node	1339 Jan 22 j 08:53	15°♏33'46	
max. Earth dist.	1338 Mar 15 j 07:55	27°♏44'49	1.34728 AU		1339 Feb 02 j 01:49	0°♏	
	1338 Mar 16 j 11:03	0°♏			1339 Feb 20 j 14:46	0°♏	
				morning set	1339 Feb 21 j 17:27	1°♏59'47	
superior conj	1338 Mar 19 j 19:51	6°♏51'08	-0°58'39	max. Earth dist.	1339 Feb 25 j 10:26	8°♏49'21	1.36427 AU
minimum elong	1338 Mar 19 j 22:46	7°♏06'07	0°58'08				
asc. node	1338 Mar 25 j 17:28	19°♏09'48		superior conj	1339 Mar 03 j 10:27	20°♏25'14	-1°24'32
evening rise	1338 Mar 27 j 10:27	22°♏43'02		minimum elong	1339 Mar 03 j 14:22	20°♏44'43	1°23'58
	1338 Mar 31 j 00:40	0°♏			1339 Mar 08 j 04:38	0°♏	
evening max el	1338 Apr 15 j 14:17	23°♏44'41	20°56'46	evening rise	1339 Mar 11 j 14:58	6°♏58'03	
retrograde	1338 Apr 27 j 04:10	29°♏22'29		asc. node	1339 Mar 12 j 14:30	8°♏56'31	
evening set	1338 Apr 29 j 08:40	29°♏11'10			1339 Mar 24 j 14:16	0°♏	
desc. node	1338 May 03 j 10:59	27°♏55'38		evening max el	1339 Mar 29 j 01:26	5°♏13'41	19°44'56
inferior conj	1338 May 08 j 16:22	25°♏12'56	-1°30'27	retrograde	1339 Apr 07 j 21:45	9°♏58'20	
minimum elong	1338 May 08 j 12:06	25°♏18'59	1°28'55	evening set	1339 Apr 09 j 23:01	9°♏46'52	
min. Earth dist.	1338 May 09 j 10:21	24°♏47'26	0.54957 AU	inferior conj	1339 Apr 18 j 16:57	5°♏44'47	0°28'03
morning rise	1338 May 17 j 15:21	21°♏08'33		minimum elong	1339 Apr 18 j 18:10	5°♏42'53	0°27'37
direct	1338 May 21 j 00:50	20°♏43'41		desc. node	1339 Apr 20 j 08:02	4°♏43'50	
morning max el	1338 Jun 03 j 00:45	26°♏57'04	22°44'49	min. Earth dist.	1339 Apr 21 j 00:34	4°♏18'28	0.55659 AU
	1338 Jun 05 j 23:47	0°♏		morning rise	1339 Apr 27 j 10:50	1°♏11'09	
asc. node	1338 Jun 21 j 16:45	24°♏48'50		direct	1339 May 01 j 17:27	0°♏30'27	
	1338 Jun 24 j 06:11	0°♏		morning max el	1339 May 15 j 16:08	7°♏28'52	24°26'28
morning set	1338 Jun 25 j 09:27	2°♏21'54			1339 Jun 01 j 00:56	0°♏	
				asc. node	1339 Jun 08 j 13:47	14°♏34'00	
superior conj	1338 Jul 02 j 12:45	17°♏34'13	1°32'40	morning set	1339 Jun 09 j 21:17	17°♏18'44	
minimum elong	1338 Jul 02 j 10:34	17°♏22'38	1°32'27		1339 Jun 15 j 18:32	0°♏	
max. Earth dist.	1338 Jul 05 j 10:20	23°♏40'35	1.34042 AU				
	1338 Jul 08 j 12:25	0°♏		superior conj	1339 Jun 16 j 21:19	2°♏25'37	1°17'46
evening rise	1338 Jul 10 j 07:38	3°♏34'59		minimum elong	1339 Jun 16 j 18:53	2°♏12'23	1°17'25
	1338 Jul 25 j 06:11	0°♏		max. Earth dist.	1339 Jun 18 j 13:58	6°♏05'16	1.33051 AU
desc. node	1338 Jul 30 j 10:20	7°♏46'38		evening rise	1339 Jun 24 j 04:31	17°♏51'00	
evening max el	1338 Aug 13 j 20:28	25°♏19'30	27°13'10		1339 Jun 30 j 10:40	0°♏	
	1338 Aug 19 j 15:08	0°♏		desc. node	1339 Jul 17 j 07:21	26°♏53'17	
retrograde	1338 Aug 27 j 05:44	2°♏38'24			1339 Jul 19 j 17:02	0°♏	
evening set	1338 Sep 03 j 05:29	29°♏53'54		evening max el	1339 Jul 27 j 06:49	8°♏24'07	27°25'44
	1338 Sep 03 j 02:22	30°♏♏		retrograde	1339 Aug 09 j 23:47	15°♏42'27	
min. Earth dist.	1338 Sep 07 j 00:39	26°♏16'37	0.64856 AU	evening set	1339 Aug 17 j 04:37	13°♏06'10	
inferior conj	1338 Sep 09 j 04:58	23°♏52'10	-2°43'37	min. Earth dist.	1339 Aug 20 j 19:16	10°♏00'53	0.63248 AU
minimum elong	1338 Sep 09 j 09:12	23°♏40'29	2°42'07	inferior conj	1339 Aug 23 j 12:14	7°♏19'23	-3°37'04
morning rise	1338 Sep 15 j 13:47	18°♏21'00		minimum elong	1339 Aug 23 j 17:20	7°♏06'39	3°35'38
asc. node	1338 Sep 17 j 15:57	17°♏45'00		morning rise	1339 Aug 30 j 07:19	2°♏05'27	
direct	1338 Sep 18 j 06:02	17°♏43'10		direct	1339 Sep 01 j 19:19	1°♏35'43	



asc. node	1339 Sep 04 j 12:59	2° $\mathbb{M}$ 12'03		morning max el	1340 Aug 22 j 00:23	18° $\Omega$ 37'43	17°58'49
morning max el	1339 Sep 08 j 10:18	5° $\mathbb{M}$ 01'32	17°52'18		1340 Aug 30 j 06:12	0° $\mathbb{M}$	
morning set	1339 Sep 24 j 21:15	0° $\underline{\Omega}$ 29'04		morning set	1340 Sep 06 j 21:33	13° $\mathbb{M}$ 39'12	
	1339 Sep 24 j 14:37	0° $\underline{\Omega}$			1340 Sep 15 j 22:03	0° $\underline{\Omega}$	
superior conj	1339 Oct 06 j 19:37	20° $\underline{\Omega}$ 57'16	0°42'43	superior conj	1340 Sep 17 j 04:30	2° $\underline{\Omega}$ 13'55	1°15'16
minimum elong	1339 Oct 06 j 23:39	21° $\underline{\Omega}$ 14'02	0°42'11	minimum elong	1340 Sep 17 j 09:04	2° $\underline{\Omega}$ 33'54	1°14'45
	1339 Oct 12 j 08:08	0° $\mathbb{M}$		max. Earth dist.	1340 Sep 24 j 17:21	15° $\underline{\Omega}$ 03'44	1.42283 AU
max. Earth dist.	1339 Oct 13 j 05:23	1° $\mathbb{M}$ 25'32	1.43835 AU	desc. node	1340 Sep 29 j 03:42	22° $\underline{\Omega}$ 17'02	
desc. node	1339 Oct 13 j 06:41	1° $\mathbb{M}$ 30'46		evening rise	1340 Sep 30 j 22:58	25° $\underline{\Omega}$ 09'34	
evening rise	1339 Oct 22 j 07:52	15° $\mathbb{M}$ 45'06			1340 Oct 04 j 00:57	0° $\mathbb{M}$	
	1339 Oct 31 j 16:58	0° $\mathbb{M}$			1340 Oct 24 j 15:46	0° $\mathbb{M}$	
evening max el	1339 Nov 20 j 16:58	27° $\mathbb{M}$ 03'46	20°57'54	evening max el	1340 Nov 02 j 11:55	10° $\mathbb{M}$ 34'47	22°12'46
	1339 Nov 24 j 00:00	0° $\mathbb{M}$		retrograde	1340 Nov 11 j 23:18	16° $\mathbb{M}$ 12'49	
retrograde	1339 Nov 29 j 03:14	2° $\mathbb{M}$ 03'23		evening set	1340 Nov 16 j 11:03	14° $\mathbb{M}$ 24'49	
asc. node	1339 Dec 01 j 12:13	1° $\mathbb{M}$ 31'48		asc. node	1340 Nov 17 j 09:15	13° $\mathbb{M}$ 35'11	
evening set	1339 Dec 03 j 03:25	0° $\mathbb{M}$ 32'07		inferior conj	1340 Nov 21 j 19:27	8° $\mathbb{M}$ 05'42	1°28'28
	1339 Dec 03 j 19:00	30° $\mathbb{M}$ 32'07		minimum elong	1340 Nov 21 j 17:34	8° $\mathbb{M}$ 12'14	1°27'43
inferior conj	1339 Dec 08 j 12:24	24° $\mathbb{M}$ 20'26	2°13'41	min. Earth dist.	1340 Nov 21 j 18:53	8° $\mathbb{M}$ 07'41	0.67758 AU
minimum elong	1339 Dec 08 j 09:54	24° $\mathbb{M}$ 29'02	2°12'50	morning rise	1340 Nov 26 j 23:57	1° $\mathbb{M}$ 54'19	
min. Earth dist.	1339 Dec 08 j 23:04	23° $\mathbb{M}$ 43'48	0.67452 AU		1340 Nov 30 j 19:54	30° $\mathbb{M}$ 32'07	
morning rise	1339 Dec 13 j 16:11	18° $\mathbb{M}$ 07'11		direct	1340 Dec 01 j 17:20	29° $\mathbb{M}$ 56'00	
direct	1339 Dec 19 j 00:38	15° $\mathbb{M}$ 46'28			1340 Dec 02 j 15:15	0° $\mathbb{M}$	
morning max el	1339 Dec 29 j 19:57	22° $\mathbb{M}$ 13'05	23°53'55	morning max el	1340 Dec 11 j 06:40	5° $\mathbb{M}$ 34'41	22°26'01
	1340 Jan 05 j 14:56	0° $\mathbb{M}$		desc. node	1340 Dec 26 j 02:57	24° $\mathbb{M}$ 23'51	
desc. node	1340 Jan 09 j 05:55	4° $\mathbb{M}$ 42'21			1340 Dec 29 j 23:50	0° $\mathbb{M}$	
	1340 Jan 26 j 09:37	0° $\mathbb{M}$		morning set	1341 Jan 13 j 21:57	23° $\mathbb{M}$ 06'35	
morning set	1340 Feb 03 j 09:42	13° $\mathbb{M}$ 14'35			1341 Jan 18 j 01:53	0° $\mathbb{M}$	
max. Earth dist.	1340 Feb 07 j 05:39	19° $\mathbb{M}$ 55'50	1.38469 AU	max. Earth dist.	1341 Jan 19 j 02:07	1° $\mathbb{M}$ 42'15	1.40614 AU
	1340 Feb 12 j 18:16	0° $\mathbb{M}$					
superior conj	1340 Feb 14 j 12:32	3° $\mathbb{M}$ 18'43	-1°46'22	superior conj	1341 Jan 26 j 21:30	15° $\mathbb{M}$ 19'54	-2°00'46
minimum elong	1340 Feb 14 j 16:34	3° $\mathbb{M}$ 37'53	1°45'59	minimum elong	1341 Jan 26 j 23:55	15° $\mathbb{M}$ 30'49	2°00'40
evening rise	1340 Feb 23 j 12:25	20° $\mathbb{M}$ 46'37			1341 Feb 03 j 20:24	0° $\mathbb{M}$	
asc. node	1340 Feb 27 j 11:31	28° $\mathbb{M}$ 25'36		evening rise	1341 Feb 05 j 23:41	4° $\mathbb{M}$ 01'14	
	1340 Feb 28 j 07:39	0° $\mathbb{M}$		asc. node	1341 Feb 13 j 08:33	17° $\mathbb{M}$ 30'58	
evening max el	1340 Mar 10 j 23:23	17° $\mathbb{M}$ 21'13	18°52'30	evening max el	1341 Feb 22 j 05:19	0° $\mathbb{M}$ 00'08	18°20'09
retrograde	1340 Mar 19 j 06:40	21° $\mathbb{M}$ 22'51			1341 Feb 22 j 05:16	0° $\mathbb{M}$	
evening set	1340 Mar 21 j 12:37	21° $\mathbb{M}$ 06'20		retrograde	1341 Mar 01 j 10:49	3° $\mathbb{M}$ 35'24	
inferior conj	1340 Mar 29 j 11:15	16° $\mathbb{M}$ 48'25	2°04'48	evening set	1341 Mar 03 j 22:31	3° $\mathbb{M}$ 10'58	
minimum elong	1340 Mar 29 j 15:15	16° $\mathbb{M}$ 41'12	2°03'37		1341 Mar 09 j 08:11	30° $\mathbb{M}$ 32'07	
min. Earth dist.	1340 Apr 01 j 16:50	14° $\mathbb{M}$ 29'44	0.57168 AU	inferior conj	1341 Mar 11 j 02:50	28° $\mathbb{M}$ 32'24	3°07'28
desc. node	1340 Apr 06 j 05:04	11° $\mathbb{M}$ 51'53		minimum elong	1341 Mar 11 j 06:21	28° $\mathbb{M}$ 24'58	3°06'48
morning rise	1340 Apr 06 j 14:48	11° $\mathbb{M}$ 41'16		min. Earth dist.	1341 Mar 14 j 13:12	25° $\mathbb{M}$ 40'16	0.59159 AU
direct	1340 Apr 11 j 23:36	10° $\mathbb{M}$ 31'52		morning rise	1341 Mar 18 j 11:42	22° $\mathbb{M}$ 57'57	
morning max el	1340 Apr 26 j 07:08	17° $\mathbb{M}$ 59'28	25°59'42	desc. node	1341 Mar 24 j 02:06	21° $\mathbb{M}$ 13'21	
	1340 May 06 j 06:34	0° $\mathbb{M}$		direct	1341 Mar 24 j 18:40	21° $\mathbb{M}$ 12'05	
	1340 May 23 j 07:04	0° $\mathbb{M}$		morning max el	1341 Apr 08 j 02:53	28° $\mathbb{M}$ 56'06	27°09'30
morning set	1340 May 24 j 08:39	2° $\mathbb{M}$ 13'49			1341 Apr 09 j 04:19	0° $\mathbb{M}$	
asc. node	1340 May 25 j 10:48	4° $\mathbb{M}$ 32'24			1341 Apr 30 j 00:40	0° $\mathbb{M}$	
superior conj	1340 May 31 j 08:23	17° $\mathbb{M}$ 23'04	0°58'46	morning set	1341 May 08 j 17:57	17° $\mathbb{M}$ 01'43	
minimum elong	1340 May 31 j 06:11	17° $\mathbb{M}$ 10'59	0°58'22	asc. node	1341 May 12 j 07:49	24° $\mathbb{M}$ 39'10	
max. Earth dist.	1340 May 31 j 23:52	18° $\mathbb{M}$ 47'57	1.32455 AU		1341 May 14 j 18:35	0° $\mathbb{M}$	
	1340 Jun 06 j 04:22	0° $\mathbb{M}$		superior conj	1341 May 15 j 20:10	2° $\mathbb{M}$ 20'37	0°36'26
evening rise	1340 Jun 07 j 08:35	2° $\mathbb{M}$ 27'45		minimum elong	1341 May 15 j 18:38	2° $\mathbb{M}$ 12'09	0°36'07
	1340 Jun 22 j 07:44	0° $\Omega$		max. Earth dist.	1341 May 15 j 12:25	1° $\mathbb{M}$ 37'58	1.32233 AU
desc. node	1340 Jul 03 j 04:22	15° $\Omega$ 08'08		evening rise	1341 May 22 j 17:18	17° $\mathbb{M}$ 16'54	
evening max el	1340 Jul 08 j 13:09	20° $\Omega$ 53'30	27°06'05		1341 May 29 j 01:06	0° $\mathbb{M}$	
retrograde	1340 Jul 22 j 10:37	28° $\Omega$ 08'21			1341 Jun 17 j 22:56	0° $\Omega$	
evening set	1340 Jul 29 j 12:01	25° $\Omega$ 53'38		desc. node	1341 Jun 20 j 01:22	2° $\Omega$ 09'56	
min. Earth dist.	1340 Aug 02 j 03:26	23° $\Omega$ 10'30	0.61351 AU	evening max el	1341 Jun 20 j 12:58	2° $\Omega$ 37'55	26°13'34
inferior conj	1340 Aug 05 j 06:53	20° $\Omega$ 24'59	-4°21'53	retrograde	1341 Jul 04 j 12:55	9° $\Omega$ 49'26	
minimum elong	1340 Aug 05 j 11:37	20° $\Omega$ 14'32	4°21'00	evening set	1341 Jul 10 j 23:02	8° $\Omega$ 08'14	
morning rise	1340 Aug 12 j 12:52	15° $\Omega$ 31'25		min. Earth dist.	1341 Jul 15 j 01:45	5° $\Omega$ 31'36	0.59301 AU
direct	1340 Aug 14 j 23:22	15° $\Omega$ 06'56		inferior conj	1341 Jul 18 j 09:24	2° $\Omega$ 59'48	-4°49'57
asc. node	1340 Aug 21 j 10:01	18° $\Omega$ 04'03		minimum elong	1341 Jul 22 j 16:16	2° $\Omega$ 55'28	4°49'47
						30° $\mathbb{M}$ 32'07	

morning rise	1341 Jul 26 j 02:22	28° $\text{☿}$ 29'01		inferior conj	1342 Jun 29 j 16:30	14° $\text{☿}$ 53'28	-4°49'16
direct	1341 Jul 28 j 13:53	28° $\text{☿}$ 07'45		minimum elong	1342 Jun 29 j 14:00	14° $\text{☿}$ 57'38	4°49'07
	1341 Aug 03 j 02:15	0° $\text{♁}$		morning rise	1342 Jul 07 j 20:10	10° $\text{☿}$ 44'36	
morning max el	1341 Aug 05 j 09:30	1° $\text{♁}$ 53'06	18°25'07	direct	1342 Jul 10 j 10:21	10° $\text{☿}$ 25'21	
asc. node	1341 Aug 08 j 07:04	5° $\text{♁}$ 06'37		morning max el	1342 Jul 19 j 10:33	14° $\text{☿}$ 37'40	19°12'23
morning set	1341 Aug 21 j 11:06	27° $\text{♁}$ 27'54		asc. node	1342 Jul 26 j 04:07	23° $\text{☿}$ 04'04	
	1341 Aug 22 j 18:48	0° $\text{♁}$			1342 Jul 30 j 06:57	0° $\text{♁}$	
				morning set	1342 Aug 05 j 09:55	11° $\text{♁}$ 43'49	
superior conj	1341 Aug 30 j 13:00	14° $\text{♁}$ 40'47	1°35'30	superior conj	1342 Aug 13 j 15:25	28° $\text{♁}$ 01'15	1°44'55
minimum elong	1341 Aug 30 j 16:04	14° $\text{♁}$ 54'54	1°35'16	minimum elong	1342 Aug 13 j 16:30	28° $\text{♁}$ 06'27	1°44'53
max. Earth dist.	1341 Sep 07 j 00:08	28° $\text{♁}$ 00'55	1.40362 AU		1342 Aug 14 j 16:01	0° $\text{♁}$	
	1341 Sep 08 j 03:52	0° $\text{♁}$		max. Earth dist.	1342 Aug 20 j 03:34	10° $\text{♁}$ 15'36	1.38316 AU
evening rise	1341 Sep 11 j 10:35	5° $\text{♁}$ 31'17		evening rise	1342 Aug 23 j 22:34	17° $\text{♁}$ 01'13	
desc. node	1341 Sep 16 j 00:43	12° $\text{♁}$ 58'48			1342 Aug 31 j 16:25	0° $\text{♁}$	
	1341 Sep 27 j 05:17	0° $\text{♁}$		desc. node	1342 Sep 02 j 21:44	3° $\text{♁}$ 31'50	
evening max el	1341 Oct 16 j 02:24	24° $\text{♁}$ 07'58	23°32'32		1342 Sep 21 j 16:04	0° $\text{♁}$	
	1341 Oct 24 j 08:27	0° $\text{♁}$		evening max el	1342 Sep 28 j 14:29	7° $\text{♁}$ 44'27	24°50'53
retrograde	1341 Oct 26 j 16:29	0° $\text{♁}$ 23'14		retrograde	1342 Oct 10 j 05:49	14° $\text{♁}$ 30'46	
	1341 Oct 28 j 21:33	30° $\text{♁}$		evening set	1342 Oct 15 j 20:59	12° $\text{♁}$ 08'38	
evening set	1341 Oct 31 j 17:27	28° $\text{♁}$ 17'46		min. Earth dist.	1342 Oct 20 j 10:35	6° $\text{♁}$ 58'00	0.67356 AU
asc. node	1341 Nov 04 j 06:18	24° $\text{♁}$ 24'23		inferior conj	1342 Oct 21 j 08:20	5° $\text{♁}$ 46'05	-0°16'25
min. Earth dist.	1341 Nov 05 j 15:29	22° $\text{♁}$ 33'07	0.67723 AU	minimum elong	1342 Oct 21 j 08:44	5° $\text{♁}$ 44'45	0°16'14
inferior conj	1341 Nov 06 j 02:40	21° $\text{♁}$ 54'53	0°37'59	transit middle	1342 Oct 21 j 08:44	5° $\text{♁}$ 44'45	0°16'14
minimum elong	1341 Nov 06 j 01:47	21° $\text{♁}$ 57'55	0°37'37	transit begin	1342 Oct 21 j 08:40	5° $\text{♁}$ 45'00	
morning rise	1341 Nov 11 j 10:04	15° $\text{♁}$ 47'28		transit end	1342 Oct 21 j 08:49	5° $\text{♁}$ 44'30	
direct	1341 Nov 15 j 13:13	14° $\text{♁}$ 11'55		asc. node	1342 Oct 22 j 03:21	4° $\text{♁}$ 43'36	
morning max el	1341 Nov 23 j 23:20	19° $\text{♁}$ 05'43	21°04'18	morning rise	1342 Oct 26 j 20:38	29° $\text{♁}$ 44'58	
	1341 Dec 02 j 21:50	0° $\text{♁}$			1342 Oct 26 j 12:21	30° $\text{♁}$	
desc. node	1341 Dec 12 j 23:59	14° $\text{♁}$ 29'02		direct	1342 Oct 30 j 11:09	28° $\text{♁}$ 30'05	
	1341 Dec 23 j 04:24	0° $\text{♁}$			1342 Nov 03 j 16:43	0° $\text{♁}$	
morning set	1341 Dec 24 j 06:35	1° $\text{♁}$ 42'15		morning max el	1342 Nov 06 j 23:44	2° $\text{♁}$ 47'44	19°54'09
max. Earth dist.	1342 Jan 01 j 05:26	14° $\text{♁}$ 24'55	1.42567 AU		1342 Nov 26 j 16:49	0° $\text{♁}$	
superior conj	1342 Jan 08 j 07:57	26° $\text{♁}$ 15'46	-2°03'13	desc. node	1342 Nov 29 j 21:01	4° $\text{♁}$ 51'13	
minimum elong	1342 Jan 08 j 06:21	26° $\text{♁}$ 08'57	2°03'12	morning set	1342 Dec 03 j 02:43	9° $\text{♁}$ 50'21	
	1342 Jan 10 j 12:15	0° $\text{♁}$		max. Earth dist.	1342 Dec 14 j 15:57	27° $\text{♁}$ 56'23	1.44064 AU
evening rise	1342 Jan 19 j 21:00	16° $\text{♁}$ 33'21			1342 Dec 15 j 22:55	0° $\text{♁}$	
	1342 Jan 27 j 11:21	0° $\text{♁}$		superior conj	1342 Dec 19 j 16:04	5° $\text{♁}$ 59'18	-1°48'58
asc. node	1342 Jan 31 j 05:35	6° $\text{♁}$ 04'36		minimum elong	1342 Dec 19 j 09:15	5° $\text{♁}$ 31'36	1°48'29
evening max el	1342 Feb 05 j 16:02	13° $\text{♁}$ 01'15	18°07'36	evening rise	1343 Jan 02 j 00:00	28° $\text{♁}$ 14'49	
retrograde	1342 Feb 12 j 07:24	16° $\text{♁}$ 25'57			1343 Jan 03 j 00:37	0° $\text{♁}$	
evening set	1342 Feb 15 j 00:11	15° $\text{♁}$ 52'10		asc. node	1343 Jan 18 j 02:39	23° $\text{♁}$ 57'06	
inferior conj	1342 Feb 21 j 13:43	10° $\text{♁}$ 52'38	3°38'40	evening max el	1343 Jan 20 j 04:36	26° $\text{♁}$ 17'21	18°14'19
minimum elong	1342 Feb 21 j 15:17	10° $\text{♁}$ 48'48	3°38'33	retrograde	1343 Jan 26 j 15:51	29° $\text{♁}$ 44'55	
min. Earth dist.	1342 Feb 24 j 16:40	7° $\text{♁}$ 51'29	0.61289 AU	evening set	1343 Jan 29 j 13:32	29° $\text{♁}$ 00'47	
morning rise	1342 Feb 28 j 04:46	5° $\text{♁}$ 00'07		inferior conj	1343 Feb 04 j 16:00	23° $\text{♁}$ 41'32	3°45'32
direct	1342 Mar 07 j 00:41	2° $\text{♁}$ 39'54		minimum elong	1343 Feb 04 j 15:35	23° $\text{♁}$ 42'39	3°45'32
desc. node	1342 Mar 10 j 23:09	3° $\text{♁}$ 22'33		min. Earth dist.	1343 Feb 07 j 05:19	20° $\text{♁}$ 54'05	0.63278 AU
morning max el	1342 Mar 21 j 05:09	10° $\text{♁}$ 32'54	27°45'14	morning rise	1343 Feb 10 j 16:45	17° $\text{♁}$ 38'37	
	1342 Apr 05 j 09:10	0° $\text{♁}$		direct	1343 Feb 17 j 15:46	14° $\text{♁}$ 54'58	
	1342 Apr 22 j 04:40	0° $\text{♁}$		desc. node	1343 Feb 25 j 20:12	17° $\text{♁}$ 59'04	
morning set	1342 Apr 22 j 23:14	1° $\text{♁}$ 34'46		morning max el	1343 Mar 03 j 12:26	22° $\text{♁}$ 49'50	27°43'35
max. Earth dist.	1342 Apr 28 j 23:36	14° $\text{♁}$ 20'23	1.32388 AU		1343 Mar 09 j 21:14	0° $\text{♁}$	
asc. node	1342 Apr 29 j 04:51	14° $\text{♁}$ 48'56			1343 Mar 29 j 14:18	0° $\text{♁}$	
superior conj	1342 Apr 30 j 06:57	17° $\text{♁}$ 11'14	0°11'29	morning set	1343 Apr 06 j 22:13	15° $\text{♁}$ 45'46	
minimum elong	1342 Apr 30 j 06:25	17° $\text{♁}$ 08'21	0°11'22	max. Earth dist.	1343 Apr 12 j 05:21	26° $\text{♁}$ 41'37	1.32948 AU
behind sun begin	1342 Apr 30 j 02:51	16° $\text{♁}$ 48'49			1343 Apr 13 j 18:36	0° $\text{♁}$	
behind sun end	1342 Apr 30 j 10:00	17° $\text{♁}$ 27'53		superior conj	1343 Apr 14 j 15:01	1° $\text{♁}$ 49'36	-0°15'19
	1342 May 06 j 04:08	0° $\text{♁}$		minimum elong	1343 Apr 14 j 15:45	1° $\text{♁}$ 53'36	0°15'09
evening rise	1342 May 07 j 04:30	2° $\text{♁}$ 09'50		behind sun begin	1343 Apr 14 j 14:09	1° $\text{♁}$ 44'56	
	1342 May 22 j 07:16	0° $\text{☿}$		behind sun end	1343 Apr 14 j 17:22	2° $\text{♁}$ 02'16	
evening max el	1342 Jun 02 j 05:45	13° $\text{☿}$ 36'54	24°53'58	asc. node	1343 Apr 16 j 01:55	4° $\text{♁}$ 57'57	
desc. node	1342 Jun 06 j 22:23	17° $\text{☿}$ 28'08		evening rise	1343 Apr 21 j 16:20	17° $\text{♁}$ 00'33	
retrograde	1342 Jun 16 j 05:04	20° $\text{☿}$ 42'26			1343 Apr 28 j 03:12	0° $\text{♁}$	
evening set	1342 Jun 21 j 10:34	19° $\text{☿}$ 40'03		evening max el	1343 May 14 j 19:42	24° $\text{♁}$ 09'39	23°19'44
min. Earth dist.	1342 Jun 26 j 17:08	16° $\text{☿}$ 51'35	0.57330 AU				

	1343 May 23 j 10:04	0°☿			1344 Apr 21 j 07:44	0°♊	
desc. node	1343 May 24 j 19:25	0°☿26'57		evening max el	1344 Apr 25 j 14:06	4°♊46'55	21°45'51
retrograde	1343 May 28 j 09:03	0°☿55'56		retrograde	1344 May 08 j 01:17	10°♊53'28	
evening set	1343 Jun 01 j 02:40	0°☿25'19		evening set	1344 May 10 j 14:34	10°♊38'51	
	1343 Jun 02 j 11:12	30°♊♊		desc. node	1344 May 10 j 16:27	10°♊37'57	
min. Earth dist.	1343 Jun 08 j 05:41	27°♊10'30	0.55781 AU	min. Earth dist.	1344 May 19 j 17:54	6°♊45'25	0.54988 AU
inferior conj	1343 Jun 10 j 03:43	26°♊02'35	-4°06'22	inferior conj	1344 May 20 j 00:30	6°♊36'10	-2°36'55
minimum elong	1343 Jun 09 j 20:42	26°♊12'58	4°04'56	minimum elong	1344 May 19 j 17:39	6°♊45'46	2°34'43
morning rise	1343 Jun 18 j 17:22	22°♊07'57		morning rise	1344 May 28 j 21:47	2°♊40'48	
direct	1343 Jun 21 j 11:33	21°♊49'26		direct	1344 May 31 j 23:49	2°♊19'50	
morning max el	1343 Jul 02 j 01:02	26°♊42'42	20°20'48	morning max el	1344 Jun 13 j 04:09	8°♊03'50	21°48'15
	1343 Jul 05 j 03:39	0°☿			1344 Jun 28 j 10:31	0°☿	
asc. node	1343 Jul 13 j 01:10	11°☿43'50		asc. node	1344 Jun 28 j 22:14	0°☿55'38	
morning set	1343 Jul 20 j 15:05	26°☿19'14		morning set	1344 Jul 04 j 00:21	11°☿07'56	
	1343 Jul 22 j 10:09	0°♊					
				superior conj	1344 Jul 11 j 07:01	26°☿27'53	1°39'02
superior conj	1343 Jul 28 j 06:43	12°♊00'47	1°45'31	minimum elong	1344 Jul 11 j 05:14	26°☿18'34	1°38'55
minimum elong	1343 Jul 28 j 06:06	11°♊57'36	1°45'30		1344 Jul 12 j 23:47	0°♊	
max. Earth dist.	1343 Aug 02 j 09:17	22°♊06'38	1.36404 AU	max. Earth dist.	1344 Jul 14 j 22:58	4°♊01'47	1.34797 AU
evening rise	1343 Aug 06 j 08:19	29°♊33'53		evening rise	1344 Jul 19 j 11:11	12°♊56'55	
	1343 Aug 06 j 14:01	0°♊			1344 Jul 28 j 21:57	0°♊	
desc. node	1343 Aug 20 j 18:45	23°♊51'04		desc. node	1344 Aug 06 j 15:46	13°♊50'03	
	1343 Aug 24 j 21:36	0°♊			1344 Aug 18 j 21:33	0°♊	
evening max el	1343 Sep 11 j 02:17	21°♊23'07	26°00'21	evening max el	1344 Aug 23 j 14:37	4°♊58'25	26°53'13
retrograde	1343 Sep 23 j 14:26	28°♊29'52		retrograde	1344 Sep 05 j 17:40	12°♊14'35	
evening set	1343 Sep 29 j 19:46	25°♊54'12		evening set	1344 Sep 12 j 11:37	9°♊31'08	
min. Earth dist.	1343 Oct 04 j 01:46	21°♊19'14	0.66660 AU	min. Earth dist.	1344 Sep 16 j 10:37	5°♊32'54	0.65621 AU
inferior conj	1343 Oct 05 j 10:36	19°♊36'21	-1°13'19	inferior conj	1344 Sep 18 j 07:28	3°♊22'26	-2°10'56
minimum elong	1343 Oct 05 j 12:31	19°♊30'22	1°12'31	minimum elong	1344 Sep 18 j 10:54	3°♊12'26	2°09'38
asc. node	1343 Oct 09 j 00:25	15°♊29'48			1344 Sep 21 j 09:49	30°♊♊	
morning rise	1343 Oct 11 j 05:37	13°♊44'13		morning rise	1344 Sep 24 j 10:49	27°♊42'25	
direct	1343 Oct 14 j 09:39	12°♊46'37		asc. node	1344 Sep 24 j 21:27	27°♊29'46	
morning max el	1343 Oct 21 j 07:21	16°♊37'59	18°58'34	direct	1344 Sep 27 j 06:44	26°♊58'18	
	1343 Oct 31 j 10:01	0°♊			1344 Oct 03 j 06:52	0°♊	
morning set	1343 Nov 12 j 11:23	18°♊42'26		morning max el	1344 Oct 03 j 20:22	0°♊32'51	18°19'13
desc. node	1343 Nov 16 j 18:02	25°♊24'59		morning set	1344 Oct 22 j 23:52	28°♊59'44	
	1343 Nov 19 j 16:12	0°♊			1344 Oct 23 j 14:41	0°♊	
max. Earth dist.	1343 Nov 27 j 07:54	12°♊00'49	1.44934 AU	desc. node	1344 Nov 02 j 15:05	16°♊06'51	
superior conj	1343 Nov 29 j 00:53	14°♊42'14	-1°15'54	superior conj	1344 Nov 07 j 02:10	23°♊10'42	-0°29'24
minimum elong	1343 Nov 28 j 16:24	14°♊08'49	1°14'58	minimum elong	1344 Nov 06 j 22:20	22°♊55'37	0°28'54
	1343 Dec 08 j 15:35	0°♊		max. Earth dist.	1344 Nov 09 j 02:55	26°♊22'38	1.45082 AU
evening rise	1343 Dec 14 j 04:39	8°♊58'14			1344 Nov 11 j 10:17	0°♊	
	1343 Dec 27 j 07:12	0°♊		evening rise	1344 Nov 23 j 10:00	18°♊45'48	
evening max el	1344 Jan 03 j 16:18	9°♊41'21	18°39'28		1344 Nov 30 j 14:29	0°♊	
asc. node	1344 Jan 04 j 23:43	10°♊55'38		greatest brilliancy	1344 Dec 04 j 12:51	6°♊05'01	-0.8m
retrograde	1344 Jan 10 j 07:50	13°♊23'13		evening max el	1344 Dec 17 j 00:52	23°♊09'13	19°21'41
evening set	1344 Jan 13 j 11:05	12°♊27'38		asc. node	1344 Dec 21 j 20:45	26°♊46'09	
inferior conj	1344 Jan 19 j 05:38	6°♊50'25	3°34'36	retrograde	1344 Dec 24 j 04:01	27°♊15'14	
minimum elong	1344 Jan 19 j 03:50	6°♊55'52	3°34'23	evening set	1344 Dec 27 j 14:06	26°♊06'53	
min. Earth dist.	1344 Jan 21 j 03:28	4°♊32'37	0.64953 AU	inferior conj	1345 Jan 02 j 03:20	20°♊13'53	3°10'36
morning rise	1344 Jan 24 j 20:07	0°♊41'45		minimum elong	1345 Jan 02 j 00:47	20°♊22'04	3°10'03
	1344 Jan 25 j 16:52	30°♊♊		min. Earth dist.	1345 Jan 03 j 10:14	18°♊34'07	0.66237 AU
direct	1344 Jan 31 j 14:01	27°♊49'33		morning rise	1345 Jan 07 j 11:15	14°♊02'03	
	1344 Feb 07 j 03:09	0°♊		direct	1345 Jan 13 j 18:17	11°♊15'05	
desc. node	1344 Feb 12 j 17:15	4°♊26'16		morning max el	1345 Jan 26 j 07:16	18°♊40'41	26°04'49
morning max el	1344 Feb 13 j 21:52	5°♊36'10	27°07'42	desc. node	1345 Jan 29 j 14:18	22°♊13'07	
	1344 Mar 03 j 13:54	0°♊			1345 Feb 04 j 21:37	0°♊	
morning set	1344 Mar 20 j 11:55	29°♊24'45			1345 Feb 24 j 14:29	0°♊	
	1344 Mar 20 j 19:11	0°♊		morning set	1345 Mar 03 j 12:17	12°♊19'41	
max. Earth dist.	1344 Mar 25 j 01:51	8°♊31'02	1.33945 AU	max. Earth dist.	1345 Mar 07 j 10:51	19°♊48'15	1.35401 AU
superior conj	1344 Mar 28 j 18:19	16°♊08'59	-0°42'55	superior conj	1345 Mar 12 j 14:25	0°♊02'01	-1°09'58
minimum elong	1344 Mar 28 j 20:27	16°♊20'11	0°42'29	minimum elong	1345 Mar 12 j 17:49	0°♊19'18	1°09'23
asc. node	1344 Apr 01 j 23:00	25°♊01'48			1345 Mar 12 j 14:01	0°♊	
	1344 Apr 04 j 07:23	0°♊		asc. node	1345 Mar 19 j 20:02	14°♊56'07	
evening rise	1344 Apr 05 j 02:56	1°♊42'32		evening rise	1345 Mar 20 j 10:19	16°♊09'23	

	1345 Mar 27 j 12:41	0°♄		evening max el	1346 Mar 21 j 10:28	27°♄38'58	19°20'10
evening max el	1345 Apr 07 j 18:32	15°♄53'25	20°23'58		1346 Mar 24 j 07:33	0°♄	
retrograde	1345 Apr 18 j 14:30	21°♄07'44		retrograde	1346 Mar 30 j 14:00	2°♄03'58	
evening set	1345 Apr 20 j 16:21	20°♄57'00		evening set	1346 Apr 01 j 16:47	1°♄50'48	
desc. node	1345 Apr 27 j 13:29	18°♄16'07			1346 Apr 06 j 09:48	30°♄♂	
inferior conj	1345 Apr 29 j 19:25	16°♄59'05	-0°39'09	inferior conj	1346 Apr 10 j 02:39	27°♄42'33	1°12'55
minimum elong	1345 Apr 29 j 17:34	17°♄01'46	0°38'29	minimum elong	1346 Apr 10 j 05:30	27°♄37'49	1°11'57
min. Earth dist.	1345 May 01 j 06:49	16°♄07'29	0.55143 AU	min. Earth dist.	1346 Apr 12 j 21:33	25°♄52'37	0.56212 AU
morning rise	1345 May 08 j 17:33	12°♄44'11		desc. node	1346 Apr 14 j 10:30	24°♄55'49	
direct	1345 May 12 j 11:15	12°♄13'58		morning rise	1346 Apr 18 j 15:22	22°♄54'35	
morning max el	1345 May 25 j 22:13	18°♄47'30	23°28'07	direct	1346 Apr 23 j 08:47	22°♄03'28	
	1345 Jun 04 j 04:15	0°♄		morning max el	1346 May 07 j 12:49	29°♄15'42	25°08'11
asc. node	1345 Jun 15 j 19:16	20°♄30'37			1346 May 08 j 06:56	0°♄	
morning set	1345 Jun 18 j 11:43	26°♄03'30			1346 May 28 j 13:03	0°♄	
	1345 Jun 20 j 08:19	0°♄		morning set	1346 Jun 02 j 23:35	11°♄00'36	
				asc. node	1346 Jun 02 j 16:19	10°♄22'20	
superior conj	1345 Jun 25 j 13:14	11°♄12'26	1°26'55				
minimum elong	1345 Jun 25 j 10:53	10°♄59'48	1°26'38	superior conj	1346 Jun 09 j 23:07	26°♄07'15	1°10'10
max. Earth dist.	1345 Jun 27 j 22:06	16°♄15'39	1.33575 AU	minimum elong	1346 Jun 09 j 20:43	25°♄54'12	1°09'47
evening rise	1345 Jul 03 j 02:33	26°♄56'36		max. Earth dist.	1346 Jun 11 j 04:55	28°♄49'36	1.32751 AU
	1345 Jul 04 j 15:40	0°♄			1346 Jun 11 j 17:54	0°♄	
	1345 Jul 22 j 05:07	0°♄		evening rise	1346 Jun 17 j 02:50	11°♄22'21	
desc. node	1345 Jul 24 j 12:47	3°♄19'09			1346 Jun 26 j 21:08	0°♄	
evening max el	1345 Aug 06 j 02:16	18°♄17'48	27°22'11	desc. node	1346 Jul 11 j 09:48	22°♄05'51	
retrograde	1345 Aug 19 j 14:56	25°♄36'02			1346 Jul 18 j 07:10	0°♄	
evening set	1345 Aug 26 j 17:48	22°♄53'41		evening max el	1346 Jul 19 j 11:04	1°♄08'08	27°21'18
min. Earth dist.	1345 Aug 30 j 10:46	19°♄30'47	0.64222 AU	retrograde	1346 Aug 02 j 05:55	8°♄25'02	
inferior conj	1345 Sep 01 j 20:29	16°♄58'09	-3°06'56	evening set	1346 Aug 09 j 10:46	5°♄55'55	
minimum elong	1345 Sep 02 j 01:11	16°♄45'42	3°05'25	min. Earth dist.	1346 Aug 13 j 00:43	3°♄01'58	0.62480 AU
morning rise	1345 Sep 08 j 09:32	11°♄33'46		inferior conj	1346 Aug 15 j 22:45	0°♄16'43	-3°57'31
direct	1345 Sep 10 j 23:47	10°♄59'37		minimum elong	1346 Aug 16 j 03:55	0°♄04'30	3°56'15
asc. node	1345 Sep 11 j 18:28	11°♄02'44			1346 Aug 16 j 05:49	30°♄♂	
morning max el	1345 Sep 17 j 12:08	14°♄25'55	17°57'00	morning rise	1346 Aug 22 j 22:28	25°♄11'21	
	1345 Sep 28 j 09:39	0°♄		direct	1346 Aug 25 j 09:34	24°♄44'07	
morning set	1345 Oct 04 j 16:09	10°♄38'10		asc. node	1346 Aug 29 j 15:30	26°♄07'14	
	1345 Oct 16 j 05:59	0°♄		morning max el	1346 Sep 01 j 03:45	28°♄10'36	17°52'44
					1346 Sep 02 j 20:08	0°♄	
superior conj	1345 Oct 17 j 17:25	2°♄24'08	0°18'36	morning set	1346 Sep 17 j 06:28	23°♄19'27	
minimum elong	1345 Oct 17 j 19:31	2°♄32'38	0°18'18		1346 Sep 21 j 00:19	0°♄	
desc. node	1345 Oct 20 j 12:06	6°♄52'58					
max. Earth dist.	1345 Oct 22 j 21:30	10°♄41'57	1.44488 AU	superior conj	1346 Sep 28 j 10:48	12°♄55'23	0°58'04
evening rise	1345 Nov 02 j 21:49	27°♄54'10		minimum elong	1346 Sep 28 j 15:26	13°♄15'03	0°57'28
	1345 Nov 04 j 06:33	0°♄		max. Earth dist.	1346 Oct 05 j 12:18	24°♄39'04	1.43235 AU
	1345 Nov 24 j 15:21	0°♄		desc. node	1346 Oct 07 j 09:07	27°♄40'01	
evening max el	1345 Nov 30 j 04:31	6°♄38'21	20°19'05		1346 Oct 08 j 20:06	0°♄	
retrograde	1345 Dec 08 j 01:49	11°♄16'48		evening rise	1346 Oct 13 j 06:36	6°♄59'26	
asc. node	1345 Dec 08 j 17:45	11°♄14'19			1346 Oct 28 j 14:07	0°♄	
evening set	1345 Dec 11 j 20:22	9°♄54'11		evening max el	1346 Nov 13 j 02:27	20°♄07'53	21°28'45
inferior conj	1345 Dec 17 j 06:22	3°♄48'11	2°36'45	retrograde	1346 Nov 21 j 23:07	25°♄24'08	
minimum elong	1345 Dec 17 j 03:42	3°♄57'12	2°35'57	asc. node	1346 Nov 25 j 14:46	24°♄10'09	
min. Earth dist.	1345 Dec 17 j 23:54	2°♄48'55	0.67116 AU	evening set	1346 Nov 26 j 03:59	23°♄45'47	
	1345 Dec 20 j 04:15	30°♄♂		inferior conj	1346 Dec 01 j 12:31	17°♄30'12	1°55'12
morning rise	1345 Dec 22 j 10:52	27°♄35'01		minimum elong	1346 Dec 01 j 10:13	17°♄38'08	1°54'23
direct	1345 Dec 28 j 03:52	25°♄03'10		min. Earth dist.	1346 Dec 01 j 18:13	17°♄10'30	0.67621 AU
	1346 Jan 06 j 16:04	0°♄		morning rise	1346 Dec 06 j 16:19	11°♄17'26	
morning max el	1346 Jan 08 j 15:50	1°♄54'30	24°44'19	direct	1346 Dec 11 j 18:11	9°♄06'16	
desc. node	1346 Jan 16 j 11:20	10°♄56'42		morning max el	1346 Dec 22 j 00:56	15°♄13'07	23°16'14
	1346 Jan 29 j 23:38	0°♄		desc. node	1347 Jan 03 j 08:22	0°♄20'19	
morning set	1346 Feb 13 j 18:05	24°♄15'57			1347 Jan 03 j 02:27	0°♄	
	1346 Feb 16 j 22:42	0°♄			1347 Jan 22 j 23:22	0°♄	
max. Earth dist.	1346 Feb 17 j 09:52	0°♄51'01	1.37265 AU	morning set	1347 Jan 25 j 22:58	4°♄56'30	
				max. Earth dist.	1347 Jan 30 j 04:45	12°♄10'56	1.39381 AU
superior conj	1346 Feb 24 j 00:12	13°♄20'04	-1°34'28				
minimum elong	1346 Feb 24 j 04:20	13°♄40'12	1°33'57	superior conj	1347 Feb 06 j 19:33	25°♄52'03	-1°53'38
	1346 Mar 04 j 09:19	0°♄		minimum elong	1347 Feb 06 j 23:11	26°♄08'52	1°53'23
evening rise	1346 Mar 04 j 12:11	0°♄14'22			1347 Feb 09 j 00:36	0°♄	
asc. node	1346 Mar 06 j 17:04	4°♄36'11		evening rise	1347 Feb 16 j 05:44	13°♄49'09	

asc. node	1347 Feb 21 j 14:06	23° $\text{H}$ 55'46		asc. node	1348 Feb 08 j 11:08	12° $\text{H}$ 48'31	
	1347 Feb 25 j 01:29	0° $\text{Y}$		evening max el	1348 Feb 15 j 20:31	22° $\text{H}$ 49'32	18°12'26
evening max el	1347 Mar 04 j 12:07	10° $\text{Y}$ 00'04	18°36'18	retrograde	1348 Feb 22 j 18:38	26° $\text{H}$ 18'13	
retrograde	1347 Mar 12 j 07:13	13° $\text{Y}$ 48'50		evening set	1348 Feb 25 j 08:34	25° $\text{H}$ 50'00	
evening set	1347 Mar 14 j 15:28	13° $\text{Y}$ 29'21		inferior conj	1348 Mar 03 j 06:10	21° $\text{H}$ 02'47	3°24'07
inferior conj	1347 Mar 22 j 05:59	9° $\text{Y}$ 03'00	2°35'34	minimum elong	1348 Mar 03 j 08:56	20° $\text{H}$ 56'34	3°23'42
minimum elong	1347 Mar 22 j 10:05	8° $\text{Y}$ 55'05	2°34'32	min. Earth dist.	1348 Mar 06 j 14:42	18° $\text{H}$ 03'27	0.60072 AU
min. Earth dist.	1347 Mar 25 j 15:30	6° $\text{Y}$ 27'03	0.57968 AU	morning rise	1348 Mar 10 j 07:08	15° $\text{H}$ 19'32	
morning rise	1347 Mar 30 j 01:42	3° $\text{Y}$ 42'40		direct	1348 Mar 16 j 21:04	13° $\text{H}$ 17'44	
desc. node	1347 Apr 01 j 07:33	2° $\text{Y}$ 50'09		desc. node	1348 Mar 18 j 04:36	13° $\text{H}$ 22'26	
direct	1347 Apr 04 j 20:36	2° $\text{Y}$ 18'13		morning max el	1348 Mar 31 j 04:00	21° $\text{H}$ 06'54	27°29'07
morning max el	1347 Apr 19 j 05:37	9° $\text{Y}$ 54'55	26°33'05		1348 Apr 07 j 21:09	0° $\text{Y}$	
	1347 May 04 j 13:44	0° $\text{B}$			1348 Apr 26 j 11:01	0° $\text{B}$	
morning set	1347 May 18 j 10:17	25° $\text{B}$ 53'00		morning set	1348 May 01 j 18:05	10° $\text{B}$ 34'42	
	1347 May 20 j 08:47	0° $\text{II}$		asc. node	1348 May 06 j 10:25	20° $\text{B}$ 32'52	
asc. node	1347 May 20 j 13:22	0° $\text{II}$ 24'38		max. Earth dist.	1348 May 08 j 04:27	24° $\text{B}$ 22'20	1.32247 AU
superior conj	1347 May 25 j 10:41	11° $\text{II}$ 05'08	0°49'40	superior conj	1348 May 08 j 22:16	26° $\text{B}$ 00'06	0°26'08
minimum elong	1347 May 25 j 08:43	10° $\text{II}$ 54'19	0°49'17	minimum elong	1348 May 08 j 21:07	25° $\text{B}$ 53'47	0°25'53
max. Earth dist.	1347 May 25 j 16:14	11° $\text{II}$ 35'38	1.32308 AU		1348 May 10 j 17:56	0° $\text{II}$	
evening rise	1347 Jun 01 j 09:07	26° $\text{II}$ 04'40		evening rise	1348 May 15 j 19:07	10° $\text{II}$ 55'44	
	1347 Jun 03 j 06:39	0° $\text{E}$			1348 May 25 j 13:25	0° $\text{E}$	
	1347 Jun 20 j 12:24	0° $\text{O}$		evening max el	1348 Jun 12 j 11:24	24° $\text{E}$ 42'22	25°42'32
desc. node	1347 Jun 28 j 06:48	9° $\text{O}$ 52'34		desc. node	1348 Jun 14 j 03:50	26° $\text{E}$ 14'13	
evening max el	1347 Jul 01 j 14:38	13° $\text{O}$ 18'14	26°47'33		1348 Jun 19 j 13:17	0° $\text{O}$	
retrograde	1347 Jul 15 j 13:40	20° $\text{O}$ 32'38		retrograde	1348 Jun 26 j 12:09	1° $\text{O}$ 52'15	
evening set	1347 Jul 22 j 10:08	18° $\text{O}$ 30'39		evening set	1348 Jul 02 j 11:17	0° $\text{O}$ 27'54	
min. Earth dist.	1347 Jul 26 j 04:30	15° $\text{O}$ 52'34	0.60483 AU		1348 Jul 03 j 10:00	30° $\text{R}$ $\text{E}$	
inferior conj	1347 Jul 29 j 10:58	13° $\text{O}$ 10'06	-4°36'30	min. Earth dist.	1348 Jul 06 j 23:45	27° $\text{E}$ 48'02	0.58425 AU
minimum elong	1347 Jul 29 j 14:57	13° $\text{O}$ 01'47	4°35'56	inferior conj	1348 Jul 10 j 05:32	25° $\text{E}$ 28'20	-4°54'05
morning rise	1347 Aug 05 j 21:42	8° $\text{O}$ 26'21		minimum elong	1348 Jul 10 j 05:59	25° $\text{E}$ 27'31	4°54'04
direct	1347 Aug 08 j 08:12	8° $\text{O}$ 03'35		morning rise	1348 Jul 18 j 03:05	21° $\text{E}$ 07'02	
morning max el	1347 Aug 15 j 16:11	11° $\text{O}$ 39'21	18°07'31	direct	1348 Jul 20 j 15:25	20° $\text{E}$ 46'49	
asc. node	1347 Aug 16 j 12:33	12° $\text{O}$ 31'04		morning max el	1348 Jul 28 j 22:12	24° $\text{E}$ 42'32	18°42'37
	1347 Aug 27 j 21:14	0° $\text{M}$		asc. node	1348 Aug 02 j 09:38	29° $\text{E}$ 58'33	
morning set	1347 Aug 31 j 12:59	6° $\text{M}$ 47'20			1348 Aug 02 j 10:03	0° $\text{O}$	
superior conj	1347 Sep 10 j 06:26	24° $\text{M}$ 44'03	1°25'17	morning set	1348 Aug 14 j 06:56	20° $\text{O}$ 48'43	
minimum elong	1347 Sep 10 j 10:30	25° $\text{M}$ 02'16	1°24'53		1348 Aug 19 j 00:05	0° $\text{M}$	
	1347 Sep 13 j 05:50	0° $\text{A}$		superior conj	1348 Aug 22 j 23:13	7° $\text{M}$ 35'21	1°40'41
max. Earth dist.	1347 Sep 17 j 21:32	7° $\text{A}$ 58'59	1.41493 AU	minimum elong	1348 Aug 23 j 01:27	7° $\text{M}$ 45'48	1°40'34
evening rise	1347 Sep 23 j 05:21	16° $\text{A}$ 45'24		max. Earth dist.	1348 Aug 30 j 02:13	20° $\text{M}$ 36'13	1.39491 AU
desc. node	1347 Sep 24 j 06:08	18° $\text{A}$ 24'55		evening rise	1348 Sep 03 j 03:26	27° $\text{M}$ 36'27	
	1347 Oct 01 j 16:27	0° $\text{M}$			1348 Sep 04 j 13:32	0° $\text{A}$	
	1347 Oct 23 j 10:30	0° $\text{J}$		desc. node	1348 Sep 10 j 03:09	9° $\text{A}$ 03'35	
evening max el	1347 Oct 26 j 19:13	3° $\text{J}$ 39'35	22°46'28		1348 Sep 24 j 05:50	0° $\text{M}$	
retrograde	1347 Nov 05 j 18:15	9° $\text{J}$ 34'32		evening max el	1348 Oct 08 j 08:34	17° $\text{M}$ 14'39	24°06'32
evening set	1347 Nov 10 j 11:19	7° $\text{J}$ 39'18		retrograde	1348 Oct 19 j 09:50	23° $\text{M}$ 43'58	
asc. node	1347 Nov 12 j 11:48	5° $\text{J}$ 38'46		evening set	1348 Oct 24 j 16:41	21° $\text{M}$ 31'30	
inferior conj	1347 Nov 15 j 19:53	1° $\text{J}$ 17'55	1°07'38	asc. node	1348 Oct 29 j 08:52	16° $\text{M}$ 08'33	
minimum elong	1347 Nov 15 j 18:23	1° $\text{J}$ 23'07	1°07'01	min. Earth dist.	1348 Oct 29 j 11:08	16° $\text{M}$ 00'56	0.67609 AU
min. Earth dist.	1347 Nov 15 j 14:47	1° $\text{J}$ 35'32	0.67779 AU	inferior conj	1348 Oct 30 j 02:41	15° $\text{M}$ 08'22	0°15'20
	1347 Nov 16 j 18:34	30° $\text{R}$ $\text{M}$		minimum elong	1348 Oct 30 j 02:18	15° $\text{M}$ 09'38	0°15'11
morning rise	1347 Nov 21 j 01:20	25° $\text{M}$ 07'41		transit middle	1348 Oct 30 j 02:18	15° $\text{M}$ 09'38	0°15'11
direct	1347 Nov 25 j 12:28	23° $\text{M}$ 19'09		transit begin	1348 Oct 30 j 01:20	15° $\text{M}$ 12'57	
morning max el	1347 Dec 04 j 13:49	28° $\text{M}$ 38'32	21°50'02	transit end	1348 Oct 30 j 03:17	15° $\text{M}$ 06'19	
	1347 Dec 05 j 20:57	0° $\text{J}$		morning rise	1348 Nov 04 j 11:54	9° $\text{M}$ 03'07	
desc. node	1347 Dec 21 j 05:24	20° $\text{J}$ 12'59		direct	1348 Nov 08 j 09:32	7° $\text{M}$ 36'29	
	1347 Dec 27 j 19:29	0° $\text{B}$		morning max el	1348 Nov 16 j 09:32	12° $\text{M}$ 13'35	20°32'43
morning set	1348 Jan 05 j 22:45	14° $\text{B}$ 13'21			1348 Nov 30 j 01:44	0° $\text{J}$	
max. Earth dist.	1348 Jan 12 j 03:10	24° $\text{B}$ 18'31	1.41485 AU	desc. node	1348 Dec 07 j 02:26	10° $\text{J}$ 25'59	
	1348 Jan 15 j 12:17	0° $\text{A}$		morning set	1348 Dec 14 j 23:08	22° $\text{J}$ 28'03	
superior conj	1348 Jan 19 j 19:36	7° $\text{A}$ 26'52	-2°03'34		1348 Dec 19 j 18:34	0° $\text{B}$	
minimum elong	1348 Jan 19 j 20:37	7° $\text{A}$ 31'20	2°03'33	max. Earth dist.	1348 Dec 24 j 09:30	7° $\text{B}$ 22'50	1.43279 AU
evening rise	1348 Jan 30 j 11:35	26° $\text{A}$ 46'30		superior conj	1348 Dec 30 j 19:07	17° $\text{B}$ 52'22	-1°59'28
	1348 Feb 01 j 05:33	0° $\text{H}$		minimum elong	1348 Dec 30 j 15:14	17° $\text{B}$ 36'13	1°59'18

	1349 Jan 06 j 22:28	0°♊		max. Earth dist.	1349 Dec 06 j 23:15	21°♊12'42	1.44528 AU
evening rise	1349 Jan 12 j 01:35	8°♊57'33					
	1349 Jan 24 j 13:46	0°♋		superior conj	1349 Dec 10 j 16:11	27°♊06'28	-1°37'07
asc. node	1349 Jan 25 j 08:11	1°♋05'54		minimum elong	1349 Dec 10 j 07:54	26°♊33'19	1°36'22
evening max el	1349 Jan 29 j 08:26	5°♋58'12	18°08'10		1349 Dec 12 j 11:28	0°♌	
retrograde	1349 Feb 04 j 20:43	9°♋22'12		evening rise	1349 Dec 24 j 19:26	20°♌14'49	
evening set	1349 Feb 07 j 15:42	8°♋43'58			1349 Dec 30 j 15:22	0°♍	
inferior conj	1349 Feb 14 j 00:05	3°♋35'53	3°44'07	asc. node	1350 Jan 12 j 05:14	18°♍36'57	
minimum elong	1349 Feb 14 j 00:46	3°♋34'08	3°44'05	evening max el	1350 Jan 12 j 20:55	19°♍18'09	18°22'49
min. Earth dist.	1349 Feb 16 j 21:43	0°♋38'17	0.62173 AU	retrograde	1350 Jan 19 j 08:55	22°♍50'27	
	1349 Feb 17 j 13:35	30°♋		evening set	1350 Jan 22 j 08:56	22°♍01'26	
morning rise	1349 Feb 20 j 08:36	27°♋38'33		inferior conj	1350 Jan 28 j 07:38	16°♍33'59	3°42'46
direct	1349 Feb 27 j 07:10	25°♋06'39		minimum elong	1350 Jan 28 j 06:33	16°♍37'05	3°42'41
desc. node	1349 Mar 05 j 01:39	26°♋38'29		min. Earth dist.	1350 Jan 30 j 14:16	13°♍58'01	0.64037 AU
	1349 Mar 10 j 01:15	0°♌		morning rise	1350 Feb 03 j 03:32	10°♍28'16	
morning max el	1349 Mar 13 j 08:26	3°♌00'38	27°49'00	direct	1350 Feb 10 j 01:09	7°♍39'33	
	1349 Apr 02 j 07:45	0°♍		desc. node	1350 Feb 19 j 22:41	12°♍06'23	
morning set	1349 Apr 15 j 21:01	24°♍59'23		morning max el	1350 Feb 23 j 17:02	15°♍31'37	27°32'14
	1349 Apr 18 j 07:16	0°♎			1350 Mar 07 j 14:18	0°♏	
max. Earth dist.	1349 Apr 21 j 13:51	6°♎57'37	1.32576 AU		1350 Mar 26 j 00:09	0°♐	
				morning set	1350 Mar 30 j 16:25	8°♐57'52	
superior conj	1349 Apr 23 j 08:08	10°♎46'32	0°00'17	max. Earth dist.	1350 Apr 04 j 16:19	19°♐07'30	1.33320 AU
minimum elong	1349 Apr 23 j 08:08	10°♎46'28	0°00'17				
behind sun begin	1349 Apr 23 j 02:59	10°♏18'32		superior conj	1350 Apr 07 j 14:24	25°♐17'25	-0°27'00
behind sun end	1349 Apr 23 j 13:16	11°♏14'25		minimum elong	1350 Apr 07 j 15:44	25°♐24'31	0°26'43
asc. node	1349 Apr 23 j 07:29	10°♏42'58			1350 Apr 09 j 19:10	0°♑	
evening rise	1349 Apr 30 j 06:52	25°♏49'02		asc. node	1350 Apr 10 j 04:31	0°♑50'14	
	1349 May 02 j 06:49	0°♒		evening rise	1350 Apr 14 j 18:23	10°♑36'56	
	1349 May 20 j 03:37	0°♓			1350 Apr 24 j 19:40	0°♒	
evening max el	1349 May 25 j 02:29	5°♓27'59	24°14'51	evening max el	1350 May 06 j 17:15	15°♒58'04	22°38'51
desc. node	1349 Jun 01 j 00:53	10°♓38'13		desc. node	1350 May 18 j 21:56	22°♒27'53	
retrograde	1349 Jun 07 j 22:53	12°♓26'44		retrograde	1350 May 19 j 21:13	22°♒30'01	
evening set	1349 Jun 12 j 13:22	11°♓39'36		evening set	1350 May 23 j 01:18	22°♒07'55	
min. Earth dist.	1349 Jun 18 j 13:27	8°♓41'33	0.56598 AU	min. Earth dist.	1350 May 31 j 01:13	18°♒38'35	0.55337 AU
inferior conj	1349 Jun 21 j 04:03	7°♓03'32	-4°36'56	inferior conj	1350 Jun 01 j 07:55	17°♒54'48	-3°33'38
minimum elong	1349 Jun 20 j 23:20	7°♓10'58	4°36'20	minimum elong	1350 Jun 01 j 00:12	18°♒05'49	3°31'37
morning rise	1349 Jun 29 j 12:01	3°♓01'53		morning rise	1350 Jun 10 j 01:22	14°♒02'34	
direct	1349 Jul 02 j 03:56	2°♓42'58		direct	1350 Jun 12 j 22:19	13°♒43'33	
morning max el	1349 Jul 11 j 18:56	7°♓11'05	19°38'57	morning max el	1350 Jun 24 j 04:27	18°♒57'01	20°56'02
asc. node	1349 Jul 20 j 06:42	18°♓15'43			1350 Jul 02 j 22:57	0°♔	
	1349 Jul 26 j 17:31	0°♕		asc. node	1350 Jul 07 j 03:45	7°♔09'59	
morning set	1349 Jul 29 j 08:50	5°♕14'26		morning set	1350 Jul 13 j 15:58	19°♔56'07	
					1350 Jul 18 j 12:07	0°♖	
superior conj	1349 Aug 06 j 07:42	21°♕14'15	1°46'07				
minimum elong	1349 Aug 06 j 08:00	21°♕15'42	1°46'08	superior conj	1350 Jul 21 j 03:14	5°♖26'37	1°43'32
	1349 Aug 10 j 20:18	0°♗		minimum elong	1350 Jul 21 j 02:02	5°♖20'31	1°43'29
max. Earth dist.	1349 Aug 12 j 06:24	2°♗40'09	1.37478 AU	max. Earth dist.	1350 Jul 25 j 15:08	14°♖30'19	1.35674 AU
evening rise	1349 Aug 16 j 01:15	9°♗34'47		evening rise	1350 Jul 29 j 18:48	22°♖29'49	
desc. node	1349 Aug 28 j 00:10	29°♗31'46			1350 Aug 02 j 21:20	0°♘	
	1349 Aug 28 j 07:26	0°♙		desc. node	1350 Aug 14 j 21:14	19°♘43'25	
	1349 Sep 19 j 23:11	0°♚			1350 Aug 22 j 01:12	0°♙	
evening max el	1349 Sep 20 j 20:32	0°♚53'17	25°21'55	evening max el	1350 Sep 03 j 08:25	14°♙31'00	26°25'14
retrograde	1349 Oct 02 j 21:04	7°♚48'44		retrograde	1350 Sep 16 j 03:23	21°♙42'56	
evening set	1349 Oct 08 j 18:25	5°♚20'23		evening set	1350 Sep 22 j 14:33	19°♙02'45	
min. Earth dist.	1349 Oct 13 j 04:47	0°♚24'51	0.67112 AU	min. Earth dist.	1350 Sep 26 j 17:25	14°♙43'43	0.66265 AU
	1349 Oct 13 j 12:29	30°♛		inferior conj	1350 Sep 28 j 07:20	12°♙48'24	-1°37'46
inferior conj	1349 Oct 14 j 07:08	28°♙59'34	-0°40'18	minimum elong	1350 Sep 28 j 09:54	12°♙40'35	1°36'44
minimum elong	1349 Oct 14 j 08:09	28°♙56'15	0°39'52	asc. node	1350 Oct 03 j 02:57	7°♙45'40	
asc. node	1349 Oct 16 j 05:55	26°♙32'24		morning rise	1350 Oct 04 j 05:44	7°♙01'20	
morning rise	1349 Oct 19 j 22:05	23°♙02'00		direct	1350 Oct 07 j 06:01	6°♙09'59	
direct	1349 Oct 23 j 07:59	21°♙54'45		morning max el	1350 Oct 13 j 23:27	9°♙52'52	18°39'50
morning max el	1349 Oct 30 j 13:10	25°♙59'28	19°28'33		1350 Oct 28 j 06:49	0°♜	
	1349 Nov 03 j 01:30	0°♞		morning set	1350 Nov 03 j 17:30	10°♞14'17	
greatest brilliancy	1349 Nov 13 j 03:54	14°♞17'56	-0.7m	desc. node	1350 Nov 10 j 20:29	21°♞31'40	
	1349 Nov 23 j 09:36	0°♟			1350 Nov 16 j 05:36	0°♟	
morning set	1349 Nov 23 j 21:45	0°♟47'05					
desc. node	1349 Nov 23 j 23:27	0°♟53'38		superior conj	1350 Nov 19 j 19:13	5°♟36'16	-0°57'11

minimum elong	1350 Nov 19 j 12:06	5° $\text{X}$ 08'19	0°56'18			1351 Oct 21 j 03:26	0° $\text{M}$	
max. Earth dist.	1350 Nov 19 j 17:07	5° $\text{X}$ 28'00	1.45087 AU	desc. node		1351 Oct 28 j 17:30	12° $\text{M}$ 15'51	
	1350 Dec 05 j 05:26	0° $\text{Z}$						
evening rise	1350 Dec 05 j 14:06	0° $\text{Z}$ 34'37		superior conj		1351 Oct 30 j 00:09	14° $\text{M}$ 17'57	-0°08'32
greatest brilliancy	1350 Dec 13 j 12:09	13° $\text{Z}$ 13'23	-0.8m	minimum elong		1351 Oct 29 j 23:04	14° $\text{M}$ 13'41	0°08'22
	1350 Dec 24 j 21:41	0° $\approx$		behind sun begin		1351 Oct 29 j 13:43	13° $\text{M}$ 36'27	
evening max el	1350 Dec 27 j 07:27	2° $\approx$ 44'17	18°55'22	behind sun end		1351 Oct 30 j 08:26	14° $\text{M}$ 50'53	
asc. node	1350 Dec 30 j 02:16	5° $\approx$ 08'48		max. Earth dist.		1351 Nov 02 j 11:50	19° $\text{M}$ 49'16	1.44908 AU
retrograde	1351 Jan 03 j 03:12	6° $\approx$ 35'44				1351 Nov 08 j 23:44	0° $\text{X}$	
evening set	1351 Jan 06 j 09:07	5° $\approx$ 34'56		evening rise		1351 Nov 15 j 10:42	10° $\text{X}$ 02'03	
	1351 Jan 11 j 22:02	30° $\text{R}$ $\text{Z}$				1351 Nov 28 j 11:07	0° $\text{Z}$	
inferior conj	1351 Jan 12 j 01:06	29° $\text{Z}$ 50'28	3°25'49	greatest brilliancy		1351 Nov 28 j 11:51	0° $\text{Z}$ 02'44	-0.7m
minimum elong	1351 Jan 11 j 22:54	29° $\text{Z}$ 57'18	3°25'27	evening max el		1351 Dec 10 j 14:03	16° $\text{Z}$ 12'56	19°44'23
min. Earth dist.	1351 Jan 13 j 16:23	27° $\text{Z}$ 48'15	0.65544 AU	asc. node		1351 Dec 16 j 23:17	20° $\text{Z}$ 26'08	
morning rise	1351 Jan 17 j 12:21	23° $\text{Z}$ 39'57		retrograde		1351 Dec 18 j 00:24	20° $\text{Z}$ 32'14	
direct	1351 Jan 24 j 01:59	20° $\text{Z}$ 48'38		evening set		1351 Dec 21 j 13:44	19° $\text{Z}$ 18'13	
morning max el	1351 Feb 06 j 02:57	28° $\text{Z}$ 28'32	26°43'47	inferior conj		1351 Dec 27 j 01:23	13° $\text{Z}$ 19'24	2°57'17
desc. node	1351 Feb 06 j 19:41	29° $\text{Z}$ 11'15		minimum elong		1351 Dec 26 j 22:43	13° $\text{Z}$ 28'11	2°56'38
	1351 Feb 07 j 14:14	0° $\approx$		min. Earth dist.		1351 Dec 28 j 02:28	11° $\text{Z}$ 56'29	0.66658 AU
	1351 Mar 01 j 08:49	0° $\text{X}$		morning rise		1352 Jan 01 j 07:27	7° $\text{Z}$ 06'32	
morning set	1351 Mar 14 j 01:00	22° $\text{X}$ 20'12		direct		1352 Jan 07 j 08:47	4° $\text{Z}$ 24'47	
	1351 Mar 17 j 23:30	0° $\text{Y}$		morning max el		1352 Jan 19 j 11:59	11° $\text{Z}$ 38'11	25°32'01
max. Earth dist.	1351 Mar 18 j 08:14	0° $\text{Y}$ 43'32	1.34510 AU	desc. node		1352 Jan 24 j 16:42	17° $\text{Z}$ 24'43	
						1352 Feb 03 j 05:22	0° $\approx$	
superior conj	1351 Mar 22 j 14:56	9° $\text{Y}$ 26'31	-0°54'34			1352 Feb 22 j 00:56	0° $\text{X}$	
minimum elong	1351 Mar 22 j 17:39	9° $\text{Y}$ 40'33	0°54'03	morning set		1352 Feb 24 j 18:12	4° $\text{X}$ 52'25	
asc. node	1351 Mar 28 j 01:34	20° $\text{Y}$ 50'41		max. Earth dist.		1352 Feb 28 j 12:08	11° $\text{X}$ 49'42	1.36150 AU
evening rise	1351 Mar 30 j 03:52	25° $\text{Y}$ 13'24						
	1351 Apr 01 j 11:47	0° $\text{B}$		superior conj		1352 Mar 05 j 07:03	23° $\text{X}$ 05'46	-1°20'49
evening max el	1351 Apr 18 j 15:16	26° $\text{B}$ 44'58	21°09'00	minimum elong		1352 Mar 05 j 10:51	23° $\text{X}$ 24'48	1°20'15
	1351 Apr 22 j 15:47	0° $\text{II}$				1352 Mar 08 j 17:07	0° $\text{Y}$	
retrograde	1351 Apr 30 j 11:09	2° $\text{II}$ 30'38		evening rise		1352 Mar 13 j 09:10	9° $\text{Y}$ 31'29	
evening set	1351 May 02 j 17:16	2° $\text{II}$ 18'48		asc. node		1352 Mar 13 j 22:36	10° $\text{Y}$ 39'30	
desc. node	1351 May 05 j 18:56	1° $\text{II}$ 27'52				1352 Mar 24 j 12:51	0° $\text{B}$	
	1351 May 09 j 00:53	30° $\text{R}$ $\text{B}$		evening max el		1352 Mar 31 j 00:43	8° $\text{B}$ 08'09	19°54'27
inferior conj	1351 May 12 j 02:02	28° $\text{B}$ 19'54	-1°48'27	retrograde		1352 Apr 10 j 03:03	13° $\text{B}$ 00'04	
minimum elong	1351 May 11 j 20:59	28° $\text{B}$ 27'02	1°46'41	evening set		1352 Apr 12 j 04:09	12° $\text{B}$ 48'59	
min. Earth dist.	1351 May 12 j 13:43	28° $\text{B}$ 03'25	0.54934 AU	inferior conj		1352 Apr 21 j 00:43	8° $\text{B}$ 48'34	0°10'58
morning rise	1351 May 21 j 00:49	24° $\text{B}$ 18'22		minimum elong		1352 Apr 21 j 01:12	8° $\text{B}$ 47'49	0°10'47
direct	1351 May 24 j 08:00	23° $\text{B}$ 54'48		transit middle		1352 Apr 21 j 01:12	8° $\text{B}$ 47'49	0°10'47
morning max el	1351 Jun 06 j 03:22	0° $\text{II}$ 00'55	22°29'52	transit begin		1352 Apr 20 j 22:16	8° $\text{B}$ 52'18	
	1351 Jun 06 j 02:58	0° $\text{II}$		transit end		1352 Apr 21 j 04:07	8° $\text{B}$ 43'21	
asc. node	1351 Jun 24 j 00:47	26° $\text{II}$ 32'15		desc. node		1352 Apr 21 j 15:55	8° $\text{B}$ 25'17	
	1351 Jun 25 j 18:24	0° $\text{E}$		min. Earth dist.		1352 Apr 23 j 03:37	7° $\text{B}$ 31'01	0.55495 AU
morning set	1351 Jun 28 j 02:16	4° $\text{E}$ 47'57		morning rise		1352 Apr 29 j 20:00	4° $\text{B}$ 20'02	
				direct		1352 May 03 j 23:08	3° $\text{B}$ 42'24	
superior conj	1351 Jul 05 j 06:20	20° $\text{E}$ 02'00	1°34'32	morning max el		1352 May 17 j 19:11	10° $\text{B}$ 35'00	24°11'31
minimum elong	1351 Jul 05 j 04:15	19° $\text{E}$ 50'55	1°34'20			1352 Jun 01 j 07:49	0° $\text{II}$	
max. Earth dist.	1351 Jul 08 j 08:28	26° $\text{E}$ 30'23	1.34223 AU	asc. node		1352 Jun 09 j 21:51	16° $\text{II}$ 15'16	
	1351 Jul 10 j 01:21	0° $\text{O}$		morning set		1352 Jun 11 j 14:02	19° $\text{II}$ 44'50	
evening rise	1351 Jul 13 j 03:25	6° $\text{O}$ 09'24				1352 Jun 16 j 08:32	0° $\text{E}$	
	1351 Jul 26 j 12:47	0° $\text{M}$						
desc. node	1351 Aug 01 j 18:16	9° $\text{M}$ 30'52		superior conj		1352 Jun 18 j 14:22	4° $\text{E}$ 52'08	1°20'20
evening max el	1351 Aug 16 j 20:23	27° $\text{M}$ 59'57	27°08'52	minimum elong		1352 Jun 18 j 11:56	4° $\text{E}$ 38'59	1°19'59
	1351 Aug 19 j 01:26	0° $\text{E}$		max. Earth dist.		1352 Jun 20 j 11:02	8° $\text{E}$ 52'49	1.33173 AU
retrograde	1351 Aug 30 j 04:21	5° $\text{E}$ 18'40		evening rise		1352 Jun 25 j 23:00	20° $\text{E}$ 21'55	
evening set	1351 Sep 06 j 02:41	2° $\text{E}$ 34'08				1352 Jun 30 j 21:21	0° $\text{O}$	
	1351 Sep 08 j 21:10	30° $\text{R}$ $\text{M}$		desc. node		1352 Jul 18 j 15:16	28° $\text{O}$ 44'03	
min. Earth dist.	1351 Sep 09 j 22:45	28° $\text{M}$ 51'29	0.65062 AU			1352 Jul 19 j 13:58	0° $\text{M}$	
inferior conj	1351 Sep 12 j 01:08	26° $\text{M}$ 30'22	-2°35'09	evening max el		1352 Jul 29 j 07:14	11° $\text{M}$ 09'22	27°25'52
minimum elong	1351 Sep 12 j 05:10	26° $\text{M}$ 19'03	2°33'41	retrograde		1352 Aug 11 j 23:14	18° $\text{M}$ 27'40	
morning rise	1351 Sep 18 j 08:30	20° $\text{M}$ 56'48		evening set		1352 Aug 19 j 03:45	15° $\text{M}$ 49'32	
asc. node	1351 Sep 19 j 23:59	20° $\text{M}$ 23'38		min. Earth dist.		1352 Aug 22 j 18:56	12° $\text{M}$ 39'48	0.63510 AU
direct	1351 Sep 21 j 01:35	20° $\text{M}$ 17'30		inferior conj		1352 Aug 25 j 10:00	10° $\text{M}$ 00'21	-3°29'25
morning max el	1351 Sep 27 j 14:00	23° $\text{M}$ 47'48	18°07'40	minimum elong		1352 Aug 25 j 15:02	9° $\text{M}$ 47'35	3°27'56
	1351 Oct 02 j 14:05	0° $\text{E}$		morning rise		1352 Sep 01 j 03:29	4° $\text{M}$ 43'28	
morning set	1351 Oct 15 j 18:16	21° $\text{E}$ 07'30		direct		1352 Sep 03 j 15:58	4° $\text{M}$ 12'41	

asc. node	1352 Sep 05 j 21:01	4° $\mathbb{M}$ 36'48		direct	1353 Aug 17 j 21:45	17° $\Omega$ 47'51	
morning max el	1352 Sep 10 j 06:04	7° $\mathbb{M}$ 38'27	17°52'56	asc. node	1353 Aug 23 j 18:05	20° $\Omega$ 16'52	
	1352 Sep 24 j 23:51	0° $\underline{\Omega}$		morning max el	1353 Aug 24 j 20:39	21° $\Omega$ 17'08	17°56'37
morning set	1352 Sep 26 j 20:47	3° $\underline{\Omega}$ 15'28			1353 Aug 31 j 11:20	0° $\mathbb{M}$	
				morning set	1353 Sep 09 j 18:41	16° $\mathbb{M}$ 18'46	
superior conj	1352 Oct 09 j 01:53	24° $\underline{\Omega}$ 03'03	0°36'44		1353 Sep 17 j 08:34	0° $\underline{\Omega}$	
minimum elong	1352 Oct 09 j 05:32	24° $\underline{\Omega}$ 18'08	0°36'13				
	1352 Oct 12 j 17:09	0° $\mathbb{M}$		superior conj	1353 Sep 20 j 06:49	5° $\underline{\Omega}$ 08'08	1°11'09
desc. node	1352 Oct 14 j 14:33	3° $\mathbb{M}$ 03'10		minimum elong	1353 Sep 20 j 11:29	5° $\underline{\Omega}$ 28'23	1°10'36
max. Earth dist.	1352 Oct 15 j 04:52	4° $\mathbb{M}$ 00'33	1.44026 AU	max. Earth dist.	1353 Sep 27 j 17:47	17° $\underline{\Omega}$ 44'45	1.42547 AU
evening rise	1352 Oct 24 j 19:06	19° $\mathbb{M}$ 04'03		desc. node	1353 Oct 01 j 11:35	23° $\underline{\Omega}$ 49'49	
	1352 Oct 31 j 23:14	0° $\mathbb{M}$		evening rise	1353 Oct 04 j 08:04	28° $\underline{\Omega}$ 22'18	
evening max el	1352 Nov 22 j 15:25	29° $\mathbb{M}$ 43'00	20°47'28		1353 Oct 05 j 08:55	0° $\mathbb{M}$	
	1352 Nov 22 j 22:07	0° $\mathbb{Z}$			1353 Oct 25 j 16:43	0° $\mathbb{M}$	
retrograde	1352 Nov 30 j 22:07	4° $\mathbb{Z}$ 36'49		evening max el	1353 Nov 05 j 11:09	13° $\mathbb{M}$ 13'50	22°01'10
asc. node	1352 Dec 02 j 20:17	4° $\mathbb{Z}$ 16'02		retrograde	1353 Nov 14 j 18:35	18° $\mathbb{M}$ 46'07	
evening set	1352 Dec 04 j 20:48	3° $\mathbb{Z}$ 07'49		evening set	1353 Nov 19 j 04:32	17° $\mathbb{M}$ 00'34	
	1352 Dec 07 j 22:46	30° $\mathbb{R}$ $\mathbb{M}$		asc. node	1353 Nov 19 j 17:19	16° $\mathbb{M}$ 33'14	
inferior conj	1352 Dec 10 j 06:01	26° $\mathbb{M}$ 57'36	2°19'57	inferior conj	1353 Nov 24 j 12:55	10° $\mathbb{M}$ 42'15	1°35'42
minimum elong	1352 Dec 10 j 03:27	27° $\mathbb{M}$ 06'22	2°19'08	minimum elong	1353 Nov 24 j 10:55	10° $\mathbb{M}$ 49'12	1°34'56
min. Earth dist.	1352 Dec 10 j 18:26	26° $\mathbb{M}$ 15'08	0.67381 AU	min. Earth dist.	1353 Nov 24 j 13:55	10° $\mathbb{M}$ 38'47	0.67733 AU
morning rise	1352 Dec 15 j 09:54	20° $\mathbb{M}$ 44'24		morning rise	1353 Nov 29 j 17:09	4° $\mathbb{M}$ 30'34	
direct	1352 Dec 20 j 20:39	18° $\mathbb{M}$ 20'35		direct	1353 Dec 04 j 12:44	2° $\mathbb{M}$ 28'57	
morning max el	1352 Dec 31 j 20:15	24° $\mathbb{M}$ 53'37	24°07'04	morning max el	1353 Dec 14 j 06:30	8° $\mathbb{M}$ 14'44	22°38'56
	1353 Jan 05 j 10:57	0° $\mathbb{Z}$		desc. node	1353 Dec 28 j 10:49	26° $\mathbb{M}$ 04'38	
desc. node	1353 Jan 10 j 13:45	6° $\mathbb{Z}$ 27'13			1353 Dec 31 j 04:37	0° $\mathbb{Z}$	
	1353 Jan 26 j 17:13	0° $\approx$		morning set	1354 Jan 17 j 06:56	26° $\mathbb{Z}$ 23'56	
morning set	1353 Feb 05 j 14:10	16° $\approx$ 18'31			1354 Jan 19 j 11:09	0° $\approx$	
max. Earth dist.	1353 Feb 09 j 08:06	22° $\approx$ 54'05	1.38154 AU	max. Earth dist.	1354 Jan 22 j 04:17	4° $\approx$ 34'41	1.40299 AU
	1353 Feb 13 j 05:30	0° $\mathbb{H}$					
superior conj	1353 Feb 16 j 11:17	6° $\mathbb{H}$ 06'11	-1°43'27	superior conj	1354 Jan 29 j 23:12	18° $\approx$ 16'27	-1°59'14
minimum elong	1353 Feb 16 j 15:25	6° $\mathbb{H}$ 25'51	1°43'02	minimum elong	1354 Jan 30 j 02:01	18° $\approx$ 29'15	1°59'07
evening rise	1353 Feb 25 j 07:52	23° $\mathbb{H}$ 24'41			1354 Feb 05 j 07:12	0° $\mathbb{H}$	
asc. node	1353 Feb 28 j 19:38	0° $\mathbb{Y}$ 11'42		evening rise	1354 Feb 08 j 20:59	6° $\mathbb{H}$ 45'37	
	1353 Feb 28 j 17:11	0° $\mathbb{Y}$		asc. node	1354 Feb 15 j 16:40	19° $\mathbb{H}$ 21'27	
evening max el	1353 Mar 13 j 21:14	20° $\mathbb{Y}$ 10'19	18°59'01		1354 Feb 22 j 14:51	0° $\mathbb{Y}$	
retrograde	1353 Mar 22 j 09:19	24° $\mathbb{Y}$ 17'24		evening max el	1354 Feb 25 j 02:12	2° $\mathbb{Y}$ 45'24	18°23'39
evening set	1353 Mar 24 j 14:27	24° $\mathbb{Y}$ 01'49		retrograde	1354 Mar 04 j 10:52	6° $\mathbb{Y}$ 23'45	
inferior conj	1353 Apr 01 j 15:59	19° $\mathbb{Y}$ 46'34	1°52'14	evening set	1354 Mar 06 j 21:40	6° $\mathbb{Y}$ 00'41	
minimum elong	1353 Apr 01 j 19:48	19° $\mathbb{Y}$ 39'50	1°51'05	inferior conj	1354 Mar 14 j 04:31	1° $\mathbb{Y}$ 25'11	3°00'06
min. Earth dist.	1353 Apr 04 j 19:22	17° $\mathbb{Y}$ 34'52	0.56901 AU	minimum elong	1354 Mar 14 j 08:15	1° $\mathbb{Y}$ 17'28	2°59'19
desc. node	1353 Apr 08 j 12:57	15° $\mathbb{Y}$ 21'42			1354 Mar 15 j 21:36	30° $\mathbb{R}$ $\mathbb{H}$	
morning rise	1353 Apr 09 j 22:06	14° $\mathbb{Y}$ 44'23		min. Earth dist.	1354 Mar 17 j 15:02	28° $\mathbb{H}$ 36'31	0.58844 AU
direct	1353 Apr 15 j 03:02	13° $\mathbb{Y}$ 40'04		morning rise	1354 Mar 21 j 16:12	25° $\mathbb{H}$ 54'01	
morning max el	1353 Apr 29 j 09:51	21° $\mathbb{Y}$ 03'53	25°47'04	desc. node	1354 Mar 26 j 10:00	24° $\mathbb{H}$ 19'12	
	1353 May 07 j 03:36	0° $\mathbb{B}$		direct	1354 Mar 27 j 20:14	24° $\mathbb{H}$ 13'51	
	1353 May 24 j 19:30	0° $\mathbb{I}$			1354 Apr 09 j 02:39	0° $\mathbb{Y}$	
morning set	1353 May 27 j 01:36	4° $\mathbb{I}$ 40'46		morning max el	1354 Apr 11 j 04:54	1° $\mathbb{Y}$ 56'07	27°01'06
asc. node	1353 May 27 j 18:54	6° $\mathbb{I}$ 12'17			1354 May 01 j 09:03	0° $\mathbb{B}$	
superior conj	1353 Jun 03 j 01:11	19° $\mathbb{I}$ 49'09	1°01'54	morning set	1354 May 11 j 11:21	19° $\mathbb{B}$ 30'13	
minimum elong	1353 Jun 02 j 22:55	19° $\mathbb{I}$ 36'44	1°01'29	asc. node	1354 May 14 j 15:58	26° $\mathbb{B}$ 18'14	
max. Earth dist.	1353 Jun 03 j 20:19	21° $\mathbb{I}$ 33'58	1.32518 AU		1354 May 16 j 08:43	0° $\mathbb{I}$	
	1353 Jun 07 j 17:50	0° $\mathbb{S}$		superior conj	1354 May 18 j 13:00	4° $\mathbb{I}$ 47'01	0°40'01
evening rise	1353 Jun 10 j 02:10	4° $\mathbb{S}$ 56'15		minimum elong	1354 May 18 j 11:20	4° $\mathbb{I}$ 37'51	0°39'41
	1353 Jun 23 j 13:13	0° $\Omega$		max. Earth dist.	1354 May 18 j 08:46	4° $\mathbb{I}$ 23'42	1.32242 AU
desc. node	1353 Jul 05 j 12:17	17° $\Omega$ 08'02		evening rise	1354 May 25 j 10:22	19° $\mathbb{I}$ 43'52	
evening max el	1353 Jul 11 j 14:21	23° $\Omega$ 44'52	27°11'08		1354 May 30 j 11:47	0° $\mathbb{S}$	
	1353 Jul 20 j 14:42	0° $\mathbb{M}$			1354 Jun 18 j 10:42	0° $\Omega$	
retrograde	1353 Jul 25 j 11:05	0° $\mathbb{M}$ 59'58		desc. node	1354 Jun 22 j 09:17	4° $\Omega$ 22'17	
	1353 Jul 30 j 03:05	30° $\mathbb{R}$ $\Omega$		evening max el	1354 Jun 23 j 15:07	5° $\Omega$ 35'39	26°23'15
evening set	1353 Aug 01 j 13:47	28° $\Omega$ 41'09		retrograde	1354 Jul 07 j 14:49	12° $\Omega$ 47'57	
min. Earth dist.	1353 Aug 05 j 04:34	25° $\Omega$ 55'42	0.61653 AU	evening set	1354 Jul 14 j 04:08	11° $\Omega$ 00'57	
inferior conj	1353 Aug 08 j 06:46	23° $\Omega$ 09'47	-4°15'58	min. Earth dist.	1354 Jul 18 j 04:07	8° $\Omega$ 24'40	0.59609 AU
minimum elong	1353 Aug 08 j 11:40	22° $\Omega$ 58'45	4°14'59	inferior conj	1354 Jul 21 j 11:52	5° $\Omega$ 49'24	-4°47'16
morning rise	1353 Aug 15 j 11:07	18° $\Omega$ 13'02		minimum elong	1354 Jul 21 j 14:40	5° $\Omega$ 43'56	4°47'01
				morning rise	1354 Jul 29 j 03:16	1° $\Omega$ 15'21	


























































































































































































direct	1354 Jul 31 j 14:27	0°♎53'44		morning rise	1355 Jul 11 j 00:06	13°♊37'58	
morning max el	1354 Aug 08 j 06:43	4°♎36'06	18°19'54	direct	1355 Jul 13 j 13:43	13°♊18'34	
asc. node	1354 Aug 10 j 15:10	7°♎09'38		morning max el	1355 Jul 22 j 09:11	17°♊26'13	19°04'01
morning set	1354 Aug 24 j 06:31	0°♎02'08		asc. node	1355 Jul 28 j 12:14	25°♊00'00	
	1354 Aug 24 j 06:04	0°♎			1355 Jul 31 j 14:22	0°♎	
				morning set	1355 Aug 08 j 04:12	14°♎14'53	
superior conj	1354 Sep 02 j 12:09	17°♎25'28	1°33'10		1355 Aug 16 j 04:07	0°♎	
minimum elong	1354 Sep 02 j 15:30	17°♎40'47	1°32'54				
	1354 Sep 09 j 14:01	0°♏		superior conj	1355 Aug 16 j 12:17	0°♎39'20	1°44'05
max. Earth dist.	1354 Sep 10 j 01:09	0°♏47'51	1.40659 AU	minimum elong	1355 Aug 16 j 13:39	0°♎45'55	1°44'03
evening rise	1354 Sep 14 j 16:06	8°♏33'48		max. Earth dist.	1355 Aug 23 j 04:37	13°♎07'42	1.38615 AU
desc. node	1354 Sep 18 j 08:37	14°♏32'27		evening rise	1355 Aug 27 j 00:35	19°♎54'19	
	1354 Sep 28 j 10:37	0°♐			1355 Sep 02 j 00:50	0°♏	
evening max el	1354 Oct 19 j 02:06	26°♐46'11	23°20'38	desc. node	1355 Sep 05 j 05:38	5°♏07'26	
	1354 Oct 22 j 16:36	0°♑			1355 Sep 22 j 13:51	0°♐	
retrograde	1354 Oct 29 j 12:21	2°♑56'36		evening max el	1355 Oct 01 j 14:24	10°♐22'31	24°39'38
evening set	1354 Nov 03 j 11:14	0°♑53'41		retrograde	1355 Oct 13 j 02:20	17°♐05'01	
	1354 Nov 04 j 10:33	30°♑		evening set	1355 Oct 18 j 15:17	14°♐45'22	
asc. node	1354 Nov 06 j 14:23	27°♐31'27		min. Earth dist.	1355 Oct 23 j 06:07	9°♐29'24	0.67430 AU
inferior conj	1354 Nov 08 j 20:14	24°♐30'59	0°45'57	inferior conj	1355 Oct 24 j 02:15	8°♐22'25	-0°07'56
minimum elong	1354 Nov 08 j 19:10	24°♐34'38	0°45'30	minimum elong	1355 Oct 24 j 02:26	8°♐21'46	0°07'51
min. Earth dist.	1354 Nov 08 j 10:35	25°♐04'05	0.67744 AU	transit middle	1355 Oct 24 j 02:26	8°♐21'46	0°07'51
morning rise	1354 Nov 14 j 03:04	18°♐22'48		transit begin	1355 Oct 24 j 00:02	8°♐29'48	
direct	1354 Nov 18 j 08:11	16°♐44'02		transit end	1355 Oct 24 j 04:51	8°♐13'46	
morning max el	1354 Nov 26 j 22:09	21°♐44'21	21°15'50	asc. node	1355 Oct 24 j 11:26	7°♐51'53	
	1354 Dec 03 j 21:50	0°♑		morning rise	1355 Oct 29 j 13:41	2°♐20'04	
desc. node	1354 Dec 15 j 07:51	16°♑06'39		direct	1355 Nov 02 j 05:57	1°♐02'16	
	1354 Dec 24 j 11:55	0°♒		morning max el	1355 Nov 09 j 21:20	5°♐24'47	20°03'40
morning set	1354 Dec 27 j 19:09	5°♒09'11			1355 Nov 27 j 23:03	0°♑	
max. Earth dist.	1355 Jan 04 j 06:15	17°♒08'16	1.42295 AU	desc. node	1355 Dec 02 j 04:53	6°♑26'42	
				morning set	1355 Dec 06 j 15:29	13°♑16'20	
superior conj	1355 Jan 11 j 13:20	29°♒22'40	-2°03'50		1355 Dec 17 j 07:24	0°♒	
minimum elong	1355 Jan 11 j 12:29	29°♒19'03	2°03'50	max. Earth dist.	1355 Dec 17 j 15:27	0°♒32'06	1.43879 AU
	1355 Jan 11 j 22:01	0°♓					
evening rise	1355 Jan 22 j 20:39	19°♓24'43		superior conj	1355 Dec 23 j 01:24	9°♒16'52	-1°52'21
	1355 Jan 28 j 18:21	0°♔		minimum elong	1355 Dec 22 j 19:17	8°♒51'54	1°51'58
asc. node	1355 Feb 02 j 13:43	8°♔00'36			1356 Jan 04 j 09:26	0°♓	
evening max el	1355 Feb 08 j 12:25	15°♔43'54	18°08'13	evening rise	1356 Jan 05 j 02:37	1°♓13'51	
retrograde	1355 Feb 15 j 05:16	19°♔09'18		asc. node	1356 Jan 20 j 10:45	25°♓59'58	
evening set	1355 Feb 17 j 21:17	18°♔37'03		evening max el	1356 Jan 23 j 00:53	28°♓58'13	18°12'09
inferior conj	1355 Feb 24 j 12:47	13°♔40'44	3°35'39		1356 Jan 24 j 03:21	0°♔	
minimum elong	1355 Feb 24 j 14:40	13°♔36'13	3°35'27	retrograde	1356 Jan 29 j 12:08	2°♔24'26	
min. Earth dist.	1355 Feb 27 j 17:25	10°♔39'13	0.60975 AU	evening set	1356 Feb 01 j 09:06	1°♔41'53	
morning rise	1355 Mar 03 j 06:18	7°♔50'13			1356 Feb 03 j 21:59	30°♔	
direct	1355 Mar 10 j 00:56	5°♔34'27		inferior conj	1356 Feb 07 j 12:59	26°♔25'35	3°45'45
desc. node	1355 Mar 13 j 07:02	6°♔03'35		minimum elong	1356 Feb 07 j 12:51	26°♔25'57	3°45'44
morning max el	1355 Mar 24 j 06:17	13°♔27'00	27°42'12	min. Earth dist.	1356 Feb 10 j 04:36	23°♔34'50	0.63002 AU
	1355 Apr 06 j 11:46	0°♕		morning rise	1356 Feb 13 j 15:38	20°♔23'58	
	1355 Apr 23 j 16:56	0°♖		direct	1356 Feb 20 j 14:51	17°♔42'46	
morning set	1355 Apr 25 j 17:23	4°♖06'01		desc. node	1356 Feb 28 j 04:05	20°♔19'54	
asc. node	1355 May 01 j 13:02	16°♖27'55		morning max el	1356 Mar 05 j 12:49	25°♔37'49	27°46'04
max. Earth dist.	1355 May 01 j 20:18	17°♖07'35	1.32340 AU		1356 Mar 09 j 13:45	0°♔	
					1356 Mar 29 j 23:16	0°♕	
superior conj	1355 May 03 j 00:04	19°♖39'12	0°15'24	morning set	1356 Apr 08 j 17:27	18°♕20'51	
minimum elong	1355 May 02 j 23:22	19°♖35'22	0°15'16	max. Earth dist.	1356 Apr 14 j 03:02	29°♕32'31	1.32838 AU
behind sun begin	1355 May 02 j 22:00	19°♖27'52			1356 Apr 14 j 08:12	0°♖	
behind sun end	1355 May 03 j 00:44	19°♖42'52					
	1355 May 07 j 17:42	0°♗		superior conj	1356 Apr 16 j 08:39	4°♖19'58	-0°11'10
evening rise	1355 May 09 j 21:20	4°♗36'40		minimum elong	1356 Apr 16 j 09:11	4°♖22'52	0°11'03
	1355 May 23 j 09:50	0°♘		behind sun begin	1356 Apr 16 j 05:24	4°♖02'24	
evening max el	1355 Jun 05 j 08:48	16°♘40'38	25°07'05	behind sun end	1356 Apr 16 j 12:59	4°♖43'21	
desc. node	1355 Jun 09 j 06:18	19°♘58'20		asc. node	1356 Apr 17 j 10:04	6°♖37'21	
retrograde	1355 Jun 19 j 08:49	23°♘47'54		evening rise	1356 Apr 23 j 09:11	19°♖28'17	
evening set	1355 Jun 24 j 19:11	22°♘39'55			1356 Apr 28 j 13:06	0°♗	
min. Earth dist.	1355 Jun 29 j 20:27	19°♘54'08	0.57601 AU	evening max el	1356 May 16 j 22:51	27°♗16'04	23°34'05
inferior conj	1355 Jul 02 j 22:00	17°♘49'48	-4°51'53		1356 May 20 j 02:37	0°♘	
minimum elong	1355 Jul 02 j 20:19	17°♘52'41	4°51'49	desc. node	1356 May 26 j 03:20	3°♘20'44	

retrograde	1356 May 30 j 14:36	4°☿06'08		retrograde	1357 May 11 j 08:07	14°♊04'57	
evening set	1356 Jun 03 j 13:25	3°☿31'50		desc. node	1357 May 13 j 00:21	13°♊58'38	
min. Earth dist.	1356 Jun 10 j 09:16	0°☿21'40	0.55969 AU	evening set	1357 May 14 j 00:46	13°♊48'49	
	1356 Jun 10 j 23:54	30°♊		inferior conj	1357 May 23 j 10:23	9°♊43'55	-2°53'02
inferior conj	1356 Jun 12 j 12:01	29°♊05'44	-4°16'03	minimum elong	1357 May 23 j 03:06	9°♊54'08	2°50'48
minimum elong	1356 Jun 12 j 05:29	29°♊15'34	4°14'49	min. Earth dist.	1357 May 22 j 21:17	10°♊02'16	0.55052 AU
morning rise	1356 Jun 21 j 00:13	25°♊09'36		morning rise	1357 Jun 01 j 06:49	5°♊50'02	
direct	1356 Jun 23 j 17:45	24°♊51'02		direct	1357 Jun 04 j 07:25	5°♊29'41	
morning max el	1356 Jul 04 j 01:19	29°♊37'39	20°09'20	morning max el	1357 Jun 16 j 06:01	11°♊05'30	21°34'10
	1356 Jul 04 j 10:46	0°☿			1357 Jun 29 j 19:20	0°☿	
asc. node	1356 Jul 14 j 09:17	13°☿34'21		asc. node	1357 Jul 01 j 06:20	2°☿42'13	
morning set	1356 Jul 22 j 08:36	28°☿48'06		morning set	1357 Jul 06 j 17:21	13°☿35'34	
	1356 Jul 22 j 22:43	0°♊					
superior conj	1356 Jul 30 j 01:56	14°♊33'59	1°45'54	superior conj	1357 Jul 14 j 01:05	28°☿57'47	1°40'26
minimum elong	1356 Jul 30 j 01:32	14°♊31'57	1°45'54	minimum elong	1357 Jul 13 j 23:26	28°☿49'13	1°40'19
max. Earth dist.	1356 Aug 04 j 09:42	25°♊01'15	1.36672 AU		1357 Jul 14 j 13:02	0°♊	
	1356 Aug 07 j 01:13	0°♊		max. Earth dist.	1357 Jul 17 j 22:10	6°♊55'22	1.35017 AU
evening rise	1356 Aug 08 j 07:24	2°♊18'44		evening rise	1357 Jul 22 j 08:00	15°♊35'11	
desc. node	1356 Aug 22 j 02:39	25°♊29'25			1357 Jul 30 j 06:48	0°♊	
	1356 Aug 25 j 02:15	0°♊		desc. node	1357 Aug 08 j 23:41	15°♊32'09	
evening max el	1356 Sep 13 j 02:16	24°♊01'44	25°50'53		1357 Aug 19 j 15:25	0°♊	
	1356 Sep 21 j 01:24	0°♊		evening max el	1357 Aug 26 j 14:32	7°♊38'10	26°46'37
retrograde	1356 Sep 25 j 11:37	1°♊05'48		retrograde	1357 Sep 08 j 15:33	14°♊53'10	
	1356 Sep 29 j 12:53	30°♊		evening set	1357 Sep 15 j 07:53	12°♊10'21	
evening set	1356 Oct 01 j 14:52	28°♊32'01		min. Earth dist.	1357 Sep 19 j 07:53	8°♊06'45	0.65804 AU
min. Earth dist.	1356 Oct 05 j 22:01	23°♊51'35	0.66789 AU	inferior conj	1357 Sep 21 j 02:54	6°♊00'10	-2°02'16
inferior conj	1356 Oct 07 j 05:07	22°♊13'15	-1°04'34	minimum elong	1357 Sep 21 j 06:07	5°♊50'41	2°01'00
minimum elong	1356 Oct 07 j 06:47	22°♊07'58	1°03'52	morning rise	1357 Sep 27 j 04:55	0°♊18'12	
asc. node	1356 Oct 10 j 08:29	18°♊30'40		asc. node	1357 Sep 27 j 05:30	0°♊17'26	
morning rise	1356 Oct 12 j 23:01	16°♊19'30			1357 Sep 27 j 20:23	30°♊	
direct	1356 Oct 16 j 04:30	15°♊19'28		direct	1357 Sep 30 j 01:56	29°♊32'16	
morning max el	1356 Oct 23 j 03:54	19°♊13'59	19°05'47		1357 Oct 02 j 08:15	0°♊	
	1356 Oct 31 j 13:26	0°♊		morning max el	1357 Oct 06 j 16:15	3°♊08'32	18°23'59
morning set	1356 Nov 14 j 20:53	21°♊58'06			1357 Oct 24 j 22:39	0°♊	
desc. node	1356 Nov 18 j 01:54	26°♊59'06		morning set	1357 Oct 26 j 04:55	2°♊02'22	
	1356 Nov 20 j 00:10	0°♊		desc. node	1357 Nov 04 j 22:56	17°♊40'07	
max. Earth dist.	1356 Nov 29 j 06:52	14°♊33'17	1.44855 AU				
superior conj	1356 Dec 01 j 12:56	18°♊06'39	-1°21'59	superior conj	1357 Nov 10 j 13:53	26°♊33'12	-0°36'50
minimum elong	1356 Dec 01 j 04:16	17°♊32'24	1°21'04	minimum elong	1357 Nov 10 j 09:06	26°♊14'22	0°36'11
	1356 Dec 08 j 23:55	0°♊		max. Earth dist.	1357 Nov 12 j 01:51	28°♊54'37	1.45110 AU
evening rise	1356 Dec 16 j 10:40	12°♊05'45			1357 Nov 12 j 18:29	0°♊	
	1356 Dec 27 j 10:55	0°♊		evening rise	1357 Nov 26 j 19:19	22°♊01'20	
evening max el	1357 Jan 05 j 12:51	12°♊21'20	18°34'38		1357 Dec 01 j 21:03	0°♊	
asc. node	1357 Jan 06 j 07:46	13°♊07'25		greatest brilliancy	1357 Dec 07 j 03:59	8°♊15'32	-0.8m
retrograde	1357 Jan 12 j 03:09	16°♊00'15		evening max el	1357 Dec 19 j 21:56	25°♊48'45	19°14'23
evening set	1357 Jan 15 j 05:35	15°♊06'20		asc. node	1357 Dec 24 j 04:47	29°♊09'18	
inferior conj	1357 Jan 21 j 01:07	9°♊31'39	3°37'10	retrograde	1357 Dec 26 j 22:56	29°♊50'42	
minimum elong	1357 Jan 20 j 23:29	9°♊36'32	3°36'59	evening set	1357 Dec 30 j 07:55	28°♊44'16	
min. Earth dist.	1357 Jan 23 j 01:14	7°♊08'51	0.64727 AU	inferior conj	1358 Jan 04 j 21:46	22°♊53'18	3°14'54
morning rise	1357 Jan 26 j 16:54	3°♊23'45		minimum elong	1358 Jan 04 j 19:18	23°♊01'12	3°14'25
direct	1357 Feb 02 j 12:00	0°♊32'01		min. Earth dist.	1358 Jan 06 j 06:46	21°♊07'43	0.66069 AU
desc. node	1357 Feb 14 j 01:06	6°♊32'28		morning rise	1358 Jan 10 j 06:27	16°♊41'49	
morning max el	1357 Feb 15 j 22:02	8°♊20'16	27°15'02	direct	1358 Jan 16 j 15:18	13°♊53'29	
	1357 Mar 04 j 18:34	0°♊		morning max el	1358 Jan 29 j 07:35	21°♊23'05	26°15'37
	1357 Mar 22 j 06:46	0°♊		desc. node	1358 Jan 31 j 22:07	24°♊09'00	
morning set	1357 Mar 23 j 08:44	2°♊05'32			1358 Feb 05 j 19:46	0°♊	
max. Earth dist.	1357 Mar 28 j 01:11	11°♊27'51	1.33765 AU	morning set	1358 Feb 25 j 23:14	0°♊	
				max. Earth dist.	1358 Mar 06 j 11:21	15°♊07'47	
superior conj	1357 Mar 31 j 12:48	18°♊43'01	-0°38'43		1358 Mar 10 j 12:03	22°♊49'51	1.35153 AU
minimum elong	1357 Mar 31 j 14:43	18°♊53'10	0°38'19		1358 Mar 14 j 02:33	0°♊	
asc. node	1357 Apr 04 j 07:06	26°♊42'34		superior conj	1358 Mar 15 j 10:06	2°♊40'15	-1°05'58
	1357 Apr 05 j 20:13	0°♊		minimum elong	1358 Mar 15 j 13:20	2°♊56'47	1°05'24
evening rise	1357 Apr 07 j 20:04	4°♊12'29		asc. node	1358 Mar 22 j 04:07	16°♊38'35	
	1357 Apr 22 j 02:26	0°♊		evening rise	1358 Mar 23 j 04:02	18°♊42'00	
evening max el	1357 Apr 28 j 16:11	7°♊51'28	21°59'19		1358 Mar 28 j 20:49	0°♊	
				evening max el	1358 Apr 10 j 18:49	18°♊52'12	20°35'09

retrograde	1358 Apr 21 j 21:07	24°♄14'54		asc. node	1359 Mar 09 j 01:09	6°♃20'59	
evening set	1358 Apr 23 j 23:39	24°♄04'05			1359 Mar 23 j 20:22	0°♄	
desc. node	1358 Apr 29 j 21:22	21°♄56'05		evening max el	1359 Mar 24 j 09:02	0°♄31'25	19°28'25
inferior conj	1358 May 03 j 04:35	20°♄06'20	-0°57'27	retrograde	1359 Apr 02 j 18:22	5°♄03'10	
minimum elong	1358 May 03 j 01:51	20°♄10'16	0°56'28	evening set	1359 Apr 04 j 20:27	4°♄50'43	
min. Earth dist.	1358 May 04 j 09:58	19°♄23'59	0.55057 AU	inferior conj	1359 Apr 13 j 09:12	0°♄44'48	0°57'29
morning rise	1358 May 12 j 03:13	15°♄55'34		minimum elong	1359 Apr 13 j 11:33	0°♄40'59	0°56'41
direct	1358 May 15 j 17:49	15°♄27'30			1359 Apr 14 j 12:48	30°♄	
morning max el	1358 May 29 j 01:12	21°♄53'59	23°12'51	min. Earth dist.	1359 Apr 16 j 00:29	29°♃02'54	0.56000 AU
	1358 Jun 05 j 02:02	0°♄		desc. node	1359 Apr 16 j 18:22	28°♃35'18	
asc. node	1358 Jun 18 j 03:22	22°♄14'17		morning rise	1359 Apr 21 j 23:53	26°♃01'49	
morning set	1358 Jun 21 j 04:31	28°♄30'34		direct	1359 Apr 26 j 13:24	25°♃14'40	
	1358 Jun 21 j 21:29	0°♄			1359 May 07 j 23:00	0°♄	
				morning max el	1359 May 10 j 15:57	2°♄22'32	24°53'55
superior conj	1358 Jun 28 j 06:35	13°♄40'24	1°29'05		1359 May 29 j 22:56	0°♄	
minimum elong	1358 Jun 28 j 04:17	13°♄28'05	1°28'49	asc. node	1359 Jun 05 j 00:26	12°♄03'43	
max. Earth dist.	1358 Jun 30 j 19:52	19°♄05'50	1.33734 AU	morning set	1359 Jun 05 j 16:24	13°♄27'36	
evening rise	1358 Jul 05 j 21:44	29°♄30'04					
	1358 Jul 06 j 03:47	0°♄		superior conj	1359 Jun 12 j 16:03	28°♄34'06	1°12'59
	1358 Jul 23 j 08:44	0°♄		minimum elong	1359 Jun 12 j 13:38	28°♄20'56	1°12'36
desc. node	1358 Jul 26 j 20:43	5°♄06'33			1359 Jun 13 j 07:50	0°♄	
evening max el	1358 Aug 09 j 02:18	21°♄00'22	27°19'33	max. Earth dist.	1359 Jun 14 j 01:37	1°♄36'29	1.32845 AU
retrograde	1358 Aug 22 j 13:46	28°♄18'50		evening rise	1359 Jun 19 j 20:53	13°♄52'29	
evening set	1358 Aug 29 j 15:43	25°♄35'27			1359 Jun 28 j 06:07	0°♄	
min. Earth dist.	1358 Sep 02 j 09:24	22°♄07'41	0.64453 AU	desc. node	1359 Jul 13 j 17:44	24°♄00'48	
inferior conj	1358 Sep 04 j 17:14	19°♄37'44	-2°58'45		1359 Jul 18 j 16:27	0°♄	
minimum elong	1358 Sep 04 j 21:47	19°♄25'30	2°57'13	evening max el	1359 Jul 22 j 11:39	3°♄55'55	27°23'31
morning rise	1358 Sep 11 j 04:48	14°♄10'59		retrograde	1359 Aug 05 j 05:56	11°♄13'32	
direct	1358 Sep 13 j 19:43	13°♄35'37		evening set	1359 Aug 12 j 10:58	8°♄41'32	
asc. node	1358 Sep 14 j 02:32	13°♄36'02		min. Earth dist.	1359 Aug 16 j 01:00	5°♄43'53	0.62756 AU
morning max el	1358 Sep 20 j 07:50	17°♄02'35	17°59'13	inferior conj	1359 Aug 18 j 21:21	2°♄59'35	-3°50'28
	1358 Sep 29 j 16:07	0°♄		minimum elong	1359 Aug 19 j 02:31	2°♄47'07	3°49'09
morning set	1358 Oct 07 j 17:24	13°♄29'58			1359 Aug 22 j 05:17	30°♄	
	1358 Oct 17 j 14:52	0°♄		morning rise	1359 Aug 25 j 19:28	27°♄51'14	
				direct	1359 Aug 28 j 06:47	27°♄23'14	
superior conj	1358 Oct 21 j 02:02	5°♄37'35	0°11'43	asc. node	1359 Aug 31 j 23:37	28°♄27'32	
minimum elong	1358 Oct 21 j 03:24	5°♄43'06	0°11'31		1359 Sep 03 j 02:31	0°♄	
behind sun begin	1358 Oct 20 j 20:02	5°♄13'26		morning max el	1359 Sep 03 j 23:43	0°♄49'20	17°52'11
behind sun end	1358 Oct 21 j 10:45	6°♄12'44		morning set	1359 Sep 20 j 04:53	26°♄03'11	
desc. node	1358 Oct 22 j 20:00	8°♄26'13			1359 Sep 22 j 10:16	0°♄	
max. Earth dist.	1358 Oct 25 j 20:42	13°♄15'45	1.44618 AU				
	1358 Nov 05 j 13:51	0°♄		superior conj	1359 Oct 01 j 15:19	15°♄56'52	0°52'51
evening rise	1358 Nov 06 j 09:06	1°♄14'14		minimum elong	1359 Oct 01 j 19:49	16°♄15'47	0°52'15
greatest brilliancy	1358 Nov 20 j 14:53	22°♄49'23	-0.6m	max. Earth dist.	1359 Oct 08 j 11:59	27°♄16'26	1.43456 AU
	1358 Nov 25 j 14:48	0°♄		desc. node	1359 Oct 09 j 17:02	29°♄13'31	
evening max el	1358 Dec 03 j 02:24	9°♄18'04	20°09'38		1359 Oct 10 j 04:37	0°♄	
retrograde	1358 Dec 10 j 20:42	13°♄51'30		evening rise	1359 Oct 16 j 17:11	10°♄17'03	
asc. node	1358 Dec 11 j 01:48	13°♄51'14			1359 Oct 29 j 18:39	0°♄	
evening set	1358 Dec 14 j 13:50	12°♄31'08		evening max el	1359 Nov 16 j 01:13	22°♄47'43	21°17'45
inferior conj	1358 Dec 20 j 00:11	6°♄26'49	2°42'24	retrograde	1359 Nov 24 j 18:14	27°♄58'17	
minimum elong	1358 Dec 19 j 21:31	6°♄35'50	2°41'39	asc. node	1359 Nov 27 j 22:51	27°♄01'29	
min. Earth dist.	1358 Dec 20 j 19:37	5°♄21'27	0.67009 AU	evening set	1359 Nov 28 j 21:24	26°♄22'28	
morning rise	1358 Dec 25 j 05:00	0°♄13'35		inferior conj	1359 Dec 04 j 06:03	20°♄08'08	2°01'57
	1358 Dec 25 j 11:09	30°♄		minimum elong	1359 Dec 04 j 03:40	20°♄16'20	2°01'06
direct	1358 Dec 31 j 00:09	27°♄39'02		min. Earth dist.	1359 Dec 04 j 13:28	19°♄42'32	0.67569 AU
	1359 Jan 06 j 07:32	0°♄		morning rise	1359 Dec 09 j 09:47	13°♄55'06	
morning max el	1359 Jan 11 j 16:20	4°♄36'36	24°57'00	direct	1359 Dec 14 j 13:57	11°♄40'30	
desc. node	1359 Jan 18 j 19:10	12°♄45'31		morning max el	1359 Dec 25 j 01:09	17°♄54'33	23°29'23
	1359 Jan 31 j 05:08	0°♄			1360 Jan 04 j 03:25	0°♄	
morning set	1359 Feb 16 j 20:18	27°♄13'54		desc. node	1360 Jan 05 j 16:13	2°♄04'09	
	1359 Feb 18 j 09:19	0°♄			1360 Jan 24 j 07:38	0°♄	
max. Earth dist.	1359 Feb 20 j 12:12	3°♄52'40	1.36967 AU	morning set	1360 Jan 29 j 05:19	8°♄06'57	
				max. Earth dist.	1360 Feb 02 j 06:57	15°♄06'49	1.39062 AU
superior conj	1359 Feb 26 j 21:37	16°♄03'54	-1°31'02				
minimum elong	1359 Feb 27 j 01:42	16°♄23'56	1°30'30	superior conj	1360 Feb 09 j 19:27	28°♄43'44	-1°51'15
	1359 Mar 05 j 20:58	0°♄		minimum elong	1360 Feb 09 j 23:16	29°♄01'34	1°50'56
evening rise	1359 Mar 07 j 06:54	2°♄50'28			1360 Feb 10 j 11:45	0°♄	

evening rise	1360 Feb 19 j 01:54	16° $\text{H}$ 30'19			1361 Feb 01 j 15:22	0° $\text{H}$	
asc. node	1360 Feb 23 j 22:12	25° $\text{H}$ 44'06		asc. node	1361 Feb 09 j 19:14	14° $\text{H}$ 41'31	
	1360 Feb 26 j 07:00	0° $\text{Y}$		evening max el	1361 Feb 17 j 17:08	25° $\text{H}$ 34'11	18°14'44
evening max el	1360 Mar 06 j 09:29	12° $\text{Y}$ 48'01	18°41'32	retrograde	1361 Feb 24 j 17:32	29° $\text{H}$ 04'45	
retrograde	1360 Mar 14 j 08:37	16° $\text{Y}$ 40'53		evening set	1361 Feb 27 j 06:44	28° $\text{H}$ 37'51	
evening set	1360 Mar 16 j 16:01	16° $\text{Y}$ 22'31		inferior conj	1361 Mar 06 j 06:36	23° $\text{H}$ 53'40	3°18'46
inferior conj	1360 Mar 24 j 09:21	11° $\text{Y}$ 59'17	2°25'17	minimum elong	1361 Mar 06 j 09:39	23° $\text{H}$ 46'57	3°18'15
minimum elong	1360 Mar 24 j 13:28	11° $\text{Y}$ 51'30	2°24'12	min. Earth dist.	1361 Mar 09 j 16:03	20° $\text{H}$ 56'19	0.59752 AU
min. Earth dist.	1360 Mar 27 j 17:53	9° $\text{Y}$ 28'50	0.57677 AU	morning rise	1361 Mar 13 j 10:18	18° $\text{H}$ 13'22	
morning rise	1360 Apr 01 j 07:50	6° $\text{Y}$ 43'20		direct	1361 Mar 19 j 22:04	16° $\text{H}$ 17'00	
desc. node	1360 Apr 02 j 15:23	6° $\text{Y}$ 11'05		desc. node	1361 Mar 20 j 12:26	16° $\text{H}$ 17'58	
direct	1360 Apr 06 j 23:22	5° $\text{Y}$ 24'11		morning max el	1361 Apr 03 j 05:25	24° $\text{H}$ 04'24	27°23'03
morning max el	1360 Apr 21 j 08:02	12° $\text{Y}$ 58'12	26°22'04		1361 Apr 08 j 14:17	0° $\text{Y}$	
	1360 May 04 j 17:13	0° $\text{B}$			1361 Apr 27 j 21:19	0° $\text{B}$	
morning set	1360 May 20 j 03:25	28° $\text{B}$ 21'13		morning set	1361 May 04 j 11:45	13° $\text{B}$ 04'58	
	1360 May 20 j 22:07	0° $\text{II}$		asc. node	1361 May 08 j 18:33	22° $\text{B}$ 12'30	
asc. node	1360 May 21 j 21:31	2° $\text{II}$ 04'54		max. Earth dist.	1361 May 11 j 00:52	27° $\text{B}$ 09'18	1.32231 AU
superior conj	1360 May 27 j 03:32	13° $\text{II}$ 32'14	0°53'00	superior conj	1361 May 11 j 15:12	28° $\text{B}$ 28'02	0°29'52
minimum elong	1360 May 27 j 01:28	13° $\text{II}$ 20'55	0°52'37	minimum elong	1361 May 11 j 13:54	28° $\text{B}$ 20'55	0°29'36
max. Earth dist.	1360 May 27 j 12:28	14° $\text{II}$ 21'23	1.32344 AU		1361 May 12 j 07:55	0° $\text{II}$	
evening rise	1360 Jun 03 j 02:28	28° $\text{II}$ 33'14		evening rise	1361 May 18 j 12:04	13° $\text{II}$ 23'38	
	1360 Jun 03 j 19:10	0° $\text{E}$			1361 May 26 j 21:34	0° $\text{E}$	
	1360 Jun 20 j 13:19	0° $\text{O}$		evening max el	1361 Jun 15 j 14:11	27° $\text{E}$ 44'41	25°54'01
desc. node	1360 Jun 29 j 14:43	11° $\text{O}$ 58'21		desc. node	1361 Jun 16 j 11:45	28° $\text{E}$ 34'50	
evening max el	1360 Jul 03 j 16:17	16° $\text{O}$ 13'31	26°54'48		1361 Jun 18 j 03:26	0° $\text{O}$	
retrograde	1360 Jul 17 j 14:56	23° $\text{O}$ 28'14		retrograde	1361 Jun 29 j 14:44	4° $\text{O}$ 55'05	
evening set	1360 Jul 24 j 13:20	21° $\text{O}$ 21'35		evening set	1361 Jul 05 j 17:59	3° $\text{O}$ 24'49	
min. Earth dist.	1360 Jul 28 j 06:25	18° $\text{O}$ 42'03	0.60788 AU	min. Earth dist.	1361 Jul 10 j 02:41	0° $\text{O}$ 46'29	0.58726 AU
inferior conj	1360 Jul 31 j 11:58	15° $\text{O}$ 58'05	-4°31'44		1361 Jul 11 j 04:32	30° $\text{R}$ $\text{E}$	
minimum elong	1360 Jul 31 j 16:17	15° $\text{O}$ 48'55	4°31'04	inferior conj	1361 Jul 13 j 09:22	28° $\text{E}$ 22'12	-4°53'22
morning rise	1360 Aug 07 j 21:03	11° $\text{O}$ 10'50		minimum elong	1361 Jul 13 j 10:31	28° $\text{E}$ 20'05	4°53'20
direct	1360 Aug 10 j 07:27	10° $\text{O}$ 47'32		morning rise	1361 Jul 21 j 05:19	23° $\text{E}$ 57'32	
morning max el	1360 Aug 17 j 12:52	14° $\text{O}$ 21'27	18°04'01	direct	1361 Jul 23 j 17:21	23° $\text{E}$ 36'57	
asc. node	1360 Aug 17 j 20:43	14° $\text{O}$ 40'50		morning max el	1361 Jul 31 j 20:00	27° $\text{E}$ 28'51	18°36'02
	1360 Aug 28 j 06:00	0° $\text{M}$			1361 Aug 03 j 04:14	0° $\text{O}$	
morning set	1360 Sep 02 j 09:23	9° $\text{M}$ 25'41		asc. node	1361 Aug 04 j 17:47	1° $\text{O}$ 59'34	
				morning set	1361 Aug 17 j 01:53	23° $\text{O}$ 22'54	
superior conj	1360 Sep 12 j 07:21	27° $\text{M}$ 35'04	1°21'55		1361 Aug 20 j 11:47	0° $\text{M}$	
minimum elong	1360 Sep 12 j 11:38	27° $\text{M}$ 54'04	1°21'30	superior conj	1361 Aug 25 j 21:22	10° $\text{M}$ 18'07	1°39'01
	1360 Sep 13 j 16:09	0° $\text{A}$		minimum elong	1361 Aug 25 j 23:53	10° $\text{M}$ 29'55	1°38'52
max. Earth dist.	1360 Sep 19 j 22:07	10° $\text{A}$ 43'00	1.41781 AU	max. Earth dist.	1361 Sep 02 j 03:38	23° $\text{M}$ 27'48	1.39800 AU
evening rise	1360 Sep 25 j 13:06	19° $\text{A}$ 55'25			1361 Sep 05 j 22:54	0° $\text{A}$	
desc. node	1360 Sep 25 j 14:04	19° $\text{A}$ 59'17		evening rise	1361 Sep 06 j 07:30	0° $\text{A}$ 36'15	
	1360 Oct 01 j 23:22	0° $\text{M}$		desc. node	1361 Sep 12 j 11:06	10° $\text{A}$ 39'15	
	1360 Oct 23 j 05:02	0° $\text{J}$			1361 Sep 25 j 08:49	0° $\text{M}$	
evening max el	1360 Oct 28 j 18:46	6° $\text{J}$ 19'21	22°34'35	evening max el	1361 Oct 11 j 08:32	19° $\text{M}$ 54'06	23°54'40
retrograde	1360 Nov 07 j 13:43	12° $\text{J}$ 08'24		retrograde	1361 Oct 22 j 05:52	26° $\text{M}$ 18'25	
evening set	1360 Nov 12 j 04:53	10° $\text{J}$ 15'46		evening set	1361 Oct 27 j 10:40	24° $\text{M}$ 08'24	
asc. node	1360 Nov 13 j 19:55	8° $\text{J}$ 42'06		asc. node	1361 Oct 31 j 16:58	19° $\text{M}$ 17'58	
inferior conj	1360 Nov 17 j 13:23	3° $\text{J}$ 55'09	1°15'13	inferior conj	1361 Nov 01 j 20:22	17° $\text{M}$ 45'18	0°23'33
minimum elong	1360 Nov 17 j 11:44	4° $\text{J}$ 00'51	1°14'32	minimum elong	1361 Nov 01 j 19:48	17° $\text{M}$ 47'14	0°23'18
min. Earth dist.	1360 Nov 17 j 09:53	4° $\text{J}$ 07'15	0.67783 AU	min. Earth dist.	1361 Nov 01 j 06:21	18° $\text{M}$ 32'54	0.67661 AU
	1360 Nov 20 j 12:59	30° $\text{R}$ $\text{M}$		morning rise	1361 Nov 07 j 04:55	11° $\text{M}$ 39'18	
morning rise	1360 Nov 22 j 18:27	27° $\text{M}$ 44'25		direct	1361 Nov 11 j 04:28	10° $\text{M}$ 09'33	
direct	1360 Nov 27 j 07:46	25° $\text{M}$ 52'24		morning max el	1361 Nov 19 j 07:48	14° $\text{M}$ 52'08	20°43'26
	1360 Dec 05 j 04:42	0° $\text{J}$			1361 Dec 01 j 05:13	0° $\text{J}$	
morning max el	1360 Dec 06 j 13:11	1° $\text{J}$ 18'23	22°02'22	desc. node	1361 Dec 09 j 10:20	12° $\text{J}$ 03'37	
desc. node	1360 Dec 22 j 13:17	21° $\text{J}$ 53'03		morning set	1361 Dec 18 j 12:17	25° $\text{J}$ 56'42	
	1360 Dec 28 j 01:35	0° $\text{Z}$			1361 Dec 21 j 02:29	0° $\text{Z}$	
morning set	1361 Jan 08 j 09:24	17° $\text{Z}$ 35'43		max. Earth dist.	1361 Dec 27 j 09:58	10° $\text{Z}$ 04'13	1.43041 AU
max. Earth dist.	1361 Jan 14 j 04:31	27° $\text{Z}$ 06'28	1.41187 AU				
	1361 Jan 15 j 21:44	0° $\text{A}$		superior conj	1362 Jan 03 j 02:11	21° $\text{Z}$ 04'38	-2°01'11
superior conj	1361 Jan 21 j 22:44	10° $\text{A}$ 28'06	-2°02'52	minimum elong	1362 Jan 02 j 23:07	20° $\text{Z}$ 51'49	2°01'05
minimum elong	1361 Jan 22 j 00:19	10° $\text{A}$ 35'04	2°02'49		1362 Jan 08 j 07:51	0° $\text{A}$	
evening rise	1361 Feb 01 j 09:44	29° $\text{A}$ 33'50		evening rise	1362 Jan 15 j 02:23	11° $\text{A}$ 52'43	

	1362 Jan 25 j 15:17	0° $\text{H}$		superior conj	1362 Dec 14 j 02:59	0° $\text{Z}$ 28'26	-1°41'44
asc. node	1362 Jan 27 j 16:16	3° $\text{H}$ 05'04		minimum elong	1362 Dec 13 j 19:05	29° $\text{X}$ 56'46	1°41'05
evening max el	1362 Feb 01 j 04:43	8° $\text{H}$ 40'42	18°07'34	evening rise	1362 Dec 27 j 23:30	23° $\text{Z}$ 18'26	
retrograde	1362 Feb 07 j 17:51	12° $\text{H}$ 04'39			1362 Dec 31 j 22:44	0° $\approx$	
evening set	1362 Feb 10 j 12:05	11° $\text{H}$ 27'57		asc. node	1363 Jan 14 j 13:17	20° $\approx$ 43'47	
inferior conj	1362 Feb 16 j 22:10	6° $\text{H}$ 22'45	3°42'35	evening max el	1363 Jan 15 j 17:13	21° $\approx$ 59'00	18°19'26
minimum elong	1362 Feb 16 j 23:10	6° $\text{H}$ 20'15	3°42'31	retrograde	1363 Jan 22 j 04:49	25° $\approx$ 29'29	
min. Earth dist.	1362 Feb 19 j 21:43	3° $\text{H}$ 23'34	0.61868 AU	evening set	1363 Jan 25 j 03:59	24° $\approx$ 42'13	
morning rise	1362 Feb 23 j 08:54	0° $\text{H}$ 26'59		inferior conj	1363 Jan 31 j 03:55	19° $\approx$ 17'33	3°44'01
	1362 Feb 24 j 00:50	30° $\text{R}$ $\approx$		minimum elong	1363 Jan 31 j 03:04	19° $\approx$ 19'57	3°43'59
direct	1362 Mar 02 j 06:44	27° $\approx$ 59'01		min. Earth dist.	1363 Feb 02 j 12:54	16° $\approx$ 37'16	0.63779 AU
desc. node	1362 Mar 07 j 09:28	29° $\approx$ 11'08		morning rise	1363 Feb 06 j 01:26	13° $\approx$ 12'39	
	1362 Mar 08 j 23:44	0° $\text{H}$		direct	1363 Feb 12 j 23:38	10° $\approx$ 25'28	
morning max el	1362 Mar 16 j 09:10	5° $\text{H}$ 52'36	27°48'28	desc. node	1363 Feb 22 j 06:30	14° $\approx$ 21'11	
	1362 Apr 03 j 13:32	0° $\text{Y}$		morning max el	1363 Feb 26 j 17:23	18° $\approx$ 18'49	27°36'54
morning set	1362 Apr 18 j 15:31	27° $\text{Y}$ 32'42			1363 Mar 08 j 13:53	0° $\text{H}$	
	1362 Apr 19 j 20:11	0° $\text{B}$			1363 Mar 27 j 10:20	0° $\text{Y}$	
max. Earth dist.	1362 Apr 24 j 11:00	9° $\text{B}$ 47'36	1.32505 AU	morning set	1363 Apr 02 j 12:14	11° $\text{Y}$ 35'34	
asc. node	1362 Apr 25 j 15:34	12° $\text{B}$ 22'29		max. Earth dist.	1363 Apr 07 j 14:43	22° $\text{Y}$ 01'37	1.33182 AU
superior conj	1362 Apr 26 j 01:24	13° $\text{B}$ 16'00	0°04'21	superior conj	1363 Apr 10 j 08:18	27° $\text{Y}$ 49'20	-0°22'48
minimum elong	1362 Apr 26 j 01:12	13° $\text{B}$ 14'52	0°04'18	minimum elong	1363 Apr 10 j 09:25	27° $\text{Y}$ 55'19	0°22'34
behind sun begin	1362 Apr 25 j 20:14	12° $\text{B}$ 47'53			1363 Apr 11 j 08:40	0° $\text{B}$	
behind sun end	1362 Apr 26 j 06:09	13° $\text{B}$ 41'53		asc. node	1363 Apr 12 j 12:35	2° $\text{B}$ 30'13	
evening rise	1362 May 02 j 23:38	28° $\text{B}$ 16'56		evening rise	1363 Apr 17 j 11:17	13° $\text{B}$ 05'42	
	1362 May 03 j 19:11	0° $\text{II}$			1363 Apr 26 j 01:51	0° $\text{II}$	
	1362 May 20 j 21:06	0° $\text{E}$		evening max el	1363 May 09 j 19:54	19° $\text{II}$ 03'51	22°53'01
evening max el	1362 May 28 j 05:41	8° $\text{E}$ 34'01	24°28'44	desc. node	1363 May 21 j 05:44	25° $\text{II}$ 33'09	
desc. node	1362 Jun 03 j 08:44	13° $\text{E}$ 18'31		retrograde	1363 May 23 j 03:30	25° $\text{II}$ 41'26	
retrograde	1362 Jun 11 j 03:13	15° $\text{E}$ 35'19		evening set	1363 May 26 j 12:07	25° $\text{II}$ 16'40	
evening set	1362 Jun 15 j 23:08	14° $\text{E}$ 42'59		min. Earth dist.	1363 Jun 03 j 04:40	21° $\text{II}$ 52'37	0.55474 AU
min. Earth dist.	1362 Jun 21 j 16:45	11° $\text{E}$ 48'36	0.56844 AU	inferior conj	1363 Jun 04 j 17:01	21° $\text{II}$ 00'13	-3°46'17
inferior conj	1362 Jun 24 j 10:47	10° $\text{E}$ 03'18	-4°42'23	minimum elong	1363 Jun 04 j 09:26	21° $\text{II}$ 11'12	3°44'27
minimum elong	1362 Jun 24 j 06:50	10° $\text{E}$ 09'39	4°41'57	morning rise	1363 Jun 13 j 09:12	17° $\text{II}$ 07'35	
morning rise	1362 Jul 02 j 17:16	5° $\text{E}$ 59'20		direct	1363 Jun 16 j 05:05	16° $\text{II}$ 48'49	
direct	1362 Jul 05 j 08:36	5° $\text{E}$ 40'18		morning max el	1363 Jun 27 j 05:27	21° $\text{II}$ 55'02	20°43'25
morning max el	1362 Jul 14 j 18:11	10° $\text{E}$ 02'29	19°29'16		1363 Jul 04 j 00:01	0° $\text{E}$	
asc. node	1362 Jul 22 j 14:49	20° $\text{E}$ 09'31		asc. node	1363 Jul 09 j 11:51	8° $\text{E}$ 58'39	
	1362 Jul 28 j 03:58	0° $\Omega$		morning set	1363 Jul 16 j 09:11	22° $\text{E}$ 24'21	
morning set	1362 Aug 01 j 02:43	7° $\Omega$ 44'54			1363 Jul 20 j 01:12	0° $\Omega$	
superior conj	1362 Aug 09 j 03:46	23° $\Omega$ 50'25	1°45'52	superior conj	1363 Jul 23 j 21:52	7° $\Omega$ 58'27	1°44'23
minimum elong	1362 Aug 09 j 04:20	23° $\Omega$ 53'11	1°45'51	minimum elong	1363 Jul 23 j 20:52	7° $\Omega$ 53'21	1°44'21
	1362 Aug 12 j 08:07	0° $\text{M}$		max. Earth dist.	1363 Jul 28 j 14:53	17° $\Omega$ 24'14	1.35917 AU
max. Earth dist.	1362 Aug 15 j 07:26	5° $\text{M}$ 34'49	1.37766 AU	evening rise	1363 Aug 01 j 16:47	25° $\Omega$ 11'36	
evening rise	1362 Aug 19 j 01:54	12° $\text{M}$ 24'19			1363 Aug 04 j 07:44	0° $\text{M}$	
	1362 Aug 29 j 14:30	0° $\text{E}$		desc. node	1363 Aug 17 j 05:07	21° $\text{M}$ 23'27	
desc. node	1362 Aug 30 j 08:07	1° $\text{E}$ 09'04			1363 Aug 23 j 02:47	0° $\text{E}$	
	1362 Sep 20 j 11:49	0° $\text{M}$		evening max el	1363 Sep 06 j 08:13	17° $\text{E}$ 09'51	26°16'56
evening max el	1362 Sep 23 j 20:26	3° $\text{M}$ 31'45	25°11'16	retrograde	1363 Sep 19 j 00:59	24° $\text{E}$ 20'26	
retrograde	1362 Oct 05 j 17:47	10° $\text{M}$ 24'13		evening set	1363 Sep 25 j 10:08	21° $\text{E}$ 41'38	
evening set	1362 Oct 11 j 13:02	7° $\text{M}$ 57'55		min. Earth dist.	1363 Sep 29 j 14:02	17° $\text{E}$ 17'04	0.66408 AU
min. Earth dist.	1362 Oct 16 j 00:30	2° $\text{M}$ 57'08	0.67206 AU	inferior conj	1363 Oct 01 j 02:12	15° $\text{E}$ 25'54	-1°29'03
inferior conj	1362 Oct 17 j 01:14	1° $\text{M}$ 36'25	-0°31'42	minimum elong	1363 Oct 01 j 04:32	15° $\text{E}$ 18'44	1°28'04
minimum elong	1362 Oct 17 j 02:03	1° $\text{M}$ 33'48	0°31'21	asc. node	1363 Oct 05 j 11:02	10° $\text{E}$ 41'31	
	1362 Oct 18 j 07:12	30° $\text{R}$ $\text{E}$		morning rise	1363 Oct 06 j 23:23	9° $\text{E}$ 37'03	
asc. node	1362 Oct 18 j 14:00	29° $\text{E}$ 38'44		direct	1363 Oct 10 j 00:54	8° $\text{E}$ 43'38	
morning rise	1362 Oct 22 j 15:14	25° $\text{E}$ 37'37		morning max el	1363 Oct 16 j 19:44	12° $\text{E}$ 29'22	18°46'05
direct	1362 Oct 26 j 02:42	24° $\text{E}$ 27'48			1363 Oct 29 j 12:53	0° $\text{M}$	
morning max el	1362 Nov 02 j 10:19	28° $\text{E}$ 36'43	19°37'11	morning set	1363 Nov 07 j 01:11	13° $\text{M}$ 25'01	
	1362 Nov 03 j 17:43	0° $\text{M}$		desc. node	1363 Nov 13 j 04:24	23° $\text{M}$ 06'11	
greatest brilliancy	1362 Nov 15 j 19:48	16° $\text{M}$ 29'20	-0.7m		1363 Nov 17 j 13:39	0° $\text{X}$	
	1362 Nov 24 j 16:37	0° $\text{X}$		max. Earth dist.	1363 Nov 22 j 15:54	8° $\text{X}$ 00'01	1.45050 AU
desc. node	1362 Nov 26 j 07:22	2° $\text{X}$ 29'27					
morning set	1362 Nov 27 j 09:30	4° $\text{X}$ 10'24		superior conj	1363 Nov 23 j 07:41	9° $\text{X}$ 02'04	-1°04'06
max. Earth dist.	1362 Dec 09 j 22:41	23° $\text{X}$ 48'08	1.44382 AU	minimum elong	1363 Nov 22 j 23:57	8° $\text{X}$ 31'40	1°03'10
	1362 Dec 13 j 19:54	0° $\text{Z}$			1363 Dec 06 j 13:13	0° $\text{Z}$	

evening rise	1363 Dec 08 j 21:42	3°  46'36		minimum elong	1364 Nov 01 j 08:51	17°  29'41	0°15'39
	1363 Dec 25 j 17:29	0° 		behind sun begin	1364 Nov 01 j 05:55	17°  18'06	
evening max el	1363 Dec 30 j 04:11	5°  24'25	18°49'24	behind sun end	1364 Nov 01 j 11:46	17°  41'16	
asc. node	1364 Jan 01 j 10:18	7°  25'24		max. Earth dist.	1364 Nov 04 j 10:40	22°  21'16	1.44984 AU
retrograde	1364 Jan 05 j 22:21	9°  12'20			1364 Nov 09 j 07:39	0° 	
evening set	1364 Jan 09 j 03:17	8°  13'26		evening rise	1364 Nov 17 j 21:11	13°  20'28	
inferior conj	1364 Jan 14 j 20:07	2°  31'28	3°29'09		1364 Nov 28 j 15:54	0° 	
minimum elong	1364 Jan 14 j 18:03	2°  37'51	3°28'51	greatest brilliancy	1364 Nov 30 j 07:11	2°  29'00	-0.7m
min. Earth dist.	1364 Jan 16 j 13:42	0°  23'33	0.65349 AU	evening max el	1364 Dec 12 j 11:32	18°  53'00	19°36'08
	1364 Jan 16 j 21:32	30°  R 		asc. node	1364 Dec 18 j 07:21	22°  55'02	
morning rise	1364 Jan 20 j 08:26	26°  Z  21'28		retrograde	1364 Dec 19 j 19:14	23°  50'25	
direct	1364 Jan 26 j 23:38	23°  Z  29'31		evening set	1364 Dec 23 j 07:25	21°  55'26	
	1364 Feb 07 j 21:38	0° 		inferior conj	1364 Dec 28 j 19:34	15°  58'40	3°02'14
morning max el	1364 Feb 09 j 03:13	1°  12'15	26°52'36	minimum elong	1364 Dec 28 j 16:56	16°  50'17	3°01'36
desc. node	1364 Feb 09 j 03:34	1°  13'08		min. Earth dist.	1364 Dec 29 j 22:41	14°  52'46	0.66521 AU
	1364 Mar 01 j 15:37	0° 		morning rise	1365 Jan 03 j 02:14	9°  46'09	
morning set	1364 Mar 15 j 22:40	25°  X  03'48		direct	1365 Jan 09 j 05:39	7°  50'18	
	1364 Mar 18 j 11:39	0° 		morning max el	1365 Jan 21 j 12:21	14°  50'15	25°43'47
max. Earth dist.	1364 Mar 20 j 08:12	3°  Y  41'48	1.34302 AU	desc. node	1365 Jan 26 j 00:37	19°  51'39	
					1365 Feb 03 j 07:37	0° 	
superior conj	1364 Mar 24 j 09:50	12°  Y  01'56	-0°50'25		1365 Feb 22 j 10:40	0° 	
minimum elong	1364 Mar 24 j 12:21	12°  Y  14'59	0°49'57	morning set	1365 Feb 26 j 18:33	7°  X  44'36	
asc. node	1364 Mar 29 j 09:37	22°  Y  31'40		max. Earth dist.	1365 Mar 02 j 13:47	14°  X  51'14	1.35879 AU
evening rise	1364 Mar 31 j 21:10	27°  Y  43'56					
	1364 Apr 01 j 23:28	0° 		superior conj	1365 Mar 08 j 03:28	25°  X  46'34	-1°17'00
evening max el	1364 Apr 20 j 16:33	29°  Z  46'53	21°21'36	minimum elong	1365 Mar 08 j 07:09	26°  X  05'04	1°16'26
	1364 Apr 20 j 22:01	0° 			1365 Mar 10 j 05:34	0° 	
retrograde	1364 May 02 j 18:07	5°  H  40'06		evening rise	1365 Mar 16 j 03:18	12°  Y  05'32	
evening set	1364 May 05 j 02:17	5°  H  27'33		asc. node	1365 Mar 16 j 06:40	12°  Y  22'41	
desc. node	1364 May 07 j 02:45	4°  H  57'50			1365 Mar 25 j 15:16	0° 	
inferior conj	1364 May 14 j 11:49	1°  H  27'42	-2°06'09	evening max el	1365 Apr 03 j 00:21	11°  8'04'43	20°04'26
minimum elong	1364 May 14 j 06:01	1°  H  35'50	2°04'11	retrograde	1365 Apr 13 j 08:48	16°  8'04'14	
min. Earth dist.	1364 May 14 j 17:08	1°  H  20'14	0.54931 AU	evening set	1365 Apr 15 j 09:57	15°  8'53'23	
	1364 May 17 j 03:24	30°  R 		desc. node	1365 Apr 23 j 23:47	12°  8'07'59	
morning rise	1364 May 23 j 10:12	27°  8'28'40		inferior conj	1365 Apr 24 j 08:59	11°  8'54'13	-0°06'39
direct	1364 May 26 j 15:24	27°  8'06'10		minimum elong	1365 Apr 24 j 08:40	11°  8'54'40	0°06'32
	1364 Jun 04 j 09:00	0° 		transit middle	1365 Apr 24 j 08:40	11°  8'54'40	0°06'32
morning max el	1364 Jun 08 j 05:47	3°  H  04'47	22°15'07	transit begin	1365 Apr 24 j 05:01	12°  8'00'09	
asc. node	1364 Jun 25 j 08:53	28°  H  17'14		transit end	1365 Apr 24 j 12:19	11°  8'49'11	
	1364 Jun 26 j 05:49	0° 		min. Earth dist.	1365 Apr 26 j 06:46	10°  8'45'41	0.55353 AU
morning set	1364 Jun 29 j 19:07	7°  D  14'57		morning rise	1365 May 03 j 05:29	7°  8'30'43	
				direct	1365 May 07 j 05:12	6°  8'55'53	
superior conj	1364 Jul 07 j 00:01	22°  D  30'55	1°36'15	morning max el	1365 May 20 j 22:18	13°  8'42'03	23°56'20
minimum elong	1364 Jul 06 j 22:02	22°  D  20'24	1°36'05		1365 Jun 02 j 12:48	0° 	
max. Earth dist.	1364 Jul 10 j 06:51	29°  D  21'52	1.34413 AU	asc. node	1365 Jun 12 j 05:57	17°  H  57'40	
	1364 Jul 10 j 14:17	0° 		morning set	1365 Jun 14 j 06:50	22°  H  11'44	
evening rise	1364 Jul 14 j 23:26	8°  J  45'27			1365 Jun 17 j 22:21	0° 	
	1364 Jul 26 j 19:59	0° 		superior conj	1365 Jun 21 j 07:31	7°  D  19'28	1°22'46
desc. node	1364 Aug 03 j 02:07	11°  H  14'55		minimum elong	1365 Jun 21 j 05:06	7°  D  06'27	1°22'27
	1364 Aug 18 j 03:29	0° 		max. Earth dist.	1365 Jun 23 j 08:21	11°  D  41'43	1.33309 AU
evening max el	1364 Aug 18 j 20:20	0°  A  40'59	27°03'59	evening rise	1365 Jun 28 j 17:41	22°  D  54'01	
retrograde	1364 Sep 01 j 02:46	7°  A  59'07			1365 Jul 02 j 08:26	0° 	
evening set	1364 Sep 07 j 23:37	5°  A  14'48		desc. node	1365 Jul 20 j 23:08	0°  H  33'55	
min. Earth dist.	1364 Sep 11 j 20:42	1°  A  26'40	0.65261 AU		1365 Jul 20 j 13:17	0°  H 	
	1364 Sep 13 j 03:19	30°  R 		evening max el	1365 Aug 01 j 07:35	13°  H  54'16	27°25'13
inferior conj	1364 Sep 13 j 21:07	29°  H  09'10	-2°26'36	retrograde	1365 Aug 14 j 22:29	21°  H  12'23	
minimum elong	1364 Sep 14 j 00:56	28°  H  58'16	2°25'10	evening set	1365 Aug 22 j 02:33	18°  H  32'36	
morning rise	1364 Sep 20 j 03:02	23°  H  33'13		min. Earth dist.	1365 Aug 25 j 18:20	15°  H  18'20	0.63767 AU
asc. node	1364 Sep 21 j 08:06	23°  H  05'13		inferior conj	1365 Aug 28 j 07:30	12°  H  41'08	-3°21'34
direct	1364 Sep 22 j 21:01	22°  H  52'20		minimum elong	1365 Aug 28 j 12:26	12°  H  28'25	3°20'04
morning max el	1364 Sep 29 j 09:47	26°  H  24'04	18°11'22	morning rise	1365 Sep 03 j 23:25	7°  H  21'28	
	1364 Oct 02 j 12:12	0° 		direct	1365 Sep 06 j 12:29	6°  H  49'32	
morning set	1364 Oct 17 j 21:41	24°  A  05'35		asc. node	1365 Sep 08 j 05:09	7°  H  03'56	
	1364 Oct 21 j 12:01	0°		morning max el	1365 Sep 13 j 01:47	10°  H  15'19	17°53'57
desc. node	1364 Oct 30 j 01:26	13°  H  49'25			1365 Sep 26 j 08:32	0°	
				morning set	1365 Sep 29 j 20:43	6°  A  03'13	
superior conj	1364 Nov 01 j 10:53	17°  H  37'47	-0°15'56				

superior conj	1365 Oct 12 j 08:42	27° <u>♄</u> 10'41	0°30'29		1366 Sep 18 j 19:01	0° <u>♄</u>	
minimum elong	1365 Oct 12 j 11:53	27° <u>♄</u> 23'44	0°30'03				
	1365 Oct 14 j 02:09	0° <u>♄</u>		superior conj	1366 Sep 23 j 09:40	8° <u>♄</u> 04'03	1°06'43
desc. node	1365 Oct 16 j 22:28	4° <u>♄</u> 36'01		minimum elong	1366 Sep 23 j 14:23	8° <u>♄</u> 24'19	1°06'10
max. Earth dist.	1365 Oct 18 j 04:17	6° <u>♄</u> 35'19	1.44201 AU	max. Earth dist.	1366 Sep 30 j 18:05	20° <u>♄</u> 24'58	1.42796 AU
evening rise	1365 Oct 28 j 06:24	22° <u>♄</u> 23'26		desc. node	1366 Oct 03 j 19:30	25° <u>♄</u> 22'47	
	1365 Nov 02 j 05:48	0° <u>♄</u>			1366 Oct 06 j 17:08	0° <u>♄</u>	
	1365 Nov 23 j 09:51	0° <u>♄</u>		evening rise	1366 Oct 07 j 17:35	1° <u>♄</u> 36'14	
evening max el	1365 Nov 25 j 13:46	2° <u>♄</u> 22'41	20°37'20		1366 Oct 26 j 18:58	0° <u>♄</u>	
retrograde	1365 Dec 03 j 17:02	7° <u>♄</u> 10'55		evening max el	1366 Nov 08 j 10:15	15° <u>♄</u> 52'58	21°49'42
asc. node	1365 Dec 05 j 04:25	6° <u>♄</u> 58'42		retrograde	1366 Nov 17 j 13:50	21° <u>♄</u> 19'38	
evening set	1365 Dec 07 j 14:15	5° <u>♄</u> 44'08		evening set	1366 Nov 21 j 22:00	19° <u>♄</u> 36'34	
inferior conj	1365 Dec 12 j 23:42	29° <u>♄</u> 35'22	2°26'07	asc. node	1366 Nov 22 j 01:28	19° <u>♄</u> 29'30	
minimum elong	1365 Dec 12 j 21:06	29° <u>♄</u> 44'16	2°25'17	inferior conj	1366 Nov 27 j 06:24	13° <u>♄</u> 19'04	1°42'49
	1365 Dec 12 j 16:28	30° <u>♄</u>		minimum elong	1366 Nov 27 j 04:16	13° <u>♄</u> 26'24	1°42'01
min. Earth dist.	1365 Dec 13 j 13:52	28° <u>♄</u> 47'04	0.67297 AU	min. Earth dist.	1366 Nov 27 j 08:59	13° <u>♄</u> 10'05	0.67699 AU
morning rise	1365 Dec 18 j 03:45	23° <u>♄</u> 22'13		morning rise	1366 Dec 02 j 10:25	7° <u>♄</u> 07'02	
direct	1365 Dec 23 j 16:44	20° <u>♄</u> 55'28		direct	1366 Dec 07 j 08:11	5° <u>♄</u> 02'07	
morning max el	1366 Jan 03 j 20:39	27° <u>♄</u> 34'54	24°20'13	morning max el	1366 Dec 17 j 06:29	10° <u>♄</u> 55'14	22°51'57
	1366 Jan 06 j 03:23	0° <u>♄</u>		desc. node	1366 Dec 30 j 18:44	27° <u>♄</u> 46'14	
desc. node	1366 Jan 12 j 21:41	8° <u>♄</u> 13'35			1367 Jan 01 j 08:37	0° <u>♄</u>	
	1366 Jan 28 j 00:13	0° <u>♄</u>		morning set	1367 Jan 20 j 15:14	29° <u>♄</u> 39'29	
morning set	1366 Feb 08 j 18:07	19° <u>♄</u> 21'32			1367 Jan 20 j 20:11	0° <u>♄</u>	
max. Earth dist.	1366 Feb 12 j 10:47	25° <u>♄</u> 54'45	1.37841 AU	max. Earth dist.	1367 Jan 25 j 06:32	7° <u>♄</u> 28'12	1.39980 AU
	1366 Feb 14 j 16:32	0° <u>♄</u>					
superior conj	1366 Feb 19 j 09:46	8° <u>♄</u> 53'26	-1°40'23	superior conj	1367 Feb 02 j 00:25	21° <u>♄</u> 11'34	-1°57'28
minimum elong	1366 Feb 19 j 13:55	9° <u>♄</u> 13'24	1°39'56	minimum elong	1367 Feb 02 j 03:34	21° <u>♄</u> 26'01	1°57'18
evening rise	1366 Feb 28 j 03:13	26° <u>♄</u> 03'02			1367 Feb 06 j 18:11	0° <u>♄</u>	
	1366 Mar 02 j 03:26	0° <u>♄</u>		evening rise	1367 Feb 11 j 17:59	9° <u>♄</u> 29'07	
asc. node	1366 Mar 03 j 03:43	1° <u>♄</u> 57'44		asc. node	1367 Feb 18 j 00:47	21° <u>♄</u> 11'14	
evening max el	1366 Mar 16 j 19:18	23° <u>♄</u> 00'54	19°05'58		1367 Feb 23 j 10:26	0° <u>♄</u>	
retrograde	1366 Mar 25 j 12:32	27° <u>♄</u> 13'58		evening max el	1367 Feb 27 j 23:10	5° <u>♄</u> 31'09	18°27'36
evening set	1366 Mar 27 j 16:49	26° <u>♄</u> 59'16		retrograde	1367 Mar 07 j 11:16	9° <u>♄</u> 12'52	
inferior conj	1366 Apr 04 j 21:17	22° <u>♄</u> 46'32	1°38'54	evening set	1367 Mar 09 j 21:09	8° <u>♄</u> 51'08	
minimum elong	1366 Apr 05 j 00:50	22° <u>♄</u> 40'24	1°37'46	inferior conj	1367 Mar 17 j 06:37	4° <u>♄</u> 18'47	2°52'01
min. Earth dist.	1366 Apr 07 j 22:03	20° <u>♄</u> 42'12	0.56648 AU	minimum elong	1367 Mar 17 j 10:32	4° <u>♄</u> 10'54	2°51'07
desc. node	1366 Apr 10 j 20:50	18° <u>♄</u> 55'18		min. Earth dist.	1367 Mar 20 j 17:03	1° <u>♄</u> 34'05	0.58534 AU
morning rise	1366 Apr 13 j 05:51	17° <u>♄</u> 49'19			1367 Mar 22 j 21:58	30° <u>♄</u>	
direct	1366 Apr 18 j 06:46	16° <u>♄</u> 49'55		morning rise	1367 Mar 24 j 21:08	28° <u>♄</u> 51'07	
morning max el	1366 May 02 j 12:48	24° <u>♄</u> 09'46	25°33'53	desc. node	1367 Mar 28 j 17:53	27° <u>♄</u> 28'51	
	1366 May 07 j 20:28	0° <u>♄</u>		direct	1367 Mar 30 j 22:05	27° <u>♄</u> 16'31	
	1366 May 26 j 07:20	0° <u>♄</u>			1367 Apr 08 j 04:20	0° <u>♄</u>	
morning set	1366 May 29 j 18:34	7° <u>♄</u> 08'06		morning max el	1367 Apr 14 j 07:04	4° <u>♄</u> 57'04	26°51'58
asc. node	1366 May 30 j 03:00	7° <u>♄</u> 52'40			1367 May 02 j 16:24	0° <u>♄</u>	
				morning set	1367 May 14 j 04:41	21° <u>♄</u> 58'30	
superior conj	1366 Jun 05 j 18:04	22° <u>♄</u> 15'42	1°04'56	asc. node	1367 May 17 j 00:03	27° <u>♄</u> 57'07	
minimum elong	1366 Jun 05 j 15:45	22° <u>♄</u> 03'00	1°04'32		1367 May 17 j 22:44	0° <u>♄</u>	
max. Earth dist.	1366 Jun 06 j 16:56	24° <u>♄</u> 20'40	1.32594 AU	superior conj	1367 May 21 j 05:50	7° <u>♄</u> 13'26	0°43'32
	1366 Jun 09 j 07:31	0° <u>♄</u>		minimum elong	1367 May 21 j 04:03	7° <u>♄</u> 03'38	0°43'10
evening rise	1366 Jun 12 j 19:56	7° <u>♄</u> 25'25		max. Earth dist.	1367 May 21 j 05:02	7° <u>♄</u> 09'01	1.32257 AU
	1366 Jun 24 j 19:52	0° <u>♄</u>		evening rise	1367 May 28 j 03:29	22° <u>♄</u> 10'59	
desc. node	1366 Jul 07 j 20:09	19° <u>♄</u> 06'12			1367 May 31 j 23:10	0° <u>♄</u>	
evening max el	1366 Jul 14 j 15:24	26° <u>♄</u> 35'11	27°15'20		1367 Jun 19 j 03:44	0° <u>♄</u>	
	1366 Jul 18 j 16:29	0° <u>♄</u>		desc. node	1367 Jun 24 j 17:10	6° <u>♄</u> 32'24	
retrograde	1366 Jul 28 j 11:22	3° <u>♄</u> 50'41		evening max el	1367 Jun 26 j 17:05	8° <u>♄</u> 32'22	26°32'21
evening set	1366 Aug 04 j 15:07	1° <u>♄</u> 27'57		retrograde	1367 Jul 10 j 16:35	15° <u>♄</u> 45'35	
	1366 Aug 06 j 15:20	30° <u>♄</u>		evening set	1367 Jul 17 j 08:43	13° <u>♄</u> 53'04	
min. Earth dist.	1366 Aug 08 j 05:27	28° <u>♄</u> 39'51	0.61950 AU	min. Earth dist.	1367 Jul 21 j 06:23	11° <u>♄</u> 16'36	0.59914 AU
inferior conj	1366 Aug 11 j 06:17	25° <u>♄</u> 53'54	-4°09'42	inferior conj	1367 Jul 24 j 13:56	8° <u>♄</u> 38'21	-4°44'01
minimum elong	1366 Aug 11 j 11:20	25° <u>♄</u> 42'21	4°08'37	minimum elong	1367 Jul 24 j 17:13	8° <u>♄</u> 31'47	4°43'40
morning rise	1366 Aug 18 j 09:02	20° <u>♄</u> 54'04		morning rise	1367 Aug 01 j 03:44	4° <u>♄</u> 01'00	
direct	1366 Aug 20 j 19:47	20° <u>♄</u> 28'12		direct	1367 Aug 03 j 14:38	3° <u>♄</u> 39'02	
asc. node	1366 Aug 26 j 02:14	22° <u>♄</u> 31'38		morning max el	1367 Aug 11 j 03:48	7° <u>♄</u> 18'49	18°15'09
morning max el	1366 Aug 27 j 16:49	23° <u>♄</u> 56'12	17°54'51	asc. node	1367 Aug 12 j 23:17	9° <u>♄</u> 14'22	
	1366 Sep 01 j 13:48	0° <u>♄</u>			1367 Aug 25 j 16:52	0° <u>♄</u>	
morning set	1366 Sep 12 j 16:06	18° <u>♄</u> 59'09		morning set	1367 Aug 27 j 02:10	2° <u>♄</u> 37'17	

superior conj	1367 Sep 05 j 11:44	20° $\mathbb{M}$ 11'43	1°30'34	superior conj	1368 Aug 18 j 09:26	3° $\mathbb{M}$ 18'20	1°43'04
minimum elong	1367 Sep 05 j 15:21	20° $\mathbb{M}$ 28'10	1°30'16	minimum elong	1368 Aug 18 j 11:06	3° $\mathbb{M}$ 26'19	1°42'59
	1367 Sep 11 j 00:15	0° $\mathbb{L}$		max. Earth dist.	1368 Aug 25 j 05:44	15° $\mathbb{M}$ 59'21	1.38922 AU
max. Earth dist.	1367 Sep 13 j 02:01	3° $\mathbb{L}$ 33'47	1.40954 AU	evening rise	1368 Aug 29 j 03:07	22° $\mathbb{M}$ 48'59	
evening rise	1367 Sep 17 j 22:12	11° $\mathbb{L}$ 38'15			1368 Sep 02 j 09:37	0° $\mathbb{L}$	
desc. node	1367 Sep 20 j 16:30	16° $\mathbb{L}$ 06'08		desc. node	1368 Sep 06 j 13:31	6° $\mathbb{L}$ 42'40	
	1367 Sep 29 j 16:31	0° $\mathbb{M}$			1368 Sep 22 j 13:36	0° $\mathbb{M}$	
evening max el	1367 Oct 22 j 01:42	29° $\mathbb{M}$ 24'33	23°08'41	evening max el	1368 Oct 03 j 14:20	13° $\mathbb{M}$ 00'35	24°28'08
	1367 Oct 22 j 16:03	0° $\mathbb{J}$		retrograde	1368 Oct 14 j 22:41	19° $\mathbb{M}$ 38'42	
retrograde	1367 Nov 01 j 08:06	5° $\mathbb{J}$ 29'53		evening set	1368 Oct 20 j 09:27	17° $\mathbb{M}$ 21'36	
evening set	1367 Nov 06 j 04:55	3° $\mathbb{J}$ 29'37		min. Earth dist.	1368 Oct 25 j 01:32	12° $\mathbb{M}$ 00'25	0.67503 AU
asc. node	1367 Nov 08 j 22:31	0° $\mathbb{J}$ 37'27		inferior conj	1368 Oct 25 j 20:03	10° $\mathbb{M}$ 58'26	0°00'27
	1367 Nov 09 j 10:25	30° $\mathbb{R}$ $\mathbb{M}$		minimum elong	1368 Oct 25 j 20:02	10° $\mathbb{M}$ 58'29	0°00'27
min. Earth dist.	1367 Nov 11 j 05:40	27° $\mathbb{M}$ 35'00	0.67762 AU	transit middle	1368 Oct 25 j 20:02	10° $\mathbb{M}$ 58'29	0°00'27
inferior conj	1367 Nov 11 j 13:44	27° $\mathbb{M}$ 07'13	0°53'47	transit begin	1368 Oct 25 j 17:18	11° $\mathbb{M}$ 07'39	
minimum elong	1367 Nov 11 j 12:31	27° $\mathbb{M}$ 11'26	0°53'17	transit end	1368 Oct 25 j 22:46	10° $\mathbb{M}$ 49'18	
morning rise	1367 Nov 16 j 20:02	20° $\mathbb{M}$ 58'14		asc. node	1368 Oct 25 j 19:32	11° $\mathbb{M}$ 00'08	
direct	1367 Nov 21 j 03:12	19° $\mathbb{M}$ 16'07		morning rise	1368 Oct 31 j 06:40	4° $\mathbb{M}$ 54'56	
morning max el	1367 Nov 29 j 21:06	24° $\mathbb{M}$ 23'05	21°27'34	direct	1368 Nov 04 j 00:46	3° $\mathbb{M}$ 34'06	
	1367 Dec 04 j 19:30	0° $\mathbb{J}$		morning max el	1368 Nov 11 j 19:01	8° $\mathbb{M}$ 01'31	20°13'26
desc. node	1367 Dec 17 j 15:45	17° $\mathbb{J}$ 44'45			1368 Nov 28 j 04:49	0° $\mathbb{J}$	
	1367 Dec 25 j 19:11	0° $\mathbb{Z}$		desc. node	1368 Dec 03 j 12:47	8° $\mathbb{J}$ 02'19	
morning set	1367 Dec 31 j 07:14	8° $\mathbb{Z}$ 34'42		morning set	1368 Dec 09 j 04:21	16° $\mathbb{J}$ 42'21	
max. Earth dist.	1368 Jan 07 j 07:00	19° $\mathbb{Z}$ 51'40	1.42016 AU		1368 Dec 17 j 15:54	0° $\mathbb{Z}$	
	1368 Jan 13 j 07:47	0° $\mathbb{A}$		max. Earth dist.	1368 Dec 19 j 15:02	3° $\mathbb{Z}$ 08'04	1.43682 AU
superior conj	1368 Jan 14 j 18:02	2° $\mathbb{A}$ 27'28	-2°04'05	superior conj	1368 Dec 25 j 10:02	12° $\mathbb{Z}$ 32'09	-1°55'17
minimum elong	1368 Jan 14 j 17:54	2° $\mathbb{A}$ 26'53	2°04'05	minimum elong	1368 Dec 25 j 04:40	12° $\mathbb{Z}$ 10'07	1°54'59
evening rise	1368 Jan 25 j 19:50	22° $\mathbb{A}$ 14'23			1369 Jan 04 j 18:38	0° $\mathbb{A}$	
	1368 Jan 30 j 02:31	0° $\mathbb{H}$		evening rise	1369 Jan 07 j 04:36	4° $\mathbb{A}$ 10'43	
asc. node	1368 Feb 04 j 21:48	9° $\mathbb{H}$ 55'20		asc. node	1369 Jan 21 j 18:50	28° $\mathbb{A}$ 01'05	
evening max el	1368 Feb 11 j 08:47	18° $\mathbb{H}$ 26'28	18°09'19		1369 Jan 23 j 08:51	0° $\mathbb{H}$	
retrograde	1368 Feb 18 j 03:19	21° $\mathbb{H}$ 52'47		evening max el	1369 Jan 24 j 21:05	1° $\mathbb{H}$ 38'40	18°10'26
evening set	1368 Feb 20 j 18:34	21° $\mathbb{H}$ 22'00		retrograde	1369 Jan 31 j 08:29	5° $\mathbb{H}$ 03'46	
inferior conj	1368 Feb 27 j 12:08	16° $\mathbb{H}$ 28'54	3°32'00	evening set	1369 Feb 03 j 04:47	4° $\mathbb{H}$ 22'43	
minimum elong	1368 Feb 27 j 14:20	16° $\mathbb{H}$ 23'44	3°31'45		1369 Feb 08 j 14:54	30° $\mathbb{R}$ $\mathbb{A}$	
min. Earth dist.	1368 Mar 01 j 18:20	13° $\mathbb{H}$ 27'33	0.60658 AU	inferior conj	1369 Feb 09 j 10:10	29° $\mathbb{A}$ 09'22	3°45'29
morning rise	1368 Mar 05 j 08:11	10° $\mathbb{H}$ 40'41		minimum elong	1369 Feb 09 j 10:19	29° $\mathbb{A}$ 08'59	3°45'30
direct	1368 Mar 12 j 01:22	8° $\mathbb{H}$ 29'33		min. Earth dist.	1369 Feb 12 j 04:00	26° $\mathbb{A}$ 15'46	0.62715 AU
desc. node	1368 Mar 14 j 14:55	8° $\mathbb{H}$ 47'37		morning rise	1369 Feb 15 j 14:47	23° $\mathbb{A}$ 09'10	
morning max el	1368 Mar 26 j 07:25	16° $\mathbb{H}$ 21'17	27°38'25	direct	1369 Feb 22 j 14:01	20° $\mathbb{A}$ 30'51	
	1368 Apr 06 j 12:35	0° $\mathbb{Y}$		desc. node	1369 Mar 01 j 11:57	22° $\mathbb{A}$ 42'48	
	1368 Apr 24 j 04:47	0° $\mathbb{B}$		morning max el	1369 Mar 08 j 13:09	28° $\mathbb{A}$ 25'46	27°47'52
morning set	1368 Apr 27 j 11:22	6° $\mathbb{B}$ 36'41			1369 Mar 10 j 01:46	0° $\mathbb{H}$	
asc. node	1368 May 02 j 21:06	18° $\mathbb{B}$ 06'28			1369 Mar 31 j 07:36	0° $\mathbb{Y}$	
max. Earth dist.	1368 May 03 j 16:51	19° $\mathbb{B}$ 54'09	1.32296 AU	morning set	1369 Apr 11 j 12:27	20° $\mathbb{Y}$ 54'54	
					1369 Apr 15 j 21:43	0° $\mathbb{B}$	
superior conj	1368 May 04 j 17:06	22° $\mathbb{B}$ 06'53	0°19'18	max. Earth dist.	1369 Apr 17 j 00:32	2° $\mathbb{B}$ 22'42	1.32734 AU
minimum elong	1368 May 04 j 16:14	22° $\mathbb{B}$ 02'08	0°19'07				
	1368 May 08 j 07:29	0° $\mathbb{I}$		superior conj	1369 Apr 19 j 02:09	6° $\mathbb{B}$ 49'41	-0°07'02
evening rise	1368 May 11 j 14:09	7° $\mathbb{I}$ 03'26		minimum elong	1369 Apr 19 j 02:29	6° $\mathbb{B}$ 51'30	0°06'58
	1368 May 23 j 14:26	0° $\mathbb{E}$		behind sun begin	1369 Apr 18 j 21:46	6° $\mathbb{B}$ 26'01	
evening max el	1368 Jun 07 j 11:48	19° $\mathbb{E}$ 44'07	25°19'56	behind sun end	1369 Apr 19 j 07:11	7° $\mathbb{B}$ 16'59	
desc. node	1368 Jun 10 j 14:10	22° $\mathbb{E}$ 25'41		asc. node	1369 Apr 19 j 18:06	8° $\mathbb{B}$ 16'08	
retrograde	1368 Jun 21 j 12:20	26° $\mathbb{E}$ 52'40		evening rise	1369 Apr 26 j 01:57	21° $\mathbb{B}$ 55'38	
evening set	1368 Jun 27 j 03:21	25° $\mathbb{E}$ 39'00			1369 Apr 29 j 23:55	0° $\mathbb{I}$	
min. Earth dist.	1368 Jul 01 j 23:43	22° $\mathbb{E}$ 55'37	0.57881 AU		1369 May 19 j 16:50	0° $\mathbb{E}$	
inferior conj	1368 Jul 05 j 03:05	20° $\mathbb{E}$ 45'28	-4°53'35	evening max el	1369 May 20 j 02:07	0° $\mathbb{E}$ 22'39	23°48'30
minimum elong	1368 Jul 05 j 02:11	20° $\mathbb{E}$ 47'02	4°53'33	desc. node	1369 May 28 j 11:11	6° $\mathbb{E}$ 10'48	
morning rise	1368 Jul 13 j 03:37	16° $\mathbb{E}$ 30'25		retrograde	1369 Jun 02 j 19:48	7° $\mathbb{E}$ 16'00	
direct	1368 Jul 15 j 16:41	16° $\mathbb{E}$ 10'48		evening set	1369 Jun 07 j 00:04	6° $\mathbb{E}$ 37'34	
morning max el	1368 Jul 24 j 07:36	20° $\mathbb{E}$ 14'07	18°56'04	min. Earth dist.	1369 Jun 13 j 12:49	3° $\mathbb{E}$ 31'53	0.56177 AU
asc. node	1368 Jul 29 j 20:19	26° $\mathbb{E}$ 57'01		inferior conj	1369 Jun 15 j 20:01	2° $\mathbb{E}$ 08'02	-4°24'34
	1368 Jul 31 j 19:44	0° $\mathbb{O}$		minimum elong	1369 Jun 15 j 14:03	2° $\mathbb{E}$ 17'09	4°23'35
morning set	1368 Aug 09 j 22:37	16° $\mathbb{O}$ 46'30			1369 Jun 19 j 12:51	30° $\mathbb{R}$ $\mathbb{I}$	
	1368 Aug 16 j 16:13	0° $\mathbb{M}$		morning rise	1369 Jun 24 j 06:44	28° $\mathbb{I}$ 10'08	
				direct	1369 Jun 26 j 23:41	27° $\mathbb{I}$ 51'27	



	1369 Jul 03 j 19:47	0°☿		morning max el	1370 Jun 19 j 07:39	14°☿05'14	21°20'29
morning max el	1369 Jul 07 j 01:19	2°☿31'24	19°58'14		1370 Jul 01 j 02:54	0°☿	
asc. node	1369 Jul 16 j 17:21	15°☿25'14		asc. node	1370 Jul 03 j 14:24	4°☿28'23	
	1369 Jul 24 j 10:55	0°♌		morning set	1370 Jul 09 j 10:24	16°☿02'30	
morning set	1369 Jul 25 j 02:10	1°♌17'03			1370 Jul 16 j 02:29	0°♌	
superior conj	1369 Aug 01 j 21:20	17°♌07'30	1°46'08	superior conj	1370 Jul 16 j 19:16	1°♌27'15	1°41'39
minimum elong	1369 Aug 01 j 21:10	17°♌06'41	1°46'08	minimum elong	1370 Jul 16 j 17:47	1°♌19'31	1°41'34
max. Earth dist.	1369 Aug 07 j 10:24	27°♌55'59	1.36952 AU	max. Earth dist.	1370 Jul 20 j 21:32	9°♌48'17	1.35242 AU
	1369 Aug 08 j 12:45	0°♍		evening rise	1370 Jul 25 j 05:06	18°♌13'22	
evening rise	1369 Aug 11 j 06:53	5°♍04'25			1370 Jul 31 j 16:21	0°♍	
desc. node	1369 Aug 24 j 10:32	27°♍06'52		desc. node	1370 Aug 11 j 07:32	17°♍12'38	
	1369 Aug 26 j 07:50	0°♎			1370 Aug 20 j 12:27	0°♎	
evening max el	1369 Sep 16 j 02:16	26°♎39'52	25°41'01	evening max el	1370 Aug 29 j 14:25	10°♎16'46	26°39'34
	1369 Sep 19 j 21:08	0°♏		retrograde	1370 Sep 11 j 13:21	17°♎30'42	
retrograde	1369 Sep 28 j 08:37	3°♏40'58		evening set	1370 Sep 18 j 03:58	14°♎48'40	
evening set	1369 Oct 04 j 09:48	1°♏09'04		min. Earth dist.	1370 Sep 22 j 04:58	10°♎39'43	0.65973 AU
	1369 Oct 05 j 15:25	30°♏♎		inferior conj	1370 Sep 23 j 22:11	8°♎37'00	-1°53'33
min. Earth dist.	1369 Oct 08 j 18:07	26°♎23'16	0.66912 AU	minimum elong	1370 Sep 24 j 01:10	8°♎28'05	1°52'22
inferior conj	1369 Oct 09 j 23:30	24°♎49'33	-0°55'52	morning rise	1370 Sep 29 j 22:55	2°♎53'14	
minimum elong	1369 Oct 10 j 00:57	24°♎44'57	0°55'15	asc. node	1370 Sep 29 j 13:37	3°♎06'36	
asc. node	1369 Oct 12 j 16:33	21°♎32'36		direct	1370 Oct 02 j 21:02	2°♎05'28	
morning rise	1369 Oct 15 j 16:20	18°♎54'20		morning max el	1370 Oct 09 j 12:16	5°♎43'45	18°29'13
direct	1369 Oct 18 j 23:20	17°♎51'49			1370 Oct 26 j 06:25	0°♏	
morning max el	1369 Oct 26 j 00:35	21°♎49'38	19°13'24	morning set	1370 Oct 29 j 10:42	5°♏06'39	
	1369 Nov 01 j 15:16	0°♐		desc. node	1370 Nov 07 j 06:52	19°♏13'20	
morning set	1369 Nov 18 j 07:01	25°♐15'24					
desc. node	1369 Nov 20 j 09:50	28°♐33'22		superior conj	1370 Nov 14 j 01:59	29°♐56'34	-0°44'11
	1369 Nov 21 j 08:04	0°♑		minimum elong	1370 Nov 13 j 20:17	29°♐34'11	0°43'27
max. Earth dist.	1369 Dec 02 j 06:02	17°♑06'15	1.44757 AU		1370 Nov 14 j 02:51	0°♑	
				max. Earth dist.	1370 Nov 15 j 00:52	1°♑26'30	1.45117 AU
superior conj	1369 Dec 05 j 00:46	21°♑30'13	-1°27'44	evening rise	1370 Nov 30 j 04:20	25°♑15'57	
minimum elong	1369 Dec 04 j 16:05	20°♑55'47	1°26'52		1370 Dec 03 j 04:10	0°♒	
	1369 Dec 10 j 08:25	0°♓		greatest brilliancy	1370 Dec 09 j 18:02	10°♓21'38	-0.8m
evening rise	1369 Dec 19 j 16:11	15°♓11'54		evening max el	1370 Dec 22 j 18:58	28°♓28'06	19°07'22
	1369 Dec 28 j 16:12	0°♈			1370 Dec 24 j 09:58	0°♈	
evening max el	1370 Jan 08 j 09:18	15°♈01'03	18°30'08	asc. node	1370 Dec 26 j 12:53	1°♈30'23	
asc. node	1370 Jan 08 j 15:50	15°♈17'25		retrograde	1370 Dec 29 j 17:57	2°♈26'12	
retrograde	1370 Jan 14 j 22:36	18°♈37'20		evening set	1371 Jan 02 j 01:51	1°♈21'43	
evening set	1370 Jan 18 j 00:11	17°♈45'07			1371 Jan 03 j 19:08	30°♈♓	
inferior conj	1370 Jan 23 j 20:46	12°♈12'54	3°39'25	inferior conj	1371 Jan 07 j 16:23	25°♓32'54	3°19'01
minimum elong	1370 Jan 23 j 19:19	12°♈17'10	3°39'17	minimum elong	1371 Jan 07 j 14:00	25°♓40'28	3°18'34
min. Earth dist.	1370 Jan 25 j 23:09	9°♈45'19	0.64494 AU	min. Earth dist.	1371 Jan 09 j 03:32	23°♓41'28	0.65895 AU
morning rise	1370 Jan 29 j 13:55	6°♈05'47		morning rise	1371 Jan 13 j 01:54	19°♓21'42	
direct	1370 Feb 05 j 10:03	3°♈14'50		direct	1371 Jan 19 j 12:28	16°♓32'12	
desc. node	1370 Feb 16 j 09:00	8°♈40'22		morning max el	1371 Feb 01 j 07:58	24°♓05'37	26°25'55
morning max el	1370 Feb 18 j 22:11	11°♈04'27	27°21'43	desc. node	1371 Feb 03 j 06:04	26°♓06'16	
	1370 Mar 05 j 22:16	0°♉			1371 Feb 06 j 15:36	0°♉	
	1370 Mar 23 j 18:10	0°♊			1371 Feb 27 j 07:39	0°♊	
morning set	1370 Mar 26 j 05:14	4°♊44'36		morning set	1371 Mar 09 j 10:03	17°♊53'59	
max. Earth dist.	1370 Mar 31 j 00:16	14°♊23'18	1.33600 AU	max. Earth dist.	1371 Mar 13 j 13:00	25°♊50'16	1.34920 AU
					1371 Mar 15 j 15:12	0°♋	
superior conj	1370 Apr 03 j 07:04	21°♋15'38	-0°34'31				
minimum elong	1370 Apr 03 j 08:47	21°♋24'41	0°34'10	superior conj	1371 Mar 18 j 05:34	5°♋16'55	-1°01'56
asc. node	1370 Apr 06 j 15:09	28°♋22'14		minimum elong	1371 Mar 18 j 08:37	5°♋32'36	1°01'23
	1370 Apr 07 j 09:27	0°♌		asc. node	1371 Mar 24 j 12:11	18°♋19'47	
evening rise	1370 Apr 10 j 13:07	6°♌41'21		evening rise	1371 Mar 25 j 21:40	21°♋13'16	
	1370 Apr 23 j 02:00	0°♍			1371 Mar 30 j 06:26	0°♌	
evening max el	1370 May 01 j 18:24	10°♍55'29	22°12'59	evening max el	1371 Apr 13 j 19:17	21°♌50'35	20°46'37
retrograde	1370 May 14 j 14:46	17°♍15'42		retrograde	1371 Apr 25 j 03:53	27°♌21'33	
desc. node	1370 May 15 j 08:11	17°♍14'31		evening set	1371 Apr 27 j 07:21	27°♌10'31	
evening set	1370 May 17 j 11:11	16°♍57'44		desc. node	1371 May 02 j 05:13	25°♌32'45	
min. Earth dist.	1370 May 26 j 00:37	13°♍17'34	0.55136 AU	inferior conj	1371 May 06 j 13:54	23°♌12'38	-1°15'47
inferior conj	1370 May 26 j 20:04	12°♍50'13	-3°08'21	minimum elong	1371 May 06 j 10:18	23°♌17'46	1°14'28
minimum elong	1370 May 26 j 12:30	13°♍00'53	3°06'09	min. Earth dist.	1371 May 07 j 13:10	22°♌39'23	0.54992 AU
morning rise	1370 Jun 04 j 15:33	8°♍57'21		morning rise	1371 May 15 j 12:47	19°♌05'31	
direct	1370 Jun 07 j 14:49	8°♍37'31		direct	1371 May 19 j 00:33	18°♌39'17	

morning max el	1371 Jun 01 j 04:04	24° $\text{U}$ 58'46	22°57'47	desc. node	1372 Apr 18 j 02:17	2° $\text{U}$ 15'30	
	1371 Jun 05 j 19:27	0° $\text{II}$			1372 Apr 22 j 04:53	30° $\text{R}$ $\text{Y}$	
asc. node	1371 Jun 20 j 11:29	23° $\text{II}$ 57'12		morning rise	1372 Apr 24 j 08:40	29° $\text{Y}$ 09'15	
	1371 Jun 23 j 10:30	0° $\text{E}$		direct	1372 Apr 28 j 18:27	28° $\text{Y}$ 25'40	
morning set	1371 Jun 23 j 21:21	0° $\text{E}$ 56'42			1372 May 05 j 05:31	0° $\text{U}$	
				morning max el	1372 May 12 j 19:06	5° $\text{U}$ 28'44	24°39'22
superior conj	1371 Jul 01 j 00:01	16° $\text{E}$ 07'44	1°31'07		1372 May 30 j 07:59	0° $\text{II}$	
minimum elong	1371 Jun 30 j 21:47	15° $\text{E}$ 55'49	1°30'54	asc. node	1372 Jun 06 j 08:32	13° $\text{II}$ 44'22	
max. Earth dist.	1371 Jul 03 j 17:46	21° $\text{E}$ 55'17	1.33894 AU	morning set	1372 Jun 07 j 09:14	15° $\text{II}$ 53'48	
	1371 Jul 07 j 16:22	0° $\text{O}$			1372 Jun 13 j 21:56	0° $\text{E}$	
evening rise	1371 Jul 08 j 17:08	2° $\text{O}$ 03'13					
	1371 Jul 24 j 13:45	0° $\text{M}$		superior conj	1372 Jun 14 j 09:03	1° $\text{E}$ 00'24	1°15'41
desc. node	1371 Jul 29 j 04:33	6° $\text{M}$ 52'04		minimum elong	1372 Jun 14 j 06:37	0° $\text{E}$ 47'10	1°15'20
evening max el	1371 Aug 12 j 02:17	23° $\text{M}$ 41'49	27°16'24	max. Earth dist.	1372 Jun 15 j 22:24	4° $\text{E}$ 22'49	1.32947 AU
	1371 Aug 20 j 22:22	0° $\text{A}$		evening rise	1372 Jun 21 j 15:05	16° $\text{E}$ 22'23	
retrograde	1371 Aug 25 j 12:36	1° $\text{A}$ 00'34			1372 Jun 28 j 15:56	0° $\text{O}$	
	1371 Aug 29 j 19:48	30° $\text{R}$ $\text{M}$		desc. node	1372 Jul 15 j 01:34	25° $\text{O}$ 53'33	
evening set	1371 Sep 01 j 13:25	28° $\text{M}$ 16'26			1372 Jul 18 j 07:33	0° $\text{M}$	
min. Earth dist.	1371 Sep 05 j 07:52	24° $\text{M}$ 43'39	0.64673 AU	evening max el	1372 Jul 24 j 12:11	6° $\text{M}$ 42'29	27°25'04
inferior conj	1371 Sep 07 j 13:50	22° $\text{M}$ 16'33	-2°50'25	retrograde	1372 Aug 07 j 05:49	14° $\text{M}$ 00'38	
minimum elong	1371 Sep 07 j 18:13	22° $\text{M}$ 04'36	2°48'54	evening set	1372 Aug 14 j 10:50	11° $\text{M}$ 26'11	
morning rise	1371 Sep 13 j 23:55	16° $\text{M}$ 47'25		min. Earth dist.	1372 Aug 18 j 01:09	8° $\text{M}$ 24'31	0.63024 AU
asc. node	1371 Sep 16 j 10:42	16° $\text{M}$ 10'59		inferior conj	1372 Aug 20 j 19:42	5° $\text{M}$ 41'33	-3°43'12
direct	1371 Sep 16 j 15:31	16° $\text{M}$ 10'46		minimum elong	1372 Aug 21 j 00:51	5° $\text{M}$ 28'53	3°41'48
morning max el	1371 Sep 23 j 03:37	19° $\text{M}$ 38'43	18°01'48	morning rise	1372 Aug 27 j 16:12	0° $\text{M}$ 30'11	
	1371 Sep 30 j 21:25	0° $\text{A}$		direct	1372 Aug 30 j 03:50	0° $\text{M}$ 01'19	
morning set	1371 Oct 10 j 19:13	16° $\text{A}$ 22'40		asc. node	1372 Sep 02 j 07:46	0° $\text{M}$ 49'10	
	1371 Oct 18 j 23:55	0° $\text{M}$		morning max el	1372 Sep 05 j 19:39	3° $\text{M}$ 27'11	17°52'01
				morning set	1372 Sep 22 j 03:41	28° $\text{M}$ 47'29	
					1372 Sep 22 j 20:08	0° $\text{A}$	
superior conj	1371 Oct 24 j 11:16	8° $\text{M}$ 52'13	0°04'39				
minimum elong	1371 Oct 24 j 11:50	8° $\text{M}$ 54'29	0°04'35	superior conj	1372 Oct 03 j 20:28	18° $\text{A}$ 59'29	0°47'19
behind sun begin	1371 Oct 24 j 01:40	8° $\text{M}$ 13'41		minimum elong	1372 Oct 04 j 00:44	19° $\text{A}$ 17'20	0°46'46
behind sun end	1371 Oct 24 j 22:00	9° $\text{M}$ 35'13		max. Earth dist.	1372 Oct 10 j 11:31	29° $\text{A}$ 52'18	1.43668 AU
desc. node	1371 Oct 25 j 03:53	9° $\text{M}$ 58'46			1372 Oct 10 j 13:26	0° $\text{M}$	
max. Earth dist.	1371 Oct 28 j 19:46	15° $\text{M}$ 48'14	1.44733 AU	desc. node	1372 Oct 11 j 00:54	0° $\text{M}$ 46'06	
	1371 Nov 06 j 21:34	0° $\text{X}$		evening rise	1372 Oct 19 j 04:04	13° $\text{M}$ 34'52	
evening rise	1371 Nov 09 j 20:16	4° $\text{X}$ 33'21			1372 Oct 30 j 00:04	0° $\text{X}$	
greatest brilliancy	1371 Nov 23 j 20:04	25° $\text{X}$ 50'15	-0.6m	evening max el	1372 Nov 17 j 23:54	25° $\text{X}$ 26'59	21°06'58
	1371 Nov 26 j 16:29	0° $\text{Z}$			1372 Nov 24 j 00:55	0° $\text{Z}$	
evening max el	1371 Dec 06 j 00:12	11° $\text{Z}$ 57'14	20°00'30	retrograde	1372 Nov 26 j 13:18	0° $\text{Z}$ 31'41	
asc. node	1371 Dec 13 j 09:57	16° $\text{Z}$ 25'24			1372 Nov 28 j 22:33	30° $\text{R}$ $\text{X}$	
retrograde	1371 Dec 13 j 15:39	16° $\text{Z}$ 25'43		asc. node	1372 Nov 29 j 07:01	29° $\text{X}$ 49'45	
evening set	1371 Dec 17 j 07:24	15° $\text{Z}$ 07'37		evening set	1372 Nov 30 j 14:49	28° $\text{X}$ 58'21	
inferior conj	1371 Dec 22 j 18:10	9° $\text{Z}$ 05'06	2°47'55	inferior conj	1372 Dec 05 j 23:38	22° $\text{X}$ 45'25	2°08'31
minimum elong	1371 Dec 22 j 15:29	9° $\text{Z}$ 14'05	2°47'10	minimum elong	1372 Dec 05 j 21:11	22° $\text{X}$ 53'51	2°07'41
min. Earth dist.	1371 Dec 23 j 15:32	7° $\text{Z}$ 53'37	0.66895 AU	min. Earth dist.	1372 Dec 06 j 08:48	22° $\text{X}$ 13'51	0.67512 AU
morning rise	1371 Dec 27 j 23:21	2° $\text{Z}$ 51'54		morning rise	1372 Dec 11 j 03:22	16° $\text{X}$ 32'13	
direct	1372 Jan 02 j 20:40	0° $\text{Z}$ 14'41		direct	1372 Dec 16 j 09:50	14° $\text{X}$ 14'16	
morning max el	1372 Jan 14 j 16:54	7° $\text{Z}$ 18'15	25°09'26	morning max el	1372 Dec 27 j 01:25	20° $\text{X}$ 35'11	23°42'32
desc. node	1372 Jan 21 j 03:08	14° $\text{Z}$ 35'06			1373 Jan 04 j 03:00	0° $\text{Z}$	
	1372 Feb 01 j 10:08	0° $\text{A}$		desc. node	1373 Jan 07 j 00:10	3° $\text{Z}$ 48'14	
morning set	1372 Feb 19 j 22:02	0° $\text{X}$ 09'41			1373 Jan 24 j 15:46	0° $\text{A}$	
	1372 Feb 19 j 19:53	0° $\text{X}$		morning set	1373 Jan 31 j 11:03	11° $\text{A}$ 14'57	
max. Earth dist.	1372 Feb 23 j 14:21	6° $\text{X}$ 53'28	1.36676 AU	max. Earth dist.	1373 Feb 04 j 09:14	18° $\text{A}$ 03'10	1.38740 AU
					1373 Feb 10 j 22:59	0° $\text{X}$	
superior conj	1372 Feb 29 j 18:47	18° $\text{X}$ 46'11	-1°27'29				
minimum elong	1372 Feb 29 j 22:48	19° $\text{X}$ 05'59	1°26'56	superior conj	1373 Feb 11 j 19:00	1° $\text{X}$ 33'52	-1°48'38
	1372 Mar 06 j 09:08	0° $\text{Y}$		minimum elong	1373 Feb 11 j 22:58	1° $\text{X}$ 52'33	1°48'18
evening rise	1372 Mar 09 j 01:28	5° $\text{Y}$ 25'15		evening rise	1373 Feb 20 j 21:51	19° $\text{X}$ 10'19	
asc. node	1372 Mar 10 j 09:15	8° $\text{Y}$ 04'32		asc. node	1373 Feb 25 j 06:18	27° $\text{X}$ 31'24	
	1372 Mar 23 j 06:23	0° $\text{U}$			1373 Feb 26 j 14:28	0° $\text{Y}$	
evening max el	1372 Mar 26 j 07:53	3° $\text{U}$ 24'08	19°37'05	evening max el	1373 Mar 09 j 07:04	15° $\text{Y}$ 36'31	18°47'15
retrograde	1372 Apr 04 j 23:06	8° $\text{U}$ 02'45		retrograde	1373 Mar 17 j 10:29	19° $\text{Y}$ 33'57	
evening set	1372 Apr 07 j 00:37	7° $\text{U}$ 50'55		evening set	1373 Mar 19 j 17:04	19° $\text{Y}$ 16'37	
inferior conj	1372 Apr 15 j 16:13	3° $\text{U}$ 47'10	0°41'28	inferior conj	1373 Mar 27 j 13:15	14° $\text{Y}$ 56'20	2°14'12
minimum elong	1372 Apr 15 j 17:58	3° $\text{U}$ 44'23	0°40'50	minimum elong	1373 Mar 27 j 17:20	14° $\text{Y}$ 48'49	2°13'02
min. Earth dist.	1372 Apr 18 j 03:32	2° $\text{U}$ 13'33	0.55804 AU				

min. Earth dist.	1373 Mar 30 j 20:24	12° $\Upsilon$ 32'00	0.57395 AU	minimum elong	1374 Mar 09 j 10:47	26° $\text{X}$ 37'54	3°12'05
morning rise	1373 Apr 04 j 14:29	9° $\Upsilon$ 45'05		min. Earth dist.	1374 Mar 12 j 17:31	23° $\text{X}$ 50'17	0.59431 AU
desc. node	1373 Apr 04 j 23:19	9° $\Upsilon$ 35'41		morning rise	1374 Mar 16 j 13:56	21° $\text{X}$ 07'48	
direct	1373 Apr 10 j 02:27	8° $\Upsilon$ 31'12		direct	1374 Mar 22 j 23:12	19° $\text{X}$ 17'07	
morning max el	1373 Apr 24 j 10:35	16° $\Upsilon$ 01'57	26°10'20	desc. node	1374 Mar 22 j 20:22	19° $\text{X}$ 17'09	
	1373 May 05 j 18:43	0° $\text{Z}$		morning max el	1374 Apr 06 j 07:03	27° $\text{X}$ 02'43	27°16'07
	1373 May 22 j 11:12	0° $\Pi$			1374 Apr 09 j 02:45	0° $\Upsilon$	
morning set	1373 May 22 j 20:28	0° $\Pi$ 48'37			1374 Apr 29 j 06:58	0° $\text{Z}$	
asc. node	1373 May 24 j 05:34	3° $\Pi$ 44'17		morning set	1374 May 07 j 05:18	15° $\text{Z}$ 34'20	
				asc. node	1374 May 11 j 02:35	23° $\text{Z}$ 51'16	
					1374 May 13 j 22:02	0° $\Pi$	
superior conj	1373 May 29 j 20:20	15° $\Pi$ 58'40	0°56'16	superior conj	1374 May 14 j 08:04	0° $\Pi$ 55'08	0°33'35
minimum elong	1373 May 29 j 18:12	15° $\Pi$ 46'54	0°55'52	minimum elong	1374 May 14 j 06:37	0° $\Pi$ 47'14	0°33'16
max. Earth dist.	1373 May 30 j 08:46	17° $\Pi$ 06'54	1.32397 AU	max. Earth dist.	1374 May 13 j 21:16	29° $\text{Z}$ 55'46	1.32229 AU
	1373 Jun 05 j 08:09	0° $\text{Z}$		evening rise	1374 May 21 j 05:01	15° $\Pi$ 50'58	
evening rise	1373 Jun 05 j 19:55	1° $\text{Z}$ 01'28			1374 May 28 j 06:51	0° $\text{Z}$	
	1373 Jun 21 j 16:26	0° $\Omega$			1374 Jun 17 j 22:16	0° $\Omega$	
desc. node	1373 Jul 01 j 22:35	14° $\Omega$ 01'12		evening max el	1374 Jun 18 j 16:41	0° $\Omega$ 44'48	26°04'46
evening max el	1373 Jul 06 j 17:48	19° $\Omega$ 06'52	27°01'13	desc. node	1374 Jun 18 j 19:37	0° $\Omega$ 51'45	
retrograde	1373 Jul 20 j 15:51	26° $\Omega$ 21'36		retrograde	1374 Jul 02 j 16:53	7° $\Omega$ 55'40	
evening set	1373 Jul 27 j 15:58	24° $\Omega$ 10'30		evening set	1374 Jul 09 j 00:00	6° $\Omega$ 19'28	
min. Earth dist.	1373 Jul 31 j 08:03	21° $\Omega$ 29'10	0.61095 AU	min. Earth dist.	1374 Jul 13 j 05:20	3° $\Omega$ 42'14	0.59035 AU
inferior conj	1373 Aug 03 j 12:31	18° $\Omega$ 44'12	-4°26'34	inferior conj	1374 Jul 16 j 12:37	1° $\Omega$ 13'47	-4°51'54
minimum elong	1373 Aug 03 j 17:05	18° $\Omega$ 34'16	4°25'45	minimum elong	1374 Jul 16 j 14:24	1° $\Omega$ 10'26	4°51'48
morning rise	1373 Aug 10 j 19:57	13° $\Omega$ 53'27			1374 Jul 18 j 04:34	30° $\text{R}$ $\text{Z}$	
direct	1373 Aug 13 j 06:21	13° $\Omega$ 29'33		morning rise	1374 Jul 24 j 06:59	26° $\text{Z}$ 45'48	
asc. node	1373 Aug 20 j 04:48	16° $\Omega$ 50'52		direct	1374 Jul 26 j 18:44	26° $\text{Z}$ 24'52	
morning max el	1373 Aug 20 j 09:20	17° $\Omega$ 01'45	18°00'58		1374 Aug 03 j 11:54	0° $\Omega$	
	1373 Aug 29 j 13:49	0° $\text{R}$		morning max el	1374 Aug 03 j 17:30	0° $\Omega$ 13'07	18°29'59
morning set	1373 Sep 05 j 05:59	12° $\text{R}$ 03'41		asc. node	1374 Aug 07 j 01:49	4° $\Omega$ 00'23	
				morning set	1374 Aug 19 j 20:55	25° $\Omega$ 56'23	
superior conj	1373 Sep 15 j 08:42	0° $\text{Z}$ 26'22	1°18'19		1374 Aug 21 j 23:27	0° $\text{R}$	
minimum elong	1373 Sep 15 j 13:09	0° $\text{Z}$ 45'58	1°17'50	superior conj	1374 Aug 28 j 19:46	13° $\text{R}$ 00'48	1°37'09
	1373 Sep 15 j 02:43	0° $\text{Z}$		minimum elong	1374 Aug 28 j 22:36	13° $\text{R}$ 13'55	1°36'56
max. Earth dist.	1373 Sep 22 j 22:39	13° $\text{Z}$ 25'19	1.42060 AU	max. Earth dist.	1374 Sep 05 j 04:53	26° $\text{R}$ 17'11	1.40103 AU
desc. node	1373 Sep 27 j 21:55	21° $\text{Z}$ 32'13			1374 Sep 07 j 08:42	0° $\text{Z}$	
evening rise	1373 Sep 28 j 21:18	23° $\text{Z}$ 05'41		evening rise	1374 Sep 09 j 12:01	3° $\text{Z}$ 36'17	
	1373 Oct 03 j 06:50	0° $\text{R}$		desc. node	1374 Sep 14 j 18:56	12° $\text{Z}$ 13'24	
	1373 Oct 24 j 02:48	0° $\text{Z}$			1374 Sep 26 j 12:53	0° $\text{R}$	
evening max el	1373 Oct 31 j 18:12	8° $\text{Z}$ 58'21	22°22'49	evening max el	1374 Oct 14 j 08:20	22° $\text{R}$ 32'38	23°42'48
retrograde	1373 Nov 10 j 09:04	14° $\text{Z}$ 41'25		retrograde	1374 Oct 25 j 01:46	28° $\text{R}$ 52'07	
evening set	1373 Nov 14 j 22:23	12° $\text{Z}$ 51'18		evening set	1374 Oct 30 j 04:30	26° $\text{R}$ 44'31	
asc. node	1373 Nov 16 j 04:03	11° $\text{Z}$ 42'46		asc. node	1374 Nov 03 j 01:04	22° $\text{R}$ 26'04	
inferior conj	1373 Nov 20 j 06:50	6° $\text{Z}$ 31'28	1°22'37	min. Earth dist.	1374 Nov 04 j 01:27	21° $\text{R}$ 04'08	0.67698 AU
minimum elong	1373 Nov 20 j 05:03	6° $\text{Z}$ 37'39	1°21'55	inferior conj	1374 Nov 04 j 13:57	20° $\text{R}$ 21'31	0°31'37
min. Earth dist.	1373 Nov 20 j 04:54	6° $\text{Z}$ 38'09	0.67775 AU	minimum elong	1374 Nov 04 j 13:12	20° $\text{R}$ 24'04	0°31'19
morning rise	1373 Nov 25 j 11:33	0° $\text{Z}$ 20'23		morning rise	1374 Nov 09 j 21:51	14° $\text{R}$ 14'47	
	1373 Nov 25 j 21:44	30° $\text{R}$ $\text{R}$		direct	1374 Nov 13 j 23:21	12° $\text{R}$ 41'54	
direct	1373 Nov 30 j 03:04	28° $\text{R}$ 24'56		morning max el	1374 Nov 22 j 06:14	17° $\text{R}$ 30'21	20°54'32
	1373 Dec 04 j 19:10	0° $\text{Z}$			1374 Dec 02 j 07:45	0° $\text{Z}$	
morning max el	1373 Dec 09 j 12:40	3° $\text{Z}$ 57'39	22°14'58	desc. node	1374 Dec 11 j 18:12	13° $\text{Z}$ 40'53	
desc. node	1373 Dec 24 j 21:11	23° $\text{Z}$ 33'02		morning set	1374 Dec 22 j 01:18	29° $\text{Z}$ 24'41	
	1373 Dec 29 j 07:21	0° $\text{Z}$			1374 Dec 22 j 10:20	0° $\text{Z}$	
morning set	1374 Jan 11 j 19:28	20° $\text{Z}$ 56'00		max. Earth dist.	1374 Dec 30 j 10:34	12° $\text{Z}$ 46'03	1.42792 AU
	1374 Jan 17 j 07:12	0° $\approx$		superior conj	1375 Jan 06 j 08:36	24° $\text{Z}$ 14'33	-2°02'31
max. Earth dist.	1374 Jan 17 j 06:12	29° $\text{Z}$ 55'48	1.40880 AU	minimum elong	1375 Jan 06 j 06:21	24° $\text{Z}$ 05'04	2°02'27
					1375 Jan 09 j 17:27	0° $\approx$	
superior conj	1374 Jan 25 j 01:22	13° $\approx$ 27'22	-2°01'51	evening rise	1375 Jan 18 j 02:44	14° $\approx$ 46'04	
minimum elong	1374 Jan 25 j 03:26	13° $\approx$ 36'37	2°01'47		1375 Jan 26 j 19:36	0° $\text{Z}$	
	1374 Feb 03 j 01:40	0° $\text{Z}$		asc. node	1375 Jan 30 j 00:23	5° $\text{Z}$ 02'45	
evening rise	1374 Feb 04 j 07:33	2° $\text{Z}$ 19'48		evening max el	1375 Feb 04 j 00:57	11° $\text{Z}$ 22'36	18°07'23
asc. node	1374 Feb 12 j 03:20	16° $\text{Z}$ 33'22		retrograde	1375 Feb 10 j 15:12	14° $\text{Z}$ 46'50	
evening max el	1374 Feb 20 j 13:50	28° $\text{Z}$ 18'51	18°17'27	evening set	1375 Feb 13 j 08:39	14° $\text{Z}$ 11'43	
	1374 Feb 22 j 13:25	0° $\Upsilon$		inferior conj	1375 Feb 19 j 20:33	9° $\text{Z}$ 09'30	3°40'31
retrograde	1374 Feb 27 j 16:49	1° $\Upsilon$ 51'46					
evening set	1374 Mar 02 j 05:14	1° $\Upsilon$ 26'12					
	1374 Mar 05 j 02:55	30° $\text{R}$ $\text{Z}$					
inferior conj	1374 Mar 09 j 07:28	26° $\text{Z}$ 45'03	3°12'41				

minimum elong	1375 Feb 19 j 21:51	9° $\text{H}$ 06'15	3°40'26	evening set	1376 Jan 27 j 23:11	27° $\approx$ 22'51	
min. Earth dist.	1375 Feb 22 j 21:57	6° $\text{H}$ 09'06	0.61558 AU	inferior conj	1376 Feb 03 j 00:27	22° $\approx$ 01'05	3°44'57
morning rise	1375 Feb 26 j 09:35	3° $\text{H}$ 15'25		minimum elong	1376 Feb 02 j 23:50	22° $\approx$ 02'46	3°44'55
direct	1375 Mar 05 j 06:28	0° $\text{H}$ 51'33		min. Earth dist.	1376 Feb 05 j 11:47	19° $\approx$ 16'44	0.63514 AU
desc. node	1375 Mar 09 j 17:23	1° $\text{H}$ 46'18		morning rise	1376 Feb 08 j 23:40	15° $\approx$ 57'08	
morning max el	1375 Mar 19 j 10:01	8° $\text{H}$ 44'50	27°47'05	direct	1376 Feb 15 j 22:20	13° $\approx$ 11'43	
	1375 Apr 04 j 18:21	0° $\text{Y}$		desc. node	1376 Feb 24 j 14:25	16° $\approx$ 37'54	
morning set	1375 Apr 21 j 09:53	0° $\text{B}$ 04'54		morning max el	1376 Feb 29 j 17:46	21° $\approx$ 06'06	27°40'48
	1375 Apr 21 j 08:55	0° $\text{B}$			1376 Mar 08 j 11:23	0° $\text{H}$	
max. Earth dist.	1375 Apr 27 j 07:59	12° $\text{B}$ 36'17	1.32439 AU		1376 Mar 27 j 20:06	0° $\text{Y}$	
asc. node	1375 Apr 27 j 23:38	14° $\text{B}$ 01'15		morning set	1376 Apr 04 j 07:50	14° $\text{Y}$ 12'19	
				max. Earth dist.	1376 Apr 09 j 12:50	24° $\text{Y}$ 54'28	1.33048 AU
					1376 Apr 11 j 22:15	0° $\text{B}$	
superior conj	1375 Apr 28 j 18:34	15° $\text{B}$ 44'28	0°08'21				
minimum elong	1375 Apr 28 j 18:11	15° $\text{B}$ 42'21	0°08'15	superior conj	1376 Apr 12 j 02:06	0° $\text{B}$ 20'39	-0°18'38
behind sun begin	1375 Apr 28 j 13:48	15° $\text{B}$ 18'24		minimum elong	1376 Apr 12 j 03:01	0° $\text{B}$ 25'31	0°18'26
behind sun end	1375 Apr 28 j 22:34	16° $\text{B}$ 06'18		asc. node	1376 Apr 13 j 20:42	4° $\text{B}$ 09'57	
	1375 May 05 j 08:06	0° $\text{II}$		evening rise	1376 Apr 19 j 04:10	15° $\text{B}$ 34'02	
evening rise	1375 May 05 j 16:24	0° $\text{II}$ 44'03			1376 Apr 26 j 09:41	0° $\text{II}$	
	1375 May 21 j 18:55	0° $\text{B}$		evening max el	1376 May 11 j 22:49	22° $\text{II}$ 10'28	23°07'25
evening max el	1375 May 31 j 08:48	11° $\text{B}$ 38'54	24°42'24	desc. node	1376 May 22 j 13:39	28° $\text{II}$ 34'44	
desc. node	1375 Jun 05 j 16:38	15° $\text{B}$ 54'51		retrograde	1376 May 25 j 09:45	28° $\text{II}$ 53'04	
retrograde	1375 Jun 14 j 07:20	18° $\text{B}$ 42'38		evening set	1376 May 28 j 23:06	28° $\text{II}$ 25'18	
evening set	1375 Jun 19 j 08:32	17° $\text{B}$ 44'56		min. Earth dist.	1376 Jun 05 j 08:16	25° $\text{II}$ 06'23	0.55628 AU
min. Earth dist.	1375 Jun 24 j 20:01	14° $\text{B}$ 53'53	0.57100 AU	inferior conj	1376 Jun 07 j 02:00	24° $\text{II}$ 05'30	-3°57'59
inferior conj	1375 Jun 27 j 17:05	13° $\text{B}$ 01'35	-4°46'43	minimum elong	1376 Jun 06 j 18:40	24° $\text{II}$ 16'14	3°56'20
minimum elong	1375 Jun 27 j 13:55	13° $\text{B}$ 06'45	4°46'28	morning rise	1376 Jun 15 j 16:49	20° $\text{II}$ 12'00	
morning rise	1375 Jul 05 j 22:03	8° $\text{B}$ 55'06		direct	1376 Jun 18 j 11:45	19° $\text{II}$ 53'24	
direct	1375 Jul 08 j 12:47	8° $\text{B}$ 35'58		morning max el	1376 Jun 29 j 06:17	24° $\text{II}$ 52'37	20°31'05
morning max el	1375 Jul 17 j 17:13	12° $\text{B}$ 52'41	19°20'01		1376 Jul 03 j 20:37	0° $\text{B}$	
asc. node	1375 Jul 24 j 22:50	22° $\text{B}$ 03'27		asc. node	1376 Jul 10 j 19:54	10° $\text{B}$ 47'55	
	1375 Jul 29 j 13:32	0° $\Omega$		morning set	1376 Jul 18 j 02:30	24° $\text{B}$ 53'03	
morning set	1375 Aug 03 j 20:41	10° $\Omega$ 15'14			1376 Jul 20 j 14:06	0° $\Omega$	
superior conj	1375 Aug 12 j 00:03	26° $\Omega$ 26'57	1°45'24	superior conj	1376 Jul 25 j 16:44	10° $\Omega$ 31'04	1°45'04
minimum elong	1375 Aug 12 j 00:54	26° $\Omega$ 31'04	1°45'23	minimum elong	1376 Jul 25 j 15:56	10° $\Omega$ 27'01	1°45'03
	1375 Aug 13 j 20:06	0° $\text{H}$		max. Earth dist.	1376 Jul 30 j 14:55	20° $\Omega$ 18'46	1.36174 AU
max. Earth dist.	1375 Aug 18 j 08:25	8° $\text{H}$ 28'13	1.38058 AU	evening rise	1376 Aug 03 j 15:11	27° $\Omega$ 54'46	
evening rise	1375 Aug 22 j 02:57	15° $\text{H}$ 14'42			1376 Aug 04 j 18:27	0° $\text{H}$	
	1375 Aug 30 j 22:11	0° $\Omega$		desc. node	1376 Aug 18 j 12:59	23° $\text{H}$ 02'43	
desc. node	1375 Sep 01 j 15:57	2° $\Omega$ 45'13			1376 Aug 23 j 05:42	0° $\Omega$	
	1375 Sep 21 j 05:01	0° $\text{H}$		evening max el	1376 Sep 08 j 08:06	19° $\Omega$ 48'34	26°08'08
evening max el	1375 Sep 26 j 20:17	6° $\text{H}$ 09'44	25°00'23	retrograde	1376 Sep 20 j 22:28	26° $\Omega$ 57'16	
retrograde	1375 Oct 08 j 14:27	12° $\text{H}$ 59'03		evening set	1376 Sep 27 j 05:32	24° $\Omega$ 20'06	
evening set	1375 Oct 14 j 07:30	10° $\text{H}$ 34'58		min. Earth dist.	1376 Oct 01 j 10:34	19° $\Omega$ 49'54	0.66549 AU
min. Earth dist.	1375 Oct 18 j 20:06	5° $\text{H}$ 28'55	0.67290 AU	inferior conj	1376 Oct 02 j 20:56	18° $\Omega$ 03'07	-1°20'15
inferior conj	1375 Oct 19 j 19:15	4° $\text{H}$ 12'49	-0°23'09	minimum elong	1376 Oct 02 j 23:02	17° $\Omega$ 56'37	1°19'23
minimum elong	1375 Oct 19 j 19:49	4° $\text{H}$ 10'55	0°22'54	asc. node	1376 Oct 06 j 19:07	13° $\Omega$ 39'09	
asc. node	1375 Oct 20 j 22:05	2° $\text{H}$ 45'35		morning rise	1376 Oct 08 j 16:56	12° $\Omega$ 12'28	
	1375 Oct 23 j 06:40	30° $\text{R}$ $\Omega$		direct	1376 Oct 11 j 19:47	11° $\Omega$ 16'51	
morning rise	1375 Oct 25 j 08:18	28° $\Omega$ 12'47		morning max el	1376 Oct 18 j 16:07	15° $\Omega$ 05'34	18°52'38
direct	1375 Oct 28 j 21:24	27° $\Omega$ 00'19			1376 Oct 29 j 18:11	0° $\text{H}$	
	1375 Nov 04 j 00:32	0° $\text{H}$		morning set	1376 Nov 09 j 09:28	16° $\text{H}$ 37'12	
morning max el	1375 Nov 05 j 07:37	1° $\text{H}$ 13'46	19°46'10	desc. node	1376 Nov 14 j 12:16	24° $\text{H}$ 40'13	
greatest brilliancy	1375 Nov 18 j 18:56	19° $\text{H}$ 07'21	-0.7m		1376 Nov 17 j 21:44	0° $\text{H}$	
	1375 Nov 25 j 23:26	0° $\text{H}$		max. Earth dist.	1376 Nov 24 j 14:38	10° $\text{H}$ 31'35	1.44998 AU
desc. node	1375 Nov 28 j 15:13	4° $\text{H}$ 04'48					
morning set	1375 Nov 30 j 21:39	7° $\text{H}$ 34'42		superior conj	1376 Nov 25 j 20:04	12° $\text{H}$ 27'22	-1°10'44
max. Earth dist.	1375 Dec 12 j 22:06	26° $\text{H}$ 23'26	1.44220 AU	minimum elong	1376 Nov 25 j 11:51	11° $\text{H}$ 55'03	1°09'48
	1375 Dec 15 j 04:23	0° $\text{B}$			1376 Dec 06 j 21:15	0° $\text{B}$	
				evening rise	1376 Dec 11 j 04:44	6° $\text{B}$ 56'51	
superior conj	1375 Dec 17 j 13:16	3° $\text{B}$ 48'45	-1°45'56		1376 Dec 25 j 17:21	0° $\approx$	
minimum elong	1375 Dec 17 j 05:55	3° $\text{B}$ 19'05	1°45'22	evening max el	1377 Jan 01 j 00:53	8° $\approx$ 04'32	18°43'53
evening rise	1375 Dec 31 j 03:02	26° $\text{B}$ 20'13		asc. node	1377 Jan 02 j 18:27	9° $\approx$ 40'26	
	1376 Jan 02 j 06:46	0° $\approx$		retrograde	1377 Jan 07 j 17:34	11° $\approx$ 49'04	
asc. node	1376 Jan 16 j 21:25	22° $\approx$ 49'08		evening set	1377 Jan 10 j 21:35	10° $\approx$ 51'59	
evening max el	1376 Jan 18 j 13:29	24° $\approx$ 39'35	18°16'30	inferior conj	1377 Jan 16 j 15:18	5° $\approx$ 12'35	3°32'15
retrograde	1376 Jan 25 j 00:49	28° $\approx$ 08'26					

minimum elong	1377 Jan 16 j 13:23	5° $\approx$ 18'27	3°31'59	evening set	1377 Dec 26 j 01:10	24° $\approx$ 33'06	
min. Earth dist.	1377 Jan 18 j 11:11	2° $\approx$ 59'12	0.65141 AU	inferior conj	1377 Dec 31 j 13:52	18° $\approx$ 38'23	3°06'58
	1377 Jan 21 j 04:12	30° $\approx$ 8'3		minimum elong	1377 Dec 31 j 11:17	18° $\approx$ 34'47	3°06'22
morning rise	1377 Jan 22 j 04:46	29° $\approx$ 3'03'14		min. Earth dist.	1378 Jan 01 j 19:02	17° $\approx$ 3'03'34	0.66371 AU
direct	1377 Jan 28 j 21:29	26° $\approx$ 3'10'59		morning rise	1378 Jan 05 j 21:11	12° $\approx$ 3'26'15	
	1377 Feb 06 j 18:07	0° $\approx$		direct	1378 Jan 12 j 02:35	9° $\approx$ 3'40'35	
desc. node	1377 Feb 10 j 11:28	3° $\approx$ 16'36		morning max el	1378 Jan 24 j 12:42	17° $\approx$ 3'02'45	25°55'17
morning max el	1377 Feb 11 j 03:26	3° $\approx$ 56'05	27°00'58	desc. node	1378 Jan 28 j 08:32	21° $\approx$ 3'12'01	
	1377 Mar 02 j 21:42	0° $\approx$			1378 Feb 04 j 08:26	0° $\approx$	
morning set	1377 Mar 18 j 20:05	27° $\approx$ 8'46'41			1378 Feb 23 j 19:59	0° $\approx$	
	1377 Mar 19 j 23:35	0° $\approx$		morning set	1378 Mar 01 j 18:29	10° $\approx$ 8'35'48	
max. Earth dist.	1377 Mar 23 j 07:56	6° $\approx$ 9'39'34	1.34102 AU	max. Earth dist.	1378 Mar 05 j 15:24	17° $\approx$ 8'53'38	1.35618 AU
superior conj	1377 Mar 27 j 04:38	14° $\approx$ 9'37'12	-0°46'16	superior conj	1378 Mar 10 j 23:40	28° $\approx$ 8'26'58	-1°13'07
minimum elong	1377 Mar 27 j 06:56	14° $\approx$ 9'49'14	0°45'48	minimum elong	1378 Mar 11 j 03:12	28° $\approx$ 8'44'50	1°12'32
asc. node	1377 Mar 31 j 17:46	24° $\approx$ 9'13'00			1378 Mar 11 j 18:02	0° $\approx$	
	1377 Apr 03 j 11:41	0° $\approx$		evening rise	1378 Mar 18 j 21:20	14° $\approx$ 9'39'30	
evening rise	1377 Apr 03 j 14:28	0° $\approx$ 8'14'32		asc. node	1378 Mar 18 j 14:49	14° $\approx$ 9'06'13	
	1377 Apr 21 j 02:20	0° $\approx$			1378 Mar 26 j 20:24	0° $\approx$	
evening max el	1377 Apr 23 j 18:14	2° $\approx$ 2'50'23	21°34'35	evening max el	1378 Apr 06 j 00:13	14° $\approx$ 8'02'12	20°14'45
retrograde	1377 May 06 j 01:09	8° $\approx$ 2'50'56		retrograde	1378 Apr 16 j 14:50	19° $\approx$ 8'09'37	
evening set	1377 May 08 j 11:52	8° $\approx$ 2'37'24		evening set	1378 Apr 18 j 16:15	18° $\approx$ 8'58'52	
desc. node	1377 May 09 j 10:41	8° $\approx$ 2'25'10		desc. node	1378 Apr 26 j 07:43	15° $\approx$ 8'50'01	
inferior conj	1377 May 17 j 21:46	4° $\approx$ 2'36'13	-2°23'30	inferior conj	1378 Apr 27 j 17:34	15° $\approx$ 8'00'33	-0°24'34
minimum elong	1377 May 17 j 15:20	4° $\approx$ 2'45'14	2°21'22	minimum elong	1378 Apr 27 j 16:26	15° $\approx$ 8'02'14	0°24'09
min. Earth dist.	1377 May 17 j 20:39	4° $\approx$ 2'37'47	0.54950 AU	min. Earth dist.	1378 Apr 29 j 09:53	14° $\approx$ 8'01'07	0.55233 AU
morning rise	1377 May 26 j 19:35	0° $\approx$ 2'39'21		morning rise	1378 May 06 j 15:02	10° $\approx$ 8'41'50	
direct	1377 May 29 j 23:00	0° $\approx$ 2'17'44		direct	1378 May 10 j 11:29	10° $\approx$ 8'09'35	
morning max el	1377 Jun 11 j 08:05	6° $\approx$ 2'08'33	22°00'32	morning max el	1378 May 24 j 01:22	16° $\approx$ 8'48'59	23°41'09
asc. node	1377 Jun 27 j 16:58	0° $\approx$ 2'02'57			1378 Jun 03 j 15:35	0° $\approx$	
	1377 Jun 27 j 16:21	0° $\approx$		asc. node	1378 Jun 14 j 14:04	19° $\approx$ 2'40'35	
morning set	1377 Jul 02 j 12:06	9° $\approx$ 2'42'45		morning set	1378 Jun 16 j 23:39	24° $\approx$ 2'38'52	
					1378 Jun 19 j 11:59	0° $\approx$	
superior conj	1377 Jul 09 j 17:55	25° $\approx$ 2'00'45	1°37'51	superior conj	1378 Jun 24 j 00:45	9° $\approx$ 2'47'09	1°25'07
minimum elong	1377 Jul 09 j 16:02	24° $\approx$ 2'50'53	1°37'43	minimum elong	1378 Jun 23 j 22:22	9° $\approx$ 2'34'19	1°24'49
	1377 Jul 12 j 03:21	0° $\approx$		max. Earth dist.	1378 Jun 26 j 05:51	14° $\approx$ 2'31'19	1.33450 AU
max. Earth dist.	1377 Jul 13 j 05:37	2° $\approx$ 2'14'48	1.34618 AU	evening rise	1378 Jul 01 j 12:33	25° $\approx$ 2'26'44	
evening rise	1377 Jul 17 j 19:50	11° $\approx$ 2'22'56			1378 Jul 03 j 19:56	0° $\approx$	
	1377 Jul 28 j 03:50	0° $\approx$			1378 Jul 21 j 14:28	0° $\approx$	
desc. node	1377 Aug 05 j 10:01	12° $\approx$ 2'58'24		desc. node	1378 Jul 23 j 07:01	2° $\approx$ 2'23'00	
	1377 Aug 18 j 13:43	0° $\approx$		evening max el	1378 Aug 04 j 07:52	16° $\approx$ 2'38'42	27°23'52
evening max el	1377 Aug 21 j 20:20	3° $\approx$ 2'21'57	26°58'24	retrograde	1378 Aug 17 j 21:35	23° $\approx$ 2'56'45	
retrograde	1377 Sep 04 j 01:02	10° $\approx$ 2'39'07		evening set	1378 Aug 25 j 01:03	21° $\approx$ 2'15'31	
evening set	1377 Sep 10 j 20:20	7° $\approx$ 2'55'15		min. Earth dist.	1378 Aug 28 j 17:28	17° $\approx$ 2'56'39	0.64016 AU
min. Earth dist.	1377 Sep 14 j 18:28	4° $\approx$ 2'01'37	0.65459 AU	inferior conj	1378 Aug 31 j 04:46	15° $\approx$ 2'21'52	-3°13'35
inferior conj	1377 Sep 16 j 16:56	1° $\approx$ 2'47'53	-2°17'55	minimum elong	1378 Aug 31 j 09:35	15° $\approx$ 2'09'15	3°12'03
minimum elong	1377 Sep 16 j 20:33	1° $\approx$ 2'37'28	2°16'34	morning rise	1378 Sep 06 j 19:09	9° $\approx$ 2'59'36	
	1377 Sep 18 j 07:13	30° $\approx$ 8'7		direct	1378 Sep 09 j 08:50	9° $\approx$ 2'26'30	
morning rise	1377 Sep 22 j 21:28	26° $\approx$ 2'09'41		asc. node	1378 Sep 10 j 13:15	9° $\approx$ 2'33'38	
asc. node	1377 Sep 23 j 16:10	25° $\approx$ 2'09'19		morning max el	1378 Sep 15 j 21:31	12° $\approx$ 2'52'28	17°55'23
direct	1377 Sep 25 j 16:27	25° $\approx$ 2'27'06			1378 Sep 27 j 16:28	0° $\approx$	
morning max el	1377 Oct 02 j 05:37	29° $\approx$ 2'00'16	18°15'24	morning set	1378 Oct 02 j 21:06	8° $\approx$ 2'52'43	
	1377 Oct 03 j 04:14	0° $\approx$			1378 Oct 15 j 11:05	0° $\approx$	
morning set	1377 Oct 21 j 01:39	27° $\approx$ 2'05'20		superior conj	1378 Oct 15 j 16:10	0° $\approx$ 2'20'42	0°24'00
	1377 Oct 22 j 20:25	0° $\approx$		minimum elong	1378 Oct 15 j 18:47	0° $\approx$ 2'31'22	0°23'38
desc. node	1377 Nov 01 j 09:19	15° $\approx$ 2'22'47		desc. node	1378 Oct 19 j 06:19	6° $\approx$ 2'09'01	
				max. Earth dist.	1378 Oct 21 j 03:45	9° $\approx$ 2'10'32	1.44361 AU
superior conj	1377 Nov 04 j 22:02	20° $\approx$ 2'58'47	-0°23'23	evening rise	1378 Oct 31 j 17:44	25° $\approx$ 2'43'32	
minimum elong	1377 Nov 04 j 19:00	20° $\approx$ 2'46'48	0°22'58		1378 Nov 03 j 12:36	0° $\approx$	
max. Earth dist.	1377 Nov 07 j 09:29	24° $\approx$ 2'53'08	1.45043 AU		1378 Nov 24 j 03:51	0° $\approx$	
	1377 Nov 10 j 15:40	0° $\approx$		evening max el	1378 Nov 28 j 11:57	5° $\approx$ 2'02'44	20°27'25
evening rise	1377 Nov 21 j 07:18	16° $\approx$ 2'38'11		retrograde	1378 Dec 06 j 11:56	9° $\approx$ 2'45'37	
	1377 Nov 29 j 21:28	0° $\approx$		asc. node	1378 Dec 07 j 12:31	9° $\approx$ 2'39'42	
greatest brilliancy	1377 Dec 03 j 01:07	4° $\approx$ 2'50'16	-0.7m	evening set	1378 Dec 10 j 07:43	8° $\approx$ 2'21'03	
evening max el	1377 Dec 15 j 08:56	21° $\approx$ 2'33'20	19°28'14	inferior conj	1378 Dec 15 j 17:26	2° $\approx$ 2'13'45	2°32'05
asc. node	1377 Dec 20 j 15:28	25° $\approx$ 2'22'20					
retrograde	1377 Dec 22 j 14:07	25° $\approx$ 2'43'08					

minimum elong	1378 Dec 15 j 14:47	2° $\text{Z}$ 22'43	2°31'17	asc. node	1379 Nov 24 j 09:33	22° $\text{Z}$ 24'27	
min. Earth dist.	1378 Dec 16 j 09:23	1° $\text{Z}$ 19'35	0.67203 AU	evening set	1379 Nov 24 j 15:24	22° $\text{Z}$ 13'09	
	1378 Dec 17 j 09:12	30° $\text{K}$ $\text{Z}$		inferior conj	1379 Nov 29 j 23:51	15° $\text{Z}$ 56'37	1°49'45
morning rise	1378 Dec 20 j 21:42	26° $\text{Z}$ 00'37		minimum elong	1379 Nov 29 j 21:38	16° $\text{Z}$ 04'17	1°48'57
direct	1378 Dec 26 j 12:51	23° $\text{Z}$ 31'05		min. Earth dist.	1379 Nov 30 j 04:05	15° $\text{Z}$ 41'56	0.67663 AU
	1379 Jan 06 j 14:22	0° $\text{Z}$		morning rise	1379 Dec 05 j 03:43	9° $\text{Z}$ 44'10	
morning max el	1379 Jan 06 j 21:08	0° $\text{Z}$ 16'57	24°33'16	direct	1379 Dec 10 j 03:41	7° $\text{Z}$ 35'53	
desc. node	1379 Jan 15 j 05:34	10° $\text{Z}$ 01'07		morning max el	1379 Dec 20 j 06:33	13° $\text{Z}$ 36'26	23°04'58
	1379 Jan 29 j 06:34	0° $\approx$		desc. node	1380 Jan 02 j 02:34	29° $\text{Z}$ 28'46	
morning set	1379 Feb 11 j 21:26	22° $\approx$ 23'09			1380 Jan 02 j 11:33	0° $\text{Z}$	
max. Earth dist.	1379 Feb 15 j 13:28	28° $\approx$ 56'41	1.37531 AU		1380 Jan 22 j 04:50	0° $\approx$	
	1379 Feb 16 j 03:20	0° $\text{K}$		morning set	1380 Jan 23 j 22:44	2° $\approx$ 53'16	
				max. Earth dist.	1380 Jan 28 j 08:37	10° $\approx$ 22'19	1.39659 AU
superior conj	1379 Feb 22 j 07:51	11° $\text{K}$ 39'51	-1°37'10				
minimum elong	1379 Feb 22 j 12:01	11° $\text{K}$ 59'59	1°36'41	superior conj	1380 Feb 05 j 01:03	24° $\approx$ 05'23	-1°55'27
evening rise	1379 Mar 02 j 22:19	28° $\text{K}$ 41'02		minimum elong	1380 Feb 05 j 04:29	24° $\approx$ 21'15	1°55'15
	1379 Mar 03 j 14:14	0° $\text{Y}$			1380 Feb 08 j 05:11	0° $\text{K}$	
asc. node	1379 Mar 05 j 11:51	3° $\text{Y}$ 44'03		evening rise	1380 Feb 14 j 14:35	12° $\text{K}$ 11'51	
evening max el	1379 Mar 19 j 17:32	25° $\text{Y}$ 52'27	19°13'21	asc. node	1380 Feb 20 j 08:52	23° $\text{K}$ 00'57	
	1379 Mar 26 j 17:47	0° $\text{B}$			1380 Feb 24 j 11:08	0° $\text{Y}$	
retrograde	1379 Mar 28 j 16:11	0° $\text{B}$ 11'48		evening max el	1380 Mar 01 j 20:13	8° $\text{Y}$ 17'53	18°32'04
evening set	1379 Mar 30 j 19:38	29° $\text{Y}$ 57'58		retrograde	1380 Mar 09 j 12:00	12° $\text{Y}$ 03'16	
	1379 Mar 30 j 15:39	30° $\text{K}$ $\text{Y}$		evening set	1380 Mar 11 j 20:58	11° $\text{Y}$ 42'47	
inferior conj	1379 Apr 08 j 03:01	25° $\text{Y}$ 47'39	1°24'47	inferior conj	1380 Mar 19 j 09:08	7° $\text{Y}$ 13'40	2°43'08
minimum elong	1379 Apr 08 j 06:13	25° $\text{Y}$ 42'15	1°23'44	minimum elong	1380 Mar 19 j 13:10	7° $\text{Y}$ 05'43	2°42'10
min. Earth dist.	1379 Apr 11 j 00:47	23° $\text{Y}$ 50'58	0.56410 AU	min. Earth dist.	1380 Mar 22 j 19:12	4° $\text{Y}$ 33'25	0.58226 AU
desc. node	1379 Apr 13 j 04:46	22° $\text{Y}$ 31'30		morning rise	1380 Mar 27 j 02:27	1° $\text{Y}$ 49'47	
morning rise	1379 Apr 16 j 13:53	20° $\text{Y}$ 55'23		desc. node	1380 Mar 30 j 01:47	0° $\text{Y}$ 42'50	
direct	1379 Apr 21 j 10:47	20° $\text{Y}$ 00'35		direct	1380 Apr 02 j 00:12	0° $\text{Y}$ 20'40	
morning max el	1379 May 05 j 15:50	27° $\text{Y}$ 16'23	25°20'17	morning max el	1380 Apr 16 j 09:17	7° $\text{Y}$ 59'17	26°42'09
	1379 May 08 j 07:25	0° $\text{B}$			1380 May 02 j 22:22	0° $\text{B}$	
	1379 May 27 j 18:27	0° $\text{II}$		morning set	1380 May 15 j 21:54	24° $\text{B}$ 27'12	
morning set	1379 Jun 01 j 11:28	9° $\text{II}$ 35'35		asc. node	1380 May 18 j 08:08	29° $\text{B}$ 37'03	
asc. node	1379 Jun 01 j 11:07	9° $\text{II}$ 33'44			1380 May 18 j 12:24	0° $\text{II}$	
superior conj	1379 Jun 08 j 10:57	24° $\text{II}$ 42'34	1°07'54	superior conj	1380 May 22 j 22:37	9° $\text{II}$ 40'33	0°47'00
minimum elong	1379 Jun 08 j 08:35	24° $\text{II}$ 29'38	1°07'30	minimum elong	1380 May 22 j 20:44	9° $\text{II}$ 30'09	0°46'37
max. Earth dist.	1379 Jun 09 j 13:32	27° $\text{II}$ 07'39	1.32671 AU	max. Earth dist.	1380 May 23 j 01:13	9° $\text{II}$ 54'49	1.32278 AU
	1379 Jun 10 j 21:17	0° $\text{E}$		evening rise	1380 May 29 j 20:39	24° $\text{II}$ 39'00	
evening rise	1379 Jun 15 j 13:45	9° $\text{E}$ 55'05			1380 Jun 01 j 10:56	0° $\text{E}$	
	1379 Jun 26 j 03:25	0° $\Omega$			1380 Jun 19 j 00:17	0° $\Omega$	
desc. node	1379 Jul 10 j 04:02	21° $\Omega$ 03'40		desc. node	1380 Jun 26 j 01:04	8° $\Omega$ 41'35	
evening max el	1379 Jul 17 j 16:15	29° $\Omega$ 25'05	27°18'56	evening max el	1380 Jun 28 j 18:55	11° $\Omega$ 29'09	26°40'52
	1379 Jul 18 j 07:12	0° $\text{M}$		retrograde	1380 Jul 12 j 18:13	18° $\Omega$ 43'08	
retrograde	1379 Jul 31 j 11:35	6° $\text{M}$ 41'21		evening set	1380 Jul 19 j 12:49	16° $\Omega$ 45'23	
evening set	1379 Aug 07 j 16:05	4° $\text{M}$ 15'01		min. Earth dist.	1380 Jul 23 j 08:32	14° $\Omega$ 08'16	0.60218 AU
min. Earth dist.	1379 Aug 11 j 06:07	1° $\text{M}$ 23'57	0.62236 AU	inferior conj	1380 Jul 26 j 15:36	11° $\Omega$ 27'31	-4°40'11
	1379 Aug 12 j 18:39	30° $\text{K}$ $\Omega$		minimum elong	1380 Jul 26 j 19:18	11° $\Omega$ 19'57	4°39'44
inferior conj	1379 Aug 14 j 05:30	28° $\Omega$ 38'14	-4°03'11	morning rise	1380 Aug 03 j 03:46	6° $\Omega$ 46'47	
minimum elong	1379 Aug 14 j 10:37	28° $\Omega$ 26'16	4°01'59	direct	1380 Aug 05 j 14:25	6° $\Omega$ 24'25	
morning rise	1379 Aug 21 j 06:37	23° $\Omega$ 35'25		morning max el	1380 Aug 13 j 00:44	10° $\Omega$ 01'59	18°10'52
direct	1379 Aug 23 j 17:31	23° $\Omega$ 08'52		asc. node	1380 Aug 14 j 07:20	11° $\Omega$ 21'19	
asc. node	1379 Aug 28 j 10:18	24° $\Omega$ 48'59			1380 Aug 26 j 02:55	0° $\text{M}$	
morning max el	1379 Aug 30 j 12:56	26° $\Omega$ 35'55	17°53'31	morning set	1380 Aug 28 j 22:04	5° $\text{M}$ 14'12	
	1379 Sep 02 j 11:51	0° $\text{M}$					
morning set	1379 Sep 15 j 13:52	21° $\text{M}$ 41'23		superior conj	1380 Sep 07 j 11:48	23° $\text{M}$ 00'23	1°27'43
	1379 Sep 20 j 05:10	0° $\text{E}$		minimum elong	1380 Sep 07 j 15:40	23° $\text{M}$ 17'51	1°27'21
					1380 Sep 11 j 10:23	0° $\text{E}$	
superior conj	1379 Sep 26 j 13:07	11° $\text{E}$ 02'40	1°02'01	max. Earth dist.	1380 Sep 15 j 02:45	6° $\text{E}$ 19'35	1.41248 AU
minimum elong	1379 Sep 26 j 17:48	11° $\text{E}$ 22'42	1°01'27	evening rise	1380 Sep 20 j 04:56	14° $\text{E}$ 45'32	
max. Earth dist.	1379 Oct 03 j 18:11	23° $\text{E}$ 04'56	1.43038 AU	desc. node	1380 Sep 22 j 00:21	17° $\text{E}$ 40'27	
desc. node	1379 Oct 06 j 03:19	26° $\text{E}$ 56'10			1380 Sep 29 j 22:42	0° $\text{M}$	
	1379 Oct 08 j 01:20	0° $\text{M}$			1380 Oct 22 j 02:16	0° $\text{Z}$	
evening rise	1379 Oct 11 j 03:31	4° $\text{M}$ 52'16		evening max el	1380 Oct 24 j 01:18	2° $\text{Z}$ 04'01	22°56'40
	1379 Oct 27 j 22:05	0° $\text{Z}$		retrograde	1380 Nov 03 j 03:45	8° $\text{Z}$ 03'52	
evening max el	1379 Nov 11 j 09:11	18° $\text{Z}$ 32'36	21°38'20	evening set	1380 Nov 07 j 22:32	6° $\text{Z}$ 06'19	
retrograde	1379 Nov 20 j 09:01	23° $\text{Z}$ 53'43		asc. node	1380 Nov 10 j 06:34	3° $\text{Z}$ 43'25	

inferior conj	1380 Nov 13 j 07:13	29° $\mathbb{M}$ 44'22	1°01'32	inferior conj	1381 Oct 28 j 13:48	13° $\mathbb{M}$ 35'12	0°08'47
minimum elong	1380 Nov 13 j 05:50	29° $\mathbb{M}$ 49'09	1°00'58	minimum elong	1381 Oct 28 j 13:35	13° $\mathbb{M}$ 35'56	0°08'42
min. Earth dist.	1380 Nov 13 j 00:44	0° $\mathbb{X}$ 06'44	0.67778 AU	transit middle	1381 Oct 28 j 13:35	13° $\mathbb{M}$ 35'56	0°08'42
	1380 Nov 13 j 02:41	30° $\mathbb{R}$ $\mathbb{M}$		transit begin	1381 Oct 28 j 11:16	13° $\mathbb{M}$ 43'43	
morning rise	1380 Nov 18 j 13:02	23° $\mathbb{M}$ 34'40		transit end	1381 Oct 28 j 15:53	13° $\mathbb{M}$ 28'09	
direct	1380 Nov 22 j 22:19	21° $\mathbb{M}$ 49'07		morning rise	1381 Nov 02 j 23:39	7° $\mathbb{M}$ 30'42	
morning max el	1380 Dec 01 j 20:10	27° $\mathbb{M}$ 02'42	21°39'29	direct	1381 Nov 06 j 19:38	6° $\mathbb{M}$ 06'45	
	1380 Dec 04 j 13:33	0° $\mathbb{X}$		morning max el	1381 Nov 14 j 16:54	10° $\mathbb{M}$ 39'15	20°23'37
desc. node	1380 Dec 18 j 23:36	19° $\mathbb{X}$ 23'49			1381 Nov 29 j 09:42	0° $\mathbb{X}$	
	1380 Dec 26 j 01:58	0° $\mathbb{Z}$		desc. node	1381 Dec 05 j 20:38	9° $\mathbb{X}$ 38'52	
morning set	1381 Jan 02 j 18:49	11° $\mathbb{Z}$ 59'33		morning set	1381 Dec 12 j 17:28	20° $\mathbb{X}$ 10'12	
max. Earth dist.	1381 Jan 09 j 07:48	22° $\mathbb{Z}$ 36'29	1.41731 AU		1381 Dec 19 j 00:06	0° $\mathbb{Z}$	
	1381 Jan 13 j 17:20	0° $\mathbb{A}$		max. Earth dist.	1381 Dec 22 j 14:58	5° $\mathbb{Z}$ 46'34	1.43471 AU
superior conj	1381 Jan 16 j 22:08	5° $\mathbb{A}$ 31'18	-2°03'58	superior conj	1381 Dec 28 j 18:11	15° $\mathbb{Z}$ 47'06	-1°57'48
minimum elong	1381 Jan 16 j 22:39	5° $\mathbb{A}$ 33'35	2°03'58	minimum elong	1381 Dec 28 j 13:38	15° $\mathbb{Z}$ 28'15	1°57'35
evening rise	1381 Jan 27 j 18:35	25° $\mathbb{A}$ 03'27			1382 Jan 06 j 03:49	0° $\mathbb{A}$	
	1381 Jan 30 j 11:21	0° $\mathbb{H}$		evening rise	1382 Jan 10 j 06:12	7° $\mathbb{A}$ 07'34	
asc. node	1381 Feb 06 j 05:53	11° $\mathbb{H}$ 49'56		asc. node	1382 Jan 24 j 02:55	0° $\mathbb{H}$ 02'01	
evening max el	1381 Feb 13 j 05:12	21° $\mathbb{H}$ 10'12	18°10'52		1382 Jan 24 j 02:20	0° $\mathbb{H}$	
retrograde	1381 Feb 20 j 01:36	24° $\mathbb{H}$ 37'43		evening max el	1382 Jan 27 j 17:20	4° $\mathbb{H}$ 20'22	18°09'04
evening set	1381 Feb 22 j 16:08	24° $\mathbb{H}$ 08'20		retrograde	1382 Feb 03 j 05:06	7° $\mathbb{H}$ 44'41	
inferior conj	1381 Mar 01 j 11:49	19° $\mathbb{H}$ 18'28	3°27'48	evening set	1382 Feb 06 j 00:42	7° $\mathbb{H}$ 05'10	
minimum elong	1381 Mar 01 j 14:20	19° $\mathbb{H}$ 12'42	3°27'28	inferior conj	1382 Feb 12 j 07:40	1° $\mathbb{H}$ 54'40	3°44'51
min. Earth dist.	1381 Mar 04 j 19:24	16° $\mathbb{H}$ 17'55	0.60336 AU	minimum elong	1382 Feb 12 j 08:06	1° $\mathbb{H}$ 53'31	3°44'50
morning rise	1381 Mar 08 j 10:30	13° $\mathbb{H}$ 32'51			1382 Feb 14 j 03:31	30° $\mathbb{R}$ $\mathbb{A}$	
direct	1381 Mar 15 j 02:00	11° $\mathbb{H}$ 26'39		min. Earth dist.	1382 Feb 15 j 03:35	28° $\mathbb{A}$ 58'43	0.62423 AU
desc. node	1381 Mar 16 j 22:48	11° $\mathbb{H}$ 36'12		morning rise	1382 Feb 18 j 14:21	25° $\mathbb{A}$ 55'58	
morning max el	1381 Mar 29 j 08:36	19° $\mathbb{H}$ 17'15	27°33'50	direct	1382 Feb 25 j 13:19	23° $\mathbb{A}$ 21'00	
	1381 Apr 07 j 10:50	0° $\mathbb{Y}$		desc. node	1382 Mar 03 j 19:51	25° $\mathbb{A}$ 09'38	
	1381 Apr 25 j 15:57	0° $\mathbb{B}$			1382 Mar 10 j 06:17	0° $\mathbb{H}$	
morning set	1381 Apr 30 j 05:13	9° $\mathbb{B}$ 07'50		morning max el	1382 Mar 11 j 13:37	1° $\mathbb{H}$ 15'31	27°48'53
asc. node	1381 May 05 j 05:10	19° $\mathbb{B}$ 46'09			1382 Apr 01 j 14:57	0° $\mathbb{Y}$	
max. Earth dist.	1381 May 06 j 13:19	22° $\mathbb{B}$ 41'34	1.32264 AU	morning set	1382 Apr 14 j 07:17	23° $\mathbb{Y}$ 29'08	
superior conj	1381 May 07 j 10:05	24° $\mathbb{B}$ 35'22	0°23'09		1382 Apr 17 j 10:57	0° $\mathbb{B}$	
minimum elong	1381 May 07 j 09:03	24° $\mathbb{B}$ 29'43	0°22'56	max. Earth dist.	1382 Apr 19 j 21:54	5° $\mathbb{B}$ 13'17	1.32643 AU
	1381 May 09 j 21:15	0° $\mathbb{I}$		superior conj	1382 Apr 21 j 19:34	9° $\mathbb{B}$ 19'47	-0°02'57
evening rise	1381 May 14 j 06:59	9° $\mathbb{I}$ 31'17		minimum elong	1382 Apr 21 j 19:42	9° $\mathbb{B}$ 20'32	0°02'55
	1381 May 24 j 20:29	0° $\mathbb{E}$		behind sun begin	1382 Apr 21 j 14:36	8° $\mathbb{B}$ 52'52	
evening max el	1381 Jun 10 j 14:45	22° $\mathbb{E}$ 47'53	25°32'19	behind sun end	1382 Apr 22 j 00:48	9° $\mathbb{B}$ 48'14	
desc. node	1381 Jun 12 j 22:05	24° $\mathbb{E}$ 51'12		asc. node	1382 Apr 22 j 02:13	9° $\mathbb{B}$ 55'54	
retrograde	1381 Jun 24 j 15:29	29° $\mathbb{E}$ 57'09		evening rise	1382 Apr 28 j 18:44	24° $\mathbb{B}$ 23'43	
evening set	1381 Jun 30 j 10:59	28° $\mathbb{E}$ 37'42			1382 May 01 j 11:20	0° $\mathbb{I}$	
min. Earth dist.	1381 Jul 05 j 02:54	25° $\mathbb{E}$ 56'21	0.58174 AU		1382 May 19 j 22:16	0° $\mathbb{E}$	
inferior conj	1381 Jul 08 j 07:42	23° $\mathbb{E}$ 40'53	-4°54'18	evening max el	1382 May 23 j 05:24	3° $\mathbb{E}$ 29'40	24°02'46
minimum elong	1381 Jul 08 j 07:34	23° $\mathbb{E}$ 41'07	4°54'19	desc. node	1382 May 30 j 19:07	8° $\mathbb{E}$ 57'54	
morning rise	1381 Jul 16 j 06:38	19° $\mathbb{E}$ 22'25		retrograde	1382 Jun 06 j 00:37	10° $\mathbb{E}$ 25'58	
direct	1381 Jul 18 j 19:16	19° $\mathbb{E}$ 02'30		evening set	1382 Jun 10 j 10:28	9° $\mathbb{E}$ 42'56	
morning max el	1381 Jul 27 j 05:45	23° $\mathbb{E}$ 01'40	18°48'36	min. Earth dist.	1382 Jun 16 j 16:17	6° $\mathbb{E}$ 41'30	0.56401 AU
asc. node	1381 Aug 01 j 04:23	28° $\mathbb{E}$ 55'38		inferior conj	1382 Jun 19 j 03:36	5° $\mathbb{E}$ 09'57	-4°31'59
	1381 Aug 01 j 22:03	0° $\mathbb{O}$		minimum elong	1382 Jun 18 j 22:18	5° $\mathbb{E}$ 18'11	4°31'13
morning set	1381 Aug 12 j 17:12	19° $\mathbb{O}$ 19'14		morning rise	1382 Jun 27 j 12:50	1° $\mathbb{E}$ 10'03	
	1381 Aug 18 j 04:11	0° $\mathbb{P}$		direct	1382 Jun 30 j 05:15	0° $\mathbb{E}$ 51'15	
superior conj	1381 Aug 21 j 06:54	5° $\mathbb{P}$ 58'50	1°41'48	morning max el	1382 Jul 10 j 01:03	5° $\mathbb{E}$ 24'40	19°47'38
minimum elong	1381 Aug 21 j 08:52	6° $\mathbb{P}$ 08'11	1°41'42	asc. node	1382 Jul 19 j 01:26	17° $\mathbb{E}$ 17'33	
max. Earth dist.	1381 Aug 28 j 06:55	18° $\mathbb{P}$ 51'08	1.39231 AU		1382 Jul 25 j 22:30	0° $\mathbb{O}$	
evening rise	1381 Sep 01 j 06:11	25° $\mathbb{P}$ 45'42		morning set	1382 Jul 27 j 19:52	3° $\mathbb{O}$ 46'55	
	1381 Sep 03 j 18:34	0° $\mathbb{U}$		superior conj	1382 Aug 04 j 16:58	19° $\mathbb{O}$ 42'11	1°46'11
desc. node	1381 Sep 08 j 21:23	8° $\mathbb{U}$ 18'13		minimum elong	1382 Aug 04 j 17:03	19° $\mathbb{O}$ 42'36	1°46'11
	1381 Sep 23 j 14:44	0° $\mathbb{M}$			1382 Aug 10 j 00:23	0° $\mathbb{P}$	
evening max el	1381 Oct 06 j 14:18	15° $\mathbb{M}$ 39'34	24°16'32	max. Earth dist.	1382 Aug 10 j 11:14	0° $\mathbb{P}$ 51'04	1.37235 AU
retrograde	1381 Oct 17 j 18:53	22° $\mathbb{M}$ 12'59		evening rise	1382 Aug 14 j 06:45	7° $\mathbb{P}$ 51'40	
evening set	1381 Oct 23 j 03:31	19° $\mathbb{M}$ 58'25		desc. node	1382 Aug 26 j 18:26	28° $\mathbb{P}$ 44'34	
min. Earth dist.	1381 Oct 27 j 20:53	14° $\mathbb{M}$ 32'08	0.67566 AU		1382 Aug 27 j 13:58	0° $\mathbb{U}$	
asc. node	1381 Oct 28 j 03:36	14° $\mathbb{M}$ 09'34		evening max el	1382 Sep 19 j 02:16	29° $\mathbb{U}$ 18'35	25°30'54

	1382 Sep 19 j 19:31	0°♌		retrograde	1383 Sep 14 j 11:07	20°♌08'48	
retrograde	1382 Oct 01 j 05:32	6°♌16'43		evening set	1383 Sep 20 j 23:55	17°♌27'40	
evening set	1382 Oct 07 j 04:40	3°♌46'44		min. Earth dist.	1383 Sep 25 j 01:54	13°♌13'21	0.66134 AU
	1382 Oct 10 j 17:39	30°♌♌		inferior conj	1383 Sep 26 j 17:22	11°♌14'31	-1°44'48
min. Earth dist.	1382 Oct 11 j 14:05	28°♌55'42	0.67021 AU	minimum elong	1383 Sep 26 j 20:07	11°♌06'13	1°43'41
inferior conj	1382 Oct 12 j 17:50	27°♌26'30	-0°47'09	asc. node	1383 Oct 01 j 21:43	5°♌58'46	
minimum elong	1382 Oct 12 j 19:02	27°♌22'37	0°46'39	morning rise	1383 Oct 02 j 16:50	5°♌29'00	
asc. node	1382 Oct 15 j 00:38	24°♌36'53		direct	1383 Oct 05 j 16:06	4°♌39'20	
morning rise	1382 Oct 18 j 09:37	21°♌30'01		morning max el	1383 Oct 12 j 08:25	8°♌19'57	18°34'45
direct	1382 Oct 21 j 18:11	20°♌24'57			1383 Oct 27 j 13:36	0°♌	
morning max el	1382 Oct 28 j 21:27	24°♌26'20	19°21'25	morning set	1383 Nov 01 j 17:09	8°♌13'26	
	1382 Nov 02 j 14:31	0°♌		desc. node	1383 Nov 09 j 14:43	20°♌46'58	
morning set	1382 Nov 21 j 17:50	28°♌35'39			1383 Nov 15 j 11:04	0°♌	
desc. node	1382 Nov 22 j 17:41	0°♌08'16					
	1382 Nov 22 j 15:33	0°♌		superior conj	1383 Nov 17 j 14:17	3°♌21'14	-0°51'26
max. Earth dist.	1382 Dec 05 j 05:28	19°♌41'07	1.44642 AU	minimum elong	1383 Nov 17 j 07:46	2°♌55'37	0°50'37
				max. Earth dist.	1383 Nov 17 j 23:52	3°♌58'52	1.45109 AU
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asc. node	1383 Jan 10 j 23:58	17°♌26'45		asc. node	1383 Dec 28 j 21:01	3°♌50'09	
evening max el	1383 Jan 11 j 05:45	17°♌41'37	18°25'59	retrograde	1384 Jan 01 j 13:04	5°♌02'24	
retrograde	1383 Jan 17 j 18:15	21°♌15'36		evening set	1384 Jan 04 j 19:54	3°♌59'53	
evening set	1383 Jan 20 j 19:00	20°♌25'05			1384 Jan 09 j 00:36	30°♌♌	
inferior conj	1383 Jan 26 j 16:41	14°♌55'23	3°41'20	inferior conj	1384 Jan 10 j 11:11	28°♌13'22	3°22'49
minimum elong	1383 Jan 26 j 15:26	14°♌59'00	3°41'14	minimum elong	1384 Jan 10 j 08:54	28°♌20'32	3°22'25
min. Earth dist.	1383 Jan 28 j 21:21	12°♌23'11	0.64255 AU	min. Earth dist.	1384 Jan 12 j 00:32	26°♌16'05	0.65714 AU
morning rise	1383 Feb 01 j 11:18	8°♌48'59		morning rise	1384 Jan 15 j 21:36	22°♌02'26	
direct	1383 Feb 08 j 08:17	5°♌59'08		direct	1384 Jan 22 j 09:50	19°♌11'54	
desc. node	1383 Feb 18 j 16:53	10°♌50'59		morning max el	1384 Feb 04 j 08:22	26°♌48'58	26°35'41
morning max el	1383 Feb 21 j 22:27	13°♌50'02	27°27'39	desc. node	1384 Feb 05 j 13:55	28°♌05'12	
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morning set	1383 Mar 29 j 01:30	7°♌23'13		morning set	1384 Mar 11 j 08:24	20°♌39'27	
max. Earth dist.	1383 Apr 02 j 23:09	17°♌18'31	1.33446 AU	max. Earth dist.	1384 Mar 15 j 13:37	28°♌50'00	1.34695 AU
					1384 Mar 16 j 03:41	0°♌	
superior conj	1383 Apr 06 j 01:14	23°♌48'00	-0°30'20				
minimum elong	1383 Apr 06 j 02:44	23°♌55'58	0°30'01	superior conj	1384 Mar 20 j 00:51	7°♌53'19	-0°57'52
asc. node	1383 Apr 08 j 23:17	0°♌02'23		minimum elong	1384 Mar 20 j 03:44	8°♌08'07	0°57'20
	1383 Apr 08 j 22:50	0°♌		asc. node	1384 Mar 25 j 20:21	20°♌01'22	
evening rise	1383 Apr 13 j 06:07	9°♌10'17		evening rise	1384 Mar 27 j 15:13	23°♌44'29	
	1383 Apr 24 j 04:42	0°♌			1384 Mar 30 j 16:59	0°♌	
evening max el	1383 May 04 j 20:46	14°♌00'10	22°26'49	evening max el	1384 Apr 15 j 20:04	24°♌50'27	20°58'30
retrograde	1383 May 17 j 21:21	20°♌26'55			1384 Apr 24 j 00:05	0°♌	
desc. node	1383 May 17 j 16:08	20°♌26'49		retrograde	1384 Apr 27 j 10:53	0°♌29'30	
evening set	1383 May 20 j 21:48	20°♌06'51		evening set	1384 Apr 29 j 15:32	0°♌18'09	
min. Earth dist.	1383 May 29 j 03:58	16°♌32'41	0.55235 AU		1384 May 01 j 00:38	30°♌♌	
inferior conj	1383 May 30 j 05:35	15°♌56'25	-3°22'48	desc. node	1384 May 03 j 13:08	29°♌07'40	
minimum elong	1383 May 29 j 21:52	16°♌07'22	3°20'40	inferior conj	1384 May 08 j 23:25	26°♌19'53	-1°33'57
morning rise	1383 Jun 07 j 23:59	12°♌04'10		minimum elong	1384 May 08 j 19:00	26°♌26'09	1°32'23
direct	1383 Jun 10 j 22:01	11°♌44'47		min. Earth dist.	1384 May 09 j 16:29	25°♌55'42	0.54945 AU
morning max el	1383 Jun 22 j 09:05	17°♌04'43	21°07'12	morning rise	1384 May 17 j 22:18	22°♌16'02	
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asc. node	1383 Jul 05 j 22:31	6°♌15'47		morning max el	1384 Jun 03 j 06:50	28°♌03'46	22°42'48
morning set	1383 Jul 12 j 03:32	18°♌30'20			1384 Jun 05 j 05:26	0°♌	
	1383 Jul 17 j 15:46	0°♌		asc. node	1384 Jun 21 j 19:35	25°♌41'13	
					1384 Jun 23 j 22:55	0°♌	
superior conj	1383 Jul 19 j 13:38	3°♌57'59	1°42'45	morning set	1384 Jun 25 j 14:11	3°♌23'36	
minimum elong	1383 Jul 19 j 12:19	3°♌51'09	1°42'41				
max. Earth dist.	1383 Jul 23 j 21:06	12°♌42'16	1.35470 AU	superior conj	1384 Jul 02 j 17:34	18°♌36'08	1°33'04
evening rise	1383 Jul 28 j 02:30	20°♌53'08		minimum elong	1384 Jul 02 j 15:24	18°♌24'39	1°32'51
	1383 Aug 02 j 02:13	0°♌		max. Earth dist.	1384 Jul 05 j 15:51	24°♌45'55	1.34063 AU
desc. node	1383 Aug 13 j 15:28	18°♌53'37			1384 Jul 08 j 05:03	0°♌	
	1383 Aug 21 j 11:27	0°♌		evening rise	1384 Jul 10 j 12:45	4°♌37'51	
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




































































































































desc. node	1384 Jul 30 j 12:29	8° $\mathbb{M}$ 37'47		evening rise	1385 Jun 24 j 09:27	18° $\mathbb{S}$ 53'13	
evening max el	1384 Aug 14 j 02:13	26° $\mathbb{M}$ 23'20	27°12'35		1385 Jun 30 j 02:16	0° $\mathcal{Q}$	
	1384 Aug 18 j 07:56	0° $\mathcal{Q}$		desc. node	1385 Jul 17 j 09:30	27° $\mathcal{Q}$ 45'39	
retrograde	1384 Aug 27 j 11:19	3° $\mathcal{Q}$ 42'13			1385 Jul 19 j 02:29	0° $\mathbb{M}$	
evening set	1384 Sep 03 j 10:51	0° $\mathcal{Q}$ 57'43		evening max el	1385 Jul 27 j 12:37	9° $\mathbb{M}$ 28'31	27°25'49
	1384 Sep 04 j 14:10	30° $\mathbb{R}$ $\mathbb{M}$		retrograde	1385 Aug 10 j 05:27	16° $\mathbb{M}$ 46'48	
min. Earth dist.	1384 Sep 07 j 06:10	27° $\mathbb{M}$ 19'39	0.64889 AU	evening set	1385 Aug 17 j 10:16	14° $\mathbb{M}$ 10'17	
inferior conj	1384 Sep 09 j 10:13	24° $\mathbb{M}$ 55'39	-2°42'00	min. Earth dist.	1385 Aug 21 j 00:59	11° $\mathbb{M}$ 04'20	0.63290 AU
minimum elong	1384 Sep 09 j 14:24	24° $\mathbb{M}$ 44'02	2°40'30	inferior conj	1385 Aug 23 j 17:41	8° $\mathbb{M}$ 23'07	-3°35'42
morning rise	1384 Sep 15 j 18:50	19° $\mathbb{M}$ 24'07		minimum elong	1385 Aug 23 j 22:47	8° $\mathbb{M}$ 10'21	3°34'15
asc. node	1384 Sep 17 j 18:46	18° $\mathbb{M}$ 48'36		morning rise	1385 Aug 30 j 12:34	3° $\mathbb{M}$ 08'44	
direct	1384 Sep 18 j 11:11	18° $\mathbb{M}$ 46'06		direct	1385 Sep 02 j 00:37	2° $\mathbb{M}$ 38'53	
morning max el	1384 Sep 24 j 23:24	22° $\mathbb{M}$ 15'12	18°04'45	asc. node	1385 Sep 04 j 15:49	3° $\mathbb{M}$ 12'36	
	1384 Oct 01 j 00:40	0° $\mathcal{Q}$		morning max el	1385 Sep 08 j 15:27	6° $\mathbb{M}$ 04'39	17°52'17
morning set	1384 Oct 12 j 21:32	19° $\mathcal{Q}$ 17'17			1385 Sep 24 j 05:36	0° $\mathcal{Q}$	
	1384 Oct 19 j 08:48	0° $\mathbb{M}$		morning set	1385 Sep 25 j 02:51	1° $\mathcal{Q}$ 33'01	
desc. node	1384 Oct 26 j 11:46	11° $\mathbb{M}$ 31'43					
				superior conj	1385 Oct 07 j 02:10	22° $\mathcal{Q}$ 03'52	0°41'34
superior conj	1384 Oct 26 j 21:03	12° $\mathbb{M}$ 08'50	-0°02'37	minimum elong	1385 Oct 07 j 06:08	22° $\mathcal{Q}$ 20'19	0°41'01
minimum elong	1384 Oct 26 j 20:44	12° $\mathbb{M}$ 07'34	0°02'34		1385 Oct 11 j 22:19	0° $\mathbb{M}$	
behind sun begin	1384 Oct 26 j 10:09	11° $\mathbb{M}$ 25'18		desc. node	1385 Oct 13 j 08:47	2° $\mathbb{M}$ 18'56	
behind sun end	1384 Oct 27 j 07:19	12° $\mathbb{M}$ 49'48		max. Earth dist.	1385 Oct 13 j 10:57	2° $\mathbb{M}$ 27'36	1.43869 AU
max. Earth dist.	1384 Oct 30 j 18:35	18° $\mathbb{M}$ 19'59	1.44837 AU	evening rise	1385 Oct 22 j 15:07	16° $\mathbb{M}$ 53'26	
	1384 Nov 07 j 05:23	0° $\mathcal{Z}$			1385 Oct 31 j 05:58	0° $\mathcal{Z}$	
evening rise	1384 Nov 12 j 07:12	7° $\mathcal{Z}$ 52'16		evening max el	1385 Nov 20 j 22:27	28° $\mathcal{Z}$ 06'29	20°56'25
greatest brilliancy	1384 Nov 25 j 20:01	28° $\mathcal{Z}$ 32'35	-0.7m		1385 Nov 22 j 22:18	0° $\mathcal{S}$	
	1384 Nov 26 j 19:36	0° $\mathcal{S}$		retrograde	1385 Nov 29 j 08:13	3° $\mathcal{S}$ 05'18	
evening max el	1384 Dec 07 j 21:52	14° $\mathcal{S}$ 36'36	19°51'42	asc. node	1385 Dec 01 j 15:03	2° $\mathcal{S}$ 36'02	
asc. node	1384 Dec 14 j 18:03	18° $\mathcal{S}$ 57'30		evening set	1385 Dec 03 j 08:12	1° $\mathcal{S}$ 34'19	
retrograde	1384 Dec 15 j 10:33	19° $\mathcal{S}$ 00'09			1385 Dec 05 j 01:21	30° $\mathbb{R}$ $\mathcal{Z}$	
evening set	1384 Dec 19 j 00:58	17° $\mathcal{S}$ 44'16		inferior conj	1385 Dec 08 j 17:13	25° $\mathcal{Z}$ 22'51	2°14'57
inferior conj	1384 Dec 24 j 12:10	11° $\mathcal{S}$ 43'41	2°53'10	minimum elong	1385 Dec 08 j 14:42	25° $\mathcal{Z}$ 31'29	2°14'07
minimum elong	1384 Dec 24 j 09:30	11° $\mathcal{S}$ 52'34	2°52'28	min. Earth dist.	1385 Dec 09 j 04:08	24° $\mathcal{Z}$ 45'23	0.67444 AU
min. Earth dist.	1384 Dec 25 j 11:33	10° $\mathcal{S}$ 26'01	0.66772 AU	morning rise	1385 Dec 13 j 21:00	19° $\mathcal{Z}$ 09'37	
morning rise	1384 Dec 29 j 17:49	5° $\mathcal{S}$ 30'37		direct	1385 Dec 19 j 05:47	16° $\mathcal{Z}$ 48'26	
direct	1385 Jan 04 j 17:18	2° $\mathcal{S}$ 50'50		morning max el	1385 Dec 30 j 01:41	23° $\mathcal{Z}$ 15'57	23°55'45
morning max el	1385 Jan 16 j 17:21	9° $\mathcal{S}$ 59'56	25°21'41		1386 Jan 05 j 00:29	0° $\mathcal{S}$	
desc. node	1385 Jan 22 j 10:57	16° $\mathcal{S}$ 25'32		desc. node	1386 Jan 09 j 08:00	5° $\mathcal{S}$ 32'53	
	1385 Feb 01 j 14:11	0° $\approx$			1386 Jan 25 j 23:30	0° $\approx$	
	1385 Feb 20 j 06:06	0° $\mathcal{H}$		morning set	1386 Feb 03 j 16:06	14° $\approx$ 21'08	
morning set	1385 Feb 21 j 23:16	3° $\mathcal{H}$ 04'20		max. Earth dist.	1386 Feb 07 j 11:42	21° $\approx$ 01'20	1.38422 AU
max. Earth dist.	1385 Feb 25 j 16:17	9° $\mathcal{H}$ 54'31	1.36388 AU		1386 Feb 12 j 10:07	0° $\mathcal{H}$	
superior conj	1385 Mar 03 j 15:41	21° $\mathcal{H}$ 28'06	-1°23'50	superior conj	1386 Feb 14 j 18:07	4° $\mathcal{H}$ 22'55	-1°45'51
minimum elong	1385 Mar 03 j 19:36	21° $\mathcal{H}$ 47'32	1°23'16	minimum elong	1386 Feb 14 j 22:11	4° $\mathcal{H}$ 42'14	1°45'28
	1385 Mar 07 j 21:25	0° $\mathcal{Y}$		evening rise	1386 Feb 23 j 17:32	21° $\mathcal{H}$ 49'32	
evening rise	1385 Mar 11 j 19:52	7° $\mathcal{Y}$ 59'55		asc. node	1386 Feb 27 j 14:24	29° $\mathcal{H}$ 18'15	
asc. node	1385 Mar 12 j 17:23	9° $\mathcal{Y}$ 48'21			1386 Feb 27 j 23:15	0° $\mathcal{Y}$	
	1385 Mar 24 j 01:17	0° $\mathcal{B}$		evening max el	1386 Mar 12 j 04:48	18° $\mathcal{Y}$ 25'35	18°53'23
evening max el	1385 Mar 29 j 06:59	6° $\mathcal{B}$ 18'25	19°46'14	retrograde	1386 Mar 20 j 12:44	22° $\mathcal{Y}$ 28'01	
retrograde	1385 Apr 08 j 04:10	11° $\mathcal{B}$ 04'07		evening set	1386 Mar 22 j 18:32	22° $\mathcal{Y}$ 11'39	
evening set	1385 Apr 10 j 05:20	10° $\mathcal{B}$ 52'45		inferior conj	1386 Mar 30 j 17:36	17° $\mathcal{Y}$ 54'08	2°02'16
inferior conj	1385 Apr 18 j 23:40	6° $\mathcal{B}$ 50'58	0°24'46	minimum elong	1386 Mar 30 j 21:34	17° $\mathcal{Y}$ 47'00	2°01'06
minimum elong	1385 Apr 19 j 00:45	6° $\mathcal{B}$ 49'17	0°24'23	min. Earth dist.	1386 Apr 02 j 22:54	15° $\mathcal{Y}$ 36'26	0.57125 AU
desc. node	1385 Apr 20 j 10:10	5° $\mathcal{B}$ 57'19		desc. node	1386 Apr 07 j 07:11	13° $\mathcal{Y}$ 03'30	
min. Earth dist.	1385 Apr 21 j 06:39	5° $\mathcal{B}$ 25'53	0.55627 AU	morning rise	1386 Apr 07 j 21:31	12° $\mathcal{Y}$ 47'42	
morning rise	1385 Apr 27 j 17:43	2° $\mathcal{B}$ 18'07		direct	1386 Apr 13 j 05:46	11° $\mathcal{Y}$ 39'03	
direct	1385 May 01 j 23:52	1° $\mathcal{B}$ 37'51		morning max el	1386 Apr 27 j 13:13	19° $\mathcal{Y}$ 06'06	25°58'01
morning max el	1385 May 15 j 22:13	8° $\mathcal{B}$ 35'31	24°24'32		1386 May 06 j 17:41	0° $\mathcal{B}$	
	1385 May 31 j 15:41	0° $\mathbb{I}$			1386 May 23 j 23:56	0° $\mathbb{I}$	
asc. node	1385 Jun 08 j 16:38	15° $\mathbb{I}$ 25'51		morning set	1386 May 25 j 13:25	3° $\mathbb{I}$ 15'25	
morning set	1385 Jun 10 j 02:01	18° $\mathbb{I}$ 20'20		asc. node	1386 May 26 j 13:40	5° $\mathbb{I}$ 23'59	
	1385 Jun 15 j 11:56	0° $\mathbb{S}$					
				superior conj	1386 Jun 01 j 13:07	18° $\mathbb{I}$ 24'32	0°59'27
superior conj	1385 Jun 17 j 02:04	3° $\mathbb{S}$ 27'14	1°18'20	minimum elong	1386 Jun 01 j 10:54	18° $\mathbb{I}$ 12'22	0°59'02
minimum elong	1385 Jun 16 j 23:38	3° $\mathbb{S}$ 14'01	1°17'58	max. Earth dist.	1386 Jun 02 j 05:06	19° $\mathbb{I}$ 52'16	1.32460 AU
max. Earth dist.	1385 Jun 18 j 19:18	7° $\mathbb{S}$ 10'01	1.33062 AU		1386 Jun 06 j 21:30	0° $\mathbb{S}$	

evening rise	1386 Jun 08 j 13:24	3°☿29'29		1387 May 29 j 17:06	0°☿	
	1386 Jun 22 j 21:11	0°♌		1387 Jun 18 j 05:16	0°♌	
desc. node	1386 Jul 04 j 06:30	16°♌02'04		desc. node	1387 Jun 21 j 03:31	3°♌05'53
evening max el	1386 Jul 09 j 19:05	21°♌58'38	27°06'51	evening max el	1387 Jun 21 j 19:00	3°♌43'25 26°15'00
retrograde	1386 Jul 23 j 16:25	29°♌13'25		retrograde	1387 Jul 05 j 18:54	10°♌55'02
evening set	1386 Jul 30 j 18:02	26°♌58'05		evening set	1387 Jul 12 j 05:32	9°♌12'56
min. Earth dist.	1386 Aug 03 j 09:21	24°♌14'38	0.61397 AU	min. Earth dist.	1387 Jul 16 j 07:50	6°♌36'25 0.59340 AU
inferior conj	1386 Aug 06 j 12:37	21°♌29'04	-4°20'57	inferior conj	1387 Jul 19 j 15:28	4°♌04'10 -4°49'44
minimum elong	1386 Aug 06 j 17:25	21°♌18'29	4°20'03	minimum elong	1387 Jul 19 j 17:50	3°♌59'37 4°49'35
morning rise	1386 Aug 13 j 18:25	16°♌35'01			1387 Jul 26 j 01:05	30°☿☿
direct	1386 Aug 16 j 04:53	16°♌10'27		morning rise	1387 Jul 27 j 08:14	29°☿32'57
asc. node	1386 Aug 22 j 12:51	19°♌02'01		direct	1387 Jul 29 j 19:41	29°☿11'39
morning max el	1386 Aug 23 j 05:36	19°♌41'02	17°58'25		1387 Aug 02 j 10:37	0°♌
	1386 Aug 30 j 20:10	0°♍		morning max el	1387 Aug 06 j 14:50	2°♌56'37 18°24'24
morning set	1386 Sep 08 j 02:49	14°♍42'12		asc. node	1387 Aug 09 j 09:54	6°♌02'25
	1386 Sep 16 j 13:18	0°♍		morning set	1387 Aug 22 j 16:10	28°♌30'18
					1387 Aug 23 j 10:54	0°♍
superior conj	1386 Sep 18 j 10:30	3°♍18'53	1°14'26	superior conj	1387 Aug 31 j 18:35	15°♍44'38 1°35'00
minimum elong	1386 Sep 18 j 15:05	3°♍38'55	1°13'55	minimum elong	1387 Aug 31 j 21:42	15°♍59'00 1°34'46
max. Earth dist.	1386 Sep 25 j 23:07	16°♍06'58	1.42326 AU	max. Earth dist.	1387 Sep 08 j 06:04	29°♍05'27 1.40403 AU
desc. node	1386 Sep 30 j 05:49	23°♍05'15			1387 Sep 08 j 18:45	0°♍
evening rise	1386 Oct 02 j 05:55	26°♍17'05		evening rise	1387 Sep 12 j 17:06	6°♍37'46
	1386 Oct 04 j 14:37	0°♎		desc. node	1387 Sep 17 j 02:51	13°♍47'27
	1386 Oct 25 j 02:40	0°♎			1387 Sep 27 j 17:46	0°♎
evening max el	1386 Nov 03 j 17:30	11°♎37'26	22°11'09	evening max el	1387 Oct 17 j 08:05	25°♎10'58 23°30'49
retrograde	1386 Nov 13 j 04:21	17°♎14'38			1387 Oct 23 j 06:36	0°♎
evening set	1386 Nov 17 j 15:51	15°♎26'58		retrograde	1387 Oct 27 j 21:38	1°♎25'37
asc. node	1386 Nov 18 j 12:04	14°♎42'08			1387 Nov 01 j 01:51	30°☿♎
inferior conj	1386 Nov 23 j 00:15	9°♎07'56	1°29'57	evening set	1387 Nov 01 j 22:18	29°♎20'31
minimum elong	1386 Nov 22 j 22:20	9°♎14'33	1°29'13	asc. node	1387 Nov 05 j 09:06	25°♎33'45
min. Earth dist.	1386 Nov 22 j 23:53	9°♎09'12	0.67758 AU	inferior conj	1387 Nov 07 j 07:30	22°♎57'37 0°39'41
morning rise	1386 Nov 28 j 04:41	2°♎56'33		minimum elong	1387 Nov 07 j 06:35	23°♎00'47 0°39'17
direct	1386 Dec 02 j 22:25	0°♎57'44		min. Earth dist.	1387 Nov 06 j 20:31	23°♎35'11 0.67730 AU
morning max el	1386 Dec 12 j 12:19	6°♎37'22	22°27'46	morning rise	1387 Nov 12 j 14:49	16°♎50'06
desc. node	1386 Dec 27 j 05:01	25°♎13'23		direct	1387 Nov 16 j 18:15	15°♎14'05
	1386 Dec 30 j 12:30	0°♏		morning max el	1387 Nov 25 j 04:53	20°♎08'44 21°05'52
morning set	1387 Jan 15 j 04:56	24°♏14'37			1387 Dec 03 j 08:53	0°♎
	1387 Jan 18 j 16:32	0°♏		desc. node	1387 Dec 14 j 02:04	15°♎18'14
max. Earth dist.	1387 Jan 20 j 08:09	2°♏46'49	1.40570 AU		1387 Dec 23 j 18:01	0°♏
				morning set	1387 Dec 25 j 14:05	2°♏51'56
superior conj	1387 Jan 28 j 03:26	16°♏24'59	-2°00'34	max. Earth dist.	1388 Jan 02 j 11:15	15°♏28'19 1.42533 AU
minimum elong	1387 Jan 28 j 05:57	16°♏36'18	2°00'27			
	1387 Feb 04 j 12:17	0°♐		superior conj	1388 Jan 09 j 14:26	27°♏22'28 -2°03'26
evening rise	1387 Feb 07 j 05:03	5°♐04'44		minimum elong	1388 Jan 09 j 12:58	27°♏16'15 2°03'24
asc. node	1387 Feb 14 j 11:25	18°♐24'12			1388 Jan 11 j 03:12	0°♏
	1387 Feb 22 j 10:00	0°♑		evening rise	1388 Jan 21 j 02:41	17°♏37'56
evening max el	1387 Feb 23 j 10:35	1°♑03'39	18°20'37		1388 Jan 28 j 01:48	0°♐
retrograde	1387 Mar 02 j 16:31	4°♑39'19		asc. node	1388 Feb 01 j 08:27	6°♐58'53
evening set	1387 Mar 05 j 04:04	4°♑15'06		evening max el	1388 Feb 06 j 21:14	14°♐04'23 18°07'38
	1387 Mar 11 j 21:44	30°☿♐		retrograde	1388 Feb 13 j 12:48	17°♐29'08
inferior conj	1387 Mar 12 j 08:45	29°♐36'56	3°05'56	evening set	1388 Feb 16 j 05:28	16°♐55'35
minimum elong	1387 Mar 12 j 12:18	29°♐29'27	3°05'13	inferior conj	1388 Feb 22 j 19:16	11°♐56'29 3°37'58
min. Earth dist.	1387 Mar 15 j 19:08	26°♐45'18	0.59114 AU	minimum elong	1388 Feb 22 j 20:54	11°♐52'31 3°37'49
morning rise	1387 Mar 19 j 18:02	24°♐02'53		min. Earth dist.	1388 Feb 25 j 22:29	8°♐55'14 0.61246 AU
desc. node	1387 Mar 25 j 04:12	22°♐19'48		morning rise	1388 Feb 29 j 10:41	6°♐04'11
direct	1387 Mar 26 j 00:34	22°♐17'53		direct	1388 Mar 07 j 06:24	3°♐44'37
	1387 Apr 09 j 08:11	0°♑		desc. node	1388 Mar 11 j 01:15	4°♐24'05
morning max el	1387 Apr 09 j 08:52	0°♑01'39	27°08'23	morning max el	1388 Mar 21 j 11:00	11°♐37'36 27°44'52
	1387 Apr 30 j 15:54	0°♒			1388 Apr 04 j 22:00	0°♑
morning set	1387 May 09 j 22:45	18°♒02'52			1388 Apr 21 j 21:26	0°♒
asc. node	1387 May 13 j 10:43	25°♒30'09		morning set	1388 Apr 23 j 04:08	2°♒36'19
	1387 May 15 j 12:12	0°♓		max. Earth dist.	1388 Apr 29 j 04:50	15°♒24'00 1.32379 AU
max. Earth dist.	1387 May 16 j 17:36	2°♓41'24	1.32232 AU	asc. node	1388 Apr 29 j 07:46	15°♒39'56
superior conj	1387 May 17 j 00:53	3°♓21'29	0°37'11	superior conj	1388 Apr 30 j 11:43	18°♒12'22 0°12'18
minimum elong	1387 May 16 j 23:19	3°♓12'52	0°36'52	minimum elong	1388 Apr 30 j 11:09	18°♒09'17 0°12'11
evening rise	1387 May 23 j 22:01	18°♓17'47				

behind sun begin	1388 Apr 30 j 07:52	17° $\text{851}^{\circ}23$		morning set	1389 Apr 07 j 03:18	16° $\text{948}^{\circ}11$	
behind sun end	1388 Apr 30 j 14:25	18° $\text{827}^{\circ}11$		max. Earth dist.	1389 Apr 12 j 10:46	27° $\text{946}^{\circ}13$	1.32925 AU
	1388 May 05 j 21:30	0° $\text{II}$			1389 Apr 13 j 11:54	0° $\text{8}$	
evening rise	1388 May 07 j 09:12	3° $\text{II10}^{\circ}45$					
	1388 May 21 j 19:56	0° $\text{6}$		superior conj	1389 Apr 14 j 19:52	2° $\text{851}^{\circ}27$	-0°14'27
evening max el	1388 Jun 02 j 11:55	14° $\text{643}^{\circ}11$	24°55'52	minimum elong	1389 Apr 14 j 20:34	2° $\text{855}^{\circ}13$	0°14'18
desc. node	1388 Jun 07 j 00:32	18° $\text{627}^{\circ}38$		behind sun begin	1389 Apr 14 j 18:15	2° $\text{842}^{\circ}42$	
retrograde	1388 Jun 16 j 11:20	21° $\text{649}^{\circ}01$		behind sun end	1389 Apr 14 j 22:54	3° $\text{807}^{\circ}45$	
evening set	1388 Jun 21 j 17:36	20° $\text{645}^{\circ}47$		asc. node	1389 Apr 16 j 04:49	5° $\text{849}^{\circ}16$	
min. Earth dist.	1388 Jun 26 j 23:20	17° $\text{657}^{\circ}45$	0.57364 AU	evening rise	1389 Apr 21 j 21:03	18° $\text{801}^{\circ}59$	
inferior conj	1388 Jun 29 j 23:00	15° $\text{658}^{\circ}47$	-4°50'09		1389 Apr 27 j 18:57	0° $\text{II}$	
minimum elong	1388 Jun 29 j 20:39	16° $\text{602}^{\circ}42$	4°50'00	evening max el	1389 May 15 j 01:56	25° $\text{II17}^{\circ}01$	23°21'51
morning rise	1388 Jul 08 j 02:26	11° $\text{649}^{\circ}32$			1389 May 21 j 06:08	0° $\text{6}$	
direct	1388 Jul 10 j 16:34	11° $\text{630}^{\circ}15$		desc. node	1389 May 24 j 21:33	1° $\text{631}^{\circ}48$	
morning max el	1388 Jul 19 j 16:06	15° $\text{641}^{\circ}59$	19°11'14	retrograde	1389 May 28 j 15:40	2° $\text{603}^{\circ}54$	
asc. node	1388 Jul 26 j 06:59	23° $\text{658}^{\circ}31$		evening set	1389 Jun 01 j 10:04	1° $\text{632}^{\circ}45$	
	1388 Jul 29 j 21:57	0° $\text{8}$			1389 Jun 05 j 09:31	30° $\text{RII}$	
morning set	1388 Aug 05 j 14:51	12° $\text{845}^{\circ}50$		min. Earth dist.	1389 Jun 08 j 11:57	28° $\text{II18}^{\circ}41$	0.55805 AU
				inferior conj	1389 Jun 10 j 10:42	27° $\text{II09}^{\circ}34$	-4°08'35
superior conj	1388 Aug 13 j 20:42	29° $\text{804}^{\circ}14$	1°44'44	minimum elong	1389 Jun 10 j 03:45	27° $\text{II19}^{\circ}53$	4°07'09
minimum elong	1388 Aug 13 j 21:50	29° $\text{809}^{\circ}42$	1°44'42	morning rise	1389 Jun 19 j 00:06	23° $\text{II14}^{\circ}46$	
	1388 Aug 14 j 08:14	0° $\text{II}$		direct	1389 Jun 21 j 18:14	22° $\text{II56}^{\circ}12$	
max. Earth dist.	1388 Aug 20 j 09:30	11° $\text{II20}^{\circ}52$	1.38356 AU	morning max el	1389 Jul 02 j 06:52	27° $\text{II48}^{\circ}32$	20°19'08
evening rise	1388 Aug 24 j 04:35	18° $\text{II06}^{\circ}25$			1389 Jul 04 j 10:31	0° $\text{6}$	
	1388 Aug 31 j 06:27	0° $\text{6}$		asc. node	1389 Jul 13 j 04:04	12° $\text{637}^{\circ}43$	
desc. node	1388 Sep 02 j 23:53	4° $\text{620}^{\circ}56$		morning set	1389 Jul 20 j 19:56	27° $\text{621}^{\circ}19$	
	1388 Sep 21 j 01:26	0° $\text{II}$			1389 Jul 22 j 02:57	0° $\text{8}$	
evening max el	1388 Sep 28 j 20:12	8° $\text{II47}^{\circ}29$	24°49'15				
retrograde	1388 Oct 10 j 11:05	15° $\text{II33}^{\circ}18$		superior conj	1389 Jul 28 j 11:47	13° $\text{803}^{\circ}25$	1°45'35
evening set	1388 Oct 16 j 01:54	13° $\text{II11}^{\circ}34$		minimum elong	1389 Jul 28 j 11:12	13° $\text{800}^{\circ}29$	1°45'34
min. Earth dist.	1388 Oct 20 j 15:40	8° $\text{II00}^{\circ}12$	0.67371 AU	max. Earth dist.	1389 Aug 02 j 15:09	23° $\text{812}^{\circ}36$	1.36442 AU
inferior conj	1388 Oct 21 j 13:13	6° $\text{II48}^{\circ}54$	-0°14'38		1389 Aug 06 j 05:38	0° $\text{II}$	
minimum elong	1388 Oct 21 j 13:35	6° $\text{II47}^{\circ}42$	0°14'29	evening rise	1389 Aug 06 j 13:57	0° $\text{II38}^{\circ}14$	
transit middle	1388 Oct 21 j 13:35	6° $\text{II47}^{\circ}42$	0°14'29	desc. node	1389 Aug 20 j 20:54	24° $\text{II40}^{\circ}49$	
transit begin	1388 Oct 21 j 12:20	6° $\text{II51}^{\circ}50$			1389 Aug 24 j 09:58	0° $\text{6}$	
transit end	1388 Oct 21 j 14:49	6° $\text{II43}^{\circ}34$		evening max el	1389 Sep 11 j 08:02	22° $\text{626}^{\circ}23$	25°59'00
asc. node	1388 Oct 22 j 06:10	5° $\text{II53}^{\circ}04$		retrograde	1389 Sep 23 j 19:47	29° $\text{632}^{\circ}45$	
morning rise	1388 Oct 27 j 01:23	0° $\text{II47}^{\circ}37$		evening set	1389 Sep 30 j 00:48	26° $\text{657}^{\circ}24$	
	1388 Oct 28 j 11:20	30° $\text{R6}$		min. Earth dist.	1389 Oct 04 j 06:59	22° $\text{621}^{\circ}38$	0.66682 AU
direct	1388 Oct 30 j 16:10	29° $\text{632}^{\circ}18$		inferior conj	1389 Oct 05 j 15:35	20° $\text{639}^{\circ}22$	-1°11'33
	1388 Nov 01 j 23:08	0° $\text{II}$		minimum elong	1389 Oct 05 j 17:26	20° $\text{633}^{\circ}32$	1°10'45
morning max el	1388 Nov 07 j 05:06	3° $\text{II50}^{\circ}33$	19°55'24	asc. node	1389 Oct 09 j 03:14	16° $\text{637}^{\circ}43$	
	1388 Nov 26 j 06:01	0° $\text{6}$		morning rise	1389 Oct 11 j 10:25	14° $\text{647}^{\circ}00$	
desc. node	1388 Nov 29 j 23:08	5° $\text{640}^{\circ}00$		direct	1389 Oct 14 j 14:39	13° $\text{649}^{\circ}03$	
morning set	1388 Dec 03 j 10:12	10° $\text{659}^{\circ}40$		morning max el	1389 Oct 21 j 12:35	17° $\text{640}^{\circ}49$	18°59'31
max. Earth dist.	1388 Dec 14 j 21:33	28° $\text{658}^{\circ}29$	1.44045 AU		1389 Oct 30 j 22:36	0° $\text{II}$	
	1388 Dec 15 j 12:58	0° $\text{6}$		morning set	1389 Nov 12 j 18:23	19° $\text{II50}^{\circ}31$	
				desc. node	1389 Nov 16 j 20:10	26° $\text{II13}^{\circ}43$	
superior conj	1388 Dec 19 j 23:05	7° $\text{607}^{\circ}21$	-1°49'40		1389 Nov 19 j 05:55	0° $\text{6}$	
minimum elong	1388 Dec 19 j 16:22	6° $\text{640}^{\circ}07$	1°49'13	max. Earth dist.	1389 Nov 27 j 13:26	13° $\text{602}^{\circ}46$	1.44928 AU
evening rise	1389 Jan 02 j 06:05	29° $\text{620}^{\circ}14$					
	1389 Jan 02 j 15:23	0° $\text{6}$		superior conj	1389 Nov 29 j 08:18	15° $\text{651}^{\circ}41$	-1°17'06
asc. node	1389 Jan 18 j 05:29	24° $\text{652}^{\circ}36$		minimum elong	1389 Nov 28 j 23:46	15° $\text{618}^{\circ}02$	1°16'10
evening max el	1389 Jan 20 j 09:46	27° $\text{620}^{\circ}02$	18°13'59		1389 Dec 08 j 05:37	0° $\text{6}$	
	1389 Jan 23 j 20:37	0° $\text{6}$		evening rise	1389 Dec 14 j 11:14	10° $\text{605}^{\circ}11$	
retrograde	1389 Jan 26 j 20:59	0° $\text{647}^{\circ}22$			1389 Dec 26 j 19:57	0° $\text{6}$	
evening set	1389 Jan 29 j 18:35	0° $\text{603}^{\circ}27$		evening max el	1390 Jan 03 j 21:31	10° $\text{644}^{\circ}18$	18°38'44
	1389 Jan 29 j 21:19	30° $\text{R6}$		asc. node	1390 Jan 05 j 02:31	11° $\text{653}^{\circ}16$	
inferior conj	1389 Feb 04 j 21:14	24° $\text{644}^{\circ}39$	3°45'29	retrograde	1390 Jan 10 j 12:51	14° $\text{625}^{\circ}40$	
minimum elong	1389 Feb 04 j 20:53	24° $\text{645}^{\circ}36$	3°45'28	evening set	1390 Jan 13 j 16:00	13° $\text{630}^{\circ}19$	
min. Earth dist.	1389 Feb 07 j 10:55	21° $\text{656}^{\circ}37$	0.63239 AU	inferior conj	1390 Jan 19 j 10:40	7° $\text{653}^{\circ}28$	3°35'02
morning rise	1389 Feb 10 j 22:16	18° $\text{641}^{\circ}52$		minimum elong	1390 Jan 19 j 08:54	7° $\text{658}^{\circ}47$	3°34'49
direct	1389 Feb 17 j 21:17	15° $\text{658}^{\circ}33$		min. Earth dist.	1390 Jan 21 j 08:50	5° $\text{634}^{\circ}53$	0.64923 AU
desc. node	1389 Feb 25 j 22:18	18° $\text{656}^{\circ}33$		morning rise	1390 Jan 25 j 01:21	1° $\text{644}^{\circ}52$	
morning max el	1389 Mar 03 j 18:12	23° $\text{653}^{\circ}37$	27°44'02		1390 Jan 27 j 13:15	30° $\text{R6}$	
	1389 Mar 09 j 06:11	0° $\text{6}$		direct	1390 Jan 31 j 19:25	28° $\text{652}^{\circ}44$	
	1389 Mar 29 j 05:27	0° $\text{9}$			1390 Feb 05 j 09:59	0° $\text{6}$	

desc. node	1390 Feb 12 j 19:20	5° $\approx$ 21'11		morning max el	1391 Jan 27 j 13:02	19° $\approx$ 44'33	26°06'23
morning max el	1390 Feb 14 j 03:36	6° $\approx$ 39'40	27°08'49	desc. node	1391 Jan 30 j 16:22	23° $\approx$ 06'29	
	1390 Mar 04 j 03:01	0° $\approx$			1391 Feb 05 j 07:53	0° $\approx$	
	1390 Mar 21 j 11:24	0° $\approx$			1391 Feb 25 j 05:06	0° $\approx$	
morning set	1390 Mar 21 j 17:12	0° $\approx$ 28'02		morning set	1391 Mar 04 j 17:53	13° $\approx$ 24'22	
max. Earth dist.	1390 Mar 26 j 07:28	9° $\approx$ 36'28	1.33916 AU	max. Earth dist.	1391 Mar 08 j 16:47	20° $\approx$ 54'55	1.35368 AU
					1391 Mar 13 j 06:40	0° $\approx$	
superior conj	1390 Mar 29 j 23:16	17° $\approx$ 11'24	-0°42'04	superior conj	1391 Mar 13 j 19:33	1° $\approx$ 05'17	-1°09'10
minimum elong	1390 Mar 30 j 01:22	17° $\approx$ 22'24	0°41'39	minimum elong	1391 Mar 13 j 22:55	1° $\approx$ 22'27	1°08'36
asc. node	1390 Apr 03 j 01:51	25° $\approx$ 53'21		asc. node	1391 Mar 20 j 22:52	15° $\approx$ 48'09	
	1390 Apr 05 j 00:24	0° $\approx$		evening rise	1391 Mar 21 j 15:10	17° $\approx$ 11'50	
evening rise	1390 Apr 06 j 07:41	2° $\approx$ 44'20			1391 Mar 28 j 03:44	0° $\approx$	
	1390 Apr 21 j 17:07	0° $\approx$		evening max el	1391 Apr 09 j 00:14	16° $\approx$ 59'17	20°25'28
evening max el	1390 Apr 26 j 20:07	5° $\approx$ 53'49	21°47'47	retrograde	1391 Apr 19 j 21:06	22° $\approx$ 14'50	
retrograde	1390 May 09 j 08:01	12° $\approx$ 01'26		evening set	1391 Apr 21 j 23:01	22° $\approx$ 04'06	
evening set	1390 May 11 j 21:46	11° $\approx$ 46'37		desc. node	1391 Apr 28 j 15:35	19° $\approx$ 29'49	
desc. node	1390 May 11 j 18:34	11° $\approx$ 48'05		inferior conj	1391 May 01 j 02:23	18° $\approx$ 06'13	-0°42'42
inferior conj	1390 May 21 j 07:41	7° $\approx$ 43'39	-2°40'09	minimum elong	1391 May 01 j 00:23	18° $\approx$ 09'09	0°41'58
minimum elong	1390 May 21 j 00:43	7° $\approx$ 53'24	2°37'57	min. Earth dist.	1391 May 02 j 12:56	17° $\approx$ 15'58	0.55132 AU
min. Earth dist.	1390 May 21 j 00:07	7° $\approx$ 54'15	0.54996 AU	morning rise	1391 May 10 j 00:34	13° $\approx$ 51'58	
morning rise	1390 May 30 j 04:47	3° $\approx$ 48'34		direct	1391 May 13 j 17:53	13° $\approx$ 22'03	
direct	1390 Jun 02 j 06:39	3° $\approx$ 47'40		morning max el	1391 May 27 j 04:20	19° $\approx$ 54'32	23°25'59
morning max el	1390 Jun 14 j 10:10	9° $\approx$ 10'25	21°46'12		1391 Jun 04 j 15:49	0° $\approx$	
	1390 Jun 29 j 02:04	0° $\approx$		asc. node	1391 Jun 16 j 22:09	21° $\approx$ 23'01	
asc. node	1390 Jun 30 j 01:07	1° $\approx$ 48'38		morning set	1391 Jun 19 j 16:26	27° $\approx$ 05'04	
morning set	1390 Jul 05 j 05:06	12° $\approx$ 09'37			1391 Jun 21 j 01:30	0° $\approx$	
superior conj	1390 Jul 12 j 11:53	27° $\approx$ 29'44	1°39'20	superior conj	1391 Jun 26 j 18:00	12° $\approx$ 14'03	1°27'22
minimum elong	1390 Jul 12 j 10:08	27° $\approx$ 20'35	1°39'12	minimum elong	1391 Jun 26 j 15:40	12° $\approx$ 01'30	1°27'05
	1390 Jul 13 j 16:43	0° $\approx$		max. Earth dist.	1391 Jun 29 j 03:30	17° $\approx$ 20'27	1.33597 AU
max. Earth dist.	1390 Jul 16 j 04:34	5° $\approx$ 07'04	1.34830 AU	evening rise	1391 Jul 04 j 07:34	27° $\approx$ 58'58	
evening rise	1390 Jul 20 j 16:26	13° $\approx$ 05'57			1391 Jul 05 j 07:59	0° $\approx$	
	1390 Jul 29 j 12:31	0° $\approx$		desc. node	1391 Jul 22 j 17:26	0° $\approx$	
desc. node	1390 Aug 07 j 17:55	14° $\approx$ 40'21			1391 Jul 25 j 14:56	4° $\approx$ 10'33	
	1390 Aug 19 j 05:27	0° $\approx$		evening max el	1391 Aug 07 j 08:00	19° $\approx$ 21'32	27°21'52
evening max el	1390 Aug 24 j 20:20	6° $\approx$ 01'36	26°52'19	retrograde	1391 Aug 20 j 20:30	26° $\approx$ 39'45	
retrograde	1390 Sep 06 j 23:06	13° $\approx$ 17'36		evening set	1391 Aug 27 j 23:14	23° $\approx$ 57'15	
evening set	1390 Sep 13 j 16:49	10° $\approx$ 34'17		min. Earth dist.	1391 Aug 31 j 16:19	20° $\approx$ 33'40	0.64254 AU
min. Earth dist.	1390 Sep 17 j 15:58	6° $\approx$ 35'17	0.65647 AU	inferior conj	1391 Sep 03 j 01:46	18° $\approx$ 01'26	-3°05'28
inferior conj	1390 Sep 19 j 12:34	4° $\approx$ 25'22	-2°09'17	minimum elong	1391 Sep 03 j 06:27	17° $\approx$ 48'59	3°03'55
minimum elong	1390 Sep 19 j 15:58	4° $\approx$ 15'27	2°07'58	morning rise	1391 Sep 09 j 14:37	12° $\approx$ 36'43	
	1390 Sep 23 j 19:00	30° $\approx$ 44'00		direct	1391 Sep 12 j 04:56	12° $\approx$ 02'25	
morning rise	1390 Sep 25 j 15:44	28° $\approx$ 45'05		asc. node	1391 Sep 12 j 21:21	12° $\approx$ 04'50	
asc. node	1390 Sep 26 j 00:18	28° $\approx$ 34'40		morning max el	1391 Sep 18 j 17:14	15° $\approx$ 28'47	17°57'15
direct	1390 Sep 28 j 11:47	28° $\approx$ 00'43			1391 Sep 28 j 23:44	0° $\approx$	
	1390 Oct 03 j 07:04	0° $\approx$		morning set	1391 Oct 05 j 21:57	11° $\approx$ 42'51	
morning max el	1390 Oct 05 j 01:29	1° $\approx$ 35'28	18°19'50		1391 Oct 16 j 20:11	0° $\approx$	
morning set	1390 Oct 24 j 06:12	0° $\approx$ 05'59		superior conj	1391 Oct 19 j 00:15	3° $\approx$ 31'56	0°17'18
	1390 Oct 24 j 04:44	0° $\approx$		minimum elong	1391 Oct 19 j 02:13	3° $\approx$ 39'52	0°17'01
desc. node	1390 Nov 03 j 17:12	16° $\approx$ 55'31		desc. node	1391 Oct 21 j 14:13	7° $\approx$ 41'37	
superior conj	1390 Nov 08 j 09:31	24° $\approx$ 20'01	-0°30'50	max. Earth dist.	1391 Oct 24 j 03:07	11° $\approx$ 44'30	1.44506 AU
minimum elong	1390 Nov 08 j 05:30	24° $\approx$ 04'12	0°30'17	evening rise	1391 Nov 04 j 05:04	29° $\approx$ 02'57	
max. Earth dist.	1390 Nov 10 j 08:27	27° $\approx$ 24'46	1.45084 AU		1391 Nov 04 j 19:53	0° $\approx$	
	1390 Nov 11 j 23:58	0° $\approx$		evening max el	1391 Nov 25 j 01:53	7° $\approx$ 41'43	20°17'44
evening rise	1390 Nov 24 j 17:02	19° $\approx$ 54'13		retrograde	1391 Dec 01 j 09:56	12° $\approx$ 31'92	
	1390 Dec 01 j 03:50	0° $\approx$		asc. node	1391 Dec 09 j 06:48	12° $\approx$ 31'73	
greatest brilliancy	1390 Dec 05 j 17:37	7° $\approx$ 05'28	-0.8m	evening set	1391 Dec 13 j 01:10	10° $\approx$ 57'08	
evening max el	1390 Dec 18 j 06:11	24° $\approx$ 12'42	19°20'37	inferior conj	1391 Dec 18 j 11:11	4° $\approx$ 51'23	2°37'52
asc. node	1390 Dec 22 j 23:33	27° $\approx$ 46'44		minimum elong	1391 Dec 18 j 08:32	5° $\approx$ 00'23	2°37'06
retrograde	1390 Dec 25 j 09:00	28° $\approx$ 18'07		min. Earth dist.	1391 Dec 19 j 04:59	3° $\approx$ 51'15	0.67104 AU
evening set	1390 Dec 28 j 18:57	27° $\approx$ 10'00			1391 Dec 22 j 07:03	30° $\approx$ 44'00	
inferior conj	1391 Jan 03 j 08:14	21° $\approx$ 31'19	3°11'25	morning rise	1391 Dec 23 j 15:43	28° $\approx$ 43'11	
minimum elong	1391 Jan 03 j 05:43	21° $\approx$ 25'27	3°10'53	direct	1391 Dec 29 j 09:02	26° $\approx$ 40'56	
min. Earth dist.	1391 Jan 04 j 15:27	19° $\approx$ 36'41	0.66214 AU		1392 Jan 06 j 16:31	0° $\approx$	
morning rise	1391 Jan 08 j 16:15	15° $\approx$ 05'32					
direct	1391 Jan 14 j 23:33	12° $\approx$ 18'20					

morning max el	1392 Jan 09 j 21:37	2°  58'12	24°46'05	direct	1392 Dec 11 j 23:18	10°  08'58	
desc. node	1392 Jan 17 j 13:23	11°  48'29		morning max el	1392 Dec 22 j 06:40	16°  16'49	23°18'02
	1392 Jan 30 j 12:37	0°  ≈			1393 Jan 02 j 13:36	0°  ≈	
morning set	1392 Feb 15 j 00:07	25°  ≈21'52		desc. node	1393 Jan 03 j 10:27	1°  ≈11'14	
	1392 Feb 17 j 14:11	0°  ≈			1393 Jan 22 j 13:27	0°  ≈	
max. Earth dist.	1392 Feb 18 j 15:53	1°  ≈57'23	1.37226 AU	morning set	1393 Jan 26 j 05:36	6°  ≈04'24	
				max. Earth dist.	1393 Jan 30 j 10:42	13°  ≈16'23	1.39335 AU
superior conj	1392 Feb 25 j 05:32	14°  ≈23'58	-1°33'50	superior conj	1393 Feb 07 j 01:15	26°  ≈57'14	-1°53'15
minimum elong	1392 Feb 25 j 09:40	14°  ≈44'07	1°33'19	minimum elong	1393 Feb 07 j 04:56	27°  ≈14'18	1°52'58
	1392 Mar 04 j 01:43	0°  ≈			1393 Feb 08 j 16:24	0°  ≈	
evening rise	1392 Mar 04 j 17:10	1°  ≈17'13		evening rise	1393 Feb 16 j 10:55	14°  ≈52'57	
asc. node	1392 Mar 06 j 19:54	5°  ≈28'38		asc. node	1393 Feb 21 j 16:56	24°  ≈49'10	
evening max el	1392 Mar 21 j 15:55	28°  ≈43'48	19°21'15		1393 Feb 24 j 15:18	0°  ≈	
	1392 Mar 23 j 02:03	0°  ≈		evening max el	1393 Mar 04 j 17:26	11°  ≈04'45	18°37'01
retrograde	1392 Mar 30 j 20:16	3°  ≈09'45		retrograde	1393 Mar 12 j 13:06	14°  ≈54'06	
evening set	1392 Apr 01 j 22:53	2°  ≈56'44		evening set	1393 Mar 14 j 21:12	14°  ≈34'48	
	1392 Apr 08 j 13:03	30°  ≈ 		inferior conj	1393 Mar 22 j 12:08	10°  ≈08'56	2°33'31
inferior conj	1392 Apr 10 j 09:11	28°  ≈48'48	1°09'55	minimum elong	1393 Mar 22 j 16:14	10°  ≈01'01	2°32'27
minimum elong	1392 Apr 10 j 11:57	28°  ≈44'15	1°09'00	min. Earth dist.	1393 Mar 25 j 21:32	7°  ≈33'43	0.57922 AU
min. Earth dist.	1392 Apr 13 j 03:36	27°  ≈00'01	0.56180 AU	morning rise	1393 Mar 30 j 08:14	4°  ≈49'12	
desc. node	1392 Apr 14 j 12:34	26°  ≈09'12		desc. node	1393 Apr 01 j 09:37	4°  ≈00'26	
morning rise	1392 Apr 18 j 22:10	24°  ≈01'34		direct	1393 Apr 05 j 02:39	3°  ≈25'31	
direct	1392 Apr 23 j 15:04	23°  ≈11'01		morning max el	1393 Apr 19 j 11:38	11°  ≈01'53	26°31'39
	1392 May 07 j 09:19	0°  ≈			1393 May 04 j 02:57	0°  ≈	
morning max el	1392 May 07 j 18:55	0°  ≈22'41	25°06'19	morning set	1393 May 18 j 15:03	26°  ≈55'22	
	1392 May 28 j 04:53	0°  ≈			1393 May 20 j 01:54	0°  ≈	
asc. node	1392 Jun 02 j 19:11	11°  ≈14'26		asc. node	1393 May 20 j 16:13	1°  ≈16'43	
morning set	1392 Jun 03 j 04:19	12°  ≈02'28					
superior conj	1392 Jun 10 j 03:51	27°  ≈09'05	1°10'46	superior conj	1393 May 25 j 15:25	12°  ≈07'22	0°50'23
minimum elong	1392 Jun 10 j 01:27	26°  ≈56'00	1°10'23	minimum elong	1393 May 25 j 13:26	11°  ≈56'26	0°50'00
	1392 Jun 11 j 11:14	0°  ≈		max. Earth dist.	1393 May 25 j 21:26	12°  ≈04'27	1.32309 AU
max. Earth dist.	1392 Jun 11 j 10:11	29°  ≈54'14	1.32758 AU	evening rise	1393 Jun 01 j 13:54	27°  ≈07'02	
evening rise	1392 Jun 17 j 07:42	12°  ≈24'38			1393 Jun 02 j 23:15	0°  ≈	
	1392 Jun 26 j 11:58	0°  ≈			1393 Jun 19 j 23:51	0°  ≈	
desc. node	1392 Jul 11 j 11:56	22°  ≈05'17		desc. node	1393 Jun 28 j 08:57	10°  ≈04'8'20	
	1392 Jul 17 j 11:37	0°  ≈		evening max el	1393 Jul 01 j 20:39	14°  ≈02'44'0	26°48'39
evening max el	1392 Jul 19 j 16:55	2°  ≈13'21	27°21'44	retrograde	1393 Jul 15 j 19:38	21°  ≈03'9'04	
retrograde	1392 Aug 02 j 11:42	9°  ≈30'26		evening set	1393 Jul 22 j 16:24	19°  ≈03'6'24	
evening set	1392 Aug 09 j 16:36	7°  ≈00'52		min. Earth dist.	1393 Jul 26 j 10:33	16°  ≈05'8'08	0.60528 AU
min. Earth dist.	1392 Aug 13 j 06:33	4°  ≈06'25	0.62518 AU	inferior conj	1393 Jul 29 j 16:53	14°  ≈01'5'28	-4°35'48
inferior conj	1392 Aug 16 j 04:21	1°  ≈21'18	-3°56'18	minimum elong	1393 Jul 29 j 20:57	14°  ≈06'58	4°35'14
minimum elong	1392 Aug 16 j 09:31	1°  ≈09'00	3°55'02	morning rise	1393 Aug 06 j 03:25	9°  ≈03'1'12	
	1392 Aug 17 j 15:14	30°  ≈ 		direct	1393 Aug 08 j 13:52	9°  ≈08'2'3	
morning rise	1392 Aug 23 j 03:52	26°  ≈01'5'31		morning max el	1393 Aug 15 j 21:30	12°  ≈04'3'57	18°06'58
direct	1392 Aug 25 j 14:57	25°  ≈04'8'13		asc. node	1393 Aug 16 j 15:26	13°  ≈02'9'15	
asc. node	1392 Aug 29 j 18:24	27°  ≈07'32			1393 Aug 27 j 12:22	0°  ≈	
morning max el	1392 Sep 01 j 08:58	29°  ≈01'4'39	17°52'37	morning set	1393 Aug 31 j 18:13	7°  ≈05'1'11	
	1392 Sep 02 j 02:35	0°  ≈					
morning set	1392 Sep 17 j 11:58	24°  ≈07'23'56		superior conj	1393 Sep 10 j 12:18	25°  ≈07'49'38	1°24'35
	1392 Sep 20 j 15:22	0°  ≈		minimum elong	1393 Sep 10 j 16:24	26°  ≈08'00	1°24'11
superior conj	1392 Sep 28 j 17:10	14°  ≈02'22	0°57'01		1393 Sep 12 j 20:48	0°  ≈	
minimum elong	1392 Sep 28 j 21:46	14°  ≈21'52	0°56'26	max. Earth dist.	1393 Sep 18 j 03:22	9°  ≈03'35	1.41539 AU
max. Earth dist.	1392 Oct 05 j 18:01	25°  ≈04'2'40	1.43272 AU	evening rise	1393 Sep 23 j 12:12	17°  ≈05'3'39	
desc. node	1392 Oct 07 j 11:16	28°  ≈05'29'15		desc. node	1393 Sep 24 j 08:19	19°  ≈04'14'27	
	1392 Oct 08 j 09:55	0°  ≈			1393 Oct 01 j 05:32	0°  ≈	
evening rise	1392 Oct 13 j 13:50	8°  ≈08'08'36		evening max el	1393 Oct 22 j 18:31	0°  ≈	
	1392 Oct 28 j 02:18	0°  ≈		retrograde	1393 Oct 27 j 00:53	4°  ≈07'43'15	22°44'46
evening max el	1392 Nov 13 j 07:59	21°  ≈07'11'26	21°27'09	retrograde	1393 Nov 05 j 23:21	10°  ≈07'37'21	
retrograde	1392 Nov 22 j 04:08	26°  ≈07'26'55		evening set	1393 Nov 10 j 16:08	8°  ≈07'42'30	
asc. node	1392 Nov 25 j 17:37	25°  ≈07'16'31		asc. node	1393 Nov 12 j 14:39	6°  ≈07'47'39	
evening set	1392 Nov 26 j 08:47	24°  ≈07'48'54		inferior conj	1393 Nov 16 j 00:43	2°  ≈07'21'11	1°09'14
inferior conj	1392 Dec 01 j 17:20	18°  ≈07'33'28	1°56'36	minimum elong	1393 Nov 15 j 23:11	2°  ≈07'26'29	1°08'35
minimum elong	1392 Dec 01 j 15:01	18°  ≈07'41'27	1°55'46	min. Earth dist.	1393 Nov 17 j 19:50	2°  ≈07'38'04	0.67784 AU
min. Earth dist.	1392 Dec 01 j 23:16	18°  ≈07'12'56	0.67619 AU	morning rise	1393 Nov 17 j 18:19	30°  ≈ 	
morning rise	1392 Dec 06 j 21:06	12°  ≈07'20'40		direct	1393 Nov 21 j 06:05	26°  ≈07'10'54	
					1393 Nov 25 j 17:33	24°  ≈07'21'50	

































































































































morning max el	1393 Dec 04 j 19:26	29° $\mathbb{M}$ 42'06	21°51'42	morning max el	1394 Nov 17 j 15:00	13° $\mathbb{M}$ 17'14	20°34'09
	1393 Dec 05 j 02:28	0° $\mathbb{X}$			1394 Nov 30 j 13:50	0° $\mathbb{X}$	
desc. node	1393 Dec 21 j 07:32	21° $\mathbb{X}$ 03'21		desc. node	1394 Dec 08 j 04:35	11° $\mathbb{X}$ 16'09	
	1393 Dec 27 j 08:27	0° $\mathbb{Z}$		morning set	1394 Dec 16 j 06:43	23° $\mathbb{X}$ 38'43	
morning set	1394 Jan 06 j 05:59	15° $\mathbb{Z}$ 23'03			1394 Dec 20 j 08:12	0° $\mathbb{Z}$	
max. Earth dist.	1394 Jan 12 j 09:00	25° $\mathbb{Z}$ 23'01	1.41439 AU	max. Earth dist.	1394 Dec 25 j 15:15	8° $\mathbb{Z}$ 26'43	1.43247 AU
	1394 Jan 15 j 02:53	0° $\approx$					
superior conj	1394 Jan 20 j 01:46	8° $\approx$ 33'35	-2°03'31	superior conj	1395 Jan 01 j 01:50	19° $\mathbb{Z}$ 00'43	-1°59'52
minimum elong	1394 Jan 20 j 02:53	8° $\approx$ 38'33	2°03'30	minimum elong	1394 Dec 31 j 22:06	18° $\mathbb{Z}$ 45'10	1°59'44
evening rise	1394 Jan 30 j 17:03	27° $\approx$ 51'22			1395 Jan 07 j 13:11	0° $\approx$	
	1394 Jan 31 j 20:54	0° $\mathbb{X}$		evening rise	1395 Jan 13 j 07:26	10° $\approx$ 03'33	
asc. node	1394 Feb 08 j 13:58	13° $\mathbb{X}$ 43'10			1395 Jan 25 j 01:41	0° $\mathbb{X}$	
evening max el	1394 Feb 16 j 01:46	23° $\mathbb{X}$ 54'11	18°12'48	asc. node	1395 Jan 26 j 11:01	2° $\mathbb{X}$ 01'43	
retrograde	1394 Feb 23 j 00:13	27° $\mathbb{X}$ 23'09		evening max el	1395 Jan 30 j 13:38	7° $\mathbb{X}$ 02'18	18°08'03
evening set	1394 Feb 25 j 14:02	26° $\mathbb{X}$ 55'08		retrograde	1395 Feb 06 j 02:01	10° $\mathbb{X}$ 26'15	
inferior conj	1394 Mar 04 j 11:57	22° $\mathbb{X}$ 08'24	3°22'57	evening set	1395 Feb 08 j 20:53	9° $\mathbb{X}$ 48'14	
minimum elong	1394 Mar 04 j 14:46	22° $\mathbb{X}$ 02'04	3°22'32	inferior conj	1395 Feb 15 j 05:29	4° $\mathbb{X}$ 40'33	3°43'40
min. Earth dist.	1394 Mar 07 j 20:38	19° $\mathbb{X}$ 09'19	0.60018 AU	minimum elong	1395 Feb 15 j 06:14	4° $\mathbb{X}$ 38'38	3°43'39
morning rise	1394 Mar 11 j 13:19	16° $\mathbb{X}$ 25'33		min. Earth dist.	1395 Feb 18 j 03:24	1° $\mathbb{X}$ 42'40	0.62129 AU
direct	1394 Mar 18 j 02:55	14° $\mathbb{X}$ 24'36			1395 Feb 19 j 23:48	30° $\mathbb{R}$ $\approx$	
desc. node	1394 Mar 19 j 06:39	14° $\mathbb{X}$ 28'14		morning rise	1395 Feb 21 j 14:20	28° $\approx$ 43'23	
morning max el	1394 Apr 01 j 09:56	22° $\mathbb{X}$ 13'37	27°28'23	direct	1395 Feb 28 j 12:47	26° $\approx$ 12'04	
	1394 Apr 08 j 06:22	0° $\mathbb{Y}$		desc. node	1395 Mar 06 j 03:43	27° $\approx$ 39'21	
	1394 Apr 27 j 02:42	0° $\mathbb{Z}$			1395 Mar 09 j 21:46	0° $\mathbb{X}$	
morning set	1394 May 02 j 22:57	11° $\mathbb{Z}$ 37'50		morning max el	1395 Mar 14 j 14:13	4° $\mathbb{X}$ 06'03	27°49'02
asc. node	1394 May 07 j 13:17	21° $\mathbb{Z}$ 25'14			1395 Apr 02 j 21:29	0° $\mathbb{Y}$	
max. Earth dist.	1394 May 09 j 09:44	25° $\mathbb{Z}$ 27'59	1.32243 AU	morning set	1395 Apr 17 j 01:57	26° $\mathbb{Y}$ 02'22	
					1395 Apr 19 j 00:07	0° $\mathbb{Z}$	
superior conj	1394 May 10 j 03:02	27° $\mathbb{Z}$ 02'56	0°26'56	max. Earth dist.	1395 Apr 22 j 19:09	8° $\mathbb{Z}$ 02'55	1.32563 AU
minimum elong	1394 May 10 j 01:51	26° $\mathbb{Z}$ 56'26	0°26'42	asc. node	1395 Apr 24 j 10:20	11° $\mathbb{Z}$ 34'58	
	1394 May 11 j 11:15	0° $\mathbb{I}$					
evening rise	1394 May 16 j 23:52	11° $\mathbb{I}$ 58'29		superior conj	1395 Apr 24 j 12:55	11° $\mathbb{Z}$ 49'05	0°01'09
	1394 May 26 j 04:04	0° $\mathbb{E}$		minimum elong	1395 Apr 24 j 12:52	11° $\mathbb{Z}$ 48'45	0°01'08
evening max el	1394 Jun 13 j 17:35	25° $\mathbb{E}$ 50'08	25°44'12	behind sun begin	1395 Apr 24 j 07:44	11° $\mathbb{Z}$ 20'51	
desc. node	1394 Jun 15 j 05:57	27° $\mathbb{E}$ 13'07		behind sun end	1395 Apr 24 j 18:00	12° $\mathbb{Z}$ 16'41	
	1394 Jun 18 j 21:25	0° $\mathbb{O}$		evening rise	1395 May 01 j 11:32	26° $\mathbb{Z}$ 51'14	
retrograde	1394 Jun 27 j 18:16	2° $\mathbb{O}$ 59'57			1395 May 02 j 23:29	0° $\mathbb{I}$	
evening set	1394 Jul 03 j 18:05	1° $\mathbb{O}$ 34'39			1395 May 20 j 12:17	0° $\mathbb{E}$	
	1394 Jul 06 j 14:47	30° $\mathbb{R}$ $\mathbb{E}$		evening max el	1395 May 26 j 08:40	6° $\mathbb{E}$ 35'46	24°16'51
min. Earth dist.	1394 Jul 08 j 05:58	28° $\mathbb{E}$ 55'02	0.58474 AU	desc. node	1395 Jun 02 j 02:56	11° $\mathbb{E}$ 40'45	
inferior conj	1394 Jul 11 j 11:52	26° $\mathbb{E}$ 34'43	-4°54'16	retrograde	1395 Jun 09 j 05:12	13° $\mathbb{E}$ 34'53	
minimum elong	1394 Jul 11 j 12:28	26° $\mathbb{E}$ 33'38	4°54'15	evening set	1395 Jun 13 j 20:33	12° $\mathbb{E}$ 46'58	
morning rise	1394 Jul 19 j 09:12	22° $\mathbb{E}$ 12'52		min. Earth dist.	1395 Jun 19 j 19:39	9° $\mathbb{E}$ 49'31	0.56633 AU
direct	1394 Jul 21 j 21:29	21° $\mathbb{E}$ 52'36		inferior conj	1395 Jun 22 j 10:45	8° $\mathbb{E}$ 10'27	-4°38'20
morning max el	1394 Jul 30 j 03:40	25° $\mathbb{E}$ 47'45	18°41'35	minimum elong	1395 Jun 22 j 06:10	8° $\mathbb{E}$ 17'42	4°37'45
	1394 Aug 02 j 20:14	0° $\mathbb{O}$		morning rise	1395 Jun 30 j 18:29	4° $\mathbb{E}$ 08'30	
asc. node	1394 Aug 03 j 12:30	0° $\mathbb{O}$ 55'01		direct	1395 Jul 03 j 10:21	3° $\mathbb{E}$ 49'34	
morning set	1394 Aug 15 j 11:56	21° $\mathbb{O}$ 51'58		morning max el	1395 Jul 13 j 00:34	8° $\mathbb{E}$ 16'49	19°37'33
	1394 Aug 19 j 16:08	0° $\mathbb{P}$		asc. node	1395 Jul 21 j 09:35	19° $\mathbb{E}$ 10'46	
superior conj	1394 Aug 24 j 04:40	8° $\mathbb{P}$ 39'44	1°40'20		1395 Jul 27 j 09:26	0° $\mathbb{O}$	
minimum elong	1394 Aug 24 j 06:57	8° $\mathbb{P}$ 50'28	1°40'12	morning set	1395 Jul 30 j 13:41	6° $\mathbb{O}$ 17'12	
max. Earth dist.	1394 Aug 31 j 08:10	21° $\mathbb{P}$ 41'57	1.39539 AU	superior conj	1395 Aug 07 j 12:50	22° $\mathbb{O}$ 17'44	1°46'04
evening rise	1394 Sep 04 j 09:45	28° $\mathbb{P}$ 43'20		minimum elong	1395 Aug 07 j 13:11	22° $\mathbb{O}$ 19'27	1°46'03
	1394 Sep 05 j 03:56	0° $\mathbb{U}$			1395 Aug 11 j 12:09	0° $\mathbb{P}$	
desc. node	1394 Sep 11 j 05:20	9° $\mathbb{U}$ 53'26		max. Earth dist.	1395 Aug 13 j 12:16	3° $\mathbb{P}$ 46'25	1.37519 AU
	1394 Sep 24 j 17:14	0° $\mathbb{M}$		evening rise	1395 Aug 17 j 07:03	10° $\mathbb{P}$ 40'14	
evening max el	1394 Oct 09 j 14:17	18° $\mathbb{M}$ 18'30	24°04'51		1395 Aug 28 j 20:41	0° $\mathbb{U}$	
retrograde	1394 Oct 20 j 15:01	24° $\mathbb{M}$ 47'07		desc. node	1395 Aug 29 j 02:20	0° $\mathbb{U}$ 22'00	
evening set	1394 Oct 25 j 21:34	22° $\mathbb{M}$ 35'01			1395 Sep 20 j 04:17	0° $\mathbb{M}$	
asc. node	1394 Oct 30 j 11:43	17° $\mathbb{M}$ 18'50		evening max el	1395 Sep 22 j 02:15	1° $\mathbb{M}$ 57'16	25°20'26
min. Earth dist.	1394 Oct 30 j 16:11	17° $\mathbb{M}$ 03'47	0.67619 AU	retrograde	1395 Oct 04 j 02:22	8° $\mathbb{M}$ 52'22	
inferior conj	1394 Oct 31 j 07:32	16° $\mathbb{M}$ 11'52	0°17'03	evening set	1395 Oct 09 j 23:24	6° $\mathbb{M}$ 24'21	
minimum elong	1394 Oct 31 j 07:07	16° $\mathbb{M}$ 13'16	0°16'52	min. Earth dist.	1395 Oct 14 j 09:55	1° $\mathbb{M}$ 28'06	0.67125 AU
morning rise	1394 Nov 05 j 16:39	10° $\mathbb{M}$ 06'32		inferior conj	1395 Oct 15 j 12:03	0° $\mathbb{M}$ 03'24	-0°38'33
direct	1394 Nov 09 j 14:33	8° $\mathbb{M}$ 39'27		minimum elong	1395 Oct 15 j 13:02	0° $\mathbb{M}$ 00'13	0°38'07
					1395 Oct 15 j 13:06	30° $\mathbb{R}$ $\mathbb{U}$	

asc. node	1395 Oct 17 j 08:47	27° $\Omega$ 42'16		morning rise	1396 Oct 04 j 10:35	8° $\Omega$ 04'56	
morning rise	1395 Oct 21 j 02:51	24° $\Omega$ 05'41		direct	1396 Oct 07 j 11:01	7° $\Omega$ 13'19	
direct	1395 Oct 24 j 12:58	22° $\Omega$ 58'06		morning max el	1396 Oct 14 j 04:38	10° $\Omega$ 56'33	18°40'38
morning max el	1395 Oct 31 j 18:29	27° $\Omega$ 03'20	19°29'45		1396 Oct 27 j 20:07	0° $\mathbb{M}$	
	1395 Nov 03 j 10:03	0° $\mathbb{M}$		morning set	1396 Nov 04 j 00:12	11° $\mathbb{M}$ 22'17	
greatest brilliancy	1395 Nov 14 j 07:25	15° $\mathbb{M}$ 14'06	-0.7m	desc. node	1396 Nov 10 j 22:38	22° $\mathbb{M}$ 21'21	
	1395 Nov 23 j 22:48	0° $\mathbb{A}$			1396 Nov 15 j 19:09	0° $\mathbb{A}$	
morning set	1395 Nov 25 j 05:09	1° $\mathbb{A}$ 57'28		superior conj	1396 Nov 20 j 02:39	6° $\mathbb{A}$ 46'30	-0°58'31
desc. node	1395 Nov 25 j 01:38	1° $\mathbb{A}$ 43'51		minimum elong	1396 Nov 19 j 19:25	6° $\mathbb{A}$ 18'04	0°57'37
max. Earth dist.	1395 Dec 08 j 04:57	22° $\mathbb{A}$ 16'23	1.44511 AU	max. Earth dist.	1396 Nov 19 j 22:38	6° $\mathbb{A}$ 30'44	1.45087 AU
					1396 Dec 04 j 19:07	0° $\mathbb{B}$	
superior conj	1395 Dec 11 j 23:31	28° $\mathbb{A}$ 16'45	-1°38'04	evening rise	1396 Dec 05 j 20:52	1° $\mathbb{B}$ 42'51	
minimum elong	1395 Dec 11 j 15:16	27° $\mathbb{A}$ 43'47	1°37'20	greatest brilliancy	1396 Dec 13 j 15:41	14° $\mathbb{B}$ 09'30	-0.8m
	1395 Dec 13 j 01:16	0° $\mathbb{B}$			1396 Dec 24 j 06:47	0° $\approx$	
evening rise	1395 Dec 26 j 01:48	21° $\mathbb{B}$ 22'28		evening max el	1396 Dec 27 j 12:42	3° $\approx$ 48'02	18°54'29
	1395 Dec 31 j 05:23	0° $\approx$		asc. node	1396 Dec 30 j 05:06	6° $\approx$ 08'13	
asc. node	1396 Jan 13 j 08:04	19° $\approx$ 34'31		retrograde	1397 Jan 03 j 08:13	7° $\approx$ 38'56	
evening max el	1396 Jan 14 j 02:07	20° $\approx$ 22'12	18°22'13	evening set	1397 Jan 06 j 14:00	6° $\approx$ 38'22	
retrograde	1396 Jan 20 j 14:02	23° $\approx$ 54'09		inferior conj	1397 Jan 12 j 06:05	0° $\approx$ 54'16	3°26'25
evening set	1396 Jan 23 j 13:56	23° $\approx$ 05'22		minimum elong	1397 Jan 12 j 03:55	1° $\approx$ 01'01	3°26'03
inferior conj	1396 Jan 29 j 12:47	17° $\approx$ 38'19	3°42'53		1397 Jan 12 j 23:28	30° $\mathbb{R}$ $\mathbb{B}$	
minimum elong	1396 Jan 29 j 11:45	17° $\approx$ 41'16	3°42'49	min. Earth dist.	1397 Jan 13 j 21:42	28° $\mathbb{B}$ 51'11	0.65519 AU
min. Earth dist.	1396 Jan 31 j 19:47	15° $\approx$ 01'38	0.64005 AU	morning rise	1397 Jan 17 j 17:28	24° $\mathbb{B}$ 43'47	
morning rise	1396 Feb 04 j 08:56	11° $\approx$ 32'37		direct	1397 Jan 24 j 07:20	21° $\mathbb{B}$ 52'22	
direct	1396 Feb 11 j 06:37	8° $\approx$ 44'08		morning max el	1397 Feb 06 j 08:42	29° $\mathbb{B}$ 32'48	26°45'04
desc. node	1396 Feb 21 j 00:47	13° $\approx$ 03'50		desc. node	1397 Feb 06 j 21:50	0° $\approx$ 06'11	
morning max el	1396 Feb 24 j 22:47	16° $\approx$ 36'25	27°32'55		1397 Feb 06 j 19:25	0° $\approx$	
	1396 Mar 07 j 01:24	0° $\mathbb{H}$			1397 Feb 28 j 22:34	0° $\mathbb{H}$	
	1396 Mar 25 j 15:39	0° $\mathbb{Y}$		morning set	1397 Mar 14 j 06:25	23° $\mathbb{H}$ 24'40	
morning set	1396 Mar 30 j 21:33	10° $\mathbb{Y}$ 01'18			1397 Mar 17 j 15:50	0° $\mathbb{Y}$	
max. Earth dist.	1396 Apr 04 j 21:47	20° $\mathbb{Y}$ 13'05	1.33298 AU	max. Earth dist.	1397 Mar 18 j 13:55	1° $\mathbb{Y}$ 49'48	1.34476 AU
				superior conj	1397 Mar 22 j 19:58	10° $\mathbb{Y}$ 29'53	-0°53'44
superior conj	1396 Apr 07 j 19:16	26° $\mathbb{Y}$ 20'05	-0°26'08	minimum elong	1397 Mar 22 j 22:38	10° $\mathbb{Y}$ 43'45	0°53'14
minimum elong	1396 Apr 07 j 20:33	26° $\mathbb{Y}$ 26'57	0°25'52	asc. node	1397 Mar 28 j 04:24	21° $\mathbb{Y}$ 42'56	
	1396 Apr 09 j 12:21	0° $\mathbb{B}$		evening rise	1397 Mar 30 j 08:39	26° $\mathbb{Y}$ 16'04	
asc. node	1396 Apr 10 j 07:22	1° $\mathbb{B}$ 42'12			1397 Apr 01 j 04:11	0° $\mathbb{B}$	
evening rise	1396 Apr 14 j 23:05	11° $\mathbb{B}$ 39'05		evening max el	1397 Apr 18 j 21:10	27° $\mathbb{B}$ 52'15	21°10'49
	1396 Apr 24 j 09:45	0° $\mathbb{I}$			1397 Apr 21 j 07:44	0° $\mathbb{I}$	
evening max el	1396 May 06 j 23:18	17° $\mathbb{I}$ 05'34	22°40'52	retrograde	1397 Apr 30 j 17:56	3° $\mathbb{I}$ 39'08	
desc. node	1396 May 18 j 23:58	23° $\mathbb{I}$ 35'22		evening set	1397 May 03 j 00:16	3° $\mathbb{I}$ 27'14	
retrograde	1396 May 20 j 03:51	23° $\mathbb{I}$ 38'26		desc. node	1397 May 05 j 20:59	2° $\mathbb{I}$ 40'49	
evening set	1396 May 23 j 08:34	23° $\mathbb{I}$ 15'58			1397 May 11 j 10:35	30° $\mathbb{R}$ $\mathbb{B}$	
min. Earth dist.	1396 May 31 j 07:22	19° $\mathbb{I}$ 47'28	0.55351 AU	inferior conj	1397 May 12 j 09:11	29° $\mathbb{B}$ 28'16	-1°52'00
inferior conj	1396 Jun 01 j 14:55	19° $\mathbb{I}$ 02'25	-3°36'17	minimum elong	1397 May 12 j 03:58	29° $\mathbb{B}$ 35'37	1°50'10
minimum elong	1396 Jun 01 j 07:12	19° $\mathbb{I}$ 13'27	3°34'18	min. Earth dist.	1397 May 12 j 19:56	29° $\mathbb{B}$ 13'07	0.54925 AU
morning rise	1396 Jun 10 j 08:08	15° $\mathbb{I}$ 10'14		morning rise	1397 May 21 j 07:50	25° $\mathbb{B}$ 27'11	
direct	1396 Jun 13 j 04:59	14° $\mathbb{I}$ 51'13		direct	1397 May 24 j 14:46	25° $\mathbb{B}$ 03'46	
morning max el	1396 Jun 24 j 10:19	20° $\mathbb{I}$ 03'42	20°54'17		1397 Jun 05 j 02:29	0° $\mathbb{I}$	
	1396 Jul 02 j 11:29	0° $\mathbb{E}$		morning max el	1397 Jun 06 j 09:27	1° $\mathbb{I}$ 08'50	22°27'49
asc. node	1396 Jul 07 j 06:38	8° $\mathbb{E}$ 04'10		asc. node	1397 Jun 24 j 03:40	27° $\mathbb{I}$ 25'58	
morning set	1396 Jul 13 j 20:44	20° $\mathbb{E}$ 58'45			1397 Jun 25 j 10:41	0° $\mathbb{E}$	
	1396 Jul 18 j 04:54	0° $\Omega$		morning set	1397 Jun 28 j 07:02	5° $\mathbb{E}$ 50'53	
superior conj	1396 Jul 21 j 08:10	6° $\Omega$ 29'41	1°43'42	superior conj	1397 Jul 05 j 11:11	21° $\mathbb{E}$ 05'07	1°34'53
minimum elong	1396 Jul 21 j 07:01	6° $\Omega$ 23'47	1°43'40	minimum elong	1397 Jul 05 j 09:07	20° $\mathbb{E}$ 54'10	1°34'42
max. Earth dist.	1396 Jul 25 j 20:51	15° $\Omega$ 36'52	1.35705 AU	max. Earth dist.	1397 Jul 08 j 14:02	27° $\mathbb{E}$ 37'03	1.34248 AU
evening rise	1396 Jul 30 j 00:13	23° $\Omega$ 34'19			1397 Jul 09 j 17:52	0° $\Omega$	
	1396 Aug 02 j 12:23	0° $\mathbb{H}$		evening rise	1397 Jul 13 j 08:36	7° $\Omega$ 13'32	
desc. node	1396 Aug 14 j 23:19	20° $\mathbb{H}$ 34'08			1397 Jul 26 j 02:19	0° $\mathbb{H}$	
	1396 Aug 21 j 12:04	0° $\mathbb{A}$		desc. node	1397 Aug 01 j 20:19	10° $\mathbb{H}$ 22'32	
evening max el	1396 Sep 03 j 14:06	15° $\mathbb{A}$ 35'03	26°24'04	evening max el	1397 Aug 17 j 02:07	29° $\mathbb{H}$ 04'37	27°08'09
retrograde	1396 Sep 16 j 08:46	22° $\mathbb{A}$ 46'49			1397 Aug 18 j 01:49	0° $\mathbb{A}$	
evening set	1396 Sep 22 j 19:39	20° $\mathbb{A}$ 06'51		retrograde	1397 Aug 30 j 09:52	6° $\mathbb{A}$ 23'13	
min. Earth dist.	1396 Sep 26 j 22:40	15° $\mathbb{A}$ 47'02	0.66289 AU	evening set	1397 Sep 06 j 07:59	3° $\mathbb{A}$ 38'44	
inferior conj	1396 Sep 28 j 12:21	13° $\mathbb{A}$ 52'15	-1°36'03	min. Earth dist.	1397 Sep 10 j 04:13	29° $\mathbb{H}$ 55'16	0.65096 AU
minimum elong	1396 Sep 28 j 14:52	13° $\mathbb{A}$ 44'34	1°35'01				
asc. node	1396 Oct 03 j 05:50	8° $\mathbb{A}$ 53'09					

	1397 Sep 10 j 02:30	30° $\mathbb{R}$ $\mathbb{M}$			1398 Jul 20 j 00:17	0° $\mathbb{M}$	
inferior conj	1397 Sep 12 j 06:20	27° $\mathbb{M}$ 34'38	-2°33'29	evening max el	1398 Jul 30 j 13:02	12° $\mathbb{M}$ 14'15	27°25'49
minimum elong	1397 Sep 12 j 10:20	27° $\mathbb{M}$ 23'24	2°32'02	retrograde	1398 Aug 13 j 04:53	19° $\mathbb{M}$ 32'26	
morning rise	1397 Sep 18 j 13:30	22° $\mathbb{M}$ 00'43		evening set	1398 Aug 20 j 09:20	16° $\mathbb{M}$ 54'05	
asc. node	1397 Sep 20 j 02:52	21° $\mathbb{M}$ 28'28		min. Earth dist.	1398 Aug 24 j 00:36	13° $\mathbb{M}$ 43'42	0.63548 AU
direct	1397 Sep 21 j 06:41	21° $\mathbb{M}$ 21'13		inferior conj	1398 Aug 26 j 15:23	11° $\mathbb{M}$ 04'35	-3°27'59
morning max el	1397 Sep 27 j 19:08	24° $\mathbb{M}$ 51'38	18°08'03	minimum elong	1398 Aug 26 j 20:25	10° $\mathbb{M}$ 51'48	3°26'31
	1397 Oct 02 j 01:04	0° $\mathbb{L}$		morning rise	1398 Sep 02 j 08:41	5° $\mathbb{M}$ 47'16	
morning set	1397 Oct 16 j 00:21	22° $\mathbb{L}$ 13'44		direct	1398 Sep 04 j 21:13	5° $\mathbb{M}$ 16'22	
	1397 Oct 20 j 17:28	0° $\mathbb{M}$		asc. node	1398 Sep 06 j 23:54	5° $\mathbb{M}$ 38'25	
desc. node	1397 Oct 28 j 19:38	13° $\mathbb{M}$ 05'14		morning max el	1398 Sep 11 j 11:11	8° $\mathbb{M}$ 42'07	17°53'00
					1398 Sep 25 j 14:30	0° $\mathbb{L}$	
superior conj	1397 Oct 30 j 07:18	15° $\mathbb{M}$ 27'16	-0°09'56	morning set	1398 Sep 28 j 02:25	4° $\mathbb{L}$ 20'19	
minimum elong	1397 Oct 30 j 06:02	15° $\mathbb{M}$ 22'16	0°09'45				
behind sun begin	1397 Oct 29 j 21:18	14° $\mathbb{M}$ 47'28		superior conj	1398 Oct 10 j 08:30	25° $\mathbb{L}$ 10'41	0°35'31
behind sun end	1397 Oct 30 j 14:47	15° $\mathbb{M}$ 57'02		minimum elong	1398 Oct 10 j 12:04	25° $\mathbb{L}$ 25'23	0°35'02
max. Earth dist.	1397 Nov 02 j 17:16	20° $\mathbb{M}$ 51'38	1.44925 AU		1398 Oct 13 j 07:10	0° $\mathbb{M}$	
	1397 Nov 08 j 13:11	0° $\mathbb{J}$		desc. node	1398 Oct 15 j 16:41	3° $\mathbb{M}$ 52'19	
evening rise	1397 Nov 15 j 17:49	11° $\mathbb{J}$ 11'00		max. Earth dist.	1398 Oct 16 j 10:28	5° $\mathbb{M}$ 03'37	1.44054 AU
	1397 Nov 27 j 23:43	0° $\mathbb{Z}$		evening rise	1398 Oct 26 j 02:21	20° $\mathbb{M}$ 13'17	
greatest brilliancy	1397 Nov 28 j 17:06	1° $\mathbb{Z}$ 05'20	-0.7m		1398 Nov 01 j 12:08	0° $\mathbb{J}$	
evening max el	1397 Dec 10 j 19:23	17° $\mathbb{Z}$ 16'36	19°43'14		1398 Nov 23 j 03:07	0° $\mathbb{Z}$	
asc. node	1397 Dec 17 j 02:08	21° $\mathbb{Z}$ 28'03		evening max el	1398 Nov 23 j 20:54	0° $\mathbb{Z}$ 46'46	20°46'02
retrograde	1397 Dec 18 j 05:21	21° $\mathbb{Z}$ 35'12		retrograde	1398 Dec 02 j 03:06	5° $\mathbb{Z}$ 39'46	
evening set	1397 Dec 21 j 18:34	20° $\mathbb{Z}$ 21'26		asc. node	1398 Dec 03 j 23:10	5° $\mathbb{Z}$ 20'51	
inferior conj	1397 Dec 27 j 06:15	14° $\mathbb{Z}$ 22'55	2°58'17	evening set	1398 Dec 06 j 01:36	4° $\mathbb{Z}$ 11'04	
minimum elong	1397 Dec 27 j 03:36	14° $\mathbb{Z}$ 31'40	2°57'36		1398 Dec 09 j 23:29	30° $\mathbb{R}$ $\mathbb{J}$	
min. Earth dist.	1397 Dec 28 j 07:39	12° $\mathbb{Z}$ 59'08	0.66640 AU	inferior conj	1398 Dec 11 j 10:50	28° $\mathbb{J}$ 01'03	2°21'13
morning rise	1398 Jan 01 j 12:24	8° $\mathbb{Z}$ 10'07		minimum elong	1398 Dec 11 j 08:15	28° $\mathbb{J}$ 09'50	2°20'23
direct	1398 Jan 07 j 14:01	5° $\mathbb{Z}$ 28'01		min. Earth dist.	1398 Dec 11 j 23:29	27° $\mathbb{J}$ 17'46	0.67371 AU
morning max el	1398 Jan 19 j 17:43	12° $\mathbb{Z}$ 42'07	25°33'42	morning rise	1398 Dec 16 j 14:44	21° $\mathbb{J}$ 47'52	
desc. node	1398 Jan 24 j 18:52	18° $\mathbb{Z}$ 17'55		direct	1398 Dec 22 j 01:48	19° $\mathbb{J}$ 23'36	
	1398 Feb 02 j 17:02	0° $\mathbb{A}$		morning max el	1399 Jan 02 j 02:01	25° $\mathbb{J}$ 57'33	24°08'54
	1398 Feb 21 j 15:53	0° $\mathbb{H}$			1399 Jan 05 j 18:59	0° $\mathbb{Z}$	
morning set	1398 Feb 24 j 23:59	5° $\mathbb{H}$ 58'07		desc. node	1399 Jan 11 j 15:54	7° $\mathbb{Z}$ 19'08	
max. Earth dist.	1398 Feb 28 j 18:05	12° $\mathbb{H}$ 56'34	1.36109 AU		1399 Jan 27 j 06:40	0° $\mathbb{A}$	
				morning set	1399 Feb 06 j 20:28	17° $\mathbb{A}$ 25'44	
superior conj	1398 Mar 06 j 12:17	24° $\mathbb{H}$ 09'53	-1°20'06	max. Earth dist.	1399 Feb 10 j 14:14	24° $\mathbb{A}$ 01'03	1.38110 AU
minimum elong	1398 Mar 06 j 16:05	24° $\mathbb{H}$ 28'52	1°19'31		1399 Feb 13 j 21:05	0° $\mathbb{H}$	
	1398 Mar 09 j 09:42	0° $\mathbb{Y}$					
evening rise	1398 Mar 14 j 14:05	10° $\mathbb{Y}$ 34'42		superior conj	1399 Feb 17 j 16:49	7° $\mathbb{H}$ 11'11	-1°42'55
asc. node	1398 Mar 15 j 01:25	11° $\mathbb{Y}$ 32'08		minimum elong	1399 Feb 17 j 20:57	7° $\mathbb{H}$ 30'57	1°42'29
	1398 Mar 25 j 01:18	0° $\mathbb{B}$		evening rise	1399 Feb 26 j 12:58	24° $\mathbb{H}$ 28'29	
evening max el	1398 Apr 01 j 06:22	9° $\mathbb{B}$ 14'30	19°55'51		1399 Mar 01 j 08:56	0° $\mathbb{Y}$	
retrograde	1398 Apr 11 j 09:35	14° $\mathbb{B}$ 07'33		asc. node	1399 Mar 01 j 22:28	1° $\mathbb{Y}$ 04'56	
evening set	1398 Apr 13 j 10:39	13° $\mathbb{B}$ 56'30		evening max el	1399 Mar 15 j 02:40	21° $\mathbb{Y}$ 15'41	18°59'57
inferior conj	1398 Apr 22 j 07:36	9° $\mathbb{B}$ 56'18	0°07'32	retrograde	1399 Mar 23 j 15:28	25° $\mathbb{Y}$ 23'37	
minimum elong	1398 Apr 22 j 07:56	9° $\mathbb{B}$ 55'47	0°07'25	evening set	1399 Mar 25 j 20:27	25° $\mathbb{Y}$ 08'11	
transit middle	1398 Apr 22 j 07:56	9° $\mathbb{B}$ 55'47	0°07'25	inferior conj	1399 Apr 02 j 22:25	20° $\mathbb{Y}$ 53'15	1°49'37
transit begin	1398 Apr 22 j 04:25	10° $\mathbb{B}$ 01'09		minimum elong	1399 Apr 03 j 02:11	20° $\mathbb{Y}$ 46'37	1°48'27
transit end	1398 Apr 22 j 11:27	9° $\mathbb{B}$ 50'25		min. Earth dist.	1399 Apr 06 j 01:26	18° $\mathbb{Y}$ 42'37	0.56865 AU
desc. node	1398 Apr 22 j 18:02	9° $\mathbb{B}$ 40'22		desc. node	1399 Apr 09 j 15:04	16° $\mathbb{Y}$ 34'42	
min. Earth dist.	1398 Apr 24 j 09:47	8° $\mathbb{B}$ 40'03	0.55472 AU	morning rise	1399 Apr 11 j 04:53	15° $\mathbb{Y}$ 51'45	
morning rise	1398 May 01 j 03:02	5° $\mathbb{B}$ 28'32		direct	1399 Apr 16 j 09:17	14° $\mathbb{Y}$ 48'09	
direct	1398 May 05 j 05:42	4° $\mathbb{B}$ 51'16		morning max el	1399 Apr 30 j 15:58	22° $\mathbb{Y}$ 11'20	25°45'16
morning max el	1398 May 19 j 01:20	11° $\mathbb{B}$ 42'55	24°09'25		1399 May 07 j 13:12	0° $\mathbb{B}$	
	1398 Jun 01 j 21:42	0° $\mathbb{I}$			1399 May 25 j 12:03	0° $\mathbb{I}$	
asc. node	1398 Jun 11 j 00:41	17° $\mathbb{I}$ 07'55		morning set	1399 May 28 j 06:22	5° $\mathbb{I}$ 42'52	
morning set	1398 Jun 12 j 18:47	20° $\mathbb{I}$ 47'15		asc. node	1399 May 28 j 21:44	7° $\mathbb{I}$ 04'12	
	1398 Jun 17 j 01:47	0° $\mathbb{E}$					
superior conj	1398 Jun 19 j 19:09	5° $\mathbb{E}$ 54'34	1°20'50	superior conj	1399 Jun 04 j 05:56	20° $\mathbb{I}$ 51'07	1°02'32
minimum elong	1398 Jun 19 j 16:43	5° $\mathbb{E}$ 41'26	1°20'31	minimum elong	1399 Jun 04 j 03:39	20° $\mathbb{I}$ 38'37	1°02'08
max. Earth dist.	1398 Jun 21 j 16:24	9° $\mathbb{E}$ 58'18	1.33191 AU	max. Earth dist.	1399 Jun 05 j 01:34	22° $\mathbb{I}$ 38'41	1.32528 AU
evening rise	1398 Jun 27 j 03:58	21° $\mathbb{E}$ 24'58			1399 Jun 08 j 11:00	0° $\mathbb{E}$	
	1398 Jul 01 j 13:03	0° $\mathbb{Q}$		evening rise	1399 Jun 11 j 07:01	5° $\mathbb{E}$ 58'32	
desc. node	1398 Jul 19 j 17:21	29° $\mathbb{Q}$ 36'33			1399 Jun 24 j 03:04	0° $\mathbb{Q}$	
				desc. node	1399 Jul 06 j 14:22	18° $\mathbb{Q}$ 01'54	



evening max el	1399 Jul 12 j 20:15	24°♎50'15	27°11'47		1400 Jun 17 j 18:55	0°♎	
	1399 Jul 19 j 14:17	0°♎		desc. node	1400 Jun 22 j 11:23	5°♎18'40	
retrograde	1399 Jul 26 j 16:50	2°♎05'19		evening max el	1400 Jun 23 j 21:11	6°♎42'08	26°24'40
	1399 Aug 02 j 10:45	30°♎♎		retrograde	1400 Jul 07 j 20:51	13°♎54'37	
evening set	1399 Aug 02 j 19:44	29°♎45'55		evening set	1400 Jul 14 j 10:38	12°♎06'46	
min. Earth dist.	1399 Aug 06 j 10:27	27°♎00'06	0.61693 AU	min. Earth dist.	1400 Jul 18 j 10:13	9°♎30'32	0.59648 AU
inferior conj	1399 Aug 09 j 12:26	24°♎14'14	-4°14'59	inferior conj	1400 Jul 21 j 17:57	6°♎54'50	-4°46'58
minimum elong	1399 Aug 09 j 17:23	24°♎03'04	4°13'58	minimum elong	1400 Jul 21 j 20:51	6°♎49'08	4°46'42
morning rise	1399 Aug 16 j 16:35	19°♎17'02		morning rise	1400 Jul 29 j 09:08	2°♎20'20	
direct	1399 Aug 19 j 03:12	18°♎51'47		direct	1400 Jul 31 j 20:16	1°♎58'41	
asc. node	1399 Aug 24 j 20:58	21°♎15'49		morning max el	1400 Aug 08 j 12:06	5°♎40'44	18°19'14
morning max el	1399 Aug 26 j 01:50	22°♎20'53	17°56'21	asc. node	1400 Aug 10 j 18:02	8°♎06'46	
	1399 Sep 01 j 00:14	0°♎			1400 Aug 23 j 21:51	0°♎	
morning set	1399 Sep 11 j 00:01	17°♎22'37		morning set	1400 Aug 24 j 11:40	1°♎05'43	
	1399 Sep 17 j 23:41	0°♎					
superior conj	1399 Sep 21 j 12:55	6°♎14'10	1°10'15	superior conj	1400 Sep 02 j 17:51	18°♎30'36	1°32'38
minimum elong	1399 Sep 21 j 17:35	6°♎34'24	1°09'43	minimum elong	1400 Sep 02 j 21:15	18°♎46'09	1°32'20
max. Earth dist.	1399 Sep 28 j 23:35	18°♎48'52	1.42583 AU		1400 Sep 09 j 04:48	0°♎	
desc. node	1399 Oct 02 j 13:43	24°♎38'53		max. Earth dist.	1400 Sep 10 j 07:07	1°♎53'15	1.40702 AU
evening rise	1399 Oct 05 j 15:07	29°♎30'53		evening rise	1400 Sep 14 j 22:45	9°♎41'36	
	1399 Oct 05 j 22:30	0°♎		desc. node	1400 Sep 18 j 10:44	15°♎21'51	
	1399 Oct 26 j 03:55	0°♎			1400 Sep 27 j 23:09	0°♎	
evening max el	1399 Nov 06 j 16:43	14°♎17'23	21°59'31	evening max el	1400 Oct 19 j 07:47	27°♎49'58	23°18'51
retrograde	1399 Nov 15 j 23:37	19°♎48'53			1400 Oct 21 j 15:14	0°♎	
evening set	1399 Nov 20 j 09:19	18°♎03'40		retrograde	1400 Oct 29 j 17:29	3°♎59'39	
asc. node	1399 Nov 20 j 20:13	17°♎40'34		evening set	1400 Nov 03 j 16:05	1°♎57'08	
inferior conj	1399 Nov 25 j 17:43	11°♎45'25	1°37'09		1400 Nov 05 j 15:05	30°♎♎	
minimum elong	1399 Nov 25 j 15:41	11°♎52'27	1°36'23	asc. node	1400 Nov 06 j 17:16	28°♎41'07	
min. Earth dist.	1399 Nov 25 j 18:55	11°♎41'14	0.67734 AU	min. Earth dist.	1400 Nov 08 j 15:37	26°♎06'49	0.67754 AU
morning rise	1399 Nov 30 j 21:54	5°♎33'42		inferior conj	1400 Nov 09 j 01:04	25°♎34'24	0°47'35
direct	1399 Dec 05 j 17:48	3°♎31'35		minimum elong	1400 Nov 08 j 23:58	25°♎38'10	0°47'08
morning max el	1399 Dec 15 j 12:11	9°♎18'20	22°40'41	morning rise	1400 Nov 14 j 07:48	19°♎26'06	
desc. node	1399 Dec 29 j 12:57	26°♎55'17		direct	1400 Nov 18 j 13:14	17°♎46'50	
	1399 Dec 31 j 16:48	0°♎		morning max el	1400 Nov 27 j 03:43	22°♎47'59	21°17'23
morning set	1400 Jan 18 j 13:46	27°♎32'13			1400 Dec 03 j 07:54	0°♎	
	1400 Jan 20 j 01:33	0°♎		desc. node	1400 Dec 15 j 10:00	16°♎56'42	
max. Earth dist.	1400 Jan 23 j 10:14	5°♎39'42	1.40258 AU		1400 Dec 24 j 01:18	0°♎	
				morning set	1400 Dec 28 j 02:33	6°♎19'01	
superior conj	1400 Jan 31 j 05:02	19°♎21'46	-1°58'59	max. Earth dist.	1401 Jan 04 j 12:00	18°♎11'52	1.42261 AU
minimum elong	1400 Jan 31 j 07:56	19°♎34'55	1°58'50				
	1400 Feb 05 j 23:00	0°♎		superior conj	1401 Jan 11 j 19:40	0°♎29'22	-2°03'58
evening rise	1400 Feb 10 j 02:15	7°♎49'24		minimum elong	1401 Jan 11 j 18:58	0°♎26'19	2°03'58
asc. node	1400 Feb 16 j 19:31	20°♎14'59			1401 Jan 11 j 12:50	0°♎	
	1400 Feb 23 j 00:15	0°♎		evening rise	1401 Jan 23 j 02:14	20°♎29'19	
evening max el	1400 Feb 26 j 07:26	3°♎49'19	18°24'11		1401 Jan 28 j 09:09	0°♎	
retrograde	1400 Mar 04 j 16:35	7°♎28'09		asc. node	1401 Feb 02 j 16:34	8°♎55'02	
evening set	1400 Mar 07 j 03:14	7°♎05'18		evening max el	1401 Feb 08 j 17:34	16°♎47'15	18°08'20
inferior conj	1400 Mar 14 j 10:27	2°♎30'13	2°58'27	retrograde	1401 Feb 15 j 10:39	20°♎12'44	
minimum elong	1400 Mar 14 j 14:13	2°♎22'28	2°57'39	evening set	1401 Feb 18 j 02:32	19°♎40'42	
	1400 Mar 17 j 11:50	30°♎♎		inferior conj	1401 Feb 24 j 18:19	14°♎44'50	3°34'47
min. Earth dist.	1400 Mar 17 j 20:59	29°♎42'05	0.58798 AU	minimum elong	1401 Feb 24 j 20:16	14°♎40'12	3°34'36
morning rise	1400 Mar 21 j 22:33	26°♎59'31		min. Earth dist.	1401 Feb 27 j 23:13	11°♎43'14	0.60929 AU
desc. node	1400 Mar 26 j 12:06	25°♎26'45		morning rise	1401 Mar 03 j 12:13	8°♎54'35	
direct	1400 Mar 28 j 02:08	25°♎20'09		direct	1401 Mar 10 j 06:37	6°♎39'30	
	1400 Apr 08 j 00:49	0°♎		desc. node	1401 Mar 13 j 09:10	7°♎06'03	
morning max el	1400 Apr 11 j 10:52	3°♎02'15	26°59'58	morning max el	1401 Mar 24 j 12:07	14°♎32'03	27°41'49
	1400 Apr 30 j 23:44	0°♎			1401 Apr 05 j 23:49	0°♎	
morning set	1400 May 11 j 16:10	20°♎32'13			1401 Apr 23 j 09:22	0°♎	
asc. node	1400 May 14 j 18:48	27°♎09'42		morning set	1401 Apr 25 j 22:15	5°♎08'11	
	1400 May 16 j 02:09	0°♎		asc. node	1401 May 01 j 15:50	17°♎19'11	
superior conj	1400 May 18 j 17:44	5°♎48'48	0°40'46	max. Earth dist.	1401 May 02 j 01:33	18°♎12'01	1.32327 AU
minimum elong	1400 May 18 j 16:03	5°♎39'30	0°40'26				
max. Earth dist.	1400 May 18 j 13:57	5°♎27'59	1.32238 AU	superior conj	1401 May 03 j 04:49	20°♎41'01	0°16'15
evening rise	1400 May 25 j 15:07	20°♎45'41		minimum elong	1401 May 03 j 04:04	20°♎36'58	0°16'04
	1400 May 30 j 03:54	0°♎			1401 May 07 j 11:02	0°♎	
				evening rise	1401 May 10 j 02:01	5°♎38'17	
					1401 May 22 j 23:07	0°♎	

evening max el	1401 Jun 05 j 15:00	17°  47'57	25°09'01	behind sun end	1402 Apr 17 j 18:00	5°  46'41	
desc. node	1401 Jun 09 j 08:25	20°  58'07		asc. node	1402 Apr 18 j 12:53	7°  28'47	
retrograde	1401 Jun 19 j 15:07	24°  55'24		evening rise	1402 Apr 24 j 13:52	20°  30'03	
evening set	1401 Jun 25 j 02:13	23°  46'32			1402 Apr 29 j 05:09	0°  II	
min. Earth dist.	1401 Jun 30 j 02:40	21°  01'11	0.57640 AU	evening max el	1402 May 18 j 05:03	28°  II23'40	23°36'11
inferior conj	1401 Jul 03 j 04:31	18°  55'59	-4°52'34		1402 May 19 j 23:24	0°  ☿	
minimum elong	1401 Jul 03 j 02:59	18°  58'36	4°52'30	desc. node	1402 May 27 j 05:24	4°  ☿24'59	
morning rise	1401 Jul 11 j 06:24	14°  43'40		retrograde	1402 May 31 j 21:05	5°  ☿14'13	
direct	1401 Jul 13 j 19:55	14°  24'14		evening set	1402 Jun 04 j 20:46	4°  ☿39'17	
morning max el	1401 Jul 22 j 14:45	18°  31'18	19°02'50	min. Earth dist.	1402 Jun 11 j 15:32	1°  ☿29'50	0.56001 AU
asc. node	1401 Jul 28 j 15:05	25°  55'15		inferior conj	1402 Jun 13 j 18:57	0°  ☿12'44	-4°17'59
	1401 Jul 31 j 04:30	0°  ♊		minimum elong	1402 Jun 13 j 12:30	0°  ☿22'28	4°16'48
morning set	1401 Aug 08 j 09:09	15°  ♊17'29			1402 Jun 14 j 03:25	30°  ♊II	
	1401 Aug 15 j 20:16	0°  ♊		morning rise	1402 Jun 22 j 06:54	26°  ♊16'21	
				direct	1402 Jun 25 j 00:23	25°  ♊57'45	
superior conj	1401 Aug 16 j 17:36	1°  ♊42'54	1°43'52		1402 Jul 04 j 11:38	0°  ☿	
minimum elong	1401 Aug 16 j 19:01	1°  ♊49'46	1°43'48	morning max el	1402 Jul 05 j 07:04	0°  ☿43'20	20°07'40
max. Earth dist.	1401 Aug 23 j 10:33	14°  ♊13'17	1.38661 AU	asc. node	1402 Jul 15 j 12:08	14°  ☿28'13	
evening rise	1401 Aug 27 j 06:40	21°  ♊00'09		morning set	1402 Jul 23 j 13:24	29°  ☿50'04	
	1401 Sep 01 j 14:57	0°  ♋			1402 Jul 23 j 15:22	0°  ♋	
desc. node	1401 Sep 05 j 07:45	5°  ♋56'40		superior conj	1402 Jul 31 j 06:59	15°  ♋36'29	1°45'56
	1401 Sep 21 j 23:56	0°  ♋		minimum elong	1402 Jul 31 j 06:38	15°  ♋34'43	1°45'56
evening max el	1401 Oct 01 j 20:08	11°  ♋25'48	24°37'59	max. Earth dist.	1402 Aug 05 j 15:32	26°  ♋06'49	1.36715 AU
retrograde	1401 Oct 13 j 07:34	18°  ♋07'43			1402 Aug 07 j 16:59	0°  ♋	
evening set	1401 Oct 18 j 20:12	15°  ♋48'27		evening rise	1402 Aug 09 j 13:03	3°  ♋22'59	
min. Earth dist.	1401 Oct 23 j 11:12	10°  ♋31'45	0.67443 AU	desc. node	1402 Aug 23 j 04:45	26°  ♋18'42	
inferior conj	1401 Oct 24 j 07:07	9°  ♋25'25	-0°06'12		1402 Aug 25 j 15:01	0°  ♋	
minimum elong	1401 Oct 24 j 07:16	9°  ♋24'55	0°06'08	evening max el	1402 Sep 14 j 08:00	25°  ♋04'45	25°49'31
transit middle	1401 Oct 24 j 07:16	9°  ♋24'55	0°06'08		1402 Sep 20 j 09:09	0°  ♋	
transit begin	1401 Oct 24 j 04:43	9°  ♋33'24		retrograde	1402 Sep 26 j 16:56	2°  ♋08'24	
transit end	1401 Oct 24 j 09:48	9°  ♋16'27			1402 Oct 02 j 07:33	30°  ♋♋	
asc. node	1401 Oct 24 j 14:18	9°  ♋01'29		evening set	1402 Oct 02 j 19:52	29°  ♋34'55	
morning rise	1401 Oct 29 j 18:25	3°  ♋22'55		min. Earth dist.	1402 Oct 07 j 03:13	24°  ♋53'43	0.66806 AU
direct	1401 Nov 02 j 10:57	2°  ♋04'40		inferior conj	1402 Oct 08 j 10:04	23°  ♋16'01	-1°02'49
morning max el	1401 Nov 10 j 02:42	6°  ♋27'50	20°04'58	minimum elong	1402 Oct 08 j 11:41	23°  ♋10'52	1°02'07
	1401 Nov 27 j 11:59	0°  ♌		asc. node	1402 Oct 11 j 11:21	19°  ♋38'33	
desc. node	1401 Dec 02 j 07:03	7°  ♌16'07		morning rise	1402 Oct 14 j 03:48	17°  ♋22'04	
morning set	1401 Dec 06 j 23:00	14°  ♌26'13		direct	1402 Oct 17 j 09:30	16°  ♋21'41	
	1401 Dec 16 j 21:18	0°  ♌		morning max el	1402 Oct 24 j 09:08	20°  ♋16'35	19°06'49
max. Earth dist.	1401 Dec 17 j 21:04	1°  ♌34'48	1.43852 AU		1402 Nov 01 j 01:28	0°  ♋	
superior conj	1401 Dec 23 j 08:21	10°  ♌25'18	-1°53'00	morning set	1402 Nov 16 j 03:59	23°  ♋06'30	
minimum elong	1401 Dec 23 j 02:21	10°  ♌00'48	1°52'38	desc. node	1402 Nov 19 j 04:03	27°  ♋48'00	
	1402 Jan 04 j 00:10	0°  ♌			1402 Nov 20 j 13:49	0°  ♌	
evening rise	1402 Jan 05 j 08:37	2°  ♌19'41		max. Earth dist.	1402 Nov 30 j 12:26	15°  ♌35'30	1.44840 AU
asc. node	1402 Jan 20 j 13:36	26°  ♌55'54		superior conj	1402 Dec 02 j 20:21	19°  ♌16'13	-1°23'08
	1402 Jan 23 j 05:25	0°  ♌		minimum elong	1402 Dec 02 j 11:40	18°  ♌41'51	1°22'13
evening max el	1402 Jan 23 j 06:03	0°  ♌01'36	18°11'52		1402 Dec 09 j 13:55	0°  ♌	
retrograde	1402 Jan 29 j 17:17	3°  ♌27'34		evening rise	1402 Dec 17 j 17:12	13°  ♌12'55	
evening set	1402 Feb 01 j 14:10	2°  ♌45'14			1402 Dec 28 j 00:12	0°  ♌	
	1402 Feb 05 j 07:34	30°  ♌		evening max el	1403 Jan 06 j 18:04	13°  ♌24'42	18°33'56
inferior conj	1402 Feb 07 j 18:15	27°  ♌29'23	3°45'34	asc. node	1403 Jan 07 j 10:38	14°  ♌05'15	
minimum elong	1402 Feb 07 j 18:10	27°  ♌29'35	3°45'34	retrograde	1403 Jan 13 j 08:12	17°  ♌03'10	
min. Earth dist.	1402 Feb 10 j 10:12	24°  ♌38'08	0.62960 AU	evening set	1403 Jan 16 j 10:32	16°  ♌09'28	
morning rise	1402 Feb 13 j 21:11	21°  ♌27'55		inferior conj	1403 Jan 22 j 06:11	10°  ♌35'09	3°37'32
direct	1402 Feb 20 j 20:25	18°  ♌47'08		minimum elong	1403 Jan 22 j 04:35	10°  ♌39'53	3°37'21
desc. node	1402 Feb 28 j 06:12	21°  ♌18'34		min. Earth dist.	1403 Jan 24 j 06:38	8°  ♌11'36	0.64697 AU
morning max el	1402 Mar 06 j 18:34	26°  ♌42'16	27°46'26	morning rise	1403 Jan 27 j 22:10	4°  ♌27'19	
	1402 Mar 09 j 20:57	0°  ♌		direct	1403 Feb 03 j 17:24	1°  ♌35'41	
	1402 Mar 30 j 14:01	0°  ♌		desc. node	1403 Feb 15 j 03:15	7°  ♌28'12	
morning set	1402 Apr 09 j 22:29	19°  ♌23'35		morning max el	1403 Feb 17 j 03:44	9°  ♌24'05	27°16'01
	1402 Apr 15 j 01:21	0°  ♌			1403 Mar 05 j 07:14	0°  ♌	
max. Earth dist.	1402 Apr 15 j 08:24	0°  ♌37'28	1.32819 AU		1403 Mar 22 j 22:51	0°  ♌	
superior conj	1402 Apr 17 j 13:28	5°  ♌22'09	-0°10'18	morning set	1403 Mar 24 j 13:57	3°  ♌08'31	
minimum elong	1402 Apr 17 j 13:58	5°  ♌24'50	0°10'12	max. Earth dist.	1403 Mar 29 j 06:45	12°  ♌33'05	1.33745 AU
behind sun begin	1402 Apr 17 j 09:55	5°  ♌02'59					

superior conj	1403 Apr 01 j 17:42	19° <span>☿</span> 45'08	-0°37'52	superior conj	1404 Mar 15 j 15:12	3° <span>☿</span> 42'56	-1°05'11
minimum elong	1403 Apr 01 j 19:35	19° <span>☿</span> 55'04	0°37'29	minimum elong	1404 Mar 15 j 18:24	3° <span>☿</span> 59'19	1°04'37
asc. node	1403 Apr 05 j 09:55	27° <span>☿</span> 33'47		asc. node	1404 Mar 22 j 06:57	17° <span>☿</span> 30'04	
	1403 Apr 06 j 13:23	0° <span>♈</span>		evening rise	1404 Mar 23 j 08:52	19° <span>☿</span> 43'52	
evening rise	1403 Apr 09 j 00:48	5° <span>♈</span> 13'59			1404 Mar 28 j 12:31	0° <span>♈</span>	
	1403 Apr 22 j 13:54	0° <span>♏</span>		evening max el	1404 Apr 11 j 00:32	19° <span>♈</span> 57'32	20°36'40
evening max el	1403 Apr 29 j 22:08	8° <span>♏</span> 57'40	22°01'09	retrograde	1404 Apr 22 j 03:44	25° <span>♈</span> 21'25	
retrograde	1403 May 12 j 14:42	15° <span>♏</span> 12'08		evening set	1404 Apr 24 j 06:20	25° <span>♈</span> 10'35	
desc. node	1403 May 14 j 02:25	15° <span>♏</span> 07'09		desc. node	1404 Apr 29 j 23:28	23° <span>♈</span> 08'36	
evening set	1403 May 15 j 07:52	14° <span>♏</span> 55'45		inferior conj	1404 May 03 j 11:32	21° <span>♈</span> 12'49	-1°01'00
min. Earth dist.	1403 May 24 j 03:25	11° <span>♏</span> 10'09	0.55063 AU	minimum elong	1404 May 03 j 08:39	21° <span>♈</span> 16'58	0°59'56
inferior conj	1403 May 24 j 17:24	10° <span>♏</span> 50'32	-2°56'07	min. Earth dist.	1404 May 04 j 16:04	20° <span>♈</span> 31'45	0.55047 AU
minimum elong	1403 May 24 j 10:02	11° <span>♏</span> 00'51	2°53'52	morning rise	1404 May 12 j 10:10	17° <span>♈</span> 02'37	
morning rise	1403 Jun 02 j 13:40	6° <span>♏</span> 56'52		direct	1404 May 16 j 00:26	16° <span>♈</span> 34'46	
direct	1403 Jun 05 j 14:08	6° <span>♏</span> 36'33		morning max el	1404 May 29 j 07:16	23° <span>♈</span> 00'15	23°10'49
morning max el	1403 Jun 17 j 11:56	12° <span>♏</span> 11'14	21°32'17		1404 Jun 04 j 12:12	0° <span>♏</span>	
	1403 Jun 30 j 10:25	0° <span>♏</span>		asc. node	1404 Jun 18 j 06:12	23° <span>♏</span> 05'57	
asc. node	1403 Jul 02 j 09:10	3° <span>♏</span> 34'43		morning set	1404 Jun 21 j 09:14	29° <span>♏</span> 31'43	
morning set	1403 Jul 07 j 22:06	14° <span>♏</span> 36'55			1404 Jun 21 j 14:37	0° <span>♏</span>	
superior conj	1403 Jul 15 j 05:57	29° <span>♏</span> 59'24	1°40'39	superior conj	1404 Jun 28 j 11:21	14° <span>♏</span> 41'39	1°29'30
minimum elong	1403 Jul 15 j 04:21	29° <span>♏</span> 51'01	1°40'34	minimum elong	1404 Jun 28 j 09:04	14° <span>♏</span> 29'26	1°29'15
	1403 Jul 15 j 06:04	0° <span>♏</span>		max. Earth dist.	1404 Jul 01 j 01:18	20° <span>♏</span> 10'20	1.33751 AU
max. Earth dist.	1403 Jul 19 j 03:47	8° <span>♏</span> 00'24	1.35046 AU		1404 Jul 05 j 20:19	0° <span>♏</span>	
evening rise	1403 Jul 23 j 13:17	16° <span>♏</span> 38'03		evening rise	1404 Jul 06 j 02:47	0° <span>♏</span> 32'09	
	1403 Jul 30 j 21:37	0° <span>♏</span>			1404 Jul 22 j 21:37	0° <span>♏</span>	
desc. node	1403 Aug 10 j 01:44	16° <span>♏</span> 21'52		desc. node	1404 Jul 26 j 22:46	5° <span>♏</span> 57'17	
	1403 Aug 20 j 00:35	0° <span>♏</span>		evening max el	1404 Aug 09 j 08:02	22° <span>♏</span> 03'54	27°19'11
evening max el	1403 Aug 27 j 20:16	8° <span>♏</span> 41'18	26°45'42	retrograde	1404 Aug 22 j 19:21	29° <span>♏</span> 22'27	
retrograde	1403 Sep 09 j 20:59	15° <span>♏</span> 56'09		evening set	1404 Aug 29 j 21:08	26° <span>♏</span> 38'58	
evening set	1403 Sep 16 j 13:04	13° <span>♏</span> 13'29		min. Earth dist.	1404 Sep 02 j 14:56	23° <span>♏</span> 10'31	0.64484 AU
min. Earth dist.	1403 Sep 20 j 13:13	9° <span>♏</span> 09'08	0.65827 AU	inferior conj	1404 Sep 04 j 22:31	20° <span>♏</span> 40'56	-2°57'10
inferior conj	1403 Sep 22 j 07:59	7° <span>♏</span> 03'03	-2°00'33	minimum elong	1404 Sep 05 j 03:03	20° <span>♏</span> 28'44	2°55'39
minimum elong	1403 Sep 22 j 11:10	6° <span>♏</span> 53'41	1°59'18	morning rise	1404 Sep 11 j 09:54	15° <span>♏</span> 13'51	
morning rise	1403 Sep 28 j 09:50	1° <span>♏</span> 20'51		direct	1404 Sep 14 j 00:52	14° <span>♏</span> 38'20	
asc. node	1403 Sep 28 j 08:23	1° <span>♏</span> 22'47		asc. node	1404 Sep 14 j 05:26	14° <span>♏</span> 38'31	
direct	1403 Oct 01 j 06:59	0° <span>♏</span> 34'40		morning max el	1404 Sep 20 j 12:59	18° <span>♏</span> 05'24	17°59'31
morning max el	1403 Oct 07 j 21:25	4° <span>♏</span> 11'11	18°24'42		1404 Sep 29 j 05:49	0° <span>♏</span>	
	1403 Oct 25 j 12:39	0° <span>♏</span>		morning set	1404 Oct 07 j 23:19	14° <span>♏</span> 34'41	
morning set	1403 Oct 27 j 11:25	3° <span>♏</span> 08'56			1404 Oct 17 j 05:12	0° <span>♏</span>	
desc. node	1403 Nov 06 j 01:04	18° <span>♏</span> 28'40					
superior conj	1403 Nov 11 j 21:19	27° <span>♏</span> 42'38	-0°38'14	superior conj	1404 Oct 21 j 09:00	6° <span>♏</span> 45'22	0°10'22
minimum elong	1403 Nov 11 j 16:21	27° <span>♏</span> 23'06	0°37'35	minimum elong	1404 Oct 21 j 10:13	6° <span>♏</span> 50'17	0°10'12
	1403 Nov 13 j 08:16	0° <span>♏</span>		behind sun begin	1404 Oct 21 j 02:05	6° <span>♏</span> 17'27	
max. Earth dist.	1403 Nov 13 j 07:28	29° <span>♏</span> 56'54	1.45111 AU	behind sun end	1404 Oct 21 j 18:22	7° <span>♏</span> 23'04	
evening rise	1403 Nov 28 j 02:20	23° <span>♏</span> 09'34		desc. node	1404 Oct 22 j 22:05	9° <span>♏</span> 14'17	
	1403 Dec 02 j 10:38	0° <span>♏</span>		max. Earth dist.	1404 Oct 26 j 02:16	14° <span>♏</span> 17'40	1.44639 AU
greatest brilliancy	1403 Dec 08 j 08:35	9° <span>♏</span> 15'11	-0.8m		1404 Nov 05 j 03:25	0° <span>♏</span>	
evening max el	1403 Dec 21 j 03:17	26° <span>♏</span> 52'04	19°13'21	evening rise	1404 Nov 06 j 16:20	2° <span>♏</span> 22'28	
asc. node	1403 Dec 25 j 07:40	0° <span>♏</span> 09'21		greatest brilliancy	1404 Nov 20 j 21:53	23° <span>♏</span> 57'11	-0.6m
	1403 Dec 25 j 00:31	0° <span>♏</span>			1404 Nov 25 j 02:22	0° <span>♏</span>	
retrograde	1403 Dec 28 j 03:57	0° <span>♏</span> 53'25		evening max el	1404 Dec 03 j 07:48	10° <span>♏</span> 20'45	20°08'21
	1403 Dec 31 j 04:34	30° <span>♏</span>		retrograde	1404 Dec 11 j 01:43	14° <span>♏</span> 53'31	
evening set	1403 Dec 31 j 12:48	29° <span>♏</span> 47'14		asc. node	1404 Dec 11 j 04:43	14° <span>♏</span> 53'25	
inferior conj	1404 Jan 06 j 02:44	23° <span>♏</span> 56'34	3°15'43	evening set	1404 Dec 14 j 18:40	13° <span>♏</span> 33'26	
minimum elong	1404 Jan 06 j 00:17	24° <span>♏</span> 04'23	3°15'13	inferior conj	1404 Dec 20 j 05:04	7° <span>♏</span> 29'21	2°43'31
min. Earth dist.	1404 Jan 07 j 12:02	22° <span>♏</span> 10'08	0.66047 AU	minimum elong	1404 Dec 20 j 02:23	7° <span>♏</span> 38'22	2°42'45
morning rise	1404 Jan 11 j 11:31	17° <span>♏</span> 45'05		min. Earth dist.	1404 Dec 21 j 00:46	6° <span>♏</span> 23'07	0.66995 AU
direct	1404 Jan 17 j 20:37	14° <span>♏</span> 56'35		morning rise	1404 Dec 25 j 09:55	1° <span>♏</span> 16'08	
morning max el	1404 Jan 30 j 13:23	22° <span>♏</span> 26'45	26°17'05		1404 Dec 27 j 01:08	30° <span>♏</span>	
desc. node	1404 Feb 02 j 00:17	25° <span>♏</span> 02'37		direct	1404 Dec 31 j 05:22	28° <span>♏</span> 41'09	
	1404 Feb 06 j 05:17	0° <span>♏</span>			1405 Jan 04 j 20:04	0° <span>♏</span>	
	1404 Feb 26 j 13:45	0° <span>♏</span>		morning max el	1405 Jan 11 j 22:09	5° <span>♏</span> 39'41	24°58'45
morning set	1404 Mar 06 j 16:54	16° <span>♏</span> 11'48		desc. node	1405 Jan 18 j 21:20	13° <span>♏</span> 37'10	
max. Earth dist.	1404 Mar 10 j 17:55	23° <span>♏</span> 55'53	1.35123 AU		1405 Jan 30 j 18:01	0° <span>♏</span>	
	1404 Mar 13 j 19:16	0° <span>♏</span>		morning set	1405 Feb 17 j 02:19	28° <span>♏</span> 19'21	
					1405 Feb 18 j 00:48	0° <span>♏</span>	

max. Earth dist.	1405 Feb 20 j 18:14	4° $\text{H}$ 58'36	1.36920 AU	morning set	1406 Jan 29 j 11:53	9° $\approx$ 13'50	
				max. Earth dist.	1406 Feb 02 j 12:56	16° $\approx$ 11'42	1.39012 AU
superior conj	1405 Feb 27 j 02:58	17° $\text{H}$ 07'27	-1°30'22				
minimum elong	1405 Feb 27 j 07:03	17° $\text{H}$ 27'28	1°29'50	superior conj	1406 Feb 10 j 01:08	29° $\approx$ 48'06	-1°50'48
	1405 Mar 05 j 13:34	0° $\text{Y}$		minimum elong	1406 Feb 10 j 04:59	0° $\text{H}$ 06'09	1°50'30
evening rise	1405 Mar 07 j 11:53	3° $\text{Y}$ 53'02			1406 Feb 10 j 03:40	0° $\text{H}$	
asc. node	1405 Mar 09 j 04:01	7° $\text{Y}$ 13'08		evening rise	1406 Feb 19 j 07:05	17° $\text{H}$ 33'23	
	1405 Mar 23 j 01:30	0° $\text{B}$		asc. node	1406 Feb 24 j 01:04	26° $\text{H}$ 36'54	
evening max el	1405 Mar 24 j 14:36	1° $\text{B}$ 36'36	19°29'41		1406 Feb 25 j 21:45	0° $\text{Y}$	
retrograde	1405 Apr 03 j 00:50	6° $\text{B}$ 09'26		evening max el	1406 Mar 07 j 14:53	13° $\text{Y}$ 52'24	18°42'23
evening set	1405 Apr 05 j 02:46	5° $\text{B}$ 57'07		retrograde	1406 Mar 15 j 14:38	17° $\text{Y}$ 45'58	
inferior conj	1405 Apr 13 j 15:57	1° $\text{B}$ 51'31	0°54'21	evening set	1406 Mar 17 j 21:53	17° $\text{Y}$ 27'47	
minimum elong	1405 Apr 13 j 18:11	1° $\text{B}$ 47'55	0°53'34	inferior conj	1406 Mar 25 j 15:38	13° $\text{Y}$ 05'01	2°23'03
min. Earth dist.	1405 Apr 16 j 06:40	0° $\text{B}$ 10'52	0.55966 AU	minimum elong	1406 Mar 25 j 19:45	12° $\text{Y}$ 57'17	2°21'56
desc. node	1405 Apr 16 j 20:31	29° $\text{Y}$ 49'26		min. Earth dist.	1406 Mar 28 j 23:59	10° $\text{Y}$ 35'27	0.57630 AU
	1405 Apr 16 j 13:39	30° $\text{K}$ $\text{Y}$		morning rise	1406 Apr 02 j 14:31	7° $\text{Y}$ 49'45	
morning rise	1405 Apr 22 j 06:52	27° $\text{Y}$ 09'19		desc. node	1406 Apr 03 j 17:34	7° $\text{Y}$ 21'48	
direct	1405 Apr 26 j 19:51	26° $\text{Y}$ 22'40		direct	1406 Apr 08 j 05:31	6° $\text{Y}$ 31'23	
	1405 May 06 j 17:23	0° $\text{B}$		morning max el	1406 Apr 22 j 14:08	14° $\text{Y}$ 04'59	26°20'28
morning max el	1405 May 10 j 22:09	3° $\text{B}$ 29'51	24°51'54		1406 May 05 j 05:50	0° $\text{B}$	
	1405 May 29 j 14:25	0° $\text{II}$		morning set	1406 May 21 j 08:11	29° $\text{B}$ 22'56	
asc. node	1405 Jun 05 j 03:15	12° $\text{II}$ 55'18			1406 May 21 j 15:13	0° $\text{II}$	
morning set	1405 Jun 05 j 21:10	14° $\text{II}$ 29'22		asc. node	1406 May 23 j 00:19	2° $\text{II}$ 56'05	
superior conj	1405 Jun 12 j 20:49	29° $\text{II}$ 35'51	1°13'35	superior conj	1406 May 28 j 08:16	14° $\text{II}$ 33'47	0°53'43
minimum elong	1405 Jun 12 j 18:24	29° $\text{II}$ 22'40	1°13'12	minimum elong	1406 May 28 j 06:11	14° $\text{II}$ 22'22	0°53'19
	1405 Jun 13 j 01:15	0° $\text{B}$		max. Earth dist.	1406 May 28 j 17:43	15° $\text{II}$ 25'46	1.32353 AU
max. Earth dist.	1405 Jun 14 j 06:56	2° $\text{B}$ 41'07	1.32858 AU	evening rise	1406 Jun 04 j 07:17	29° $\text{II}$ 34'58	
evening rise	1405 Jun 20 j 01:49	14° $\text{B}$ 54'41			1406 Jun 04 j 12:05	0° $\text{B}$	
	1405 Jun 27 j 21:20	0° $\text{Q}$			1406 Jun 21 j 01:50	0° $\text{Q}$	
desc. node	1405 Jul 13 j 19:49	24° $\text{Q}$ 53'17		desc. node	1406 Jun 30 j 16:51	12° $\text{Q}$ 52'36	
	1405 Jul 17 j 23:31	0° $\text{M}$		evening max el	1406 Jul 04 j 22:16	17° $\text{Q}$ 18'41	26°55'41
evening max el	1405 Jul 22 j 17:30	5° $\text{M}$ 00'30	27°23'45	retrograde	1406 Jul 18 j 20:46	24° $\text{Q}$ 33'14	
retrograde	1405 Aug 05 j 11:41	12° $\text{M}$ 18'09		evening set	1406 Jul 25 j 19:28	22° $\text{Q}$ 25'54	
evening set	1405 Aug 12 j 16:44	9° $\text{M}$ 45'48		min. Earth dist.	1406 Jul 29 j 12:25	19° $\text{Q}$ 46'05	0.60836 AU
min. Earth dist.	1405 Aug 16 j 06:48	6° $\text{M}$ 47'33	0.62797 AU	inferior conj	1406 Aug 01 j 17:47	17° $\text{Q}$ 02'02	-4°30'59
inferior conj	1405 Aug 19 j 02:54	4° $\text{M}$ 03'27	-3°49'12	minimum elong	1406 Aug 01 j 22:09	16° $\text{Q}$ 52'42	4°30'17
minimum elong	1405 Aug 19 j 08:05	3° $\text{M}$ 50'55	3°47'51	morning rise	1406 Aug 09 j 02:39	12° $\text{Q}$ 14'14	
	1405 Aug 23 j 21:56	30° $\text{R}$ $\text{Q}$		direct	1406 Aug 11 j 13:01	11° $\text{Q}$ 50'53	
morning rise	1405 Aug 26 j 00:48	28° $\text{Q}$ 54'39		asc. node	1406 Aug 18 j 23:31	15° $\text{Q}$ 37'54	
direct	1405 Aug 28 j 12:08	28° $\text{Q}$ 26'33		morning max el	1406 Aug 18 j 18:06	15° $\text{Q}$ 24'35	18°03'31
asc. node	1405 Sep 01 j 02:28	29° $\text{Q}$ 27'26			1406 Aug 28 j 20:59	0° $\text{M}$	
	1405 Sep 01 j 23:20	0° $\text{M}$		morning set	1406 Sep 03 j 14:35	10° $\text{M}$ 28'15	
morning max el	1405 Sep 04 j 04:55	1° $\text{M}$ 52'37	17°52'06				
morning set	1405 Sep 20 j 10:25	27° $\text{M}$ 07'01		superior conj	1406 Sep 13 j 13:13	28° $\text{M}$ 39'31	1°21'13
	1405 Sep 22 j 01:26	0° $\text{A}$		minimum elong	1406 Sep 13 j 17:32	28° $\text{M}$ 58'37	1°20'45
					1406 Sep 14 j 07:25	0° $\text{A}$	
superior conj	1405 Oct 01 j 21:46	17° $\text{A}$ 03'16	0°51'45	max. Earth dist.	1406 Sep 21 j 03:53	11° $\text{A}$ 46'13	1.41822 AU
minimum elong	1405 Oct 02 j 02:13	17° $\text{A}$ 21'58	0°51'10	evening rise	1406 Sep 26 j 19:57	21° $\text{A}$ 02'35	
max. Earth dist.	1405 Oct 08 j 17:38	28° $\text{A}$ 18'56	1.43493 AU	desc. node	1406 Sep 26 j 16:09	20° $\text{A}$ 47'23	
desc. node	1405 Oct 09 j 19:07	0° $\text{M}$ 01'40			1406 Oct 02 j 12:51	0° $\text{M}$	
	1405 Oct 09 j 18:43	0° $\text{M}$			1406 Oct 23 j 14:35	0° $\text{A}$	
evening rise	1405 Oct 17 j 00:27	11° $\text{M}$ 25'29		evening max el	1406 Oct 30 j 00:24	7° $\text{A}$ 22'11	22°32'56
	1405 Oct 29 j 07:20	0° $\text{A}$		retrograde	1406 Nov 08 j 18:47	13° $\text{A}$ 10'26	
evening max el	1405 Nov 16 j 06:45	23° $\text{A}$ 50'26	21°16'12	evening set	1406 Nov 13 j 09:41	11° $\text{A}$ 18'09	
retrograde	1405 Nov 24 j 23:15	29° $\text{A}$ 00'07		asc. node	1406 Nov 14 j 22:47	9° $\text{A}$ 49'47	
asc. node	1405 Nov 28 j 01:45	28° $\text{A}$ 06'25		inferior conj	1406 Nov 18 j 18:11	4° $\text{A}$ 57'37	1°16'44
evening set	1405 Nov 29 j 02:12	27° $\text{A}$ 24'39		minimum elong	1406 Nov 18 j 16:30	5° $\text{A}$ 03'26	1°16'04
inferior conj	1405 Dec 04 j 10:52	21° $\text{A}$ 10'30	2°03'17	min. Earth dist.	1406 Nov 18 j 14:53	5° $\text{A}$ 09'01	0.67783 AU
minimum elong	1405 Dec 04 j 08:29	21° $\text{A}$ 18'45	2°02'27		1406 Nov 22 j 16:09	30° $\text{R}$ $\text{M}$	
min. Earth dist.	1405 Dec 04 j 18:32	20° $\text{A}$ 44'02	0.67566 AU	morning rise	1406 Nov 23 j 23:11	28° $\text{M}$ 46'52	
morning rise	1405 Dec 09 j 14:35	14° $\text{A}$ 57'26		direct	1406 Nov 28 j 12:49	26° $\text{M}$ 54'20	
direct	1405 Dec 14 j 19:06	12° $\text{A}$ 42'20			1406 Dec 05 j 05:35	0° $\text{A}$	
morning max el	1405 Dec 25 j 06:54	18° $\text{A}$ 57'19	23°31'10	morning max el	1406 Dec 07 j 18:49	2° $\text{A}$ 21'15	22°04'08
	1406 Jan 03 j 14:16	0° $\text{B}$		desc. node	1406 Dec 23 j 15:25	22° $\text{A}$ 42'48	
desc. node	1406 Jan 05 j 18:23	2° $\text{B}$ 54'33			1406 Dec 28 j 14:34	0° $\text{B}$	
	1406 Jan 23 j 21:47	0° $\approx$		morning set	1407 Jan 09 j 16:36	18° $\text{B}$ 44'37	

max. Earth dist.	1407 Jan 15 j 10:28	28° $\text{Z}$ 10'42	1.41144 AU	morning set	1407 Dec 19 j 19:49	27° $\text{Z}$ 06'21	
	1407 Jan 16 j 12:27	0° $\approx$			1407 Dec 21 j 16:16	0° $\text{Z}$	
				max. Earth dist.	1407 Dec 28 j 15:44	11° $\text{Z}$ 07'19	1.43011 AU
superior conj	1407 Jan 23 j 04:52	11° $\approx$ 33'56	-2°02'45	superior conj	1408 Jan 04 j 08:47	22° $\text{Z}$ 11'40	-2°01'32
minimum elong	1407 Jan 23 j 06:33	11° $\approx$ 41'22	2°02'43	minimum elong	1408 Jan 04 j 05:52	21° $\text{Z}$ 59'26	2°01'26
	1407 Feb 02 j 07:04	0° $\text{H}$			1408 Jan 08 j 22:48	0° $\approx$	
evening rise	1407 Feb 02 j 15:12	0° $\text{H}$ 37'50		evening rise	1408 Jan 16 j 08:10	12° $\approx$ 57'26	
asc. node	1407 Feb 10 j 22:07	15° $\text{H}$ 35'17			1408 Jan 26 j 04:38	0° $\text{H}$	
evening max el	1407 Feb 18 j 22:24	26° $\text{H}$ 37'53	18°15'05	asc. node	1408 Jan 28 j 19:09	3° $\text{H}$ 59'45	
	1407 Feb 24 j 12:53	0° $\text{Y}$		evening max el	1408 Feb 02 j 09:52	9° $\text{H}$ 43'31	18°07'28
retrograde	1407 Feb 25 j 23:08	0° $\text{Y}$ 08'44		retrograde	1408 Feb 08 j 23:08	13° $\text{H}$ 07'28	
	1407 Feb 27 j 09:49	30° $\text{R}$ $\text{H}$		evening set	1408 Feb 11 j 17:15	12° $\text{H}$ 31'00	
evening set	1407 Feb 28 j 12:13	29° $\text{H}$ 42'03		inferior conj	1408 Feb 18 j 03:34	7° $\text{H}$ 26'12	3°42'03
inferior conj	1407 Mar 07 j 12:25	24° $\text{H}$ 58'19	3°17'26	minimum elong	1408 Feb 18 j 04:38	7° $\text{H}$ 23'32	3°41'59
minimum elong	1407 Mar 07 j 15:31	24° $\text{H}$ 51'31	3°16'55	min. Earth dist.	1408 Feb 21 j 03:26	4° $\text{H}$ 26'44	0.61826 AU
min. Earth dist.	1407 Mar 10 j 21:57	22° $\text{H}$ 01'18	0.59703 AU	morning rise	1408 Feb 24 j 14:39	1° $\text{H}$ 30'36	
morning rise	1407 Mar 14 j 16:32	19° $\text{H}$ 18'25			1408 Feb 27 j 05:15	30° $\text{R}$ $\approx$	
direct	1407 Mar 21 j 03:56	17° $\text{H}$ 22'55		direct	1408 Mar 02 j 12:20	29° $\approx$ 03'13	
desc. node	1407 Mar 21 j 14:36	17° $\text{H}$ 23'27		desc. node	1408 Mar 07 j 11:38	0° $\text{H}$ 11'25	
morning max el	1407 Apr 04 j 11:22	25° $\text{H}$ 10'06	27°22'11		1408 Mar 07 j 00:48	0° $\text{H}$	
	1407 Apr 08 j 22:19	0° $\text{Y}$		morning max el	1408 Mar 16 j 14:57	6° $\text{H}$ 56'51	27°48'24
	1407 Apr 28 j 12:58	0° $\text{B}$			1408 Apr 03 j 03:09	0° $\text{Y}$	
morning set	1407 May 05 j 16:36	14° $\text{B}$ 06'47		morning set	1408 Apr 18 j 20:28	28° $\text{Y}$ 34'35	
asc. node	1407 May 09 j 21:23	23° $\text{B}$ 03'35			1408 Apr 19 j 13:08	0° $\text{B}$	
superior conj	1407 May 12 j 19:56	29° $\text{B}$ 29'33	0°30'41	max. Earth dist.	1408 Apr 24 j 16:17	10° $\text{B}$ 51'41	1.32487 AU
minimum elong	1407 May 12 j 18:36	29° $\text{B}$ 22'15	0°30'23	asc. node	1408 Apr 25 j 18:26	13° $\text{B}$ 13'32	
max. Earth dist.	1407 May 12 j 06:06	28° $\text{B}$ 13'30	1.32229 AU				
	1407 May 13 j 01:28	0° $\text{II}$		superior conj	1408 Apr 26 j 06:10	14° $\text{B}$ 17'24	0°05'11
evening rise	1407 May 19 j 16:47	14° $\text{II}$ 25'05		minimum elong	1408 Apr 26 j 05:56	14° $\text{B}$ 16'04	0°05'08
	1407 May 27 j 12:54	0° $\text{E}$		behind sun begin	1408 Apr 26 j 01:03	13° $\text{B}$ 49'31	
evening max el	1407 Jun 16 j 20:17	28° $\text{E}$ 50'52	25°55'34	behind sun end	1408 Apr 26 j 10:48	14° $\text{B}$ 42'39	
desc. node	1407 Jun 17 j 13:51	29° $\text{E}$ 31'55		evening rise	1408 May 03 j 04:19	29° $\text{B}$ 18'07	
	1407 Jun 18 j 02:21	0° $\text{O}$			1408 May 03 j 12:14	0° $\text{II}$	
retrograde	1407 Jun 30 j 20:44	6° $\text{O}$ 01'13			1408 May 20 j 07:43	0° $\text{E}$	
evening set	1407 Jul 07 j 00:38	4° $\text{O}$ 30'02		evening max el	1408 May 28 j 11:54	9° $\text{E}$ 41'09	24°30'49
min. Earth dist.	1407 Jul 11 j 08:48	1° $\text{O}$ 51'54	0.58773 AU	desc. node	1408 Jun 03 j 10:52	14° $\text{E}$ 19'52	
	1407 Jul 13 j 21:52	30° $\text{R}$ $\text{E}$		retrograde	1408 Jun 11 j 09:37	16° $\text{E}$ 42'55	
inferior conj	1407 Jul 14 j 15:35	29° $\text{E}$ 27'02	-4°53'24	evening set	1408 Jun 16 j 06:22	15° $\text{E}$ 49'47	
minimum elong	1407 Jul 14 j 16:51	29° $\text{E}$ 24'41	4°53'22	min. Earth dist.	1408 Jun 21 j 22:58	12° $\text{E}$ 56'01	0.56876 AU
morning rise	1407 Jul 22 j 11:19	25° $\text{E}$ 01'53		inferior conj	1408 Jun 24 j 17:29	11° $\text{E}$ 09'39	-4°43'34
direct	1407 Jul 24 j 23:18	24° $\text{E}$ 41'15		minimum elong	1408 Jun 24 j 13:41	11° $\text{E}$ 15'47	4°43'11
morning max el	1407 Aug 02 j 01:23	28° $\text{E}$ 32'37	18°35'06	morning rise	1408 Jul 02 j 23:44	7° $\text{E}$ 05'23	
	1407 Aug 03 j 11:25	0° $\text{O}$		direct	1408 Jul 05 j 14:59	6° $\text{E}$ 46'20	
asc. node	1407 Aug 05 j 20:35	2° $\text{O}$ 54'53		morning max el	1408 Jul 14 j 23:51	11° $\text{E}$ 07'46	19°27'54
morning set	1407 Aug 18 j 06:51	24° $\text{O}$ 24'56		asc. node	1408 Jul 22 j 17:38	21° $\text{E}$ 03'59	
	1407 Aug 21 j 04:00	0° $\text{M}$			1408 Jul 27 j 19:39	0° $\text{O}$	
				morning set	1408 Aug 01 j 07:36	8° $\text{O}$ 47'19	
superior conj	1407 Aug 27 j 02:47	11° $\text{M}$ 21'20	1°38'38				
minimum elong	1407 Aug 27 j 05:22	11° $\text{M}$ 33'23	1°38'28	superior conj	1408 Aug 09 j 08:57	24° $\text{O}$ 53'37	1°45'44
max. Earth dist.	1407 Sep 03 j 09:29	24° $\text{M}$ 32'02	1.39845 AU	minimum elong	1408 Aug 09 j 09:35	24° $\text{O}$ 56'39	1°45'44
	1407 Sep 06 j 13:39	0° $\text{L}$			1408 Aug 12 j 00:09	0° $\text{M}$	
evening rise	1407 Sep 07 j 13:48	1° $\text{L}$ 41'58		max. Earth dist.	1408 Aug 15 j 13:23	6° $\text{M}$ 40'52	1.37809 AU
desc. node	1407 Sep 13 j 13:09	11° $\text{L}$ 27'32		evening rise	1408 Aug 19 j 07:47	13° $\text{M}$ 29'32	
	1407 Sep 25 j 20:52	0° $\text{M}$			1408 Aug 29 j 04:08	0° $\text{L}$	
evening max el	1407 Oct 12 j 14:11	20° $\text{M}$ 56'48	23°53'00	desc. node	1408 Aug 30 j 10:10	1° $\text{L}$ 58'15	
retrograde	1407 Oct 23 j 11:00	27° $\text{M}$ 20'30			1408 Sep 19 j 19:10	0° $\text{M}$	
evening set	1407 Oct 28 j 15:29	25° $\text{M}$ 10'50		evening max el	1408 Sep 24 j 02:09	4° $\text{M}$ 34'56	25°09'40
asc. node	1407 Nov 01 j 19:49	20° $\text{M}$ 26'56		retrograde	1408 Oct 05 j 23:03	11° $\text{M}$ 26'56	
min. Earth dist.	1407 Nov 02 j 11:21	19° $\text{M}$ 34'41	0.67668 AU	evening set	1408 Oct 11 j 17:58	9° $\text{M}$ 00'58	
inferior conj	1407 Nov 03 j 01:10	18° $\text{M}$ 47'45	0°25'12	min. Earth dist.	1408 Oct 16 j 05:35	3° $\text{M}$ 59'27	0.67224 AU
minimum elong	1407 Nov 03 j 00:34	18° $\text{M}$ 49'47	0°24'57	inferior conj	1408 Oct 17 j 06:08	2° $\text{M}$ 39'18	-0°29'56
morning rise	1407 Nov 08 j 09:37	12° $\text{M}$ 41'39		minimum elong	1408 Oct 17 j 06:53	2° $\text{M}$ 36'50	0°29'37
direct	1407 Nov 12 j 09:27	11° $\text{M}$ 11'27		asc. node	1408 Oct 18 j 16:50	0° $\text{M}$ 47'52	
morning max el	1407 Nov 20 j 13:15	15° $\text{M}$ 54'47	20°44'57		1408 Oct 19 j 08:32	30° $\text{R}$ $\text{L}$	
	1407 Dec 01 j 17:11	0° $\text{Z}$		morning rise	1408 Oct 22 j 19:59	26° $\text{L}$ 40'21	
desc. node	1407 Dec 10 j 12:25	12° $\text{Z}$ 52'39		direct	1408 Oct 26 j 07:41	25° $\text{L}$ 30'10	

morning max el	1408 Nov 02 j 15:38	29° $\Omega$ 39'37	19°38'20			1409 Oct 29 j 02:07	0° $\mathbb{M}$	
	1408 Nov 02 j 23:37	0° $\mathbb{M}$		morning set		1409 Nov 07 j 07:55	14° $\mathbb{M}$ 32'18	
greatest brilliancy	1408 Nov 16 j 00:36	17° $\mathbb{M}$ 29'24	-0.7m	desc. node		1409 Nov 13 j 06:29	23° $\mathbb{M}$ 54'44	
	1408 Nov 24 j 05:59	0° $\mathbb{X}$				1409 Nov 17 j 03:23	0° $\mathbb{X}$	
desc. node	1408 Nov 26 j 09:26	3° $\mathbb{X}$ 18'14		max. Earth dist.		1409 Nov 22 j 21:18	9° $\mathbb{X}$ 01'31	1.45046 AU
morning set	1408 Nov 27 j 16:50	5° $\mathbb{X}$ 19'30						
max. Earth dist.	1408 Dec 10 j 04:16	24° $\mathbb{X}$ 50'26	1.44364 AU	superior conj		1409 Nov 23 j 15:04	10° $\mathbb{X}$ 11'20	-1°05'22
	1408 Dec 13 j 09:56	0° $\mathbb{Z}$		minimum elong		1409 Nov 23 j 07:14	9° $\mathbb{X}$ 40'31	1°04'27
						1409 Dec 06 j 03:08	0° $\mathbb{Z}$	
superior conj	1408 Dec 14 j 10:06	1° $\mathbb{Z}$ 37'01	-1°42'36	evening rise		1409 Dec 09 j 04:20	4° $\mathbb{Z}$ 53'46	
minimum elong	1408 Dec 14 j 02:18	1° $\mathbb{Z}$ 05'39	1°41'57			1409 Dec 25 j 04:34	0° $\approx$	
evening rise	1408 Dec 28 j 05:42	24° $\mathbb{Z}$ 24'26		evening max el		1409 Dec 30 j 09:25	6° $\approx$ 27'32	18°48'38
	1408 Dec 31 j 13:12	0° $\approx$		asc. node		1410 Jan 01 j 13:11	8° $\approx$ 23'59	
asc. node	1409 Jan 14 j 16:10	21° $\approx$ 40'09		retrograde		1410 Jan 06 j 03:22	10° $\approx$ 14'59	
evening max el	1409 Jan 15 j 22:23	23° $\approx$ 01'53	18°18'58	evening set		1410 Jan 09 j 08:11	9° $\approx$ 16'19	
retrograde	1409 Jan 22 j 09:55	26° $\approx$ 32'05		inferior conj		1410 Jan 15 j 01:07	3° $\approx$ 34'45	3°29'44
evening set	1409 Jan 25 j 08:59	25° $\approx$ 45'02		minimum elong		1410 Jan 14 j 23:04	3° $\approx$ 41'01	3°29'25
inferior conj	1409 Jan 31 j 09:05	20° $\approx$ 20'47	3°44'07	min. Earth dist.		1410 Jan 16 j 19:02	1° $\approx$ 25'59	0.65318 AU
minimum elong	1409 Jan 31 j 08:17	20° $\approx$ 23'02	3°44'04			1410 Jan 18 j 00:18	30° $\mathbb{R}$ $\mathbb{Z}$	
min. Earth dist.	1409 Feb 02 j 18:25	17° $\approx$ 39'50	0.63743 AU	morning rise		1410 Jan 20 j 13:35	27° $\mathbb{Z}$ 34'49	
morning rise	1409 Feb 06 j 06:51	14° $\approx$ 15'56		direct		1410 Jan 27 j 05:00	24° $\mathbb{Z}$ 32'48	
direct	1409 Feb 13 j 05:06	11° $\approx$ 29'00				1410 Feb 06 j 23:37	0° $\approx$	
desc. node	1409 Feb 22 j 08:39	15° $\approx$ 18'07		desc. node		1410 Feb 09 j 05:41	2° $\approx$ 07'52	
morning max el	1409 Feb 26 j 23:08	19° $\approx$ 22'39	27°37'31	morning max el		1410 Feb 09 j 08:57	2° $\approx$ 16'01	26°53'53
	1409 Mar 08 j 00:29	0° $\mathbb{X}$				1410 Mar 02 j 05:11	0° $\mathbb{X}$	
	1409 Mar 27 j 01:47	0° $\mathbb{Y}$		morning set		1410 Mar 17 j 04:04	26° $\mathbb{X}$ 07'52	
morning set	1409 Apr 02 j 17:20	12° $\mathbb{Y}$ 38'11				1410 Mar 19 j 03:58	0° $\mathbb{Y}$	
max. Earth dist.	1409 Apr 07 j 20:08	23° $\mathbb{Y}$ 06'20	1.33157 AU	max. Earth dist.		1410 Mar 21 j 13:55	4° $\mathbb{Y}$ 47'55	1.34271 AU
superior conj	1409 Apr 10 j 13:10	28° $\mathbb{Y}$ 51'17	-0°21'57	superior conj		1410 Mar 25 j 14:52	13° $\mathbb{Y}$ 04'59	-0°49'36
minimum elong	1409 Apr 10 j 14:14	28° $\mathbb{Y}$ 57'03	0°21'43	minimum elong		1410 Mar 25 j 17:20	13° $\mathbb{Y}$ 17'51	0°49'06
	1409 Apr 11 j 01:59	0° $\mathbb{X}$		asc. node		1410 Mar 30 j 12:31	23° $\mathbb{Y}$ 23'50	
asc. node	1409 Apr 12 j 15:28	3° $\mathbb{X}$ 21'35		evening rise		1410 Apr 02 j 01:59	28° $\mathbb{Y}$ 46'19	
evening rise	1409 Apr 17 j 16:00	14° $\mathbb{X}$ 07'12				1410 Apr 02 j 16:11	0° $\mathbb{X}$	
	1409 Apr 25 j 16:44	0° $\mathbb{I}$				1410 Apr 21 j 00:59	0° $\mathbb{I}$	
evening max el	1409 May 10 j 02:04	20° $\mathbb{I}$ 11'14	22°55'09	evening max el		1410 Apr 21 j 22:31	0° $\mathbb{I}$ 53'59	21°23'26
desc. node	1409 May 21 j 07:54	26° $\mathbb{I}$ 39'39		retrograde		1410 May 04 j 00:53	6° $\mathbb{I}$ 48'21	
retrograde	1409 May 23 j 10:13	26° $\mathbb{I}$ 49'41		evening set		1410 May 06 j 09:23	6° $\mathbb{I}$ 35'40	
evening set	1409 May 26 j 19:31	26° $\mathbb{I}$ 24'29		desc. node		1410 May 08 j 04:55	6° $\mathbb{I}$ 09'39	
min. Earth dist.	1409 Jun 03 j 10:55	23° $\mathbb{I}$ 01'17	0.55490 AU	inferior conj		1410 May 15 j 19:00	2° $\mathbb{I}$ 35'40	-2°09'38
inferior conj	1409 Jun 05 j 00:06	22° $\mathbb{I}$ 07'37	-3°48'50	minimum elong		1410 May 15 j 13:04	2° $\mathbb{I}$ 43'59	2°07'37
minimum elong	1409 Jun 04 j 16:31	22° $\mathbb{I}$ 18'35	3°47'01	min. Earth dist.		1410 May 15 j 23:23	2° $\mathbb{I}$ 29'30	0.54931 AU
morning rise	1409 Jun 13 j 16:01	18° $\mathbb{I}$ 14'56				1410 May 20 j 17:39	30° $\mathbb{R}$ $\mathbb{X}$	
direct	1409 Jun 16 j 11:47	17° $\mathbb{I}$ 56'12		morning rise		1410 May 24 j 17:14	28° $\mathbb{X}$ 37'00	
morning max el	1409 Jun 27 j 11:21	23° $\mathbb{I}$ 01'26	20°41'39	direct		1410 May 27 j 22:14	28° $\mathbb{X}$ 14'36	
	1409 Jul 03 j 11:09	0° $\mathbb{O}$				1410 Jun 03 j 17:12	0° $\mathbb{I}$	
asc. node	1409 Jul 09 j 14:41	9° $\mathbb{O}$ 52'15		morning max el		1410 Jun 09 j 11:52	4° $\mathbb{I}$ 12'05	22°13'04
morning set	1409 Jul 16 j 14:00	23° $\mathbb{O}$ 26'43		asc. node		1410 Jun 26 j 11:45	29° $\mathbb{I}$ 10'15	
	1409 Jul 19 j 18:03	0° $\mathbb{Q}$				1410 Jun 26 j 21:57	0° $\mathbb{O}$	
				morning set		1410 Jun 30 j 23:55	8° $\mathbb{O}$ 17'16	
superior conj	1409 Jul 24 j 02:53	9° $\mathbb{Q}$ 01'17	1°44'30					
minimum elong	1409 Jul 24 j 01:56	8° $\mathbb{Q}$ 56'24	1°44'29	superior conj		1410 Jul 08 j 04:56	23° $\mathbb{O}$ 33'27	1°36'35
max. Earth dist.	1409 Jul 28 j 20:43	18° $\mathbb{Q}$ 30'36	1.35955 AU	minimum elong		1410 Jul 08 j 02:58	23° $\mathbb{O}$ 23'05	1°36'25
evening rise	1409 Aug 01 j 22:18	26° $\mathbb{Q}$ 15'59				1410 Jul 11 j 07:04	0° $\mathbb{Q}$	
	1409 Aug 03 j 23:05	0° $\mathbb{P}$		max. Earth dist.		1410 Jul 11 j 12:27	0° $\mathbb{Q}$ 27'44	1.34442 AU
desc. node	1409 Aug 17 j 07:12	22° $\mathbb{P}$ 13'24		evening rise		1410 Jul 16 j 04:42	9° $\mathbb{Q}$ 49'05	
	1409 Aug 22 j 14:23	0° $\mathbb{U}$				1410 Jul 27 j 10:01	0° $\mathbb{P}$	
evening max el	1409 Sep 06 j 13:56	18° $\mathbb{U}$ 13'11	26°15'37	desc. node		1410 Aug 04 j 04:14	12° $\mathbb{P}$ 05'50	
retrograde	1409 Sep 19 j 06:21	25° $\mathbb{U}$ 23'29				1410 Aug 18 j 07:57	0° $\mathbb{U}$	
evening set	1409 Sep 25 j 15:12	22° $\mathbb{U}$ 44'57		evening max el		1410 Aug 20 j 02:05	1° $\mathbb{U}$ 44'56	27°03'10
min. Earth dist.	1409 Sep 29 j 19:17	18° $\mathbb{U}$ 19'33	0.66434 AU	retrograde		1410 Sep 02 j 08:17	9° $\mathbb{U}$ 02'53	
inferior conj	1409 Oct 01 j 07:12	16° $\mathbb{U}$ 28'58	-1°27'15	evening set		1410 Sep 09 j 04:53	6° $\mathbb{U}$ 18'41	
minimum elong	1409 Oct 01 j 09:29	16° $\mathbb{U}$ 21'56	1°26'19	min. Earth dist.		1410 Sep 13 j 02:08	2° $\mathbb{U}$ 29'44	0.65292 AU
asc. node	1409 Oct 05 j 13:52	11° $\mathbb{U}$ 48'45		inferior conj		1410 Sep 15 j 02:17	0° $\mathbb{U}$ 12'45	-2°24'54
morning rise	1409 Oct 07 j 04:13	10° $\mathbb{U}$ 39'51		minimum elong		1410 Sep 15 j 06:05	0° $\mathbb{U}$ 01'56	2°23'29
direct	1409 Oct 10 j 05:55	9° $\mathbb{U}$ 46'09				1410 Sep 15 j 06:45	30° $\mathbb{R}$ $\mathbb{P}$	
morning max el	1409 Oct 17 j 00:56	13° $\mathbb{U}$ 32'13	18°46'53	morning rise		1410 Sep 21 j 08:01	24° $\mathbb{P}$ 36'28	

asc. node	1410 Sep 22 j 10:55	24° $\mathbb{M}$ 09'55		minimum elong	1411 Aug 29 j 17:50	13° $\mathbb{M}$ 32'40	3°18'37
direct	1410 Sep 24 j 02:08	23° $\mathbb{M}$ 55'22		morning rise	1411 Sep 05 j 04:37	8° $\mathbb{M}$ 25'21	
morning max el	1410 Sep 30 j 14:56	27° $\mathbb{M}$ 27'15	18°11'50	direct	1411 Sep 07 j 17:45	7° $\mathbb{M}$ 53'17	
	1410 Oct 02 j 21:22	0° $\mathbb{L}$		asc. node	1411 Sep 09 j 08:00	8° $\mathbb{M}$ 06'03	
morning set	1410 Oct 19 j 03:52	25° $\mathbb{L}$ 11'35		morning max el	1411 Sep 14 j 06:57	11° $\mathbb{M}$ 19'06	17°54'08
	1410 Oct 22 j 02:09	0° $\mathbb{M}$			1411 Sep 26 j 22:58	0° $\mathbb{L}$	
desc. node	1410 Oct 31 j 03:31	14° $\mathbb{M}$ 38'02		morning set	1411 Oct 01 j 02:30	7° $\mathbb{L}$ 08'38	
superior conj	1410 Nov 02 j 18:07	18° $\mathbb{M}$ 46'49	-0°17'21	superior conj	1411 Oct 13 j 15:31	28° $\mathbb{L}$ 19'04	0°29'13
minimum elong	1410 Nov 02 j 15:53	18° $\mathbb{M}$ 38'00	0°17'02	minimum elong	1411 Oct 13 j 18:35	28° $\mathbb{L}$ 31'39	0°28'47
max. Earth dist.	1410 Nov 05 j 16:09	23° $\mathbb{M}$ 23'19	1.44996 AU		1411 Oct 14 j 16:12	0° $\mathbb{M}$	
	1410 Nov 09 j 21:16	0° $\mathbb{X}$		desc. node	1411 Oct 18 j 00:34	5° $\mathbb{M}$ 25'04	
evening rise	1410 Nov 19 j 04:16	14° $\mathbb{X}$ 28'56		max. Earth dist.	1411 Oct 19 j 10:02	7° $\mathbb{M}$ 39'01	1.44227 AU
	1410 Nov 29 j 04:55	0° $\mathbb{Z}$		evening rise	1411 Oct 29 j 13:46	23° $\mathbb{M}$ 33'13	
greatest brilliancy	1410 Dec 01 j 12:14	3° $\mathbb{Z}$ 30'27	-0.7m		1411 Nov 02 j 18:49	0° $\mathbb{X}$	
evening max el	1410 Dec 13 j 16:53	19° $\mathbb{Z}$ 56'20	19°35'01		1411 Nov 23 j 17:50	0° $\mathbb{Z}$	
asc. node	1410 Dec 19 j 10:13	23° $\mathbb{Z}$ 56'13		evening max el	1411 Nov 26 j 19:15	3° $\mathbb{Z}$ 26'34	20°35'51
retrograde	1410 Dec 21 j 00:12	24° $\mathbb{Z}$ 10'04		retrograde	1411 Dec 04 j 22:01	8° $\mathbb{Z}$ 14'00	
evening set	1410 Dec 24 j 12:14	22° $\mathbb{Z}$ 58'20		asc. node	1411 Dec 06 j 07:15	8° $\mathbb{Z}$ 03'13	
inferior conj	1410 Dec 30 j 00:27	17° $\mathbb{Z}$ 01'53	3°03'08	evening set	1411 Dec 08 j 19:04	6° $\mathbb{Z}$ 47'30	
minimum elong	1410 Dec 29 j 21:50	17° $\mathbb{Z}$ 10'26	3°02'31	inferior conj	1411 Dec 14 j 04:32	0° $\mathbb{Z}$ 38'55	2°27'19
min. Earth dist.	1410 Dec 31 j 03:52	15° $\mathbb{Z}$ 32'06	0.66502 AU	minimum elong	1411 Dec 14 j 01:55	0° $\mathbb{Z}$ 47'49	2°26'30
morning rise	1411 Jan 04 j 07:12	10° $\mathbb{Z}$ 49'23			1411 Dec 14 j 15:58	30° $\mathbb{R}$ $\mathbb{X}$	
direct	1411 Jan 10 j 10:54	8° $\mathbb{Z}$ 05'16		min. Earth dist.	1411 Dec 14 j 18:57	29° $\mathbb{X}$ 49'49	0.67291 AU
morning max el	1411 Jan 22 j 18:05	15° $\mathbb{Z}$ 23'51	25°45'24	morning rise	1411 Dec 19 j 08:37	24° $\mathbb{X}$ 25'46	
desc. node	1411 Jan 27 j 02:44	20° $\mathbb{Z}$ 10'36		direct	1411 Dec 24 j 21:55	21° $\mathbb{X}$ 58'36	
	1411 Feb 03 j 18:54	0° $\mathbb{X}$		morning max el	1412 Jan 05 j 02:27	28° $\mathbb{X}$ 38'54	24°21'59
	1411 Feb 23 j 01:32	0° $\mathbb{H}$			1412 Jan 06 j 09:40	0° $\mathbb{Z}$	
morning set	1411 Feb 28 j 00:15	8° $\mathbb{H}$ 49'34		desc. node	1412 Jan 13 j 23:47	9° $\mathbb{Z}$ 05'26	
max. Earth dist.	1411 Mar 03 j 19:44	15° $\mathbb{H}$ 57'51	1.35842 AU		1412 Jan 28 j 13:31	0° $\mathbb{X}$	
superior conj	1411 Mar 09 j 08:39	26° $\mathbb{H}$ 50'03	-1°16'16	morning set	1412 Feb 10 j 00:16	20° $\mathbb{X}$ 28'00	
minimum elong	1411 Mar 09 j 12:18	27° $\mathbb{H}$ 08'28	1°15'41	max. Earth dist.	1412 Feb 13 j 16:49	27° $\mathbb{X}$ 01'04	1.37800 AU
	1411 Mar 10 j 22:14	0° $\mathbb{Y}$			1412 Feb 15 j 08:06	0° $\mathbb{H}$	
evening rise	1411 Mar 17 j 08:11	13° $\mathbb{Y}$ 08'07		superior conj	1412 Feb 20 j 15:11	9° $\mathbb{H}$ 57'43	-1°39'48
asc. node	1411 Mar 17 j 09:33	13° $\mathbb{Y}$ 15'09		minimum elong	1412 Feb 20 j 19:21	10° $\mathbb{H}$ 17'47	1°39'21
	1411 Mar 26 j 05:02	0° $\mathbb{Z}$		evening rise	1412 Feb 29 j 08:14	27° $\mathbb{H}$ 06'12	
evening max el	1411 Apr 04 j 06:00	12° $\mathbb{Z}$ 10'27	20°05'49		1412 Mar 01 j 19:30	0° $\mathbb{Y}$	
retrograde	1411 Apr 14 j 15:19	17° $\mathbb{Z}$ 11'06		asc. node	1412 Mar 03 j 06:36	2° $\mathbb{Y}$ 50'48	
evening set	1411 Apr 16 j 16:27	17° $\mathbb{Z}$ 00'16		evening max el	1412 Mar 17 j 00:43	24° $\mathbb{Y}$ 05'49	19°06'58
desc. node	1411 Apr 25 j 01:57	13° $\mathbb{Z}$ 21'59		retrograde	1412 Mar 25 j 18:43	28° $\mathbb{Y}$ 19'46	
inferior conj	1411 Apr 25 j 15:51	13° $\mathbb{Z}$ 01'13	-0°10'04	evening set	1412 Mar 27 j 22:50	28° $\mathbb{Y}$ 05'14	
minimum elong	1411 Apr 25 j 15:23	13° $\mathbb{Z}$ 01'55	0°09'55	inferior conj	1412 Apr 05 j 03:44	23° $\mathbb{Y}$ 52'48	1°36'08
transit middle	1411 Apr 25 j 15:23	13° $\mathbb{Z}$ 01'55	0°09'55	minimum elong	1412 Apr 05 j 07:13	23° $\mathbb{Y}$ 46'49	1°35'02
transit begin	1411 Apr 25 j 12:15	13° $\mathbb{Z}$ 06'37		min. Earth dist.	1412 Apr 08 j 04:04	21° $\mathbb{Y}$ 49'35	0.56612 AU
transit end	1411 Apr 25 j 18:31	12° $\mathbb{Z}$ 57'13		desc. node	1412 Apr 10 j 22:59	20° $\mathbb{Y}$ 08'08	
min. Earth dist.	1411 Apr 27 j 12:52	11° $\mathbb{Z}$ 53'59	0.55336 AU	morning rise	1412 Apr 13 j 12:37	18° $\mathbb{Y}$ 56'18	
morning rise	1411 May 04 j 12:27	8° $\mathbb{Z}$ 38'27		direct	1412 Apr 18 j 12:59	17° $\mathbb{Y}$ 57'34	
direct	1411 May 08 j 11:47	8° $\mathbb{Z}$ 03'57		morning max el	1412 May 02 j 18:52	25° $\mathbb{Y}$ 16'50	25°32'05
morning max el	1411 May 22 j 04:24	14° $\mathbb{Z}$ 49'08	23°54'18		1412 May 07 j 04:18	0° $\mathbb{Z}$	
	1411 Jun 03 j 02:04	0° $\mathbb{I}$			1412 May 25 j 23:38	0° $\mathbb{I}$	
asc. node	1411 Jun 13 j 08:49	18° $\mathbb{I}$ 49'56		morning set	1412 May 29 j 23:18	8° $\mathbb{I}$ 10'01	
morning set	1411 Jun 15 j 11:35	23° $\mathbb{I}$ 13'34		asc. node	1412 May 30 j 05:52	8° $\mathbb{I}$ 44'45	
	1411 Jun 18 j 15:40	0° $\mathbb{G}$		superior conj	1412 Jun 05 j 22:47	23° $\mathbb{I}$ 17'31	1°05'34
superior conj	1411 Jun 22 j 12:18	8° $\mathbb{G}$ 21'21	1°23'16	minimum elong	1412 Jun 05 j 20:27	23° $\mathbb{I}$ 04'46	1°05'10
minimum elong	1411 Jun 22 j 09:54	8° $\mathbb{G}$ 08'22	1°22'57	max. Earth dist.	1412 Jun 06 j 22:09	25° $\mathbb{I}$ 25'16	1.32599 AU
max. Earth dist.	1411 Jun 24 j 13:44	12° $\mathbb{G}$ 46'40	1.33324 AU		1412 Jun 09 j 00:46	0° $\mathbb{G}$	
evening rise	1411 Jun 29 j 22:41	23° $\mathbb{G}$ 56'36		evening rise	1412 Jun 13 j 00:45	8° $\mathbb{G}$ 27'36	
	1411 Jul 03 j 00:26	0° $\mathbb{Q}$			1412 Jun 24 j 10:07	0° $\mathbb{Q}$	
	1411 Jul 21 j 00:30	0° $\mathbb{M}$		desc. node	1412 Jul 07 j 22:18	20° $\mathbb{Q}$ 00'13	
desc. node	1411 Jul 22 j 01:16	1° $\mathbb{M}$ 26'04		evening max el	1412 Jul 14 j 21:17	27° $\mathbb{Q}$ 40'44	27°15'59
evening max el	1411 Aug 02 j 13:25	14° $\mathbb{M}$ 58'58	27°25'09		1412 Jul 17 j 12:26	0° $\mathbb{M}$	
retrograde	1411 Aug 16 j 04:09	22° $\mathbb{M}$ 17'06		retrograde	1412 Jul 28 j 17:11	4° $\mathbb{M}$ 56'23	
evening set	1411 Aug 23 j 08:08	19° $\mathbb{M}$ 37'07		evening set	1412 Aug 04 j 21:04	2° $\mathbb{M}$ 33'08	
min. Earth dist.	1411 Aug 27 j 00:01	16° $\mathbb{M}$ 22'13	0.63799 AU		1412 Aug 08 j 04:19	30° $\mathbb{R}$ $\mathbb{Q}$	
inferior conj	1411 Aug 29 j 12:54	13° $\mathbb{M}$ 45'24	-3°20'08	min. Earth dist.	1412 Aug 08 j 11:20	29° $\mathbb{Q}$ 44'40	0.61987 AU

inferior conj	1412 Aug 11 j 11:57	26° $\Omega$ 58'44	-4°08'40	inferior conj	1413 Jul 24 j 19:58	9° $\Omega$ 44'13	-4°43'33
minimum elong	1412 Aug 11 j 17:02	26° $\Omega$ 47'05	4°07'33	minimum elong	1413 Jul 24 j 23:20	9° $\Omega$ 37'27	4°43'11
morning rise	1412 Aug 18 j 14:29	21° $\Omega$ 58'30		morning rise	1413 Aug 01 j 09:33	5° $\Omega$ 06'21	
direct	1412 Aug 21 j 01:15	21° $\Omega$ 32'33		direct	1413 Aug 03 j 20:23	4° $\Omega$ 44'21	
asc. node	1412 Aug 26 j 05:04	23° $\Omega$ 31'17		morning max el	1413 Aug 11 j 09:09	8° $\Omega$ 23'51	18°14'29
morning max el	1412 Aug 27 j 22:03	25° $\Omega$ 00'27	17°54'38	asc. node	1413 Aug 13 j 02:07	10° $\Omega$ 12'09	
	1412 Sep 01 j 01:09	0° $\mathbb{M}$			1413 Aug 25 j 08:23	0° $\mathbb{M}$	
morning set	1412 Sep 12 j 21:31	20° $\mathbb{M}$ 03'41		morning set	1413 Aug 27 j 07:19	3° $\mathbb{M}$ 41'12	
	1412 Sep 18 j 10:03	0° $\underline{\Omega}$					
superior conj	1412 Sep 23 j 15:54	9° $\underline{\Omega}$ 10'55	1°05'48	superior conj	1413 Sep 05 j 17:29	21° $\mathbb{M}$ 17'17	1°29'58
minimum elong	1412 Sep 23 j 20:36	9° $\underline{\Omega}$ 31'07	1°05'13	minimum elong	1413 Sep 05 j 21:09	21° $\mathbb{M}$ 33'55	1°29'40
max. Earth dist.	1412 Sep 30 j 23:54	21° $\underline{\Omega}$ 29'26	1.42834 AU		1413 Sep 10 j 15:02	0° $\underline{\Omega}$	
desc. node	1412 Oct 03 j 21:36	26° $\underline{\Omega}$ 12'02		max. Earth dist.	1413 Sep 13 j 07:55	4° $\underline{\Omega}$ 39'06	1.41000 AU
	1412 Oct 06 j 06:44	0° $\mathbb{M}$		evening rise	1413 Sep 18 j 04:55	12° $\underline{\Omega}$ 46'30	
evening rise	1412 Oct 08 j 00:45	2° $\mathbb{M}$ 45'35		desc. node	1413 Sep 20 j 18:37	16° $\underline{\Omega}$ 55'42	
	1412 Oct 26 j 06:31	0° $\mathbb{M}$			1413 Sep 29 j 05:13	0° $\mathbb{M}$	
evening max el	1412 Nov 08 j 15:50	16° $\mathbb{M}$ 56'51	21°48'00		1413 Oct 21 j 20:08	0° $\mathbb{M}$	
retrograde	1412 Nov 17 j 18:52	22° $\mathbb{M}$ 22'44		evening max el	1413 Oct 22 j 07:23	0° $\mathbb{M}$ 28'36	23°06'55
evening set	1412 Nov 22 j 02:47	20° $\mathbb{M}$ 39'59		retrograde	1413 Nov 01 j 13:14	6° $\mathbb{M}$ 33'10	
asc. node	1412 Nov 22 j 04:18	20° $\mathbb{M}$ 36'57		evening set	1413 Nov 06 j 09:45	4° $\mathbb{M}$ 33'18	
inferior conj	1412 Nov 27 j 11:11	14° $\mathbb{M}$ 22'36	1°44'14	asc. node	1413 Nov 09 j 01:20	1° $\mathbb{M}$ 47'20	
minimum elong	1412 Nov 27 j 09:03	14° $\mathbb{M}$ 30'00	1°43'26		1413 Nov 10 j 10:38	30° $\mathbb{M}$	
min. Earth dist.	1412 Nov 27 j 14:01	14° $\mathbb{M}$ 12'50	0.67702 AU	inferior conj	1413 Nov 11 j 18:33	28° $\mathbb{M}$ 10'54	0°55'25
morning rise	1412 Dec 02 j 15:11	8° $\mathbb{M}$ 10'30		minimum elong	1413 Nov 11 j 17:18	28° $\mathbb{M}$ 15'15	0°54'53
direct	1412 Dec 07 j 13:16	6° $\mathbb{M}$ 05'05		min. Earth dist.	1413 Nov 11 j 10:41	28° $\mathbb{M}$ 37'59	0.67769 AU
morning max el	1412 Dec 17 j 12:12	11° $\mathbb{M}$ 59'10	22°53'41	morning rise	1413 Nov 17 j 00:46	22° $\mathbb{M}$ 01'51	
desc. node	1412 Dec 30 j 20:49	28° $\mathbb{M}$ 37'05		direct	1413 Nov 21 j 08:14	20° $\mathbb{M}$ 19'13	
	1412 Dec 31 j 20:25	0° $\mathbb{Z}$		morning max el	1413 Nov 30 j 02:41	25° $\mathbb{M}$ 27'04	21°29'10
	1413 Jan 20 j 10:24	0° $\approx$			1413 Dec 04 j 04:16	0° $\mathbb{M}$	
morning set	1413 Jan 20 j 21:59	0° $\approx$ 47'48		desc. node	1413 Dec 17 j 17:50	18° $\mathbb{M}$ 35'07	
max. Earth dist.	1413 Jan 25 j 12:26	8° $\approx$ 33'21	1.39936 AU		1413 Dec 25 j 08:19	0° $\mathbb{Z}$	
superior conj	1413 Feb 02 j 06:11	22° $\approx$ 16'58	-1°57'09	morning set	1413 Dec 31 j 14:37	9° $\mathbb{Z}$ 45'04	
minimum elong	1413 Feb 02 j 09:24	22° $\approx$ 31'44	1°56'59	max. Earth dist.	1414 Jan 07 j 12:47	20° $\mathbb{Z}$ 56'05	1.41978 AU
	1413 Feb 06 j 09:57	0° $\mathbb{H}$			1414 Jan 12 j 22:25	0° $\approx$	
evening rise	1413 Feb 11 j 23:12	10° $\mathbb{H}$ 33'04		superior conj	1414 Jan 15 j 00:20	3° $\approx$ 34'44	-2°04'09
asc. node	1413 Feb 18 j 03:38	22° $\mathbb{H}$ 05'05		minimum elong	1414 Jan 15 j 00:20	3° $\approx$ 34'43	2°04'09
	1413 Feb 22 j 22:08	0° $\mathbb{Y}$		evening rise	1414 Jan 26 j 01:24	23° $\approx$ 19'37	
evening max el	1413 Feb 28 j 04:25	6° $\mathbb{Y}$ 35'34	18°28'13		1414 Jan 29 j 17:29	0° $\mathbb{H}$	
retrograde	1413 Mar 07 j 17:03	10° $\mathbb{Y}$ 17'52		asc. node	1414 Feb 05 j 00:39	10° $\mathbb{H}$ 50'21	
evening set	1413 Mar 10 j 02:46	9° $\mathbb{Y}$ 56'19		evening max el	1414 Feb 11 j 13:58	19° $\mathbb{H}$ 30'42	18°09'29
inferior conj	1413 Mar 17 j 12:37	5° $\mathbb{Y}$ 24'28	2°50'11	retrograde	1414 Feb 18 j 08:44	22° $\mathbb{H}$ 57'08	
minimum elong	1413 Mar 17 j 16:33	5° $\mathbb{Y}$ 16'34	2°49'18	evening set	1414 Feb 20 j 23:52	22° $\mathbb{H}$ 26'34	
min. Earth dist.	1413 Mar 20 j 23:02	2° $\mathbb{Y}$ 40'20	0.58483 AU	inferior conj	1414 Feb 27 j 17:44	17° $\mathbb{H}$ 33'57	3°31'05
morning rise	1413 Mar 25 j 03:32	29° $\mathbb{H}$ 57'19		minimum elong	1414 Feb 27 j 20:00	17° $\mathbb{H}$ 28'40	3°30'48
	1413 Mar 25 j 01:26	30° $\mathbb{H}$		min. Earth dist.	1414 Mar 03 j 00:09	14° $\mathbb{H}$ 32'38	0.60610 AU
desc. node	1413 Mar 28 j 20:00	28° $\mathbb{H}$ 37'42		morning rise	1414 Mar 06 j 14:10	11° $\mathbb{H}$ 46'03	
direct	1413 Mar 31 j 04:00	28° $\mathbb{H}$ 23'33		direct	1414 Mar 13 j 07:06	9° $\mathbb{H}$ 35'39	
	1413 Apr 06 j 10:43	0° $\mathbb{Y}$		desc. node	1414 Mar 15 j 17:02	9° $\mathbb{H}$ 51'39	
morning max el	1413 Apr 14 j 13:03	6° $\mathbb{Y}$ 03'57	26°50'46	morning max el	1414 Mar 27 j 13:15	17° $\mathbb{H}$ 27'21	27°37'54
	1413 May 02 j 06:28	0° $\mathbb{B}$			1414 Apr 06 j 23:37	0° $\mathbb{Y}$	
morning set	1413 May 14 j 09:28	23° $\mathbb{B}$ 01'11			1414 Apr 24 j 20:52	0° $\mathbb{B}$	
asc. node	1413 May 17 j 02:55	28° $\mathbb{B}$ 49'30		morning set	1414 Apr 28 j 16:13	7° $\mathbb{B}$ 39'30	
	1413 May 17 j 15:57	0° $\mathbb{I}$		asc. node	1414 May 03 j 23:57	18° $\mathbb{B}$ 58'42	
superior conj	1413 May 21 j 10:33	8° $\mathbb{I}$ 15'54	0°44'17	max. Earth dist.	1414 May 04 j 22:03	20° $\mathbb{B}$ 59'15	1.32288 AU
minimum elong	1413 May 21 j 08:44	8° $\mathbb{I}$ 05'58	0°43'55	superior conj	1414 May 05 j 21:50	23° $\mathbb{B}$ 09'22	0°20'07
max. Earth dist.	1413 May 21 j 10:15	8° $\mathbb{I}$ 14'15	1.32254 AU	minimum elong	1414 May 05 j 20:56	23° $\mathbb{B}$ 04'25	0°19'55
evening rise	1413 May 28 j 08:14	23° $\mathbb{I}$ 13'32			1414 May 09 j 00:45	0° $\mathbb{I}$	
	1413 May 31 j 15:23	0° $\mathbb{E}$		evening rise	1414 May 12 j 18:49	8° $\mathbb{I}$ 05'44	
desc. node	1413 Jun 18 j 13:19	0° $\Omega$			1414 May 24 j 04:15	0° $\mathbb{E}$	
evening max el	1413 Jun 24 j 19:18	7° $\Omega$ 29'10		evening max el	1414 Jun 08 j 17:56	20° $\mathbb{E}$ 51'42	25°21'44
retrograde	1413 Jun 26 j 23:09	9° $\Omega$ 39'25	26°33'40	desc. node	1414 Jun 11 j 16:19	23° $\mathbb{E}$ 25'25	
evening set	1413 Jul 10 j 22:37	16° $\Omega$ 52'41		retrograde	1414 Jun 22 j 18:29	28° $\mathbb{E}$ 00'16	
evening set	1413 Jul 17 j 15:09	14° $\Omega$ 59'20		evening set	1414 Jun 28 j 10:14	26° $\mathbb{E}$ 45'43	
min. Earth dist.	1413 Jul 21 j 12:29	12° $\Omega$ 22'50	0.59959 AU	min. Earth dist.	1414 Jul 03 j 05:54	24° $\mathbb{E}$ 02'39	0.57925 AU
				inferior conj	1414 Jul 06 j 09:28	21° $\mathbb{E}$ 51'46	-4°54'02



minimum elong	1414 Jul 06 j 08:43	21°☿53'05	4°54'01	desc. node	1415 May 29 j 13:20	7°☿14'36	
morning rise	1414 Jul 14 j 09:47	17°☿36'13		retrograde	1415 Jun 04 j 02:10	8°☿24'07	
direct	1414 Jul 16 j 22:47	17°☿16'33		evening set	1415 Jun 08 j 07:16	7°☿45'01	
morning max el	1414 Jul 25 j 13:04	21°☿19'16	18°54'57	min. Earth dist.	1415 Jun 14 j 19:00	4°☿40'00	0.56208 AU
asc. node	1414 Jul 30 j 23:10	27°☿52'51		inferior conj	1415 Jun 17 j 02:48	3°☿15'04	-4°26'18
	1414 Aug 01 j 08:44	0°♌		minimum elong	1415 Jun 16 j 20:56	3°☿24'03	4°25'21
morning set	1414 Aug 11 j 03:33	17°♌49'23			1415 Jun 23 j 05:48	30°♌II	
	1414 Aug 17 j 08:19	0°♍		morning rise	1415 Jun 25 j 13:16	29°♌16'55	
				direct	1415 Jun 28 j 06:12	28°♌58'12	
superior conj	1414 Aug 19 j 14:45	4°♍22'14	1°42'46		1415 Jul 03 j 00:11	0°☿	
minimum elong	1414 Aug 19 j 16:28	4°♍30'29	1°42'42	morning max el	1415 Jul 08 j 07:00	3°☿37'14	19°56'43
max. Earth dist.	1414 Aug 26 j 11:34	17°♍04'51	1.38967 AU	asc. node	1415 Jul 17 j 20:12	16°☿19'52	
evening rise	1414 Aug 30 j 09:14	23°♍55'13			1415 Jul 25 j 03:16	0°♌	
	1414 Sep 02 j 23:46	0°♎		morning set	1415 Jul 26 j 06:59	2°♌19'36	
desc. node	1414 Sep 07 j 15:37	7°♎32'17					
	1414 Sep 23 j 00:12	0°♏		superior conj	1415 Aug 03 j 02:23	18°♌10'36	1°46'07
evening max el	1414 Oct 04 j 20:02	14°♏04'25	24°26'34	minimum elong	1415 Aug 03 j 02:17	18°♌10'02	1°46'08
retrograde	1414 Oct 16 j 03:54	20°♏41'58		max. Earth dist.	1415 Aug 08 j 16:12	29°♌02'05	1.36991 AU
evening set	1414 Oct 21 j 14:21	18°♏25'16			1415 Aug 09 j 04:29	0°♍	
min. Earth dist.	1414 Oct 26 j 06:37	13°♏03'22	0.67510 AU	evening rise	1415 Aug 12 j 12:32	6°♍09'19	
asc. node	1414 Oct 26 j 22:22	12°♏10'35		desc. node	1415 Aug 25 j 12:39	27°♍56'58	
inferior conj	1414 Oct 27 j 00:54	12°♏02'05	0°02'11		1415 Aug 26 j 20:41	0°♎	
minimum elong	1414 Oct 27 j 00:51	12°♏02'16	0°02'10	evening max el	1415 Sep 17 j 07:59	27°♎43'39	25°39'39
transit middle	1414 Oct 27 j 00:51	12°♏02'16	0°02'10		1415 Sep 19 j 19:31	0°♏	
transit begin	1414 Oct 26 j 22:08	12°♏11'22		retrograde	1415 Sep 29 j 13:55	4°♏44'21	
transit end	1414 Oct 27 j 03:34	11°♏53'10		evening set	1415 Oct 05 j 14:48	2°♏12'45	
morning rise	1414 Nov 01 j 11:24	5°♏58'27			1415 Oct 07 j 20:15	30°♎♎	
direct	1414 Nov 05 j 05:46	4°♏37'10		min. Earth dist.	1415 Oct 09 j 23:16	27°♎26'15	0.66926 AU
morning max el	1414 Nov 13 j 00:26	9°♏05'17	20°14'52	inferior conj	1415 Oct 11 j 04:27	25°♎53'06	-0°54'06
	1414 Nov 28 j 17:19	0°♐		minimum elong	1415 Oct 11 j 05:50	25°♎48'39	0°53'30
desc. node	1414 Dec 04 j 14:51	8°♐52'17		asc. node	1415 Oct 13 j 19:25	22°♎41'41	
morning set	1414 Dec 10 j 11:59	17°♐53'32		morning rise	1415 Oct 16 j 21:07	19°♎57'44	
	1414 Dec 18 j 05:32	0°♑		direct	1415 Oct 20 j 04:21	18°♎54'51	
max. Earth dist.	1414 Dec 20 j 20:45	4°♑12'07	1.43651 AU	morning max el	1415 Oct 27 j 05:50	22°♎53'06	19°14'28
					1415 Nov 02 j 02:16	0°♏	
superior conj	1414 Dec 26 j 17:00	13°♑41'36	-1°55'52	morning set	1415 Nov 19 j 14:11	26°♏24'48	
minimum elong	1414 Dec 26 j 11:47	13°♑20'08	1°55'35	desc. node	1415 Nov 21 j 11:52	29°♏22'41	
	1415 Jan 05 j 09:12	0°♒			1415 Nov 21 j 21:27	0°♐	
evening rise	1415 Jan 08 j 10:38	5°♒17'38		max. Earth dist.	1415 Dec 03 j 11:41	18°♐09'33	1.44742 AU
asc. node	1415 Jan 22 j 21:41	28°♒57'50					
	1415 Jan 23 j 16:52	0°♓		superior conj	1415 Dec 06 j 08:06	22°♐40'17	-1°28'48
evening max el	1415 Jan 26 j 02:18	2°♓43'12	18°10'10	minimum elong	1415 Dec 05 j 23:25	22°♐05'50	1°27'56
retrograde	1415 Feb 01 j 13:44	6°♓08'06			1415 Dec 10 j 22:15	0°♑	
evening set	1415 Feb 04 j 09:55	5°♓27'17		evening rise	1415 Dec 20 j 22:37	16°♑19'31	
inferior conj	1415 Feb 10 j 15:31	0°♓14'20	3°45'15		1415 Dec 29 j 05:45	0°♒	
minimum elong	1415 Feb 10 j 15:43	0°♓13'47	3°45'15	evening max el	1416 Jan 09 j 14:33	16°♒05'07	18°29'31
	1415 Feb 10 j 20:55	30°♒♒		asc. node	1416 Jan 09 j 18:44	16°♒15'38	
min. Earth dist.	1415 Feb 13 j 09:39	27°♒20'20	0.62676 AU	retrograde	1416 Jan 16 j 03:41	19°♒41'01	
morning rise	1415 Feb 16 j 20:27	24°♒14'18		evening set	1416 Jan 19 j 05:12	18°♒49'00	
direct	1415 Feb 23 j 19:38	21°♒36'29		inferior conj	1416 Jan 25 j 01:54	13°♒17'09	3°39'41
desc. node	1415 Mar 02 j 14:03	23°♒43'02		minimum elong	1416 Jan 25 j 00:29	13°♒21'17	3°39'34
morning max el	1415 Mar 09 j 18:56	29°♒31'19	27°48'03	min. Earth dist.	1416 Jan 27 j 04:37	10°♒48'52	0.64463 AU
	1415 Mar 10 j 06:20	0°♓		morning rise	1416 Jan 30 j 19:16	7°♒10'04	
	1415 Mar 31 j 21:52	0°♔		direct	1416 Feb 06 j 15:30	4°♒19'18	
morning set	1415 Apr 12 j 17:27	21°♔58'08		desc. node	1416 Feb 17 j 11:05	9°♒37'03	
	1415 Apr 16 j 14:42	0°♕		morning max el	1416 Feb 20 j 03:56	12°♒09'08	27°22'34
max. Earth dist.	1415 Apr 18 j 05:51	3°♕28'04	1.32722 AU		1416 Mar 05 j 10:18	0°♓	
					1416 Mar 23 j 09:57	0°♔	
superior conj	1415 Apr 20 j 06:57	7°♕52'21	-0°06'11	morning set	1416 Mar 26 j 10:26	5°♔48'14	
minimum elong	1415 Apr 20 j 07:14	7°♕53'57	0°06'07	max. Earth dist.	1416 Mar 31 j 05:49	15°♔29'11	1.33578 AU
behind sun begin	1415 Apr 20 j 02:25	7°♕27'49					
behind sun end	1415 Apr 20 j 12:04	8°♕20'06		superior conj	1416 Apr 03 j 11:59	22°♔18'28	-0°33'40
asc. node	1415 Apr 20 j 20:59	9°♕08'24		minimum elong	1416 Apr 03 j 13:40	22°♔27'19	0°33'19
evening rise	1415 Apr 27 j 06:39	22°♕57'55		asc. node	1416 Apr 06 j 18:03	29°♔14'29	
	1415 Apr 30 j 16:11	0°♖			1416 Apr 07 j 02:33	0°♕	
	1415 May 19 j 20:26	0°☿		evening rise	1416 Apr 10 j 17:51	7°♕43'39	
evening max el	1415 May 21 j 08:16	1°☿30'23	23°50'29		1416 Apr 22 j 14:35	0°♖	

evening max el	1416 May 02 j 00:25	12° $\Pi$ 02'50	22°14'54	evening max el	1417 Apr 14 j 01:07	22° $\mathcal{B}$ 57'29	20°48'18
retrograde	1416 May 14 j 21:26	18° $\Pi$ 24'03		retrograde	1417 Apr 25 j 10:39	28° $\mathcal{B}$ 29'43	
desc. node	1416 May 15 j 10:21	18° $\Pi$ 23'24		evening set	1417 Apr 27 j 14:13	28° $\mathcal{B}$ 18'40	
evening set	1416 May 17 j 18:24	18° $\Pi$ 05'48		desc. node	1417 May 02 j 07:22	26° $\mathcal{B}$ 46'28	
min. Earth dist.	1416 May 26 j 06:47	14° $\Pi$ 26'33	0.55145 AU	inferior conj	1417 May 06 j 20:59	24° $\mathcal{B}$ 20'44	-1°19'19
inferior conj	1416 May 27 j 03:07	13° $\Pi$ 57'55	-3°11'18	minimum elong	1417 May 06 j 17:14	24° $\mathcal{B}$ 26'06	1°17'59
minimum elong	1416 May 26 j 19:30	14° $\Pi$ 08'40	3°09'06	min. Earth dist.	1417 May 07 j 19:22	23° $\mathcal{B}$ 48'50	0.54982 AU
morning rise	1416 Jun 04 j 22:23	10° $\Pi$ 05'14		morning rise	1417 May 15 j 19:49	20° $\mathcal{B}$ 14'09	
direct	1416 Jun 07 j 21:32	9° $\Pi$ 45'27		direct	1417 May 19 j 07:15	19° $\mathcal{B}$ 48'07	
morning max el	1416 Jun 19 j 13:34	15° $\Pi$ 12'04	21°18'40	morning max el	1417 Jun 01 j 10:12	26° $\mathcal{B}$ 06'33	22°55'41
	1416 Jun 30 j 17:03	0° $\mathcal{E}$			1417 Jun 05 j 02:53	0° $\Pi$	
asc. node	1416 Jul 03 j 17:16	5° $\mathcal{E}$ 22'13		asc. node	1417 Jun 20 j 14:20	24° $\Pi$ 50'20	
morning set	1416 Jul 09 j 15:12	17° $\mathcal{E}$ 05'13			1417 Jun 23 j 03:13	0° $\mathcal{E}$	
	1416 Jul 15 j 19:19	0° $\Omega$		morning set	1417 Jun 24 j 02:06	1° $\mathcal{E}$ 59'14	
superior conj	1416 Jul 17 j 00:12	2° $\Omega$ 30'18	1°41'53	superior conj	1417 Jul 01 j 04:51	17° $\mathcal{E}$ 10'24	1°31'33
minimum elong	1416 Jul 16 j 22:45	2° $\Omega$ 22'45	1°41'48	minimum elong	1417 Jul 01 j 02:38	16° $\mathcal{E}$ 58'35	1°31'18
max. Earth dist.	1416 Jul 21 j 03:16	10° $\Omega$ 55'01	1.35270 AU	max. Earth dist.	1417 Jul 03 j 23:16	23° $\mathcal{E}$ 01'13	1.33917 AU
evening rise	1416 Jul 25 j 10:28	19° $\Omega$ 17'44			1417 Jul 07 j 08:49	0° $\Omega$	
	1416 Jul 31 j 07:07	0° $\mathcal{N}$		evening rise	1417 Jul 08 j 22:15	3° $\Omega$ 06'46	
desc. node	1416 Aug 11 j 09:42	18° $\mathcal{N}$ 03'53			1417 Jul 24 j 02:48	0° $\mathcal{N}$	
	1416 Aug 19 j 22:10	0° $\mathcal{E}$		desc. node	1417 Jul 29 j 06:44	7° $\mathcal{N}$ 44'08	
evening max el	1416 Aug 29 j 20:09	11° $\mathcal{E}$ 21'07	26°38'31	evening max el	1417 Aug 12 j 08:01	24° $\mathcal{N}$ 46'12	27°15'51
retrograde	1416 Sep 11 j 18:47	18° $\mathcal{E}$ 34'54			1417 Aug 19 j 00:45	0° $\mathcal{E}$	
evening set	1416 Sep 18 j 09:08	15° $\mathcal{E}$ 53'01		retrograde	1417 Aug 25 j 18:10	2° $\mathcal{E}$ 04'58	
min. Earth dist.	1416 Sep 22 j 10:17	11° $\mathcal{E}$ 43'18	0.65999 AU		1417 Aug 31 j 21:25	30° $\mathcal{R}$ $\mathcal{N}$	
inferior conj	1416 Sep 24 j 03:16	9° $\mathcal{E}$ 41'05	-1°51'48	evening set	1417 Sep 01 j 18:47	29° $\mathcal{N}$ 20'49	
minimum elong	1416 Sep 24 j 06:13	9° $\mathcal{E}$ 32'18	1°50'38	min. Earth dist.	1417 Sep 05 j 13:22	25° $\mathcal{N}$ 47'15	0.64707 AU
asc. node	1416 Sep 29 j 16:27	4° $\mathcal{E}$ 13'41		inferior conj	1417 Sep 07 j 19:04	23° $\mathcal{N}$ 20'34	-2°48'50
morning rise	1416 Sep 30 j 03:50	3° $\mathcal{E}$ 57'05		minimum elong	1417 Sep 07 j 23:25	23° $\mathcal{N}$ 08'40	2°47'18
direct	1416 Oct 03 j 02:06	3° $\mathcal{E}$ 09'03		morning rise	1417 Sep 14 j 04:58	17° $\mathcal{N}$ 51'06	
morning max el	1416 Oct 09 j 17:28	6° $\mathcal{E}$ 47'35	18°29'55	direct	1417 Sep 16 j 20:39	17° $\mathcal{N}$ 14'17	
	1416 Oct 25 j 20:03	0° $\mathcal{M}$		asc. node	1417 Sep 16 j 13:30	17° $\mathcal{N}$ 14'45	
morning set	1416 Oct 29 j 17:16	6° $\mathcal{M}$ 14'15		morning max el	1417 Sep 23 j 08:45	20° $\mathcal{N}$ 42'21	18°02'10
desc. node	1416 Nov 07 j 08:57	20° $\mathcal{M}$ 02'35			1417 Sep 30 j 10:14	0° $\mathcal{E}$	
	1416 Nov 13 j 16:26	0° $\mathcal{X}$		morning set	1417 Oct 11 j 01:12	17° $\mathcal{E}$ 28'28	
superior conj	1416 Nov 14 j 09:24	1° $\mathcal{X}$ 06'41	-0°45'35		1417 Oct 18 j 14:03	0° $\mathcal{M}$	
minimum elong	1416 Nov 14 j 03:33	0° $\mathcal{X}$ 43'40	0°44'49	superior conj	1417 Oct 24 j 18:21	10° $\mathcal{M}$ 01'11	0°03'17
max. Earth dist.	1416 Nov 15 j 06:26	2° $\mathcal{X}$ 29'18	1.45122 AU	minimum elong	1417 Oct 24 j 18:44	10° $\mathcal{M}$ 02'45	0°03'13
evening rise	1416 Nov 30 j 11:13	26° $\mathcal{X}$ 24'27		behind sun begin	1417 Oct 24 j 08:21	9° $\mathcal{M}$ 21'06	
	1416 Dec 02 j 17:42	0° $\mathcal{Z}$		behind sun end	1417 Oct 25 j 05:07	10° $\mathcal{M}$ 44'20	
greatest brilliancy	1416 Dec 09 j 22:18	11° $\mathcal{Z}$ 20'31	-0.8m	desc. node	1417 Oct 25 j 06:02	10° $\mathcal{M}$ 47'59	
evening max el	1416 Dec 23 j 00:16	29° $\mathcal{Z}$ 31'49	19°06'25	max. Earth dist.	1417 Oct 29 j 01:15	16° $\mathcal{M}$ 50'39	1.44752 AU
	1416 Dec 23 j 11:29	0° $\approx$			1417 Nov 06 j 10:59	0° $\mathcal{X}$	
asc. node	1416 Dec 26 j 15:46	2° $\approx$ 30'30		evening rise	1417 Nov 10 j 03:29	5° $\mathcal{X}$ 42'27	
retrograde	1416 Dec 29 j 22:59	3° $\approx$ 29'22		greatest brilliancy	1417 Nov 24 j 02:03	26° $\mathcal{X}$ 55'18	-0.6m
evening set	1417 Jan 02 j 06:45	2° $\approx$ 25'09			1417 Nov 26 j 04:25	0° $\mathcal{Z}$	
	1417 Jan 05 j 01:21	30° $\mathcal{R}$ $\mathcal{Z}$		evening max el	1417 Dec 06 j 05:35	13° $\mathcal{Z}$ 00'47	19°59'15
inferior conj	1417 Jan 07 j 21:22	26° $\mathcal{Z}$ 36'39	3°19'42	retrograde	1417 Dec 13 j 20:38	17° $\mathcal{Z}$ 28'34	
minimum elong	1417 Jan 07 j 19:01	26° $\mathcal{Z}$ 44'07	3°19'16	asc. node	1417 Dec 13 j 12:46	17° $\mathcal{Z}$ 27'58	
min. Earth dist.	1417 Jan 09 j 08:50	24° $\mathcal{Z}$ 44'21	0.65871 AU	evening set	1417 Dec 17 j 12:13	16° $\mathcal{Z}$ 10'45	
morning rise	1417 Jan 13 j 07:00	20° $\mathcal{Z}$ 25'27		inferior conj	1417 Dec 22 j 23:01	10° $\mathcal{Z}$ 08'32	2°48'57
direct	1417 Jan 19 j 17:48	17° $\mathcal{Z}$ 35'47		minimum elong	1417 Dec 22 j 20:21	10° $\mathcal{Z}$ 17'28	2°48'13
morning max el	1417 Feb 01 j 13:45	25° $\mathcal{Z}$ 09'50	26°27'19	min. Earth dist.	1417 Dec 23 j 20:41	8° $\mathcal{Z}$ 56'06	0.66878 AU
desc. node	1417 Feb 03 j 08:08	27° $\mathcal{Z}$ 00'23		morning rise	1417 Dec 28 j 04:16	3° $\mathcal{Z}$ 55'19	
	1417 Feb 05 j 23:48	0° $\approx$		direct	1418 Jan 03 j 01:53	1° $\mathcal{Z}$ 17'43	
	1417 Feb 26 j 21:47	0° $\mathcal{H}$		morning max el	1418 Jan 14 j 22:41	8° $\mathcal{Z}$ 22'09	25°11'12
morning set	1417 Mar 09 j 15:34	18° $\mathcal{H}$ 58'43		desc. node	1418 Jan 21 j 05:12	15° $\mathcal{Z}$ 27'31	
max. Earth dist.	1417 Mar 13 j 18:49	26° $\mathcal{H}$ 56'53	1.34885 AU		1418 Jan 31 j 22:28	0° $\approx$	
	1417 Mar 15 j 07:41	0° $\mathcal{Y}$			1418 Feb 19 j 11:02	0° $\mathcal{H}$	
superior conj	1417 Mar 18 j 10:40	6° $\mathcal{Y}$ 20'26	-1°01'08	morning set	1418 Feb 20 j 04:00	1° $\mathcal{H}$ 15'54	
minimum elong	1417 Mar 18 j 13:41	6° $\mathcal{Y}$ 35'59	1°00'35	max. Earth dist.	1418 Feb 23 j 20:24	8° $\mathcal{H}$ 00'30	1.36629 AU
asc. node	1417 Mar 24 j 15:06	19° $\mathcal{Y}$ 12'24		superior conj	1418 Mar 02 j 00:07	19° $\mathcal{H}$ 50'36	-1°26'48
evening rise	1417 Mar 26 j 02:31	22° $\mathcal{Y}$ 16'05		minimum elong	1418 Mar 02 j 04:07	20° $\mathcal{H}$ 10'22	1°26'14
	1417 Mar 29 j 22:21	0° $\mathcal{B}$			1418 Mar 07 j 01:38	0° $\mathcal{Y}$	

evening rise	1418 Mar 10 j 06:26	6°♄28'42		minimum elong	1419 Feb 13 j 04:34	2°♄57'25	1°47'48
asc. node	1418 Mar 11 j 12:08	8°♄57'40		evening rise	1419 Feb 22 j 02:58	20°♄13'41	
	1418 Mar 23 j 15:25	0°♄		asc. node	1419 Feb 26 j 09:09	28°♄24'32	
evening max el	1418 Mar 27 j 13:30	4°♄30'26	19°38'25		1419 Feb 27 j 05:41	0°♄	
retrograde	1418 Apr 06 j 05:36	9°♄10'10		evening max el	1419 Mar 10 j 12:26	16°♄41'10	18°48'06
evening set	1418 Apr 08 j 07:02	8°♄58'25		retrograde	1419 Mar 18 j 16:29	20°♄39'17	
inferior conj	1418 Apr 16 j 23:03	4°♄55'00	0°38'07	evening set	1419 Mar 20 j 22:55	20°♄22'08	
minimum elong	1418 Apr 17 j 00:41	4°♄52'26	0°37'33	inferior conj	1419 Mar 28 j 19:32	16°♄02'14	2°11'48
desc. node	1418 Apr 19 j 04:23	3°♄30'57		minimum elong	1419 Mar 28 j 23:35	15°♄54'47	2°10'40
min. Earth dist.	1418 Apr 19 j 09:44	3°♄22'40	0.55775 AU	min. Earth dist.	1419 Apr 01 j 02:26	13°♄38'51	0.57354 AU
morning rise	1418 Apr 25 j 15:43	0°♄17'51		morning rise	1419 Apr 05 j 21:09	10°♄51'41	
	1418 Apr 26 j 16:46	30°♄♄		desc. node	1419 Apr 06 j 01:24	10°♄47'07	
direct	1418 Apr 30 j 00:59	29°♄34'45		direct	1419 Apr 11 j 08:37	9°♄38'33	
	1418 May 03 j 08:46	0°♄		morning max el	1419 Apr 25 j 16:38	17°♄08'47	26°08'42
morning max el	1418 May 14 j 01:19	6°♄37'02	24°37'15		1419 May 06 j 06:24	0°♄	
	1418 May 30 j 22:50	0°♄			1419 May 23 j 04:07	0°♄	
asc. node	1418 Jun 07 j 11:25	14°♄37'08		morning set	1419 May 24 j 01:12	1°♄50'24	
morning set	1418 Jun 08 j 13:58	16°♄56'14		asc. node	1419 May 25 j 08:28	4°♄36'16	
	1418 Jun 14 j 15:14	0°♄					
superior conj	1418 Jun 15 j 13:49	2°♄02'50	1°16'16	superior conj	1419 May 31 j 01:02	17°♄00'18	0°56'56
minimum elong	1418 Jun 15 j 11:23	1°♄49'37	1°15'54	minimum elong	1419 May 30 j 22:53	16°♄48'27	0°56'33
max. Earth dist.	1418 Jun 17 j 03:44	5°♄28'13	1.32965 AU	max. Earth dist.	1419 May 31 j 13:58	18°♄11'15	1.32403 AU
evening rise	1418 Jun 22 j 20:02	17°♄25'19			1419 Jun 06 j 01:09	0°♄	
	1418 Jun 29 j 07:18	0°♄		evening rise	1419 Jun 07 j 00:41	2°♄03'21	
desc. node	1418 Jul 16 j 03:44	26°♄46'34			1419 Jun 22 j 05:29	0°♄	
	1418 Jul 18 j 16:06	0°♄		desc. node	1419 Jul 03 j 00:43	14°♄55'40	
evening max el	1418 Jul 25 j 17:59	7°♄47'18	27°25'09	evening max el	1419 Jul 07 j 23:44	20°♄12'22	27°02'06
retrograde	1418 Aug 08 j 11:30	15°♄05'20		retrograde	1419 Jul 21 j 21:40	27°♄27'03	
evening set	1418 Aug 15 j 16:29	12°♄30'35		evening set	1419 Jul 28 j 22:02	25°♄15'19	
min. Earth dist.	1418 Aug 19 j 06:52	9°♄28'16	0.63065 AU	min. Earth dist.	1419 Aug 01 j 14:00	22°♄33'42	0.61137 AU
inferior conj	1418 Aug 22 j 01:08	6°♄45'36	-3°41'53	inferior conj	1419 Aug 04 j 18:17	19°♄48'40	-4°25'42
minimum elong	1418 Aug 22 j 06:18	6°♄32'54	3°40'28	minimum elong	1419 Aug 04 j 22:55	19°♄38'36	4°24'53
morning rise	1418 Aug 28 j 21:26	1°♄33'45		morning rise	1419 Aug 12 j 01:30	14°♄57'27	
direct	1418 Aug 31 j 09:05	1°♄04'47		direct	1419 Aug 14 j 11:54	14°♄33'29	
asc. node	1418 Sep 03 j 10:34	1°♄49'42		asc. node	1419 Aug 21 j 07:39	17°♄49'00	
morning max el	1418 Sep 07 j 00:46	4°♄30'38	17°52'00	morning max el	1419 Aug 21 j 14:32	18°♄05'27	18°00'33
morning set	1418 Sep 23 j 09:13	29°♄51'45			1419 Aug 30 j 04:06	0°♄	
	1418 Sep 23 j 11:05	0°♄		morning set	1419 Sep 06 j 11:13	13°♄07'05	
					1419 Sep 15 j 17:51	0°♄	
superior conj	1418 Oct 05 j 02:55	20°♄06'25	0°46'13	superior conj	1419 Sep 16 j 14:37	1°♄31'42	1°17'32
minimum elong	1418 Oct 05 j 07:08	20°♄24'00	0°45'39	minimum elong	1419 Sep 16 j 19:06	1°♄51'23	1°17'03
	1418 Oct 11 j 03:26	0°♄		max. Earth dist.	1419 Sep 24 j 04:25	14°♄29'17	1.42098 AU
max. Earth dist.	1418 Oct 11 j 17:07	0°♄55'10	1.43699 AU	desc. node	1419 Sep 29 j 00:04	22°♄21'19	
desc. node	1418 Oct 12 j 03:03	1°♄35'08		evening rise	1419 Sep 30 j 04:12	24°♄13'47	
evening rise	1418 Oct 20 j 11:17	14°♄43'46			1419 Oct 03 j 20:16	0°♄	
	1418 Oct 30 j 12:46	0°♄			1419 Oct 24 j 13:01	0°♄	
evening max el	1418 Nov 19 j 05:23	26°♄30'26	21°05'29	evening max el	1419 Nov 01 j 23:49	10°♄01'56	22°21'09
	1418 Nov 23 j 07:13	0°♄		retrograde	1419 Nov 11 j 14:07	15°♄44'12	
retrograde	1418 Nov 27 j 18:16	1°♄34'18		evening set	1419 Nov 16 j 03:11	13°♄54'25	
asc. node	1418 Nov 30 j 09:48	0°♄55'07		asc. node	1419 Nov 17 j 06:50	12°♄51'01	
evening set	1418 Dec 01 j 19:35	0°♄01'17		inferior conj	1419 Nov 21 j 11:37	7°♄34'42	1°24'10
	1418 Dec 01 j 20:15	30°♄♄		minimum elong	1419 Nov 21 j 09:48	7°♄40'58	1°23'27
inferior conj	1418 Dec 07 j 04:26	23°♄48'32	2°09'51	min. Earth dist.	1419 Nov 21 j 09:54	7°♄40'38	0.67776 AU
minimum elong	1418 Dec 07 j 01:58	23°♄57'01	2°09'00	morning rise	1419 Nov 26 j 16:17	1°♄23'34	
min. Earth dist.	1418 Dec 07 j 13:50	23°♄16'10	0.67505 AU		1419 Nov 28 j 20:18	30°♄♄	
morning rise	1418 Dec 12 j 08:08	17°♄35'21		direct	1419 Dec 01 j 08:08	29°♄27'37	
direct	1418 Dec 17 j 14:58	15°♄16'53			1419 Dec 03 j 23:41	0°♄	
morning max el	1418 Dec 28 j 07:09	21°♄38'44	23°44'23	morning max el	1419 Dec 10 j 18:18	5°♄01'13	22°16'44
	1419 Jan 04 j 12:52	0°♄		desc. node	1419 Dec 25 j 23:16	24°♄23'26	
desc. node	1419 Jan 08 j 02:14	4°♄39'21			1419 Dec 29 j 19:56	0°♄	
	1419 Jan 25 j 05:35	0°♄		morning set	1420 Jan 13 j 02:33	22°♄05'04	
morning set	1419 Feb 01 j 17:29	12°♄22'09			1420 Jan 17 j 21:43	0°♄	
max. Earth dist.	1419 Feb 05 j 15:15	19°♄09'04	1.38696 AU	max. Earth dist.	1420 Jan 18 j 12:09	1°♄00'43	1.40841 AU
	1419 Feb 11 j 14:43	0°♄					
superior conj	1419 Feb 13 j 00:34	2°♄38'35	-1°48'10	superior conj	1420 Jan 26 j 07:22	14°♄33'16	-2°01'41
				minimum elong	1420 Jan 26 j 09:32	14°♄42'58	2°01'37

	1420 Feb 03 j 17:22	0°♄		minimum elong	1421 Jan 06 j 13:00	25°♄12'35	2°02'44
evening rise	1420 Feb 05 j 12:56	3°♄23'56			1421 Jan 09 j 08:21	0°♄	
asc. node	1420 Feb 13 j 06:10	17°♄27'01		evening rise	1421 Jan 18 j 08:26	15°♄50'49	
evening max el	1420 Feb 21 j 19:03	29°♄22'38	18°17'50		1421 Jan 26 j 09:38	0°♄	
	1420 Feb 22 j 11:03	0°♄		asc. node	1421 Jan 30 j 03:11	5°♄57'14	
retrograde	1420 Feb 28 j 22:26	2°♄55'54		evening max el	1421 Feb 04 j 06:07	12°♄25'49	18°07'24
evening set	1420 Mar 02 j 10:42	2°♄30'32		retrograde	1421 Feb 10 j 20:31	15°♄50'05	
	1420 Mar 06 j 21:27	30°♄		evening set	1421 Feb 13 j 13:51	15°♄15'12	
inferior conj	1420 Mar 09 j 13:17	27°♄49'46	3°11'17	inferior conj	1421 Feb 20 j 02:00	10°♄13'26	3°39'56
minimum elong	1420 Mar 09 j 16:39	27°♄42'33	3°10'39	minimum elong	1421 Feb 20 j 03:23	10°♄10'03	3°39'49
min. Earth dist.	1420 Mar 12 j 23:24	24°♄55'23	0.59386 AU	min. Earth dist.	1421 Feb 23 j 03:42	7°♄12'48	0.61511 AU
morning rise	1420 Mar 16 j 20:11	22°♄12'56		morning rise	1421 Feb 26 j 15:23	4°♄19'31	
desc. node	1420 Mar 22 j 22:26	20°♄23'15		direct	1421 Mar 05 j 12:05	1°♄56'18	
direct	1420 Mar 23 j 05:03	20°♄23'03		desc. node	1421 Mar 09 j 19:28	2°♄47'30	
morning max el	1420 Apr 06 j 12:58	28°♄08'24	27°15'10	morning max el	1421 Mar 19 j 15:50	9°♄49'42	27°46'56
	1420 Apr 08 j 08:33	0°♄			1421 Apr 04 j 07:24	0°♄	
	1420 Apr 28 j 22:17	0°♄			1421 Apr 21 j 01:39	0°♄	
morning set	1420 May 07 j 10:07	16°♄36'06		morning set	1421 Apr 21 j 14:50	1°♄07'14	
asc. node	1420 May 11 j 05:29	24°♄42'49		max. Earth dist.	1421 Apr 27 j 13:18	13°♄40'56	1.32424 AU
	1420 May 13 j 15:33	0°♄		asc. node	1421 Apr 28 j 02:30	14°♄52'43	
max. Earth dist.	1420 May 14 j 02:27	0°♄59'50	1.32223 AU				
				superior conj	1421 Apr 28 j 23:22	16°♄46'22	0°09'11
superior conj	1420 May 14 j 12:46	1°♄56'38	0°34'20	minimum elong	1421 Apr 28 j 22:56	16°♄44'03	0°09'06
minimum elong	1420 May 14 j 11:19	1°♄48'34	0°34'02	behind sun begin	1421 Apr 28 j 18:44	16°♄21'05	
evening rise	1420 May 21 j 09:44	16°♄52'28		behind sun end	1421 Apr 29 j 03:09	17°♄07'02	
	1420 May 27 j 22:31	0°♄			1421 May 05 j 01:16	0°♄	
	1420 Jun 17 j 02:19	0°♄		evening rise	1421 May 05 j 21:07	1°♄45'45	
desc. node	1420 Jun 18 j 21:44	1°♄48'46			1421 May 21 j 06:43	0°♄	
evening max el	1420 Jun 18 j 22:48	1°♄51'19	26°06'21	evening max el	1421 May 31 j 15:03	12°♄46'27	24°44'26
retrograde	1420 Jul 02 j 22:58	9°♄02'17		desc. node	1421 Jun 05 j 18:44	16°♄55'49	
evening set	1420 Jul 09 j 06:39	7°♄25'10		retrograde	1421 Jun 14 j 13:43	19°♄50'31	
min. Earth dist.	1420 Jul 13 j 11:27	4°♄48'09	0.59076 AU	evening set	1421 Jun 19 j 15:44	18°♄51'57	
inferior conj	1420 Jul 16 j 18:49	2°♄19'08	-4°51'49	min. Earth dist.	1421 Jun 25 j 02:16	16°♄01'27	0.57136 AU
minimum elong	1420 Jul 16 j 20:44	2°♄15'31	4°51'43	inferior conj	1421 Jun 27 j 23:45	14°♄08'08	-4°47'47
	1420 Jul 20 j 00:49	30°♄		minimum elong	1421 Jun 27 j 20:45	14°♄13'04	4°47'32
morning rise	1420 Jul 24 j 12:58	27°♄50'42		morning rise	1421 Jul 06 j 04:29	10°♄01'17	
direct	1420 Jul 27 j 00:39	27°♄29'43		direct	1421 Jul 08 j 19:08	9°♄42'08	
	1420 Aug 02 j 11:06	0°♄		morning max el	1421 Jul 17 j 22:53	13°♄58'07	19°18'43
morning max el	1420 Aug 03 j 22:54	1°♄17'32	18°29'07	asc. node	1421 Jul 25 j 01:46	22°♄58'38	
asc. node	1420 Aug 07 j 04:42	4°♄56'48			1421 Jul 29 j 04:46	0°♄	
morning set	1420 Aug 20 j 01:58	26°♄59'15		morning set	1421 Aug 04 j 01:38	11°♄17'54	
	1420 Aug 21 j 15:29	0°♄					
				superior conj	1421 Aug 12 j 05:21	27°♄30'29	1°45'14
superior conj	1420 Aug 29 j 01:18	14°♄04'59	1°36'41	minimum elong	1421 Aug 12 j 06:15	27°♄34'52	1°45'13
minimum elong	1420 Aug 29 j 04:11	14°♄18'20	1°36'29		1421 Aug 13 j 12:13	0°♄	
max. Earth dist.	1420 Sep 05 j 10:50	27°♄22'20	1.40149 AU	max. Earth dist.	1421 Aug 18 j 14:25	9°♄34'16	1.38105 AU
	1420 Sep 06 j 23:26	0°♄		evening rise	1421 Aug 22 j 08:59	16°♄20'18	
evening rise	1420 Sep 09 j 18:27	4°♄42'59			1421 Aug 30 j 12:04	0°♄	
desc. node	1420 Sep 14 j 21:04	13°♄02'29		desc. node	1421 Sep 01 j 18:06	3°♄34'33	
	1420 Sep 26 j 01:07	0°♄			1421 Sep 20 j 13:45	0°♄	
evening max el	1420 Oct 14 j 14:01	23°♄35'46	23°41'03	evening max el	1421 Sep 27 j 02:01	7°♄12'46	24°58'44
retrograde	1420 Oct 25 j 06:54	29°♄54'32		retrograde	1421 Oct 08 j 19:42	14°♄01'34	
evening set	1420 Oct 30 j 09:20	27°♄47'18		evening set	1421 Oct 14 j 12:26	11°♄37'49	
asc. node	1420 Nov 03 j 03:53	23°♄35'23		min. Earth dist.	1421 Oct 19 j 01:12	6°♄31'00	0.67309 AU
inferior conj	1420 Nov 04 j 18:45	21°♄24'15	0°33'18	inferior conj	1421 Oct 20 j 00:08	5°♄15'32	-0°21'25
minimum elong	1420 Nov 04 j 17:58	21°♄26'56	0°32'58	minimum elong	1421 Oct 20 j 00:41	5°♄13'46	0°21'10
min. Earth dist.	1420 Nov 04 j 06:27	22°♄06'14	0.67709 AU	asc. node	1421 Oct 21 j 00:57	3°♄54'42	
morning rise	1420 Nov 10 j 02:34	15°♄17'26			1421 Oct 24 j 13:56	30°♄	
direct	1420 Nov 14 j 04:21	13°♄44'06		morning rise	1421 Oct 25 j 13:04	29°♄15'19	
morning max el	1420 Nov 22 j 11:43	18°♄33'19	20°56'01	direct	1421 Oct 29 j 02:24	28°♄02'26	
	1420 Dec 01 j 19:09	0°♄			1421 Nov 02 j 23:18	0°♄	
desc. node	1420 Dec 11 j 20:18	14°♄30'17		morning max el	1421 Nov 05 j 12:58	2°♄16'28	19°47'20
	1420 Dec 21 j 23:58	0°♄			1421 Nov 25 j 12:44	0°♄	
morning set	1420 Dec 22 j 08:46	0°♄34'21		desc. node	1421 Nov 28 j 17:21	4°♄53'37	
max. Earth dist.	1420 Dec 30 j 16:19	13°♄49'16	1.42758 AU	morning set	1421 Dec 01 j 05:02	8°♄43'40	
				max. Earth dist.	1421 Dec 13 j 03:38	27°♄25'17	1.44197 AU
superior conj	1421 Jan 06 j 15:06	25°♄21'28	-2°02'46		1421 Dec 14 j 18:26	0°♄	





























































































































superior conj	1421 Dec 17 j 20:18	4° $\text{Z}$ 56'56	-1°46'42	minimum elong	1422 Nov 26 j 19:12	13° $\text{Z}$ 03'58	1°11'02
minimum elong	1421 Dec 17 j 13:03	4° $\text{Z}$ 27'38	1°46'10		1422 Dec 07 j 11:17	0° $\text{Z}$	
evening rise	1421 Dec 31 j 09:09	27° $\text{Z}$ 25'52		evening rise	1422 Dec 12 j 11:21	8° $\text{Z}$ 03'48	
	1422 Jan 01 j 21:24	0° $\approx$			1422 Dec 26 j 05:37	0° $\approx$	
asc. node	1422 Jan 17 j 00:13	23° $\approx$ 45'01		evening max el	1423 Jan 02 j 06:08	9° $\approx$ 07'32	18°43'08
evening max el	1422 Jan 18 j 18:40	25° $\approx$ 42'32	18°16'09	asc. node	1423 Jan 03 j 21:17	10° $\approx$ 38'23	
retrograde	1422 Jan 25 j 05:58	29° $\approx$ 11'09		retrograde	1423 Jan 08 j 22:36	12° $\approx$ 51'34	
evening set	1422 Jan 28 j 04:14	28° $\approx$ 25'47		evening set	1423 Jan 12 j 02:31	11° $\approx$ 54'42	
inferior conj	1422 Feb 03 j 05:39	23° $\approx$ 04'27	3°44'57	inferior conj	1423 Jan 17 j 20:21	6° $\approx$ 15'41	3°32'42
minimum elong	1422 Feb 03 j 05:06	23° $\approx$ 06'00	3°44'56	minimum elong	1423 Jan 17 j 18:28	6° $\approx$ 21'27	3°32'28
min. Earth dist.	1422 Feb 05 j 17:21	20° $\approx$ 19'31	0.63472 AU	min. Earth dist.	1423 Jan 19 j 16:35	4° $\approx$ 01'29	0.65111 AU
morning rise	1422 Feb 09 j 05:09	17° $\approx$ 00'38		morning rise	1423 Jan 23 j 09:59	0° $\approx$ 06'24	
direct	1422 Feb 16 j 03:51	14° $\approx$ 15'30			1423 Jan 23 j 12:58	30° $\text{R}$ $\text{Z}$	
desc. node	1422 Feb 24 j 16:31	17° $\approx$ 35'20		direct	1423 Jan 30 j 02:53	27° $\text{Z}$ 14'10	
morning max el	1422 Mar 01 j 23:31	22° $\approx$ 10'08	27°41'23		1423 Feb 06 j 13:04	0° $\approx$	
	1422 Mar 08 j 20:59	0° $\text{H}$		desc. node	1423 Feb 11 j 13:34	4° $\approx$ 11'15	
	1422 Mar 28 j 11:20	0° $\text{Y}$		morning max el	1423 Feb 12 j 09:10	4° $\approx$ 59'35	27°02'07
morning set	1422 Apr 05 j 12:56	15° $\text{Y}$ 15'01			1423 Mar 03 j 11:02	0° $\text{H}$	
max. Earth dist.	1422 Apr 10 j 18:17	25° $\text{Y}$ 59'22	1.33028 AU	morning set	1423 Mar 20 j 01:24	28° $\text{H}$ 49'56	
	1422 Apr 12 j 15:33	0° $\text{B}$			1423 Mar 20 j 15:53	0° $\text{Y}$	
				max. Earth dist.	1423 Mar 24 j 13:36	7° $\text{Y}$ 45'04	1.34076 AU
superior conj	1422 Apr 13 j 06:58	1° $\text{B}$ 22'41	-0°17'45				
minimum elong	1422 Apr 13 j 07:50	1° $\text{B}$ 27'21	0°17'35	superior conj	1423 Mar 28 j 09:37	15° $\text{Y}$ 39'29	-0°45'24
asc. node	1422 Apr 14 j 23:32	5° $\text{B}$ 01'09		minimum elong	1423 Mar 28 j 11:53	15° $\text{Y}$ 51'20	0°44'58
evening rise	1422 Apr 20 j 08:53	16° $\text{B}$ 35'37		asc. node	1423 Apr 01 j 20:35	25° $\text{Y}$ 04'12	
	1422 Apr 27 j 01:09	0° $\text{II}$			1423 Apr 04 j 04:40	0° $\text{B}$	
evening max el	1422 May 13 j 04:59	23° $\text{II}$ 17'35	23°09'28	evening rise	1423 Apr 04 j 19:14	1° $\text{B}$ 16'10	
desc. node	1422 May 23 j 15:46	29° $\text{II}$ 40'01			1423 Apr 21 j 10:06	0° $\text{II}$	
	1422 May 26 j 01:41	0° $\text{B}$		evening max el	1423 Apr 25 j 00:11	3° $\text{II}$ 56'37	21°36'24
retrograde	1422 May 26 j 16:19	0° $\text{B}$ 00'51		retrograde	1423 May 07 j 07:48	9° $\text{II}$ 58'11	
	1422 May 27 j 07:00	30° $\text{R}$ $\text{II}$		evening set	1423 May 09 j 18:56	9° $\text{II}$ 44'28	
evening set	1422 May 30 j 06:27	29° $\text{II}$ 32'35		desc. node	1423 May 10 j 12:47	9° $\text{II}$ 35'10	
min. Earth dist.	1422 Jun 06 j 14:32	26° $\text{II}$ 14'23	0.55653 AU	inferior conj	1423 May 19 j 04:52	5° $\text{II}$ 43'02	-2°26'46
inferior conj	1422 Jun 08 j 08:59	25° $\text{II}$ 12'19	-4°00'16	minimum elong	1423 May 18 j 22:19	5° $\text{II}$ 52'13	2°24'37
minimum elong	1422 Jun 08 j 01:42	25° $\text{II}$ 23'01	3°58'40	min. Earth dist.	1423 May 19 j 02:49	5° $\text{II}$ 45'55	0.54957 AU
morning rise	1422 Jun 16 j 23:33	21° $\text{II}$ 18'40		morning rise	1423 May 28 j 02:31	1° $\text{II}$ 46'28	
direct	1422 Jun 19 j 18:26	21° $\text{II}$ 00'02		direct	1423 May 31 j 05:49	1° $\text{II}$ 24'53	
morning max el	1422 Jun 30 j 12:08	25° $\text{II}$ 58'16	20°29'23	morning max el	1423 Jun 12 j 14:05	7° $\text{II}$ 14'31	21°58'32
	1422 Jul 04 j 05:39	0° $\text{B}$			1423 Jun 28 j 08:17	0° $\text{B}$	
asc. node	1422 Jul 11 j 22:49	11° $\text{B}$ 41'27		asc. node	1423 Jun 28 j 19:51	0° $\text{B}$ 55'18	
morning set	1422 Jul 19 j 07:21	25° $\text{B}$ 54'50		morning set	1423 Jul 03 j 16:51	10° $\text{B}$ 43'55	
	1422 Jul 21 j 07:01	0° $\text{Q}$					
superior conj	1422 Jul 26 j 21:46	11° $\text{Q}$ 33'19	1°45'10	superior conj	1423 Jul 10 j 22:47	26° $\text{B}$ 02'10	1°38'10
minimum elong	1422 Jul 26 j 21:01	11° $\text{Q}$ 29'30	1°45'08	minimum elong	1423 Jul 10 j 20:56	25° $\text{B}$ 52'27	1°38'01
max. Earth dist.	1422 Jul 31 j 20:41	21° $\text{Q}$ 24'03	1.36213 AU		1423 Jul 12 j 20:22	0° $\text{Q}$	
evening rise	1422 Aug 04 j 20:45	28° $\text{Q}$ 58'37		max. Earth dist.	1423 Jul 14 j 11:11	3° $\text{Q}$ 19'31	1.34645 AU
	1422 Aug 05 j 10:05	0° $\text{H}$		evening rise	1423 Jul 19 j 01:04	12° $\text{Q}$ 25'30	
desc. node	1422 Aug 19 j 15:08	23° $\text{H}$ 52'14			1423 Jul 28 j 18:21	0° $\text{H}$	
	1422 Aug 23 j 17:56	0° $\text{B}$		desc. node	1423 Aug 06 j 12:10	13° $\text{H}$ 48'31	
evening max el	1422 Sep 09 j 13:50	20° $\text{B}$ 51'29	26°06'52		1423 Aug 18 j 20:43	0° $\text{B}$	
retrograde	1422 Sep 22 j 03:51	27° $\text{B}$ 59'53		evening max el	1423 Aug 23 j 02:06	4° $\text{B}$ 25'07	26°57'37
evening set	1422 Sep 28 j 10:37	25° $\text{B}$ 23'02		retrograde	1423 Sep 05 j 06:32	11° $\text{B}$ 42'07	
min. Earth dist.	1422 Oct 02 j 15:49	20° $\text{B}$ 52'03	0.66569 AU	evening set	1423 Sep 12 j 01:35	8° $\text{B}$ 58'21	
inferior conj	1422 Oct 04 j 01:57	19° $\text{B}$ 05'51	-1°18'31	min. Earth dist.	1423 Sep 15 j 23:52	5° $\text{B}$ 03'59	0.65484 AU
minimum elong	1422 Oct 04 j 04:00	18° $\text{B}$ 59'28	1°17'39	inferior conj	1423 Sep 17 j 22:05	2° $\text{B}$ 50'46	-2°16'16
asc. node	1422 Oct 07 j 22:00	14° $\text{B}$ 46'23		minimum elong	1423 Sep 18 j 01:40	2° $\text{B}$ 40'26	2°14'54
morning rise	1422 Oct 09 j 21:47	13° $\text{B}$ 14'58			1423 Sep 20 j 12:15	30° $\text{R}$ $\text{H}$	
direct	1422 Oct 13 j 00:49	12° $\text{B}$ 19'02		morning rise	1423 Sep 24 j 02:26	27° $\text{H}$ 12'15	
morning max el	1422 Oct 19 j 21:21	16° $\text{B}$ 08'07	18°53'31	asc. node	1423 Sep 24 j 19:04	26° $\text{H}$ 53'45	
	1422 Oct 30 j 07:09	0° $\text{H}$		direct	1423 Sep 26 j 21:33	26° $\text{H}$ 29'27	
morning set	1422 Nov 10 j 16:22	17° $\text{H}$ 44'44			1423 Oct 03 j 09:39	0° $\text{B}$	
desc. node	1422 Nov 15 j 14:24	25° $\text{H}$ 28'43		morning max el	1423 Oct 03 j 10:47	0° $\text{B}$ 02'49	18°15'58
	1422 Nov 18 j 11:31	0° $\text{Z}$		morning set	1423 Oct 22 j 07:58	28° $\text{B}$ 11'09	
max. Earth dist.	1422 Nov 25 j 20:07	11° $\text{Z}$ 33'11	1.44990 AU		1423 Oct 23 j 10:38	0° $\text{H}$	
				desc. node	1423 Nov 02 j 11:27	16° $\text{H}$ 11'05	
superior conj	1422 Nov 27 j 03:30	13° $\text{Z}$ 36'35	-1°11'59	superior conj	1423 Nov 06 j 05:21	22° $\text{H}$ 07'34	-0°24'48

minimum elong	1423 Nov 06 j 02:08	21° $\mathbb{M}$ 54'51	0°24'22	max. Earth dist.	1424 Oct 21 j 09:27	10° $\mathbb{M}$ 13'14	1.44388 AU
max. Earth dist.	1423 Nov 08 j 15:06	25° $\mathbb{M}$ 55'10	1.45054 AU	evening rise	1424 Nov 01 j 01:08	26° $\mathbb{M}$ 52'34	
	1423 Nov 11 j 05:28	0° $\mathbb{M}$			1424 Nov 03 j 01:57	0° $\mathbb{M}$	
evening rise	1423 Nov 22 j 14:23	17° $\mathbb{M}$ 46'08			1424 Nov 23 j 13:49	0° $\mathbb{M}$	
	1423 Nov 30 j 10:52	0° $\mathbb{M}$		evening max el	1424 Nov 28 j 17:23	6° $\mathbb{M}$ 05'35	20°25'56
greatest brilliancy	1423 Dec 04 j 05:49	5° $\mathbb{M}$ 49'45	-0.7m	retrograde	1424 Dec 06 j 16:54	10° $\mathbb{M}$ 47'41	
evening max el	1423 Dec 16 j 14:16	22° $\mathbb{M}$ 35'58	19°27'05	asc. node	1424 Dec 07 j 15:22	10° $\mathbb{M}$ 42'45	
asc. node	1423 Dec 21 j 18:20	26° $\mathbb{M}$ 22'22		evening set	1424 Dec 10 j 12:30	9° $\mathbb{M}$ 23'24	
retrograde	1423 Dec 23 j 19:05	26° $\mathbb{M}$ 45'03		inferior conj	1424 Dec 15 j 22:15	3° $\mathbb{M}$ 16'18	2°33'16
evening set	1423 Dec 27 j 05:59	25° $\mathbb{M}$ 35'15		minimum elong	1424 Dec 15 j 19:37	3° $\mathbb{M}$ 25'17	2°32'27
inferior conj	1424 Jan 01 j 18:46	19° $\mathbb{M}$ 40'49	3°07'47	min. Earth dist.	1424 Dec 16 j 14:29	2° $\mathbb{M}$ 21'17	0.67198 AU
minimum elong	1424 Jan 01 j 16:12	19° $\mathbb{M}$ 49'09	3°07'13		1424 Dec 18 j 09:34	30° $\mathbb{R}$ $\mathbb{M}$	
min. Earth dist.	1424 Jan 03 j 00:13	18° $\mathbb{M}$ 05'10	0.66357 AU	morning rise	1424 Dec 21 j 02:33	27° $\mathbb{M}$ 03'08	
morning rise	1424 Jan 07 j 02:10	13° $\mathbb{M}$ 28'42		direct	1424 Dec 26 j 18:01	24° $\mathbb{M}$ 33'11	
direct	1424 Jan 13 j 07:51	10° $\mathbb{M}$ 42'49			1425 Jan 05 j 18:07	0° $\mathbb{M}$	
morning max el	1424 Jan 25 j 18:26	18° $\mathbb{M}$ 05'32	25°56'46	morning max el	1425 Jan 07 j 02:54	1° $\mathbb{M}$ 19'54	24°34'58
desc. node	1424 Jan 29 j 10:37	22° $\mathbb{M}$ 04'15		desc. node	1425 Jan 15 j 07:40	10° $\mathbb{M}$ 52'10	
	1424 Feb 04 j 19:24	0° $\mathbb{M}$			1425 Jan 28 j 19:55	0° $\mathbb{M}$	
	1424 Feb 24 j 10:55	0° $\mathbb{M}$		morning set	1425 Feb 12 j 03:30	23° $\mathbb{M}$ 28'20	
morning set	1424 Mar 02 j 00:03	11° $\mathbb{M}$ 39'22			1425 Feb 15 j 19:02	0° $\mathbb{M}$	
max. Earth dist.	1424 Mar 05 j 21:12	18° $\mathbb{M}$ 58'43	1.35583 AU	max. Earth dist.	1425 Feb 15 j 19:25	0° $\mathbb{M}$ 01'45	1.37489 AU
superior conj	1424 Mar 11 j 04:46	29° $\mathbb{M}$ 29'11	-1°12'22	superior conj	1425 Feb 22 j 13:13	12° $\mathbb{M}$ 42'57	-1°36'35
minimum elong	1424 Mar 11 j 08:17	29° $\mathbb{M}$ 46'57	1°11'47	minimum elong	1425 Feb 22 j 17:23	13° $\mathbb{M}$ 03'09	1°36'04
	1424 Mar 11 j 10:51	0° $\mathbb{M}$		evening rise	1425 Mar 03 j 03:17	29° $\mathbb{M}$ 43'05	
asc. node	1424 Mar 18 j 17:38	14° $\mathbb{M}$ 57'24			1425 Mar 03 j 06:41	0° $\mathbb{M}$	
evening rise	1424 Mar 19 j 02:08	15° $\mathbb{M}$ 40'54		asc. node	1425 Mar 05 j 14:40	4° $\mathbb{M}$ 35'46	
	1424 Mar 26 j 11:13	0° $\mathbb{M}$		evening max el	1425 Mar 19 j 22:57	26° $\mathbb{M}$ 56'31	19°14'26
evening max el	1424 Apr 06 j 05:52	15° $\mathbb{M}$ 07'08	20°16'15		1425 Mar 24 j 00:52	0° $\mathbb{M}$	
retrograde	1424 Apr 16 j 21:24	20° $\mathbb{M}$ 15'47		retrograde	1425 Mar 28 j 22:26	1° $\mathbb{M}$ 16'54	
evening set	1424 Apr 18 j 22:49	20° $\mathbb{M}$ 05'04		evening set	1425 Mar 31 j 01:42	1° $\mathbb{M}$ 03'13	
desc. node	1424 Apr 26 j 09:47	17° $\mathbb{M}$ 03'06			1425 Apr 03 j 03:37	30° $\mathbb{R}$ $\mathbb{M}$	
inferior conj	1424 Apr 28 j 00:28	16° $\mathbb{M}$ 06'49	-0°28'05	inferior conj	1425 Apr 08 j 09:31	26° $\mathbb{M}$ 53'15	1°21'54
minimum elong	1424 Apr 27 j 23:09	16° $\mathbb{M}$ 08'45	0°27'35	minimum elong	1425 Apr 08 j 12:38	26° $\mathbb{M}$ 48'01	1°20'52
min. Earth dist.	1424 Apr 29 j 15:58	15° $\mathbb{M}$ 08'43	0.55212 AU	min. Earth dist.	1425 Apr 11 j 06:50	24° $\mathbb{M}$ 57'41	0.56370 AU
morning rise	1424 May 06 j 21:59	11° $\mathbb{M}$ 48'51		desc. node	1425 Apr 13 j 06:49	23° $\mathbb{M}$ 44'06	
direct	1424 May 10 j 18:02	11° $\mathbb{M}$ 16'54		morning rise	1425 Apr 16 j 20:40	22° $\mathbb{M}$ 01'45	
morning max el	1424 May 24 j 07:26	17° $\mathbb{M}$ 55'19	23°39'08	direct	1425 Apr 21 j 16:59	21° $\mathbb{M}$ 07'35	
	1424 Jun 03 j 04:01	0° $\mathbb{M}$		morning max el	1425 May 05 j 21:55	28° $\mathbb{M}$ 22'52	25°18'28
asc. node	1424 Jun 14 j 16:54	20° $\mathbb{M}$ 32'20			1425 May 07 j 12:41	0° $\mathbb{M}$	
morning set	1424 Jun 17 j 04:22	25° $\mathbb{M}$ 40'09			1425 May 27 j 10:33	0° $\mathbb{M}$	
	1424 Jun 19 j 05:17	0° $\mathbb{M}$		morning set	1425 Jun 01 j 16:11	10° $\mathbb{M}$ 36'59	
				asc. node	1425 Jun 01 j 13:56	10° $\mathbb{M}$ 25'09	
superior conj	1424 Jun 24 j 05:31	10° $\mathbb{M}$ 48'29	1°25'36	superior conj	1425 Jun 08 j 15:39	25° $\mathbb{M}$ 43'53	1°08'30
minimum elong	1424 Jun 24 j 03:08	10° $\mathbb{M}$ 35'42	1°25'18	minimum elong	1425 Jun 08 j 13:17	25° $\mathbb{M}$ 30'55	1°08'07
max. Earth dist.	1424 Jun 26 j 11:16	15° $\mathbb{M}$ 35'59	1.33465 AU	max. Earth dist.	1425 Jun 09 j 18:47	28° $\mathbb{M}$ 11'57	1.32679 AU
evening rise	1424 Jul 01 j 17:34	26° $\mathbb{M}$ 28'51			1425 Jun 10 j 14:41	0° $\mathbb{M}$	
	1424 Jul 03 j 12:13	0° $\mathbb{M}$		evening rise	1425 Jun 15 j 18:35	10° $\mathbb{M}$ 56'46	
	1424 Jul 21 j 02:30	0° $\mathbb{M}$			1425 Jun 25 j 18:10	0° $\mathbb{M}$	
desc. node	1424 Jul 23 j 09:10	3° $\mathbb{M}$ 14'28		desc. node	1425 Jul 10 j 06:09	21° $\mathbb{M}$ 56'33	
evening max el	1424 Aug 04 j 13:40	17° $\mathbb{M}$ 42'41	27°23'41		1425 Jul 17 j 09:45	0° $\mathbb{M}$	
retrograde	1424 Aug 18 j 03:12	25° $\mathbb{M}$ 00'48		evening max el	1425 Jul 17 j 22:05	0° $\mathbb{M}$ 29'39	27°19'23
evening set	1424 Aug 25 j 06:35	22° $\mathbb{M}$ 19'24		retrograde	1425 Jul 31 j 17:20	7° $\mathbb{M}$ 45'58	
min. Earth dist.	1424 Aug 28 j 23:05	18° $\mathbb{M}$ 59'51	0.64049 AU	evening set	1425 Aug 07 j 21:54	5° $\mathbb{M}$ 19'07	
inferior conj	1424 Aug 31 j 10:07	16° $\mathbb{M}$ 25'26	-3°12'04	min. Earth dist.	1425 Aug 11 j 11:55	2° $\mathbb{M}$ 27'36	0.62278 AU
minimum elong	1424 Aug 31 j 14:56	16° $\mathbb{M}$ 12'50	3°10'32	inferior conj	1425 Aug 14 j 11:04	29° $\mathbb{M}$ 41'58	-4°02'00
morning rise	1424 Sep 07 j 00:18	11° $\mathbb{M}$ 02'49		minimum elong	1425 Aug 14 j 16:14	29° $\mathbb{M}$ 29'55	4°00'48
direct	1424 Sep 09 j 14:03	10° $\mathbb{M}$ 29'34			1425 Aug 14 j 03:23	30° $\mathbb{R}$ $\mathbb{M}$	
asc. node	1424 Sep 10 j 16:07	10° $\mathbb{M}$ 35'34		morning rise	1425 Aug 21 j 12:00	24° $\mathbb{M}$ 38'42	
morning max el	1424 Sep 16 j 02:40	13° $\mathbb{M}$ 55'34	17°55'37	direct	1425 Aug 23 j 22:54	24° $\mathbb{M}$ 12'04	
	1424 Sep 27 j 06:48	0° $\mathbb{M}$		asc. node	1425 Aug 28 j 13:09	25° $\mathbb{M}$ 48'02	
morning set	1424 Oct 03 j 02:57	9° $\mathbb{M}$ 57'35		morning max el	1425 Aug 30 j 18:06	27° $\mathbb{M}$ 39'03	17°53'20
	1424 Oct 15 j 01:22	0° $\mathbb{M}$			1425 Sep 01 j 21:03	0° $\mathbb{M}$	
superior conj	1424 Oct 15 j 23:05	1° $\mathbb{M}$ 28'38	0°22'42	morning set	1425 Sep 15 j 19:16	22° $\mathbb{M}$ 44'47	
minimum elong	1424 Oct 16 j 01:34	1° $\mathbb{M}$ 38'46	0°22'20		1425 Sep 19 j 20:26	0° $\mathbb{M}$	
desc. node	1424 Oct 19 j 08:30	6° $\mathbb{M}$ 57'39					

superior conj	1425 Sep 26 j 19:23	12° <u>♌</u> 08'31	1°01'02	max. Earth dist.	1426 Sep 16 j 08:30	7° <u>♌</u> 23'02	1.41291 AU
minimum elong	1425 Sep 27 j 00:03	12° <u>♌</u> 28'26	1°00'27	evening rise	1426 Sep 21 j 11:36	15° <u>♌</u> 52'21	
max. Earth dist.	1425 Oct 03 j 23:52	24° <u>♌</u> 07'42	1.43074 AU	desc. node	1426 Sep 23 j 02:30	18° <u>♌</u> 29'01	
desc. node	1425 Oct 06 j 05:31	27° <u>♌</u> 44'42			1426 Sep 30 j 11:54	0° <u>♍</u>	
	1425 Oct 07 j 15:19	0° <u>♍</u>			1426 Oct 22 j 09:26	0° <u>♊</u>	
evening rise	1425 Oct 11 j 10:41	6° <u>♍</u> 00'26		evening max el	1426 Oct 25 j 06:56	3° <u>♊</u> 06'57	22°55'03
	1425 Oct 27 j 10:17	0° <u>♊</u>		retrograde	1426 Nov 04 j 08:52	9° <u>♊</u> 06'06	
evening max el	1425 Nov 11 j 14:44	19° <u>♊</u> 35'31	21°36'44	evening set	1426 Nov 09 j 03:22	7° <u>♊</u> 08'56	
retrograde	1425 Nov 20 j 14:04	24° <u>♊</u> 55'52		asc. node	1426 Nov 11 j 09:26	4° <u>♊</u> 51'53	
evening set	1425 Nov 24 j 20:12	23° <u>♊</u> 15'39		min. Earth dist.	1426 Nov 14 j 05:46	1° <u>♊</u> 08'41	0.67778 AU
asc. node	1425 Nov 24 j 12:23	23° <u>♊</u> 30'35		inferior conj	1426 Nov 14 j 12:02	0° <u>♊</u> 47'04	1°03'09
inferior conj	1425 Nov 30 j 04:39	16° <u>♊</u> 59'16	1°51'13	minimum elong	1426 Nov 14 j 10:37	0° <u>♊</u> 51'57	1°02'34
minimum elong	1425 Nov 30 j 02:25	17° <u>♊</u> 07'00	1°50'22		1426 Nov 15 j 01:42	30° <u>♋</u>	
min. Earth dist.	1425 Nov 30 j 09:07	16° <u>♊</u> 43'47	0.67659 AU	morning rise	1426 Nov 19 j 17:45	24° <u>♋</u> 37'18	
morning rise	1425 Dec 05 j 08:30	10° <u>♊</u> 46'47		direct	1426 Nov 24 j 03:21	22° <u>♋</u> 51'13	
direct	1425 Dec 10 j 08:47	8° <u>♊</u> 37'59		morning max el	1426 Dec 03 j 01:47	28° <u>♋</u> 05'45	21°41'12
morning max el	1425 Dec 20 j 12:18	14° <u>♊</u> 39'36	23°06'48		1426 Dec 04 j 20:52	0° <u>♋</u>	
	1426 Jan 01 j 23:11	0° <u>♋</u>		desc. node	1426 Dec 20 j 01:45	20° <u>♋</u> 13'45	
desc. node	1426 Jan 02 j 04:44	0° <u>♋</u> 19'12			1426 Dec 26 j 15:09	0° <u>♋</u>	
	1426 Jan 21 j 19:08	0° <u>♋</u>		morning set	1427 Jan 04 j 02:12	13° <u>♋</u> 09'14	
morning set	1426 Jan 24 j 05:31	4° <u>♋</u> 01'02		max. Earth dist.	1427 Jan 10 j 13:44	23° <u>♋</u> 40'47	1.41691 AU
max. Earth dist.	1426 Jan 28 j 14:39	11° <u>♋</u> 27'27	1.39613 AU		1427 Jan 14 j 08:04	0° <u>♋</u>	
superior conj	1426 Feb 05 j 06:50	25° <u>♋</u> 10'17	-1°55'06	superior conj	1427 Jan 18 j 04:25	6° <u>♋</u> 37'52	-2°03'58
minimum elong	1426 Feb 05 j 10:20	25° <u>♋</u> 26'27	1°54'52	minimum elong	1427 Jan 18 j 05:04	6° <u>♋</u> 40'41	2°03'58
	1426 Feb 07 j 21:05	0° <u>♌</u>		evening rise	1427 Jan 29 j 00:10	26° <u>♋</u> 08'03	
evening rise	1426 Feb 14 j 19:50	13° <u>♌</u> 15'17			1427 Jan 31 j 02:43	0° <u>♌</u>	
asc. node	1426 Feb 20 j 11:42	23° <u>♌</u> 53'51		asc. node	1427 Feb 07 j 08:44	12° <u>♌</u> 44'01	
	1426 Feb 24 j 00:28	0° <u>♍</u>		evening max el	1427 Feb 14 j 10:27	22° <u>♌</u> 13'56	18°11'04
evening max el	1426 Mar 03 j 01:32	9° <u>♍</u> 21'53	18°32'43	retrograde	1427 Feb 21 j 07:06	25° <u>♌</u> 41'35	
retrograde	1426 Mar 10 j 17:51	13° <u>♍</u> 07'50		evening set	1427 Feb 23 j 21:31	25° <u>♌</u> 12'25	
evening set	1426 Mar 13 j 02:39	12° <u>♍</u> 47'33		inferior conj	1427 Mar 02 j 17:32	20° <u>♌</u> 22'58	3°26'43
inferior conj	1426 Mar 20 j 15:14	8° <u>♍</u> 18'56	2°41'11	minimum elong	1427 Mar 02 j 20:06	20° <u>♌</u> 17'05	3°26'21
minimum elong	1426 Mar 20 j 19:17	8° <u>♍</u> 10'59	2°40'11	min. Earth dist.	1427 Mar 06 j 01:17	17° <u>♌</u> 22'35	0.60295 AU
min. Earth dist.	1426 Mar 24 j 01:14	5° <u>♍</u> 39'22	0.58180 AU	morning rise	1427 Mar 09 j 16:37	14° <u>♌</u> 37'41	
morning rise	1426 Mar 28 j 08:58	2° <u>♍</u> 55'37		direct	1427 Mar 16 j 07:50	12° <u>♌</u> 32'16	
desc. node	1426 Mar 31 j 03:51	1° <u>♍</u> 52'00		desc. node	1427 Mar 18 j 00:54	12° <u>♌</u> 40'16	
direct	1426 Apr 03 j 06:14	1° <u>♍</u> 27'19		morning max el	1427 Mar 30 j 14:29	20° <u>♌</u> 22'36	27°33'05
morning max el	1426 Apr 17 j 15:20	9° <u>♍</u> 05'43	26°40'46		1427 Apr 07 j 21:10	0° <u>♍</u>	
	1426 May 03 j 12:06	0° <u>♎</u>			1427 Apr 26 j 08:03	0° <u>♎</u>	
morning set	1426 May 17 j 02:40	25° <u>♎</u> 28'56		morning set	1427 May 01 j 10:03	10° <u>♎</u> 09'23	
asc. node	1426 May 19 j 10:59	0° <u>♏</u> 28'28		asc. node	1427 May 06 j 08:02	20° <u>♎</u> 37'09	
	1426 May 19 j 05:42	0° <u>♏</u>		max. Earth dist.	1427 May 07 j 18:29	23° <u>♎</u> 45'09	1.32260 AU
superior conj	1426 May 24 j 03:20	10° <u>♏</u> 42'04	0°47'43	superior conj	1427 May 08 j 14:49	25° <u>♎</u> 36'37	0°23'57
minimum elong	1426 May 24 j 01:25	10° <u>♏</u> 31'33	0°47'21	minimum elong	1427 May 08 j 13:45	25° <u>♎</u> 30'48	0°23'43
max. Earth dist.	1426 May 24 j 06:25	10° <u>♏</u> 59'04	1.32280 AU		1427 May 10 j 14:48	0° <u>♏</u>	
evening rise	1426 May 31 j 01:24	25° <u>♏</u> 40'36		evening rise	1427 May 15 j 11:41	10° <u>♏</u> 32'22	
	1426 Jun 02 j 03:34	0° <u>♐</u>			1427 May 25 j 11:10	0° <u>♐</u>	
	1426 Jun 19 j 11:21	0° <u>♑</u>		evening max el	1427 Jun 11 j 20:52	23° <u>♐</u> 54'10	25°34'03
desc. node	1426 Jun 27 j 03:08	9° <u>♑</u> 36'36		desc. node	1427 Jun 14 j 00:09	25° <u>♐</u> 49'02	
evening max el	1426 Jun 30 j 00:54	12° <u>♑</u> 34'46	26°42'01		1427 Jun 20 j 16:39	0° <u>♑</u>	
retrograde	1426 Jul 14 j 00:08	19° <u>♑</u> 48'44		retrograde	1427 Jun 25 j 21:37	1° <u>♑</u> 03'32	
evening set	1426 Jul 20 j 19:06	17° <u>♑</u> 50'13			1427 Jul 01 j 01:58	30° <u>♑</u>	
min. Earth dist.	1426 Jul 24 j 14:35	15° <u>♑</u> 12'57	0.60266 AU	evening set	1427 Jul 01 j 17:47	29° <u>♑</u> 43'14	
inferior conj	1426 Jul 27 j 21:32	12° <u>♑</u> 31'56	-4°39'37	min. Earth dist.	1427 Jul 06 j 09:04	27° <u>♑</u> 02'12	0.58214 AU
minimum elong	1426 Jul 28 j 01:19	12° <u>♑</u> 24'10	4°39'08	inferior conj	1427 Jul 09 j 14:02	24° <u>♑</u> 46'04	-4°54'42
morning rise	1426 Aug 04 j 09:30	7° <u>♑</u> 50'40		minimum elong	1427 Jul 09 j 14:02	24° <u>♑</u> 46'04	4°54'41
direct	1426 Aug 06 j 20:05	7° <u>♑</u> 28'16		morning rise	1427 Jul 17 j 12:44	20° <u>♑</u> 27'10	
morning max el	1426 Aug 14 j 06:00	11° <u>♑</u> 05'32	18°10'13	direct	1427 Jul 20 j 01:19	20° <u>♑</u> 07'12	
asc. node	1426 Aug 15 j 10:13	12° <u>♑</u> 18'16		morning max el	1427 Jul 28 j 11:12	24° <u>♑</u> 05'52	18°47'35
	1426 Aug 26 j 18:27	0° <u>♒</u>		asc. node	1427 Aug 02 j 07:16	29° <u>♑</u> 51'02	
morning set	1426 Aug 30 j 03:10	6° <u>♒</u> 16'42			1427 Aug 02 j 09:47	0° <u>♒</u>	
				morning set	1427 Aug 13 j 22:10	20° <u>♒</u> 21'33	
superior conj	1426 Sep 08 j 17:30	24° <u>♒</u> 04'33	1°27'05		1427 Aug 18 j 20:25	0° <u>♒</u>	
minimum elong	1426 Sep 08 j 21:25	24° <u>♒</u> 22'11	1°26'43	superior conj	1427 Aug 22 j 12:16	7° <u>♒</u> 02'13	1°41'29
	1426 Sep 12 j 01:31	0° <u>♓</u>					





































































































































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max. Earth dist.	1427 Aug 29 j 12:49	19° $\mathbb{M}$ 56'09	1.39274 AU	morning set	1428 Jul 28 j 00:45	4° $\mathcal{O}$ 49'14	
evening rise	1427 Sep 02 j 12:23	26° $\mathbb{M}$ 51'32					
	1427 Sep 04 j 09:02	0° $\mathcal{O}$		superior conj	1428 Aug 04 j 22:06	20° $\mathcal{O}$ 45'10	1°46'09
desc. node	1427 Sep 09 j 23:31	9° $\mathcal{O}$ 07'12		minimum elong	1428 Aug 04 j 22:15	20° $\mathcal{O}$ 45'52	1°46'08
	1427 Sep 24 j 02:02	0° $\mathbb{M}$			1428 Aug 09 j 16:19	0° $\mathbb{M}$	
evening max el	1427 Oct 07 j 20:02	16° $\mathbb{M}$ 42'52	24°14'55	max. Earth dist.	1428 Aug 10 j 17:11	1° $\mathbb{M}$ 57'19	1.37273 AU
retrograde	1427 Oct 19 j 00:06	23° $\mathbb{M}$ 15'40		evening rise	1428 Aug 14 j 12:32	8° $\mathbb{M}$ 56'35	
evening set	1427 Oct 24 j 08:26	21° $\mathbb{M}$ 01'28		desc. node	1428 Aug 26 j 20:32	29° $\mathbb{M}$ 34'09	
min. Earth dist.	1427 Oct 29 j 01:57	15° $\mathbb{M}$ 34'31	0.67574 AU		1428 Aug 27 j 03:12	0° $\mathcal{O}$	
asc. node	1427 Oct 29 j 06:29	15° $\mathbb{M}$ 19'17			1428 Sep 18 j 23:04	0° $\mathbb{M}$	
inferior conj	1427 Oct 29 j 18:40	14° $\mathbb{M}$ 38'14	0°10'30	evening max el	1428 Sep 19 j 08:00	0° $\mathbb{M}$ 22'01	25°29'24
minimum elong	1427 Oct 29 j 18:24	14° $\mathbb{M}$ 39'06	0°10'24	retrograde	1428 Oct 01 j 10:49	7° $\mathbb{M}$ 19'41	
transit middle	1427 Oct 29 j 18:24	14° $\mathbb{M}$ 39'06	0°10'24	evening set	1428 Oct 07 j 09:38	4° $\mathbb{M}$ 50'00	
transit begin	1427 Oct 29 j 16:18	14° $\mathbb{M}$ 46'11			1428 Oct 11 j 18:41	30° $\mathbb{R}$ $\mathcal{O}$	
transit end	1427 Oct 29 j 20:30	14° $\mathbb{M}$ 32'01		min. Earth dist.	1428 Oct 11 j 19:14	29° $\mathcal{O}$ 58'15	0.67041 AU
morning rise	1427 Nov 04 j 04:23	8° $\mathbb{M}$ 33'38		inferior conj	1428 Oct 12 j 22:45	28° $\mathcal{O}$ 29'38	-0°45'25
direct	1427 Nov 08 j 00:40	7° $\mathbb{M}$ 09'13		minimum elong	1428 Oct 12 j 23:55	28° $\mathcal{O}$ 25'53	0°44'55
morning max el	1427 Nov 15 j 22:21	11° $\mathbb{M}$ 42'24	20°25'04	asc. node	1428 Oct 15 j 03:32	25° $\mathcal{O}$ 45'43	
	1427 Nov 29 j 22:08	0° $\mathcal{O}$		morning rise	1428 Oct 18 j 14:24	22° $\mathcal{O}$ 32'58	
desc. node	1427 Dec 06 j 22:48	10° $\mathcal{O}$ 28'33		direct	1428 Oct 21 j 23:11	21° $\mathcal{O}$ 27'34	
morning set	1427 Dec 14 j 01:06	21° $\mathcal{O}$ 20'37		morning max el	1428 Oct 29 j 02:44	25° $\mathcal{O}$ 29'22	19°22'30
	1427 Dec 19 j 13:52	0° $\mathcal{O}$			1428 Nov 02 j 00:26	0° $\mathbb{M}$	
max. Earth dist.	1427 Dec 23 j 20:45	6° $\mathcal{O}$ 50'07	1.43441 AU	morning set	1428 Nov 22 j 01:03	29° $\mathbb{M}$ 44'30	
					1428 Nov 22 j 05:02	0° $\mathcal{O}$	
superior conj	1427 Dec 30 j 01:03	16° $\mathcal{O}$ 55'28	-1°58'17	desc. node	1428 Nov 22 j 19:51	0° $\mathcal{O}$ 57'28	
minimum elong	1427 Dec 29 j 20:38	16° $\mathcal{O}$ 37'11	1°58'05	max. Earth dist.	1428 Dec 05 j 11:02	20° $\mathcal{O}$ 43'28	1.44627 AU
	1428 Jan 06 j 18:36	0° $\mathbb{M}$					
evening rise	1428 Jan 11 j 12:10	8° $\mathbb{M}$ 13'28		superior conj	1428 Dec 08 j 19:35	26° $\mathcal{O}$ 13'05	-1°34'06
	1428 Jan 24 j 13:20	0° $\mathcal{O}$		minimum elong	1428 Dec 08 j 11:04	25° $\mathcal{O}$ 29'11	1°33'18
asc. node	1428 Jan 25 j 05:47	0° $\mathcal{O}$ 57'40			1428 Dec 11 j 06:49	0° $\mathcal{O}$	
evening max el	1428 Jan 28 j 22:34	5° $\mathcal{O}$ 24'08	18°08'52	evening rise	1428 Dec 23 j 03:35	19° $\mathcal{O}$ 24'23	
retrograde	1428 Feb 04 j 10:23	8° $\mathcal{O}$ 48'20			1428 Dec 29 j 12:25	0° $\mathbb{M}$	
evening set	1428 Feb 07 j 05:54	8° $\mathcal{O}$ 09'00		asc. node	1429 Jan 11 j 02:49	18° $\mathbb{M}$ 23'55	
inferior conj	1428 Feb 13 j 13:04	2° $\mathcal{O}$ 58'55	3°44'27	evening max el	1429 Jan 11 j 10:58	18° $\mathbb{M}$ 44'58	18°25'29
minimum elong	1428 Feb 13 j 13:35	2° $\mathcal{O}$ 57'36	3°44'27	retrograde	1429 Jan 17 j 23:22	22° $\mathbb{M}$ 18'39	
	1428 Feb 16 j 10:21	30° $\mathbb{R}$ $\mathbb{M}$		evening set	1429 Jan 21 j 00:00	21° $\mathbb{M}$ 28'21	
min. Earth dist.	1428 Feb 16 j 09:17	0° $\mathcal{O}$ 02'38	0.62384 AU	inferior conj	1429 Jan 26 j 21:49	15° $\mathbb{M}$ 59'03	3°41'33
morning rise	1428 Feb 19 j 20:06	27° $\mathbb{M}$ 00'21		minimum elong	1429 Jan 26 j 20:37	16° $\mathbb{M}$ 02'32	3°41'28
direct	1428 Feb 26 j 18:58	24° $\mathbb{M}$ 25'56		min. Earth dist.	1429 Jan 29 j 02:51	13° $\mathbb{M}$ 26'09	0.64215 AU
desc. node	1428 Mar 03 j 21:58	26° $\mathbb{M}$ 09'37		morning rise	1429 Feb 01 j 16:40	9° $\mathbb{M}$ 52'43	
	1428 Mar 09 j 07:20	0° $\mathcal{O}$		direct	1429 Feb 08 j 13:44	7° $\mathbb{M}$ 03'05	
morning max el	1428 Mar 11 j 19:26	2° $\mathcal{O}$ 20'23	27°48'55	desc. node	1429 Feb 18 j 19:02	11° $\mathbb{M}$ 47'42	
	1428 Apr 01 j 05:06	0° $\mathcal{O}$		morning max el	1429 Feb 22 j 04:14	14° $\mathbb{M}$ 54'23	27°28'32
morning set	1428 Apr 14 j 12:16	24° $\mathcal{O}$ 31'28			1429 Mar 06 j 12:12	0° $\mathcal{O}$	
	1428 Apr 17 j 04:02	0° $\mathcal{O}$			1429 Mar 24 j 20:47	0° $\mathcal{O}$	
max. Earth dist.	1428 Apr 20 j 03:14	6° $\mathcal{O}$ 17'46	1.32633 AU	morning set	1429 Mar 29 j 06:44	8° $\mathcal{O}$ 26'55	
				max. Earth dist.	1429 Apr 03 j 04:45	18° $\mathcal{O}$ 24'34	1.33419 AU
superior conj	1428 Apr 22 j 00:23	10° $\mathcal{O}$ 21'38	-0°02'05				
minimum elong	1428 Apr 22 j 00:29	10° $\mathcal{O}$ 22'09	0°02'04	superior conj	1429 Apr 06 j 06:11	24° $\mathcal{O}$ 50'56	-0°29'27
behind sun begin	1428 Apr 21 j 19:21	9° $\mathcal{O}$ 54'18		minimum elong	1429 Apr 06 j 07:38	24° $\mathcal{O}$ 58'41	0°29'09
behind sun end	1428 Apr 22 j 05:37	10° $\mathcal{O}$ 50'02			1429 Apr 08 j 16:01	0° $\mathcal{O}$	
asc. node	1428 Apr 22 j 05:06	10° $\mathcal{O}$ 47'13		asc. node	1429 Apr 09 j 02:07	0° $\mathcal{O}$ 54'11	
evening rise	1428 Apr 28 j 23:28	25° $\mathcal{O}$ 25'13		evening rise	1429 Apr 13 j 10:54	10° $\mathcal{O}$ 12'43	
	1428 May 01 j 04:03	0° $\mathbb{I}$			1429 Apr 23 j 18:17	0° $\mathbb{I}$	
	1428 May 19 j 05:43	0° $\mathcal{O}$		evening max el	1429 May 05 j 02:54	15° $\mathbb{I}$ 08'00	22°28'51
evening max el	1428 May 23 j 11:36	4° $\mathcal{O}$ 36'40	24°04'44	desc. node	1429 May 17 j 18:13	21° $\mathbb{I}$ 35'21	
desc. node	1428 May 30 j 21:11	10° $\mathcal{O}$ 00'10		retrograde	1429 May 18 j 04:05	21° $\mathbb{I}$ 35'44	
retrograde	1428 Jun 06 j 07:01	11° $\mathcal{O}$ 33'21		evening set	1429 May 21 j 05:10	21° $\mathbb{I}$ 15'18	
evening set	1428 Jun 10 j 17:40	10° $\mathcal{O}$ 49'37		min. Earth dist.	1429 May 29 j 10:14	17° $\mathbb{I}$ 42'01	0.55251 AU
min. Earth dist.	1428 Jun 16 j 22:29	7° $\mathcal{O}$ 48'49	0.56431 AU	inferior conj	1429 May 30 j 12:44	17° $\mathbb{I}$ 04'27	-3°25'37
inferior conj	1428 Jun 19 j 10:20	6° $\mathcal{O}$ 16'13	-4°33'31	minimum elong	1429 May 30 j 05:00	17° $\mathbb{I}$ 15'26	3°23'31
minimum elong	1428 Jun 19 j 05:09	6° $\mathcal{O}$ 24'18	4°32'48	morning rise	1429 Jun 08 j 06:55	13° $\mathbb{I}$ 12'15	
morning rise	1428 Jun 27 j 19:20	2° $\mathcal{O}$ 16'06		direct	1429 Jun 11 j 04:50	12° $\mathbb{I}$ 52'54	
direct	1428 Jun 30 j 11:42	1° $\mathcal{O}$ 57'16		morning max el	1429 Jun 22 j 15:04	18° $\mathbb{I}$ 11'42	21°05'18
morning max el	1428 Jul 10 j 06:44	6° $\mathcal{O}$ 29'51	19°46'14		1429 Jul 01 j 21:45	0° $\mathcal{O}$	
asc. node	1428 Jul 19 j 04:19	18° $\mathcal{O}$ 11'52		asc. node	1429 Jul 06 j 01:23	7° $\mathcal{O}$ 09'34	



morning set	1429 Jul 12 j 08:21	19°  32'55			1430 Jun 05 j 09:07	0° 	
	1429 Jul 17 j 08:39	0° 		asc. node	1430 Jun 22 j 22:25	26°  34'08	
					1430 Jun 24 j 15:28	0° 	
superior conj	1429 Jul 19 j 18:37	5°  00'56	1°42'56	morning set	1430 Jun 26 j 18:55	4°  25'49	
minimum elong	1429 Jul 19 j 17:20	4°  54'18	1°42'53				
max. Earth dist.	1429 Jul 24 j 02:52	13°  048'40	1.35506 AU	superior conj	1430 Jul 03 j 22:23	19°  38'29	1°33'26
evening rise	1429 Jul 28 j 07:56	21°  057'28		minimum elong	1430 Jul 03 j 20:15	19°  27'08	1°33'15
	1429 Aug 01 j 17:16	0° 		max. Earth dist.	1430 Jul 06 j 21:19	25°  51'25	1.34092 AU
desc. node	1429 Aug 13 j 17:33	19°  044'00			1430 Jul 08 j 21:40	0° 	
	1429 Aug 20 j 22:04	0° 		evening rise	1430 Jul 11 j 17:53	5°  041'08	
evening max el	1429 Sep 01 j 20:00	13°  059'37	26°30'53		1430 Jul 25 j 09:10	0° 	
retrograde	1429 Sep 14 j 16:31	21°  012'21		desc. node	1430 Jul 31 j 14:34	9°  028'52	
evening set	1429 Sep 21 j 05:02	18°  031'27		evening max el	1430 Aug 15 j 07:56	27°  027'13	27°11'57
min. Earth dist.	1429 Sep 25 j 07:10	14°  016'20	0.66160 AU		1430 Aug 18 j 04:46	0° 	
inferior conj	1429 Sep 26 j 22:24	12°  018'02	-1°43'03	retrograde	1430 Aug 28 j 16:52	4°  046'02	
minimum elong	1429 Sep 27 j 01:06	12°  009'50	1°41'57	evening set	1430 Sep 04 j 16:10	2°  001'35	
asc. node	1429 Oct 02 j 00:35	7°  005'36			1430 Sep 06 j 22:21	30°  000'00	
morning rise	1429 Oct 02 j 21:42	6°  032'16		min. Earth dist.	1430 Sep 08 j 11:37	28°  022'44	0.64919 AU
direct	1429 Oct 05 j 21:07	5°  042'21		inferior conj	1430 Sep 10 j 15:23	25°  059'13	-2°40'22
morning max el	1429 Oct 12 j 13:36	9°  023'15	18°35'30	minimum elong	1430 Sep 10 j 19:33	25°  047'39	2°38'53
	1429 Oct 27 j 03:10	0° 		morning rise	1430 Sep 16 j 23:49	20°  027'20	
morning set	1429 Nov 01 j 23:46	9°  020'46		asc. node	1430 Sep 18 j 21:38	19°  052'22	
desc. node	1429 Nov 09 j 16:52	21°  036'08		direct	1430 Sep 19 j 16:15	19°  049'09	
	1429 Nov 15 j 00:44	0° 		morning max el	1430 Sep 26 j 04:30	23°  018'27	18°05'09
					1430 Oct 01 j 12:35	0° 	
superior conj	1429 Nov 17 j 21:41	4°  030'54	-0°52'47	morning set	1430 Oct 14 j 03:34	20°  023'04	
minimum elong	1429 Nov 17 j 15:01	4°  004'43	0°51'57		1430 Oct 19 j 22:56	0° 	
max. Earth dist.	1429 Nov 18 j 05:19	5°  000'51	1.45111 AU	desc. node	1430 Oct 27 j 13:53	12°  020'51	
evening rise	1429 Dec 03 j 19:40	29°  037'49					
	1429 Dec 04 j 01:14	0° 		superior conj	1430 Oct 28 j 04:11	13°  017'57	-0°04'00
greatest brilliancy	1429 Dec 12 j 10:28	13°  019'22	-0.8m	minimum elong	1430 Oct 28 j 03:41	13°  015'56	0°03'56
	1429 Dec 23 j 22:11	0° 		behind sun begin	1430 Oct 27 j 17:14	12°  034'14	
evening max el	1429 Dec 25 j 21:08	2°  011'14	18°59'50	behind sun end	1430 Oct 28 j 14:07	13°  057'35	
asc. node	1429 Dec 28 j 23:51	4°  049'27		max. Earth dist.	1430 Nov 01 j 00:05	19°  022'30	1.44850 AU
retrograde	1430 Jan 01 j 18:04	6°  005'09			1430 Nov 07 j 18:50	0° 	
evening set	1430 Jan 05 j 00:46	5°  002'53		evening rise	1430 Nov 13 j 14:23	9°  001'23	
	1430 Jan 10 j 02:17	30°  000'00		greatest brilliancy	1430 Nov 27 j 01:33	29°  036'14	-0.7m
inferior conj	1430 Jan 10 j 16:08	29°  016'43	3°23'31		1430 Nov 27 j 07:57	0° 	
minimum elong	1430 Jan 10 j 13:53	29°  023'48	3°23'07	evening max el	1430 Dec 09 j 03:13	15°  040'21	19°50'28
min. Earth dist.	1430 Jan 12 j 05:50	27°  018'32	0.65684 AU	asc. node	1430 Dec 15 j 20:53	19°  059'48	
morning rise	1430 Jan 16 j 02:41	23°  005'50		retrograde	1430 Dec 16 j 15:30	20°  003'09	
direct	1430 Jan 22 j 15:08	20°  015'08		evening set	1430 Dec 20 j 05:46	18°  047'33	
morning max el	1430 Feb 04 j 14:07	27°  052'51	26°37'07	inferior conj	1430 Dec 25 j 17:01	12°  047'16	2°54'12
desc. node	1430 Feb 05 j 16:05	28°  059'38		minimum elong	1430 Dec 25 j 14:21	12°  056'08	2°53'30
	1430 Feb 06 j 14:38	0° 		min. Earth dist.	1430 Dec 26 j 16:41	11°  028'42	0.66756 AU
	1430 Feb 28 j 05:24	0° 		morning rise	1430 Dec 30 j 22:43	6°  034'14	
morning set	1430 Mar 12 j 13:52	21°  000'00		direct	1431 Jan 05 j 22:32	3°  054'06	
	1430 Mar 16 j 20:04	0° 		morning max el	1431 Jan 17 j 23:07	11°  003'58	25°23'23
max. Earth dist.	1430 Mar 16 j 19:25	29°  000'00	1.34658 AU	desc. node	1431 Jan 23 j 13:06	17°  018'37	
					1431 Feb 02 j 02:07	0° 	
superior conj	1430 Mar 21 j 05:55	8°  000'00	-0°57'02		1431 Feb 20 j 21:06	0° 	
minimum elong	1430 Mar 21 j 08:45	9°  011'23	0°56'31	morning set	1431 Feb 23 j 05:06	4°  000'00	
asc. node	1430 Mar 26 j 23:09	20°  000'00		max. Earth dist.	1431 Feb 26 j 22:14	11°  001'21	1.36348 AU
evening rise	1430 Mar 28 j 20:01	24°  000'00					
	1430 Mar 31 j 09:14	0° 		superior conj	1431 Mar 04 j 20:55	22°  000'00	-1°23'08
evening max el	1430 Apr 17 j 01:57	25°  000'00	21°00'17	minimum elong	1431 Mar 05 j 00:49	22°  000'00	1°22'33
	1430 Apr 22 j 11:22	0° 			1431 Mar 08 j 13:58	0° 	
retrograde	1430 Apr 28 j 17:40	1°  000'00		evening rise	1431 Mar 13 j 00:46	9°  000'00	
evening set	1430 Apr 30 j 22:33	1°  000'00		asc. node	1431 Mar 13 j 20:11	10°  000'00	
desc. node	1430 May 04 j 15:15	0° 			1431 Mar 24 j 12:44	0° 	
	1430 May 05 j 11:00	30°  000'00		evening max el	1431 Mar 30 j 12:35	7°  024'29	19°47'35
inferior conj	1430 May 10 j 06:37	27°  028'12	-1°37'34	retrograde	1431 Apr 09 j 10:39	12°  011'16	
minimum elong	1430 May 10 j 02:02	27°  034'42	1°35'56	evening set	1431 Apr 11 j 11:45	11°  059'59	
min. Earth dist.	1430 May 10 j 22:43	27°  005'23	0.54942 AU	inferior conj	1431 Apr 20 j 06:30	7°  058'26	0°21'25
morning rise	1430 May 19 j 05:25	23°  024'48		minimum elong	1431 Apr 20 j 07:26	7°  056'59	0°21'05
direct	1430 May 22 j 14:20	23°  000'16		desc. node	1431 Apr 21 j 12:16	7°  012'14	
morning max el	1430 Jun 04 j 12:59	29°  011'34	22°40'36	min. Earth dist.	1431 Apr 22 j 12:47	6°  034'40	0.55603 AU

morning rise	1431 Apr 29 j 00:43	3°♄26'23		direct	1432 Apr 13 j 11:51	12°♄46'30	
direct	1431 May 03 j 06:25	2°♄46'30		morning max el	1432 Apr 27 j 19:14	20°♄13'05	25°56'27
morning max el	1431 May 17 j 04:22	9°♄43'19	24°22'26		1432 May 06 j 04:10	0°♄	
	1431 Jun 01 j 06:00	0°♄			1432 May 23 j 16:33	0°♄	
asc. node	1431 Jun 09 j 19:27	16°♄18'14		morning set	1432 May 25 j 18:11	4°♄17'50	
morning set	1431 Jun 11 j 06:44	19°♄22'29		asc. node	1432 May 26 j 16:30	6°♄16'06	
	1431 Jun 16 j 05:15	0°♄					
superior conj	1431 Jun 18 j 06:49	4°♄29'23	1°18'51	superior conj	1432 Jun 01 j 17:50	19°♄26'52	1°00'07
minimum elong	1431 Jun 18 j 04:23	4°♄16'12	1°18'31	minimum elong	1432 Jun 01 j 15:37	19°♄14'38	0°59'43
max. Earth dist.	1431 Jun 20 j 00:37	8°♄15'12	1.33080 AU	max. Earth dist.	1432 Jun 02 j 10:21	20°♄57'23	1.32461 AU
evening rise	1431 Jun 25 j 14:23	19°♄55'58			1432 Jun 06 j 14:31	0°♄	
	1431 Jun 30 j 17:53	0°♄		evening rise	1432 Jun 08 j 18:13	4°♄32'08	
desc. node	1431 Jul 18 j 11:34	28°♄38'03			1432 Jun 22 j 10:36	0°♄	
	1431 Jul 19 j 12:16	0°♄		desc. node	1432 Jul 04 j 08:35	16°♄56'51	
evening max el	1431 Jul 28 j 18:25	10°♄33'13	27°25'51	evening max el	1432 Jul 10 j 01:04	23°♄05'02	27°07'41
retrograde	1431 Aug 11 j 11:06	17°♄51'27			1432 Jul 21 j 03:55	0°♄	
evening set	1431 Aug 18 j 15:52	15°♄14'40		retrograde	1432 Jul 23 j 22:18	0°♄19'51	
min. Earth dist.	1431 Aug 22 j 06:42	12°♄08'04	0.63327 AU		1432 Jul 26 j 15:13	30°♄♄	
inferior conj	1431 Aug 24 j 23:06	9°♄27'11	-3°34'20	evening set	1432 Jul 31 j 00:07	28°♄03'53	
minimum elong	1431 Aug 25 j 04:12	9°♄14'24	3°32'52	min. Earth dist.	1432 Aug 03 j 15:19	25°♄20'09	0.61439 AU
morning rise	1431 Aug 31 j 17:47	4°♄12'22		inferior conj	1432 Aug 06 j 18:25	22°♄34'32	-4°20'02
direct	1431 Sep 03 j 05:52	3°♄42'24		minimum elong	1432 Aug 06 j 23:15	22°♄23'48	4°19'05
asc. node	1431 Sep 05 j 18:41	4°♄13'43		morning rise	1432 Aug 13 j 24:00	17°♄40'01	
morning max el	1431 Sep 09 j 20:34	7°♄08'09	17°52'19	direct	1432 Aug 16 j 10:28	17°♄15'22	
	1431 Sep 24 j 20:23	0°♄		asc. node	1432 Aug 22 j 15:44	20°♄01'27	
morning set	1431 Sep 26 j 08:25	2°♄37'35		morning max el	1432 Aug 23 j 10:52	20°♄45'45	17°58'03
					1432 Aug 30 j 09:31	0°♄	
superior conj	1431 Oct 08 j 08:42	23°♄11'13	0°40'23	morning set	1432 Sep 08 j 08:09	15°♄46'42	
minimum elong	1431 Oct 08 j 12:35	23°♄27'20	0°39'52		1432 Sep 16 j 04:20	0°♄	
	1431 Oct 12 j 12:20	0°♄		superior conj	1432 Sep 18 j 16:34	4°♄25'27	1°13'35
desc. node	1431 Oct 14 j 10:53	3°♄07'57		minimum elong	1432 Sep 18 j 21:10	4°♄45'30	1°13'04
max. Earth dist.	1431 Oct 14 j 16:34	3°♄30'45	1.43897 AU	max. Earth dist.	1432 Sep 26 j 04:59	17°♄11'45	1.42369 AU
evening rise	1431 Oct 23 j 22:21	18°♄02'38		desc. node	1432 Sep 30 j 07:54	23°♄54'39	
	1431 Oct 31 j 18:47	0°♄		evening rise	1432 Oct 02 j 12:59	27°♄26'14	
evening max el	1431 Nov 22 j 03:55	29°♄10'11	20°54'55		1432 Oct 04 j 04:02	0°♄	
	1431 Nov 22 j 23:57	0°♄			1432 Oct 24 j 13:26	0°♄	
retrograde	1431 Nov 30 j 13:11	4°♄08'11		evening max el	1432 Nov 03 j 23:07	12°♄41'25	22°09'26
asc. node	1431 Dec 02 j 17:56	3°♄41'06		retrograde	1432 Nov 13 j 09:24	18°♄17'47	
evening set	1431 Dec 04 j 12:58	2°♄37'30		evening set	1432 Nov 17 j 20:39	16°♄30'27	
	1431 Dec 07 j 04:36	30°♄♄		asc. node	1432 Nov 18 j 14:59	15°♄50'09	
inferior conj	1431 Dec 09 j 22:00	26°♄26'14	2°16'13	inferior conj	1432 Nov 23 j 05:03	10°♄11'29	1°31'26
minimum elong	1431 Dec 09 j 19:28	26°♄34'54	2°15'23	minimum elong	1432 Nov 23 j 03:07	10°♄18'11	1°30'41
min. Earth dist.	1431 Dec 10 j 09:09	25°♄47'58	0.67440 AU	min. Earth dist.	1432 Nov 23 j 04:54	10°♄12'02	0.67762 AU
morning rise	1431 Dec 15 j 01:47	20°♄13'01		morning rise	1432 Nov 28 j 09:27	4°♄00'04	
direct	1431 Dec 20 j 10:54	17°♄51'22		direct	1432 Dec 03 j 03:29	2°♄00'47	
morning max el	1431 Dec 31 j 07:24	24°♄19'45	23°57'32	morning max el	1432 Dec 12 j 18:00	7°♄41'19	22°29'29
	1432 Jan 05 j 09:18	0°♄		desc. node	1432 Dec 27 j 07:10	26°♄04'24	
desc. node	1432 Jan 10 j 10:08	6°♄24'38			1432 Dec 30 j 00:46	0°♄	
	1432 Jan 26 j 13:05	0°♄		morning set	1433 Jan 15 j 11:53	25°♄23'38	
morning set	1432 Feb 04 j 22:23	15°♄28'02			1433 Jan 18 j 06:53	0°♄	
max. Earth dist.	1432 Feb 08 j 17:39	22°♄07'09	1.38381 AU	max. Earth dist.	1433 Jan 20 j 14:06	3°♄52'07	1.40529 AU
	1432 Feb 13 j 01:46	0°♄					
superior conj	1432 Feb 15 j 23:36	5°♄27'29	-1°45'21	superior conj	1433 Jan 28 j 09:22	17°♄30'59	-2°00'20
minimum elong	1432 Feb 16 j 03:42	5°♄46'56	1°44'57	minimum elong	1433 Jan 28 j 11:58	17°♄42'42	2°00'14
evening rise	1432 Feb 24 j 22:35	22°♄52'50			1433 Feb 04 j 03:57	0°♄	
asc. node	1432 Feb 28 j 17:14	0°♄11'19		evening rise	1433 Feb 07 j 10:22	6°♄09'06	
	1432 Feb 28 j 14:51	0°♄		asc. node	1433 Feb 14 j 14:17	19°♄18'19	
evening max el	1432 Mar 12 j 10:08	19°♄30'17	18°54'16		1433 Feb 21 j 16:48	0°♄	
retrograde	1432 Mar 20 j 18:45	23°♄33'30		evening max el	1433 Feb 23 j 15:49	2°♄07'56	18°21'04
evening set	1432 Mar 23 j 00:23	23°♄17'17		retrograde	1433 Mar 02 j 22:10	5°♄44'03	
inferior conj	1432 Mar 30 j 23:53	19°♄00'08	1°59'49	evening set	1433 Mar 05 j 09:34	5°♄20'02	
minimum elong	1432 Mar 31 j 03:48	18°♄53'06	1°58'39	inferior conj	1433 Mar 12 j 14:37	0°♄42'19	3°04'23
min. Earth dist.	1432 Apr 03 j 04:54	16°♄43'24	0.57083 AU	minimum elong	1433 Mar 13 j 18:12	0°♄34'46	3°03'40
desc. node	1432 Apr 07 j 09:18	14°♄15'24			1433 Mar 13 j 10:41	30°♄♄	
morning rise	1432 Apr 08 j 04:09	13°♄54'27		min. Earth dist.	1433 Mar 16 j 01:03	27°♄51'05	0.59065 AU
				morning rise	1433 Mar 20 j 00:18	25°♄08'41	

desc. node	1433 Mar 25 j 06:21	23° $\text{K}$ 27'10		direct	1434 Mar 08 j 12:07	4° $\text{K}$ 50'41	
direct	1433 Mar 26 j 06:24	23° $\text{K}$ 24'30		desc. node	1434 Mar 12 j 03:24	5° $\text{K}$ 27'09	
	1433 Apr 08 j 10:05	0° $\text{Y}$		morning max el	1434 Mar 22 j 16:53	12° $\text{K}$ 43'44	27°44'33
morning max el	1433 Apr 09 j 14:48	1° $\text{Y}$ 08'08	27°07'24		1434 Apr 05 j 10:12	0° $\text{Y}$	
	1433 Apr 30 j 06:41	0° $\text{B}$			1434 Apr 22 j 13:48	0° $\text{B}$	
morning set	1433 May 10 j 03:34	19° $\text{B}$ 05'33		morning set	1434 Apr 24 j 09:03	3° $\text{B}$ 39'29	
asc. node	1433 May 13 j 13:32	26° $\text{B}$ 22'06		asc. node	1434 Apr 30 j 10:36	16° $\text{B}$ 32'03	
	1433 May 15 j 05:33	0° $\text{II}$		max. Earth dist.	1434 Apr 30 j 10:07	16° $\text{B}$ 29'26	1.32369 AU
superior conj	1433 May 17 j 05:37	4° $\text{II}$ 23'54	0°37'59	superior conj	1434 May 01 j 16:30	19° $\text{B}$ 15'08	0°13'09
minimum elong	1433 May 17 j 04:01	4° $\text{II}$ 15'07	0°37'38	minimum elong	1434 May 01 j 15:53	19° $\text{B}$ 11'50	0°13'01
max. Earth dist.	1433 May 16 j 22:50	3° $\text{II}$ 46'34	1.32225 AU	behind sun begin	1434 May 01 j 12:58	18° $\text{B}$ 55'52	
evening rise	1433 May 24 j 02:45	19° $\text{II}$ 20'14		behind sun end	1434 May 01 j 18:49	19° $\text{B}$ 27'48	
	1433 May 29 j 08:54	0° $\text{E}$			1434 May 06 j 14:38	0° $\text{II}$	
	1433 Jun 17 j 11:58	0° $\text{O}$		evening rise	1434 May 08 j 13:55	4° $\text{II}$ 13'15	
desc. node	1433 Jun 21 j 05:37	4° $\text{O}$ 03'21			1434 May 22 j 08:32	0° $\text{E}$	
evening max el	1433 Jun 22 j 01:07	4° $\text{O}$ 50'46	26°16'30	evening max el	1434 Jun 03 j 18:06	15° $\text{E}$ 51'09	24°57'46
retrograde	1433 Jul 06 j 00:58	12° $\text{O}$ 02'29		desc. node	1434 Jun 08 j 02:39	19° $\text{E}$ 28'30	
evening set	1433 Jul 12 j 12:07	10° $\text{O}$ 19'28		retrograde	1434 Jun 17 j 17:38	22° $\text{E}$ 57'12	
min. Earth dist.	1433 Jul 16 j 13:57	7° $\text{O}$ 43'06	0.59384 AU	evening set	1434 Jun 23 j 00:39	21° $\text{E}$ 53'07	
inferior conj	1433 Jul 19 j 21:37	5° $\text{O}$ 10'20	-4°49'32	min. Earth dist.	1434 Jun 28 j 05:34	19° $\text{E}$ 05'30	0.57404 AU
minimum elong	1433 Jul 20 j 00:06	5° $\text{O}$ 05'32	4°49'20	inferior conj	1434 Jul 01 j 05:33	17° $\text{E}$ 05'38	-4°50'56
morning rise	1433 Jul 27 j 14:12	0° $\text{O}$ 38'38		minimum elong	1434 Jul 01 j 03:21	17° $\text{E}$ 09'19	4°50'49
direct	1433 Jul 30 j 01:34	0° $\text{O}$ 17'18		morning rise	1434 Jul 09 j 08:46	12° $\text{E}$ 55'57	
morning max el	1433 Aug 06 j 20:15	4° $\text{O}$ 01'52	18°23'36	direct	1434 Jul 11 j 22:49	12° $\text{E}$ 36'39	
asc. node	1433 Aug 09 j 12:46	6° $\text{O}$ 59'46		morning max el	1434 Jul 20 j 21:41	16° $\text{E}$ 47'43	19°10'00
morning set	1433 Aug 22 j 21:17	29° $\text{O}$ 34'04		asc. node	1434 Jul 27 j 09:49	24° $\text{E}$ 54'07	
	1433 Aug 23 j 02:42	0° $\text{P}$			1434 Jul 30 j 12:26	0° $\text{O}$	
superior conj	1433 Sep 01 j 00:13	16° $\text{P}$ 49'47	1°34'31	morning set	1434 Aug 06 j 19:48	13° $\text{O}$ 48'59	
minimum elong	1433 Sep 01 j 03:23	17° $\text{P}$ 04'22	1°34'15	superior conj	1434 Aug 15 j 01:59	0° $\text{P}$ 08'17	1°44'32
	1433 Sep 08 j 09:26	0° $\text{A}$		minimum elong	1434 Aug 15 j 03:11	0° $\text{P}$ 14'03	1°44'30
max. Earth dist.	1433 Sep 08 j 12:01	0° $\text{A}$ 11'04	1.40451 AU		1434 Aug 15 j 00:16	0° $\text{P}$	
evening rise	1433 Sep 12 j 23:38	7° $\text{A}$ 45'24		max. Earth dist.	1434 Aug 21 j 15:24	12° $\text{P}$ 26'56	1.38401 AU
desc. node	1433 Sep 17 j 04:57	14° $\text{A}$ 36'54		evening rise	1434 Aug 25 j 10:37	19° $\text{P}$ 12'39	
	1433 Sep 27 j 06:07	0° $\text{M}$			1434 Aug 31 j 20:21	0° $\text{A}$	
evening max el	1433 Oct 17 j 13:46	26° $\text{M}$ 14'42	23°29'07	desc. node	1434 Sep 04 j 01:59	5° $\text{A}$ 10'41	
	1433 Oct 21 j 21:05	0° $\text{J}$			1434 Sep 21 j 10:53	0° $\text{M}$	
retrograde	1433 Oct 28 j 02:47	2° $\text{J}$ 28'40		evening max el	1434 Sep 30 j 01:55	9° $\text{M}$ 51'16	24°47'40
evening set	1433 Nov 02 j 03:10	0° $\text{J}$ 23'56		retrograde	1434 Oct 11 j 16:20	16° $\text{M}$ 36'35	
	1433 Nov 02 j 14:01	30° $\text{R}$ $\text{M}$		evening set	1434 Oct 17 j 06:50	14° $\text{M}$ 15'13	
asc. node	1433 Nov 05 j 12:01	26° $\text{M}$ 43'26		min. Earth dist.	1434 Oct 21 j 20:47	9° $\text{M}$ 03'06	0.67384 AU
min. Earth dist.	1433 Nov 07 j 01:34	24° $\text{M}$ 37'55	0.67738 AU	inferior conj	1434 Oct 22 j 18:07	7° $\text{M}$ 52'26	-0°12'54
inferior conj	1433 Nov 07 j 12:20	24° $\text{M}$ 01'01	0°41'17	minimum elong	1434 Oct 22 j 18:26	7° $\text{M}$ 51'23	0°12'46
minimum elong	1433 Nov 07 j 11:23	24° $\text{M}$ 04'18	0°40'54	transit middle	1434 Oct 22 j 18:26	7° $\text{M}$ 51'23	0°12'46
morning rise	1433 Nov 12 j 19:33	17° $\text{M}$ 53'25		transit begin	1434 Oct 22 j 16:44	7° $\text{M}$ 57'02	
direct	1433 Nov 16 j 23:17	16° $\text{M}$ 16'56		transit end	1434 Oct 22 j 20:08	7° $\text{M}$ 45'44	
morning max el	1433 Nov 25 j 10:26	21° $\text{M}$ 12'26	21°07'22	asc. node	1434 Oct 23 j 09:04	7° $\text{M}$ 03'06	
	1433 Dec 02 j 19:26	0° $\text{J}$		morning rise	1434 Oct 28 j 06:09	1° $\text{M}$ 51'00	
desc. node	1433 Dec 14 j 04:13	16° $\text{J}$ 08'30		direct	1434 Oct 31 j 21:10	0° $\text{M}$ 35'17	
	1433 Dec 23 j 07:22	0° $\text{B}$		morning max el	1434 Nov 08 j 10:29	4° $\text{M}$ 54'07	19°56'39
morning set	1433 Dec 25 j 21:33	4° $\text{B}$ 02'19			1434 Nov 26 j 18:56	0° $\text{J}$	
max. Earth dist.	1434 Jan 02 j 17:01	16° $\text{B}$ 32'25	1.42494 AU	desc. node	1434 Dec 01 j 01:15	6° $\text{J}$ 29'46	
superior conj	1434 Jan 09 j 20:52	28° $\text{B}$ 30'02	-2°03'38	morning set	1434 Dec 04 j 17:40	12° $\text{J}$ 09'53	
minimum elong	1434 Jan 09 j 19:33	28° $\text{B}$ 24'25	2°03'36	max. Earth dist.	1434 Dec 16 j 03:08	0° $\text{B}$ 01'35	1.44019 AU
	1434 Jan 10 j 17:54	0° $\text{A}$			1434 Dec 16 j 02:44	0° $\text{B}$	
evening rise	1434 Jan 21 j 08:22	18° $\text{A}$ 43'29		superior conj	1434 Dec 21 j 06:05	8° $\text{B}$ 16'26	-1°50'23
	1434 Jan 27 j 16:10	0° $\text{K}$		minimum elong	1434 Dec 20 j 23:29	7° $\text{B}$ 49'38	1°49'56
asc. node	1434 Feb 01 j 11:20	7° $\text{K}$ 54'27			1435 Jan 03 j 05:54	0° $\text{A}$	
evening max el	1434 Feb 07 j 02:27	15° $\text{K}$ 08'45	18°07'44	evening rise	1435 Jan 03 j 12:10	0° $\text{A}$ 26'47	
retrograde	1434 Feb 13 j 18:13	18° $\text{K}$ 33'35		asc. node	1435 Jan 19 j 08:23	25° $\text{A}$ 49'31	
evening set	1434 Feb 16 j 10:46	18° $\text{K}$ 00'16		evening max el	1435 Jan 21 j 14:58	28° $\text{A}$ 24'02	18°13'39
inferior conj	1434 Feb 23 j 00:49	13° $\text{K}$ 01'39	3°37'12		1435 Jan 23 j 10:07	0° $\text{K}$	
minimum elong	1434 Feb 23 j 02:31	12° $\text{K}$ 57'33	3°37'03	retrograde	1435 Jan 28 j 02:10	1° $\text{K}$ 51'08	
min. Earth dist.	1434 Feb 26 j 04:17	10° $\text{K}$ 00'17	0.61197 AU	evening set	1435 Jan 30 j 23:40	1° $\text{K}$ 07'25	
morning rise	1434 Mar 01 j 16:37	7° $\text{K}$ 09'35			1435 Feb 01 j 18:29	30° $\text{R}$ $\text{A}$	

inferior conj	1435 Feb 06 j 02:30	25°  49'03	3°45'22	evening max el	1436 Jan 05 j 02:45	11°  48'08	18°37'58
minimum elong	1435 Feb 06 j 02:12	25°  49'51	3°45'22	asc. node	1436 Jan 06 j 05:24	12°  51'51	
min. Earth dist.	1435 Feb 08 j 16:32	23°  00'29	0.63201 AU	retrograde	1436 Jan 11 j 17:52	15°  28'58	
morning rise	1435 Feb 12 j 03:48	19°  46'24		evening set	1436 Jan 14 j 20:56	14°  33'50	
direct	1435 Feb 19 j 02:50	17°  03'27		inferior conj	1436 Jan 20 j 15:43	8°  57'21	3°35'27
desc. node	1435 Feb 27 j 00:26	19°  55'28		minimum elong	1436 Jan 20 j 13:59	9°  02'33	3°35'14
morning max el	1435 Mar 04 j 23:56	24°  58'34	27°44'24	min. Earth dist.	1436 Jan 22 j 14:14	6°  37'59	0.64897 AU
	1435 Mar 09 j 14:13	0°  ✕		morning rise	1436 Jan 26 j 06:36	2°  48'48	
	1435 Mar 29 j 20:15	0°  Y			1436 Feb 01 j 01:45	30°  R 	
morning set	1435 Apr 08 j 08:19	17°  Y51'17		direct	1436 Feb 02 j 00:50	29°  Z56'44	
max. Earth dist.	1435 Apr 13 j 16:07	28°  Y51'28	1.32911 AU		1436 Feb 03 j 00:21	0°  ≈	
	1435 Apr 14 j 05:01	0°  8		desc. node	1436 Feb 13 j 21:30	6°  ≈17'02	
				morning max el	1436 Feb 15 j 09:19	7°  ≈43'53	27°09'48
superior conj	1435 Apr 16 j 00:41	3°  853'56	-0°13'36		1436 Mar 03 j 15:50	0°  ✕	
minimum elong	1435 Apr 16 j 01:20	3°  857'29	0°13'27		1436 Mar 21 j 03:26	0°  Y	
behind sun begin	1435 Apr 15 j 22:30	3°  842'14		morning set	1436 Mar 21 j 22:25	1°  Y31'34	
behind sun end	1435 Apr 16 j 04:10	4°  812'44		max. Earth dist.	1436 Mar 26 j 13:01	10°  Y42'05	1.33891 AU
asc. node	1435 Apr 17 j 07:39	6°  841'08					
evening rise	1435 Apr 23 j 01:44	19°  804'01		superior conj	1436 Mar 30 j 04:12	18°  Y14'04	-0°41'14
	1435 Apr 28 j 10:43	0°  II		minimum elong	1436 Mar 30 j 06:15	18°  Y24'52	0°40'48
evening max el	1435 May 16 j 08:03	26°  II24'28	23°23'50	asc. node	1436 Apr 03 j 04:42	26°  Y45'18	
	1435 May 20 j 16:28	0°  ☿			1436 Apr 04 j 17:24	0°  8	
desc. node	1435 May 25 j 23:40	2°  ☿36'38		evening rise	1436 Apr 06 j 12:24	3°  846'23	
retrograde	1435 May 29 j 22:08	3°  ☿11'53			1436 Apr 21 j 03:16	0°  II	
evening set	1435 Jun 02 j 17:17	2°  ☿40'13		evening max el	1436 Apr 27 j 02:04	7°  II00'42	21°49'38
	1435 Jun 08 j 19:04	30°  R  II		retrograde	1436 May 09 j 14:38	13°  II09'20	
min. Earth dist.	1435 Jun 09 j 18:09	29°  II26'49	0.55830 AU	desc. node	1436 May 11 j 20:41	12°  II57'57	
inferior conj	1435 Jun 11 j 17:33	28°  II16'36	-4°10'38	evening set	1436 May 12 j 04:51	12°  II54'18	
minimum elong	1435 Jun 11 j 10:40	28°  II26'50	4°09'16	inferior conj	1436 May 21 j 14:43	8°  II51'03	-2°43'23
morning rise	1435 Jun 20 j 06:42	24°  II21'36		minimum elong	1436 May 21 j 07:40	9°  II00'56	2°41'08
direct	1435 Jun 23 j 00:48	24°  II03'01		min. Earth dist.	1436 May 21 j 06:13	9°  II02'57	0.55002 AU
morning max el	1435 Jul 03 j 12:36	28°  II54'27	20°17'34	morning rise	1436 May 30 j 11:39	4°  II56'15	
	1435 Jul 04 j 15:30	0°  ☿		direct	1436 Jun 02 j 13:23	4°  II35'23	
asc. node	1435 Jul 14 j 06:52	13°  ☿31'43		morning max el	1436 Jun 14 j 16:05	10°  II16'58	21°44'18
morning set	1435 Jul 22 j 00:45	28°  ☿23'49			1436 Jun 28 j 17:18	0°  ☿	
	1435 Jul 22 j 19:35	0°  ♁		asc. node	1436 Jun 30 j 03:55	2°  ☿41'42	
				morning set	1436 Jul 05 j 09:49	13°  ☿11'46	
superior conj	1435 Jul 29 j 16:49	14°  ♁06'29	1°45'38	superior conj	1436 Jul 12 j 16:44	28°  ☿32'09	1°39'36
minimum elong	1435 Jul 29 j 16:17	14°  ♁03'48	1°45'38	minimum elong	1436 Jul 12 j 15:01	28°  ☿23'09	1°39'29
max. Earth dist.	1435 Aug 03 j 20:56	24°  ♁18'51	1.36476 AU		1436 Jul 13 j 09:34	0°  ♁	
	1435 Aug 06 j 21:12	0°  ♁		max. Earth dist.	1436 Jul 16 j 10:11	6°  ♁13'05	1.34856 AU
evening rise	1435 Aug 07 j 19:32	1°  ♁43'03		evening rise	1436 Jul 20 j 21:40	15°  ♁03'37	
desc. node	1435 Aug 21 j 23:00	25°  ♁31'04			1436 Jul 29 j 03:00	0°  ♁	
	1435 Aug 24 j 22:17	0°  ♁		desc. node	1436 Aug 07 j 20:00	15°  ♁31'10	
evening max el	1435 Sep 12 j 13:47	23°  ♁30'34	25°57'42		1436 Aug 18 j 13:36	0°  ♁	
	1435 Sep 21 j 18:42	0°  ♁.36'35		evening max el	1436 Aug 25 j 02:03	7°  ♁05'43	26°51'27
retrograde	1435 Sep 25 j 01:10	0°  ♁.36'35		retrograde	1436 Sep 07 j 04:32	14°  ♁21'35	
	1435 Sep 28 j 02:38	30°  R  ♁		evening set	1436 Sep 13 j 22:01	11°  ♁38'24	
evening set	1435 Oct 01 j 05:51	28°  ♁01'32		min. Earth dist.	1436 Sep 17 j 21:19	7°  ♁38'37	0.65672 AU
min. Earth dist.	1435 Oct 05 j 12:12	23°  ♁25'01	0.66699 AU	inferior conj	1436 Sep 19 j 17:39	5°  ♁29'14	-2°07'33
inferior conj	1435 Oct 06 j 20:34	21°  ♁43'20	-1°09'44	minimum elong	1436 Sep 19 j 21:01	5°  ♁19'25	2°06'15
minimum elong	1435 Oct 06 j 22:23	21°  ♁37'38	1°08'59	morning rise	1436 Sep 25 j 20:38	29°  ♁48'40	
asc. node	1435 Oct 10 j 06:05	17°  ♁46'39			1436 Sep 25 j 12:22	30°  R  ♁	
morning rise	1435 Oct 12 j 15:15	15°  ♁50'45		asc. node	1436 Sep 26 j 03:07	29°  ♁40'39	
direct	1435 Oct 15 j 19:42	14°  ♁52'27		direct	1436 Sep 28 j 16:50	29°  ♁04'04	
morning max el	1435 Oct 22 j 17:50	18°  ♁44'37	19°00'31		1436 Oct 01 j 22:39	0°  ♁	
	1435 Oct 31 j 10:46	0°  ♁		morning max el	1436 Oct 05 j 06:38	2°  ♁39'01	18°20'30
morning set	1435 Nov 14 j 01:28	20°  ♁.59'47			1436 Oct 23 j 18:37	0°  ♁	
desc. node	1435 Nov 17 j 22:17	27°  ♁.03'22		morning set	1436 Oct 24 j 12:37	1°  ♁.13'07	
	1435 Nov 19 j 19:23	0°  ♁.7		desc. node	1436 Nov 03 j 19:18	17°  ♁.44'40	
max. Earth dist.	1435 Nov 28 j 19:04	14°  ♁.706'00	1.44921 AU				
superior conj	1435 Nov 30 j 15:47	17°  ♁.702'13	-1°18'17	superior conj	1436 Nov 08 j 16:54	25°  ♁.29'59	-0°32'15
minimum elong	1435 Nov 30 j 07:12	16°  ♁.728'21	1°17'22	minimum elong	1436 Nov 08 j 12:43	25°  ♁.13'27	0°31'42
	1435 Dec 08 j 19:24	0°  ♁		max. Earth dist.	1436 Nov 10 j 14:02	28°  ♁.27'33	1.45094 AU
evening rise	1435 Dec 15 j 17:50	11°  ♁.313'11			1436 Nov 11 j 13:34	0°  ♁.7	
	1435 Dec 27 j 08:44	0°  ≈		evening rise	1436 Nov 25 j 00:04	21°  ♁.703'01	

	1436 Nov 30 j 17:10	0°♄		evening rise	1437 Nov 04 j 12:21	0°♄12'12	
greatest brilliancy	1436 Dec 05 j 22:03	8°♄04'52	-0.8m		1437 Nov 24 j 12:43	0°♄	
evening max el	1436 Dec 18 j 11:29	25°♄16'13	19°19'32	evening max el	1437 Dec 01 j 15:21	8°♄45'15	20°16'23
asc. node	1436 Dec 23 j 02:25	28°♄47'19		retrograde	1437 Dec 09 j 11:48	13°♄22'16	
retrograde	1436 Dec 25 j 13:59	29°♄21'01		asc. node	1437 Dec 09 j 23:27	13°♄20'57	
evening set	1436 Dec 28 j 23:47	28°♄13'08		evening set	1437 Dec 13 j 05:58	12°♄00'14	
inferior conj	1437 Jan 03 j 13:09	22°♄20'43	3°12'16	inferior conj	1437 Dec 18 j 16:02	5°♄54'42	2°39'01
minimum elong	1437 Jan 03 j 10:39	22°♄28'46	3°11'43	minimum elong	1437 Dec 18 j 13:22	6°♄03'42	2°38'14
min. Earth dist.	1437 Jan 04 j 20:40	20°♄39'13	0.66195 AU	min. Earth dist.	1437 Dec 19 j 10:06	4°♄53'42	0.67090 AU
morning rise	1437 Jan 08 j 21:17	16°♄08'57		morning rise	1437 Dec 23 j 20:36	29°♄41'29	
direct	1437 Jan 15 j 04:50	13°♄21'33			1437 Dec 29 j 12:37	30°♄♄	
morning max el	1437 Jan 27 j 18:47	20°♄48'21	26°07'54	direct	1437 Dec 29 j 14:13	27°♄08'50	
desc. node	1437 Jan 30 j 18:32	24°♄00'08			1438 Jan 05 j 13:51	0°♄	
	1437 Feb 04 j 17:51	0°♄		morning max el	1438 Jan 10 j 03:25	4°♄02'01	24°47'53
	1437 Feb 24 j 19:37	0°♄		desc. node	1438 Jan 17 j 15:33	12°♄40'40	
morning set	1437 Mar 04 j 23:29	14°♄29'05			1438 Jan 30 j 01:29	0°♄	
max. Earth dist.	1437 Mar 08 j 22:37	22°♄01'18	1.35329 AU	morning set	1438 Feb 15 j 06:11	26°♄28'04	
	1437 Mar 12 j 23:16	0°♄			1438 Feb 17 j 05:34	0°♄	
				max. Earth dist.	1438 Feb 18 j 21:59	3°♄04'05	1.37182 AU
superior conj	1437 Mar 14 j 00:40	2°♄08'41	-1°08'24				
minimum elong	1437 Mar 14 j 04:01	2°♄25'43	1°07'49	superior conj	1438 Feb 25 j 10:56	15°♄28'09	-1°33'11
asc. node	1437 Mar 21 j 01:44	16°♄40'34		minimum elong	1438 Feb 25 j 15:04	15°♄48'20	1°32'40
evening rise	1437 Mar 21 j 20:00	18°♄14'27			1438 Mar 04 j 18:08	0°♄	
	1437 Mar 27 j 18:56	0°♄		evening rise	1438 Mar 05 j 22:10	2°♄20'21	
evening max el	1437 Apr 09 j 05:59	18°♄05'45	20°27'05	asc. node	1438 Mar 07 j 22:47	6°♄21'27	
retrograde	1437 Apr 20 j 03:49	23°♄22'40		evening max el	1438 Mar 22 j 21:26	29°♄49'10	19°22'24
evening set	1437 Apr 22 j 05:46	23°♄11'56			1438 Mar 23 j 01:58	0°♄	
desc. node	1437 Apr 28 j 17:43	20°♄44'12		retrograde	1438 Apr 01 j 02:38	4°♄16'09	
inferior conj	1437 May 01 j 09:27	19°♄14'07	-0°46'18	evening set	1438 Apr 03 j 05:06	4°♄03'15	
minimum elong	1437 May 01 j 07:16	19°♄17'18	0°45'30	inferior conj	1438 Apr 11 j 15:51	29°♄55'41	1°06'54
min. Earth dist.	1437 May 02 j 19:06	18°♄25'15	0.55113 AU	minimum elong	1438 Apr 11 j 18:31	29°♄51'18	1°05'59
morning rise	1437 May 10 j 07:38	15°♄00'33			1438 Apr 11 j 13:13	30°♄♄	
direct	1437 May 14 j 00:31	14°♄30'57		min. Earth dist.	1438 Apr 14 j 09:44	28°♄08'04	0.56147 AU
morning max el	1437 May 27 j 10:29	21°♄02'24	23°23'51	desc. node	1438 Apr 15 j 14:46	27°♄23'14	
	1437 Jun 04 j 02:38	0°♄		morning rise	1438 Apr 20 j 05:05	25°♄09'11	
asc. node	1437 Jun 17 j 00:58	22°♄15'50		direct	1438 Apr 24 j 21:26	24°♄19'12	
morning set	1437 Jun 19 j 21:10	28°♄07'30			1438 May 07 j 09:27	0°♄	
	1437 Jun 20 j 18:29	0°♄		morning max el	1438 May 09 j 01:06	1°♄30'15	25°04'20
					1438 May 28 j 20:33	0°♄	
superior conj	1437 Jun 26 j 22:47	13°♄16'32	1°27'49	asc. node	1438 Jun 03 j 22:02	12°♄06'26	
minimum elong	1437 Jun 26 j 20:28	13°♄04'02	1°27'33	morning set	1438 Jun 04 j 09:03	13°♄04'23	
max. Earth dist.	1437 Jun 29 j 08:57	18°♄26'19	1.33617 AU				
evening rise	1437 Jul 04 j 12:36	29°♄02'12		superior conj	1438 Jun 11 j 08:35	28°♄10'55	1°11'23
	1437 Jul 05 j 00:14	0°♄		minimum elong	1438 Jun 11 j 06:11	27°♄57'49	1°10'59
	1437 Jul 22 j 05:47	0°♄			1438 Jun 12 j 04:36	0°♄	
desc. node	1437 Jul 25 j 17:00	5°♄02'23		max. Earth dist.	1438 Jun 12 j 15:28	0°♄59'02	1.32771 AU
evening max el	1437 Aug 07 j 13:46	20°♄26'00	27°21'29	evening rise	1438 Jun 18 j 12:35	13°♄26'51	
retrograde	1437 Aug 21 j 02:05	27°♄44'12			1438 Jun 27 j 02:59	0°♄	
evening set	1437 Aug 28 j 04:41	25°♄01'34		desc. node	1438 Jul 12 j 14:02	23°♄52'08	
min. Earth dist.	1437 Aug 31 j 21:52	21°♄37'17	0.64290 AU		1438 Jul 17 j 17:19	0°♄	
inferior conj	1437 Sep 03 j 07:03	19°♄05'24	-3°03'54	evening max el	1438 Jul 20 j 22:44	3°♄17'56	27°22'02
minimum elong	1437 Sep 03 j 11:43	18°♄52'59	3°02'22	retrograde	1438 Aug 03 j 17:25	10°♄35'01	
morning rise	1437 Sep 09 j 19:43	13°♄40'20		evening set	1438 Aug 10 j 22:21	8°♄05'02	
direct	1437 Sep 12 j 10:07	13°♄05'53		min. Earth dist.	1438 Aug 14 j 12:20	5°♄10'02	0.62560 AU
asc. node	1437 Sep 13 j 00:10	13°♄07'40		inferior conj	1438 Aug 17 j 09:52	2°♄25'05	-3°55'08
morning max el	1437 Sep 18 j 22:21	16°♄32'19	17°57'30	minimum elong	1438 Aug 17 j 15:04	2°♄12'43	3°53'49
	1437 Sep 28 j 13:33	0°♄			1438 Aug 20 j 01:52	30°♄♄	
morning set	1437 Oct 06 j 03:47	12°♄48'09		morning rise	1438 Aug 24 j 09:12	27°♄18'51	
	1437 Oct 16 j 10:20	0°♄		direct	1438 Aug 26 j 20:17	26°♄51'29	
				asc. node	1438 Aug 30 j 21:14	28°♄07'05	
superior conj	1437 Oct 19 j 07:11	4°♄40'22	0°15'57		1438 Sep 02 j 06:43	0°♄	
minimum elong	1437 Oct 19 j 09:00	4°♄47'44	0°15'43	morning max el	1438 Sep 02 j 14:07	0°♄17'52	17°52'28
behind sun begin	1437 Oct 19 j 06:31	4°♄37'43		morning set	1438 Sep 18 j 17:23	25°♄27'31	
behind sun end	1437 Oct 19 j 11:28	4°♄57'44			1438 Sep 21 j 06:32	0°♄	
desc. node	1437 Oct 21 j 16:18	8°♄30'25					
max. Earth dist.	1437 Oct 24 j 08:41	12°♄47'12	1.44529 AU	superior conj	1438 Sep 29 j 23:27	15°♄08'30	0°56'00
	1437 Nov 04 j 09:11	0°♄		minimum elong	1438 Sep 30 j 04:01	15°♄27'50	0°55'25

max. Earth dist.	1438 Oct 06 j 23:38	26° $\Omega$ 45'26	1.43303 AU	desc. node	1439 Sep 25 j 10:21	20° $\Omega$ 02'42	
desc. node	1438 Oct 08 j 13:19	29° $\Omega$ 17'37			1439 Oct 01 j 18:51	0° $\mathbb{M}$	
	1438 Oct 08 j 23:53	0° $\mathbb{M}$			1439 Oct 23 j 03:16	0° $\mathbb{A}$	
evening rise	1438 Oct 14 j 20:59	9° $\mathbb{M}$ 17'00		evening max el	1439 Oct 28 j 06:30	5° $\mathbb{A}$ 46'14	22°43'07
	1438 Oct 28 j 14:40	0° $\mathbb{A}$		retrograde	1439 Nov 07 j 04:25	11° $\mathbb{A}$ 39'33	
evening max el	1438 Nov 14 j 13:32	22° $\mathbb{A}$ 14'52	21°25'38	evening set	1439 Nov 11 j 20:57	9° $\mathbb{A}$ 45'03	
retrograde	1438 Nov 23 j 09:12	27° $\mathbb{A}$ 29'37		asc. node	1439 Nov 13 j 17:33	7° $\mathbb{A}$ 55'41	
asc. node	1438 Nov 26 j 20:30	26° $\mathbb{A}$ 22'43		inferior conj	1439 Nov 17 j 05:31	3° $\mathbb{A}$ 23'50	1°10'45
evening set	1438 Nov 27 j 13:35	25° $\mathbb{A}$ 51'56		minimum elong	1439 Nov 17 j 03:57	3° $\mathbb{A}$ 29'15	1°10'08
inferior conj	1438 Dec 02 j 22:09	19° $\mathbb{A}$ 36'41	1°57'58	min. Earth dist.	1439 Nov 17 j 00:51	3° $\mathbb{A}$ 39'59	0.67786 AU
minimum elong	1438 Dec 02 j 19:49	19° $\mathbb{A}$ 44'44	1°57'09		1439 Nov 19 j 18:49	30° $\mathbb{R}$ $\mathbb{M}$	
min. Earth dist.	1438 Dec 03 j 04:19	19° $\mathbb{A}$ 15'20	0.67610 AU	morning rise	1439 Nov 22 j 10:49	27° $\mathbb{M}$ 13'30	
morning rise	1438 Dec 08 j 01:53	13° $\mathbb{A}$ 23'52		direct	1439 Nov 26 j 22:35	25° $\mathbb{M}$ 23'55	
direct	1438 Dec 13 j 04:25	11° $\mathbb{A}$ 11'38			1439 Dec 05 j 06:43	0° $\mathbb{A}$	
morning max el	1438 Dec 23 j 12:26	17° $\mathbb{A}$ 20'34	23°19'55	morning max el	1439 Dec 06 j 01:02	0° $\mathbb{A}$ 45'03	21°53'23
	1439 Jan 03 j 00:33	0° $\mathbb{B}$		desc. node	1439 Dec 22 j 09:36	21° $\mathbb{A}$ 52'59	
desc. node	1439 Jan 04 j 12:34	2° $\mathbb{B}$ 02'17			1439 Dec 27 j 21:30	0° $\mathbb{B}$	
	1439 Jan 23 j 03:28	0° $\approx$		morning set	1440 Jan 07 j 13:13	16° $\mathbb{B}$ 32'08	
morning set	1439 Jan 27 j 12:19	7° $\approx$ 12'37		max. Earth dist.	1440 Jan 13 j 14:53	26° $\mathbb{B}$ 27'07	1.41399 AU
max. Earth dist.	1439 Jan 31 j 16:48	14° $\approx$ 22'28	1.39290 AU		1440 Jan 15 j 17:36	0° $\approx$	
superior conj	1439 Feb 08 j 07:02	28° $\approx$ 02'40	-1°52'49	superior conj	1440 Jan 21 j 07:55	9° $\approx$ 39'35	-2°03'28
minimum elong	1439 Feb 08 j 10:45	28° $\approx$ 19'59	1°52'33	minimum elong	1440 Jan 21 j 09:09	9° $\approx$ 45'03	2°03'26
	1439 Feb 09 j 08:11	0° $\mathbb{H}$		evening rise	1440 Jan 31 j 22:32	28° $\approx$ 55'30	
evening rise	1439 Feb 17 j 16:11	15° $\mathbb{H}$ 56'58			1440 Feb 01 j 12:29	0° $\mathbb{H}$	
asc. node	1439 Feb 22 j 19:50	25° $\mathbb{H}$ 42'43		asc. node	1440 Feb 09 j 16:53	14° $\mathbb{H}$ 37'13	
	1439 Feb 25 j 05:30	0° $\mathbb{Y}$		evening max el	1440 Feb 17 j 07:00	24° $\mathbb{H}$ 57'47	18°13'05
evening max el	1439 Mar 05 j 22:49	12° $\mathbb{Y}$ 09'25	18°37'42	retrograde	1440 Feb 24 j 05:45	28° $\mathbb{H}$ 27'00	
retrograde	1439 Mar 13 j 19:02	15° $\mathbb{Y}$ 59'18		evening set	1440 Feb 26 j 19:27	27° $\mathbb{H}$ 59'10	
evening set	1439 Mar 16 j 02:58	15° $\mathbb{Y}$ 40'12		inferior conj	1440 Mar 04 j 17:41	23° $\mathbb{H}$ 12'50	3°21'45
inferior conj	1439 Mar 23 j 18:20	11° $\mathbb{Y}$ 14'44	2°31'21	minimum elong	1440 Mar 04 j 20:34	23° $\mathbb{H}$ 06'25	3°21'18
minimum elong	1439 Mar 23 j 22:26	11° $\mathbb{Y}$ 06'51	2°30'18	min. Earth dist.	1440 Mar 08 j 02:31	20° $\mathbb{H}$ 13'59	0.59972 AU
min. Earth dist.	1439 Mar 27 j 03:35	8° $\mathbb{Y}$ 40'18	0.57883 AU	morning rise	1440 Mar 11 j 19:28	17° $\mathbb{H}$ 30'22	
morning rise	1439 Mar 31 j 14:51	5° $\mathbb{Y}$ 55'36		direct	1440 Mar 18 j 08:44	15° $\mathbb{H}$ 30'13	
desc. node	1439 Apr 02 j 11:48	5° $\mathbb{Y}$ 10'39		desc. node	1440 Mar 19 j 08:49	15° $\mathbb{H}$ 32'57	
direct	1439 Apr 06 j 08:48	4° $\mathbb{Y}$ 32'39		morning max el	1440 Apr 01 j 15:50	23° $\mathbb{H}$ 19'00	27°27'38
morning max el	1439 Apr 20 j 17:42	12° $\mathbb{Y}$ 08'36	26°30'07		1440 Apr 07 j 15:26	0° $\mathbb{Y}$	
	1439 May 04 j 16:03	0° $\mathbb{B}$			1440 Apr 26 j 18:33	0° $\mathbb{B}$	
morning set	1439 May 19 j 19:51	27° $\mathbb{B}$ 57'04		morning set	1440 May 03 j 03:50	12° $\mathbb{B}$ 39'41	
	1439 May 20 j 19:06	0° $\mathbb{I}$		asc. node	1440 May 07 j 16:10	22° $\mathbb{B}$ 16'27	
asc. node	1439 May 21 j 19:06	2° $\mathbb{I}$ 08'11		max. Earth dist.	1440 May 09 j 14:57	26° $\mathbb{B}$ 32'02	1.32236 AU
superior conj	1439 May 26 j 20:10	13° $\mathbb{I}$ 08'54	0°51'07	superior conj	1440 May 10 j 07:48	28° $\mathbb{B}$ 04'29	0°27'45
minimum elong	1439 May 26 j 18:09	12° $\mathbb{I}$ 57'52	0°50'43	minimum elong	1440 May 10 j 06:35	27° $\mathbb{B}$ 57'49	0°27'29
max. Earth dist.	1439 May 27 j 02:38	13° $\mathbb{I}$ 44'25	1.32314 AU		1440 May 11 j 04:49	0° $\mathbb{I}$	
evening rise	1439 Jun 02 j 18:42	28° $\mathbb{I}$ 08'41		evening rise	1440 May 17 j 04:37	12° $\mathbb{I}$ 59'58	
	1439 Jun 03 j 16:06	0° $\mathbb{O}$			1440 May 25 j 19:11	0° $\mathbb{O}$	
	1439 Jun 20 j 11:52	0° $\Omega$		evening max el	1440 Jun 13 j 23:47	26° $\mathbb{O}$ 56'52	25°45'54
desc. node	1439 Jun 29 j 11:05	11° $\Omega$ 43'04		desc. node	1440 Jun 15 j 08:07	28° $\mathbb{O}$ 11'03	
evening max el	1439 Jul 03 j 02:37	15° $\Omega$ 30'04	26°49'42		1440 Jun 17 j 13:32	0° $\Omega$	
retrograde	1439 Jul 17 j 01:32	22° $\Omega$ 44'27		retrograde	1440 Jun 28 j 00:26	4° $\Omega$ 06'43	
evening set	1439 Jul 23 j 22:36	20° $\Omega$ 41'05		evening set	1440 Jul 04 j 00:53	2° $\Omega$ 40'32	
min. Earth dist.	1439 Jul 27 j 16:34	18° $\Omega$ 02'38	0.60571 AU	min. Earth dist.	1440 Jul 08 j 12:09	0° $\Omega$ 01'14	0.58513 AU
inferior conj	1439 Jul 30 j 22:45	15° $\Omega$ 19'47	-4°35'10		1440 Jul 08 j 12:52	30° $\mathbb{R}$ $\mathbb{O}$	
minimum elong	1439 Jul 31 j 02:54	15° $\Omega$ 11'06	4°34'34	inferior conj	1440 Jul 11 j 18:12	27° $\mathbb{O}$ 40'15	-4°54'25
morning rise	1439 Aug 07 j 09:05	10° $\Omega$ 35'01		minimum elong	1440 Jul 11 j 18:56	27° $\mathbb{O}$ 38'56	4°54'25
direct	1439 Aug 09 j 19:30	10° $\Omega$ 12'09		morning rise	1440 Jul 19 j 15:19	23° $\mathbb{O}$ 17'57	
morning max el	1439 Aug 17 j 02:46	13° $\Omega$ 47'28	18°06'26	direct	1440 Jul 22 j 03:32	22° $\mathbb{O}$ 57'39	
asc. node	1439 Aug 17 j 18:17	14° $\Omega$ 26'28		morning max el	1440 Jul 30 j 09:09	26° $\mathbb{O}$ 52'19	18°40'39
	1439 Aug 28 j 03:33	0° $\mathbb{P}$			1440 Aug 02 j 05:32	0° $\Omega$	
morning set	1439 Sep 01 j 23:23	8° $\mathbb{P}$ 53'58		asc. node	1440 Aug 03 j 15:21	1° $\Omega$ 50'44	
				morning set	1440 Aug 15 j 16:59	22° $\Omega$ 54'49	
superior conj	1439 Sep 11 j 18:05	26° $\mathbb{P}$ 54'08	1°23'55		1440 Aug 19 j 08:19	0° $\mathbb{P}$	
minimum elong	1439 Sep 11 j 22:14	27° $\mathbb{P}$ 12'38	1°23'30	superior conj	1440 Aug 24 j 10:10	9° $\mathbb{P}$ 43'43	1°39'58
	1439 Sep 13 j 11:58	0° $\mathbb{U}$		minimum elong	1440 Aug 24 j 12:30	9° $\mathbb{P}$ 54'43	1°39'49
max. Earth dist.	1439 Sep 19 j 09:06	10° $\mathbb{U}$ 07'07	1.41581 AU	max. Earth dist.	1440 Aug 31 j 14:12	22° $\mathbb{P}$ 47'34	1.39585 AU
evening rise	1439 Sep 24 j 18:57	19° $\mathbb{U}$ 00'50					

evening rise	1440 Sep 04 j 16:06	29° $\mathbb{M}$ 49'48			1441 Aug 11 j 04:15	0° $\mathbb{M}$	
	1440 Sep 04 j 18:31	0° $\mathbb{L}$		max. Earth dist.	1441 Aug 13 j 18:13	4° $\mathbb{M}$ 52'10	1.37564 AU
desc. node	1440 Sep 11 j 07:25	10° $\mathbb{L}$ 42'17		evening rise	1441 Aug 17 j 12:55	11° $\mathbb{M}$ 45'03	
	1440 Sep 24 j 04:58	0° $\mathbb{M}$			1441 Aug 28 j 10:18	0° $\mathbb{L}$	
evening max el	1440 Oct 09 j 20:01	19° $\mathbb{M}$ 21'39	24°03'06	desc. node	1441 Aug 29 j 04:27	1° $\mathbb{L}$ 11'09	
retrograde	1440 Oct 20 j 20:10	25° $\mathbb{M}$ 49'29			1441 Sep 19 j 10:42	0° $\mathbb{M}$	
evening set	1440 Oct 26 j 02:26	23° $\mathbb{M}$ 37'45		evening max el	1441 Sep 22 j 07:58	3° $\mathbb{M}$ 00'03	25°18'52
asc. node	1440 Oct 30 j 14:34	18° $\mathbb{M}$ 28'13		retrograde	1441 Oct 04 j 07:37	9° $\mathbb{M}$ 54'43	
min. Earth dist.	1440 Oct 30 j 21:13	18° $\mathbb{M}$ 05'49	0.67634 AU	evening set	1441 Oct 10 j 04:20	7° $\mathbb{M}$ 27'01	
inferior conj	1440 Oct 31 j 12:22	17° $\mathbb{M}$ 14'33	0°18'45	min. Earth dist.	1441 Oct 14 j 15:01	2° $\mathbb{M}$ 30'01	0.67144 AU
minimum elong	1440 Oct 31 j 11:55	17° $\mathbb{M}$ 16'05	0°18'33	inferior conj	1441 Oct 15 j 16:57	1° $\mathbb{M}$ 05'54	-0°36'44
morning rise	1440 Nov 05 j 21:24	11° $\mathbb{M}$ 09'07		minimum elong	1441 Oct 15 j 17:53	1° $\mathbb{M}$ 02'53	0°36'21
direct	1440 Nov 09 j 19:35	9° $\mathbb{M}$ 41'34			1441 Oct 16 j 13:24	30° $\mathbb{R}$ $\mathbb{L}$	
morning max el	1440 Nov 17 j 20:27	14° $\mathbb{M}$ 20'00	20°35'33	asc. node	1441 Oct 17 j 11:35	28° $\mathbb{L}$ 50'56	
	1440 Nov 30 j 02:03	0° $\mathbb{X}$		morning rise	1441 Oct 21 j 07:37	25° $\mathbb{L}$ 08'02	
desc. node	1440 Dec 08 j 06:38	12° $\mathbb{X}$ 04'59		direct	1441 Oct 24 j 17:57	24° $\mathbb{L}$ 00'06	
morning set	1440 Dec 16 j 14:12	24° $\mathbb{X}$ 48'06		morning max el	1441 Oct 31 j 23:46	28° $\mathbb{L}$ 05'49	19°30'51
	1440 Dec 19 j 22:01	0° $\mathbb{Z}$			1441 Nov 02 j 18:05	0° $\mathbb{M}$	
max. Earth dist.	1440 Dec 25 j 20:57	9° $\mathbb{Z}$ 29'24	1.43217 AU	greatest brilliancy	1441 Nov 14 j 11:52	16° $\mathbb{M}$ 12'26	-0.7m
					1441 Nov 23 j 12:19	0° $\mathbb{X}$	
superior conj	1441 Jan 01 j 08:28	20° $\mathbb{Z}$ 07'44	-2°00'17	desc. node	1441 Nov 25 j 03:42	2° $\mathbb{X}$ 32'14	
minimum elong	1441 Jan 01 j 04:53	19° $\mathbb{Z}$ 52'46	2°00'08	morning set	1441 Nov 25 j 12:25	3° $\mathbb{X}$ 05'59	
	1441 Jan 07 j 04:06	0° $\mathbb{A}$		max. Earth dist.	1441 Dec 08 j 10:27	23° $\mathbb{X}$ 18'01	1.44493 AU
evening rise	1441 Jan 13 j 13:13	11° $\mathbb{A}$ 08'15					
	1441 Jan 24 j 14:22	0° $\mathbb{H}$		superior conj	1441 Dec 12 j 06:40	29° $\mathbb{X}$ 25'06	-1°38'58
asc. node	1441 Jan 26 j 13:54	2° $\mathbb{H}$ 56'39		minimum elong	1441 Dec 11 j 22:29	28° $\mathbb{X}$ 52'20	1°38'16
evening max el	1441 Jan 30 j 18:48	8° $\mathbb{H}$ 05'18	18°08'00		1441 Dec 12 j 15:23	0° $\mathbb{Z}$	
retrograde	1441 Feb 06 j 07:17	11° $\mathbb{H}$ 29'12		evening rise	1441 Dec 26 j 08:02	22° $\mathbb{Z}$ 28'16	
evening set	1441 Feb 09 j 02:04	10° $\mathbb{H}$ 51'24			1441 Dec 30 j 19:45	0° $\mathbb{A}$	
inferior conj	1441 Feb 15 j 10:53	5° $\mathbb{H}$ 44'08	3°43'16	asc. node	1442 Jan 13 j 10:55	20° $\mathbb{A}$ 30'53	
minimum elong	1441 Feb 15 j 11:41	5° $\mathbb{H}$ 42'04	3°43'13	evening max el	1442 Jan 14 j 07:17	21° $\mathbb{A}$ 24'56	18°21'46
min. Earth dist.	1441 Feb 18 j 09:05	2° $\mathbb{H}$ 45'58	0.62081 AU	retrograde	1442 Jan 20 j 19:08	24° $\mathbb{A}$ 56'38	
morning rise	1441 Feb 21 j 20:04	29° $\mathbb{A}$ 47'08		evening set	1442 Jan 23 j 18:55	24° $\mathbb{A}$ 08'05	
	1441 Feb 21 j 13:03	30° $\mathbb{R}$ $\mathbb{A}$		inferior conj	1442 Jan 29 j 17:55	18° $\mathbb{A}$ 41'26	3°43'04
direct	1441 Feb 28 j 18:22	27° $\mathbb{A}$ 16'26		minimum elong	1442 Jan 29 j 16:56	18° $\mathbb{A}$ 44'15	3°42'59
desc. node	1441 Mar 06 j 05:51	28° $\mathbb{A}$ 39'22		min. Earth dist.	1442 Feb 01 j 01:16	16° $\mathbb{A}$ 04'04	0.63964 AU
	1441 Mar 08 j 14:39	0° $\mathbb{H}$		morning rise	1442 Feb 04 j 14:19	12° $\mathbb{A}$ 35'50	
morning max el	1441 Mar 14 j 20:01	5° $\mathbb{H}$ 10'30	27°49'06	direct	1442 Feb 11 j 12:03	9° $\mathbb{A}$ 47'34	
	1441 Apr 02 j 11:18	0° $\mathbb{Y}$		desc. node	1442 Feb 21 j 02:52	14° $\mathbb{A}$ 00'21	
morning set	1441 Apr 17 j 06:56	27° $\mathbb{Y}$ 04'39		morning max el	1442 Feb 25 j 04:32	17° $\mathbb{A}$ 40'13	27°33'43
	1441 Apr 18 j 17:05	0° $\mathbb{B}$			1442 Mar 07 j 12:28	0° $\mathbb{H}$	
max. Earth dist.	1441 Apr 23 j 00:30	9° $\mathbb{B}$ 07'35	1.32547 AU		1442 Mar 26 j 07:11	0° $\mathbb{Y}$	
				morning set	1442 Apr 01 j 02:42	11° $\mathbb{Y}$ 04'16	
superior conj	1441 Apr 24 j 17:43	12° $\mathbb{B}$ 50'53	0°02'01	max. Earth dist.	1442 Apr 06 j 03:19	21° $\mathbb{Y}$ 18'30	1.33272 AU
minimum elong	1441 Apr 24 j 17:37	12° $\mathbb{B}$ 50'21	0°02'00				
behind sun begin	1441 Apr 24 j 12:31	12° $\mathbb{B}$ 22'34		superior conj	1442 Apr 09 j 00:09	27° $\mathbb{Y}$ 22'19	-0°25'17
behind sun end	1441 Apr 24 j 22:44	13° $\mathbb{B}$ 18'10		minimum elong	1442 Apr 09 j 01:23	27° $\mathbb{Y}$ 28'57	0°25'00
asc. node	1441 Apr 24 j 13:12	12° $\mathbb{B}$ 26'16			1442 Apr 10 j 05:37	0° $\mathbb{B}$	
evening rise	1441 May 01 j 16:15	27° $\mathbb{B}$ 52'48		asc. node	1442 Apr 11 j 10:14	2° $\mathbb{B}$ 33'46	
	1441 May 02 j 16:24	0° $\mathbb{I}$		evening rise	1442 Apr 16 j 03:49	12° $\mathbb{B}$ 40'52	
	1441 May 19 j 21:52	0° $\mathbb{E}$			1442 Apr 25 j 00:13	0° $\mathbb{I}$	
evening max el	1441 May 26 j 14:55	7° $\mathbb{E}$ 43'10	24°18'55	evening max el	1442 May 08 j 05:27	18° $\mathbb{I}$ 12'55	22°42'57
desc. node	1441 Jun 02 j 05:09	12° $\mathbb{E}$ 42'50		desc. node	1442 May 20 j 02:07	24° $\mathbb{I}$ 42'31	
retrograde	1441 Jun 09 j 11:37	14° $\mathbb{E}$ 42'39		retrograde	1442 May 21 j 10:32	24° $\mathbb{I}$ 46'41	
evening set	1441 Jun 14 j 03:50	13° $\mathbb{E}$ 53'55		evening set	1442 May 24 j 15:58	24° $\mathbb{I}$ 23'48	
min. Earth dist.	1441 Jun 20 j 01:54	10° $\mathbb{E}$ 57'04	0.56668 AU	min. Earth dist.	1442 Jun 01 j 13:38	20° $\mathbb{I}$ 56'06	0.55372 AU
inferior conj	1441 Jun 22 j 17:31	9° $\mathbb{E}$ 16'56	-4°39'39	inferior conj	1442 Jun 02 j 22:02	20° $\mathbb{I}$ 09'45	-3°38'59
minimum elong	1441 Jun 22 j 13:05	9° $\mathbb{E}$ 23'58	4°39'08	minimum elong	1442 Jun 02 j 14:20	20° $\mathbb{I}$ 20'48	3°37'01
morning rise	1441 Jul 01 j 01:02	5° $\mathbb{E}$ 14'39		morning rise	1442 Jun 11 j 15:01	16° $\mathbb{I}$ 17'31	
direct	1441 Jul 03 j 16:50	4° $\mathbb{E}$ 55'41		direct	1442 Jun 14 j 11:47	15° $\mathbb{I}$ 58'31	
morning max el	1441 Jul 13 j 06:15	9° $\mathbb{E}$ 22'03	19°36'07	morning max el	1442 Jun 25 j 16:15	21° $\mathbb{I}$ 09'52	20°52'24
asc. node	1441 Jul 21 j 12:24	20° $\mathbb{E}$ 04'51			1442 Jul 02 j 23:43	0° $\mathbb{E}$	
	1441 Jul 27 j 01:25	0° $\mathbb{O}$		asc. node	1442 Jul 08 j 09:27	8° $\mathbb{E}$ 57'13	
morning set	1441 Jul 30 j 18:35	7° $\mathbb{O}$ 19'21		morning set	1442 Jul 15 j 01:31	22° $\mathbb{E}$ 00'27	
					1442 Jul 18 j 21:54	0° $\mathbb{O}$	
superior conj	1441 Aug 07 j 18:02	23° $\mathbb{O}$ 20'35	1°45'58				
minimum elong	1441 Aug 07 j 18:26	23° $\mathbb{O}$ 22'35	1°45'58	superior conj	1442 Jul 22 j 13:09	7° $\mathbb{O}$ 31'48	1°43'52

minimum elong	1442 Jul 22 j 12:03	7°Ω26'07	1°43'49	superior conj	1443 Jul 06 j 16:01	22°Ω06'36	1°35'15
max. Earth dist.	1442 Jul 27 j 02:34	16°Ω42'07	1.35745 AU	minimum elong	1443 Jul 06 j 13:58	21°Ω55'47	1°35'04
evening rise	1442 Jul 31 j 05:41	24°Ω37'52		max. Earth dist.	1443 Jul 09 j 19:33	28°Ω41'51	1.34272 AU
	1442 Aug 03 j 03:48	0°Π			1443 Jul 10 j 10:45	0°Ω	
desc. node	1442 Aug 16 j 01:28	21°Π23'45		evening rise	1443 Jul 14 j 13:45	8°Ω16'04	
	1442 Aug 21 j 23:33	0°Ω			1443 Jul 26 j 16:22	0°Π	
evening max el	1442 Sep 04 j 19:49	16°Ω37'48	26°22'51	desc. node	1443 Aug 02 j 22:28	11°Π13'01	
retrograde	1442 Sep 17 j 14:10	23°Ω49'21			1443 Aug 18 j 04:33	0°Ω	
evening set	1442 Sep 24 j 00:44	21°Ω09'37		evening max el	1443 Aug 18 j 07:52	0°Ω07'59	27°07'31
min. Earth dist.	1442 Sep 28 j 03:54	16°Ω49'01	0.66311 AU	retrograde	1443 Aug 31 j 15:25	7°Ω26'32	
inferior conj	1442 Sep 29 j 17:22	14°Ω54'46	-1°34'17	evening set	1443 Sep 07 j 13:18	4°Ω42'07	
minimum elong	1442 Sep 29 j 19:50	14°Ω47'12	1°33'16	min. Earth dist.	1443 Sep 11 j 09:42	0°Ω57'50	0.65123 AU
asc. node	1442 Oct 04 j 08:38	9°Ω59'32			1443 Sep 12 j 06:26	30°RΠ	
morning rise	1442 Oct 05 j 15:25	9°Ω07'13		inferior conj	1443 Sep 13 j 11:31	28°Π37'44	-2°31'51
direct	1442 Oct 08 j 16:02	8°Ω15'19		minimum elong	1443 Sep 13 j 15:30	28°Π26'33	2°30'23
morning max el	1442 Oct 15 j 09:49	11°Ω58'55	18°41'27	morning rise	1443 Sep 19 j 18:30	23°Π03'27	
	1442 Oct 28 j 09:39	0°Π		asc. node	1443 Sep 21 j 05:42	22°Π32'15	
morning set	1442 Nov 05 j 06:55	12°Π29'11		direct	1443 Sep 22 j 11:48	22°Π23'46	
desc. node	1442 Nov 12 j 00:43	23°Π09'34		morning max el	1443 Sep 29 j 00:17	25°Π54'23	18°08'33
	1442 Nov 16 j 08:59	0°♂			1443 Oct 02 j 11:42	0°Ω	
superior conj	1442 Nov 21 j 10:06	7°♂55'40	-0°59'50	morning set	1443 Oct 17 j 06:33	23°Ω19'22	
minimum elong	1442 Nov 21 j 02:44	7°♂26'43	0°58'56		1443 Oct 21 j 07:45	0°Π	
max. Earth dist.	1442 Nov 21 j 04:09	7°♂32'17	1.45083 AU	desc. node	1443 Oct 29 j 21:45	13°Π53'33	
	1442 Dec 05 j 09:04	0°Ω		superior conj	1443 Oct 31 j 14:34	16°Π36'07	-0°11'22
evening rise	1442 Dec 07 j 03:38	2°Ω50'03		minimum elong	1443 Oct 31 j 13:08	16°Π30'23	0°11'09
greatest brilliancy	1442 Dec 14 j 19:09	15°Ω04'13	-0.9m	behind sun begin	1443 Oct 31 j 05:10	15°Π58'43	
	1442 Dec 24 j 17:01	0°≈		behind sun end	1443 Oct 31 j 21:06	17°Π02'02	
evening max el	1442 Dec 28 j 17:56	4°≈50'42	18°53'36	max. Earth dist.	1443 Nov 03 j 22:52	21°Π53'45	1.44938 AU
asc. node	1442 Dec 31 j 07:56	7°≈06'33			1443 Nov 09 j 02:53	0°♂	
retrograde	1443 Jan 04 j 13:11	8°≈41'02		evening rise	1443 Nov 17 j 01:03	12°♂19'35	
evening set	1443 Jan 07 j 18:51	7°≈40'44			1443 Nov 28 j 12:38	0°Ω	
inferior conj	1443 Jan 13 j 11:02	1°≈57'00	3°27'00	greatest brilliancy	1443 Nov 29 j 22:19	2°Ω06'59	-0.7m
minimum elong	1443 Jan 13 j 08:54	2°≈03'39	3°26'39	evening max el	1443 Dec 12 j 00:46	18°Ω19'39	19°41'59
min. Earth dist.	1443 Jan 15 j 03:00	29°Ω53'02	0.65494 AU	asc. node	1443 Dec 18 j 04:58	22°Ω29'11	
	1443 Jan 15 j 00:43	30°RΩ		retrograde	1443 Dec 19 j 10:21	22°Ω37'30	
morning rise	1443 Jan 18 j 22:35	25°Ω46'32		evening set	1443 Dec 22 j 23:23	21°Ω24'00	
direct	1443 Jan 25 j 12:40	22°Ω55'02		inferior conj	1443 Dec 28 j 11:08	15°Ω25'46	2°59'12
	1443 Feb 06 j 23:56	0°≈		minimum elong	1443 Dec 28 j 08:30	15°Ω34'28	2°58'33
morning max el	1443 Feb 07 j 14:25	0°≈35'56	26°46'19	min. Earth dist.	1443 Dec 29 j 12:49	14°Ω01'07	0.66627 AU
desc. node	1443 Feb 07 j 23:54	0°≈59'58		morning rise	1444 Jan 02 j 17:22	9°Ω12'59	
	1443 Mar 01 j 12:27	0°♂		direct	1444 Jan 08 j 19:18	6°Ω30'34	
morning set	1443 Mar 15 j 11:47	24°♂27'48		morning max el	1444 Jan 20 j 23:29	13°Ω45'17	25°35'17
	1443 Mar 18 j 08:21	0°Υ		desc. node	1444 Jan 25 j 20:57	19°Ω10'05	
max. Earth dist.	1443 Mar 19 j 19:35	2°Υ54'56	1.34446 AU		1444 Feb 03 j 04:48	0°≈	
superior conj	1443 Mar 24 j 00:56	11°Υ31'55	-0°52'55		1444 Feb 22 j 07:00	0°♂	
minimum elong	1443 Mar 24 j 03:34	11°Υ45'35	0°52'25	morning set	1444 Feb 26 j 05:43	7°♂02'23	
asc. node	1443 Mar 29 j 07:16	22°Υ34'17		max. Earth dist.	1444 Feb 29 j 23:56	14°♂01'50	1.36074 AU
evening rise	1443 Mar 31 j 13:24	27°Υ17'21		superior conj	1444 Mar 06 j 17:29	25°♂12'35	-1°19'22
	1443 Apr 01 j 20:55	0°♂		minimum elong	1444 Mar 06 j 21:15	25°♂31'28	1°18'48
evening max el	1443 Apr 20 j 03:00	28°♂57'59	21°12'34		1444 Mar 09 j 02:30	0°Υ	
	1443 Apr 21 j 05:49	0°Π		evening rise	1444 Mar 14 j 18:58	11°Υ36'26	
retrograde	1443 May 02 j 00:37	4°Π46'01		asc. node	1444 Mar 15 j 04:18	12°Υ23'47	
evening set	1443 May 04 j 07:12	4°Π34'02			1444 Mar 24 j 14:36	0°♂	
desc. node	1443 May 06 j 23:07	3°Π51'52		evening max el	1444 Apr 01 j 11:58	10°♂19'12	19°57'11
inferior conj	1443 May 13 j 16:15	0°Π34'58	-1°55'27	retrograde	1444 Apr 11 j 16:03	15°♂13'21	
minimum elong	1443 May 13 j 10:53	0°Π42'31	1°53'35	evening set	1444 Apr 13 j 17:03	15°♂02'22	
min. Earth dist.	1443 May 14 j 02:05	0°Π21'07	0.54922 AU	inferior conj	1444 Apr 22 j 14:23	11°♂02'21	0°04'11
	1443 May 14 j 17:07	30°R♂		minimum elong	1444 Apr 22 j 14:34	11°♂02'04	0°04'06
morning rise	1443 May 22 j 14:47	26°♂34'19		transit middle	1444 Apr 22 j 14:34	11°♂02'04	0°04'06
direct	1443 May 25 j 21:30	26°♂11'00		transit begin	1444 Apr 22 j 10:43	11°♂07'55	
	1443 Jun 04 j 23:17	0°Π		transit end	1444 Apr 22 j 18:25	10°♂56'13	
morning max el	1443 Jun 07 j 15:29	2°Π15'02	22°25'48	desc. node	1444 Apr 22 j 20:10	10°♂53'33	
asc. node	1443 Jun 25 j 06:31	28°Π18'08		min. Earth dist.	1444 Apr 24 j 15:52	9°♂47'22	0.55448 AU
	1443 Jun 26 j 03:10	0°Ω		morning rise	1444 May 01 j 09:56	6°♂35'22	
morning set	1443 Jun 29 j 11:46	6°Ω52'08		direct	1444 May 05 j 12:11	5°♂58'29	



morning max el	1444 May 19 j 07:25	12° $\text{♄}$ 49'15	24°07'27		1445 May 06 j 22:22	0° $\text{♄}$	
	1444 Jun 01 j 11:37	0° $\text{♄}$			1445 May 25 j 04:34	0° $\text{♄}$	
asc. node	1444 Jun 11 j 03:34	17° $\text{♄}$ 59'43		morning set	1445 May 28 j 11:08	6° $\text{♄}$ 44'43	
morning set	1444 Jun 12 j 23:30	21° $\text{♄}$ 48'30		asc. node	1445 May 29 j 00:38	7° $\text{♄}$ 56'04	
	1444 Jun 16 j 19:13	0° $\text{♄}$					
superior conj	1444 Jun 19 j 23:54	6° $\text{♄}$ 55'52	1°21'22	superior conj	1445 Jun 04 j 10:41	21° $\text{♄}$ 52'51	1°03'12
minimum elong	1444 Jun 19 j 21:28	6° $\text{♄}$ 42'46	1°21'02	minimum elong	1445 Jun 04 j 08:23	21° $\text{♄}$ 40'18	1°02'48
max. Earth dist.	1444 Jun 21 j 21:45	11° $\text{♄}$ 02'44	1.33202 AU	max. Earth dist.	1445 Jun 05 j 06:52	23° $\text{♄}$ 43'26	1.32532 AU
evening rise	1444 Jun 27 j 08:55	22° $\text{♄}$ 26'58			1445 Jun 08 j 04:15	0° $\text{♄}$	
	1444 Jul 01 j 05:02	0° $\text{♄}$		evening rise	1445 Jun 11 j 11:52	7° $\text{♄}$ 00'37	
	1444 Jul 19 j 11:10	0° $\text{♄}$			1445 Jun 23 j 17:08	0° $\text{♄}$	
desc. node	1444 Jul 19 j 19:29	0° $\text{♄}$ 28'25		desc. node	1445 Jul 06 j 16:31	18° $\text{♄}$ 55'48	
evening max el	1444 Jul 30 j 18:51	13° $\text{♄}$ 18'28	27°25'49	evening max el	1445 Jul 13 j 02:13	25° $\text{♄}$ 55'44	27°12'27
retrograde	1444 Aug 13 j 10:34	20° $\text{♄}$ 36'39			1445 Jul 18 j 01:51	0° $\text{♄}$	
evening set	1444 Aug 20 j 14:57	17° $\text{♄}$ 58'05		retrograde	1445 Jul 26 j 22:40	3° $\text{♄}$ 10'49	
min. Earth dist.	1444 Aug 24 j 06:18	14° $\text{♄}$ 47'04	0.63584 AU	evening set	1445 Aug 03 j 01:45	0° $\text{♄}$ 50'48	
inferior conj	1444 Aug 26 j 20:50	12° $\text{♄}$ 08'15	-3°26'36		1445 Aug 04 j 07:10	30° $\text{♄}$ 0	
minimum elong	1444 Aug 27 j 01:51	11° $\text{♄}$ 55'28	3°25'05	min. Earth dist.	1445 Aug 06 j 16:23	28° $\text{♄}$ 04'38	0.61738 AU
morning rise	1444 Sep 02 j 13:55	6° $\text{♄}$ 50'33		inferior conj	1445 Aug 09 j 18:11	25° $\text{♄}$ 18'46	-4°13'58
direct	1444 Sep 05 j 02:32	6° $\text{♄}$ 19'29		minimum elong	1445 Aug 09 j 23:10	25° $\text{♄}$ 07'29	4°12'55
asc. node	1444 Sep 07 j 02:46	6° $\text{♄}$ 39'32		morning rise	1445 Aug 16 j 22:08	20° $\text{♄}$ 21'06	
morning max el	1444 Sep 11 j 16:21	9° $\text{♄}$ 45'14	17°53'05	direct	1445 Aug 19 j 08:44	19° $\text{♄}$ 55'46	
	1444 Sep 25 j 05:17	0° $\text{♄}$		asc. node	1445 Aug 24 j 23:50	22° $\text{♄}$ 14'43	
morning set	1444 Sep 28 j 08:08	5° $\text{♄}$ 24'38		morning max el	1445 Aug 26 j 07:06	23° $\text{♄}$ 24'42	17°56'01
					1445 Aug 31 j 12:41	0° $\text{♄}$	
superior conj	1444 Oct 10 j 15:11	26° $\text{♄}$ 17'46	0°34'18	morning set	1445 Sep 11 j 05:23	18° $\text{♄}$ 26'16	
minimum elong	1444 Oct 10 j 18:39	26° $\text{♄}$ 32'04	0°33'49		1445 Sep 17 j 14:56	0° $\text{♄}$	
	1444 Oct 12 j 21:25	0° $\text{♄}$		superior conj	1445 Sep 21 j 19:04	7° $\text{♄}$ 19'57	1°09'22
desc. node	1444 Oct 15 j 18:46	4° $\text{♄}$ 40'31		minimum elong	1445 Sep 21 j 23:44	7° $\text{♄}$ 40'10	1°08'49
max. Earth dist.	1444 Oct 16 j 16:07	6° $\text{♄}$ 06'04	1.44085 AU	max. Earth dist.	1445 Sep 29 j 05:25	19° $\text{♄}$ 52'29	1.42626 AU
evening rise	1444 Oct 26 j 09:40	21° $\text{♄}$ 21'53		desc. node	1445 Oct 02 j 15:49	25° $\text{♄}$ 27'20	
	1444 Nov 01 j 01:19	0° $\text{♄}$		evening rise	1445 Oct 05 j 22:13	0° $\text{♄}$ 39'07	
	1444 Nov 22 j 09:54	0° $\text{♄}$			1445 Oct 05 j 12:17	0° $\text{♄}$	
evening max el	1444 Nov 24 j 02:23	1° $\text{♄}$ 49'37	20°44'34		1445 Oct 25 j 15:29	0° $\text{♄}$	
retrograde	1444 Dec 02 j 08:06	6° $\text{♄}$ 41'49		evening max el	1445 Nov 06 j 22:20	15° $\text{♄}$ 20'20	21°57'52
asc. node	1444 Dec 04 j 02:01	6° $\text{♄}$ 24'42		retrograde	1445 Nov 16 j 04:41	20° $\text{♄}$ 51'02	
evening set	1444 Dec 06 j 06:25	5° $\text{♄}$ 13'23		evening set	1445 Nov 20 j 14:08	19° $\text{♄}$ 06'08	
	1444 Dec 10 j 23:06	30° $\text{♄}$ 0		asc. node	1445 Nov 20 j 23:04	18° $\text{♄}$ 47'23	
inferior conj	1444 Dec 11 j 15:40	29° $\text{♄}$ 03'35	2°22'26	inferior conj	1445 Nov 25 j 22:32	12° $\text{♄}$ 47'58	1°38'37
minimum elong	1444 Dec 11 j 13:06	29° $\text{♄}$ 12'24	2°21'37	minimum elong	1445 Nov 25 j 20:29	12° $\text{♄}$ 55'04	1°37'50
min. Earth dist.	1444 Dec 12 j 04:35	28° $\text{♄}$ 19'28	0.67365 AU	min. Earth dist.	1445 Nov 25 j 23:57	12° $\text{♄}$ 43'03	0.67735 AU
morning rise	1444 Dec 16 j 19:35	22° $\text{♄}$ 50'24		morning rise	1445 Dec 01 j 02:41	6° $\text{♄}$ 36'13	
direct	1444 Dec 22 j 06:58	20° $\text{♄}$ 25'43		direct	1445 Dec 05 j 22:54	4° $\text{♄}$ 33'37	
morning max el	1445 Jan 02 j 07:47	27° $\text{♄}$ 00'32	24°10'41	morning max el	1445 Dec 15 j 17:54	10° $\text{♄}$ 21'22	22°42'25
	1445 Jan 05 j 02:46	0° $\text{♄}$		desc. node	1445 Dec 29 j 15:02	27° $\text{♄}$ 45'13	
desc. node	1445 Jan 11 j 18:00	8° $\text{♄}$ 09'56			1445 Dec 31 j 05:02	0° $\text{♄}$	
	1445 Jan 26 j 20:17	0° $\text{♄}$		morning set	1446 Jan 18 j 20:40	28° $\text{♄}$ 40'14	
morning set	1445 Feb 07 j 02:45	18° $\text{♄}$ 31'50			1446 Jan 19 j 16:00	0° $\text{♄}$	
max. Earth dist.	1445 Feb 10 j 20:17	25° $\text{♄}$ 06'34	1.38065 AU	max. Earth dist.	1446 Jan 23 j 16:15	6° $\text{♄}$ 44'30	1.40211 AU
	1445 Feb 13 j 12:50	0° $\text{♄}$					
superior conj	1445 Feb 17 j 22:19	8° $\text{♄}$ 15'04	-1°42'21	superior conj	1446 Jan 31 j 10:55	20° $\text{♄}$ 26'55	-1°58'43
minimum elong	1445 Feb 18 j 02:29	8° $\text{♄}$ 34'57	1°41'56	minimum elong	1446 Jan 31 j 13:54	20° $\text{♄}$ 40'26	1°58'34
evening rise	1445 Feb 26 j 18:03	25° $\text{♄}$ 31'11			1446 Feb 05 j 14:53	0° $\text{♄}$	
	1445 Mar 01 j 01:00	0° $\text{♄}$		evening rise	1446 Feb 10 j 07:35	8° $\text{♄}$ 53'05	
asc. node	1445 Mar 02 j 01:21	1° $\text{♄}$ 57'23		asc. node	1446 Feb 16 j 22:24	21° $\text{♄}$ 08'22	
evening max el	1445 Mar 15 j 08:06	22° $\text{♄}$ 20'03	19°00'55		1446 Feb 22 j 10:49	0° $\text{♄}$	
retrograde	1445 Mar 23 j 21:37	26° $\text{♄}$ 28'55		evening max el	1446 Feb 26 j 12:44	4° $\text{♄}$ 53'17	18°24'43
evening set	1445 Mar 26 j 02:27	26° $\text{♄}$ 13'37		retrograde	1446 Mar 05 j 22:22	8° $\text{♄}$ 32'36	
inferior conj	1445 Apr 03 j 04:51	21° $\text{♄}$ 59'04	1°46'56	evening set	1446 Mar 08 j 08:50	8° $\text{♄}$ 09'58	
minimum elong	1445 Apr 03 j 08:34	21° $\text{♄}$ 52'34	1°45'47	inferior conj	1446 Mar 15 j 16:26	3° $\text{♄}$ 35'21	2°56'45
min. Earth dist.	1445 Apr 06 j 07:30	19° $\text{♄}$ 49'30	0.56823 AU	minimum elong	1446 Mar 15 j 20:14	3° $\text{♄}$ 27'34	2°55'55
desc. node	1445 Apr 09 j 17:12	17° $\text{♄}$ 46'53		min. Earth dist.	1446 Mar 19 j 02:57	0° $\text{♄}$ 47'46	0.58750 AU
morning rise	1445 Apr 11 j 11:39	16° $\text{♄}$ 58'19			1446 Mar 20 j 04:22	30° $\text{♄}$ 0	
direct	1445 Apr 16 j 15:27	15° $\text{♄}$ 55'27		morning rise	1446 Mar 23 j 04:57	28° $\text{♄}$ 05'06	
morning max el	1445 Apr 30 j 22:05	23° $\text{♄}$ 18'08	25°43'34	desc. node	1446 Mar 27 j 14:14	26° $\text{♄}$ 34'33	
				direct	1446 Mar 29 j 08:04	26° $\text{♄}$ 26'34	

	1446 Apr 07 j 19:33	0°♿		morning max el	1447 Mar 25 j 17:58	15°♿37'28	27°41'19
morning max el	1446 Apr 12 j 16:52	4°♿08'29	26°58'46		1447 Apr 06 j 11:33	0°♿	
	1446 May 01 j 14:16	0°♿			1447 Apr 24 j 01:44	0°♿	
morning set	1446 May 12 j 20:57	21°♿34'00		morning set	1447 Apr 27 j 03:08	6°♿10'15	
asc. node	1446 May 15 j 21:41	28°♿01'10		asc. node	1447 May 02 j 18:43	18°♿10'39	
	1446 May 16 j 19:35	0°♿		max. Earth dist.	1447 May 03 j 06:45	19°♿16'12	1.32321 AU
superior conj	1446 May 19 j 22:27	6°♿50'20	0°41'31	superior conj	1447 May 04 j 09:33	21°♿42'41	0°17'03
minimum elong	1446 May 19 j 20:45	6°♿40'54	0°41'11	minimum elong	1447 May 04 j 08:47	21°♿38'27	0°16'53
max. Earth dist.	1446 May 19 j 19:09	6°♿32'10	1.32239 AU		1447 May 08 j 04:25	0°♿	
evening rise	1446 May 26 j 19:51	21°♿47'15		evening rise	1447 May 11 j 06:42	6°♿39'44	
	1446 May 30 j 20:11	0°♿			1447 May 23 j 12:46	0°♿	
	1446 Jun 18 j 03:56	0°♿		evening max el	1447 Jun 06 j 21:07	18°♿54'31	25°10'49
desc. node	1446 Jun 23 j 13:33	6°♿14'38		desc. node	1447 Jun 10 j 10:33	21°♿57'17	
evening max el	1446 Jun 25 j 03:12	7°♿47'56	26°25'58	retrograde	1447 Jun 20 j 21:18	26°♿02'06	
retrograde	1446 Jul 09 j 02:49	15°♿00'30		evening set	1447 Jun 26 j 09:06	24°♿52'24	
evening set	1446 Jul 15 j 17:03	13°♿11'48		min. Earth dist.	1447 Jul 01 j 08:50	22°♿07'24	0.57679 AU
min. Earth dist.	1446 Jul 19 j 16:17	10°♿35'34	0.59692 AU	inferior conj	1447 Jul 04 j 10:54	20°♿01'25	-4°53'11
inferior conj	1446 Jul 22 j 23:58	7°♿59'30	-4°46'35	minimum elong	1447 Jul 04 j 09:31	20°♿03'48	4°53'08
minimum elong	1446 Jul 23 j 02:58	7°♿53'34	4°46'19	morning rise	1447 Jul 12 j 12:34	15°♿48'40	
morning rise	1446 Jul 30 j 14:57	3°♿24'32		direct	1447 Jul 15 j 02:01	15°♿29'12	
direct	1446 Aug 02 j 02:01	3°♿02'51		morning max el	1447 Jul 23 j 20:14	19°♿35'44	19°01'44
morning max el	1446 Aug 09 j 17:25	6°♿44'34	18°18'32	asc. node	1447 Jul 29 j 17:55	26°♿50'13	
asc. node	1446 Aug 11 j 20:52	9°♿03'16			1447 Jul 31 j 18:20	0°♿	
	1446 Aug 24 j 13:42	0°♿		morning set	1447 Aug 09 j 14:03	16°♿19'44	
morning set	1446 Aug 25 j 16:46	2°♿08'25			1447 Aug 16 j 12:29	0°♿	
superior conj	1446 Sep 03 j 23:30	19°♿34'51	1°32'04	superior conj	1447 Aug 17 j 22:52	2°♿46'09	1°43'37
minimum elong	1446 Sep 04 j 02:57	19°♿50'36	1°31'47	minimum elong	1447 Aug 18 j 00:21	2°♿53'17	1°43'34
	1446 Sep 09 j 19:46	0°♿		max. Earth dist.	1447 Aug 24 j 16:24	15°♿18'26	1.38702 AU
max. Earth dist.	1446 Sep 11 j 12:57	2°♿57'30	1.40745 AU	evening rise	1447 Aug 28 j 12:43	22°♿05'43	
evening rise	1446 Sep 16 j 05:20	10°♿48'28			1447 Sep 02 j 05:09	0°♿	
desc. node	1446 Sep 19 j 12:52	16°♿10'36		desc. node	1447 Sep 06 j 09:53	6°♿46'00	
	1446 Sep 28 j 11:57	0°♿			1447 Sep 22 j 10:16	0°♿	
evening max el	1446 Oct 20 j 13:26	28°♿53'03	23°17'10	evening max el	1447 Oct 03 j 01:49	12°♿29'08	24°36'23
	1446 Oct 21 j 16:59	0°♿		retrograde	1447 Oct 14 j 12:47	19°♿10'29	
retrograde	1446 Oct 30 j 22:37	5°♿02'07		evening set	1447 Oct 20 j 01:04	16°♿51'38	
evening set	1446 Nov 04 j 20:55	2°♿59'58		min. Earth dist.	1447 Oct 24 j 16:15	11°♿34'14	0.67455 AU
asc. node	1446 Nov 07 j 20:06	29°♿50'17		inferior conj	1447 Oct 25 j 11:57	10°♿28'32	-0°04'27
	1446 Nov 07 j 16:59	30°♿		minimum elong	1447 Oct 25 j 12:04	10°♿28'10	0°04'25
inferior conj	1446 Nov 10 j 05:53	26°♿37'15	0°49'14	transit middle	1447 Oct 25 j 12:04	10°♿28'10	0°04'25
minimum elong	1446 Nov 10 j 04:45	26°♿41'09	0°48'45	transit begin	1447 Oct 25 j 09:25	10°♿36'59	
min. Earth dist.	1446 Nov 09 j 20:39	27°♿08'58	0.67758 AU	transit end	1447 Oct 25 j 14:42	10°♿19'21	
morning rise	1446 Nov 15 j 12:32	20°♿28'52		asc. node	1447 Oct 25 j 17:07	10°♿11'19	
direct	1446 Nov 19 j 18:15	18°♿49'07		morning rise	1447 Oct 30 j 23:08	4°♿25'53	
morning max el	1446 Nov 28 j 09:17	23°♿51'09	21°19'00	direct	1447 Nov 03 j 15:57	3°♿07'11	
	1446 Dec 03 j 17:41	0°♿		morning max el	1447 Nov 11 j 08:05	7°♿30'59	20°06'18
desc. node	1446 Dec 16 j 12:05	17°♿46'15			1447 Nov 28 j 00:48	0°♿	
	1446 Dec 24 j 14:41	0°♿		desc. node	1447 Dec 03 j 09:07	8°♿05'19	
morning set	1446 Dec 29 j 10:00	7°♿28'53		morning set	1447 Dec 08 j 06:30	15°♿36'05	
max. Earth dist.	1447 Jan 05 j 17:48	19°♿15'35	1.42222 AU		1447 Dec 17 j 11:09	0°♿	
	1447 Jan 12 j 03:37	0°♿		max. Earth dist.	1447 Dec 19 j 02:42	2°♿37'39	1.43830 AU
superior conj	1447 Jan 13 j 02:04	1°♿36'14	-2°04'06	superior conj	1447 Dec 24 j 15:14	11°♿33'32	-1°53'37
minimum elong	1447 Jan 13 j 01:29	1°♿33'47	2°04'05	minimum elong	1447 Dec 24 j 09:22	11°♿09'33	1°53'16
evening rise	1447 Jan 24 j 07:53	21°♿34'11			1448 Jan 04 j 14:53	0°♿	
	1447 Jan 29 j 00:04	0°♿		evening rise	1448 Jan 06 j 14:36	3°♿25'18	
asc. node	1447 Feb 03 j 19:25	9°♿49'39		asc. node	1448 Jan 21 j 16:26	27°♿51'37	
evening max el	1447 Feb 09 j 22:47	17°♿50'59	18°08'28		1448 Jan 23 j 10:50	0°♿	
retrograde	1447 Feb 16 j 16:05	21°♿16'35		evening max el	1448 Jan 24 j 11:12	1°♿04'44	18°11'35
evening set	1447 Feb 19 j 07:51	20°♿44'46		retrograde	1448 Jan 30 j 22:26	4°♿30'28	
inferior conj	1447 Feb 25 j 23:56	15°♿49'23	3°33'58	evening set	1448 Feb 02 j 19:14	3°♿48'20	
minimum elong	1447 Feb 26 j 01:56	15°♿44'36	3°33'44		1448 Feb 07 j 14:25	30°♿	
min. Earth dist.	1447 Mar 01 j 05:04	12°♿47'45	0.60883 AU	inferior conj	1448 Feb 08 j 23:31	28°♿32'55	3°45'23
morning rise	1447 Mar 04 j 18:12	9°♿59'24		minimum elong	1448 Feb 08 j 23:30	28°♿32'58	3°45'23
direct	1447 Mar 11 j 12:22	7°♿44'59		min. Earth dist.	1448 Feb 11 j 15:48	25°♿41'10	0.62923 AU
desc. node	1447 Mar 14 j 11:16	8°♿09'01		morning rise	1448 Feb 15 j 02:45	22°♿31'34	

direct	1448 Feb 22 j 01:57	19° $\approx$ 51'13		inferior conj	1449 Jan 22 j 11:14	11° $\approx$ 38'35	3°37'51
desc. node	1448 Feb 29 j 08:17	22° $\approx$ 16'59		minimum elong	1449 Jan 22 j 09:41	11° $\approx$ 43'11	3°37'42
morning max el	1448 Mar 07 j 00:17	27° $\approx$ 46'25	27°46'44	min. Earth dist.	1449 Jan 24 j 12:02	9° $\approx$ 14'18	0.64668 AU
	1448 Mar 09 j 03:30	0° $\mathbb{X}$		morning rise	1449 Jan 28 j 03:26	5° $\approx$ 30'49	
	1448 Mar 30 j 04:41	0° $\mathbb{Y}$		direct	1449 Feb 03 j 22:48	2° $\approx$ 39'18	
morning set	1448 Apr 10 j 03:28	20° $\mathbb{Y}$ 25'59		desc. node	1449 Feb 15 j 05:19	8° $\approx$ 23'51	
	1448 Apr 14 j 18:30	0° $\mathbb{Z}$		morning max el	1449 Feb 17 j 09:26	10° $\approx$ 27'56	27°16'58
max. Earth dist.	1448 Apr 15 j 13:42	1° $\mathbb{Z}$ 42'00	1.32800 AU		1449 Mar 04 j 19:41	0° $\mathbb{X}$	
					1449 Mar 22 j 14:47	0° $\mathbb{Y}$	
superior conj	1448 Apr 17 j 18:15	6° $\mathbb{Z}$ 24'02	-0°09'28	morning set	1449 Mar 24 j 19:09	4° $\mathbb{Y}$ 11'50	
minimum elong	1448 Apr 17 j 18:43	6° $\mathbb{Z}$ 26'30	0°09'21	max. Earth dist.	1449 Mar 29 j 12:17	13° $\mathbb{Y}$ 38'28	1.33716 AU
behind sun begin	1448 Apr 17 j 14:27	6° $\mathbb{Z}$ 03'29					
behind sun end	1448 Apr 17 j 22:58	6° $\mathbb{Z}$ 49'31		superior conj	1449 Apr 01 j 22:37	20° $\mathbb{Y}$ 47'39	-0°37'01
asc. node	1448 Apr 18 j 15:45	8° $\mathbb{Z}$ 20'20		minimum elong	1449 Apr 02 j 00:27	20° $\mathbb{Y}$ 57'23	0°36'39
evening rise	1448 Apr 24 j 18:32	21° $\mathbb{Z}$ 31'33		asc. node	1449 Apr 05 j 12:47	28° $\mathbb{Y}$ 25'42	
	1448 Apr 28 j 21:21	0° $\mathbb{I}$			1449 Apr 06 j 06:29	0° $\mathbb{Z}$	
evening max el	1448 May 18 j 11:14	29° $\mathbb{I}$ 31'07	23°38'18	evening rise	1449 Apr 09 j 05:31	6° $\mathbb{Z}$ 15'59	
	1448 May 18 j 23:25	0° $\mathbb{G}$			1449 Apr 22 j 01:43	0° $\mathbb{I}$	
desc. node	1448 May 27 j 07:33	5° $\mathbb{G}$ 29'04		evening max el	1449 Apr 30 j 04:10	10° $\mathbb{I}$ 05'02	22°03'10
retrograde	1448 Jun 01 j 03:35	6° $\mathbb{G}$ 22'10		retrograde	1449 May 12 j 21:25	16° $\mathbb{I}$ 20'37	
evening set	1448 Jun 05 j 04:03	5° $\mathbb{G}$ 46'38		desc. node	1449 May 14 j 04:33	16° $\mathbb{I}$ 16'49	
min. Earth dist.	1448 Jun 11 j 21:45	2° $\mathbb{G}$ 37'54	0.56025 AU	evening set	1449 May 15 j 15:08	16° $\mathbb{I}$ 03'58	
inferior conj	1448 Jun 14 j 01:49	1° $\mathbb{G}$ 19'40	-4°19'55	min. Earth dist.	1449 May 24 j 09:36	12° $\mathbb{I}$ 19'22	0.55070 AU
minimum elong	1448 Jun 13 j 19:27	1° $\mathbb{G}$ 29'17	4°18'46	inferior conj	1449 May 25 j 00:33	11° $\mathbb{I}$ 58'25	-2°59'12
	1448 Jun 16 j 07:55	30° $\mathbb{R}$ $\mathbb{I}$		minimum elong	1449 May 24 j 17:07	12° $\mathbb{I}$ 08'51	2°56'58
morning rise	1448 Jun 22 j 13:30	27° $\mathbb{I}$ 23'05		morning rise	1449 Jun 02 j 20:36	8° $\mathbb{I}$ 04'59	
direct	1448 Jun 25 j 06:56	27° $\mathbb{I}$ 04'27		direct	1449 Jun 05 j 20:56	7° $\mathbb{I}$ 44'44	
	1448 Jul 03 j 08:12	0° $\mathbb{G}$		morning max el	1449 Jun 17 j 17:54	13° $\mathbb{I}$ 18'12	21°30'20
morning max el	1448 Jul 05 j 12:48	1° $\mathbb{G}$ 49'09	20°06'07		1449 Jun 30 j 01:02	0° $\mathbb{G}$	
asc. node	1448 Jul 15 j 14:59	15° $\mathbb{G}$ 22'31		asc. node	1449 Jul 02 j 12:02	4° $\mathbb{G}$ 28'23	
	1448 Jul 23 j 07:52	0° $\mathbb{Q}$		morning set	1449 Jul 08 j 02:52	15° $\mathbb{G}$ 39'20	
morning set	1448 Jul 23 j 18:14	0° $\mathbb{Q}$ 52'34			1449 Jul 14 j 22:57	0° $\mathbb{Q}$	
superior conj	1448 Jul 31 j 12:02	16° $\mathbb{Q}$ 39'34	1°45'58	superior conj	1449 Jul 15 j 10:51	1° $\mathbb{Q}$ 02'04	1°40'55
minimum elong	1448 Jul 31 j 11:44	16° $\mathbb{Q}$ 38'03	1°45'58	minimum elong	1449 Jul 15 j 09:17	0° $\mathbb{Q}$ 53'53	1°40'49
max. Earth dist.	1448 Aug 05 j 21:25	27° $\mathbb{Q}$ 13'19	1.36752 AU	max. Earth dist.	1449 Jul 19 j 09:28	9° $\mathbb{Q}$ 06'42	1.35078 AU
	1448 Aug 07 j 08:41	0° $\mathbb{P}$		evening rise	1449 Jul 23 j 18:36	17° $\mathbb{Q}$ 42'00	
evening rise	1448 Aug 09 j 18:42	4° $\mathbb{P}$ 27'55			1449 Jul 30 j 12:21	0° $\mathbb{P}$	
desc. node	1448 Aug 23 j 06:55	27° $\mathbb{P}$ 09'02		desc. node	1449 Aug 10 j 03:56	17° $\mathbb{P}$ 12'52	
	1448 Aug 25 j 03:42	0° $\mathbb{A}$			1449 Aug 19 j 09:54	0° $\mathbb{A}$	
evening max el	1448 Sep 14 j 13:43	26° $\mathbb{A}$ 08'37	25°48'06	evening max el	1449 Aug 28 j 01:59	9° $\mathbb{A}$ 45'08	26°44'40
	1448 Sep 19 j 01:15	0° $\mathbb{M}$		retrograde	1449 Sep 10 j 02:25	16° $\mathbb{A}$ 59'49	
retrograde	1448 Sep 26 j 22:14	3° $\mathbb{M}$ 11'52		evening set	1449 Sep 16 j 18:13	14° $\mathbb{A}$ 17'18	
evening set	1448 Oct 03 j 00:52	0° $\mathbb{M}$ 38'42		min. Earth dist.	1449 Sep 20 j 18:32	10° $\mathbb{A}$ 12'11	0.65853 AU
	1448 Oct 03 j 18:07	30° $\mathbb{R}$ $\mathbb{A}$		inferior conj	1449 Sep 22 j 13:03	8° $\mathbb{A}$ 06'37	-1°58'51
min. Earth dist.	1448 Oct 07 j 08:23	25° $\mathbb{A}$ 56'45	0.66827 AU	minimum elong	1449 Sep 22 j 16:11	7° $\mathbb{A}$ 57'21	1°57'36
inferior conj	1448 Oct 08 j 15:01	24° $\mathbb{A}$ 19'40	-1°01'02	asc. node	1449 Sep 28 j 11:13	2° $\mathbb{A}$ 28'58	
minimum elong	1448 Oct 08 j 16:35	24° $\mathbb{A}$ 14'39	1°00'21	morning rise	1449 Sep 28 j 14:43	2° $\mathbb{A}$ 24'11	
asc. node	1448 Oct 11 j 14:09	20° $\mathbb{A}$ 47'35		direct	1449 Oct 01 j 12:02	1° $\mathbb{A}$ 37'46	
morning rise	1448 Oct 14 j 08:35	18° $\mathbb{A}$ 25'30		morning max el	1449 Oct 08 j 02:33	5° $\mathbb{A}$ 14'31	18°25'22
direct	1448 Oct 17 j 14:30	17° $\mathbb{A}$ 24'46			1449 Oct 25 j 02:26	0° $\mathbb{M}$	
morning max el	1448 Oct 24 j 14:22	21° $\mathbb{A}$ 20'05	19°07'49	morning set	1449 Oct 27 j 17:53	4° $\mathbb{M}$ 16'06	
	1448 Oct 31 j 13:01	0° $\mathbb{M}$		desc. node	1449 Nov 06 j 03:12	19° $\mathbb{M}$ 18'02	
morning set	1448 Nov 16 j 11:05	24° $\mathbb{M}$ 15'31					
desc. node	1448 Nov 19 j 06:09	28° $\mathbb{M}$ 37'21		superior conj	1449 Nov 12 j 04:44	28° $\mathbb{M}$ 52'39	-0°39'39
	1448 Nov 20 j 03:19	0° $\mathbb{J}$		minimum elong	1449 Nov 11 j 23:35	28° $\mathbb{M}$ 32'26	0°38'58
max. Earth dist.	1448 Nov 30 j 18:01	16° $\mathbb{J}$ 38'15	1.44834 AU		1449 Nov 12 j 21:51	0° $\mathbb{J}$	
				max. Earth dist.	1449 Nov 13 j 13:00	0° $\mathbb{J}$ 59'32	1.45114 AU
superior conj	1448 Dec 03 j 03:43	20° $\mathbb{J}$ 26'05	-1°24'15	evening rise	1449 Nov 28 j 09:18	24° $\mathbb{J}$ 18'20	
minimum elong	1448 Dec 02 j 19:00	19° $\mathbb{J}$ 51'37	1°23'21		1449 Dec 02 j 00:04	0° $\mathbb{Z}$	
	1448 Dec 09 j 03:48	0° $\mathbb{Z}$		greatest brilliancy	1449 Dec 08 j 13:08	10° $\mathbb{Z}$ 15'17	-0.8m
evening rise	1448 Dec 17 j 23:40	14° $\mathbb{Z}$ 20'10		evening max el	1449 Dec 21 j 08:35	27° $\mathbb{Z}$ 55'56	19°12'20
	1448 Dec 27 j 13:36	0° $\mathbb{A}$			1449 Dec 23 j 15:19	0° $\mathbb{A}$	
evening max el	1449 Jan 06 j 23:16	14° $\mathbb{A}$ 28'01	18°33'15	asc. node	1449 Dec 25 j 10:29	1° $\mathbb{A}$ 09'52	
asc. node	1449 Jan 07 j 13:27	15° $\mathbb{A}$ 02'57		retrograde	1449 Dec 28 j 08:57	1° $\mathbb{A}$ 56'43	
retrograde	1449 Jan 13 j 13:13	18° $\mathbb{A}$ 06'03		evening set	1449 Dec 31 j 17:40	0° $\mathbb{A}$ 50'47	
evening set	1449 Jan 16 j 15:27	17° $\mathbb{A}$ 12'34			1450 Jan 01 j 20:43	30° $\mathbb{R}$ $\mathbb{Z}$	

inferior conj	1450 Jan 06 j 07:40	25° $\text{♄}$ 00'27	3°16'27	retrograde	1450 Dec 12 j 06:43	15° $\text{♄}$ 56'46	
minimum elong	1450 Jan 06 j 05:14	25° $\text{♄}$ 08'12	3°15'59	asc. node	1450 Dec 12 j 07:33	15° $\text{♄}$ 56'46	
min. Earth dist.	1450 Jan 07 j 17:17	23° $\text{♄}$ 13'07	0.66023 AU	evening set	1450 Dec 15 j 23:29	14° $\text{♄}$ 37'00	
morning rise	1450 Jan 11 j 16:34	18° $\text{♄}$ 48'59		inferior conj	1450 Dec 21 j 09:55	8° $\text{♄}$ 33'11	2°44'36
direct	1450 Jan 18 j 01:55	16° $\text{♄}$ 00'18		minimum elong	1450 Dec 21 j 07:15	8° $\text{♄}$ 42'10	2°43'51
morning max el	1450 Jan 30 j 19:09	23° $\text{♄}$ 31'06	26°18'35	min. Earth dist.	1450 Dec 22 j 05:54	7° $\text{♄}$ 26'05	0.66979 AU
desc. node	1450 Feb 02 j 02:22	25° $\text{♄}$ 56'44		morning rise	1450 Dec 26 j 14:49	2° $\text{♄}$ 19'58	
	1450 Feb 05 j 14:09	0° $\approx$			1450 Dec 30 j 13:22	30° $\text{♄}$ 7	
	1450 Feb 26 j 03:57	0° $\text{♄}$		direct	1451 Jan 01 j 10:35	29° $\text{♄}$ 44'35	
morning set	1450 Mar 07 j 22:29	17° $\text{♄}$ 16'52			1451 Jan 03 j 09:52	0° $\text{♄}$	
max. Earth dist.	1450 Mar 11 j 23:49	25° $\text{♄}$ 02'59	1.35089 AU	morning max el	1451 Jan 13 j 03:58	6° $\text{♄}$ 44'03	25°00'32
	1450 Mar 14 j 11:44	0° $\text{♄}$		desc. node	1451 Jan 19 j 23:25	14° $\text{♄}$ 29'52	
					1451 Jan 31 j 06:28	0° $\approx$	
superior conj	1450 Mar 16 j 20:19	4° $\text{♄}$ 46'42	-1°04'22	morning set	1451 Feb 18 j 08:18	29° $\approx$ 25'43	
minimum elong	1450 Mar 16 j 23:30	5° $\text{♄}$ 02'56	1°03'49		1451 Feb 18 j 15:58	0° $\text{♄}$	
asc. node	1450 Mar 23 j 09:50	18° $\text{♄}$ 22'44		max. Earth dist.	1451 Feb 22 j 00:17	6° $\text{♄}$ 05'45	1.36882 AU
evening rise	1450 Mar 24 j 13:44	20° $\text{♄}$ 46'52					
	1450 Mar 29 j 04:10	0° $\text{♄}$		superior conj	1451 Feb 28 j 08:19	18° $\text{♄}$ 11'53	-1°29'42
evening max el	1450 Apr 12 j 06:19	21° $\text{♄}$ 04'21	20°38'16	minimum elong	1451 Feb 28 j 12:23	18° $\text{♄}$ 31'54	1°29'09
retrograde	1450 Apr 23 j 10:28	26° $\text{♄}$ 29'31			1451 Mar 06 j 06:02	0° $\text{♄}$	
evening set	1450 Apr 25 j 13:08	26° $\text{♄}$ 18'40		evening rise	1451 Mar 08 j 16:52	4° $\text{♄}$ 56'26	
desc. node	1450 May 01 j 01:34	24° $\text{♄}$ 22'48		asc. node	1451 Mar 10 j 06:52	8° $\text{♄}$ 06'06	
inferior conj	1450 May 04 j 18:37	22° $\text{♄}$ 20'53	-1°04'35		1451 Mar 23 j 08:25	0° $\text{♄}$	
minimum elong	1450 May 04 j 15:33	22° $\text{♄}$ 25'17	1°03'28	evening max el	1451 Mar 25 j 20:07	2° $\text{♄}$ 42'08	19°30'48
min. Earth dist.	1450 May 05 j 22:14	21° $\text{♄}$ 41'11	0.55035 AU	retrograde	1451 Apr 04 j 07:10	7° $\text{♄}$ 15'54	
morning rise	1450 May 13 j 17:13	18° $\text{♄}$ 11'17		evening set	1451 Apr 06 j 08:57	7° $\text{♄}$ 03'42	
direct	1450 May 17 j 07:09	17° $\text{♄}$ 43'42		inferior conj	1451 Apr 14 j 22:36	2° $\text{♄}$ 58'24	0°51'11
morning max el	1450 May 30 j 13:26	24° $\text{♄}$ 08'08	23°08'42	minimum elong	1451 Apr 15 j 00:43	2° $\text{♄}$ 54'59	0°50'28
	1450 Jun 04 j 21:13	0° $\text{♄}$		min. Earth dist.	1451 Apr 17 j 12:46	1° $\text{♄}$ 18'53	0.55940 AU
asc. node	1450 Jun 19 j 09:07	23° $\text{♄}$ 59'15		desc. node	1451 Apr 17 j 22:36	1° $\text{♄}$ 03'39	
	1450 Jun 22 j 07:28	0° $\text{♄}$			1451 Apr 19 j 18:07	30° $\text{♄}$ 7	
morning set	1450 Jun 22 j 13:59	0° $\text{♄}$ 34'10		morning rise	1451 Apr 23 j 13:44	28° $\text{♄}$ 16'54	
				direct	1451 Apr 28 j 02:15	27° $\text{♄}$ 30'44	
superior conj	1450 Jun 29 j 16:11	15° $\text{♄}$ 44'12	1°29'56		1451 May 06 j 06:00	0° $\text{♄}$	
minimum elong	1450 Jun 29 j 13:55	15° $\text{♄}$ 32'04	1°29'41	morning max el	1451 May 12 j 04:16	4° $\text{♄}$ 37'13	24°49'57
max. Earth dist.	1450 Jul 02 j 06:46	21° $\text{♄}$ 16'08	1.33774 AU		1451 May 30 j 05:40	0° $\text{♄}$	
	1450 Jul 06 j 12:44	0° $\text{♄}$		asc. node	1451 Jun 06 j 06:11	13° $\text{♄}$ 47'53	
evening rise	1450 Jul 07 j 07:52	1° $\text{♄}$ 35'28		morning set	1451 Jun 07 j 01:54	15° $\text{♄}$ 31'24	
	1450 Jul 23 j 10:28	0° $\text{♄}$			1451 Jun 13 j 18:37	0° $\text{♄}$	
desc. node	1450 Jul 28 j 00:56	6° $\text{♄}$ 49'11		superior conj	1451 Jun 14 j 01:34	0° $\text{♄}$ 37'52	1°14'08
evening max el	1450 Aug 10 j 13:46	23° $\text{♄}$ 08'09	27°18'44	minimum elong	1451 Jun 13 j 23:09	0° $\text{♄}$ 24'41	1°13'46
	1450 Aug 21 j 00:28	0° $\text{♄}$		max. Earth dist.	1451 Jun 15 j 12:11	3° $\text{♄}$ 45'49	1.32867 AU
retrograde	1450 Aug 24 j 00:54	0° $\text{♄}$ 26'41		evening rise	1451 Jun 21 j 06:43	15° $\text{♄}$ 57'10	
	1450 Aug 26 j 22:16	30° $\text{♄}$ 7			1451 Jun 28 j 12:35	0° $\text{♄}$	
evening set	1450 Aug 31 j 02:32	27° $\text{♄}$ 43'06		desc. node	1451 Jul 14 j 21:57	25° $\text{♄}$ 46'30	
min. Earth dist.	1450 Sep 03 j 20:27	24° $\text{♄}$ 13'54	0.64518 AU		1451 Jul 18 j 07:04	0° $\text{♄}$	
inferior conj	1450 Sep 06 j 03:47	21° $\text{♄}$ 44'44	-2°55'38	evening max el	1451 Jul 23 j 23:19	6° $\text{♄}$ 05'38	27°24'05
minimum elong	1450 Sep 06 j 08:17	21° $\text{♄}$ 32'34	2°54'06	retrograde	1451 Aug 06 j 17:26	13° $\text{♄}$ 23'26	
morning rise	1450 Sep 12 j 14:58	16° $\text{♄}$ 17'18		evening set	1451 Aug 13 j 22:29	10° $\text{♄}$ 50'44	
direct	1450 Sep 15 j 06:00	15° $\text{♄}$ 41'38		min. Earth dist.	1451 Aug 17 j 12:36	7° $\text{♄}$ 51'56	0.62831 AU
asc. node	1450 Sep 15 j 08:18	15° $\text{♄}$ 41'41		inferior conj	1451 Aug 20 j 08:26	5° $\text{♄}$ 08'01	-3°47'56
morning max el	1450 Sep 21 j 18:06	19° $\text{♄}$ 08'48	17°59'49	minimum elong	1451 Aug 20 j 13:37	4° $\text{♄}$ 55'26	3°46'35
	1450 Sep 29 j 19:07	0° $\text{♄}$		morning rise	1451 Aug 27 j 06:08	29° $\text{♄}$ 58'48	
morning set	1450 Oct 09 j 05:12	15° $\text{♄}$ 40'05			1451 Aug 27 j 04:52	30° $\text{♄}$ 7	
	1450 Oct 17 j 19:21	0° $\text{♄}$		direct	1451 Aug 29 j 17:29	29° $\text{♄}$ 30'37	
superior conj	1450 Oct 22 j 15:58	7° $\text{♄}$ 53'58	0°09'02		1451 Sep 01 j 05:16	0° $\text{♄}$	
minimum elong	1450 Oct 22 j 17:01	7° $\text{♄}$ 58'15	0°08'52	asc. node	1451 Sep 02 j 05:23	0° $\text{♄}$ 28'17	
behind sun begin	1450 Oct 22 j 08:14	7° $\text{♄}$ 22'50		morning max el	1451 Sep 05 j 10:06	2° $\text{♄}$ 56'40	17°52'02
behind sun end	1450 Oct 23 j 01:49	8° $\text{♄}$ 33'36		morning set	1451 Sep 21 j 15:57	28° $\text{♄}$ 11'46	
desc. node	1450 Oct 24 j 00:14	10° $\text{♄}$ 03'34			1451 Sep 22 j 16:22	0° $\text{♄}$	
max. Earth dist.	1450 Oct 27 j 07:48	15° $\text{♄}$ 20'22	1.44655 AU	superior conj	1451 Oct 03 j 04:11	18° $\text{♄}$ 10'38	0°50'40
	1450 Nov 05 j 16:45	0° $\text{♄}$		minimum elong	1451 Oct 03 j 08:35	18° $\text{♄}$ 29'06	0°50'05
evening rise	1450 Nov 07 j 23:34	3° $\text{♄}$ 31'42		max. Earth dist.	1451 Oct 09 j 23:17	29° $\text{♄}$ 22'34	1.43523 AU
greatest brilliancy	1450 Nov 22 j 05:07	25° $\text{♄}$ 07'04	-0.6m		1451 Oct 10 j 08:33	0° $\text{♄}$	
	1450 Nov 25 j 13:51	0° $\text{♄}$		desc. node	1451 Oct 10 j 21:17	0° $\text{♄}$ 51'13	
evening max el	1450 Dec 04 j 13:12	11° $\text{♄}$ 24'41	20°07'04				

evening rise	1451 Oct 18 j 07:40	12° $\mathbb{M}$ 34'56			1452 Oct 02 j 02:03	0° $\mathbb{M}$	
	1451 Oct 29 j 19:45	0° $\mathbb{A}$			1452 Oct 23 j 00:10	0° $\mathbb{A}$	
evening max el	1451 Nov 17 j 12:17	24° $\mathbb{A}$ 54'34	21°14'41	evening max el	1452 Oct 30 j 06:02	8° $\mathbb{A}$ 26'07	22°31'13
	1451 Nov 25 j 08:39	0° $\mathbb{B}$		retrograde	1452 Nov 08 j 23:51	14° $\mathbb{A}$ 13'27	
retrograde	1451 Nov 26 j 04:17	0° $\mathbb{B}$ 03'29		evening set	1452 Nov 13 j 14:29	12° $\mathbb{A}$ 21'32	
	1451 Nov 26 j 23:34	30° $\mathbb{R}$ $\mathbb{A}$		asc. node	1452 Nov 15 j 01:37	10° $\mathbb{A}$ 58'26	
asc. node	1451 Nov 29 j 04:35	29° $\mathbb{A}$ 12'52		inferior conj	1452 Nov 18 j 22:59	6° $\mathbb{A}$ 01'04	1°18'17
evening set	1451 Nov 30 j 07:00	28° $\mathbb{A}$ 28'20		minimum elong	1452 Nov 18 j 21:16	6° $\mathbb{A}$ 06'58	1°17'36
inferior conj	1451 Dec 05 j 15:42	22° $\mathbb{A}$ 14'22	2°04'39	min. Earth dist.	1452 Nov 18 j 19:54	6° $\mathbb{A}$ 11'44	0.67789 AU
minimum elong	1451 Dec 05 j 13:17	22° $\mathbb{A}$ 22'41	2°03'48		1452 Nov 23 j 23:20	30° $\mathbb{R}$ $\mathbb{M}$	
min. Earth dist.	1451 Dec 05 j 23:37	21° $\mathbb{A}$ 47'05	0.67560 AU	morning rise	1452 Nov 24 j 03:55	29° $\mathbb{M}$ 50'17	
morning rise	1451 Dec 10 j 19:23	16° $\mathbb{A}$ 01'18		direct	1452 Nov 28 j 17:53	27° $\mathbb{M}$ 57'14	
direct	1451 Dec 16 j 00:14	13° $\mathbb{A}$ 45'41			1452 Dec 04 j 02:00	0° $\mathbb{A}$	
morning max el	1451 Dec 26 j 12:39	20° $\mathbb{A}$ 01'38	23°33'00	morning max el	1452 Dec 08 j 00:26	3° $\mathbb{A}$ 24'59	22°05'47
	1452 Jan 04 j 00:25	0° $\mathbb{B}$		desc. node	1452 Dec 23 j 17:32	23° $\mathbb{A}$ 33'28	
desc. node	1452 Jan 06 j 20:28	3° $\mathbb{B}$ 46'16			1452 Dec 28 j 03:13	0° $\mathbb{B}$	
	1452 Jan 24 j 11:31	0° $\approx$		morning set	1453 Jan 09 j 23:42	19° $\mathbb{B}$ 54'04	
morning set	1452 Jan 30 j 18:26	10° $\approx$ 22'04		max. Earth dist.	1453 Jan 15 j 16:19	29° $\mathbb{B}$ 15'34	1.41100 AU
max. Earth dist.	1452 Feb 03 j 18:58	17° $\approx$ 18'10	1.38969 AU		1453 Jan 16 j 02:54	0° $\approx$	
	1452 Feb 10 j 19:17	0° $\mathbb{H}$		superior conj	1453 Jan 23 j 10:54	12° $\approx$ 40'24	-2°02'38
superior conj	1452 Feb 11 j 06:47	0° $\mathbb{H}$ 53'42	-1°50'21	minimum elong	1453 Jan 23 j 12:41	12° $\approx$ 48'18	2°02'36
minimum elong	1452 Feb 11 j 10:41	1° $\mathbb{H}$ 11'58	1°50'02		1453 Feb 01 j 22:33	0° $\mathbb{H}$	
evening rise	1452 Feb 20 j 12:15	18° $\mathbb{H}$ 37'35		evening rise	1453 Feb 02 j 20:35	1° $\mathbb{H}$ 42'34	
asc. node	1452 Feb 25 j 03:54	27° $\mathbb{H}$ 30'34		asc. node	1453 Feb 11 j 00:55	16° $\mathbb{H}$ 29'43	
	1452 Feb 26 j 12:31	0° $\mathbb{Y}$		evening max el	1453 Feb 19 j 03:38	27° $\mathbb{H}$ 42'33	18°15'30
evening max el	1452 Mar 07 j 20:14	14° $\mathbb{Y}$ 57'33	18°43'08		1453 Feb 22 j 01:19	0° $\mathbb{Y}$	
retrograde	1452 Mar 15 j 20:34	18° $\mathbb{Y}$ 51'45		retrograde	1453 Feb 26 j 04:44	1° $\mathbb{Y}$ 13'46	
evening set	1452 Mar 18 j 03:41	18° $\mathbb{Y}$ 33'43		evening set	1453 Feb 28 j 17:41	0° $\mathbb{Y}$ 47'17	
inferior conj	1452 Mar 25 j 21:52	14° $\mathbb{Y}$ 11'20	2°20'48		1453 Mar 02 j 12:08	30° $\mathbb{R}$ $\mathbb{H}$	
minimum elong	1452 Mar 26 j 01:58	14° $\mathbb{Y}$ 03'39	2°19'40	inferior conj	1453 Mar 07 j 18:13	26° $\mathbb{H}$ 04'00	3°16'09
min. Earth dist.	1452 Mar 29 j 06:02	11° $\mathbb{Y}$ 42'38	0.57591 AU	minimum elong	1453 Mar 07 j 21:22	25° $\mathbb{H}$ 57'07	3°15'36
morning rise	1452 Apr 02 j 21:09	8° $\mathbb{Y}$ 56'44		min. Earth dist.	1453 Mar 11 j 03:52	23° $\mathbb{H}$ 07'20	0.59651 AU
desc. node	1452 Apr 03 j 19:38	8° $\mathbb{Y}$ 33'14		morning rise	1453 Mar 14 j 22:45	20° $\mathbb{H}$ 24'31	
direct	1452 Apr 08 j 11:38	7° $\mathbb{Y}$ 39'07		direct	1453 Mar 21 j 09:45	18° $\mathbb{H}$ 29'54	
morning max el	1452 Apr 22 j 20:10	15° $\mathbb{Y}$ 12'12	26°18'53	desc. node	1453 Mar 21 j 16:40	18° $\mathbb{H}$ 30'07	
	1452 May 04 j 17:59	0° $\mathbb{B}$		morning max el	1453 Apr 04 j 17:18	26° $\mathbb{H}$ 16'55	27°21'20
	1452 May 21 j 08:09	0° $\mathbb{I}$			1453 Apr 08 j 05:13	0° $\mathbb{Y}$	
morning set	1452 May 21 j 12:56	0° $\mathbb{I}$ 25'11			1453 Apr 28 j 04:13	0° $\mathbb{B}$	
asc. node	1452 May 23 j 03:12	3° $\mathbb{I}$ 48'22		morning set	1453 May 05 j 21:26	15° $\mathbb{B}$ 09'51	
				asc. node	1453 May 10 j 00:13	23° $\mathbb{B}$ 55'59	
superior conj	1452 May 28 j 12:59	15° $\mathbb{I}$ 35'56	0°54'24	max. Earth dist.	1453 May 12 j 11:21	29° $\mathbb{B}$ 19'08	1.32225 AU
minimum elong	1452 May 28 j 10:53	15° $\mathbb{I}$ 24'25	0°54'01		1453 May 12 j 18:48	0° $\mathbb{I}$	
max. Earth dist.	1452 May 28 j 22:53	16° $\mathbb{I}$ 30'23	1.32357 AU	superior conj	1453 May 13 j 00:41	0° $\mathbb{I}$ 32'21	0°31'28
	1452 Jun 04 j 04:56	0° $\mathbb{B}$		minimum elong	1453 May 12 j 23:19	0° $\mathbb{I}$ 24'53	0°31'11
evening rise	1452 Jun 04 j 12:04	0° $\mathbb{B}$ 37'19		evening rise	1453 May 19 j 21:32	15° $\mathbb{I}$ 27'53	
	1452 Jun 20 j 14:22	0° $\mathbb{Q}$			1453 May 27 j 04:08	0° $\mathbb{B}$	
desc. node	1452 Jun 30 j 18:58	13° $\mathbb{Q}$ 47'54		evening max el	1453 Jun 17 j 02:26	29° $\mathbb{B}$ 58'35	25°57'09
evening max el	1452 Jul 05 j 04:15	18° $\mathbb{Q}$ 25'01	26°56'43		1453 Jun 17 j 03:02	0° $\mathbb{Q}$	
retrograde	1452 Jul 19 j 02:42	25° $\mathbb{Q}$ 39'34		desc. node	1453 Jun 17 j 15:57	0° $\mathbb{Q}$ 30'17	
evening set	1452 Jul 26 j 01:39	23° $\mathbb{Q}$ 31'35		retrograde	1453 Jul 01 j 02:48	7° $\mathbb{Q}$ 08'53	
min. Earth dist.	1452 Jul 29 j 18:25	20° $\mathbb{Q}$ 51'34	0.60876 AU	evening set	1453 Jul 07 j 07:20	5° $\mathbb{Q}$ 36'46	
inferior conj	1452 Aug 01 j 23:38	18° $\mathbb{Q}$ 07'24	-4°30'12	min. Earth dist.	1453 Jul 11 j 14:59	2° $\mathbb{Q}$ 58'50	0.58820 AU
minimum elong	1452 Aug 02 j 04:05	17° $\mathbb{Q}$ 57'54	4°29'30	inferior conj	1453 Jul 14 j 21:50	0° $\mathbb{Q}$ 33'24	-4°53'25
morning rise	1452 Aug 09 j 08:18	13° $\mathbb{Q}$ 19'05		minimum elong	1453 Jul 14 j 23:14	0° $\mathbb{Q}$ 30'47	4°53'21
direct	1452 Aug 11 j 18:38	12° $\mathbb{Q}$ 55'41			1453 Jul 15 j 15:55	30° $\mathbb{R}$ $\mathbb{B}$	
morning max el	1452 Aug 18 j 23:23	16° $\mathbb{Q}$ 29'12	18°03'04	morning rise	1453 Jul 22 j 17:22	26° $\mathbb{B}$ 07'44	
asc. node	1452 Aug 19 j 02:25	16° $\mathbb{Q}$ 36'38		direct	1453 Jul 25 j 05:18	25° $\mathbb{B}$ 47'04	
	1452 Aug 28 j 11:28	0° $\mathbb{M}$		morning max el	1453 Aug 02 j 06:48	29° $\mathbb{B}$ 37'53	18°34'11
morning set	1452 Sep 03 j 19:50	11° $\mathbb{M}$ 32'26			1453 Aug 02 j 15:55	0° $\mathbb{Q}$	
				asc. node	1453 Aug 05 j 23:28	3° $\mathbb{Q}$ 51'49	
superior conj	1452 Sep 13 j 19:08	29° $\mathbb{M}$ 45'31	1°20'27	morning set	1453 Aug 18 j 11:54	25° $\mathbb{Q}$ 28'31	
minimum elong	1452 Sep 13 j 23:29	0° $\mathbb{B}$ 04'44	1°20'00		1453 Aug 20 j 19:58	0° $\mathbb{M}$	
	1452 Sep 13 j 22:24	0° $\mathbb{B}$		superior conj	1453 Aug 27 j 08:19	12° $\mathbb{M}$ 26'10	1°38'13
max. Earth dist.	1452 Sep 21 j 09:46	12° $\mathbb{B}$ 51'14	1.41865 AU	minimum elong	1453 Aug 27 j 10:57	12° $\mathbb{M}$ 38'29	1°38'03
desc. node	1452 Sep 26 j 18:19	21° $\mathbb{B}$ 37'05					
evening rise	1452 Sep 27 j 02:51	22° $\mathbb{B}$ 11'17					

max. Earth dist.	1453 Sep 03 j 15:27	25° $\mathbb{M}$ 37'59	1.39893 AU	max. Earth dist.	1454 Aug 16 j 19:12	7° $\mathbb{M}$ 46'30	1.37854 AU
	1453 Sep 06 j 04:11	0° $\mathbb{A}$		evening rise	1454 Aug 20 j 13:39	14° $\mathbb{M}$ 34'54	
evening rise	1453 Sep 07 j 20:14	2° $\mathbb{A}$ 49'20			1454 Aug 29 j 17:49	0° $\mathbb{A}$	
desc. node	1453 Sep 13 j 15:20	12° $\mathbb{A}$ 17'25		desc. node	1454 Aug 31 j 12:20	2° $\mathbb{A}$ 48'04	
	1453 Sep 25 j 08:44	0° $\mathbb{M}$			1454 Sep 20 j 02:59	0° $\mathbb{M}$	
evening max el	1453 Oct 12 j 19:53	22° $\mathbb{M}$ 00'39	23°51'16	evening max el	1454 Sep 25 j 07:51	5° $\mathbb{M}$ 38'27	25°08'10
retrograde	1453 Oct 23 j 16:08	28° $\mathbb{M}$ 23'38		retrograde	1454 Oct 07 j 04:19	12° $\mathbb{M}$ 30'04	
evening set	1453 Oct 28 j 20:20	26° $\mathbb{M}$ 14'19		evening set	1454 Oct 12 j 22:54	10° $\mathbb{M}$ 04'27	
asc. node	1453 Nov 01 j 22:40	21° $\mathbb{M}$ 37'02		min. Earth dist.	1454 Oct 17 j 10:41	5° $\mathbb{M}$ 02'13	0.67235 AU
min. Earth dist.	1453 Nov 02 j 16:22	20° $\mathbb{M}$ 37'29	0.67679 AU	inferior conj	1454 Oct 18 j 11:01	3° $\mathbb{M}$ 42'39	-0°28'12
inferior conj	1453 Nov 03 j 05:59	19° $\mathbb{M}$ 51'11	0°26'54	minimum elong	1454 Oct 18 j 11:44	3° $\mathbb{M}$ 40'20	0°27'53
minimum elong	1453 Nov 03 j 05:21	19° $\mathbb{M}$ 53'22	0°26'37	asc. node	1454 Oct 19 j 19:43	1° $\mathbb{M}$ 57'25	
morning rise	1453 Nov 08 j 14:20	13° $\mathbb{M}$ 45'01			1454 Oct 21 j 11:33	30° $\mathbb{R}$ $\mathbb{A}$	
direct	1453 Nov 12 j 14:27	12° $\mathbb{M}$ 14'21		morning rise	1454 Oct 24 j 00:44	27° $\mathbb{A}$ 43'34	
morning max el	1453 Nov 20 j 18:44	16° $\mathbb{M}$ 58'24	20°46'25	direct	1454 Oct 27 j 12:40	26° $\mathbb{A}$ 33'00	
	1453 Dec 01 j 04:45	0° $\mathbb{A}$			1454 Nov 03 j 03:17	0° $\mathbb{M}$	
desc. node	1453 Dec 10 j 14:35	13° $\mathbb{A}$ 42'50		morning max el	1454 Nov 03 j 20:57	0° $\mathbb{M}$ 43'04	19°39'35
morning set	1453 Dec 20 j 03:20	28° $\mathbb{A}$ 16'45		greatest brilliancy	1454 Nov 17 j 05:10	18° $\mathbb{M}$ 29'08	-0.7m
	1453 Dec 21 j 05:47	0° $\mathbb{B}$			1454 Nov 24 j 19:08	0° $\mathbb{A}$	
max. Earth dist.	1453 Dec 28 j 21:26	12° $\mathbb{B}$ 10'57	1.42976 AU	desc. node	1454 Nov 27 j 11:37	4° $\mathbb{A}$ 08'05	
				morning set	1454 Nov 29 j 00:17	6° $\mathbb{A}$ 29'41	
superior conj	1454 Jan 04 j 15:21	23° $\mathbb{B}$ 19'29	-2°01'51	max. Earth dist.	1454 Dec 11 j 09:55	25° $\mathbb{A}$ 53'42	1.44341 AU
minimum elong	1454 Jan 04 j 12:36	23° $\mathbb{B}$ 07'52	2°01'47		1454 Dec 13 j 23:45	0° $\mathbb{B}$	
	1454 Jan 08 j 13:30	0° $\mathbb{A}$					
evening rise	1454 Jan 16 j 13:54	14° $\mathbb{A}$ 03'02		superior conj	1454 Dec 15 j 17:18	2° $\mathbb{B}$ 46'42	-1°43'27
	1454 Jan 25 j 18:02	0° $\mathbb{A}$		minimum elong	1454 Dec 15 j 09:35	2° $\mathbb{B}$ 15'38	1°42'50
asc. node	1454 Jan 28 j 21:57	4° $\mathbb{A}$ 55'11		evening rise	1454 Dec 29 j 11:57	25° $\mathbb{B}$ 31'31	
evening max el	1454 Feb 02 j 15:02	10° $\mathbb{A}$ 47'34	18°07'28		1455 Jan 01 j 03:30	0° $\mathbb{A}$	
retrograde	1454 Feb 09 j 04:27	14° $\mathbb{A}$ 11'32		asc. node	1455 Jan 15 j 18:59	22° $\mathbb{A}$ 37'14	
evening set	1454 Feb 11 j 22:26	13° $\mathbb{A}$ 35'18		evening max el	1455 Jan 17 j 03:35	24° $\mathbb{A}$ 05'49	18°18'30
inferior conj	1454 Feb 18 j 09:00	8° $\mathbb{A}$ 30'57	3°41'32	retrograde	1455 Jan 23 j 15:03	27° $\mathbb{A}$ 35'44	
minimum elong	1454 Feb 18 j 10:08	8° $\mathbb{A}$ 28'08	3°41'27	evening set	1455 Jan 26 j 14:00	26° $\mathbb{A}$ 48'55	
min. Earth dist.	1454 Feb 21 j 09:08	5° $\mathbb{A}$ 31'15	0.61775 AU	inferior conj	1455 Feb 01 j 14:17	21° $\mathbb{A}$ 25'06	3°44'10
morning rise	1454 Feb 24 j 20:26	2° $\mathbb{A}$ 35'33		minimum elong	1455 Feb 01 j 13:32	21° $\mathbb{A}$ 27'12	3°44'08
direct	1454 Mar 03 j 17:56	0° $\mathbb{A}$ 08'48		min. Earth dist.	1455 Feb 03 j 23:59	18° $\mathbb{A}$ 43'28	0.63706 AU
desc. node	1454 Mar 08 j 13:43	1° $\mathbb{A}$ 13'06		morning rise	1455 Feb 07 j 12:18	15° $\mathbb{A}$ 20'19	
morning max el	1454 Mar 17 j 20:45	8° $\mathbb{A}$ 02'31	27°48'21	direct	1455 Feb 14 j 10:36	12° $\mathbb{A}$ 33'39	
	1454 Apr 03 j 16:14	0° $\mathbb{Y}$		desc. node	1455 Feb 23 j 10:46	16° $\mathbb{A}$ 16'04	
morning set	1454 Apr 20 j 01:24	29° $\mathbb{Y}$ 37'47		morning max el	1455 Feb 28 j 04:54	20° $\mathbb{A}$ 27'30	27°38'08
	1454 Apr 20 j 05:45	0° $\mathbb{B}$			1455 Mar 08 j 10:29	0° $\mathbb{A}$	
max. Earth dist.	1454 Apr 25 j 21:36	11° $\mathbb{B}$ 57'21	1.32475 AU		1455 Mar 27 j 16:59	0° $\mathbb{Y}$	
asc. node	1454 Apr 26 j 21:15	14° $\mathbb{B}$ 05'36		morning set	1455 Apr 03 j 22:26	13° $\mathbb{Y}$ 41'35	
				max. Earth dist.	1455 Apr 09 j 01:36	24° $\mathbb{Y}$ 12'00	1.33136 AU
superior conj	1454 Apr 27 j 10:56	15° $\mathbb{B}$ 20'08	0°06'03				
minimum elong	1454 Apr 27 j 10:39	15° $\mathbb{B}$ 18'36	0°05'59	superior conj	1455 Apr 11 j 18:01	29° $\mathbb{Y}$ 53'57	-0°21'05
behind sun begin	1454 Apr 27 j 05:53	14° $\mathbb{B}$ 52'36		minimum elong	1455 Apr 11 j 19:03	29° $\mathbb{Y}$ 59'29	0°20'52
behind sun end	1454 Apr 27 j 15:25	15° $\mathbb{B}$ 44'37			1455 Apr 11 j 19:09	0° $\mathbb{B}$	
evening rise	1454 May 04 j 09:00	0° $\mathbb{B}$ 20'36		asc. node	1455 Apr 13 j 18:17	4° $\mathbb{B}$ 13'24	
	1454 May 04 j 05:08	0° $\mathbb{B}$		evening rise	1455 Apr 18 j 20:42	15° $\mathbb{B}$ 09'22	
	1454 May 20 j 18:36	0° $\mathbb{B}$			1455 Apr 26 j 07:44	0° $\mathbb{B}$	
evening max el	1454 May 29 j 18:04	10° $\mathbb{B}$ 49'01	24°32'45	evening max el	1455 May 11 j 08:10	21° $\mathbb{B}$ 18'48	22°57'10
desc. node	1454 Jun 04 j 12:57	15° $\mathbb{B}$ 21'43		desc. node	1455 May 22 j 09:58	27° $\mathbb{B}$ 46'04	
retrograde	1454 Jun 12 j 15:53	17° $\mathbb{B}$ 51'05		retrograde	1455 May 24 j 16:50	27° $\mathbb{B}$ 57'59	
evening set	1454 Jun 17 j 13:30	16° $\mathbb{B}$ 57'06		evening set	1455 May 28 j 02:49	27° $\mathbb{B}$ 32'22	
min. Earth dist.	1454 Jun 23 j 05:10	14° $\mathbb{B}$ 03'50	0.56918 AU	min. Earth dist.	1455 Jun 04 j 17:07	24° $\mathbb{B}$ 09'55	0.55513 AU
inferior conj	1454 Jun 26 j 00:07	12° $\mathbb{B}$ 16'27	-4°44'43	inferior conj	1455 Jun 06 j 07:05	23° $\mathbb{B}$ 15'01	-3°51'15
minimum elong	1454 Jun 25 j 20:28	12° $\mathbb{B}$ 22'22	4°44'21	minimum elong	1455 Jun 05 j 23:33	23° $\mathbb{B}$ 25'58	3°49'29
morning rise	1454 Jul 04 j 06:09	8° $\mathbb{B}$ 11'50		morning rise	1455 Jun 14 j 22:46	19° $\mathbb{B}$ 22'15	
direct	1454 Jul 06 j 21:21	7° $\mathbb{B}$ 52'45		direct	1455 Jun 17 j 18:27	19° $\mathbb{B}$ 03'30	
morning max el	1454 Jul 16 j 05:27	12° $\mathbb{B}$ 13'21	19°26'32	morning max el	1455 Jun 28 j 17:11	24° $\mathbb{B}$ 07'43	20°39'53
asc. node	1454 Jul 23 j 20:30	21° $\mathbb{B}$ 59'06			1455 Jul 03 j 21:29	0° $\mathbb{B}$	
	1454 Jul 28 j 11:06	0° $\mathbb{B}$		asc. node	1455 Jul 10 j 17:33	10° $\mathbb{B}$ 46'12	
morning set	1454 Aug 02 j 12:28	9° $\mathbb{B}$ 49'54		morning set	1455 Jul 17 j 18:46	24° $\mathbb{B}$ 28'52	
					1455 Jul 20 j 10:53	0° $\mathbb{B}$	
superior conj	1454 Aug 10 j 14:08	25° $\mathbb{B}$ 56'59	1°45'38				
minimum elong	1454 Aug 10 j 14:49	26° $\mathbb{B}$ 00'19	1°45'37	superior conj	1455 Jul 25 j 07:51	10° $\mathbb{B}$ 03'53	1°44'38
	1454 Aug 12 j 16:11	0° $\mathbb{B}$		minimum elong	1455 Jul 25 j 06:56	9° $\mathbb{B}$ 59'14	1°44'36

max. Earth dist.	1455 Jul 30 j 02:25	19° $\Omega$ 36'23	1.35992 AU	minimum elong	1456 Jul 08 j 07:52	24° $\mathfrak{D}$ 25'49	1°36'45
evening rise	1455 Aug 03 j 03:46	27° $\Omega$ 20'05			1456 Jul 10 j 23:50	0° $\Omega$	
	1455 Aug 04 j 14:29	0° $\mathfrak{M}$		max. Earth dist.	1456 Jul 11 j 18:05	1° $\Omega$ 33'56	1.34467 AU
desc. node	1455 Aug 18 j 09:19	23° $\mathfrak{M}$ 03'30		evening rise	1456 Jul 16 j 09:56	10° $\Omega$ 52'49	
	1455 Aug 23 j 02:10	0° $\mathfrak{L}$			1456 Jul 27 j 00:08	0° $\mathfrak{M}$	
evening max el	1455 Sep 07 j 19:38	19° $\mathfrak{L}$ 16'38	26°14'26	desc. node	1456 Aug 04 j 06:21	12° $\mathfrak{M}$ 56'58	
retrograde	1455 Sep 20 j 11:44	26° $\mathfrak{L}$ 26'42			1456 Aug 17 j 13:19	0° $\mathfrak{L}$	
evening set	1455 Sep 26 j 20:16	23° $\mathfrak{L}$ 48'27		evening max el	1456 Aug 20 j 07:51	2° $\mathfrak{L}$ 49'09	27°02'23
min. Earth dist.	1455 Oct 01 j 00:32	19° $\mathfrak{L}$ 22'15	0.66454 AU	retrograde	1456 Sep 02 j 13:49	10° $\mathfrak{L}$ 06'56	
inferior conj	1455 Oct 02 j 12:12	17° $\mathfrak{L}$ 32'15	-1°25'33	evening set	1456 Sep 09 j 10:11	7° $\mathfrak{L}$ 22'51	
minimum elong	1455 Oct 02 j 14:26	17° $\mathfrak{L}$ 25'20	1°24'36	min. Earth dist.	1456 Sep 13 j 07:36	3° $\mathfrak{L}$ 33'06	0.65325 AU
asc. node	1455 Oct 06 j 16:47	12° $\mathfrak{L}$ 56'05		inferior conj	1456 Sep 15 j 07:29	1° $\mathfrak{L}$ 16'37	-2°23'13
morning rise	1455 Oct 08 j 09:03	11° $\mathfrak{L}$ 42'53		minimum elong	1456 Sep 15 j 11:14	1° $\mathfrak{L}$ 05'53	2°21'48
direct	1455 Oct 11 j 10:55	10° $\mathfrak{L}$ 48'53			1456 Sep 16 j 10:40	30° $\mathfrak{R}$ $\mathfrak{M}$	
morning max el	1455 Oct 18 j 06:08	14° $\mathfrak{L}$ 35'20	18°47'45	morning rise	1456 Sep 21 j 13:02	25° $\mathfrak{M}$ 40'00	
	1455 Oct 29 j 15:10	0° $\mathfrak{M}$		asc. node	1456 Sep 22 j 13:50	25° $\mathfrak{M}$ 14'56	
morning set	1455 Nov 08 j 14:44	15° $\mathfrak{M}$ 40'12		direct	1456 Sep 24 j 07:16	24° $\mathfrak{M}$ 58'41	
desc. node	1455 Nov 14 j 08:38	24° $\mathfrak{M}$ 43'56		morning max el	1456 Sep 30 j 20:05	28° $\mathfrak{M}$ 30'41	18°12'19
	1455 Nov 17 j 17:02	0° $\mathfrak{X}$			1456 Oct 02 j 05:13	0° $\mathfrak{L}$	
max. Earth dist.	1455 Nov 24 j 02:51	10° $\mathfrak{X}$ 03'57	1.45041 AU	morning set	1456 Oct 19 j 10:06	26° $\mathfrak{L}$ 17'48	
					1456 Oct 21 j 16:16	0° $\mathfrak{M}$	
superior conj	1455 Nov 24 j 22:30	11° $\mathfrak{X}$ 21'11	-1°06'39	desc. node	1456 Oct 31 j 05:40	15° $\mathfrak{M}$ 27'02	
minimum elong	1455 Nov 24 j 14:34	10° $\mathfrak{X}$ 49'59	1°05'42				
	1455 Dec 06 j 16:58	0° $\mathfrak{Z}$		superior conj	1456 Nov 03 j 01:23	19° $\mathfrak{M}$ 56'02	-0°18'46
evening rise	1455 Dec 10 j 11:02	6° $\mathfrak{Z}$ 01'28		minimum elong	1456 Nov 02 j 22:58	19° $\mathfrak{M}$ 46'28	0°18'26
	1455 Dec 25 j 16:04	0° $\mathfrak{X}$		max. Earth dist.	1456 Nov 05 j 21:39	24° $\mathfrak{M}$ 25'29	1.45012 AU
evening max el	1455 Dec 31 j 14:41	7° $\mathfrak{X}$ 30'58	18°47'49		1456 Nov 09 j 10:54	0° $\mathfrak{X}$	
asc. node	1456 Jan 02 j 16:03	9° $\mathfrak{X}$ 22'43		evening rise	1456 Nov 19 j 11:23	15° $\mathfrak{X}$ 37'31	
retrograde	1456 Jan 07 j 08:23	11° $\mathfrak{X}$ 17'51			1456 Nov 28 j 18:01	0° $\mathfrak{Z}$	
evening set	1456 Jan 10 j 13:05	10° $\mathfrak{X}$ 19'25		greatest brilliancy	1456 Dec 01 j 17:17	4° $\mathfrak{Z}$ 31'47	-0.7m
inferior conj	1456 Jan 16 j 06:08	4° $\mathfrak{X}$ 38'12	3°30'13	evening max el	1456 Dec 13 j 22:14	20° $\mathfrak{Z}$ 59'35	19°33'52
minimum elong	1456 Jan 16 j 04:08	4° $\mathfrak{X}$ 44'22	3°29'56	asc. node	1456 Dec 19 j 13:07	24° $\mathfrak{Z}$ 57'12	
min. Earth dist.	1456 Jan 18 j 00:23	2° $\mathfrak{X}$ 28'37	0.65294 AU	retrograde	1456 Dec 21 j 05:11	25° $\mathfrak{Z}$ 12'36	
	1456 Jan 20 j 04:40	30° $\mathfrak{R}$ $\mathfrak{Z}$		evening set	1456 Dec 24 j 17:05	24° $\mathfrak{Z}$ 01'05	
morning rise	1456 Jan 21 j 18:46	28° $\mathfrak{Z}$ 28'18		inferior conj	1456 Dec 30 j 05:22	18° $\mathfrak{Z}$ 04'56	3°04'02
direct	1456 Jan 28 j 10:25	25° $\mathfrak{Z}$ 36'14		minimum elong	1456 Dec 30 j 02:46	18° $\mathfrak{Z}$ 13'26	3°03'25
	1456 Feb 06 j 23:33	0° $\mathfrak{X}$		min. Earth dist.	1456 Dec 31 j 09:05	16° $\mathfrak{Z}$ 34'17	0.66486 AU
desc. node	1456 Feb 10 j 07:49	3° $\mathfrak{X}$ 02'40		morning rise	1457 Jan 04 j 12:11	11° $\mathfrak{Z}$ 52'29	
morning max el	1456 Feb 10 j 14:41	3° $\mathfrak{X}$ 19'49	26°55'02	direct	1457 Jan 10 j 16:11	9° $\mathfrak{Z}$ 08'04	
	1456 Mar 01 j 18:39	0° $\mathfrak{X}$		morning max el	1457 Jan 22 j 23:50	16° $\mathfrak{Z}$ 27'14	25°46'59
morning set	1456 Mar 17 j 09:24	27° $\mathfrak{X}$ 11'28		desc. node	1457 Jan 27 j 04:52	21° $\mathfrak{Z}$ 03'24	
	1456 Mar 18 j 20:15	0° $\mathfrak{Y}$			1457 Feb 03 j 06:03	0° $\mathfrak{X}$	
max. Earth dist.	1456 Mar 21 j 19:30	5° $\mathfrak{Y}$ 53'15	1.34240 AU		1457 Feb 22 j 16:25	0° $\mathfrak{X}$	
				morning set	1457 Feb 28 j 05:57	9° $\mathfrak{X}$ 54'14	
superior conj	1456 Mar 25 j 19:51	14° $\mathfrak{Y}$ 07'35	-0°48'45	max. Earth dist.	1457 Mar 04 j 01:37	17° $\mathfrak{X}$ 03'47	1.35803 AU
minimum elong	1456 Mar 25 j 22:17	14° $\mathfrak{Y}$ 20'16	0°48'17				
asc. node	1456 Mar 30 j 15:21	24° $\mathfrak{Y}$ 15'27		superior conj	1457 Mar 09 j 13:51	27° $\mathfrak{X}$ 53'17	-1°15'32
evening rise	1456 Apr 02 j 06:44	29° $\mathfrak{Y}$ 48'13		minimum elong	1457 Mar 09 j 17:29	28° $\mathfrak{X}$ 11'36	1°14'56
	1456 Apr 02 j 09:00	0° $\mathfrak{X}$			1457 Mar 10 j 14:57	0° $\mathfrak{Y}$	
	1456 Apr 20 j 06:05	0° $\mathfrak{I}$		evening rise	1457 Mar 17 j 13:04	14° $\mathfrak{Y}$ 10'27	
evening max el	1456 Apr 22 j 04:27	2° $\mathfrak{I}$ 00'42	21°25'17	asc. node	1457 Mar 17 j 12:24	14° $\mathfrak{Y}$ 07'04	
retrograde	1456 May 04 j 07:38	7° $\mathfrak{I}$ 56'13			1457 Mar 25 j 19:14	0° $\mathfrak{X}$	
evening set	1456 May 06 j 16:27	7° $\mathfrak{I}$ 43'25		evening max el	1457 Apr 04 j 11:40	13° $\mathfrak{X}$ 16'07	20°07'16
desc. node	1456 May 08 j 07:00	7° $\mathfrak{I}$ 20'59		retrograde	1457 Apr 14 j 21:52	18° $\mathfrak{X}$ 17'59	
inferior conj	1456 May 16 j 02:07	3° $\mathfrak{I}$ 43'18	-2°13'03	evening set	1457 Apr 16 j 23:00	18° $\mathfrak{X}$ 07'12	
minimum elong	1456 May 15 j 20:03	3° $\mathfrak{I}$ 51'48	2°11'00	desc. node	1457 Apr 25 j 04:02	14° $\mathfrak{X}$ 36'08	
min. Earth dist.	1456 May 16 j 05:35	3° $\mathfrak{I}$ 38'27	0.54927 AU	inferior conj	1457 Apr 25 j 22:45	14° $\mathfrak{X}$ 08'19	-0°13'34
	1456 May 24 j 01:07	30° $\mathfrak{R}$ $\mathfrak{X}$		minimum elong	1457 Apr 25 j 22:08	14° $\mathfrak{X}$ 09'15	0°13'20
morning rise	1456 May 25 j 00:12	29° $\mathfrak{X}$ 45'03		transit middle	1457 Apr 25 j 22:08	14° $\mathfrak{X}$ 09'15	0°13'20
direct	1456 May 28 j 05:00	29° $\mathfrak{X}$ 22'44		transit begin	1457 Apr 25 j 19:56	14° $\mathfrak{X}$ 12'31	
	1456 Jun 01 j 05:56	0° $\mathfrak{I}$		transit end	1457 Apr 26 j 00:19	14° $\mathfrak{X}$ 05'58	
morning max el	1456 Jun 09 j 17:54	5° $\mathfrak{I}$ 19'09	22°11'05	min. Earth dist.	1457 Apr 27 j 19:00	13° $\mathfrak{X}$ 02'23	0.55311 AU
asc. node	1456 Jun 26 j 14:37	0° $\mathfrak{D}$ 03'28		morning rise	1457 May 04 j 19:26	9° $\mathfrak{X}$ 46'18	
	1456 Jun 26 j 13:54	0° $\mathfrak{D}$		direct	1457 May 08 j 18:20	9° $\mathfrak{X}$ 12'09	
morning set	1456 Jul 01 j 04:42	9° $\mathfrak{D}$ 19'38		morning max el	1457 May 22 j 10:32	15° $\mathfrak{X}$ 56'24	23°52'17
					1457 Jun 02 j 14:57	0° $\mathfrak{I}$	
superior conj	1456 Jul 08 j 09:48	24° $\mathfrak{D}$ 36'02	1°36'55	asc. node	1457 Jun 13 j 11:40	19° $\mathfrak{I}$ 42'14	

morning set	1457 Jun 15 j 16:20	24° $\Pi$ 15'39		asc. node	1458 May 31 j 08:43	9° $\Pi$ 36'27	
	1457 Jun 18 j 08:54	0° $\mathfrak{C}$					
superior conj	1457 Jun 22 j 17:06	9° $\mathfrak{C}$ 23'28	1°23'46	superior conj	1458 Jun 07 j 03:32	24° $\Pi$ 19'14	1°06'12
minimum elong	1457 Jun 22 j 14:42	9° $\mathfrak{C}$ 10'32	1°23'28	minimum elong	1458 Jun 07 j 01:11	24° $\Pi$ 06'26	1°05'48
max. Earth dist.	1457 Jun 24 j 19:10	13° $\mathfrak{C}$ 52'08	1.33340 AU	max. Earth dist.	1458 Jun 08 j 03:26	26° $\Pi$ 29'55	1.32608 AU
evening rise	1457 Jun 30 j 03:42	24° $\mathfrak{C}$ 59'26		evening rise	1458 Jun 09 j 18:06	0° $\mathfrak{C}$	
	1457 Jul 02 j 16:30	0° $\mathcal{O}$			1458 Jun 14 j 05:37	9° $\mathfrak{C}$ 29'39	
	1457 Jul 20 j 12:00	0° $\mathfrak{M}$		desc. node	1458 Jun 25 j 00:36	0° $\mathcal{O}$	
desc. node	1457 Jul 22 j 03:23	2° $\mathfrak{M}$ 18'04		evening max el	1458 Jul 09 j 00:23	20° $\mathcal{O}$ 53'24	
evening max el	1457 Aug 02 j 19:13	16° $\mathfrak{M}$ 03'26	27°24'57		1458 Jul 16 j 03:09	28° $\mathcal{O}$ 45'37	27°16'30
retrograde	1457 Aug 16 j 09:46	23° $\mathfrak{M}$ 21'27		retrograde	1458 Jul 29 j 22:55	6° $\mathfrak{M}$ 01'17	
evening set	1457 Aug 23 j 13:40	20° $\mathfrak{M}$ 41'17		evening set	1458 Aug 06 j 02:56	3° $\mathfrak{M}$ 37'29	
min. Earth dist.	1457 Aug 27 j 05:38	17° $\mathfrak{M}$ 25'43	0.63839 AU	min. Earth dist.	1458 Aug 09 j 17:10	0° $\mathfrak{M}$ 48'35	0.62030 AU
inferior conj	1457 Aug 29 j 18:17	14° $\mathfrak{M}$ 49'13	-3°18'37		1458 Aug 10 j 14:48	30° $\mathcal{R}$ $\mathcal{O}$	
minimum elong	1457 Aug 29 j 23:12	14° $\mathfrak{M}$ 36'30	3°17'06	inferior conj	1458 Aug 12 j 17:35	28° $\mathcal{O}$ 02'43	-4°07'33
morning rise	1457 Sep 05 j 09:48	9° $\mathfrak{M}$ 28'47		minimum elong	1458 Aug 12 j 22:41	27° $\mathcal{O}$ 50'58	4°06'25
direct	1457 Sep 07 j 22:59	8° $\mathfrak{M}$ 56'35		morning rise	1458 Aug 19 j 19:55	23° $\mathcal{O}$ 02'02	
asc. node	1457 Sep 09 j 10:53	9° $\mathfrak{M}$ 07'50		direct	1458 Aug 22 j 06:39	22° $\mathcal{O}$ 36'02	
morning max el	1457 Sep 14 j 12:06	12° $\mathfrak{M}$ 22'23	17°54'15	asc. node	1458 Aug 27 j 07:55	24° $\mathcal{O}$ 30'14	
	1457 Sep 26 j 13:28	0° $\mathfrak{L}$		morning max el	1458 Aug 29 j 03:13	26° $\mathcal{O}$ 03'47	17°54'24
morning set	1457 Oct 01 j 08:13	8° $\mathfrak{L}$ 13'09			1458 Sep 01 j 11:55	0° $\mathfrak{M}$	
				morning set	1458 Sep 14 j 02:53	21° $\mathfrak{M}$ 07'04	
superior conj	1457 Oct 13 j 22:15	29° $\mathfrak{L}$ 26'26	0°27'58		1458 Sep 19 j 01:19	0° $\mathfrak{L}$	
minimum elong	1457 Oct 14 j 01:12	29° $\mathfrak{L}$ 38'34	0°27'33				
	1457 Oct 14 j 06:27	0° $\mathfrak{M}$		superior conj	1458 Sep 24 j 22:04	10° $\mathfrak{L}$ 16'36	1°04'51
desc. node	1457 Oct 18 j 02:43	6° $\mathfrak{M}$ 13'42		minimum elong	1458 Sep 25 j 02:45	10° $\mathfrak{L}$ 36'44	1°04'17
max. Earth dist.	1457 Oct 19 j 15:38	8° $\mathfrak{M}$ 41'25	1.44256 AU	max. Earth dist.	1458 Oct 02 j 05:36	22° $\mathfrak{L}$ 32'28	1.42872 AU
evening rise	1457 Oct 29 j 21:01	24° $\mathfrak{M}$ 41'49		desc. node	1458 Oct 04 j 23:43	27° $\mathfrak{L}$ 00'33	
	1457 Nov 02 j 08:05	0° $\mathcal{X}$			1458 Oct 06 j 20:37	0° $\mathfrak{M}$	
	1457 Nov 23 j 02:51	0° $\mathfrak{Z}$		evening rise	1458 Oct 09 j 07:49	3° $\mathfrak{M}$ 53'38	
evening max el	1457 Nov 27 j 00:41	4° $\mathfrak{Z}$ 29'33	20°34'28		1458 Oct 26 j 18:28	0° $\mathcal{X}$	
retrograde	1457 Dec 05 j 03:00	9° $\mathfrak{Z}$ 16'13		evening max el	1458 Nov 09 j 21:21	17° $\mathcal{X}$ 59'40	21°46'25
asc. node	1457 Dec 06 j 10:08	9° $\mathfrak{Z}$ 06'46		retrograde	1458 Nov 18 j 23:53	23° $\mathcal{X}$ 24'49	
evening set	1457 Dec 08 j 23:51	7° $\mathfrak{Z}$ 50'00		evening set	1458 Nov 23 j 07:33	21° $\mathcal{X}$ 42'24	
inferior conj	1457 Dec 14 j 09:22	1° $\mathfrak{Z}$ 41'37	2°28'32	asc. node	1458 Nov 23 j 07:10	21° $\mathcal{X}$ 43'12	
minimum elong	1457 Dec 14 j 06:45	1° $\mathfrak{Z}$ 50'32	2°27'42	inferior conj	1458 Nov 28 j 15:58	15° $\mathcal{X}$ 25'08	1°45'40
min. Earth dist.	1457 Dec 15 j 00:02	0° $\mathfrak{Z}$ 51'41	0.67279 AU	minimum elong	1458 Nov 28 j 13:49	15° $\mathcal{X}$ 32'36	1°44'52
	1457 Dec 15 j 15:21	30° $\mathcal{R}$ $\mathcal{X}$		min. Earth dist.	1458 Nov 28 j 19:01	15° $\mathcal{X}$ 14'36	0.67700 AU
morning rise	1457 Dec 19 j 13:27	25° $\mathcal{X}$ 28'29		morning rise	1458 Dec 03 j 19:56	9° $\mathcal{X}$ 12'59	
direct	1457 Dec 25 j 03:04	23° $\mathcal{X}$ 00'54		direct	1458 Dec 08 j 18:20	7° $\mathcal{X}$ 07'04	
morning max el	1458 Jan 05 j 08:13	29° $\mathcal{X}$ 42'09	24°23'48	morning max el	1458 Dec 18 j 17:54	13° $\mathcal{X}$ 02'11	22°55'27
	1458 Jan 05 j 15:15	0° $\mathfrak{Z}$		desc. node	1458 Dec 31 j 22:58	29° $\mathcal{X}$ 27'22	
desc. node	1458 Jan 14 j 01:56	9° $\mathfrak{Z}$ 56'49			1459 Jan 01 j 08:18	0° $\mathfrak{Z}$	
	1458 Jan 28 j 02:51	0° $\approx$			1459 Jan 21 j 00:45	0° $\approx$	
morning set	1458 Feb 10 j 06:30	21° $\approx$ 34'21		morning set	1459 Jan 22 j 04:44	1° $\approx$ 55'24	
max. Earth dist.	1458 Feb 13 j 22:56	28° $\approx$ 07'25	1.37753 AU	max. Earth dist.	1459 Jan 26 j 18:24	9° $\approx$ 38'07	1.39893 AU
	1458 Feb 14 j 23:42	0° $\mathcal{H}$					
				superior conj	1459 Feb 03 j 11:57	23° $\approx$ 21'41	-1°56'51
superior conj	1458 Feb 20 j 20:41	11° $\mathcal{H}$ 01'58	-1°39'14	minimum elong	1459 Feb 03 j 15:15	23° $\approx$ 36'46	1°56'39
minimum elong	1458 Feb 21 j 00:51	11° $\mathcal{H}$ 22'06	1°38'45		1459 Feb 07 j 01:51	0° $\mathcal{H}$	
evening rise	1458 Mar 01 j 13:18	28° $\mathcal{H}$ 09'20		evening rise	1459 Feb 13 j 04:26	11° $\mathcal{H}$ 36'20	
	1458 Mar 02 j 11:43	0° $\mathcal{Y}$		asc. node	1459 Feb 19 j 06:28	22° $\mathcal{H}$ 58'03	
asc. node	1458 Mar 04 j 09:27	3° $\mathcal{Y}$ 43'25			1459 Feb 23 j 10:42	0° $\mathcal{Y}$	
evening max el	1458 Mar 18 j 06:12	25° $\mathcal{Y}$ 10'48	19°07'59	evening max el	1459 Mar 01 j 09:42	7° $\mathcal{Y}$ 39'15	18°28'50
retrograde	1458 Mar 27 j 00:58	29° $\mathcal{Y}$ 25'42		retrograde	1459 Mar 08 j 22:50	11° $\mathcal{Y}$ 22'02	
evening set	1458 Mar 29 j 04:55	29° $\mathcal{Y}$ 11'18		evening set	1459 Mar 11 j 08:23	11° $\mathcal{Y}$ 00'43	
inferior conj	1458 Apr 06 j 10:16	24° $\mathcal{Y}$ 59'13	1°33'20	inferior conj	1459 Mar 18 j 18:39	6° $\mathcal{Y}$ 29'17	2°48'21
minimum elong	1458 Apr 06 j 13:41	24° $\mathcal{Y}$ 53'22	1°32'14	minimum elong	1459 Mar 18 j 22:35	6° $\mathcal{Y}$ 21'22	2°47'26
min. Earth dist.	1458 Apr 09 j 10:09	22° $\mathcal{Y}$ 57'07	0.56574 AU	min. Earth dist.	1459 Mar 22 j 05:01	3° $\mathcal{Y}$ 45'46	0.58440 AU
desc. node	1458 Apr 12 j 01:04	21° $\mathcal{Y}$ 21'21		morning rise	1459 Mar 26 j 09:58	1° $\mathcal{Y}$ 02'38	
morning rise	1458 Apr 14 j 19:27	20° $\mathcal{Y}$ 03'27			1459 Mar 28 j 23:58	30° $\mathcal{R}$ $\mathcal{H}$	
direct	1458 Apr 19 j 19:16	19° $\mathcal{Y}$ 05'22		desc. node	1459 Mar 29 j 22:07	29° $\mathcal{H}$ 45'48	
morning max el	1458 May 04 j 01:02	26° $\mathcal{Y}$ 24'03	25°30'15	direct	1459 Apr 01 j 09:58	29° $\mathcal{H}$ 29'39	
	1458 May 07 j 11:17	0° $\mathcal{B}$			1459 Apr 04 j 21:25	0° $\mathcal{Y}$	
	1458 May 26 j 15:52	0° $\Pi$		morning max el	1459 Apr 15 j 19:02	7° $\mathcal{Y}$ 09'46	26°49'27
morning set	1458 May 31 j 04:04	9° $\Pi$ 11'52			1459 May 02 j 20:38	0° $\mathcal{B}$	



morning set	1459 May 15 j 14:14	24°♄02'23		morning set	1460 Apr 28 j 21:04	8°♄40'52	
asc. node	1459 May 18 j 05:45	29°♄40'24		asc. node	1460 May 04 j 02:47	19°♄49'23	
	1459 May 18 j 09:23	0°♄		max. Earth dist.	1460 May 05 j 03:14	22°♄02'45	1.32280 AU
superior conj	1459 May 22 j 15:15	9°♄16'54	0°45'01	superior conj	1460 May 06 j 02:33	24°♄10'25	0°20'56
minimum elong	1459 May 22 j 13:25	9°♄06'51	0°44'39	minimum elong	1460 May 06 j 01:37	24°♄05'17	0°20'43
max. Earth dist.	1459 May 22 j 15:23	9°♄17'39	1.32253 AU		1460 May 08 j 18:18	0°♄	
evening rise	1459 May 29 j 12:57	24°♄14'34		evening rise	1460 May 12 j 23:30	9°♄06'37	
	1459 Jun 01 j 07:59	0°♄			1460 May 23 j 18:39	0°♄	
	1459 Jun 18 j 23:48	0°♄		evening max el	1460 Jun 09 j 00:07	21°♄58'07	25°23'35
desc. node	1459 Jun 25 j 21:22	8°♄24'12		desc. node	1460 Jun 11 j 18:23	24°♄23'41	
evening max el	1459 Jun 28 j 05:08	10°♄44'49	26°34'58	retrograde	1460 Jun 23 j 00:42	29°♄06'47	
retrograde	1459 Jul 12 j 04:35	17°♄58'14		evening set	1460 Jun 28 j 17:08	27°♄51'21	
evening set	1459 Jul 18 j 21:30	16°♄04'06		min. Earth dist.	1460 Jul 03 j 12:06	25°♄08'39	0.57962 AU
min. Earth dist.	1459 Jul 22 j 18:31	13°♄27'33	0.59997 AU	inferior conj	1460 Jul 06 j 15:52	22°♄57'02	-4°54'32
inferior conj	1459 Jul 26 j 01:56	10°♄48'36	-4°43'07	minimum elong	1460 Jul 06 j 15:16	22°♄58'06	4°54'31
minimum elong	1459 Jul 26 j 05:24	10°♄41'37	4°42'43	morning rise	1460 Jul 14 j 15:57	18°♄40'59	
morning rise	1459 Aug 02 j 15:18	6°♄10'17		direct	1460 Jul 17 j 04:52	18°♄21'18	
direct	1459 Aug 05 j 02:04	5°♄48'15		morning max el	1460 Jul 25 j 18:34	22°♄23'30	18°53'54
morning max el	1459 Aug 12 j 14:27	9°♄27'30	18°13'53	asc. node	1460 Jul 31 j 02:00	28°♄47'49	
asc. node	1459 Aug 14 j 04:58	11°♄08'50			1460 Jul 31 j 21:28	0°♄	
	1459 Aug 26 j 00:03	0°♄		morning set	1460 Aug 11 j 08:31	18°♄51'37	
morning set	1459 Aug 28 j 12:27	4°♄44'02			1460 Aug 17 j 00:36	0°♄	
superior conj	1459 Sep 06 j 23:12	22°♄21'47	1°29'23	superior conj	1460 Aug 19 j 20:06	5°♄25'32	1°42'31
minimum elong	1459 Sep 07 j 02:54	22°♄38'36	1°29'03	minimum elong	1460 Aug 19 j 21:54	5°♄34'04	1°42'25
	1459 Sep 11 j 06:05	0°♄		max. Earth dist.	1460 Aug 26 j 17:33	18°♄10'10	1.39010 AU
max. Earth dist.	1459 Sep 14 j 13:46	5°♄43'26	1.41040 AU	evening rise	1460 Aug 30 j 15:25	25°♄00'57	
evening rise	1459 Sep 19 j 11:36	13°♄53'44			1460 Sep 02 j 14:12	0°♄	
desc. node	1459 Sep 21 j 20:44	17°♄44'28		desc. node	1460 Sep 07 j 17:44	8°♄21'06	
	1459 Sep 29 j 18:12	0°♄			1460 Sep 22 j 11:14	0°♄	
	1459 Oct 22 j 01:47	0°♄		evening max el	1460 Oct 05 j 01:46	15°♄07'30	24°24'52
evening max el	1459 Oct 23 j 13:03	1°♄31'51	23°05'11	retrograde	1460 Oct 16 j 09:06	21°♄44'24	
retrograde	1459 Nov 02 j 18:21	7°♄35'39		evening set	1460 Oct 21 j 19:14	19°♄28'04	
evening set	1459 Nov 07 j 14:34	5°♄36'12		min. Earth dist.	1460 Oct 26 j 11:41	14°♄05'28	0.67524 AU
asc. node	1459 Nov 10 j 04:11	2°♄56'17		inferior conj	1460 Oct 27 j 05:46	13°♄04'49	0°03'55
	1459 Nov 12 j 09:57	30°♄		minimum elong	1460 Oct 27 j 05:40	13°♄05'09	0°03'52
inferior conj	1459 Nov 12 j 23:22	29°♄13'50	0°57'02	transit middle	1460 Oct 27 j 05:40	13°♄05'09	0°03'52
minimum elong	1459 Nov 12 j 22:04	29°♄18'17	0°56'30	transit begin	1460 Oct 27 j 03:00	13°♄14'05	
min. Earth dist.	1459 Nov 12 j 15:42	29°♄40'12	0.67776 AU	transit end	1460 Oct 27 j 08:19	12°♄56'14	
morning rise	1459 Nov 18 j 05:29	23°♄04'41		asc. node	1460 Oct 27 j 01:14	13°♄20'02	
direct	1459 Nov 22 j 13:17	21°♄21'31		morning rise	1460 Nov 01 j 16:08	7°♄01'04	
morning max el	1459 Dec 01 j 08:16	26°♄30'14	21°30'47	direct	1460 Nov 05 j 10:47	5°♄39'18	
	1459 Dec 04 j 12:43	0°♄		morning max el	1460 Nov 13 j 05:50	10°♄08'03	20°16'14
desc. node	1459 Dec 18 j 20:00	19°♄24'56			1460 Nov 28 j 06:02	0°♄	
	1459 Dec 25 j 21:38	0°♄		desc. node	1460 Dec 04 j 17:02	9°♄41'29	
morning set	1460 Jan 01 j 21:57	10°♄54'20		morning set	1460 Dec 10 j 19:32	19°♄03'06	
max. Earth dist.	1460 Jan 08 j 18:36	21°♄59'36	1.41944 AU		1460 Dec 17 j 19:28	0°♄	
	1460 Jan 13 j 13:14	0°♄		max. Earth dist.	1460 Dec 21 j 02:25	5°♄14'34	1.43627 AU
superior conj	1460 Jan 16 j 06:36	4°♄40'50	-2°04'12	superior conj	1460 Dec 26 j 23:50	14°♄49'15	-1°56'24
minimum elong	1460 Jan 16 j 06:43	4°♄41'22	2°04'12	minimum elong	1460 Dec 26 j 18:46	14°♄28'20	1°56'08
evening rise	1460 Jan 27 j 06:56	24°♄23'40			1461 Jan 05 j 00:05	0°♄	
	1460 Jan 30 j 08:47	0°♄		evening rise	1461 Jan 08 j 16:34	6°♄22'43	
asc. node	1460 Feb 06 j 03:29	11°♄44'08		asc. node	1461 Jan 23 j 00:31	29°♄52'53	
evening max el	1460 Feb 12 j 19:09	20°♄33'45	18°09'39		1461 Jan 23 j 02:39	0°♄	
retrograde	1460 Feb 19 j 14:09	24°♄00'17		evening max el	1461 Jan 26 j 07:28	3°♄46'00	18°09'56
evening set	1460 Feb 22 j 05:11	23°♄29'56		retrograde	1461 Feb 01 j 18:55	7°♄10'45	
inferior conj	1460 Feb 28 j 23:21	18°♄37'46	3°30'05	evening set	1461 Feb 04 j 15:01	6°♄30'08	
minimum elong	1460 Feb 29 j 01:40	18°♄32'21	3°29'48	inferior conj	1461 Feb 10 j 20:49	1°♄17'36	3°44'59
min. Earth dist.	1460 Mar 03 j 06:00	15°♄36'29	0.60567 AU	minimum elong	1461 Feb 10 j 21:05	1°♄16'53	3°44'59
morning rise	1460 Mar 06 j 20:11	12°♄50'10			1461 Feb 12 j 02:04	30°♄	
direct	1460 Mar 13 j 12:52	10°♄40'29		min. Earth dist.	1461 Feb 13 j 15:17	28°♄23'12	0.62634 AU
desc. node	1460 Mar 15 j 19:09	10°♄54'33		morning rise	1461 Feb 17 j 02:04	25°♄17'43	
morning max el	1460 Mar 27 j 19:06	18°♄32'03	27°37'19	direct	1461 Feb 24 j 01:12	22°♄40'25	
	1460 Apr 06 j 10:42	0°♄		desc. node	1461 Mar 02 j 16:13	24°♄41'51	
	1460 Apr 24 j 13:09	0°♄			1461 Mar 09 j 10:19	0°♄	

morning max el	1461 Mar 10 j 00:42	0° $\text{X}$ 35'18	27°48'18	desc. node	1462 Feb 17 j 13:16	10° $\approx$ 33'03	
	1461 Mar 31 j 12:19	0° $\text{Y}$		morning max el	1462 Feb 20 j 09:41	13° $\approx$ 12'49	27°23'29
morning set	1461 Apr 12 j 22:28	23° $\text{Y}$ 00'20			1462 Mar 05 j 22:23	0° $\text{X}$	
	1461 Apr 16 j 07:50	0° $\text{B}$			1462 Mar 24 j 01:49	0° $\text{Y}$	
max. Earth dist.	1461 Apr 18 j 11:12	4° $\text{B}$ 32'31	1.32704 AU	morning set	1462 Mar 27 j 15:39	6° $\text{Y}$ 51'07	
				max. Earth dist.	1462 Apr 01 j 11:25	16° $\text{Y}$ 34'28	1.33555 AU
superior conj	1461 Apr 20 j 11:46	8° $\text{B}$ 54'05	-0°05'19				
minimum elong	1461 Apr 20 j 12:02	8° $\text{B}$ 55'28	0°05'16	superior conj	1462 Apr 04 j 16:55	23° $\text{Y}$ 20'31	-0°32'48
behind sun begin	1461 Apr 20 j 07:06	8° $\text{B}$ 28'46		minimum elong	1462 Apr 04 j 18:33	23° $\text{Y}$ 29'09	0°32'28
behind sun end	1461 Apr 20 j 16:57	9° $\text{B}$ 22'10		asc. node	1462 Apr 07 j 20:52	0° $\text{B}$ 05'31	
asc. node	1461 Apr 20 j 23:49	9° $\text{B}$ 59'23			1462 Apr 07 j 19:50	0° $\text{B}$	
evening rise	1461 Apr 27 j 11:22	23° $\text{B}$ 59'19		evening rise	1462 Apr 11 j 22:36	8° $\text{B}$ 45'10	
	1461 Apr 30 j 08:45	0° $\text{II}$			1462 Apr 23 j 03:48	0° $\text{II}$	
	1461 May 19 j 01:49	0° $\text{E}$		evening max el	1462 May 03 j 06:28	13° $\text{II}$ 09'24	22°16'50
evening max el	1461 May 21 j 14:31	2° $\text{E}$ 37'45	23°52'36	retrograde	1462 May 16 j 04:06	19° $\text{II}$ 31'37	
desc. node	1461 May 29 j 15:25	8° $\text{E}$ 17'45		desc. node	1462 May 16 j 12:28	19° $\text{II}$ 31'21	
retrograde	1461 Jun 04 j 08:38	9° $\text{E}$ 31'57		evening set	1462 May 19 j 01:39	19° $\text{II}$ 13'04	
evening set	1461 Jun 08 j 14:38	8° $\text{E}$ 52'08		min. Earth dist.	1462 May 27 j 12:58	15° $\text{II}$ 34'43	0.55161 AU
min. Earth dist.	1461 Jun 15 j 01:17	5° $\text{E}$ 47'48	0.56239 AU	inferior conj	1462 May 28 j 10:13	15° $\text{II}$ 04'47	-3°14'14
inferior conj	1461 Jun 17 j 09:41	4° $\text{E}$ 21'45	-4°28'01	minimum elong	1462 May 28 j 02:33	15° $\text{II}$ 15'36	3°12'02
minimum elong	1461 Jun 17 j 03:56	4° $\text{E}$ 30'35	4°27'07	morning rise	1462 Jun 06 j 05:18	11° $\text{II}$ 12'15	
morning rise	1461 Jun 25 j 19:55	0° $\text{E}$ 23'20		direct	1462 Jun 09 j 04:20	10° $\text{II}$ 52'30	
direct	1461 Jun 28 j 12:49	0° $\text{E}$ 04'35		morning max el	1462 Jun 20 j 19:32	16° $\text{II}$ 17'58	21°16'46
morning max el	1461 Jul 08 j 12:45	4° $\text{E}$ 42'39	19°55'10		1462 Jul 01 j 07:09	0° $\text{E}$	
asc. node	1461 Jul 17 j 23:05	17° $\text{E}$ 13'49		asc. node	1462 Jul 04 j 20:08	6° $\text{E}$ 14'53	
	1461 Jul 24 j 19:42	0° $\text{O}$		morning set	1462 Jul 10 j 19:59	18° $\text{E}$ 06'35	
morning set	1461 Jul 26 j 11:52	3° $\text{O}$ 21'38			1462 Jul 16 j 12:25	0° $\text{O}$	
superior conj	1461 Aug 03 j 07:32	19° $\text{O}$ 13'12	1°46'06	superior conj	1462 Jul 18 j 05:08	3° $\text{O}$ 31'57	1°42'05
minimum elong	1461 Aug 03 j 07:28	19° $\text{O}$ 12'55	1°46'07	minimum elong	1462 Jul 18 j 03:43	3° $\text{O}$ 24'37	1°42'01
	1461 Aug 08 j 20:28	0° $\text{P}$		max. Earth dist.	1462 Jul 22 j 08:57	11° $\text{O}$ 59'59	1.35303 AU
max. Earth dist.	1461 Aug 08 j 22:07	0° $\text{P}$ 07'48	1.37034 AU	evening rise	1462 Jul 26 j 15:49	20° $\text{O}$ 20'39	
evening rise	1461 Aug 12 j 18:18	7° $\text{P}$ 13'47			1462 Jul 31 j 22:19	0° $\text{P}$	
desc. node	1461 Aug 25 j 14:44	28° $\text{P}$ 46'00		desc. node	1462 Aug 12 j 11:46	18° $\text{P}$ 53'14	
	1461 Aug 26 j 09:55	0° $\text{Q}$			1462 Aug 20 j 08:41	0° $\text{Q}$	
evening max el	1461 Sep 17 j 13:44	28° $\text{Q}$ 46'36	25°38'11	evening max el	1462 Aug 31 j 01:53	12° $\text{Q}$ 23'54	26°37'30
	1461 Sep 18 j 20:46	0° $\text{R}$		retrograde	1462 Sep 13 j 00:13	19° $\text{Q}$ 37'33	
retrograde	1461 Sep 29 j 19:13	5° $\text{R}$ 46'52		evening set	1462 Sep 19 j 14:18	16° $\text{Q}$ 55'49	
evening set	1461 Oct 05 j 19:48	3° $\text{R}$ 15'35		min. Earth dist.	1462 Sep 23 j 15:36	12° $\text{Q}$ 45'22	0.66021 AU
	1461 Oct 08 j 22:50	30° $\text{R}$ Q		inferior conj	1462 Sep 25 j 08:21	10° $\text{Q}$ 43'39	-1°50'05
min. Earth dist.	1461 Oct 10 j 04:27	28° $\text{Q}$ 28'20	0.66945 AU	minimum elong	1462 Sep 25 j 11:15	10° $\text{Q}$ 34'58	1°48'55
inferior conj	1461 Oct 11 j 09:24	26° $\text{Q}$ 55'46	-0°52'20	asc. node	1462 Sep 30 j 19:22	5° $\text{Q}$ 19'12	
minimum elong	1461 Oct 11 j 10:44	26° $\text{Q}$ 51'28	0°51'45	morning rise	1462 Oct 01 j 08:44	4° $\text{Q}$ 59'25	
asc. node	1461 Oct 13 j 22:18	23° $\text{Q}$ 49'53		direct	1462 Oct 04 j 07:09	4° $\text{Q}$ 11'09	
morning rise	1461 Oct 17 j 01:55	21° $\text{Q}$ 00'15		morning max el	1462 Oct 10 j 22:39	7° $\text{Q}$ 49'59	18°30'39
direct	1461 Oct 20 j 09:22	19° $\text{Q}$ 57'00			1462 Oct 26 j 09:56	0° $\text{R}$	
morning max el	1461 Oct 27 j 11:06	23° $\text{Q}$ 55'39	19°15'32	morning set	1462 Oct 30 j 23:50	7° $\text{R}$ 20'48	
	1461 Nov 01 j 13:08	0° $\text{R}$		desc. node	1462 Nov 08 j 11:04	20° $\text{R}$ 50'58	
morning set	1461 Nov 19 j 21:24	27° $\text{R}$ 33'19			1462 Nov 14 j 06:15	0° $\text{S}$	
	1461 Nov 21 j 11:06	0° $\text{S}$		superior conj	1462 Nov 15 j 16:51	2° $\text{S}$ 15'59	-0°46'58
desc. node	1461 Nov 21 j 14:03	0° $\text{S}$ 11'30		minimum elong	1462 Nov 15 j 10:50	1° $\text{S}$ 52'20	0°46'11
max. Earth dist.	1461 Dec 03 j 17:17	19° $\text{S}$ 11'34	1.44727 AU	max. Earth dist.	1462 Nov 16 j 12:02	3° $\text{S}$ 31'20	1.45118 AU
superior conj	1461 Dec 06 j 15:28	23° $\text{S}$ 49'25	-1°29'52	evening rise	1462 Dec 01 j 18:09	27° $\text{S}$ 32'20	
minimum elong	1461 Dec 06 j 06:48	23° $\text{S}$ 14'59	1°29'01		1462 Dec 03 j 07:27	0° $\text{Z}$	
	1461 Dec 10 j 12:19	0° $\text{Z}$		greatest brilliancy	1462 Dec 11 j 02:47	12° $\text{Z}$ 19'37	-0.8m
evening rise	1461 Dec 21 j 05:04	17° $\text{Z}$ 26'07			1462 Dec 23 j 16:16	0° $\approx$	
	1461 Dec 28 j 19:40	0° $\approx$		evening max el	1462 Dec 24 j 05:35	0° $\approx$ 35'07	19°05'28
asc. node	1462 Jan 09 j 21:35	17° $\approx$ 12'41		asc. node	1462 Dec 27 j 18:39	3° $\approx$ 30'06	
evening max el	1462 Jan 09 j 19:46	17° $\approx$ 08'05	18°28'54	retrograde	1462 Dec 31 j 04:02	4° $\approx$ 32'07	
retrograde	1462 Jan 16 j 08:47	20° $\approx$ 43'38		evening set	1463 Jan 03 j 11:39	3° $\approx$ 28'09	
evening set	1462 Jan 19 j 10:10	19° $\approx$ 51'50			1463 Jan 07 j 04:49	30° $\text{R}$ Z	
inferior conj	1462 Jan 25 j 07:00	14° $\approx$ 20'21	3°39'59	inferior conj	1463 Jan 09 j 02:21	27° $\text{Z}$ 40'00	3°20'27
minimum elong	1462 Jan 25 j 05:39	14° $\approx$ 24'20	3°39'52	minimum elong	1463 Jan 09 j 00:01	27° $\text{Z}$ 47'23	3°20'00
min. Earth dist.	1462 Jan 27 j 10:04	11° $\approx$ 51'20	0.64428 AU	min. Earth dist.	1463 Jan 10 j 14:08	25° $\text{Z}$ 46'49	0.65845 AU
morning rise	1462 Jan 31 j 00:36	8° $\approx$ 13'20		morning rise	1463 Jan 14 j 12:07	21° $\text{Z}$ 28'48	
direct	1462 Feb 06 j 20:56	5° $\approx$ 22'44		direct	1463 Jan 20 j 23:09	18° $\text{Z}$ 38'59	

morning max el	1463 Feb 02 j 19:34	26° $\text{Z}$ 13'39	26°28'45	min. Earth dist.	1463 Dec 25 j 01:50	9° $\text{Z}$ 57'53	0.66864 AU
desc. node	1463 Feb 04 j 10:18	27° $\text{Z}$ 54'26		morning rise	1463 Dec 29 j 09:10	4° $\text{Z}$ 58'00	
	1463 Feb 06 j 07:35	0° $\approx$		direct	1464 Jan 04 j 07:06	2° $\text{Z}$ 19'59	
	1463 Feb 27 j 11:58	0° $\text{X}$		morning max el	1464 Jan 16 j 04:27	9° $\text{Z}$ 25'16	25°12'54
morning set	1463 Mar 10 j 21:05	20° $\text{X}$ 02'44		desc. node	1464 Jan 22 j 07:20	16° $\text{Z}$ 19'28	
max. Earth dist.	1463 Mar 15 j 00:40	28° $\text{X}$ 03'03	1.34856 AU		1464 Feb 01 j 10:52	0° $\approx$	
	1463 Mar 16 j 00:16	0° $\text{Y}$			1464 Feb 20 j 02:18	0° $\text{X}$	
				morning set	1464 Feb 21 j 09:52	2° $\text{X}$ 20'53	
superior conj	1463 Mar 19 j 15:45	7° $\text{Y}$ 23'11	-1°00'19	max. Earth dist.	1464 Feb 25 j 02:19	9° $\text{X}$ 06'12	1.36588 AU
minimum elong	1463 Mar 19 j 18:44	7° $\text{Y}$ 38'34	0°59'46				
asc. node	1463 Mar 25 j 17:55	20° $\text{Y}$ 03'50		superior conj	1464 Mar 02 j 05:23	20° $\text{X}$ 53'49	-1°26'07
evening rise	1463 Mar 27 j 07:21	23° $\text{Y}$ 18'04		minimum elong	1464 Mar 02 j 09:22	21° $\text{X}$ 13'33	1°25'33
	1463 Mar 30 j 14:35	0° $\text{B}$			1464 Mar 06 j 18:19	0° $\text{Y}$	
evening max el	1463 Apr 15 j 06:55	24° $\text{B}$ 03'11	20°49'52	evening rise	1464 Mar 10 j 11:22	7° $\text{Y}$ 30'57	
retrograde	1463 Apr 26 j 17:21	29° $\text{B}$ 36'33		asc. node	1464 Mar 11 j 14:59	9° $\text{Y}$ 49'37	
evening set	1463 Apr 28 j 21:02	29° $\text{B}$ 25'29			1464 Mar 23 j 01:50	0° $\text{B}$	
desc. node	1463 May 03 j 09:31	27° $\text{B}$ 58'40		evening max el	1464 Mar 27 j 19:02	5° $\text{B}$ 35'22	19°39'41
inferior conj	1463 May 08 j 04:01	25° $\text{B}$ 27'28	-1°22'52	retrograde	1464 Apr 06 j 12:00	10° $\text{B}$ 16'09	
minimum elong	1463 May 08 j 00:06	25° $\text{B}$ 33'04	1°21'27	evening set	1464 Apr 08 j 13:20	10° $\text{B}$ 04'30	
min. Earth dist.	1463 May 09 j 01:30	24° $\text{B}$ 56'52	0.54978 AU	inferior conj	1464 Apr 17 j 05:47	6° $\text{B}$ 01'23	0°34'55
morning rise	1463 May 17 j 02:48	21° $\text{B}$ 21'23		minimum elong	1464 Apr 17 j 07:16	5° $\text{B}$ 59'01	0°34'22
direct	1463 May 20 j 13:56	20° $\text{B}$ 55'31		desc. node	1464 Apr 19 j 06:31	4° $\text{B}$ 44'40	
morning max el	1463 Jun 02 j 16:17	27° $\text{B}$ 12'54	22°53'36	min. Earth dist.	1464 Apr 19 j 15:51	4° $\text{B}$ 30'15	0.55747 AU
	1463 Jun 05 j 09:39	0° $\text{II}$		morning rise	1464 Apr 25 j 22:38	1° $\text{B}$ 24'59	
asc. node	1463 Jun 21 j 17:10	25° $\text{II}$ 42'06		direct	1464 Apr 30 j 07:24	0° $\text{B}$ 42'21	
	1463 Jun 23 j 20:07	0° $\text{E}$		morning max el	1464 May 14 j 07:25	7° $\text{B}$ 43'52	24°35'15
morning set	1463 Jun 25 j 06:49	3° $\text{E}$ 00'20			1464 May 30 j 13:40	0° $\text{II}$	
				asc. node	1464 Jun 07 j 14:12	15° $\text{II}$ 28'37	
superior conj	1463 Jul 02 j 09:39	18° $\text{E}$ 11'38	1°31'56	morning set	1464 Jun 08 j 18:42	17° $\text{II}$ 57'46	
minimum elong	1463 Jul 02 j 07:27	17° $\text{E}$ 59'55	1°31'43		1464 Jun 14 j 08:40	0° $\text{E}$	
max. Earth dist.	1463 Jul 05 j 04:42	24° $\text{E}$ 05'35	1.33939 AU				
	1463 Jul 08 j 01:34	0° $\text{O}$		superior conj	1464 Jun 15 j 18:34	3° $\text{E}$ 04'24	1°16'50
evening rise	1463 Jul 10 j 03:20	4° $\text{O}$ 08'51		minimum elong	1464 Jun 15 j 16:08	2° $\text{E}$ 51'11	1°16'28
	1463 Jul 24 j 16:20	0° $\text{P}$		max. Earth dist.	1464 Jun 17 j 09:01	6° $\text{E}$ 32'37	1.32977 AU
desc. node	1463 Jul 30 j 08:48	8° $\text{P}$ 34'30		evening rise	1464 Jun 23 j 00:58	18° $\text{E}$ 27'26	
evening max el	1463 Aug 13 j 13:43	25° $\text{P}$ 49'22	27°15'23		1464 Jun 28 j 22:54	0° $\text{O}$	
	1463 Aug 18 j 14:38	0° $\text{A}$		desc. node	1464 Jul 16 j 05:50	27° $\text{O}$ 38'52	
retrograde	1463 Aug 26 j 23:43	3° $\text{A}$ 08'12			1464 Jul 18 j 01:18	0° $\text{P}$	
evening set	1463 Sep 03 j 00:10	0° $\text{A}$ 24'01		evening max el	1464 Jul 25 j 23:49	8° $\text{P}$ 51'52	27°25'19
	1463 Sep 03 j 12:05	30° $\text{R}$ $\text{P}$		retrograde	1464 Aug 08 j 17:14	16° $\text{P}$ 09'57	
min. Earth dist.	1463 Sep 06 j 18:52	26° $\text{P}$ 49'43	0.64736 AU	evening set	1464 Aug 15 j 22:10	13° $\text{P}$ 34'56	
inferior conj	1463 Sep 09 j 00:18	24° $\text{P}$ 23'28	-2°47'14	min. Earth dist.	1464 Aug 19 j 12:37	10° $\text{P}$ 32'00	0.63102 AU
minimum elong	1463 Sep 09 j 04:38	24° $\text{P}$ 11'36	2°45'44	inferior conj	1464 Aug 22 j 06:38	7° $\text{P}$ 49'35	-3°40'32
morning rise	1463 Sep 15 j 10:01	18° $\text{P}$ 53'39		minimum elong	1464 Aug 22 j 11:47	7° $\text{P}$ 36'50	3°39'07
asc. node	1463 Sep 17 j 16:25	18° $\text{P}$ 17'30		morning rise	1464 Aug 29 j 02:43	2° $\text{P}$ 37'18	
direct	1463 Sep 18 j 01:46	18° $\text{P}$ 16'41		direct	1464 Aug 31 j 14:24	2° $\text{P}$ 08'13	
morning max el	1463 Sep 24 j 13:53	21° $\text{P}$ 44'54	18°02'31	asc. node	1464 Sep 03 j 13:25	2° $\text{P}$ 50'18	
	1463 Sep 30 j 23:00	0° $\text{A}$		morning max el	1464 Sep 07 j 05:57	5° $\text{P}$ 34'05	17°52'00
morning set	1463 Oct 12 j 07:10	18° $\text{A}$ 33'12			1464 Sep 23 j 02:05	0° $\text{A}$	
	1463 Oct 19 j 04:24	0° $\text{M}$		morning set	1464 Sep 23 j 14:49	0° $\text{A}$ 56'05	
superior conj	1463 Oct 26 j 01:22	11° $\text{M}$ 09'05	0°01'54	superior conj	1464 Oct 05 j 09:29	21° $\text{A}$ 13'26	0°45'04
minimum elong	1463 Oct 26 j 01:36	11° $\text{M}$ 09'58	0°01'53	minimum elong	1464 Oct 05 j 13:37	21° $\text{A}$ 30'43	0°44'31
behind sun begin	1463 Oct 25 j 15:05	10° $\text{M}$ 27'49			1464 Oct 10 j 17:33	0° $\text{M}$	
behind sun end	1463 Oct 26 j 12:07	11° $\text{M}$ 52'03		max. Earth dist.	1464 Oct 11 j 22:47	1° $\text{M}$ 58'01	1.43734 AU
desc. node	1463 Oct 26 j 08:07	11° $\text{M}$ 36'06		desc. node	1464 Oct 12 j 05:08	2° $\text{M}$ 23'34	
max. Earth dist.	1463 Oct 30 j 06:46	17° $\text{M}$ 52'19	1.44768 AU	evening rise	1464 Oct 20 j 18:35	15° $\text{M}$ 52'39	
	1463 Nov 07 j 00:38	0° $\text{J}$			1464 Oct 30 j 01:38	0° $\text{J}$	
evening rise	1463 Nov 11 j 10:40	6° $\text{J}$ 50'35		evening max el	1464 Nov 19 j 10:54	27° $\text{J}$ 33'27	21°03'56
greatest brilliancy	1463 Nov 25 j 08:07	27° $\text{J}$ 59'53	-0.6m		1464 Nov 22 j 02:28	0° $\text{Z}$	
	1463 Nov 26 j 16:44	0° $\text{Z}$		retrograde	1464 Nov 27 j 23:15	2° $\text{Z}$ 36'25	
evening max el	1463 Dec 07 j 10:57	14° $\text{Z}$ 03'34	19°58'01	asc. node	1464 Nov 30 j 12:42	1° $\text{Z}$ 59'46	
asc. node	1463 Dec 14 j 15:42	18° $\text{Z}$ 29'44		evening set	1464 Dec 02 j 00:22	1° $\text{Z}$ 03'43	
retrograde	1463 Dec 15 j 01:37	18° $\text{Z}$ 30'41			1464 Dec 03 j 05:21	30° $\text{R}$ $\text{J}$	
evening set	1463 Dec 18 j 17:02	17° $\text{Z}$ 13'09		inferior conj	1464 Dec 07 j 09:14	24° $\text{J}$ 51'10	2°11'07
inferior conj	1463 Dec 24 j 03:53	11° $\text{Z}$ 11'12	2°49'59	minimum elong	1464 Dec 07 j 06:45	24° $\text{J}$ 59'41	2°10'17
minimum elong	1463 Dec 24 j 01:12	11° $\text{Z}$ 20'07	2°49'16	min. Earth dist.	1464 Dec 07 j 18:53	24° $\text{J}$ 17'57	0.67502 AU

morning rise	1464 Dec 12 j 12:56	18° $\text{♄}$ 37'58		morning max el	1465 Dec 10 j 23:57	6° $\text{♄}$ 04'20	22°18'28
direct	1464 Dec 17 j 20:06	16° $\text{♄}$ 19'02		desc. node	1465 Dec 26 j 01:25	25° $\text{♄}$ 13'35	
morning max el	1464 Dec 28 j 12:52	22° $\text{♄}$ 41'45	23°46'09		1465 Dec 29 j 08:33	0° $\text{♄}$	
	1465 Jan 03 j 22:35	0° $\text{♄}$		morning set	1466 Jan 13 j 09:37	23° $\text{♄}$ 13'48	
desc. node	1465 Jan 08 j 04:22	5° $\text{♄}$ 30'07			1466 Jan 17 j 12:15	0° $\text{♄}$	
	1465 Jan 24 j 19:27	0° $\text{♄}$		max. Earth dist.	1466 Jan 18 j 18:05	2° $\text{♄}$ 05'15	1.40795 AU
morning set	1465 Feb 01 j 23:53	13° $\text{♄}$ 28'48					
max. Earth dist.	1465 Feb 05 j 21:13	20° $\text{♄}$ 14'16	1.38649 AU	superior conj	1466 Jan 26 j 13:22	15° $\text{♄}$ 39'01	-2°01'30
	1465 Feb 11 j 06:30	0° $\text{♄}$		minimum elong	1466 Jan 26 j 15:37	15° $\text{♄}$ 49'08	2°01'26
					1466 Feb 03 j 09:04	0° $\text{♄}$	
superior conj	1465 Feb 13 j 06:08	3° $\text{♄}$ 42'50	-1°47'41	evening rise	1466 Feb 05 j 18:18	4° $\text{♄}$ 28'02	
minimum elong	1465 Feb 13 j 10:10	4° $\text{♄}$ 01'51	1°47'19	asc. node	1466 Feb 13 j 09:03	18° $\text{♄}$ 21'01	
evening rise	1465 Feb 22 j 08:03	21° $\text{♄}$ 16'39			1466 Feb 21 j 13:37	0° $\text{♄}$	
asc. node	1465 Feb 26 j 12:01	29° $\text{♄}$ 17'20		evening max el	1466 Feb 22 j 00:18	0° $\text{♄}$ 26'49	18°18'19
	1465 Feb 26 j 21:08	0° $\text{♄}$		retrograde	1466 Mar 01 j 04:07	4° $\text{♄}$ 00'30	
evening max el	1465 Mar 10 j 17:48	17° $\text{♄}$ 45'37	18°48'59	evening set	1466 Mar 03 j 16:14	3° $\text{♄}$ 35'21	
retrograde	1465 Mar 18 j 22:30	21° $\text{♄}$ 44'31			1466 Mar 09 j 12:13	30° $\text{♄}$	
evening set	1465 Mar 21 j 04:47	21° $\text{♄}$ 27'30		inferior conj	1466 Mar 10 j 19:10	28° $\text{♄}$ 55'02	3°09'48
inferior conj	1465 Mar 29 j 01:50	17° $\text{♄}$ 08'03	2°09'26	minimum elong	1466 Mar 10 j 22:34	28° $\text{♄}$ 47'45	3°09'10
minimum elong	1465 Mar 29 j 05:51	17° $\text{♄}$ 00'40	2°08'16	min. Earth dist.	1466 Mar 14 j 05:20	26° $\text{♄}$ 01'06	0.59333 AU
min. Earth dist.	1465 Apr 01 j 08:28	14° $\text{♄}$ 45'37	0.57308 AU	morning rise	1466 Mar 18 j 02:28	23° $\text{♄}$ 18'39	
morning rise	1465 Apr 06 j 03:49	11° $\text{♄}$ 58'13		direct	1466 Mar 24 j 10:55	21° $\text{♄}$ 29'39	
desc. node	1465 Apr 06 j 03:33	11° $\text{♄}$ 58'30		desc. node	1466 Mar 24 j 00:35	21° $\text{♄}$ 30'09	
direct	1465 Apr 11 j 14:44	10° $\text{♄}$ 45'52		morning max el	1466 Apr 07 j 18:56	29° $\text{♄}$ 14'49	27°14'12
morning max el	1465 Apr 25 j 22:41	18° $\text{♄}$ 15'38	26°07'05		1466 Apr 08 j 13:01	0° $\text{♄}$	
	1465 May 05 j 17:41	0° $\text{♄}$			1466 Apr 29 j 13:20	0° $\text{♄}$	
	1465 May 22 j 20:55	0° $\text{♄}$		morning set	1466 May 08 j 14:56	17° $\text{♄}$ 38'33	
morning set	1465 May 24 j 05:57	2° $\text{♄}$ 52'21		asc. node	1466 May 12 j 08:19	25° $\text{♄}$ 34'35	
asc. node	1465 May 25 j 11:15	5° $\text{♄}$ 27'44			1466 May 14 j 08:58	0° $\text{♄}$	
superior conj	1465 May 31 j 05:45	18° $\text{♄}$ 02'08	0°57'39	superior conj	1466 May 15 j 17:30	2° $\text{♄}$ 58'47	0°35'08
minimum elong	1465 May 31 j 03:35	17° $\text{♄}$ 50'11	0°57'14	minimum elong	1466 May 15 j 16:01	2° $\text{♄}$ 50'34	0°34'49
max. Earth dist.	1465 May 31 j 19:12	19° $\text{♄}$ 15'58	1.32410 AU	max. Earth dist.	1466 May 15 j 07:42	2° $\text{♄}$ 04'51	1.32221 AU
	1465 Jun 05 j 18:12	0° $\text{♄}$		evening rise	1466 May 22 j 14:28	17° $\text{♄}$ 54'37	
evening rise	1465 Jun 07 j 05:29	3° $\text{♄}$ 05'26			1466 May 28 j 14:13	0° $\text{♄}$	
	1465 Jun 21 j 18:45	0° $\text{♄}$			1466 Jun 17 j 07:31	0° $\text{♄}$	
desc. node	1465 Jul 03 j 02:51	15° $\text{♄}$ 50'01		desc. node	1466 Jun 19 j 23:51	2° $\text{♄}$ 45'58	
evening max el	1465 Jul 08 j 05:40	21° $\text{♄}$ 17'52	27°02'54	evening max el	1466 Jun 20 j 04:53	2° $\text{♄}$ 58'01	26°07'49
retrograde	1465 Jul 22 j 03:28	28° $\text{♄}$ 32'27		retrograde	1466 Jul 04 j 04:57	10° $\text{♄}$ 08'59	
evening set	1465 Jul 29 j 04:05	26° $\text{♄}$ 20'04		evening set	1466 Jul 10 j 13:13	8° $\text{♄}$ 30'57	
min. Earth dist.	1465 Aug 01 j 19:57	23° $\text{♄}$ 38'08	0.61185 AU	min. Earth dist.	1466 Jul 14 j 17:34	5° $\text{♄}$ 54'03	0.59126 AU
inferior conj	1465 Aug 05 j 00:02	20° $\text{♄}$ 53'05	-4°24'50	inferior conj	1466 Jul 18 j 00:58	3° $\text{♄}$ 24'30	-4°51'40
minimum elong	1465 Aug 05 j 04:44	20° $\text{♄}$ 42'52	4°23'59	minimum elong	1466 Jul 18 j 03:00	3° $\text{♄}$ 20'39	4°51'33
morning rise	1465 Aug 12 j 07:04	16° $\text{♄}$ 01'20			1466 Jul 23 j 03:11	30° $\text{♄}$	
direct	1465 Aug 14 j 17:25	15° $\text{♄}$ 37'18		morning rise	1466 Jul 25 j 18:56	28° $\text{♄}$ 55'35	
asc. node	1465 Aug 21 j 10:27	18° $\text{♄}$ 46'57		direct	1466 Jul 28 j 06:34	28° $\text{♄}$ 34'33	
morning max el	1465 Aug 21 j 19:46	19° $\text{♄}$ 09'03	18°00'08		1466 Aug 02 j 02:57	0° $\text{♄}$	
	1465 Aug 29 j 18:10	0° $\text{♄}$		morning max el	1466 Aug 05 j 04:16	2° $\text{♄}$ 21'52	18°28'14
morning set	1465 Sep 06 j 16:28	14° $\text{♄}$ 10'21		asc. node	1466 Aug 08 j 07:30	5° $\text{♄}$ 53'00	
	1465 Sep 15 j 09:05	0° $\text{♄}$		morning set	1466 Aug 21 j 06:59	28° $\text{♄}$ 01'56	
					1466 Aug 22 j 07:31	0° $\text{♄}$	
superior conj	1465 Sep 16 j 20:35	2° $\text{♄}$ 36'56	1°16'46				
minimum elong	1465 Sep 17 j 01:05	2° $\text{♄}$ 56'40	1°16'15	superior conj	1466 Aug 30 j 06:49	15° $\text{♄}$ 08'58	1°36'15
max. Earth dist.	1465 Sep 24 j 10:13	15° $\text{♄}$ 32'57	1.42142 AU	minimum elong	1466 Aug 30 j 09:45	15° $\text{♄}$ 22'34	1°36'01
desc. node	1465 Sep 29 j 02:10	23° $\text{♄}$ 09'51		max. Earth dist.	1466 Sep 06 j 16:40	28° $\text{♄}$ 26'50	1.40196 AU
evening rise	1465 Sep 30 j 11:09	25° $\text{♄}$ 21'38			1466 Sep 07 j 14:15	0° $\text{♄}$	
	1465 Oct 03 j 09:50	0° $\text{♄}$		evening rise	1466 Sep 11 j 00:52	5° $\text{♄}$ 49'29	
	1465 Oct 23 j 23:38	0° $\text{♄}$		desc. node	1466 Sep 15 j 23:10	13° $\text{♄}$ 51'19	
evening max el	1465 Nov 02 j 05:25	11° $\text{♄}$ 05'01	22°19'29		1466 Sep 26 j 13:29	0° $\text{♄}$	
retrograde	1465 Nov 11 j 19:09	16° $\text{♄}$ 46'28		evening max el	1466 Oct 15 j 19:40	24° $\text{♄}$ 38'56	23°39'24
evening set	1465 Nov 16 j 07:58	14° $\text{♄}$ 57'01			1466 Oct 22 j 18:00	0° $\text{♄}$	
asc. node	1465 Nov 17 j 09:42	13° $\text{♄}$ 58'29		retrograde	1466 Oct 26 j 12:02	0° $\text{♄}$ 57'07	
inferior conj	1465 Nov 21 j 16:24	8° $\text{♄}$ 37'22	1°25'40		1466 Oct 29 j 22:45	30° $\text{♄}$	
minimum elong	1465 Nov 21 j 14:34	8° $\text{♄}$ 43'44	1°24'56	evening set	1466 Oct 31 j 14:11	28° $\text{♄}$ 50'15	
min. Earth dist.	1465 Nov 21 j 14:53	8° $\text{♄}$ 42'36	0.67777 AU	asc. node	1466 Nov 04 j 06:45	24° $\text{♄}$ 44'50	
morning rise	1465 Nov 26 j 21:01	2° $\text{♄}$ 26'15		inferior conj	1466 Nov 05 j 23:34	22° $\text{♄}$ 27'11	0°34'57
direct	1465 Dec 01 j 13:11	0° $\text{♄}$ 29'47		minimum elong	1466 Nov 05 j 22:45	22° $\text{♄}$ 30'00	0°34'36






















































































































min. Earth dist.	1466 Nov 05 j 11:28	23° $\mathbb{M}$ 08'31	0.67714 AU	asc. node	1467 Oct 22 j 03:48	5° $\mathbb{M}$ 04'45	
morning rise	1466 Nov 11 j 07:17	16° $\mathbb{M}$ 20'17		morning rise	1467 Oct 26 j 17:50	0° $\mathbb{M}$ 18'42	
direct	1466 Nov 15 j 09:20	14° $\mathbb{M}$ 46'31			1467 Oct 27 j 05:30	30° $\mathbb{R}$ $\underline{\mathbb{A}}$	
morning max el	1466 Nov 23 j 17:14	19° $\mathbb{M}$ 36'33	20°57'34	direct	1467 Oct 30 j 07:24	29° $\underline{\mathbb{A}}$ 05'24	
	1466 Dec 02 j 06:15	0° $\mathbb{X}$			1467 Nov 02 j 13:20	0° $\mathbb{M}$	
desc. node	1466 Dec 12 j 22:26	15° $\mathbb{X}$ 20'05		morning max el	1467 Nov 06 j 18:20	3° $\mathbb{M}$ 20'05	19°48'35
	1466 Dec 22 j 13:28	0° $\mathbb{Z}$			1467 Nov 26 j 01:46	0° $\mathbb{X}$	
morning set	1466 Dec 23 j 16:18	1° $\mathbb{Z}$ 44'36		desc. node	1467 Nov 29 j 19:28	5° $\mathbb{X}$ 43'18	
max. Earth dist.	1466 Dec 31 j 22:08	14° $\mathbb{Z}$ 53'08	1.42723 AU	morning set	1467 Dec 02 j 12:32	9° $\mathbb{X}$ 53'57	
				max. Earth dist.	1467 Dec 14 j 09:19	28° $\mathbb{X}$ 28'41	1.44177 AU
superior conj	1467 Jan 07 j 21:38	26° $\mathbb{Z}$ 28'55	-2°03'02		1467 Dec 15 j 08:15	0° $\mathbb{Z}$	
minimum elong	1467 Jan 07 j 19:41	26° $\mathbb{Z}$ 20'38	2°02'59				
	1467 Jan 09 j 23:07	0° $\approx$		superior conj	1467 Dec 19 j 03:26	6° $\mathbb{Z}$ 06'20	-1°47'29
evening rise	1467 Jan 19 j 14:10	16° $\approx$ 56'06		minimum elong	1467 Dec 18 j 20:18	5° $\mathbb{Z}$ 37'26	1°46'57
	1467 Jan 26 j 23:48	0° $\mathbb{H}$		evening rise	1468 Jan 01 j 15:21	28° $\mathbb{Z}$ 32'39	
asc. node	1467 Jan 31 j 06:06	6° $\mathbb{H}$ 52'28			1468 Jan 02 j 11:53	0° $\approx$	
evening max el	1467 Feb 05 j 11:18	13° $\mathbb{H}$ 29'31	18°07'23	asc. node	1468 Jan 18 j 03:08	24° $\approx$ 41'52	
retrograde	1467 Feb 12 j 01:53	16° $\mathbb{H}$ 53'50		evening max el	1468 Jan 19 j 23:52	26° $\approx$ 46'16	18°15'42
evening set	1467 Feb 14 j 19:06	16° $\mathbb{H}$ 19'10			1468 Jan 24 j 19:23	0° $\mathbb{H}$	
inferior conj	1467 Feb 21 j 07:30	11° $\mathbb{H}$ 17'50	3°39'15	retrograde	1468 Jan 26 j 11:08	0° $\mathbb{H}$ 14'34	
minimum elong	1467 Feb 21 j 08:57	11° $\mathbb{H}$ 14'18	3°39'09		1468 Jan 28 j 02:48	30° $\mathbb{R}$ $\approx$	
min. Earth dist.	1467 Feb 24 j 09:29	8° $\mathbb{H}$ 17'00	0.61467 AU	evening set	1468 Jan 29 j 09:17	29° $\approx$ 29'27	
morning rise	1467 Feb 27 j 21:15	5° $\mathbb{H}$ 24'06		inferior conj	1468 Feb 04 j 10:54	24° $\approx$ 08'33	3°44'56
direct	1467 Mar 06 j 17:44	3° $\mathbb{H}$ 01'31		minimum elong	1468 Feb 04 j 10:24	24° $\approx$ 09'55	3°44'54
desc. node	1467 Mar 10 j 21:38	3° $\mathbb{H}$ 49'21		min. Earth dist.	1468 Feb 06 j 22:57	21° $\approx$ 22'59	0.63438 AU
morning max el	1467 Mar 20 j 21:41	10° $\mathbb{H}$ 54'57	27°46'42	morning rise	1468 Feb 10 j 10:39	18° $\approx$ 04'47	
	1467 Apr 04 j 20:10	0° $\mathbb{Y}$		direct	1468 Feb 17 j 09:24	15° $\approx$ 19'58	
	1467 Apr 21 j 18:16	0° $\mathbb{B}$		desc. node	1468 Feb 25 j 18:41	18° $\approx$ 33'32	
morning set	1467 Apr 22 j 19:45	2° $\mathbb{B}$ 09'37		morning max el	1468 Mar 02 j 05:18	23° $\approx$ 14'44	27°41'51
max. Earth dist.	1467 Apr 28 j 18:33	14° $\mathbb{B}$ 45'32	1.32411 AU		1468 Mar 08 j 06:00	0° $\mathbb{H}$	
asc. node	1467 Apr 29 j 05:23	15° $\mathbb{B}$ 44'21			1468 Mar 28 j 02:22	0° $\mathbb{Y}$	
				morning set	1468 Apr 05 j 18:02	16° $\mathbb{Y}$ 17'58	
superior conj	1467 Apr 30 j 04:07	17° $\mathbb{B}$ 48'18	0°10'01	max. Earth dist.	1468 Apr 10 j 23:39	27° $\mathbb{Y}$ 04'13	1.33007 AU
minimum elong	1467 Apr 30 j 03:39	17° $\mathbb{B}$ 45'46	0°09'55		1468 Apr 12 j 08:45	0° $\mathbb{B}$	
behind sun begin	1467 Apr 29 j 23:39	17° $\mathbb{B}$ 23'54					
behind sun end	1467 Apr 30 j 07:40	18° $\mathbb{B}$ 07'39		superior conj	1468 Apr 13 j 11:50	2° $\mathbb{B}$ 25'00	-0°16'55
	1467 May 05 j 18:27	0° $\mathbb{I}$		minimum elong	1468 Apr 13 j 12:39	2° $\mathbb{B}$ 29'26	0°16'43
evening rise	1467 May 07 j 01:48	2° $\mathbb{I}$ 47'26		asc. node	1468 Apr 15 j 02:27	5° $\mathbb{B}$ 53'02	
	1467 May 21 j 18:55	0° $\mathbb{E}$		evening rise	1468 Apr 20 j 13:36	17° $\mathbb{B}$ 37'27	
evening max el	1467 Jun 01 j 21:13	13° $\mathbb{E}$ 53'47	24°46'24		1468 Apr 26 j 16:43	0° $\mathbb{I}$	
desc. node	1467 Jun 06 j 20:52	17° $\mathbb{E}$ 56'37		evening max el	1468 May 13 j 11:08	24° $\mathbb{I}$ 25'09	23°11'33
retrograde	1467 Jun 15 j 20:03	20° $\mathbb{E}$ 58'12			1468 May 21 j 10:45	0° $\mathbb{E}$	
evening set	1467 Jun 20 j 22:50	19° $\mathbb{E}$ 58'48		desc. node	1468 May 23 j 17:54	0° $\mathbb{E}$ 45'38	
min. Earth dist.	1467 Jun 26 j 08:28	17° $\mathbb{E}$ 08'48	0.57171 AU	retrograde	1468 May 26 j 22:55	1° $\mathbb{E}$ 09'07	
inferior conj	1467 Jun 29 j 06:21	15° $\mathbb{E}$ 14'31	-4°48'44	evening set	1468 May 30 j 13:46	0° $\mathbb{E}$ 40'22	
minimum elong	1467 Jun 29 j 03:29	15° $\mathbb{E}$ 19'14	4°48'31		1468 Jun 01 j 15:27	30° $\mathbb{R}$ $\mathbb{I}$	
morning rise	1467 Jul 07 j 10:51	11° $\mathbb{E}$ 07'19		min. Earth dist.	1468 Jun 06 j 20:47	27° $\mathbb{I}$ 22'56	0.55671 AU
direct	1467 Jul 10 j 01:25	10° $\mathbb{E}$ 48'08		inferior conj	1468 Jun 08 j 15:57	26° $\mathbb{I}$ 19'43	-4°02'34
morning max el	1467 Jul 19 j 04:28	15° $\mathbb{E}$ 03'28	19°17'27	minimum elong	1468 Jun 08 j 08:43	26° $\mathbb{I}$ 30'21	4°01'00
asc. node	1467 Jul 26 j 04:35	23° $\mathbb{E}$ 53'38		morning rise	1468 Jun 17 j 06:16	22° $\mathbb{I}$ 25'56	
	1467 Jul 29 j 19:43	0° $\mathbb{Q}$		direct	1468 Jun 20 j 01:01	22° $\mathbb{I}$ 07'19	
morning set	1467 Aug 05 j 06:32	12° $\mathbb{Q}$ 20'36		morning max el	1468 Jun 30 j 17:57	27° $\mathbb{I}$ 04'38	20°27'45
					1468 Jul 03 j 13:12	0° $\mathbb{E}$	
superior conj	1467 Aug 13 j 10:35	28° $\mathbb{Q}$ 34'03	1°45'04	asc. node	1468 Jul 12 j 01:39	12° $\mathbb{E}$ 35'38	
minimum elong	1467 Aug 13 j 11:32	28° $\mathbb{Q}$ 38'44	1°45'03	morning set	1468 Jul 19 j 12:10	26° $\mathbb{E}$ 57'34	
	1467 Aug 14 j 04:17	0° $\mathbb{P}$			1468 Jul 20 j 23:42	0° $\mathbb{Q}$	
max. Earth dist.	1467 Aug 19 j 20:20	10° $\mathbb{P}$ 40'18	1.38147 AU				
evening rise	1467 Aug 23 j 14:56	17° $\mathbb{P}$ 26'01		superior conj	1468 Jul 27 j 02:48	12° $\mathbb{Q}$ 36'33	1°45'14
	1467 Aug 31 j 01:55	0° $\underline{\mathbb{A}}$		minimum elong	1468 Jul 27 j 02:06	12° $\mathbb{Q}$ 32'59	1°45'14
desc. node	1467 Sep 02 j 20:11	4° $\underline{\mathbb{A}}$ 24'07		max. Earth dist.	1468 Aug 01 j 02:32	22° $\mathbb{Q}$ 30'48	1.36248 AU
	1467 Sep 20 j 22:41	0° $\mathbb{M}$		evening rise	1468 Aug 05 j 02:19	0° $\mathbb{P}$ 03'31	
evening max el	1467 Sep 28 j 07:44	8° $\mathbb{M}$ 16'29	24°57'09		1468 Aug 05 j 01:33	0° $\mathbb{P}$	
retrograde	1467 Oct 10 j 00:59	15° $\mathbb{M}$ 04'51		desc. node	1468 Aug 19 j 17:13	24° $\mathbb{P}$ 42'32	
evening set	1467 Oct 15 j 17:23	12° $\mathbb{M}$ 41'28			1468 Aug 23 j 06:01	0° $\underline{\mathbb{A}}$	
min. Earth dist.	1467 Oct 20 j 06:19	7° $\mathbb{M}$ 33'55	0.67322 AU	evening max el	1468 Sep 09 j 19:33	21° $\underline{\mathbb{A}}$ 55'26	26°05'32
inferior conj	1467 Oct 21 j 05:03	6° $\mathbb{M}$ 19'04	-0°19'38	retrograde	1468 Sep 22 j 09:13	29° $\underline{\mathbb{A}}$ 03'30	
minimum elong	1467 Oct 21 j 05:32	6° $\mathbb{M}$ 17'27	0°19'25	evening set	1468 Sep 28 j 15:40	26° $\underline{\mathbb{A}}$ 26'57	

min. Earth dist.	1468 Oct 02 j 21:03	21° $\Omega$ 55'10	0.66593 AU	min. Earth dist.	1469 Sep 16 j 05:16	6° $\Omega$ 07'36	0.65517 AU
inferior conj	1468 Oct 04 j 06:57	20° $\Omega$ 09'33	-1°16'43	inferior conj	1469 Sep 18 j 03:13	3° $\Omega$ 54'53	-2°14'33
minimum elong	1468 Oct 04 j 08:57	20° $\Omega$ 03'19	1°15'53	minimum elong	1469 Sep 18 j 06:46	3° $\Omega$ 44'39	2°13'12
asc. node	1468 Oct 08 j 00:51	15° $\Omega$ 54'43			1469 Sep 21 j 20:18	30° $\mathbb{R}$ $\mathbb{M}$	
morning rise	1468 Oct 10 j 02:37	14° $\Omega$ 18'26		morning rise	1469 Sep 24 j 07:23	28° $\mathbb{M}$ 16'04	
direct	1468 Oct 13 j 05:51	13° $\Omega$ 22'11		asc. node	1469 Sep 24 j 21:54	27° $\mathbb{M}$ 59'35	
morning max el	1468 Oct 20 j 02:34	17° $\Omega$ 11'35	18°54'23	direct	1469 Sep 27 j 02:39	27° $\mathbb{M}$ 33'01	
	1468 Oct 29 j 19:42	0° $\mathbb{M}$			1469 Oct 02 j 11:28	0° $\Omega$	
morning set	1468 Nov 10 j 23:15	18° $\mathbb{M}$ 53'02		morning max el	1469 Oct 03 j 15:55	1° $\Omega$ 06'32	18°16'29
desc. node	1468 Nov 15 j 16:30	26° $\mathbb{M}$ 17'57		morning set	1469 Oct 22 j 14:14	29° $\Omega$ 17'52	
	1468 Nov 18 j 01:05	0° $\mathbb{M}$			1469 Oct 23 j 00:33	0° $\mathbb{M}$	
max. Earth dist.	1468 Nov 26 j 01:34	12° $\mathbb{M}$ 35'24	1.44986 AU	desc. node	1469 Nov 02 j 13:31	17° $\mathbb{M}$ 00'10	
superior conj	1468 Nov 27 j 10:53	14° $\mathbb{M}$ 46'29	-1°13'12	superior conj	1469 Nov 06 j 12:37	23° $\mathbb{M}$ 17'09	-0°26'13
minimum elong	1468 Nov 27 j 02:31	14° $\mathbb{M}$ 13'33	1°12'15	minimum elong	1469 Nov 06 j 09:13	23° $\mathbb{M}$ 03'43	0°25'45
	1468 Dec 07 j 01:07	0° $\mathbb{Z}$		max. Earth dist.	1469 Nov 08 j 20:35	26° $\mathbb{M}$ 57'39	1.45065 AU
evening rise	1468 Dec 12 j 17:57	9° $\mathbb{Z}$ 11'23			1469 Nov 10 j 19:01	0° $\mathbb{M}$	
	1468 Dec 25 j 18:00	0° $\approx$		evening rise	1469 Nov 22 j 21:23	18° $\mathbb{M}$ 54'49	
evening max el	1469 Jan 02 j 11:22	10° $\approx$ 11'09	18°42'24		1469 Nov 30 j 00:03	0° $\mathbb{Z}$	
asc. node	1469 Jan 04 j 00:10	11° $\approx$ 37'03		greatest brilliancy	1469 Dec 04 j 10:34	6° $\mathbb{Z}$ 50'30	-0.7m
retrograde	1469 Jan 09 j 03:38	13° $\approx$ 54'43		evening max el	1469 Dec 16 j 19:34	23° $\mathbb{Z}$ 39'38	19°26'02
evening set	1469 Jan 12 j 07:26	12° $\approx$ 58'04		asc. node	1469 Dec 21 j 21:11	27° $\mathbb{Z}$ 23'25	
inferior conj	1469 Jan 18 j 01:23	7° $\approx$ 19'26	3°33'12	retrograde	1469 Dec 24 j 00:02	27° $\mathbb{Z}$ 48'04	
minimum elong	1469 Jan 17 j 23:32	7° $\approx$ 25'04	3°32'57	evening set	1469 Dec 27 j 10:49	26° $\mathbb{Z}$ 38'31	
min. Earth dist.	1469 Jan 19 j 21:58	5° $\approx$ 04'26	0.65081 AU	inferior conj	1470 Jan 01 j 23:39	20° $\mathbb{Z}$ 44'23	3°08'39
morning rise	1469 Jan 23 j 15:11	1° $\approx$ 10'15		minimum elong	1470 Jan 01 j 21:06	20° $\mathbb{Z}$ 52'39	3°08'05
	1469 Jan 25 j 03:48	30° $\mathbb{R}$ $\mathbb{Z}$		min. Earth dist.	1470 Jan 03 j 05:24	19° $\mathbb{Z}$ 07'52	0.66335 AU
direct	1469 Jan 30 j 08:17	28° $\mathbb{Z}$ 18'01		morning rise	1470 Jan 07 j 07:09	14° $\mathbb{Z}$ 32'18	
	1469 Feb 05 j 01:28	0° $\approx$		direct	1470 Jan 13 j 13:06	11° $\mathbb{Z}$ 46'11	
desc. node	1469 Feb 11 j 15:44	5° $\approx$ 06'52		morning max el	1470 Jan 26 j 00:11	19° $\mathbb{Z}$ 09'35	25°58'23
morning max el	1469 Feb 12 j 14:54	6° $\approx$ 03'47	27°03'17	desc. node	1470 Jan 29 j 12:45	22° $\mathbb{Z}$ 57'56	
	1469 Mar 03 j 00:02	0° $\mathbb{H}$			1470 Feb 04 j 05:42	0° $\approx$	
morning set	1469 Mar 20 j 06:45	29° $\mathbb{H}$ 54'14			1470 Feb 24 j 01:25	0° $\mathbb{H}$	
	1469 Mar 20 j 07:57	0° $\mathbb{Y}$		morning set	1470 Mar 03 j 05:42	12° $\mathbb{H}$ 44'42	
max. Earth dist.	1469 Mar 24 j 19:15	8° $\mathbb{Y}$ 51'20	1.34045 AU	max. Earth dist.	1470 Mar 07 j 03:09	20° $\mathbb{H}$ 05'58	1.35545 AU
superior conj	1469 Mar 28 j 14:38	16° $\mathbb{Y}$ 42'51	-0°44'34	superior conj	1470 Mar 12 j 09:55	0° $\mathbb{Y}$ 33'09	-1°11'36
minimum elong	1469 Mar 28 j 16:51	16° $\mathbb{Y}$ 54'30	0°44'07	minimum elong	1470 Mar 12 j 13:25	0° $\mathbb{Y}$ 50'48	1°11'01
asc. node	1469 Apr 01 j 23:29	25° $\mathbb{Y}$ 56'44			1470 Mar 12 j 03:22	0° $\mathbb{Y}$	
	1469 Apr 03 j 21:32	0° $\mathbb{B}$		asc. node	1470 Mar 19 j 20:31	15° $\mathbb{Y}$ 50'16	
evening rise	1469 Apr 05 j 00:02	2° $\mathbb{B}$ 18'53		evening rise	1470 Mar 20 j 07:01	16° $\mathbb{Y}$ 44'03	
	1469 Apr 20 j 18:35	0° $\mathbb{H}$			1470 Mar 27 j 01:59	0° $\mathbb{B}$	
evening max el	1469 Apr 25 j 06:11	5° $\mathbb{H}$ 04'19	21°38'18	evening max el	1470 Apr 07 j 11:35	16° $\mathbb{B}$ 13'45	20°17'45
retrograde	1469 May 07 j 14:33	11° $\mathbb{H}$ 07'00		retrograde	1470 Apr 18 j 04:01	21° $\mathbb{B}$ 23'37	
evening set	1469 May 10 j 02:07	10° $\mathbb{H}$ 53'07		evening set	1470 Apr 20 j 05:28	21° $\mathbb{B}$ 12'55	
desc. node	1469 May 10 j 14:56	10° $\mathbb{H}$ 46'38		desc. node	1470 Apr 27 j 11:58	18° $\mathbb{B}$ 17'42	
inferior conj	1469 May 19 j 12:03	6° $\mathbb{H}$ 51'31	-2°30'09	inferior conj	1470 Apr 29 j 07:27	17° $\mathbb{B}$ 14'44	-0°31'35
minimum elong	1469 May 19 j 05:23	7° $\mathbb{H}$ 00'50	2°27'59	minimum elong	1470 Apr 29 j 05:58	17° $\mathbb{B}$ 16'54	0°31'03
min. Earth dist.	1469 May 19 j 09:04	6° $\mathbb{H}$ 55'42	0.54958 AU	min. Earth dist.	1470 Apr 30 j 22:05	16° $\mathbb{B}$ 18'00	0.55197 AU
morning rise	1469 May 28 j 09:32	2° $\mathbb{H}$ 55'17		morning rise	1470 May 08 j 05:01	12° $\mathbb{B}$ 57'27	
direct	1469 May 31 j 12:40	2° $\mathbb{H}$ 33'47		direct	1470 May 12 j 00:41	12° $\mathbb{B}$ 25'49	
morning max el	1469 Jun 12 j 20:09	8° $\mathbb{H}$ 22'17	21°56'32	morning max el	1470 May 25 j 13:35	19° $\mathbb{B}$ 03'10	23°37'01
	1469 Jun 27 j 23:43	0° $\mathbb{E}$			1470 Jun 03 j 15:41	0° $\mathbb{H}$	
asc. node	1469 Jun 28 j 22:43	1° $\mathbb{E}$ 49'07		asc. node	1470 Jun 15 j 19:45	21° $\mathbb{H}$ 25'10	
morning set	1469 Jul 03 j 21:39	11° $\mathbb{E}$ 46'55		morning set	1470 Jun 18 j 09:06	26° $\mathbb{H}$ 42'30	
					1470 Jun 19 j 22:22	0° $\mathbb{E}$	
superior conj	1469 Jul 11 j 03:41	27° $\mathbb{E}$ 05'23	1°38'27	superior conj	1470 Jun 25 j 10:18	11° $\mathbb{E}$ 50'51	1°26'05
minimum elong	1469 Jul 11 j 01:52	26° $\mathbb{E}$ 55'50	1°38'19	minimum elong	1470 Jun 25 j 07:56	11° $\mathbb{E}$ 38'08	1°25'47
	1469 Jul 12 j 13:07	0° $\mathbb{Q}$		max. Earth dist.	1470 Jun 27 j 16:41	16° $\mathbb{E}$ 41'33	1.33485 AU
max. Earth dist.	1469 Jul 14 j 16:51	4° $\mathbb{Q}$ 26'19	1.34674 AU	evening rise	1470 Jul 02 j 22:34	27° $\mathbb{E}$ 31'57	
evening rise	1469 Jul 19 j 06:21	13° $\mathbb{Q}$ 29'54			1470 Jul 04 j 04:24	0° $\mathbb{Q}$	
	1469 Jul 28 j 08:36	0° $\mathbb{M}$			1470 Jul 21 j 14:32	0° $\mathbb{M}$	
desc. node	1469 Aug 06 j 14:14	14° $\mathbb{M}$ 39'49		desc. node	1470 Jul 24 j 11:17	4° $\mathbb{M}$ 06'39	
	1469 Aug 18 j 03:52	0° $\Omega$		evening max el	1470 Aug 05 j 19:25	18° $\mathbb{M}$ 47'19	27°23'26
evening max el	1469 Aug 23 j 07:51	5° $\Omega$ 29'38	26°56'42	retrograde	1470 Aug 19 j 08:46	26° $\mathbb{M}$ 05'25	
retrograde	1469 Sep 05 j 12:00	12° $\Omega$ 46'23		evening set	1470 Aug 26 j 12:03	23° $\mathbb{M}$ 23'51	
evening set	1469 Sep 12 j 06:49	10° $\Omega$ 02'45					

min. Earth dist.	1470 Aug 30 j 04:40	20° $\mathbb{M}$ 03'38	0.64082 AU	retrograde	1471 Aug 01 j 23:05	8° $\mathbb{M}$ 51'17	
inferior conj	1470 Sep 01 j 15:26	17° $\mathbb{M}$ 29'35	-3°10'35	evening set	1471 Aug 09 j 03:43	6° $\mathbb{M}$ 23'59	
minimum elong	1470 Sep 01 j 20:13	17° $\mathbb{M}$ 17'00	3°09'02	min. Earth dist.	1471 Aug 12 j 17:43	3° $\mathbb{M}$ 31'59	0.62314 AU
morning rise	1470 Sep 08 j 05:25	12° $\mathbb{M}$ 06'37		inferior conj	1471 Aug 15 j 16:38	0° $\mathbb{M}$ 46'27	-4°00'54
direct	1470 Sep 10 j 19:14	11° $\mathbb{M}$ 33'15		minimum elong	1471 Aug 15 j 21:49	0° $\mathbb{M}$ 34'19	3°59'39
asc. node	1470 Sep 11 j 18:56	11° $\mathbb{M}$ 38'14			1471 Aug 16 j 12:37	30° $\mathbb{R}$ 0	
morning max el	1470 Sep 17 j 07:47	14° $\mathbb{M}$ 59'17	17°55'51	morning rise	1471 Aug 22 j 17:22	25° $\mathbb{Q}$ 42'48	
	1470 Sep 27 j 20:49	0° $\mathbb{L}$		direct	1471 Aug 25 j 04:16	25° $\mathbb{Q}$ 16'05	
morning set	1470 Oct 04 j 08:43	11° $\mathbb{L}$ 02'59		asc. node	1471 Aug 29 j 15:59	26° $\mathbb{Q}$ 47'57	
	1470 Oct 15 j 15:26	0° $\mathbb{M}$		morning max el	1471 Aug 31 j 23:17	28° $\mathbb{Q}$ 43'01	17°53'12
					1471 Sep 02 j 04:27	0° $\mathbb{M}$	
superior conj	1470 Oct 17 j 05:54	2° $\mathbb{M}$ 37'04	0°21'24	morning set	1471 Sep 17 j 00:42	23° $\mathbb{M}$ 49'14	
minimum elong	1470 Oct 17 j 08:16	2° $\mathbb{M}$ 46'41	0°21'04		1471 Sep 20 j 11:29	0° $\mathbb{L}$	
desc. node	1470 Oct 20 j 10:33	7° $\mathbb{M}$ 46'42					
max. Earth dist.	1470 Oct 22 j 15:04	11° $\mathbb{M}$ 16'32	1.44410 AU	superior conj	1471 Sep 28 j 01:39	13° $\mathbb{L}$ 15'25	1°00'03
evening rise	1470 Nov 02 j 08:23	28° $\mathbb{M}$ 02'04		minimum elong	1471 Sep 28 j 06:18	13° $\mathbb{L}$ 35'13	0°59'28
	1470 Nov 03 j 15:05	0° $\mathbb{X}$		max. Earth dist.	1471 Oct 05 j 05:35	25° $\mathbb{L}$ 11'39	1.43107 AU
	1470 Nov 23 j 23:54	0° $\mathbb{Z}$		desc. node	1471 Oct 07 j 07:35	28° $\mathbb{L}$ 33'51	
evening max el	1470 Nov 29 j 22:48	7° $\mathbb{Z}$ 09'29	20°24'34		1471 Oct 08 j 05:04	0° $\mathbb{M}$	
retrograde	1470 Dec 07 j 21:53	11° $\mathbb{Z}$ 50'52		evening rise	1471 Oct 12 j 17:51	7° $\mathbb{M}$ 09'42	
asc. node	1470 Dec 08 j 18:12	11° $\mathbb{Z}$ 46'50			1471 Oct 27 j 22:17	0° $\mathbb{X}$	
evening set	1470 Dec 11 j 17:17	10° $\mathbb{Z}$ 26'53		evening max el	1471 Nov 12 j 20:15	20° $\mathbb{X}$ 39'21	21°35'06
inferior conj	1470 Dec 17 j 03:04	4° $\mathbb{Z}$ 19'59	2°34'24	retrograde	1471 Nov 21 j 19:04	25° $\mathbb{X}$ 58'54	
minimum elong	1470 Dec 17 j 00:26	4° $\mathbb{Z}$ 28'58	2°33'36	asc. node	1471 Nov 25 j 15:14	24° $\mathbb{X}$ 37'26	
min. Earth dist.	1470 Dec 17 j 19:33	3° $\mathbb{Z}$ 24'08	0.67186 AU	evening set	1471 Nov 26 j 00:58	24° $\mathbb{X}$ 19'02	
	1470 Dec 20 j 11:35	30° $\mathbb{R}$ $\mathbb{X}$		inferior conj	1471 Dec 01 j 09:26	18° $\mathbb{X}$ 02'46	1°52'34
morning rise	1470 Dec 22 j 07:24	28° $\mathbb{X}$ 06'49		minimum elong	1471 Dec 01 j 07:11	18° $\mathbb{X}$ 10'35	1°51'45
direct	1470 Dec 27 j 23:11	25° $\mathbb{X}$ 36'27		min. Earth dist.	1471 Dec 01 j 14:08	17° $\mathbb{X}$ 46'29	0.67659 AU
	1471 Jan 05 j 19:32	0° $\mathbb{Z}$		morning rise	1471 Dec 06 j 13:15	11° $\mathbb{X}$ 50'14	
morning max el	1471 Jan 08 j 08:40	2° $\mathbb{Z}$ 24'06	24°36'46	direct	1471 Dec 11 j 13:52	9° $\mathbb{X}$ 40'56	
desc. node	1471 Jan 16 j 09:46	11° $\mathbb{Z}$ 44'29		morning max el	1471 Dec 21 j 17:59	15° $\mathbb{X}$ 43'29	23°08'32
	1471 Jan 29 j 08:47	0° $\mathbb{X}$			1472 Jan 02 j 10:23	0° $\mathbb{Z}$	
morning set	1471 Feb 13 j 09:35	24° $\mathbb{X}$ 35'01		desc. node	1472 Jan 03 j 06:47	1° $\mathbb{Z}$ 10'10	
	1471 Feb 16 j 10:21	0° $\mathbb{X}$			1472 Jan 22 j 09:10	0° $\mathbb{X}$	
max. Earth dist.	1471 Feb 17 j 01:28	1° $\mathbb{X}$ 08'47	1.37447 AU	morning set	1472 Jan 25 j 12:07	5° $\mathbb{X}$ 08'55	
				max. Earth dist.	1472 Jan 29 j 20:33	12° $\mathbb{X}$ 32'43	1.39572 AU
superior conj	1471 Feb 23 j 18:36	13° $\mathbb{X}$ 47'35	-1°35'57				
minimum elong	1471 Feb 23 j 22:46	14° $\mathbb{X}$ 07'49	1°35'27	superior conj	1472 Feb 06 j 12:31	26° $\mathbb{X}$ 15'22	-1°54'44
	1471 Mar 03 j 22:54	0° $\mathbb{Y}$		minimum elong	1472 Feb 06 j 16:04	26° $\mathbb{X}$ 31'47	1°54'30
evening rise	1471 Mar 04 j 08:17	0° $\mathbb{Y}$ 46'41			1472 Feb 08 j 12:50	0° $\mathbb{X}$	
asc. node	1471 Mar 06 j 17:32	5° $\mathbb{Y}$ 29'08		evening rise	1472 Feb 16 j 01:00	14° $\mathbb{X}$ 18'56	
evening max el	1471 Mar 21 j 04:25	28° $\mathbb{Y}$ 02'06	19°15'31	asc. node	1472 Feb 21 j 14:34	24° $\mathbb{X}$ 47'31	
	1471 Mar 23 j 12:16	0° $\mathbb{Z}$			1472 Feb 24 j 14:04	0° $\mathbb{Y}$	
retrograde	1471 Mar 30 j 04:43	2° $\mathbb{Z}$ 23'27		evening max el	1472 Mar 03 j 06:47	10° $\mathbb{Y}$ 26'13	18°33'24
evening set	1471 Apr 01 j 07:49	2° $\mathbb{Z}$ 09'54		retrograde	1472 Mar 10 j 23:39	14° $\mathbb{Y}$ 12'44	
	1471 Apr 06 j 12:47	30° $\mathbb{R}$ $\mathbb{Y}$		evening set	1472 Mar 13 j 08:18	13° $\mathbb{Y}$ 52'39	
inferior conj	1471 Apr 09 j 16:05	28° $\mathbb{Y}$ 00'15	1°18'58	inferior conj	1472 Mar 20 j 21:17	9° $\mathbb{Y}$ 24'30	2°39'12
minimum elong	1471 Apr 09 j 19:07	27° $\mathbb{Y}$ 55'10	1°17'58	minimum elong	1472 Mar 21 j 01:20	9° $\mathbb{Y}$ 16'34	2°38'12
min. Earth dist.	1471 Apr 12 j 12:54	26° $\mathbb{Y}$ 05'50	0.56338 AU	min. Earth dist.	1472 Mar 24 j 07:13	6° $\mathbb{Y}$ 45'36	0.58133 AU
desc. node	1471 Apr 14 j 08:59	24° $\mathbb{Y}$ 58'02		morning rise	1472 Mar 28 j 15:24	4° $\mathbb{Y}$ 01'46	
morning rise	1471 Apr 18 j 03:31	23° $\mathbb{Y}$ 09'28		desc. node	1472 Mar 31 j 06:00	3° $\mathbb{Y}$ 01'28	
direct	1471 Apr 22 j 23:17	22° $\mathbb{Y}$ 15'52		direct	1472 Apr 03 j 12:11	2° $\mathbb{Y}$ 34'15	
morning max el	1471 May 07 j 04:02	29° $\mathbb{Y}$ 30'30	25°16'32	morning max el	1472 Apr 17 j 21:19	10° $\mathbb{Y}$ 12'26	26°39'27
	1471 May 07 j 16:10	0° $\mathbb{Z}$			1472 May 03 j 01:28	0° $\mathbb{Z}$	
	1471 May 28 j 02:22	0° $\mathbb{I}$		morning set	1472 May 17 j 07:27	26° $\mathbb{Z}$ 31'20	
morning set	1471 Jun 02 j 20:54	11° $\mathbb{I}$ 39'07			1472 May 18 j 22:49	0° $\mathbb{I}$	
asc. node	1471 Jun 02 j 16:48	11° $\mathbb{I}$ 17'27		asc. node	1472 May 19 j 13:51	1° $\mathbb{I}$ 20'39	
superior conj	1471 Jun 09 j 20:22	26° $\mathbb{I}$ 45'56	1°09'08	superior conj	1472 May 24 j 08:03	11° $\mathbb{I}$ 44'19	0°48'27
minimum elong	1471 Jun 09 j 18:00	26° $\mathbb{I}$ 32'57	1°08'44	minimum elong	1472 May 24 j 06:07	11° $\mathbb{I}$ 33'41	0°48'05
max. Earth dist.	1471 Jun 11 j 00:01	29° $\mathbb{I}$ 16'41	1.32690 AU	max. Earth dist.	1472 May 24 j 11:37	12° $\mathbb{I}$ 03'55	1.32278 AU
	1471 Jun 11 j 07:59	0° $\mathbb{Z}$		evening rise	1472 May 31 j 06:10	26° $\mathbb{I}$ 42'59	
evening rise	1471 Jun 16 j 23:27	11° $\mathbb{Z}$ 59'12			1472 Jun 01 j 20:08	0° $\mathbb{Z}$	
	1471 Jun 26 j 08:55	0° $\mathbb{Q}$			1472 Jun 18 j 22:34	0° $\mathbb{Q}$	
desc. node	1471 Jul 11 j 08:18	22° $\mathbb{Q}$ 50'13		desc. node	1472 Jun 27 j 05:19	10° $\mathbb{Q}$ 32'48	
	1471 Jul 17 j 13:28	0° $\mathbb{M}$		evening max el	1472 Jun 30 j 06:56	13° $\mathbb{Q}$ 41'30	26°43'14
evening max el	1471 Jul 19 j 03:55	1° $\mathbb{M}$ 34'50	27°19'51	retrograde	1472 Jul 14 j 06:09	20° $\mathbb{Q}$ 55'30	

evening set	1472 Jul 21 j 01:27	18°Ω56'14		evening set	1473 Jul 02 j 00:39	0°Ω49'59	
min. Earth dist.	1472 Jul 24 j 20:39	16°Ω18'51	0.60307 AU		1473 Jul 03 j 16:25	30°R☿	
inferior conj	1472 Jul 28 j 03:30	13°Ω37'35	-4°39'02	min. Earth dist.	1473 Jul 06 j 15:19	28°☿09'16	0.58258 AU
minimum elong	1472 Jul 28 j 07:22	13°Ω29'37	4°38'32	inferior conj	1473 Jul 09 j 20:25	25°☿52'27	-4°54'57
morning rise	1472 Aug 04 j 15:15	8°Ω55'47		minimum elong	1473 Jul 09 j 20:34	25°☿52'10	4°54'57
direct	1472 Aug 07 j 01:46	8°Ω33'21		morning rise	1473 Jul 17 j 18:55	21°☿33'01	
morning max el	1472 Aug 14 j 11:21	12°Ω10'24	18°09'39	direct	1473 Jul 20 j 07:26	21°☿13'01	
asc. node	1472 Aug 15 j 13:03	13°Ω16'20		morning max el	1473 Jul 28 j 16:42	25°☿11'06	18°46'31
	1472 Aug 26 j 09:37	0°♊			1473 Aug 01 j 20:29	0°Ω	
morning set	1472 Aug 30 j 08:24	7°♊20'48		asc. node	1473 Aug 02 j 10:07	0°Ω47'11	
				morning set	1473 Aug 14 j 03:10	21°Ω24'39	
					1473 Aug 18 j 12:33	0°♊	
superior conj	1472 Sep 08 j 23:21	25°♊10'24	1°26'26	superior conj	1473 Aug 22 j 17:41	8°♊06'22	1°41'09
minimum elong	1472 Sep 09 j 03:18	25°♊28'11	1°26'03	minimum elong	1473 Aug 22 j 19:46	8°♊16'16	1°41'03
	1472 Sep 11 j 16:27	0°♊		max. Earth dist.	1473 Aug 29 j 18:45	21°♊01'46	1.39322 AU
max. Earth dist.	1472 Sep 16 j 14:24	8°♊28'19	1.41335 AU	evening rise	1473 Sep 02 j 18:38	27°♊58'06	
evening rise	1472 Sep 21 j 18:26	17°♊00'57			1473 Sep 03 j 23:27	0°♊	
desc. node	1472 Sep 23 j 04:37	19°♊18'36		desc. node	1473 Sep 10 j 01:39	9°♊56'45	
	1472 Sep 30 j 00:51	0°♋			1473 Sep 23 j 13:24	0°♋	
	1472 Oct 21 j 16:56	0°♊		evening max el	1473 Oct 08 j 01:46	17°♋46'33	24°13'16
evening max el	1472 Oct 25 j 12:37	4°♊11'04	22°53'17	retrograde	1473 Oct 19 j 05:18	24°♋18'41	
retrograde	1472 Nov 04 j 13:59	10°♊09'21		evening set	1473 Oct 24 j 13:20	22°♋04'52	
evening set	1472 Nov 09 j 08:11	8°♊12'34		asc. node	1473 Oct 29 j 09:20	16°♋29'31	
asc. node	1472 Nov 11 j 12:16	6°♊01'25		inferior conj	1473 Oct 29 j 23:32	15°♋41'37	0°12'14
inferior conj	1472 Nov 14 j 16:51	1°♊50'44	1°04'45	minimum elong	1473 Oct 29 j 23:14	15°♋42'37	0°12'06
minimum elong	1472 Nov 14 j 15:24	1°♊55'45	1°04'09	transit middle	1473 Oct 29 j 23:14	15°♋42'37	0°12'06
min. Earth dist.	1472 Nov 14 j 10:48	2°♊11'39	0.67786 AU	transit begin	1473 Oct 29 j 21:25	15°♋48'47	
	1472 Nov 16 j 01:18	30°R♋		transit end	1473 Oct 30 j 01:04	15°♋36'28	
morning rise	1472 Nov 19 j 22:30	25°♋40'55		min. Earth dist.	1473 Oct 29 j 07:02	16°♋37'14	0.67584 AU
direct	1472 Nov 24 j 08:26	23°♋54'17		morning rise	1473 Nov 04 j 09:09	9°♋36'55	
morning max el	1472 Dec 03 j 07:23	29°♋09'41	21°42'49	direct	1473 Nov 08 j 05:41	8°♋12'03	
	1472 Dec 04 j 02:53	0°♊		morning max el	1473 Nov 16 j 03:47	12°♋45'53	20°26'29
desc. node	1472 Dec 20 j 03:50	21°♊04'05			1473 Nov 29 j 10:21	0°♊	
	1472 Dec 26 j 04:08	0°♋		desc. node	1473 Dec 07 j 00:53	11°♊18'17	
morning set	1473 Jan 04 j 09:28	14°♋19'02		morning set	1473 Dec 14 j 08:42	22°♊31'18	
max. Earth dist.	1473 Jan 10 j 19:33	24°♋45'08	1.41654 AU		1473 Dec 19 j 03:31	0°♋	
	1473 Jan 13 j 22:40	0°♌		max. Earth dist.	1473 Dec 24 j 02:29	7°♋53'46	1.43409 AU
superior conj	1473 Jan 18 j 10:36	7°♌44'31	-2°03'58	superior conj	1473 Dec 30 j 07:52	18°♋04'03	-1°58'45
minimum elong	1473 Jan 18 j 11:22	7°♌47'52	2°03'57	minimum elong	1473 Dec 30 j 03:36	17°♋46'22	1°58'34
evening rise	1473 Jan 29 j 05:39	27°♌12'44			1474 Jan 06 j 09:18	0°♌	
	1473 Jan 30 j 18:03	0°♋		evening rise	1474 Jan 11 j 18:05	9°♌19'38	
asc. node	1473 Feb 07 j 11:36	13°♋38'33			1474 Jan 24 j 00:55	0°♋	
evening max el	1473 Feb 14 j 15:38	23°♋17'52	18°11'18	asc. node	1474 Jan 25 j 08:39	1°♋53'44	
retrograde	1473 Feb 21 j 12:33	26°♋45'40		evening max el	1474 Jan 29 j 03:47	6°♋28'12	18°08'42
evening set	1473 Feb 24 j 02:51	26°♋16'42		retrograde	1474 Feb 04 j 15:39	9°♋52'19	
inferior conj	1473 Mar 02 j 23:10	21°♋27'43	3°25'39	evening set	1474 Feb 07 j 11:04	9°♋13'12	
minimum elong	1473 Mar 03 j 01:48	21°♋21'43	3°25'17	inferior conj	1474 Feb 13 j 18:27	4°♋03'30	3°44'07
min. Earth dist.	1473 Mar 06 j 07:07	18°♋27'27	0.60246 AU	minimum elong	1474 Feb 13 j 19:01	4°♋02'02	3°44'06
morning rise	1473 Mar 09 j 22:40	15°♋42'46		min. Earth dist.	1474 Feb 16 j 14:59	1°♋06'53	0.62340 AU
direct	1473 Mar 16 j 13:37	13°♋38'07			1474 Feb 17 j 18:48	30°R♌	
desc. node	1473 Mar 18 j 03:02	13°♋44'46		morning rise	1474 Feb 20 j 01:48	28°♌05'07	
morning max el	1473 Mar 30 j 20:20	21°♋28'21	27°32'30	direct	1474 Feb 27 j 00:35	25°♌31'15	
	1473 Apr 07 j 06:53	0°♍		desc. node	1474 Mar 05 j 00:04	27°♌10'09	
	1473 Apr 25 j 23:52	0°♋			1474 Mar 09 j 05:52	0°♋	
morning set	1473 May 01 j 14:55	11°♋12'00		morning max el	1474 Mar 13 j 01:13	3°♋25'39	27°49'03
asc. node	1473 May 06 j 10:54	21°♋29'15			1474 Apr 01 j 18:56	0°♍	
max. Earth dist.	1473 May 07 j 23:42	24°♋50'05	1.32250 AU	morning set	1474 Apr 15 j 17:16	25°♍34'30	
superior conj	1473 May 08 j 19:33	26°♋38'57	0°24'46		1474 Apr 17 j 20:55	0°♋	
minimum elong	1473 May 08 j 18:28	26°♋32'56	0°24'32	max. Earth dist.	1474 Apr 21 j 08:35	7°♋23'07	1.32619 AU
	1473 May 10 j 08:10	0°♎		superior conj	1474 Apr 23 j 05:12	11°♋24'09	-0°01'14
evening rise	1473 May 15 j 16:23	11°♎34'35		minimum elong	1474 Apr 23 j 05:15	11°♋24'27	0°01'13
	1473 May 25 j 01:48	0°☿		behind sun begin	1474 Apr 23 j 00:06	10°♋56'29	
evening max el	1473 Jun 12 j 03:03	25°☿01'48	25°35'51	behind sun end	1474 Apr 23 j 10:24	11°♋52'26	
desc. node	1473 Jun 14 j 02:21	26°☿48'16		asc. node	1474 Apr 23 j 07:58	11°♋39'13	
	1473 Jun 18 j 14:45	0°Ω					
retrograde	1473 Jun 26 j 03:46	2°Ω11'12					



evening rise	1474 Apr 30 j 04:10	26°  27'25		asc. node	1475 Apr 10 j 05:01	1°  45'57	
	1474 May 01 j 20:43	0°  II		evening rise	1475 Apr 14 j 15:37	11°  14'25	
	1474 May 19 j 13:50	0°  ☿			1475 Apr 24 j 08:20	0°  II	
evening max el	1474 May 24 j 17:49	5°  ☿44'31	24°06'46	evening max el	1475 May 06 j 08:55	16°  II14'42	22°30'45
desc. node	1474 May 31 j 23:21	11°  ☿03'14		desc. node	1475 May 18 j 20:21	22°  II42'30	
retrograde	1474 Jun 07 j 13:25	12°  ☿41'35		retrograde	1475 May 19 j 10:41	22°  II43'19	
evening set	1474 Jun 12 j 00:56	11°  ☿57'07		evening set	1475 May 22 j 12:21	22°  II22'34	
min. Earth dist.	1474 Jun 18 j 04:42	8°  ☿56'56	0.56466 AU	min. Earth dist.	1475 May 30 j 16:22	18°  II50'05	0.55265 AU
inferior conj	1474 Jun 20 j 17:08	7°  ☿23'14	-4°35'02	inferior conj	1475 May 31 j 19:43	18°  II11'17	-3°28'23
minimum elong	1474 Jun 20 j 12:04	7°  ☿31'08	4°34'20	minimum elong	1475 May 31 j 11:57	18°  II22'19	3°26'17
morning rise	1474 Jun 29 j 01:54	3°  ☿22'50		morning rise	1475 Jun 09 j 13:40	14°  II19'09	
direct	1474 Jul 01 j 18:14	3°  ☿03'57		direct	1475 Jun 12 j 11:27	13°  II59'50	
morning max el	1474 Jul 11 j 12:26	7°  ☿35'38	19°44'44	morning max el	1475 Jun 23 j 20:55	19°  II17'36	21°03'34
asc. node	1474 Jul 20 j 07:11	19°  ☿06'33			1475 Jul 02 j 10:44	0°  ☿	
	1474 Jul 26 j 06:47	0°  ♊		asc. node	1475 Jul 07 j 04:14	8°  ☿02'54	
morning set	1474 Jul 29 j 05:36	5°  ♊51'44		morning set	1475 Jul 13 j 13:08	20°  ☿34'53	
					1475 Jul 18 j 01:36	0°  ♊	
superior conj	1474 Aug 06 j 03:14	21°  ♊48'16	1°46'05	superior conj	1475 Jul 20 j 23:34	6°  ♊03'18	1°43'08
minimum elong	1474 Aug 06 j 03:26	21°  ♊49'14	1°46'05	minimum elong	1475 Jul 20 j 22:19	5°  ♊56'52	1°43'04
	1474 Aug 10 j 08:17	0°  ♊		max. Earth dist.	1475 Jul 25 j 08:35	14°  ♊54'31	1.35534 AU
max. Earth dist.	1474 Aug 11 j 23:04	3°  ♊03'17	1.37317 AU	evening rise	1475 Jul 29 j 13:20	23°  ♊01'13	
evening rise	1474 Aug 15 j 18:18	10°  ♊01'32			1475 Aug 02 j 08:28	0°  ♊	
desc. node	1474 Aug 27 j 22:41	0°  ♊23'55		desc. node	1475 Aug 14 j 19:42	20°  ♊34'26	
	1474 Aug 27 j 16:33	0°  ♊			1475 Aug 21 j 08:59	0°  ♊	
	1474 Sep 19 j 03:52	0°  ♊		evening max el	1475 Sep 03 j 01:43	15°  ♊03'14	26°29'48
evening max el	1474 Sep 20 j 13:44	1°  ♊25'22	25°27'57	retrograde	1475 Sep 15 j 21:56	22°  ♊15'52	
retrograde	1474 Oct 02 j 16:07	8°  ♊22'37		evening set	1475 Sep 22 j 10:10	19°  ♊35'09	
evening set	1474 Oct 08 j 14:38	5°  ♊53'14		min. Earth dist.	1475 Sep 26 j 12:28	15°  ♊19'15	0.66182 AU
min. Earth dist.	1474 Oct 13 j 00:22	1°  ♊00'46	0.67056 AU	inferior conj	1475 Sep 28 j 03:27	13°  ♊21'29	-1°41'18
	1474 Oct 13 j 19:15	30°  ♊		minimum elong	1475 Sep 28 j 06:07	13°  ♊13'25	1°40'13
inferior conj	1474 Oct 14 j 03:42	29°  ♊32'42	-0°43'39	asc. node	1475 Oct 03 j 03:25	8°  ♊12'34	
minimum elong	1474 Oct 14 j 04:49	29°  ♊29'07	0°43'10	morning rise	1475 Oct 04 j 02:35	7°  ♊35'28	
asc. node	1474 Oct 16 j 06:24	26°  ♊54'42		direct	1475 Oct 07 j 02:09	6°  ♊45'18	
morning rise	1474 Oct 19 j 19:12	23°  ♊35'55		morning max el	1475 Oct 13 j 18:48	10°  ♊26'31	18°36'17
direct	1474 Oct 23 j 04:12	22°  ♊30'09			1475 Oct 27 j 16:42	0°  ♊	
morning max el	1474 Oct 30 j 08:01	26°  ♊32'26	19°23'36	morning set	1475 Nov 03 j 06:27	10°  ♊28'16	
	1474 Nov 02 j 09:38	0°  ♊		desc. node	1475 Nov 10 j 18:58	22°  ♊25'02	
greatest brilliancy	1474 Nov 13 j 03:41	15°  ♊12'56	-0.7m		1475 Nov 15 j 14:25	0°  ♊	
	1474 Nov 22 j 18:26	0°  ♊		superior conj	1475 Nov 19 j 05:10	5°  ♊40'49	-0°54'09
morning set	1474 Nov 23 j 08:18	0°  ♊53'46		minimum elong	1475 Nov 18 j 22:21	5°  ♊14'05	0°53'17
desc. node	1474 Nov 23 j 21:55	1°  ♊46'34		max. Earth dist.	1475 Nov 19 j 10:53	6°  ♊03'16	1.45110 AU
max. Earth dist.	1474 Dec 06 j 16:42	21°  ♊46'25	1.44607 AU		1475 Dec 04 j 14:59	0°  ☿	
superior conj	1474 Dec 10 j 02:52	27°  ♊12'39	-1°35'04	evening rise	1475 Dec 05 j 02:31	0°  ☿45'54	
minimum elong	1474 Dec 09 j 18:24	26°  ♊38'52	1°34'18	greatest brilliancy	1475 Dec 13 j 14:28	14°  ☿16'52	-0.8m
	1474 Dec 11 j 20:44	0°  ☿			1475 Dec 24 j 06:53	0°  ☿	
evening rise	1474 Dec 24 j 09:58	20°  ☿31'31		evening max el	1475 Dec 27 j 02:25	3°  ☿14'38	18°58'55
	1474 Dec 30 j 02:26	0°  ☿		asc. node	1475 Dec 30 j 02:43	5°  ☿48'46	
asc. node	1475 Jan 12 j 05:42	19°  ☿21'26		retrograde	1476 Jan 02 j 23:06	7°  ☿08'01	
evening max el	1475 Jan 12 j 16:11	19°  ☿48'41	18°24'54	evening set	1476 Jan 06 j 05:40	6°  ☿06'01	
retrograde	1475 Jan 19 j 04:28	23°  ☿22'02		inferior conj	1476 Jan 11 j 21:07	0°  ☿20'11	3°24'07
evening set	1475 Jan 22 j 05:01	22°  ☿31'57		minimum elong	1476 Jan 11 j 18:54	0°  ☿27'10	3°23'45
inferior conj	1475 Jan 28 j 02:58	17°  ☿03'02	3°41'44		1476 Jan 12 j 03:33	30°  ☿	
minimum elong	1475 Jan 28 j 01:49	17°  ☿06'22	3°41'39	min. Earth dist.	1476 Jan 13 j 11:09	28°  ☿21'07	0.65661 AU
min. Earth dist.	1475 Jan 30 j 08:20	14°  ☿29'26	0.64182 AU	morning rise	1476 Jan 17 j 07:49	24°  ☿09'18	
morning rise	1475 Feb 02 j 22:02	10°  ☿56'43		direct	1476 Jan 23 j 20:30	21°  ☿18'29	
direct	1475 Feb 09 j 19:11	8°  ☿07'19		morning max el	1476 Feb 05 j 19:53	28°  ☿56'43	26°38'25
desc. node	1475 Feb 19 j 21:06	12°  ☿44'33		desc. node	1476 Feb 06 j 18:08	29°  ☿53'46	
morning max el	1475 Feb 23 j 09:59	15°  ☿58'50	27°29'17		1476 Feb 06 j 20:31	0°  ☿	
	1475 Mar 06 j 23:31	0°  ☿			1476 Feb 28 j 19:17	0°  ☿	
	1475 Mar 25 j 12:21	0°  ☿		morning set	1476 Mar 12 j 19:18	22°  ☿47'58	
morning set	1475 Mar 30 j 11:52	9°  ☿29'57			1476 Mar 16 j 12:31	0°  ☿	
max. Earth dist.	1475 Apr 04 j 10:15	19°  ☿29'52	1.33401 AU	max. Earth dist.	1476 Mar 17 j 01:09	1°  ☿02'33	1.34628 AU
superior conj	1475 Apr 07 j 11:03	25°  ☿53'10	-0°28'36	superior conj	1476 Mar 21 j 10:57	9°  ☿59'28	-0°56'13
minimum elong	1475 Apr 07 j 12:28	26°  ☿00'42	0°28'18	minimum elong	1476 Mar 21 j 13:45	10°  ☿13'56	0°55'42
	1475 Apr 09 j 09:15	0°  ☿					

asc. node	1476 Mar 27 j 02:02	21° $\Upsilon$ 45'24		max. Earth dist.	1477 Feb 27 j 04:11	12° $\text{X}$ 07'26	1.36302 AU
evening rise	1476 Mar 29 j 00:49	25° $\Upsilon$ 49'13					
	1476 Mar 31 j 01:43	0° $\text{B}$		superior conj	1477 Mar 05 j 02:10	23° $\text{X}$ 35'38	-1°22'25
evening max el	1476 Apr 17 j 07:46	27° $\text{B}$ 03'42	21°01'57	minimum elong	1477 Mar 05 j 06:03	23° $\text{X}$ 54'57	1°21'51
	1476 Apr 20 j 21:13	0° $\Pi$			1477 Mar 08 j 06:38	0° $\Upsilon$	
retrograde	1476 Apr 29 j 00:20	2° $\Pi$ 45'10		evening rise	1477 Mar 13 j 05:41	10° $\Upsilon$ 05'32	
evening set	1476 May 01 j 05:24	2° $\Pi$ 33'41		asc. node	1477 Mar 13 j 23:03	11° $\Upsilon$ 33'14	
desc. node	1476 May 04 j 17:22	1° $\Pi$ 33'00			1477 Mar 24 j 00:59	0° $\text{B}$	
	1476 May 08 j 00:23	30° $\text{R}$ $\text{B}$		evening max el	1477 Mar 30 j 18:14	8° $\text{B}$ 30'14	19°49'00
inferior conj	1476 May 10 j 13:38	28° $\text{B}$ 35'14	-1°41'01	retrograde	1477 Apr 09 j 17:11	13° $\text{B}$ 18'10	
minimum elong	1476 May 10 j 08:54	28° $\text{B}$ 41'57	1°39'21	evening set	1477 Apr 11 j 18:14	13° $\text{B}$ 06'57	
min. Earth dist.	1476 May 11 j 04:52	28° $\text{B}$ 13'41	0.54936 AU	inferior conj	1477 Apr 20 j 13:23	9° $\text{B}$ 05'40	0°18'00
morning rise	1476 May 19 j 12:20	24° $\text{B}$ 32'15		minimum elong	1477 Apr 20 j 14:11	9° $\text{B}$ 04'27	0°17'43
direct	1476 May 22 j 20:59	24° $\text{B}$ 07'52		desc. node	1477 Apr 21 j 14:23	8° $\text{B}$ 27'00	
	1476 Jun 04 j 11:09	0° $\Pi$		min. Earth dist.	1477 Apr 22 j 18:57	7° $\text{B}$ 43'14	0.55574 AU
morning max el	1476 Jun 04 j 19:00	0° $\Pi$ 18'08	22°38'36	morning rise	1477 Apr 29 j 07:46	4° $\text{B}$ 34'25	
asc. node	1476 Jun 23 j 01:16	27° $\Pi$ 26'37		direct	1477 May 03 j 13:00	3° $\text{B}$ 54'58	
	1476 Jun 24 j 08:01	0° $\text{E}$		morning max el	1477 May 17 j 10:33	10° $\text{B}$ 50'54	24°20'19
morning set	1476 Jun 26 j 23:39	5° $\text{E}$ 27'28			1477 May 31 j 20:09	0° $\Pi$	
				asc. node	1477 Jun 09 j 22:20	17° $\Pi$ 10'32	
superior conj	1476 Jul 04 j 03:12	20° $\text{E}$ 40'21	1°33'50	morning set	1477 Jun 11 j 11:28	20° $\Pi$ 24'24	
minimum elong	1476 Jul 04 j 01:05	20° $\text{E}$ 29'06	1°33'37		1477 Jun 15 j 22:36	0° $\text{E}$	
max. Earth dist.	1476 Jul 07 j 02:47	26° $\text{E}$ 56'28	1.34113 AU				
	1476 Jul 08 j 14:24	0° $\Omega$		superior conj	1477 Jun 18 j 11:35	5° $\text{E}$ 31'20	1°19'24
evening rise	1476 Jul 11 j 23:00	6° $\Omega$ 43'57		minimum elong	1477 Jun 18 j 09:09	5° $\text{E}$ 18'10	1°19'03
	1476 Jul 24 j 22:53	0° $\text{M}$		max. Earth dist.	1477 Jun 20 j 06:00	9° $\text{E}$ 20'19	1.33097 AU
desc. node	1476 Jul 31 j 16:43	10° $\text{M}$ 20'04		evening rise	1477 Jun 25 j 19:21	20° $\text{E}$ 58'32	
evening max el	1476 Aug 15 j 13:39	28° $\text{M}$ 31'01	27°11'23		1477 Jun 30 j 09:40	0° $\Omega$	
	1476 Aug 17 j 04:23	0° $\text{E}$		desc. node	1477 Jul 18 j 13:44	29° $\Omega$ 30'23	
retrograde	1476 Aug 28 j 22:25	5° $\text{E}$ 49'51			1477 Jul 18 j 22:33	0° $\text{M}$	
evening set	1476 Sep 04 j 21:29	3° $\text{E}$ 05'26		evening max el	1477 Jul 29 j 00:14	11° $\text{M}$ 37'42	27°25'50
	1476 Sep 08 j 04:22	30° $\text{R}$ $\text{M}$		retrograde	1477 Aug 11 j 16:46	18° $\text{M}$ 55'47	
min. Earth dist.	1476 Sep 08 j 17:05	29° $\text{M}$ 25'49	0.64948 AU	evening set	1477 Aug 18 j 21:29	16° $\text{M}$ 18'45	
inferior conj	1476 Sep 10 j 20:35	27° $\text{M}$ 02'44	-2°38'45	min. Earth dist.	1477 Aug 22 j 12:24	13° $\text{M}$ 11'29	0.63368 AU
minimum elong	1476 Sep 11 j 00:43	26° $\text{M}$ 51'14	2°37'16	inferior conj	1477 Aug 25 j 04:32	10° $\text{M}$ 30'55	-3°32'57
morning rise	1476 Sep 17 j 04:50	21° $\text{M}$ 30'32		minimum elong	1477 Aug 25 j 09:38	10° $\text{M}$ 18'07	3°31'28
asc. node	1476 Sep 19 j 00:27	20° $\text{M}$ 56'13		morning rise	1477 Aug 31 j 23:01	5° $\text{M}$ 15'39	
direct	1476 Sep 19 j 21:22	20° $\text{M}$ 52'09		direct	1477 Sep 03 j 11:08	4° $\text{M}$ 45'34	
morning max el	1476 Sep 26 j 09:38	24° $\text{M}$ 21'36	18°05'35	asc. node	1477 Sep 05 j 21:30	5° $\text{M}$ 14'29	
	1476 Oct 01 j 00:05	0° $\text{E}$		morning max el	1477 Sep 10 j 01:42	8° $\text{M}$ 11'18	17°52'21
morning set	1476 Oct 14 j 09:39	21° $\text{E}$ 28'41			1477 Sep 24 j 11:16	0° $\text{E}$	
	1476 Oct 19 j 13:11	0° $\text{M}$		morning set	1477 Sep 26 j 14:03	3° $\text{E}$ 41'47	
desc. node	1476 Oct 27 j 16:00	13° $\text{M}$ 09'27					
				superior conj	1477 Oct 08 j 15:18	24° $\text{E}$ 18'11	0°39'13
superior conj	1476 Oct 28 j 11:20	14° $\text{M}$ 26'35	-0°05'25	minimum elong	1477 Oct 08 j 19:07	24° $\text{E}$ 33'57	0°38'42
minimum elong	1476 Oct 28 j 10:39	14° $\text{M}$ 23'55	0°05'19		1477 Oct 12 j 02:32	0° $\text{M}$	
behind sun begin	1476 Oct 28 j 00:27	13° $\text{M}$ 43'11		desc. node	1477 Oct 14 j 13:02	3° $\text{M}$ 56'29	
behind sun end	1476 Oct 28 j 20:52	15° $\text{M}$ 04'36		max. Earth dist.	1477 Oct 14 j 22:12	4° $\text{M}$ 33'18	1.43929 AU
max. Earth dist.	1476 Nov 01 j 05:35	20° $\text{M}$ 24'25	1.44870 AU	evening rise	1477 Oct 24 j 05:39	19° $\text{M}$ 11'18	
	1476 Nov 07 j 08:27	0° $\text{X}$			1477 Oct 31 j 07:50	0° $\text{X}$	
evening rise	1476 Nov 13 j 21:33	10° $\text{X}$ 09'50			1477 Nov 22 j 04:20	0° $\text{B}$	
	1476 Nov 26 j 20:37	0° $\text{B}$		evening max el	1477 Nov 22 j 09:25	0° $\text{B}$ 13'06	20°53'26
greatest brilliancy	1476 Nov 27 j 06:55	0° $\text{B}$ 38'28	-0.7m	retrograde	1477 Nov 30 j 18:10	5° $\text{B}$ 10'15	
evening max el	1476 Dec 09 j 08:34	16° $\text{B}$ 43'14	19°49'15	asc. node	1477 Dec 02 j 20:45	4° $\text{B}$ 45'21	
asc. node	1476 Dec 15 j 23:43	21° $\text{B}$ 01'09		evening set	1477 Dec 04 j 17:45	3° $\text{B}$ 39'51	
retrograde	1476 Dec 16 j 20:28	21° $\text{B}$ 05'19			1477 Dec 08 j 05:37	30° $\text{R}$ $\text{X}$	
evening set	1476 Dec 20 j 10:35	19° $\text{B}$ 49'59		inferior conj	1477 Dec 10 j 02:49	27° $\text{X}$ 28'47	2°17'29
inferior conj	1476 Dec 25 j 21:54	13° $\text{B}$ 50'01	2°55'10	minimum elong	1477 Dec 10 j 00:17	27° $\text{X}$ 37'28	2°16'39
minimum elong	1476 Dec 25 j 19:14	13° $\text{B}$ 58'50	2°54'29	min. Earth dist.	1477 Dec 10 j 14:13	26° $\text{X}$ 49'42	0.67433 AU
min. Earth dist.	1476 Dec 26 j 21:51	12° $\text{B}$ 30'31	0.66740 AU	morning rise	1477 Dec 15 j 06:36	21° $\text{X}$ 15'35	
morning rise	1476 Dec 31 j 03:39	7° $\text{B}$ 36'59		direct	1477 Dec 20 j 16:04	18° $\text{X}$ 53'27	
direct	1477 Jan 06 j 03:46	4° $\text{B}$ 56'30		morning max el	1477 Dec 31 j 13:09	25° $\text{X}$ 22'44	23°59'21
morning max el	1477 Jan 18 j 04:52	12° $\text{B}$ 07'08	25°25'04		1478 Jan 04 j 17:57	0° $\text{B}$	
desc. node	1477 Jan 23 j 15:11	18° $\text{B}$ 10'38		desc. node	1478 Jan 10 j 12:14	7° $\text{B}$ 15'21	
	1477 Feb 01 j 14:06	0° $\approx$			1478 Jan 26 j 02:49	0° $\approx$	
	1477 Feb 20 j 12:13	0° $\text{X}$		morning set	1478 Feb 05 j 04:44	16° $\approx$ 34'24	
morning set	1477 Feb 23 j 10:56	5° $\text{X}$ 15'12		max. Earth dist.	1478 Feb 08 j 23:41	23° $\approx$ 12'39	1.38335 AU

































































































































	1478 Feb 12 j 17:31	0°♄		superior conj	1479 Jan 29 j 15:20	18°≈36'21	-2°00'06
				minimum elong	1479 Jan 29 j 18:01	18°≈48'27	1°59'59
superior conj	1478 Feb 16 j 05:09	6°♄31'34	-1°44'50		1479 Feb 04 j 19:49	0°♄	
minimum elong	1478 Feb 16 j 09:16	6°♄51'09	1°44'25	evening rise	1479 Feb 08 j 15:45	7°♄12'50	
evening rise	1478 Feb 25 j 03:41	23°♄55'42		asc. node	1479 Feb 15 j 17:08	20°♄11'29	
	1478 Feb 28 j 06:42	0°♄			1479 Feb 22 j 01:35	0°♄	
asc. node	1478 Feb 28 j 20:05	1°♄03'49		evening max el	1479 Feb 24 j 21:06	3°♄11'32	18°21'30
evening max el	1478 Mar 13 j 15:34	20°♄34'48	18°55'13	retrograde	1479 Mar 04 j 03:54	6°♄48'05	
retrograde	1478 Mar 22 j 00:53	24°♄38'52		evening set	1479 Mar 06 j 15:08	6°♄24'17	
evening set	1478 Mar 24 j 06:22	24°♄22'49		inferior conj	1479 Mar 13 j 20:33	1°♄46'59	3°02'48
inferior conj	1478 Apr 01 j 06:18	20°♄06'02	1°57'15	minimum elong	1479 Mar 14 j 00:10	1°♄39'23	3°02'03
minimum elong	1478 Apr 01 j 10:11	19°♄59'06	1°56'05		1479 Mar 15 j 23:34	30°♄	
min. Earth dist.	1478 Apr 04 j 10:58	17°♄50'22	0.57041 AU	min. Earth dist.	1479 Mar 17 j 07:01	28°♄56'12	0.59021 AU
desc. node	1478 Apr 08 j 11:25	15°♄27'26		morning rise	1479 Mar 21 j 06:39	26°♄13'46	
morning rise	1478 Apr 09 j 10:56	15°♄01'05		desc. node	1479 Mar 26 j 08:27	24°♄33'59	
direct	1478 Apr 14 j 18:05	13°♄53'54		direct	1479 Mar 27 j 12:18	24°♄30'25	
morning max el	1478 Apr 29 j 01:20	21°♄19'55	25°54'41		1479 Apr 08 j 10:24	0°♄	
	1478 May 06 j 14:19	0°♄		morning max el	1479 Apr 10 j 20:48	2°♄13'50	27°06'17
	1478 May 24 j 09:14	0°♄			1479 Apr 30 j 21:34	0°♄	
morning set	1478 May 26 j 22:56	5°♄19'21		morning set	1479 May 11 j 08:23	20°♄06'56	
asc. node	1478 May 27 j 19:23	7°♄07'42		asc. node	1479 May 14 j 16:27	27°♄13'16	
					1479 May 15 j 23:07	0°♄	
superior conj	1478 Jun 02 j 22:34	20°♄28'13	1°00'47	superior conj	1479 May 18 j 10:21	5°♄25'01	0°38'43
minimum elong	1478 Jun 02 j 20:19	20°♄15'55	1°00'23	minimum elong	1479 May 18 j 08:44	5°♄16'05	0°38'24
max. Earth dist.	1478 Jun 03 j 15:36	22°♄01'37	1.32472 AU	max. Earth dist.	1479 May 18 j 04:02	4°♄50'17	1.32224 AU
	1478 Jun 07 j 07:46	0°♄		evening rise	1479 May 25 j 07:30	20°♄21'21	
evening rise	1478 Jun 09 j 23:02	5°♄33'46			1479 May 30 j 01:07	0°♄	
	1478 Jun 23 j 00:31	0°♄			1479 Jun 17 j 20:01	0°♄	
desc. node	1478 Jul 05 j 10:44	17°♄50'25		desc. node	1479 Jun 22 j 07:45	4°♄59'09	
evening max el	1478 Jul 11 j 06:58	24°♄09'44	27°08'23	evening max el	1479 Jun 23 j 07:10	5°♄56'20	26°17'54
	1478 Jul 19 j 08:45	0°♄		retrograde	1479 Jul 07 j 06:58	13°♄08'06	
retrograde	1478 Jul 25 j 04:02	1°♄24'28		evening set	1479 Jul 13 j 18:37	11°♄24'12	
	1478 Jul 30 j 17:30	30°♄		min. Earth dist.	1479 Jul 17 j 20:01	8°♄47'56	0.59428 AU
evening set	1478 Aug 01 j 06:06	29°♄07'55		inferior conj	1479 Jul 21 j 03:42	6°♄14'42	-4°49'16
min. Earth dist.	1478 Aug 04 j 21:14	26°♄23'49	0.61484 AU	minimum elong	1479 Jul 21 j 06:18	6°♄09'40	4°49'04
inferior conj	1478 Aug 08 j 00:07	23°♄38'13	-4°19'04	morning rise	1479 Jul 28 j 20:05	1°♄42'32	
minimum elong	1478 Aug 08 j 05:00	23°♄27'21	4°18'07	direct	1479 Jul 31 j 07:23	1°♄21'10	
morning rise	1478 Aug 15 j 05:29	18°♄43'13		morning max el	1479 Aug 08 j 01:36	5°♄05'21	18°22'50
direct	1478 Aug 17 j 15:58	18°♄18'30		asc. node	1479 Aug 10 j 15:40	7°♄55'46	
asc. node	1478 Aug 23 j 18:35	20°♄59'16			1479 Aug 23 j 18:45	0°♄	
morning max el	1478 Aug 24 j 16:04	21°♄48'39	17°57'42	morning set	1479 Aug 24 j 02:20	0°♄36'12	
	1478 Aug 30 j 22:51	0°♄					
morning set	1478 Sep 09 j 13:26	16°♄49'29		superior conj	1479 Sep 02 j 05:47	17°♄53'21	1°34'00
	1478 Sep 16 j 19:41	0°♄		minimum elong	1479 Sep 02 j 09:00	18°♄08'09	1°33'45
superior conj	1478 Sep 19 j 22:35	5°♄30'19	1°12'45		1479 Sep 09 j 00:29	0°♄	
minimum elong	1478 Sep 20 j 03:11	5°♄50'23	1°12'14	max. Earth dist.	1479 Sep 09 j 17:53	1°♄15'06	1.40493 AU
max. Earth dist.	1478 Sep 27 j 10:43	18°♄14'44	1.42406 AU	evening rise	1479 Sep 14 j 06:07	8°♄51'31	
desc. node	1478 Oct 01 j 10:04	24°♄43'01		desc. node	1479 Sep 18 j 07:05	15°♄25'20	
evening rise	1478 Oct 03 j 19:57	28°♄33'45			1479 Sep 27 j 18:53	0°♄	
	1478 Oct 04 j 17:50	0°♄		evening max el	1479 Oct 18 j 19:25	27°♄17'20	23°27'26
	1478 Oct 25 j 00:43	0°♄			1479 Oct 21 j 18:21	0°♄	
evening max el	1478 Nov 05 j 04:43	13°♄44'21	22°07'48	retrograde	1479 Oct 29 j 07:55	3°♄30'39	
retrograde	1478 Nov 14 j 14:27	19°♄19'58		evening set	1479 Nov 03 j 08:00	1°♄26'17	
evening set	1478 Nov 19 j 01:27	17°♄32'58			1479 Nov 04 j 19:50	30°♄	
asc. node	1478 Nov 19 j 17:48	16°♄57'22		asc. node	1479 Nov 06 j 14:52	27°♄52'08	
inferior conj	1478 Nov 24 j 09:51	11°♄14'07	1°32'57	inferior conj	1479 Nov 08 j 17:09	25°♄03'20	0°42'57
minimum elong	1478 Nov 24 j 07:53	11°♄20'54	1°32'11	minimum elong	1479 Nov 08 j 16:09	25°♄06'45	0°42'31
min. Earth dist.	1478 Nov 24 j 09:54	11°♄13'55	0.67759 AU	min. Earth dist.	1479 Nov 08 j 06:34	25°♄39'36	0.67744 AU
morning rise	1478 Nov 29 j 14:11	5°♄02'40		morning rise	1479 Nov 14 j 00:16	18°♄55'40	
direct	1478 Dec 04 j 08:33	3°♄02'53		direct	1479 Nov 18 j 04:17	17°♄18'42	
morning max el	1478 Dec 13 j 23:41	8°♄44'24	22°31'18	morning max el	1479 Nov 26 j 15:57	22°♄15'04	21°08'56
desc. node	1478 Dec 28 j 09:17	26°♄54'24			1479 Dec 03 j 05:59	0°♄	
	1478 Dec 30 j 13:10	0°♄		desc. node	1479 Dec 15 j 06:19	16°♄57'35	
morning set	1479 Jan 16 j 18:54	26°♄32'04			1479 Dec 23 j 20:57	0°♄	
	1479 Jan 18 j 21:24	0°♄		morning set	1479 Dec 27 j 05:00	5°♄11'36	
max. Earth dist.	1479 Jan 21 j 20:09	4°♄56'59	1.40487 AU	max. Earth dist.	1480 Jan 03 j 22:50	17°♄35'36	1.42460 AU

superior conj	1480 Jan 11 j 03:18	29° $\text{Z}$ 36'20	-2°03'48			1480 Dec 15 j 16:47	0° $\text{Z}$	
minimum elong	1480 Jan 11 j 02:07	29° $\text{Z}$ 31'19	2°03'47	max. Earth dist.		1480 Dec 16 j 08:40	1° $\text{Z}$ 03'16	1.43997 AU
	1480 Jan 11 j 08:50	0° $\approx$						
evening rise	1480 Jan 22 j 14:01	19° $\approx$ 47'41		superior conj		1480 Dec 21 j 13:01	9° $\text{Z}$ 24'04	-1°51'04
	1480 Jan 28 j 07:00	0° $\text{H}$		minimum elong		1480 Dec 21 j 06:32	8° $\text{Z}$ 57'43	1°50'38
asc. node	1480 Feb 02 j 14:10	8° $\text{H}$ 48'18				1481 Jan 02 j 20:43	0° $\approx$	
evening max el	1480 Feb 08 j 07:37	16° $\text{H}$ 11'27	18°07'46	evening rise		1481 Jan 03 j 18:11	1° $\approx$ 31'52	
retrograde	1480 Feb 14 j 23:34	19° $\text{H}$ 36'20		asc. node		1481 Jan 19 j 11:12	26° $\approx$ 44'47	
evening set	1480 Feb 17 j 16:00	19° $\text{H}$ 03'14		evening max el		1481 Jan 21 j 20:07	29° $\approx$ 26'35	18°13'21
inferior conj	1480 Feb 24 j 06:20	14° $\text{H}$ 05'05	3°36'28			1481 Jan 22 j 09:55	0° $\text{H}$	
minimum elong	1480 Feb 24 j 08:05	14° $\text{H}$ 00'51	3°36'17	retrograde		1481 Jan 28 j 07:18	2° $\text{H}$ 53'26	
min. Earth dist.	1480 Feb 27 j 10:04	11° $\text{H}$ 03'35	0.61153 AU	evening set		1481 Jan 31 j 04:43	2° $\text{H}$ 09'56	
morning rise	1480 Mar 01 j 22:29	8° $\text{H}$ 13'13				1481 Feb 03 j 05:46	30° $\text{R}$ $\approx$	
direct	1480 Mar 08 j 17:48	5° $\text{H}$ 54'59		inferior conj		1481 Feb 06 j 07:43	26° $\approx$ 52'00	3°45'15
desc. node	1480 Mar 12 j 05:29	6° $\text{H}$ 28'32		minimum elong		1481 Feb 06 j 07:29	26° $\approx$ 52'39	3°45'16
morning max el	1480 Mar 22 j 22:44	13° $\text{H}$ 48'06	27°44'15	min. Earth dist.		1481 Feb 08 j 22:05	24° $\approx$ 02'54	0.63161 AU
	1480 Apr 04 j 22:37	0° $\text{Y}$		morning rise		1481 Feb 12 j 09:19	20° $\approx$ 49'28	
	1480 Apr 22 j 06:25	0° $\text{Z}$		direct		1481 Feb 19 j 08:22	18° $\approx$ 06'53	
morning set	1480 Apr 24 j 13:59	4° $\text{Z}$ 41'04		desc. node		1481 Feb 27 j 02:31	20° $\approx$ 53'00	
max. Earth dist.	1480 Apr 30 j 15:22	17° $\text{Z}$ 33'06	1.32355 AU	morning max el		1481 Mar 05 j 05:39	26° $\approx$ 02'08	27°44'51
asc. node	1480 Apr 30 j 13:30	17° $\text{Z}$ 22'58				1481 Mar 08 j 22:07	0° $\text{H}$	
						1481 Mar 29 j 11:12	0° $\text{Y}$	
superior conj	1480 May 01 j 21:16	20° $\text{Z}$ 16'19	0°13'58	morning set		1481 Apr 08 j 13:22	18° $\text{Y}$ 53'24	
minimum elong	1480 May 01 j 20:38	20° $\text{Z}$ 12'49	0°13'50			1481 Apr 13 j 22:17	0° $\text{Z}$	
behind sun begin	1480 May 01 j 18:08	19° $\text{Z}$ 59'10		max. Earth dist.		1481 Apr 13 j 21:28	29° $\text{Y}$ 55'39	1.32890 AU
behind sun end	1480 May 01 j 23:08	20° $\text{Z}$ 26'28						
	1480 May 06 j 08:05	0° $\text{II}$		superior conj		1481 Apr 16 j 05:31	4° $\text{Z}$ 55'30	-0°12'44
evening rise	1480 May 08 j 18:37	5° $\text{II}$ 14'13		minimum elong		1481 Apr 16 j 06:08	4° $\text{Z}$ 58'49	0°12'36
	1480 May 21 j 21:49	0° $\text{Z}$		behind sun begin		1481 Apr 16 j 02:54	4° $\text{Z}$ 41'24	
evening max el	1480 Jun 04 j 00:19	16° $\text{Z}$ 57'55	24°59'45	behind sun end		1481 Apr 16 j 09:22	5° $\text{Z}$ 16'15	
desc. node	1480 Jun 08 j 04:46	20° $\text{Z}$ 28'06		asc. node		1481 Apr 17 j 10:31	7° $\text{Z}$ 32'05	
retrograde	1480 Jun 17 j 23:58	24° $\text{Z}$ 04'16		evening rise		1481 Apr 23 j 06:27	20° $\text{Z}$ 05'11	
evening set	1480 Jun 23 j 07:45	22° $\text{Z}$ 59'19				1481 Apr 28 j 02:50	0° $\text{II}$	
min. Earth dist.	1480 Jun 28 j 11:49	20° $\text{Z}$ 12'12	0.57438 AU	evening max el		1481 May 16 j 14:14	27° $\text{II}$ 31'29	23°25'57
inferior conj	1480 Jul 01 j 12:08	18° $\text{Z}$ 11'26	-4°51'46			1481 May 19 j 10:03	0° $\text{Z}$	
minimum elong	1480 Jul 01 j 10:05	18° $\text{Z}$ 14'52	4°51'39	desc. node		1481 May 26 j 01:47	3° $\text{Z}$ 40'53	
morning rise	1480 Jul 09 j 15:07	14° $\text{Z}$ 01'22		retrograde		1481 May 30 j 04:41	4° $\text{Z}$ 19'30	
direct	1480 Jul 12 j 05:03	13° $\text{Z}$ 42'03		evening set		1481 Jun 03 j 00:38	3° $\text{Z}$ 47'16	
morning max el	1480 Jul 21 j 03:17	17° $\text{Z}$ 52'30	19°08'47	min. Earth dist.		1481 Jun 10 j 00:25	0° $\text{Z}$ 34'38	0.55855 AU
asc. node	1480 Jul 27 j 12:44	25° $\text{Z}$ 49'05				1481 Jun 10 j 23:52	30° $\text{R}$ $\text{II}$	
	1480 Jul 30 j 02:50	0° $\Omega$		inferior conj		1481 Jun 12 j 00:30	29° $\text{II}$ 23'15	-4°12'43
morning set	1480 Aug 07 j 00:44	14° $\Omega$ 51'15		minimum elong		1481 Jun 11 j 17:42	29° $\text{II}$ 33'24	4°11'23
	1480 Aug 14 j 16:32	0° $\text{H}$		morning rise		1481 Jun 20 j 13:24	25° $\text{II}$ 28'05	
				direct		1481 Jun 23 j 07:27	25° $\text{II}$ 09'28	
superior conj	1480 Aug 15 j 07:17	1° $\text{H}$ 11'28	1°44'20			1481 Jul 03 j 18:25	0° $\text{Z}$	
minimum elong	1480 Aug 15 j 08:32	1° $\text{H}$ 17'30	1°44'17	morning max el		1481 Jul 03 j 18:24	29° $\text{II}$ 59'59	20°15'55
max. Earth dist.	1480 Aug 21 j 21:22	13° $\text{H}$ 32'28	1.38446 AU	asc. node		1481 Jul 14 j 09:46	14° $\text{Z}$ 25'25	
evening rise	1480 Aug 25 j 16:40	20° $\text{H}$ 18'01		morning set		1481 Jul 22 j 05:35	29° $\text{Z}$ 25'40	
	1480 Aug 31 j 10:33	0° $\Omega$				1481 Jul 22 j 12:19	0° $\Omega$	
desc. node	1480 Sep 04 j 04:07	5° $\Omega$ 59'41						
	1480 Sep 20 j 20:56	0° $\text{M}$		superior conj		1481 Jul 29 j 21:53	15° $\Omega$ 08'49	1°45'42
evening max el	1480 Sep 30 j 07:37	10° $\text{M}$ 54'03	24°46'01	minimum elong		1481 Jul 29 j 21:24	15° $\Omega$ 06'23	1°45'41
retrograde	1480 Oct 11 j 21:33	17° $\text{M}$ 38'48		max. Earth dist.		1481 Aug 04 j 02:46	25° $\Omega$ 24'23	1.36517 AU
evening set	1480 Oct 17 j 11:44	15° $\text{M}$ 17'48				1481 Aug 06 j 13:01	0° $\text{H}$	
min. Earth dist.	1480 Oct 22 j 01:52	10° $\text{M}$ 04'55	0.67401 AU	evening rise		1481 Aug 08 j 01:10	2° $\text{H}$ 47'06	
inferior conj	1480 Oct 22 j 22:59	8° $\text{M}$ 54'55	-0°11'10	desc. node		1481 Aug 22 j 01:09	26° $\text{H}$ 20'31	
minimum elong	1480 Oct 22 j 23:15	8° $\text{M}$ 54'00	0°11'02			1481 Aug 24 j 11:03	0° $\Omega$	
transit middle	1480 Oct 22 j 23:15	8° $\text{M}$ 54'00	0°11'02	evening max el		1481 Sep 12 j 19:30	24° $\Omega$ 33'19	25°56'19
transit begin	1480 Oct 22 j 21:14	9° $\text{M}$ 00'42				1481 Sep 19 j 17:59	0° $\text{M}$	
transit end	1480 Oct 23 j 01:17	8° $\text{M}$ 47'18		retrograde		1481 Sep 25 j 06:29	1° $\text{M}$ 38'55	
asc. node	1480 Oct 23 j 11:55	8° $\text{M}$ 12'09				1481 Sep 30 j 05:41	30° $\text{R}$ $\Omega$	
morning rise	1480 Oct 28 j 10:53	2° $\text{M}$ 53'17		evening set		1481 Oct 01 j 10:52	29° $\Omega$ 04'12	
direct	1480 Nov 01 j 02:10	1° $\text{M}$ 37'09		min. Earth dist.		1481 Oct 05 j 17:23	24° $\Omega$ 26'54	0.66722 AU
morning max el	1480 Nov 08 j 15:49	5° $\text{M}$ 56'35	19°57'52	inferior conj		1481 Oct 07 j 01:31	22° $\Omega$ 45'49	-1°08'00
	1480 Nov 26 j 08:05	0° $\text{Z}$		minimum elong		1481 Oct 07 j 03:17	22° $\Omega$ 40'15	1°07'14
desc. node	1480 Dec 01 j 03:21	7° $\text{Z}$ 18'23		asc. node		1481 Oct 10 j 08:57	18° $\Omega$ 54'05	
morning set	1480 Dec 05 j 01:04	13° $\text{Z}$ 18'45		morning rise		1481 Oct 12 j 20:03	16° $\Omega$ 53'01	

direct	1481 Oct 16 j 00:42	15° $\Omega$ 54'23			1482 Oct 24 j 08:43	0° $\mathbb{M}$	
morning max el	1481 Oct 22 j 23:02	19° $\Omega$ 46'53	19°01'25	morning set	1482 Oct 25 j 18:59	2° $\mathbb{M}$ 19'05	
	1481 Oct 30 j 23:04	0° $\mathbb{M}$		desc. node	1482 Nov 04 j 21:27	18° $\mathbb{M}$ 33'11	
morning set	1481 Nov 14 j 08:24	22° $\mathbb{M}$ 07'12					
desc. node	1481 Nov 18 j 00:25	27° $\mathbb{M}$ 51'47		superior conj	1482 Nov 10 j 00:14	26° $\mathbb{M}$ 38'47	-0°33'39
	1481 Nov 19 j 09:10	0° $\mathbb{A}$		minimum elong	1482 Nov 09 j 19:51	26° $\mathbb{M}$ 21'33	0°33'04
max. Earth dist.	1481 Nov 29 j 00:31	15° $\mathbb{A}$ 07'19	1.44910 AU	max. Earth dist.	1482 Nov 11 j 19:35	29° $\mathbb{M}$ 29'23	1.45100 AU
					1482 Nov 12 j 03:23	0° $\mathbb{A}$	
superior conj	1481 Nov 30 j 23:06	18° $\mathbb{A}$ 10'55	-1°19'27	evening rise	1482 Nov 26 j 07:02	22° $\mathbb{A}$ 10'44	
minimum elong	1481 Nov 30 j 14:28	17° $\mathbb{A}$ 36'52	1°18'31		1482 Dec 01 j 06:44	0° $\mathbb{B}$	
	1481 Dec 08 j 09:28	0° $\mathbb{B}$		greatest brilliancy	1482 Dec 07 j 02:35	9° $\mathbb{B}$ 03'56	-0.8m
evening rise	1481 Dec 16 j 00:18	12° $\mathbb{B}$ 19'33		evening max el	1482 Dec 19 j 16:46	26° $\mathbb{B}$ 18'57	19°18'29
	1481 Dec 26 j 21:58	0° $\approx$		asc. node	1482 Dec 24 j 05:15	29° $\mathbb{B}$ 47'02	
evening max el	1482 Jan 05 j 07:58	12° $\approx$ 50'55	18°37'19		1482 Dec 24 j 17:50	0° $\approx$	
asc. node	1482 Jan 06 j 08:13	13° $\approx$ 49'16		retrograde	1482 Dec 26 j 18:56	0° $\approx$ 23'08	
retrograde	1482 Jan 11 j 22:53	16° $\approx$ 31'20			1482 Dec 28 j 18:45	30° $\mathbb{R}$ $\mathbb{B}$	
evening set	1482 Jan 15 j 01:51	15° $\approx$ 36'23		evening set	1482 Dec 30 j 04:37	29° $\mathbb{B}$ 15'29	
inferior conj	1482 Jan 20 j 20:45	10° $\approx$ 00'18	3°35'50	inferior conj	1483 Jan 04 j 18:03	23° $\mathbb{B}$ 23'21	3°13'02
minimum elong	1482 Jan 20 j 19:04	10° $\approx$ 05'22	3°35'39	minimum elong	1483 Jan 04 j 15:34	23° $\mathbb{B}$ 31'20	3°12'31
min. Earth dist.	1482 Jan 22 j 19:37	7° $\approx$ 40'10	0.64863 AU	min. Earth dist.	1483 Jan 06 j 01:51	21° $\mathbb{B}$ 41'01	0.66175 AU
morning rise	1482 Jan 26 j 11:49	3° $\approx$ 51'50		morning rise	1483 Jan 10 j 02:17	17° $\mathbb{B}$ 11'37	
direct	1482 Feb 02 j 06:12	0° $\approx$ 59'51		direct	1483 Jan 16 j 10:06	14° $\mathbb{B}$ 24'02	
desc. node	1482 Feb 13 j 23:33	7° $\approx$ 12'00		morning max el	1483 Jan 29 j 00:30	21° $\mathbb{B}$ 51'26	26°09'23
morning max el	1482 Feb 15 j 15:01	8° $\approx$ 47'19	27°10'54	desc. node	1483 Jan 31 j 20:36	24° $\mathbb{B}$ 52'56	
	1482 Mar 04 j 04:37	0° $\mathbb{H}$			1483 Feb 05 j 03:40	0° $\approx$	
	1482 Mar 21 j 19:31	0° $\mathbb{Y}$			1483 Feb 25 j 10:11	0° $\mathbb{H}$	
morning set	1482 Mar 23 j 03:41	2° $\mathbb{Y}$ 34'48		morning set	1483 Mar 06 j 05:00	15° $\mathbb{H}$ 32'49	
max. Earth dist.	1482 Mar 27 j 18:40	11° $\mathbb{Y}$ 47'42	1.33865 AU	max. Earth dist.	1483 Mar 10 j 04:26	23° $\mathbb{H}$ 06'54	1.35297 AU
					1483 Mar 13 j 15:57	0° $\mathbb{Y}$	
superior conj	1482 Mar 31 j 09:09	19° $\mathbb{Y}$ 16'27	-0°40'22				
minimum elong	1482 Mar 31 j 11:09	19° $\mathbb{Y}$ 27'02	0°39'58	superior conj	1483 Mar 15 j 05:44	3° $\mathbb{Y}$ 11'06	-1°07'37
asc. node	1482 Apr 04 j 07:32	27° $\mathbb{Y}$ 36'43		minimum elong	1483 Mar 15 j 09:03	3° $\mathbb{Y}$ 28'01	1°07'03
	1482 Apr 05 j 10:31	0° $\mathbb{B}$		asc. node	1483 Mar 22 j 04:34	17° $\mathbb{Y}$ 32'00	
evening rise	1482 Apr 07 j 17:10	4° $\mathbb{B}$ 48'09		evening rise	1483 Mar 23 j 00:47	19° $\mathbb{Y}$ 16'06	
	1482 Apr 21 j 14:15	0° $\mathbb{I}$			1483 Mar 28 j 10:32	0° $\mathbb{B}$	
evening max el	1482 Apr 28 j 08:04	8° $\mathbb{I}$ 07'23	21°51'32	evening max el	1483 Apr 10 j 11:39	19° $\mathbb{B}$ 10'56	20°28'36
retrograde	1482 May 10 j 21:19	14° $\mathbb{I}$ 17'02		retrograde	1483 Apr 21 j 10:24	24° $\mathbb{B}$ 29'04	
desc. node	1482 May 12 j 22:46	14° $\mathbb{I}$ 07'29		evening set	1483 Apr 23 j 12:23	24° $\mathbb{B}$ 18'21	
evening set	1482 May 13 j 12:02	14° $\mathbb{I}$ 01'47		desc. node	1483 Apr 29 j 19:46	21° $\mathbb{B}$ 56'58	
inferior conj	1482 May 22 j 21:51	9° $\mathbb{I}$ 58'12	-2°46'32	inferior conj	1483 May 02 j 16:21	20° $\mathbb{B}$ 20'31	-0°49'49
minimum elong	1482 May 22 j 14:42	10° $\mathbb{I}$ 08'12	2°44'18	minimum elong	1483 May 02 j 14:00	20° $\mathbb{B}$ 23'56	0°48'57
min. Earth dist.	1482 May 22 j 12:24	10° $\mathbb{I}$ 11'25	0.55012 AU	min. Earth dist.	1483 May 04 j 01:09	19° $\mathbb{B}$ 32'57	0.55100 AU
morning rise	1482 May 31 j 18:35	6° $\mathbb{I}$ 03'39		morning rise	1483 May 11 j 14:33	16° $\mathbb{B}$ 07'35	
direct	1482 Jun 03 j 20:12	5° $\mathbb{I}$ 42'49		direct	1483 May 15 j 07:04	15° $\mathbb{B}$ 38'13	
morning max el	1482 Jun 15 j 22:04	11° $\mathbb{I}$ 23'12	21°42'20	morning max el	1483 May 28 j 16:32	22° $\mathbb{B}$ 08'39	23°21'51
	1482 Jun 29 j 08:28	0° $\mathbb{E}$			1483 Jun 04 j 13:13	0° $\mathbb{I}$	
asc. node	1482 Jul 01 j 06:48	3° $\mathbb{E}$ 34'27		asc. node	1483 Jun 18 j 03:51	23° $\mathbb{I}$ 07'48	
morning set	1482 Jul 06 j 14:35	14° $\mathbb{E}$ 13'18		morning set	1483 Jun 21 j 01:53	29° $\mathbb{I}$ 08'44	
					1483 Jun 21 j 11:37	0° $\mathbb{E}$	
superior conj	1482 Jul 13 j 21:38	29° $\mathbb{E}$ 33'57	1°39'53				
minimum elong	1482 Jul 13 j 19:57	29° $\mathbb{E}$ 25'08	1°39'45	superior conj	1483 Jun 28 j 03:34	14° $\mathbb{E}$ 17'52	1°28'16
	1482 Jul 14 j 02:37	0° $\mathbb{Q}$		minimum elong	1483 Jun 28 j 01:15	14° $\mathbb{E}$ 05'27	1°28'00
max. Earth dist.	1482 Jul 17 j 15:50	7° $\mathbb{Q}$ 18'21	1.34888 AU	max. Earth dist.	1483 Jun 30 j 14:21	19° $\mathbb{E}$ 30'47	1.33634 AU
evening rise	1482 Jul 22 j 02:59	16° $\mathbb{Q}$ 06'38		evening rise	1483 Jul 05 j 17:38	0° $\mathbb{Q}$ 04'21	
	1482 Jul 29 j 17:49	0° $\mathbb{P}$			1483 Jul 05 j 16:46	0° $\mathbb{Q}$	
desc. node	1482 Aug 08 j 22:10	16° $\mathbb{P}$ 21'20			1483 Jul 22 j 18:34	0° $\mathbb{P}$	
	1482 Aug 18 j 22:33	0° $\mathbb{L}$		desc. node	1483 Jul 26 j 19:09	5° $\mathbb{P}$ 53'39	
evening max el	1482 Aug 26 j 07:47	8° $\mathbb{L}$ 08'49	26°50'30	evening max el	1483 Aug 08 j 19:31	21° $\mathbb{P}$ 29'49	27°21'13
retrograde	1482 Sep 08 j 09:58	15° $\mathbb{L}$ 24'28		retrograde	1483 Aug 22 j 07:41	28° $\mathbb{P}$ 48'10	
evening set	1482 Sep 15 j 03:12	12° $\mathbb{L}$ 41'25		evening set	1483 Aug 29 j 10:08	26° $\mathbb{P}$ 05'26	
min. Earth dist.	1482 Sep 19 j 02:39	8° $\mathbb{L}$ 40'53	0.65699 AU	min. Earth dist.	1483 Sep 02 j 03:26	22° $\mathbb{P}$ 40'28	0.64318 AU
inferior conj	1482 Sep 20 j 22:45	6° $\mathbb{L}$ 32'01	-2°05'52	inferior conj	1483 Sep 04 j 12:21	20° $\mathbb{P}$ 08'57	-3°02'22
minimum elong	1482 Sep 21 j 02:04	6° $\mathbb{L}$ 22'18	2°04'34	minimum elong	1483 Sep 04 j 17:00	19° $\mathbb{P}$ 56'34	3°00'49
morning rise	1482 Sep 27 j 01:33	0° $\mathbb{L}$ 51'12		morning rise	1483 Sep 11 j 00:50	14° $\mathbb{P}$ 43'35	
asc. node	1482 Sep 27 j 05:59	0° $\mathbb{L}$ 45'36		direct	1483 Sep 13 j 15:17	14° $\mathbb{P}$ 09'00	
direct	1482 Sep 29 j 21:54	0° $\mathbb{L}$ 06'21		asc. node	1483 Sep 14 j 03:03	14° $\mathbb{P}$ 10'14	
morning max el	1482 Oct 06 j 11:46	3° $\mathbb{L}$ 41'30	18°21'07	morning max el	1483 Sep 20 j 03:31	17° $\mathbb{P}$ 35'31	17°57'50

	1483 Sep 29 j 03:18	0°♄			1484 Aug 21 j 16:06	30°♄♄		
morning set	1483 Oct 07 j 09:44	13°♄53'29		morning rise	1484 Aug 24 j 14:34	28°♄22'37		
	1483 Oct 17 j 00:35	0°♄		direct	1484 Aug 27 j 01:39	27°♄55'10		
				asc. node	1484 Aug 31 j 00:07	29°♄07'10		
superior conj	1483 Oct 20 j 14:12	5°♄48'53	0°14'37		1484 Sep 01 j 06:31	0°♄		
minimum elong	1483 Oct 20 j 15:52	5°♄55'39	0°14'22	morning max el	1484 Sep 02 j 19:19	1°♄21'33	17°52'23	
behind sun begin	1483 Oct 20 j 11:06	5°♄36'22		morning set	1484 Sep 18 j 22:54	26°♄31'47		
behind sun end	1483 Oct 20 j 20:38	6°♄14'55			1484 Sep 20 j 21:39	0°♄		
desc. node	1483 Oct 22 j 18:30	9°♄19'27						
max. Earth dist.	1483 Oct 25 j 14:22	13°♄50'04	1.44550 AU	superior conj	1484 Sep 30 j 05:51	16°♄15'20	0°54'56	
	1483 Nov 04 j 22:35	0°♄		minimum elong	1484 Sep 30 j 10:23	16°♄34'30	0°54'22	
evening rise	1483 Nov 05 j 19:44	1°♄21'29		max. Earth dist.	1484 Oct 07 j 05:23	27°♄48'56	1.43337 AU	
	1483 Nov 24 j 23:56	0°♄		desc. node	1484 Oct 08 j 15:31	0°♄06'45		
evening max el	1483 Dec 02 j 20:47	9°♄48'33	20°14'58		1484 Oct 08 j 13:50	0°♄		
retrograde	1483 Dec 10 j 16:47	14°♄24'49		evening rise	1484 Oct 15 j 04:15	10°♄26'03		
asc. node	1483 Dec 11 j 02:17	14°♄23'57			1484 Oct 28 j 03:06	0°♄		
evening set	1483 Dec 14 j 10:46	13°♄03'05		evening max el	1484 Nov 14 j 19:06	23°♄18'22	21°24'02	
inferior conj	1483 Dec 19 j 20:53	6°♄57'47	2°40'09	retrograde	1484 Nov 23 j 14:15	28°♄32'17		
minimum elong	1483 Dec 19 j 18:13	7°♄06'47	2°39'22	asc. node	1484 Nov 26 j 23:21	27°♄28'51		
min. Earth dist.	1483 Dec 20 j 15:13	5°♄55'54	0.67083 AU	evening set	1484 Nov 27 j 18:24	26°♄54'58		
morning rise	1483 Dec 25 j 01:30	0°♄44'32		inferior conj	1484 Dec 03 j 02:59	20°♄39'52	1°59'23	
	1483 Dec 25 j 22:52	30°♄♄		minimum elong	1484 Dec 03 j 00:38	20°♄47'58	1°58'32	
direct	1483 Dec 30 j 19:25	28°♄11'28		min. Earth dist.	1484 Dec 03 j 09:23	20°♄17'42	0.67609 AU	
	1484 Jan 05 j 06:13	0°♄		morning rise	1484 Dec 08 j 06:41	14°♄27'01		
morning max el	1484 Jan 11 j 09:12	5°♄05'30	24°49'35	direct	1484 Dec 13 j 09:35	12°♄14'16		
desc. node	1484 Jan 18 j 17:41	13°♄32'28		morning max el	1484 Dec 23 j 18:13	18°♄24'12	23°21'41	
	1484 Jan 30 j 14:20	0°♄			1485 Jan 02 j 11:21	0°♄		
morning set	1484 Feb 16 j 12:10	27°♄33'26		desc. node	1485 Jan 04 j 14:45	2°♄53'22		
	1484 Feb 17 j 21:00	0°♄			1485 Jan 22 j 17:28	0°♄		
max. Earth dist.	1484 Feb 20 j 03:57	4°♄09'46	1.37142 AU	morning set	1485 Jan 27 j 18:56	8°♄20'13		
				max. Earth dist.	1485 Jan 31 j 22:47	15°♄27'47	1.39245 AU	
superior conj	1484 Feb 26 j 16:15	16°♄31'31	-1°32'34					
minimum elong	1484 Feb 26 j 20:23	16°♄51'42	1°32'01	superior conj	1485 Feb 08 j 12:44	29°♄07'34	-1°52'25	
	1484 Mar 04 j 10:41	0°♄		minimum elong	1485 Feb 08 j 16:30	29°♄25'08	1°52'08	
evening rise	1484 Mar 06 j 03:07	3°♄22'40			1485 Feb 08 j 23:59	0°♄		
asc. node	1484 Mar 08 j 01:36	7°♄13'28		evening rise	1485 Feb 17 j 21:22	17°♄00'28		
	1484 Mar 22 j 05:37	0°♄		asc. node	1485 Feb 22 j 22:39	26°♄35'44		
evening max el	1484 Mar 23 j 02:53	0°♄53'41	19°23'33		1485 Feb 24 j 20:00	0°♄		
retrograde	1484 Apr 01 j 08:55	5°♄21'43		evening max el	1485 Mar 06 j 04:08	13°♄13'51	18°38'27	
evening set	1484 Apr 03 j 11:14	5°♄08'56		retrograde	1485 Mar 14 j 00:56	17°♄04'21		
inferior conj	1484 Apr 11 j 22:26	1°♄01'42	1°03'51	evening set	1485 Mar 16 j 08:43	16°♄45'26		
minimum elong	1484 Apr 12 j 00:59	0°♄57'30	1°02'59	inferior conj	1485 Mar 24 j 00:30	12°♄20'28	2°29'16	
	1484 Apr 13 j 12:01	30°♄♄		minimum elong	1485 Mar 24 j 04:36	12°♄12'37	2°28'10	
min. Earth dist.	1484 Apr 14 j 15:49	29°♄15'13	0.56112 AU	min. Earth dist.	1485 Mar 27 j 09:38	9°♄46'49	0.57835 AU	
desc. node	1484 Apr 15 j 16:49	28°♄36'31		morning rise	1485 Mar 31 j 21:25	7°♄01'59		
morning rise	1484 Apr 20 j 11:55	26°♄15'56		desc. node	1485 Apr 02 j 13:52	6°♄21'03		
direct	1484 Apr 25 j 03:43	25°♄26'30		direct	1485 Apr 06 j 14:52	5°♄39'49		
	1484 May 06 j 07:07	0°♄		morning max el	1485 Apr 20 j 23:46	13°♄15'29	26°28'41	
morning max el	1484 May 09 j 07:12	2°♄36'58	25°02'27		1485 May 04 j 04:45	0°♄		
	1484 May 28 j 12:07	0°♄		morning set	1485 May 20 j 00:38	28°♄59'20		
asc. node	1484 Jun 04 j 00:54	12°♄58'14			1485 May 20 j 12:08	0°♄		
morning set	1484 Jun 04 j 13:46	14°♄05'55		asc. node	1485 May 21 j 21:57	3°♄00'13		
superior conj	1484 Jun 11 j 13:18	29°♄12'25	1°11'57	superior conj	1485 May 27 j 00:53	14°♄11'01	0°51'49	
minimum elong	1484 Jun 11 j 10:54	28°♄59'18	1°11'35	minimum elong	1485 May 26 j 22:52	13°♄59'52	0°51'26	
	1484 Jun 11 j 22:02	0°♄		max. Earth dist.	1485 May 27 j 07:51	14°♄49'19	1.32316 AU	
max. Earth dist.	1484 Jun 12 j 20:43	2°♄03'22	1.32779 AU	evening rise	1485 Jun 02 j 23:29	29°♄10'57		
evening rise	1484 Jun 18 j 17:26	14°♄28'47			1485 Jun 03 j 08:53	0°♄		
	1484 Jun 26 j 18:09	0°♄			1485 Jun 20 j 00:00	0°♄		
desc. node	1484 Jul 12 j 16:10	24°♄45'03		desc. node	1485 Jun 29 j 13:10	12°♄38'20		
	1484 Jul 16 j 23:51	0°♄		evening max el	1485 Jul 03 j 08:38	16°♄36'21	26°50'46	
evening max el	1484 Jul 21 j 04:35	4°♄22'47	27°22'27	retrograde	1485 Jul 17 j 07:28	23°♄50'41		
retrograde	1484 Aug 03 j 23:13	11°♄40'00		evening set	1485 Jul 24 j 04:52	21°♄46'36		
evening set	1484 Aug 11 j 04:10	9°♄09'36		min. Earth dist.	1485 Jul 27 j 22:39	19°♄07'56	0.60617 AU	
min. Earth dist.	1484 Aug 14 j 18:09	6°♄14'06	0.62596 AU	inferior conj	1485 Jul 31 j 04:40	16°♄24'54	-4°34'28	
inferior conj	1484 Aug 17 j 15:27	3°♄29'17	-3°53'53	minimum elong	1485 Jul 31 j 08:53	16°♄16'03	4°33'50	
minimum elong	1484 Aug 17 j 20:40	3°♄16'51	3°52'34	morning rise	1485 Aug 07 j 14:48	11°♄39'36		

direct	1485 Aug 10 j 01:10	11°♎16'41		morning rise	1486 Jul 20 j 21:21	24°♊23'02	
morning max el	1485 Aug 17 j 08:04	14°♎51'44	18°05'51	direct	1486 Jul 23 j 09:32	24°♊02'40	
asc. node	1485 Aug 17 j 21:12	15°♎24'33		morning max el	1486 Jul 31 j 14:33	27°♊56'50	18°39'41
	1485 Aug 27 j 18:27	0°♎			1486 Aug 02 j 13:23	0°♎	
morning set	1485 Sep 02 j 04:35	9°♎57'26		asc. node	1486 Aug 04 j 18:15	2°♎46'52	
				morning set	1486 Aug 16 j 21:58	23°♎57'31	
					1486 Aug 20 j 00:27	0°♎	
superior conj	1485 Sep 11 j 23:56	27°♎59'22	1°23'12				
minimum elong	1485 Sep 12 j 04:06	28°♎18'00	1°22'47				
	1485 Sep 13 j 03:05	0°♎		superior conj	1486 Aug 25 j 15:34	10°♎47'33	1°39'36
max. Earth dist.	1485 Sep 19 j 14:55	11°♎11'20	1.41625 AU	minimum elong	1486 Aug 25 j 17:57	10°♎58'48	1°39'27
evening rise	1485 Sep 25 j 01:47	20°♎08'46		max. Earth dist.	1486 Sep 01 j 20:03	23°♎52'35	1.39629 AU
desc. node	1485 Sep 25 j 12:32	20°♎51'55			1486 Sep 05 j 09:06	0°♎	
	1485 Oct 01 j 08:07	0°♎		evening rise	1486 Sep 05 j 22:20	0°♎56'04	
	1485 Oct 22 j 12:20	0°♎		desc. node	1486 Sep 12 j 09:32	11°♎31'32	
evening max el	1485 Oct 28 j 12:11	6°♎49'50	22°41'27		1486 Sep 24 j 16:44	0°♎	
retrograde	1485 Nov 07 j 09:31	12°♎42'22		evening max el	1486 Oct 11 j 01:43	20°♎25'14	24°01'30
evening set	1485 Nov 12 j 01:47	10°♎48'14		retrograde	1486 Oct 22 j 01:21	26°♎52'27	
asc. node	1485 Nov 13 j 20:26	9°♎04'24		evening set	1486 Oct 27 j 07:18	24°♎41'04	
inferior conj	1485 Nov 17 j 10:21	4°♎27'08	1°12'20	asc. node	1486 Oct 31 j 17:28	19°♎38'05	
minimum elong	1485 Nov 17 j 08:45	4°♎32'39	1°11'41	min. Earth dist.	1486 Nov 01 j 02:16	19°♎08'30	0.67639 AU
min. Earth dist.	1485 Nov 17 j 05:54	4°♎42'31	0.67789 AU	inferior conj	1486 Nov 01 j 17:13	18°♎17'51	0°20'25
	1485 Nov 20 j 21:11	30°♎		minimum elong	1486 Nov 01 j 16:43	18°♎19'32	0°20'13
morning rise	1485 Nov 22 j 15:34	28°♎16'44		morning rise	1486 Nov 07 j 02:07	12°♎12'22	
direct	1485 Nov 27 j 03:40	26°♎26'38		direct	1486 Nov 11 j 00:36	10°♎44'22	
	1485 Dec 04 j 08:38	0°♎		morning max el	1486 Nov 19 j 01:55	15°♎23'33	20°37'04
morning max el	1485 Dec 06 j 06:40	1°♎48'40	21°55'05		1486 Nov 30 j 13:53	0°♎	
desc. node	1485 Dec 22 j 11:47	22°♎43'36		desc. node	1486 Dec 09 j 08:49	12°♎55'14	
	1485 Dec 27 j 10:19	0°♎		morning set	1486 Dec 17 j 21:51	25°♎59'10	
morning set	1486 Jan 07 j 20:30	17°♎41'58			1486 Dec 20 j 11:33	0°♎	
max. Earth dist.	1486 Jan 13 j 20:48	27°♎31'51	1.41357 AU	max. Earth dist.	1486 Dec 27 j 02:49	10°♎33'49	1.43181 AU
	1486 Jan 15 j 08:08	0°♎					
superior conj	1486 Jan 21 j 14:07	10°♎46'23	-2°03'23	superior conj	1487 Jan 02 j 15:15	21°♎16'29	-2°00'40
minimum elong	1486 Jan 21 j 15:28	10°♎52'21	2°03'22	minimum elong	1487 Jan 02 j 11:48	21°♎02'07	2°00'33
evening rise	1486 Feb 01 j 04:03	0°♎00'26			1487 Jan 07 j 18:45	0°♎	
	1486 Feb 01 j 03:58	0°♎		evening rise	1487 Jan 14 j 19:08	12°♎14'40	
asc. node	1486 Feb 09 j 19:43	15°♎31'32			1487 Jan 25 j 03:09	0°♎	
evening max el	1486 Feb 17 j 12:16	26°♎02'07	18°13'21	asc. node	1487 Jan 27 j 16:45	3°♎52'38	
retrograde	1486 Feb 24 j 11:18	29°♎31'33		evening max el	1487 Feb 01 j 00:02	9°♎09'44	18°07'51
evening set	1486 Feb 27 j 00:53	29°♎03'56		retrograde	1487 Feb 07 j 12:36	12°♎33'36	
inferior conj	1486 Mar 05 j 23:26	24°♎18'02	3°20'32	evening set	1487 Feb 10 j 07:16	11°♎56'01	
minimum elong	1486 Mar 06 j 02:22	24°♎11'31	3°20'04	inferior conj	1487 Feb 16 j 16:20	6°♎49'10	3°42'46
min. Earth dist.	1486 Mar 09 j 08:25	21°♎19'27	0.59927 AU	minimum elong	1487 Feb 16 j 17:12	6°♎46'57	3°42'43
morning rise	1486 Mar 13 j 01:38	18°♎35'57		min. Earth dist.	1487 Feb 19 j 14:50	3°♎50'43	0.62040 AU
direct	1486 Mar 19 j 14:34	16°♎36'37		morning rise	1487 Feb 23 j 01:51	0°♎52'19	
desc. node	1486 Mar 20 j 10:56	16°♎38'34			1487 Feb 24 j 09:52	30°♎	
morning max el	1486 Apr 02 j 21:43	24°♎25'08	27°26'49	direct	1487 Mar 02 j 00:01	28°♎22'13	
	1486 Apr 07 j 23:42	0°♎		desc. node	1487 Mar 07 j 07:59	29°♎40'50	
	1486 Apr 27 j 10:07	0°♎			1487 Mar 07 j 23:28	0°♎	
morning set	1486 May 04 j 08:40	13°♎42'01		morning max el	1487 Mar 16 j 01:52	6°♎16'14	27°49'01
asc. node	1486 May 08 j 19:00	23°♎08'09			1487 Apr 03 j 00:42	0°♎	
max. Earth dist.	1486 May 10 j 20:09	27°♎36'38	1.32234 AU	morning set	1487 Apr 18 j 11:53	28°♎07'31	
					1487 Apr 19 j 09:51	0°♎	
				max. Earth dist.	1487 Apr 24 j 05:49	10°♎12'41	1.32539 AU
superior conj	1486 May 11 j 12:31	29°♎06'31	0°28'32				
minimum elong	1486 May 11 j 11:17	28°♎59'41	0°28'16	superior conj	1487 Apr 25 j 22:30	13°♎53'12	0°02'52
	1486 May 11 j 22:15	0°♎		minimum elong	1487 Apr 25 j 22:22	13°♎52'29	0°02'50
evening rise	1486 May 18 j 09:19	14°♎01'55		behind sun begin	1487 Apr 25 j 17:18	13°♎24'53	
	1486 May 26 j 10:20	0°♎		behind sun end	1487 Apr 26 j 03:27	14°♎20'06	
evening max el	1486 Jun 15 j 05:52	28°♎03'40	25°47'31	asc. node	1487 Apr 25 j 16:01	13°♎17'56	
desc. node	1486 Jun 16 j 10:11	29°♎08'55		evening rise	1487 May 02 j 20:57	28°♎54'50	
	1486 Jun 17 j 09:54	0°♎			1487 May 03 j 09:17	0°♎	
retrograde	1486 Jun 29 j 06:28	5°♎13'31			1487 May 20 j 08:00	0°♎	
evening set	1486 Jul 05 j 07:34	3°♎46'27		evening max el	1487 May 27 j 21:03	8°♎50'25	24°20'48
min. Earth dist.	1486 Jul 09 j 18:17	1°♎07'24	0.58558 AU	desc. node	1487 Jun 03 j 07:12	13°♎44'35	
	1486 Jul 11 j 07:57	30°♎		retrograde	1487 Jun 10 j 17:53	15°♎50'13	
inferior conj	1486 Jul 13 j 00:26	28°♎45'49	-4°54'36	evening set	1487 Jun 15 j 10:55	15°♎00'42	
minimum elong	1486 Jul 13 j 01:18	28°♎44'14	4°54'34	min. Earth dist.	1487 Jun 21 j 08:02	12°♎04'24	0.56703 AU

inferior conj	1487 Jun 24 j 00:08	10°  23'17	-4°40'56	inferior conj	1488 Jun 03 j 05:05	21°  17'38	-3°41'33
minimum elong	1487 Jun 23 j 19:49	10°  30'08	4°40'27	minimum elong	1488 Jun 02 j 21:23	21°  28'42	3°39'38
morning rise	1487 Jul 02 j 07:25	6°  20'42		morning rise	1488 Jun 11 j 21:49	17°  25'24	
direct	1487 Jul 04 j 23:09	6°  01'43		direct	1488 Jun 14 j 18:28	17°  06'25	
morning max el	1487 Jul 14 j 11:50	10°  27'17	19°34'47	morning max el	1488 Jun 25 j 22:08	22°  16'44	20°50'38
asc. node	1487 Jul 22 j 15:16	20°  59'40		asc. node	1488 Jul 02 j 11:04	0° 	
	1487 Jul 27 j 17:08	0° 		asc. node	1488 Jul 08 j 12:17	9°  51'19	
morning set	1487 Jul 31 j 23:25	8°  21'48		morning set	1488 Jul 15 j 06:19	23°  03'17	
					1488 Jul 18 j 14:41	0° 	
superior conj	1487 Aug 08 j 23:09	24°  23'46	1°45'54	superior conj	1488 Jul 22 j 18:08	8°  35'04	1°44'01
minimum elong	1487 Aug 08 j 23:36	24°  26'02	1°45'53	minimum elong	1488 Jul 22 j 17:04	8°  29'37	1°43'58
	1487 Aug 11 j 20:15	0° 			1488 Jul 27 j 08:19	17°  28'47	1.35778 AU
max. Earth dist.	1487 Aug 15 j 00:06	5°  58'13	1.37602 AU	max. Earth dist.	1488 Jul 31 j 11:09	25°  24'38	
evening rise	1487 Aug 18 j 18:41	12°  50'09		evening rise	1488 Aug 02 j 19:01	0° 	
	1487 Aug 28 j 23:49	0° 			1488 Aug 16 j 03:34	22°  14'30	
desc. node	1487 Aug 30 j 06:32	2°  20'50		desc. node	1488 Aug 21 j 10:51	0° 	
	1487 Sep 19 j 17:32	0° 			1488 Sep 05 j 01:30	17°  41'56	26°21'38
evening max el	1487 Sep 23 j 13:38	4°  03'35	25°17'24	evening max el	1488 Sep 17 j 19:34	24°  53'19	
retrograde	1487 Oct 05 j 12:51	10°  57'52		retrograde	1488 Sep 24 j 05:49	22°  13'50	
evening set	1487 Oct 11 j 09:16	8°  30'28		evening set	1488 Sep 28 j 09:09	17°  52'26	0.66335 AU
min. Earth dist.	1487 Oct 15 j 20:06	3°  32'46	0.67159 AU	min. Earth dist.	1488 Sep 29 j 22:22	15°  58'43	-1°32'31
inferior conj	1487 Oct 16 j 21:50	2°  09'13	-0°35'03	inferior conj	1488 Sep 30 j 00:48	15°  51'17	1°31'31
minimum elong	1487 Oct 16 j 22:43	2°  06'20	0°34'39	minimum elong	1488 Oct 04 j 11:30	11°  40'19	
asc. node	1487 Oct 18 j 14:30	0° 		asc. node	1488 Oct 05 j 20:16	10°  41'55	
	1487 Oct 18 j 14:32	30° 		morning rise	1488 Oct 08 j 21:03	9°  41'55	
morning rise	1487 Oct 22 j 12:21	26°  41'11		direct	1488 Oct 15 j 15:00	13°  42'39	18°42'14
direct	1487 Oct 25 j 22:55	25°  02'54		morning max el	1488 Oct 27 j 22:48	0° 	
morning max el	1487 Nov 02 j 05:03	29°  09'09	19°32'00	morning set	1488 Nov 05 j 13:38	13°  37'12	
	1487 Nov 03 j 00:35	0° 		desc. node	1488 Nov 12 j 02:52	23°  59'06	
greatest brilliancy	1487 Nov 15 j 16:29	17°  12'18	-0.7m		1488 Nov 15 j 22:33	0° 	
	1487 Nov 24 j 01:34	0° 					
desc. node	1487 Nov 26 j 05:49	3°  21'48		superior conj	1488 Nov 21 j 17:30	9°  45'43	-1°01'08
morning set	1487 Nov 26 j 19:42	4°  21'53		minimum elong	1488 Nov 21 j 10:01	8°  36'19	1°00'14
max. Earth dist.	1487 Dec 09 j 16:04	24°  21'00	1.44474 AU	max. Earth dist.	1488 Nov 21 j 09:34	8°  34'34	1.45084 AU
	1487 Dec 13 j 05:13	0° 			1488 Dec 04 j 22:47	0° 	
superior conj	1487 Dec 13 j 13:49	0°  34'25	-1°39'53	evening rise	1488 Dec 07 j 10:19	3°  57'57	
minimum elong	1487 Dec 13 j 05:41	0°  30'53	1°39'11	greatest brilliancy	1488 Dec 14 j 22:08	15°  58'00	-0.9m
evening rise	1487 Dec 27 j 14:16	23°  35'04			1488 Dec 24 j 03:37	0° 	
	1487 Dec 31 j 09:56	0° 		evening max el	1488 Dec 28 j 23:10	5°  54'15	18°52'48
asc. node	1488 Jan 14 j 13:47	21°  28'12		asc. node	1488 Dec 31 j 10:48	8°  45'46	
evening max el	1488 Jan 15 j 12:28	22°  28'41	18°21'19	retrograde	1489 Jan 04 j 18:12	9°  44'06	
retrograde	1488 Jan 22 j 00:15	26°  00'07		evening set	1489 Jan 07 j 23:45	8°  44'01	
evening set	1488 Jan 24 j 23:56	25°  11'48		inferior conj	1489 Jan 13 j 16:01	3°  00'40	3°27'35
inferior conj	1488 Jan 30 j 23:06	19°  45'34	3°43'09	minimum elong	1489 Jan 13 j 13:55	3°  07'12	3°27'15
minimum elong	1488 Jan 30 j 22:10	19°  48'13	3°43'07	min. Earth dist.	1489 Jan 15 j 08:20	0°  55'48	0.65466 AU
min. Earth dist.	1488 Feb 02 j 06:47	17°  07'32	0.63927 AU		1489 Jan 16 j 02:56	30° 	
morning rise	1488 Feb 05 j 19:43	13°  40'01		morning rise	1489 Jan 19 j 03:43	26°  50'15	
direct	1488 Feb 12 j 17:32	10°  52'00		direct	1489 Jan 25 j 18:01	23°  58'38	
desc. node	1488 Feb 22 j 05:00	14°  57'56			1489 Feb 06 j 02:43	0° 	
morning max el	1488 Feb 26 j 10:18	18°  44'58	27°34'25	morning max el	1489 Feb 07 j 20:09	1°  40'03	26°47'36
	1488 Mar 06 j 22:59	0° 		desc. node	1489 Feb 08 j 02:03	1°  54'57	
	1488 Mar 25 j 22:28	0° 			1489 Mar 01 j 01:57	0° 	
morning set	1488 Apr 01 j 07:50	12°  07'52		morning set	1489 Mar 15 j 17:11	25°  32'21	
max. Earth dist.	1488 Apr 06 j 08:48	22°  07'18	1.33249 AU		1489 Mar 18 j 00:33	0° 	
				max. Earth dist.	1489 Mar 20 j 01:19	4°  01'32	1.34410 AU
superior conj	1488 Apr 09 j 05:02	28°  07'25	-0°24'24	superior conj	1489 Mar 24 j 05:58	12°  35'25	-0°52'05
minimum elong	1488 Apr 09 j 06:14	28°  31'37	0°24'09	minimum elong	1489 Mar 24 j 08:34	12°  48'55	0°51'35
	1488 Apr 09 j 22:45	0° 		asc. node	1489 Mar 29 j 10:06	23°  42'40	
asc. node	1488 Apr 11 j 13:04	3°  25'41		evening rise	1489 Mar 31 j 18:12	28°  42'47	
evening rise	1488 Apr 16 j 08:33	13°  43'15			1489 Apr 01 j 13:28	0° 	
	1488 Apr 24 j 14:49	0° 			1489 Apr 20 j 06:38	0° 	
evening max el	1488 May 08 j 11:34	19°  20'45	22°44'59	evening max el	1489 Apr 20 j 08:57	0° 	
desc. node	1488 May 20 j 04:13	25°  49'59		retrograde	1489 May 02 j 07:25	5°  54'52	
retrograde	1488 May 21 j 17:12	25°  55'24		evening set	1489 May 04 j 14:18	5°  42'47	
evening set	1488 May 24 j 23:17	25°  32'08		desc. node	1489 May 07 j 01:14	5° 	
min. Earth dist.	1488 Jun 01 j 19:52	22°  05'14	0.55389 AU				



inferior conj	1489 May 13 j 23:27	1° $\Pi$ 43'36	-1°58'59	evening max el	1490 Apr 02 j 17:40	11° $\mathcal{B}$ 25'58	19°58'38
minimum elong	1489 May 13 j 17:56	1° $\Pi$ 51'22	1°57'05	retrograde	1490 Apr 12 j 22:39	16° $\mathcal{B}$ 21'17	
min. Earth dist.	1489 May 14 j 08:19	1° $\Pi$ 31'07	0.54920 AU	evening set	1490 Apr 14 j 23:37	16° $\mathcal{B}$ 10'22	
	1489 May 17 j 02:57	30° $\mathcal{R}$ 8		inferior conj	1490 Apr 23 j 21:21	12° $\mathcal{B}$ 10'32	0°00'40
morning rise	1489 May 22 j 21:52	27° $\mathcal{B}$ 43'22		minimum elong	1490 Apr 23 j 21:22	12° $\mathcal{B}$ 10'29	0°00'40
direct	1489 May 26 j 04:22	27° $\mathcal{B}$ 20'10		transit middle	1490 Apr 23 j 21:22	12° $\mathcal{B}$ 10'29	0°00'40
	1489 Jun 03 j 13:52	0° $\Pi$		transit begin	1490 Apr 23 j 17:23	12° $\mathcal{B}$ 16'31	
morning max el	1489 Jun 07 j 21:36	3° $\Pi$ 23'05	22°23'40	transit end	1490 Apr 24 j 01:21	12° $\mathcal{B}$ 04'27	
asc. node	1489 Jun 25 j 09:20	29° $\Pi$ 11'30		desc. node	1490 Apr 23 j 22:16	12° $\mathcal{B}$ 09'08	
	1489 Jun 25 j 19:14	0° $\mathcal{E}$		min. Earth dist.	1490 Apr 25 j 22:03	10° $\mathcal{B}$ 56'56	0.55425 AU
morning set	1489 Jun 29 j 16:31	7° $\mathcal{E}$ 54'52		morning rise	1490 May 02 j 17:02	7° $\mathcal{B}$ 44'21	
				direct	1490 May 06 j 18:50	7° $\mathcal{B}$ 07'50	
superior conj	1489 Jul 06 j 20:53	23° $\mathcal{E}$ 09'32	1°35'35	morning max el	1490 May 20 j 13:37	13° $\mathcal{B}$ 57'37	24°05'19
minimum elong	1489 Jul 06 j 18:51	22° $\mathcal{E}$ 58'51	1°35'25		1490 Jun 02 j 00:51	0° $\Pi$	
max. Earth dist.	1489 Jul 10 j 01:07	29° $\mathcal{E}$ 48'07	1.34302 AU	asc. node	1490 Jun 12 j 06:25	18° $\Pi$ 52'37	
	1489 Jul 10 j 03:25	0° $\mathcal{Q}$		morning set	1490 Jun 14 j 04:16	22° $\Pi$ 51'13	
evening rise	1489 Jul 14 j 18:57	9° $\mathcal{Q}$ 20'01			1490 Jun 17 j 12:25	0° $\mathcal{E}$	
	1489 Jul 26 j 06:16	0° $\mathcal{M}$					
desc. node	1489 Aug 03 j 00:35	12° $\mathcal{M}$ 04'28		superior conj	1490 Jun 21 j 04:42	7° $\mathcal{E}$ 58'34	1°21'52
	1489 Aug 17 j 08:14	0° $\mathcal{L}$		minimum elong	1490 Jun 21 j 02:17	7° $\mathcal{E}$ 45'30	1°21'33
evening max el	1489 Aug 18 j 13:36	1° $\mathcal{L}$ 12'15	27°06'45	max. Earth dist.	1490 Jun 23 j 03:10	12° $\mathcal{E}$ 08'40	1.33224 AU
retrograde	1489 Aug 31 j 20:56	8° $\mathcal{L}$ 30'37		evening rise	1490 Jun 28 j 13:56	23° $\mathcal{E}$ 30'19	
evening set	1489 Sep 07 j 18:34	5° $\mathcal{L}$ 46'18			1490 Jul 01 j 20:54	0° $\mathcal{Q}$	
min. Earth dist.	1489 Sep 11 j 15:08	2° $\mathcal{L}$ 01'12	0.65155 AU		1490 Jul 19 j 22:09	0° $\mathcal{M}$	
	1489 Sep 13 j 10:11	30° $\mathcal{R}$ 8		desc. node	1490 Jul 20 j 21:35	1° $\mathcal{M}$ 20'52	
inferior conj	1489 Sep 13 j 16:41	29° $\mathcal{M}$ 41'36	-2°30'10	evening max el	1490 Aug 01 j 00:39	14° $\mathcal{M}$ 23'19	27°25'40
minimum elong	1489 Sep 13 j 20:37	29° $\mathcal{M}$ 30'31	2°28'44	retrograde	1490 Aug 14 j 16:10	21° $\mathcal{M}$ 41'21	
morning rise	1489 Sep 19 j 23:28	24° $\mathcal{M}$ 06'59		evening set	1490 Aug 21 j 20:30	19° $\mathcal{M}$ 02'34	
asc. node	1489 Sep 21 j 08:33	23° $\mathcal{M}$ 36'54		min. Earth dist.	1490 Aug 25 j 11:59	15° $\mathcal{M}$ 50'51	0.63624 AU
direct	1489 Sep 22 j 16:52	23° $\mathcal{M}$ 27'05		inferior conj	1490 Aug 28 j 02:13	13° $\mathcal{M}$ 12'25	-3°25'08
morning max el	1489 Sep 29 j 05:24	26° $\mathcal{M}$ 57'53	18°09'01	minimum elong	1490 Aug 28 j 07:14	12° $\mathcal{M}$ 59'37	3°23'38
	1489 Oct 01 j 21:14	0° $\mathcal{L}$		morning rise	1490 Sep 03 j 19:07	7° $\mathcal{M}$ 54'17	
morning set	1489 Oct 17 j 12:40	24° $\mathcal{L}$ 25'37		direct	1490 Sep 06 j 07:46	7° $\mathcal{M}$ 23'06	
	1489 Oct 20 j 21:49	0° $\mathcal{M}$		asc. node	1490 Sep 08 j 05:38	7° $\mathcal{M}$ 41'15	
desc. node	1489 Oct 29 j 23:55	14° $\mathcal{M}$ 42'59		morning max el	1490 Sep 12 j 21:29	10° $\mathcal{M}$ 48'48	17°53'10
					1490 Sep 25 j 19:50	0° $\mathcal{L}$	
superior conj	1489 Oct 31 j 21:45	17° $\mathcal{M}$ 45'29	-0°12'45	morning set	1490 Sep 29 j 13:46	6° $\mathcal{L}$ 29'26	
minimum elong	1489 Oct 31 j 20:08	17° $\mathcal{M}$ 39'02	0°12'32				
behind sun begin	1489 Oct 31 j 13:10	17° $\mathcal{M}$ 11'20		superior conj	1490 Oct 11 j 21:49	27° $\mathcal{L}$ 25'25	0°33'05
behind sun end	1489 Nov 01 j 03:06	18° $\mathcal{M}$ 06'44		minimum elong	1490 Oct 12 j 01:12	27° $\mathcal{L}$ 39'18	0°32'38
max. Earth dist.	1489 Nov 04 j 04:22	22° $\mathcal{M}$ 56'19	1.44951 AU		1490 Oct 13 j 11:31	0° $\mathcal{M}$	
	1489 Nov 08 j 16:22	0° $\mathcal{X}$		desc. node	1490 Oct 16 j 20:56	5° $\mathcal{M}$ 29'45	
evening rise	1489 Nov 17 j 08:10	13° $\mathcal{X}$ 28'36		max. Earth dist.	1490 Oct 17 j 21:42	7° $\mathcal{M}$ 09'01	1.44111 AU
	1489 Nov 28 j 01:24	0° $\mathcal{Z}$		evening rise	1490 Oct 27 j 16:55	22° $\mathcal{M}$ 31'08	
greatest brilliancy	1489 Nov 30 j 03:27	3° $\mathcal{Z}$ 09'13	-0.7m		1490 Nov 01 j 14:19	0° $\mathcal{X}$	
evening max el	1489 Dec 12 j 06:07	19° $\mathcal{Z}$ 23'26	19°40'50		1490 Nov 22 j 17:23	0° $\mathcal{Z}$	
asc. node	1489 Dec 18 j 07:50	23° $\mathcal{Z}$ 31'01		evening max el	1490 Nov 25 j 07:51	2° $\mathcal{Z}$ 53'24	20°43'08
retrograde	1489 Dec 19 j 15:18	23° $\mathcal{Z}$ 40'33		retrograde	1490 Dec 03 j 13:05	7° $\mathcal{Z}$ 44'50	
evening set	1489 Dec 23 j 04:12	22° $\mathcal{Z}$ 27'19		asc. node	1490 Dec 05 j 04:54	7° $\mathcal{Z}$ 29'23	
inferior conj	1489 Dec 28 j 16:00	16° $\mathcal{Z}$ 29'23	3°00'11	evening set	1490 Dec 07 j 11:12	6° $\mathcal{Z}$ 16'40	
minimum elong	1489 Dec 28 j 13:23	16° $\mathcal{Z}$ 38'03	2°59'31	inferior conj	1490 Dec 12 j 20:29	0° $\mathcal{Z}$ 07'04	2°23'41
min. Earth dist.	1489 Dec 29 j 17:59	15° $\mathcal{Z}$ 03'50	0.66608 AU	minimum elong	1490 Dec 12 j 17:53	0° $\mathcal{Z}$ 15'54	2°22'51
morning rise	1490 Jan 02 j 22:19	10° $\mathcal{Z}$ 16'39			1490 Dec 12 j 22:33	30° $\mathcal{R}$ 8	
direct	1490 Jan 09 j 00:33	7° $\mathcal{Z}$ 33'55		min. Earth dist.	1490 Dec 13 j 09:37	29° $\mathcal{X}$ 22'09	0.67356 AU
morning max el	1490 Jan 21 j 05:15	14° $\mathcal{Z}$ 49'21	25°36'59	morning rise	1490 Dec 18 j 00:24	23° $\mathcal{X}$ 53'54	
desc. node	1490 Jan 25 j 23:07	20° $\mathcal{Z}$ 03'27		direct	1490 Dec 23 j 12:07	21° $\mathcal{X}$ 28'46	
	1490 Feb 02 j 16:04	0° $\mathcal{A}$		morning max el	1491 Jan 03 j 13:31	28° $\mathcal{X}$ 04'27	24°12'31
	1490 Feb 21 j 21:46	0° $\mathcal{H}$			1491 Jan 05 j 09:29	0° $\mathcal{Z}$	
morning set	1490 Feb 26 j 11:31	8° $\mathcal{H}$ 08'14		desc. node	1491 Jan 12 j 20:10	9° $\mathcal{Z}$ 02'00	
max. Earth dist.	1490 Mar 02 j 05:54	15° $\mathcal{H}$ 08'59	1.36031 AU		1491 Jan 27 j 09:35	0° $\mathcal{A}$	
				morning set	1491 Feb 08 j 08:59	19° $\mathcal{A}$ 38'43	
superior conj	1490 Mar 07 j 22:44	26° $\mathcal{H}$ 16'54	-1°18'38	max. Earth dist.	1491 Feb 12 j 02:19	26° $\mathcal{A}$ 13'00	1.38024 AU
minimum elong	1490 Mar 08 j 02:29	26° $\mathcal{H}$ 35'43	1°18'03		1491 Feb 14 j 04:21	0° $\mathcal{H}$	
	1490 Mar 09 j 19:01	0° $\mathcal{Y}$					
evening rise	1490 Mar 15 j 23:53	12° $\mathcal{Y}$ 39'49		superior conj	1491 Feb 19 j 03:48	9° $\mathcal{H}$ 19'42	-1°41'49
asc. node	1490 Mar 16 j 07:10	13° $\mathcal{Y}$ 16'45		minimum elong	1491 Feb 19 j 07:58	9° $\mathcal{H}$ 39'41	1°41'22
	1490 Mar 25 j 03:57	0° $\mathcal{B}$		evening rise	1491 Feb 27 j 23:06	26° $\mathcal{H}$ 34'37	

	1491 Mar 01 j 16:58	0°♄		asc. node	1492 Feb 18 j 01:15	22°♄02'09	
asc. node	1491 Mar 03 j 04:13	2°♄50'30			1492 Feb 22 j 22:09	0°♄	
evening max el	1491 Mar 16 j 13:30	23°♄25'01	19°01'51	evening max el	1492 Feb 27 j 17:58	5°♄57'26	18°25'14
retrograde	1491 Mar 25 j 03:45	27°♄34'44		retrograde	1492 Mar 06 j 04:04	9°♄37'13	
evening set	1491 Mar 27 j 08:24	27°♄19'36		evening set	1492 Mar 08 j 14:23	9°♄14'47	
inferior conj	1491 Apr 04 j 11:15	23°♄05'22	1°44'19	inferior conj	1492 Mar 15 j 22:22	4°♄40'36	2°55'02
minimum elong	1491 Apr 04 j 14:54	22°♄59'00	1°43'10	minimum elong	1492 Mar 16 j 02:11	4°♄32'47	2°54'11
min. Earth dist.	1491 Apr 07 j 13:33	20°♄56'50	0.56785 AU	min. Earth dist.	1492 Mar 19 j 08:54	1°♄53'30	0.58705 AU
desc. node	1491 Apr 10 j 19:19	18°♄59'35			1492 Mar 22 j 01:10	30°♄♄	
morning rise	1491 Apr 12 j 18:23	18°♄05'21		morning rise	1492 Mar 23 j 11:16	29°♄10'47	
direct	1491 Apr 17 j 21:38	17°♄03'09		desc. node	1492 Mar 27 j 16:22	27°♄42'31	
morning max el	1491 May 02 j 04:10	24°♄25'18	25°41'51	direct	1492 Mar 29 j 13:57	27°♄33'03	
	1491 May 07 j 06:43	0°♄			1492 Apr 06 j 08:58	0°♄	
	1491 May 25 j 20:53	0°♄		morning max el	1492 Apr 12 j 22:50	5°♄14'48	26°57'38
morning set	1491 May 29 j 15:55	7°♄46'56			1492 May 01 j 04:33	0°♄	
asc. node	1491 May 30 j 03:30	8°♄48'12		morning set	1492 May 13 j 01:45	22°♄36'11	
				asc. node	1492 May 16 j 00:31	28°♄52'52	
superior conj	1491 Jun 05 j 15:25	22°♄54'57	1°03'50		1492 May 16 j 12:55	0°♄	
minimum elong	1491 Jun 05 j 13:07	22°♄42'21	1°03'27				
max. Earth dist.	1491 Jun 06 j 12:07	24°♄48'19	1.32536 AU	superior conj	1492 May 20 j 03:11	7°♄52'16	0°42'17
	1491 Jun 08 j 21:28	0°♄		minimum elong	1492 May 20 j 01:26	7°♄42'41	0°41'55
evening rise	1491 Jun 12 j 16:42	8°♄03'02		max. Earth dist.	1492 May 20 j 00:21	7°♄36'41	1.32233 AU
	1491 Jun 24 j 07:16	0°♄		evening rise	1492 May 27 j 00:35	22°♄49'14	
desc. node	1491 Jul 07 j 18:36	19°♄49'52			1492 May 30 j 12:28	0°♄	
evening max el	1491 Jul 14 j 08:08	27°♄01'33	27°13'09		1492 Jun 17 j 13:17	0°♄	
	1491 Jul 17 j 19:13	0°♄		desc. node	1492 Jun 23 j 15:38	7°♄11'09	
retrograde	1491 Jul 28 j 04:30	4°♄16'42		evening max el	1492 Jun 25 j 09:16	8°♄54'46	26°27'25
evening set	1491 Aug 04 j 07:45	1°♄56'07		retrograde	1492 Jul 09 j 08:52	16°♄07'29	
	1491 Aug 06 j 22:29	30°♄♄		evening set	1492 Jul 15 j 23:33	14°♄17'55	
min. Earth dist.	1491 Aug 07 j 22:17	29°♄09'38	0.61779 AU	min. Earth dist.	1492 Jul 19 j 22:24	11°♄41'44	0.59733 AU
inferior conj	1491 Aug 10 j 23:54	26°♄23'44	-4°12'56	inferior conj	1492 Jul 23 j 06:04	9°♄05'14	-4°46'15
minimum elong	1491 Aug 11 j 04:56	26°♄12'20	4°11'52	minimum elong	1492 Jul 23 j 09:10	8°♄59'05	4°45'56
morning rise	1491 Aug 18 j 03:39	21°♄25'38		morning rise	1492 Jul 30 j 20:51	4°♄29'47	
direct	1491 Aug 20 j 14:14	21°♄00'15		direct	1492 Aug 02 j 07:49	4°♄08'06	
asc. node	1491 Aug 26 j 02:43	23°♄14'16		morning max el	1492 Aug 09 j 22:49	7°♄49'29	18°17'49
morning max el	1491 Aug 27 j 12:20	24°♄29'01	17°55'43	asc. node	1492 Aug 11 j 23:45	10°♄00'47	
	1491 Sep 01 j 00:23	0°♄			1492 Aug 24 j 05:21	0°♄	
morning set	1491 Sep 12 j 10:44	19°♄30'32		morning set	1492 Aug 25 j 21:53	3°♄12'03	
	1491 Sep 18 j 06:01	0°♄					
superior conj	1491 Sep 23 j 01:11	8°♄26'26	1°08'27	superior conj	1492 Sep 04 j 05:11	20°♄40'01	1°31'31
minimum elong	1491 Sep 23 j 05:51	8°♄46'37	1°07'54	minimum elong	1492 Sep 04 j 08:41	20°♄55'58	1°31'13
max. Earth dist.	1491 Sep 30 j 11:13	20°♄56'51	1.42664 AU		1492 Sep 09 j 10:38	0°♄	
desc. node	1491 Oct 03 j 17:56	26°♄16'40		max. Earth dist.	1492 Sep 11 j 18:54	4°♄02'54	1.40793 AU
	1491 Oct 06 j 01:54	0°♄		evening rise	1492 Sep 16 j 11:58	11°♄56'13	
evening rise	1491 Oct 07 j 05:17	1°♄48'07		desc. node	1492 Sep 19 j 14:57	16°♄59'50	
	1491 Oct 26 j 02:55	0°♄			1492 Sep 28 j 00:40	0°♄	
evening max el	1491 Nov 08 j 03:55	16°♄24'16	21°56'12	evening max el	1492 Oct 20 j 19:05	29°♄56'35	23°15'25
retrograde	1491 Nov 17 j 09:43	21°♄54'10		retrograde	1492 Oct 31 j 03:44	6°♄04'54	
evening set	1491 Nov 21 j 18:56	20°♄09'36		evening set	1492 Nov 05 j 01:44	4°♄03'07	
asc. node	1491 Nov 22 j 01:57	19°♄55'01		asc. node	1492 Nov 07 j 22:59	0°♄59'31	
inferior conj	1491 Nov 27 j 03:20	13°♄51'32	1°40'04		1492 Nov 08 j 17:31	30°♄♄	
minimum elong	1491 Nov 27 j 01:15	13°♄58'43	1°39'17	inferior conj	1492 Nov 10 j 10:41	27°♄40'24	0°50'49
min. Earth dist.	1491 Nov 27 j 04:58	13°♄45'52	0.67735 AU	minimum elong	1492 Nov 10 j 09:31	27°♄44'25	0°50'21
morning rise	1491 Dec 02 j 07:27	7°♄39'44		min. Earth dist.	1492 Nov 10 j 01:40	28°♄11'25	0.67768 AU
direct	1491 Dec 07 j 03:59	5°♄36'39		morning rise	1492 Nov 15 j 17:15	21°♄31'54	
morning max el	1491 Dec 16 j 23:36	11°♄25'22	22°44'10	direct	1492 Nov 19 j 23:16	19°♄51'39	
desc. node	1491 Dec 30 j 17:12	28°♄36'22		morning max el	1492 Nov 28 j 14:50	24°♄54'34	21°20'31
	1491 Dec 31 j 16:53	0°♄			1492 Dec 03 j 02:55	0°♄	
morning set	1492 Jan 20 j 03:31	29°♄48'57		desc. node	1492 Dec 16 j 14:13	18°♄36'19	
	1492 Jan 20 j 06:12	0°♄			1492 Dec 24 j 03:57	0°♄	
max. Earth dist.	1492 Jan 24 j 22:15	7°♄50'05	1.40171 AU	morning set	1492 Dec 29 j 17:21	8°♄38'37	
				max. Earth dist.	1493 Jan 05 j 23:30	20°♄19'12	1.42184 AU
superior conj	1492 Feb 01 j 16:46	21°♄32'37	-1°58'25		1493 Jan 11 j 18:19	0°♄	
minimum elong	1492 Feb 01 j 19:49	21°♄46'28	1°58'16				
	1492 Feb 06 j 06:36	0°♄		superior conj	1493 Jan 13 j 08:22	2°♄43'01	-2°04'12
evening rise	1492 Feb 11 j 12:52	9°♄57'12		minimum elong	1493 Jan 13 j 07:56	2°♄41'07	2°04'13

evening rise	1493 Jan 24 j 13:27	22° $\approx$ 38'59			1494 Jan 04 j 05:37	0° $\approx$	
	1493 Jan 28 j 15:01	0° $\text{H}$		evening rise	1494 Jan 06 j 20:34	4° $\approx$ 30'58	
asc. node	1493 Feb 03 j 22:17	10° $\text{H}$ 44'25		asc. node	1494 Jan 21 j 19:18	28° $\approx$ 47'37	
evening max el	1493 Feb 10 j 03:58	18° $\text{H}$ 54'49	18°08'38		1494 Jan 22 j 18:17	0° $\text{H}$	
retrograde	1493 Feb 16 j 21:29	22° $\text{H}$ 20'31		evening max el	1494 Jan 24 j 16:23	2° $\text{H}$ 08'11	18°11'21
evening set	1493 Feb 19 j 13:08	21° $\text{H}$ 48'56		retrograde	1494 Jan 31 j 03:37	5° $\text{H}$ 33'45	
inferior conj	1493 Feb 26 j 05:30	16° $\text{H}$ 54'01	3°33'04	evening set	1494 Feb 03 j 00:19	4° $\text{H}$ 51'49	
minimum elong	1493 Feb 26 j 07:34	16° $\text{H}$ 49'06	3°32'51		1494 Feb 08 j 20:06	30° $\text{R}$ $\approx$	
min. Earth dist.	1493 Mar 01 j 10:52	13° $\text{H}$ 52'22	0.60834 AU	inferior conj	1494 Feb 09 j 04:47	29° $\approx$ 36'49	3°45'12
morning rise	1493 Mar 05 j 00:08	11° $\text{H}$ 04'19		minimum elong	1494 Feb 09 j 04:50	29° $\approx$ 36'43	3°45'12
direct	1493 Mar 11 j 18:05	8° $\text{H}$ 50'35		min. Earth dist.	1494 Feb 11 j 21:25	26° $\approx$ 44'38	0.62879 AU
desc. node	1493 Mar 14 j 13:24	9° $\text{H}$ 12'17		morning rise	1494 Feb 15 j 08:19	23° $\approx$ 35'39	
morning max el	1493 Mar 25 j 23:48	16° $\text{H}$ 43'05	27°40'55	direct	1494 Feb 22 j 07:30	20° $\approx$ 55'45	
	1493 Apr 05 j 22:53	0° $\text{Y}$		desc. node	1494 Mar 01 j 10:27	23° $\approx$ 16'06	
	1493 Apr 23 j 17:55	0° $\text{B}$		morning max el	1494 Mar 08 j 06:01	28° $\approx$ 50'59	27°47'03
morning set	1493 Apr 27 j 08:01	7° $\text{B}$ 12'57			1494 Mar 09 j 09:02	0° $\text{H}$	
asc. node	1493 May 02 j 21:33	19° $\text{B}$ 02'24			1494 Mar 30 j 19:09	0° $\text{Y}$	
max. Earth dist.	1493 May 03 j 11:59	20° $\text{B}$ 21'03	1.32310 AU	morning set	1494 Apr 11 j 08:29	21° $\text{Y}$ 28'43	
					1494 Apr 15 j 11:35	0° $\text{B}$	
superior conj	1493 May 04 j 14:19	22° $\text{B}$ 45'01	0°17'54	max. Earth dist.	1494 Apr 16 j 19:04	2° $\text{B}$ 47'02	1.32785 AU
minimum elong	1493 May 04 j 13:31	22° $\text{B}$ 40'35	0°17'43				
	1493 May 07 j 21:44	0° $\text{II}$		superior conj	1494 Apr 18 j 23:04	7° $\text{B}$ 26'13	-0°08'35
evening rise	1493 May 11 j 11:25	7° $\text{II}$ 41'52		minimum elong	1494 Apr 18 j 23:28	7° $\text{B}$ 28'27	0°08'30
	1493 May 23 j 02:30	0° $\text{E}$		behind sun begin	1494 Apr 18 j 19:02	7° $\text{B}$ 04'26	
evening max el	1493 Jun 07 j 03:19	20° $\text{E}$ 02'16	25°12'44	behind sun end	1494 Apr 19 j 03:55	7° $\text{B}$ 52'29	
desc. node	1493 Jun 10 j 12:38	22° $\text{E}$ 57'14		asc. node	1494 Apr 19 j 18:34	9° $\text{B}$ 11'45	
retrograde	1493 Jun 21 j 03:34	27° $\text{E}$ 10'01		evening rise	1494 Apr 25 j 23:14	22° $\text{B}$ 33'20	
evening set	1493 Jun 26 j 16:07	25° $\text{E}$ 59'26			1494 Apr 29 j 13:40	0° $\text{II}$	
min. Earth dist.	1493 Jul 01 j 15:05	23° $\text{E}$ 14'50	0.57719 AU		1494 May 19 j 01:49	0° $\text{E}$	
inferior conj	1493 Jul 04 j 17:25	21° $\text{E}$ 08'02	-4°53'48	evening max el	1494 May 19 j 17:24	0° $\text{E}$ 38'22	23°40'17
minimum elong	1493 Jul 04 j 16:10	21° $\text{E}$ 10'10	4°53'45	desc. node	1494 May 28 j 09:40	6° $\text{E}$ 32'44	
morning rise	1493 Jul 12 j 18:51	16° $\text{E}$ 54'48		retrograde	1494 Jun 02 j 09:59	7° $\text{E}$ 29'48	
direct	1493 Jul 15 j 08:13	16° $\text{E}$ 35'18		evening set	1494 Jun 06 j 11:17	6° $\text{E}$ 53'40	
morning max el	1493 Jul 24 j 01:48	20° $\text{E}$ 41'14	19°00'34	min. Earth dist.	1494 Jun 13 j 03:56	3° $\text{E}$ 45'34	0.56056 AU
asc. node	1493 Jul 29 j 20:47	27° $\text{E}$ 45'59		inferior conj	1494 Jun 15 j 08:37	2° $\text{E}$ 26'14	-4°21'44
	1493 Jul 31 j 07:35	0° $\text{O}$		minimum elong	1494 Jun 15 j 02:21	2° $\text{E}$ 35'44	4°20'38
morning set	1493 Aug 09 j 19:02	17° $\text{O}$ 22'52			1494 Jun 19 j 16:49	30° $\text{R}$ $\text{II}$	
	1493 Aug 16 j 04:38	0° $\text{P}$		morning rise	1494 Jun 23 j 20:04	28° $\text{II}$ 29'24	
				direct	1494 Jun 26 j 13:30	28° $\text{II}$ 10'42	
superior conj	1493 Aug 18 j 04:14	3° $\text{P}$ 50'15	1°43'22		1494 Jul 02 j 22:00	0° $\text{E}$	
minimum elong	1493 Aug 18 j 05:47	3° $\text{P}$ 57'40	1°43'18	morning max el	1494 Jul 06 j 18:31	2° $\text{E}$ 54'29	20°04'36
max. Earth dist.	1493 Aug 24 j 22:21	16° $\text{P}$ 24'22	1.38750 AU	asc. node	1494 Jul 16 j 17:48	16° $\text{E}$ 16'16	
evening rise	1493 Aug 28 j 18:53	23° $\text{P}$ 12'06			1494 Jul 24 j 00:24	0° $\text{O}$	
	1493 Sep 01 j 19:21	0° $\text{A}$		morning set	1494 Jul 24 j 23:04	1° $\text{O}$ 54'36	
desc. node	1493 Sep 06 j 11:57	7° $\text{A}$ 35'18					
	1493 Sep 21 j 20:49	0° $\text{M}$		superior conj	1494 Aug 01 j 17:07	17° $\text{O}$ 42'11	1°45'59
evening max el	1493 Oct 03 j 07:32	13° $\text{M}$ 32'36	24°34'42	minimum elong	1494 Aug 01 j 16:52	17° $\text{O}$ 40'55	1°45'59
retrograde	1493 Oct 14 j 18:00	20° $\text{M}$ 13'17		max. Earth dist.	1494 Aug 07 j 03:14	28° $\text{O}$ 18'58	1.36790 AU
evening set	1493 Oct 20 j 05:58	17° $\text{M}$ 54'49			1494 Aug 08 j 00:35	0° $\text{P}$	
min. Earth dist.	1493 Oct 24 j 21:20	12° $\text{M}$ 36'40	0.67471 AU	evening rise	1494 Aug 11 j 00:22	5° $\text{P}$ 32'19	
inferior conj	1493 Oct 25 j 16:50	11° $\text{M}$ 31'38	-0°02'45	desc. node	1494 Aug 24 j 08:59	27° $\text{P}$ 58'25	
minimum elong	1493 Oct 25 j 16:53	11° $\text{M}$ 31'25	0°02'42		1494 Aug 25 j 16:41	0° $\text{A}$	
transit middle	1493 Oct 25 j 16:53	11° $\text{M}$ 31'25	0°02'42	evening max el	1494 Sep 15 j 19:28	27° $\text{A}$ 12'01	25°46'45
transit begin	1493 Oct 25 j 14:11	11° $\text{M}$ 40'28			1494 Sep 18 j 22:16	0° $\text{M}$	
transit end	1493 Oct 25 j 19:36	11° $\text{M}$ 22'23		retrograde	1494 Sep 28 j 03:34	4° $\text{M}$ 14'52	
asc. node	1493 Oct 25 j 20:01	11° $\text{M}$ 21'00		evening set	1494 Oct 04 j 05:54	1° $\text{M}$ 42'00	
morning rise	1493 Oct 31 j 03:53	5° $\text{M}$ 28'50			1494 Oct 06 j 00:15	30° $\text{R}$ $\text{A}$	
direct	1493 Nov 03 j 20:57	4° $\text{M}$ 09'42		min. Earth dist.	1494 Oct 08 j 13:34	26° $\text{A}$ 59'19	0.66844 AU
morning max el	1493 Nov 11 j 13:27	8° $\text{M}$ 34'03	20°07'34	inferior conj	1494 Oct 09 j 19:59	25° $\text{A}$ 22'49	-0°59'15
	1493 Nov 27 j 13:35	0° $\text{X}$		minimum elong	1494 Oct 09 j 21:31	25° $\text{A}$ 17'57	0°58'36
desc. node	1493 Dec 03 j 11:14	8° $\text{X}$ 54'42		asc. node	1494 Oct 12 j 17:02	21° $\text{A}$ 56'03	
morning set	1493 Dec 08 j 13:57	16° $\text{X}$ 45'45		morning rise	1494 Oct 15 j 13:24	19° $\text{A}$ 28'29	
	1493 Dec 17 j 00:59	0° $\text{Z}$		direct	1494 Oct 18 j 19:32	18° $\text{A}$ 27'23	
max. Earth dist.	1493 Dec 19 j 08:15	3° $\text{Z}$ 40'03	1.43804 AU	morning max el	1494 Oct 25 j 19:38	22° $\text{A}$ 23'07	19°08'52
					1494 Nov 01 j 00:24	0° $\text{M}$	
superior conj	1493 Dec 24 j 22:07	12° $\text{Z}$ 41'42	-1°54'13	morning set	1494 Nov 17 j 18:14	25° $\text{M}$ 24'19	
minimum elong	1493 Dec 24 j 16:23	12° $\text{Z}$ 18'13	1°53'53	desc. node	1494 Nov 20 j 08:16	29° $\text{M}$ 26'21	

	1494 Nov 20 j 16:53	0°♄		superior conj	1495 Nov 13 j 12:10	0°♄02'04	-0°41'03
max. Earth dist.	1494 Dec 01 j 23:41	17°♄40'56	1.44822 AU	minimum elong	1495 Nov 13 j 06:51	29°♄41'10	0°40'21
				max. Earth dist.	1495 Nov 14 j 18:38	2°♄01'49	1.45119 AU
superior conj	1494 Dec 04 j 11:07	21°♄35'44	-1°25'22	evening rise	1495 Nov 29 j 16:17	25°♄26'19	
minimum elong	1494 Dec 04 j 02:24	21°♄01'12	1°24'28		1495 Dec 02 j 13:43	0°♄	
	1494 Dec 09 j 17:45	0°♄		greatest brilliancy	1495 Dec 09 j 17:24	11°♄13'24	-0.8m
evening rise	1494 Dec 19 j 06:10	15°♄27'18		evening max el	1495 Dec 22 j 13:52	28°♄58'46	19°11'17
	1494 Dec 28 j 03:11	0°♄			1495 Dec 23 j 14:59	0°♄	
evening max el	1495 Jan 08 j 04:30	15°♄31'23	18°32'35	asc. node	1495 Dec 26 j 13:24	2°♄09'22	
asc. node	1495 Jan 08 j 16:20	16°♄00'41		retrograde	1495 Dec 29 j 13:57	2°♄58'58	
retrograde	1495 Jan 14 j 18:17	19°♄08'58		evening set	1496 Jan 01 j 22:32	1°♄53'16	
evening set	1495 Jan 17 j 20:25	18°♄15'42			1496 Jan 04 j 04:23	30°♄	
inferior conj	1495 Jan 23 j 16:20	12°♄42'04	3°38'12	inferior conj	1496 Jan 07 j 12:37	26°♄03'13	3°17'12
minimum elong	1495 Jan 23 j 14:49	12°♄46'33	3°38'03	minimum elong	1496 Jan 07 j 10:13	26°♄10'53	3°16'43
min. Earth dist.	1495 Jan 25 j 17:27	10°♄17'04	0.64637 AU	min. Earth dist.	1496 Jan 08 j 22:33	24°♄15'02	0.66005 AU
morning rise	1495 Jan 29 j 08:44	6°♄34'21		morning rise	1496 Jan 12 j 21:39	19°♄51'45	
direct	1495 Feb 05 j 04:15	3°♄43'00		direct	1496 Jan 19 j 07:13	17°♄02'54	
desc. node	1495 Feb 16 j 07:29	9°♄19'49		morning max el	1496 Feb 01 j 00:55	24°♄34'13	26°19'57
morning max el	1495 Feb 18 j 15:11	11°♄31'52	27°17'53	desc. node	1496 Feb 03 j 04:32	26°♄49'58	
	1495 Mar 05 j 07:59	0°♄			1496 Feb 05 j 22:57	0°♄	
	1495 Mar 23 j 06:41	0°♄			1496 Feb 26 j 18:22	0°♄	
morning set	1495 Mar 26 j 00:21	5°♄14'51		morning set	1496 Mar 08 j 03:58	18°♄20'21	
max. Earth dist.	1495 Mar 30 j 17:51	14°♄43'48	1.33694 AU	max. Earth dist.	1496 Mar 12 j 05:34	26°♄08'12	1.35054 AU
					1496 Mar 14 j 04:25	0°♄	
superior conj	1495 Apr 03 j 03:31	21°♄49'51	-0°36'10				
minimum elong	1495 Apr 03 j 05:19	21°♄59'22	0°35'48	superior conj	1496 Mar 17 j 01:22	5°♄48'56	-1°03'36
asc. node	1495 Apr 06 j 15:37	29°♄17'04		minimum elong	1496 Mar 17 j 04:31	6°♄05'01	1°03'02
	1495 Apr 06 j 23:40	0°♄		asc. node	1496 Mar 23 j 12:42	19°♄14'11	
evening rise	1495 Apr 10 j 10:14	7°♄17'36		evening rise	1496 Mar 24 j 18:32	21°♄48'24	
	1495 Apr 22 j 14:13	0°♄			1496 Mar 28 j 20:13	0°♄	
evening max el	1495 May 01 j 10:09	11°♄11'30	22°05'02	evening max el	1496 Apr 12 j 12:04	22°♄09'51	20°39'55
retrograde	1495 May 14 j 04:01	17°♄28'01		retrograde	1496 Apr 23 j 17:09	27°♄36'21	
desc. node	1495 May 15 j 06:42	17°♄25'13		evening set	1496 Apr 25 j 19:55	27°♄25'30	
evening set	1495 May 16 j 22:17	17°♄11'06		desc. node	1496 May 01 j 03:44	25°♄35'29	
min. Earth dist.	1495 May 25 j 15:44	13°♄27'23	0.55082 AU	inferior conj	1496 May 05 j 01:38	23°♄27'44	-1°08'09
inferior conj	1495 May 26 j 07:35	13°♄05'09	-3°02'14	minimum elong	1496 May 04 j 22:25	23°♄32'22	1°06'58
minimum elong	1495 May 26 j 00:05	13°♄15'41	2°59'59	min. Earth dist.	1496 May 06 j 04:23	22°♄49'21	0.55020 AU
morning rise	1495 Jun 04 j 03:26	9°♄11'53		morning rise	1496 May 14 j 00:13	19°♄18'43	
direct	1495 Jun 07 j 03:40	8°♄51'40		direct	1496 May 17 j 13:45	18°♄51'22	
morning max el	1495 Jun 18 j 23:48	14°♄23'56	21°28'28	morning max el	1496 May 30 j 19:32	25°♄14'50	23°06'39
	1495 Jun 30 j 15:35	0°♄			1496 Jun 04 j 05:41	0°♄	
asc. node	1495 Jul 03 j 14:51	5°♄20'52		asc. node	1496 Jun 19 j 11:56	24°♄51'13	
morning set	1495 Jul 09 j 07:36	16°♄40'42			1496 Jun 22 j 00:24	0°♄	
	1495 Jul 15 j 16:01	0°♄		morning set	1496 Jun 22 j 18:43	1°♄35'44	
superior conj	1495 Jul 16 j 15:44	2°♄03'43	1°41'09				
minimum elong	1495 Jul 16 j 14:11	1°♄55'42	1°41'04	superior conj	1496 Jun 29 j 20:59	16°♄45'53	1°30'22
max. Earth dist.	1495 Jul 20 j 15:06	10°♄11'46	1.35106 AU	minimum elong	1496 Jun 29 j 18:44	16°♄33'50	1°30'07
evening rise	1495 Jul 24 j 23:53	18°♄44'56		max. Earth dist.	1496 Jul 02 j 12:14	22°♄21'07	1.33793 AU
	1495 Jul 31 j 03:22	0°♄			1496 Jul 06 j 05:21	0°♄	
desc. node	1495 Aug 11 j 06:01	18°♄02'44		evening rise	1496 Jul 07 j 12:57	2°♄37'59	
	1495 Aug 19 j 19:48	0°♄			1496 Jul 22 j 23:40	0°♄	
evening max el	1495 Aug 29 j 07:41	10°♄48'21	26°43'45	desc. node	1496 Jul 28 j 03:03	7°♄40'17	
retrograde	1495 Sep 11 j 07:51	18°♄02'58		evening max el	1496 Aug 10 j 19:32	24°♄11'59	27°18'18
evening set	1495 Sep 17 j 23:25	15°♄20'35			1496 Aug 18 j 13:55	0°♄	
min. Earth dist.	1495 Sep 21 j 23:51	11°♄14'44	0.65874 AU	retrograde	1496 Aug 24 j 06:32	1°♄30'34	
inferior conj	1495 Sep 23 j 18:09	9°♄09'41	-1°57'06		1496 Aug 29 j 12:55	30°♄	
minimum elong	1495 Sep 23 j 21:14	9°♄00'32	1°55'53	evening set	1496 Aug 31 j 07:58	28°♄46'54	
morning rise	1495 Sep 29 j 19:38	3°♄27'01		min. Earth dist.	1496 Sep 04 j 02:00	25°♄16'58	0.64549 AU
asc. node	1495 Sep 29 j 14:05	3°♄34'41		inferior conj	1496 Sep 06 j 09:04	22°♄48'11	-2°54'02
direct	1495 Oct 02 j 17:05	2°♄40'21		minimum elong	1496 Sep 06 j 13:32	22°♄36'04	2°52'31
morning max el	1495 Oct 09 j 07:44	6°♄17'20	18°26'06	morning rise	1496 Sep 12 j 20:03	17°♄20'25	
	1495 Oct 25 j 16:21	0°♄		direct	1496 Sep 15 j 11:10	16°♄44'35	
morning set	1495 Oct 29 j 00:24	5°♄22'49		asc. node	1496 Sep 15 j 11:08	16°♄44'35	
desc. node	1495 Nov 07 j 05:18	20°♄06'29		morning max el	1496 Sep 21 j 23:16	20°♄11'54	18°00'09
	1495 Nov 13 j 11:38	0°♄			1496 Sep 29 j 08:17	0°♄	
				morning set	1496 Oct 09 j 11:11	16°♄45'18	
					1496 Oct 17 j 09:39	0°♄	

superior conj	1496 Oct 22 j 23:02	9° $\mathbb{M}$ 02'23	0°07'39		1497 Sep 22 j 07:35	0° $\underline{\mathbf{a}}$	
minimum elong	1496 Oct 22 j 23:57	9° $\mathbb{M}$ 06'02	0°07'32				
behind sun begin	1496 Oct 22 j 14:38	8° $\mathbb{M}$ 28'32		superior conj	1497 Oct 03 j 10:35	19° $\underline{\mathbf{a}}$ 16'31	0°49'35
behind sun end	1496 Oct 23 j 09:16	9° $\mathbb{M}$ 43'29		minimum elong	1497 Oct 03 j 14:55	19° $\underline{\mathbf{a}}$ 34'46	0°49'01
desc. node	1496 Oct 24 j 02:20	10° $\mathbb{M}$ 51'56			1497 Oct 09 j 22:46	0° $\mathbb{M}$	
max. Earth dist.	1496 Oct 27 j 13:26	16° $\mathbb{M}$ 22'44	1.44675 AU	max. Earth dist.	1497 Oct 10 j 04:51	0° $\mathbb{M}$ 24'36	1.43555 AU
	1496 Nov 05 j 06:18	0° $\mathbb{A}$		desc. node	1497 Oct 10 j 23:22	1° $\mathbb{M}$ 39'11	
evening rise	1496 Nov 08 j 06:54	4° $\mathbb{A}$ 40'34		evening rise	1497 Oct 18 j 14:51	13° $\mathbb{M}$ 42'54	
greatest brilliancy	1496 Nov 22 j 11:46	26° $\mathbb{A}$ 13'53	-0.6m		1497 Oct 29 j 08:36	0° $\mathbb{A}$	
	1496 Nov 25 j 01:49	0° $\mathbb{B}$		evening max el	1497 Nov 17 j 17:48	25° $\mathbb{A}$ 57'22	21°13'12
evening max el	1496 Dec 04 j 18:38	12° $\mathbb{B}$ 27'41	20°05'43		1497 Nov 22 j 16:46	0° $\mathbb{B}$	
retrograde	1496 Dec 12 j 11:44	16° $\mathbb{B}$ 59'00		retrograde	1497 Nov 26 j 09:19	1° $\mathbb{B}$ 05'30	
asc. node	1496 Dec 12 j 10:27	16° $\mathbb{B}$ 58'59		asc. node	1497 Nov 29 j 07:28	0° $\mathbb{B}$ 17'51	
evening set	1496 Dec 16 j 04:19	15° $\mathbb{B}$ 39'32			1497 Nov 29 j 19:22	30° $\mathbb{R}$ $\mathbb{A}$	
inferior conj	1496 Dec 21 j 14:47	9° $\mathbb{B}$ 35'58	2°45'40	evening set	1497 Nov 30 j 11:48	29° $\mathbb{A}$ 30'41	
minimum elong	1496 Dec 21 j 12:07	9° $\mathbb{B}$ 44'56	2°44'55	inferior conj	1497 Dec 05 j 20:31	23° $\mathbb{A}$ 16'55	2°05'58
min. Earth dist.	1496 Dec 22 j 11:03	8° $\mathbb{B}$ 27'57	0.66969 AU	minimum elong	1497 Dec 05 j 18:05	23° $\mathbb{A}$ 25'16	2°05'08
morning rise	1496 Dec 26 j 19:44	3° $\mathbb{B}$ 22'42		min. Earth dist.	1497 Dec 06 j 04:40	22° $\mathbb{A}$ 48'48	0.67551 AU
direct	1497 Jan 01 j 15:49	0° $\mathbb{B}$ 46'56		morning rise	1497 Dec 11 j 00:11	17° $\mathbb{A}$ 03'51	
morning max el	1497 Jan 13 j 09:46	7° $\mathbb{B}$ 47'14	25°02'13	direct	1497 Dec 16 j 05:22	14° $\mathbb{A}$ 47'42	
desc. node	1497 Jan 20 j 01:34	15° $\mathbb{B}$ 21'36		morning max el	1497 Dec 26 j 18:25	21° $\mathbb{A}$ 04'42	23°34'53
	1497 Jan 30 j 19:07	0° $\approx$			1498 Jan 03 j 10:39	0° $\mathbb{B}$	
	1497 Feb 18 j 07:22	0° $\mathbb{H}$		desc. node	1498 Jan 06 j 22:36	4° $\mathbb{B}$ 36'54	
morning set	1497 Feb 18 j 14:15	0° $\mathbb{H}$ 30'44			1498 Jan 24 j 01:29	0° $\approx$	
max. Earth dist.	1497 Feb 22 j 06:16	7° $\mathbb{H}$ 11'15	1.36841 AU	morning set	1498 Jan 31 j 01:01	11° $\approx$ 29'18	
				max. Earth dist.	1498 Feb 04 j 01:02	18° $\approx$ 23'36	1.38923 AU
superior conj	1497 Feb 28 j 13:38	19° $\mathbb{H}$ 15'01	-1°29'02		1498 Feb 10 j 11:07	0° $\mathbb{H}$	
minimum elong	1497 Feb 28 j 17:42	19° $\mathbb{H}$ 35'01	1°28'29				
	1497 Mar 05 j 22:44	0° $\mathbb{Y}$		superior conj	1498 Feb 11 j 12:29	1° $\mathbb{H}$ 58'20	-1°49'53
evening rise	1497 Mar 08 j 21:50	5° $\mathbb{Y}$ 58'33		minimum elong	1498 Feb 11 j 16:26	2° $\mathbb{H}$ 16'49	1°49'34
asc. node	1497 Mar 10 j 09:46	8° $\mathbb{Y}$ 58'03		evening rise	1498 Feb 20 j 17:27	19° $\mathbb{H}$ 40'51	
	1497 Mar 22 j 17:08	0° $\mathbb{B}$		asc. node	1498 Feb 25 j 06:49	28° $\mathbb{H}$ 23'30	
evening max el	1497 Mar 26 j 01:38	3° $\mathbb{B}$ 46'45	19°32'00		1498 Feb 26 j 03:43	0° $\mathbb{Y}$	
retrograde	1497 Apr 04 j 13:32	8° $\mathbb{B}$ 21'34		evening max el	1498 Mar 09 j 01:37	16° $\mathbb{Y}$ 01'47	18°43'53
evening set	1497 Apr 06 j 15:12	8° $\mathbb{B}$ 09'28		retrograde	1498 Mar 17 j 02:33	19° $\mathbb{Y}$ 56'37	
inferior conj	1497 Apr 15 j 05:17	4° $\mathbb{B}$ 04'33	0°48'04	evening set	1498 Mar 19 j 09:29	19° $\mathbb{Y}$ 38'46	
minimum elong	1497 Apr 15 j 07:17	4° $\mathbb{B}$ 01'20	0°47'22	inferior conj	1498 Mar 27 j 04:07	15° $\mathbb{Y}$ 16'48	2°18'29
min. Earth dist.	1497 Apr 17 j 18:52	2° $\mathbb{B}$ 26'14	0.55906 AU	minimum elong	1498 Mar 27 j 08:12	15° $\mathbb{Y}$ 09'10	2°17'22
desc. node	1497 Apr 18 j 00:47	2° $\mathbb{B}$ 17'05		min. Earth dist.	1498 Mar 30 j 12:05	12° $\mathbb{Y}$ 48'58	0.57550 AU
	1497 Apr 22 j 06:52	30° $\mathbb{R}$ $\mathbb{Y}$		morning rise	1498 Apr 04 j 03:48	10° $\mathbb{Y}$ 02'52	
morning rise	1497 Apr 23 j 20:38	29° $\mathbb{Y}$ 23'51		desc. node	1498 Apr 04 j 21:48	9° $\mathbb{Y}$ 43'52	
direct	1497 Apr 28 j 08:38	28° $\mathbb{Y}$ 38'10		direct	1498 Apr 09 j 17:47	8° $\mathbb{Y}$ 46'00	
	1497 May 04 j 08:43	0° $\mathbb{B}$		morning max el	1498 Apr 24 j 02:13	16° $\mathbb{Y}$ 18'35	26°17'18
morning max el	1497 May 12 j 10:24	5° $\mathbb{B}$ 44'03	24°47'59		1498 May 05 j 06:02	0° $\mathbb{B}$	
	1497 May 29 j 20:50	0° $\mathbb{H}$			1498 May 22 j 01:11	0° $\mathbb{H}$	
asc. node	1497 Jun 06 j 09:00	14° $\mathbb{H}$ 39'19		morning set	1498 May 22 j 17:42	1° $\mathbb{H}$ 26'35	
morning set	1497 Jun 07 j 06:38	16° $\mathbb{H}$ 32'50		asc. node	1498 May 24 j 06:04	4° $\mathbb{H}$ 39'35	
	1497 Jun 13 j 12:05	0° $\mathbb{E}$					
superior conj	1497 Jun 14 j 06:18	1° $\mathbb{E}$ 39'16	1°14'44	superior conj	1498 May 29 j 17:42	16° $\mathbb{H}$ 37'11	0°55'07
minimum elong	1497 Jun 14 j 03:53	1° $\mathbb{E}$ 26'04	1°14'21	minimum elong	1498 May 29 j 15:35	16° $\mathbb{H}$ 25'34	0°54'42
max. Earth dist.	1497 Jun 15 j 17:29	4° $\mathbb{E}$ 50'15	1.32880 AU	max. Earth dist.	1498 May 30 j 04:05	17° $\mathbb{H}$ 34'15	1.32363 AU
evening rise	1497 Jun 21 j 11:36	16° $\mathbb{E}$ 59'02			1498 Jun 04 j 22:01	0° $\mathbb{E}$	
	1497 Jun 28 j 04:05	0° $\mathbb{Q}$		evening rise	1498 Jun 05 j 16:51	1° $\mathbb{E}$ 38'43	
desc. node	1497 Jul 15 j 00:04	26° $\mathbb{Q}$ 38'45			1498 Jun 21 j 03:27	0° $\mathbb{Q}$	
	1497 Jul 17 j 15:33	0° $\mathbb{P}$		desc. node	1498 Jul 01 j 21:05	14° $\mathbb{Q}$ 41'54	
evening max el	1497 Jul 24 j 05:07	7° $\mathbb{P}$ 09'43	27°24'17	evening max el	1498 Jul 06 j 10:10	19° $\mathbb{Q}$ 29'56	26°57'37
retrograde	1497 Aug 06 j 23:07	14° $\mathbb{P}$ 27'28		retrograde	1498 Jul 20 j 08:31	26° $\mathbb{Q}$ 44'23	
evening set	1497 Aug 14 j 04:11	11° $\mathbb{P}$ 54'25		evening set	1498 Jul 27 j 07:44	24° $\mathbb{Q}$ 35'45	
min. Earth dist.	1497 Aug 17 j 18:21	8° $\mathbb{P}$ 55'00	0.62873 AU	min. Earth dist.	1498 Jul 31 j 00:22	21° $\mathbb{Q}$ 55'29	0.60922 AU
inferior conj	1497 Aug 20 j 13:54	6° $\mathbb{P}$ 11'19	-3°46'41	inferior conj	1498 Aug 03 j 05:25	19° $\mathbb{Q}$ 11'12	-4°29'27
minimum elong	1497 Aug 20 j 19:07	5° $\mathbb{P}$ 58'40	3°45'17	minimum elong	1498 Aug 03 j 09:55	19° $\mathbb{Q}$ 01'32	4°28'41
morning rise	1497 Aug 27 j 11:25	1° $\mathbb{P}$ 01'38		morning rise	1498 Aug 10 j 13:53	14° $\mathbb{Q}$ 22'23	
direct	1497 Aug 29 j 22:46	0° $\mathbb{P}$ 33'22		direct	1498 Aug 13 j 00:12	13° $\mathbb{Q}$ 58'54	
asc. node	1497 Sep 02 j 08:11	1° $\mathbb{P}$ 27'49		morning max el	1498 Aug 20 j 04:35	17° $\mathbb{Q}$ 32'10	18°02'34
morning max el	1497 Sep 05 j 15:14	3° $\mathbb{P}$ 59'22	17°51'57	asc. node	1498 Aug 20 j 05:14	17° $\mathbb{Q}$ 33'45	
morning set	1497 Sep 21 j 21:25	29° $\mathbb{P}$ 15'02			1498 Aug 29 j 02:05	0° $\mathbb{P}$	
				morning set	1498 Sep 05 j 01:00	12° $\mathbb{P}$ 34'46	

	1498 Sep 14 j 13:46	0°♄		morning max el	1499 Aug 03 j 12:12	0°♄41'42	18°33'20
				asc. node	1499 Aug 07 j 02:17	4°♄47'18	
superior conj	1498 Sep 15 j 00:57	0°♄49'38	1°19'44	morning set	1499 Aug 19 j 16:56	26°♄30'52	
minimum elong	1498 Sep 15 j 05:19	1°♄08'56	1°19'15		1499 Aug 21 j 12:09	0°♄	
max. Earth dist.	1498 Sep 22 j 15:26	13°♄53'56	1.41906 AU				
desc. node	1498 Sep 27 j 20:22	22°♄24'56		superior conj	1499 Aug 28 j 13:48	13°♄29'46	1°37'48
evening rise	1498 Sep 28 j 09:38	23°♄18'01		minimum elong	1499 Aug 28 j 16:30	13°♄42'20	1°37'37
	1498 Oct 02 j 15:41	0°♄		max. Earth dist.	1499 Sep 04 j 21:26	26°♄42'55	1.39936 AU
	1498 Oct 23 j 10:28	0°♄			1499 Sep 06 j 19:02	0°♄	
evening max el	1498 Oct 31 j 11:38	9°♄28'41	22°29'38	evening rise	1499 Sep 09 j 02:36	3°♄55'27	
retrograde	1498 Nov 10 j 04:53	15°♄15'15		desc. node	1499 Sep 14 j 17:24	13°♄05'55	
evening set	1498 Nov 14 j 19:17	13°♄23'40			1499 Sep 25 j 21:00	0°♄	
asc. node	1498 Nov 16 j 04:30	12°♄05'42		evening max el	1499 Oct 14 j 01:34	23°♄03'34	23°49'34
inferior conj	1498 Nov 20 j 03:46	7°♄03'19	1°19'47	retrograde	1499 Oct 24 j 21:16	29°♄25'53	
minimum elong	1498 Nov 20 j 02:02	7°♄09'19	1°19'07	evening set	1499 Oct 30 j 01:11	27°♄16'54	
min. Earth dist.	1498 Nov 20 j 00:53	7°♄13'15	0.67786 AU	asc. node	1499 Nov 03 j 01:30	22°♄46'15	
morning rise	1498 Nov 25 j 08:38	0°♄52'30		inferior conj	1499 Nov 04 j 10:49	20°♄53'44	0°28'35
	1498 Nov 26 j 13:37	30°♄		minimum elong	1499 Nov 04 j 10:08	20°♄56'03	0°28'17
direct	1498 Nov 29 j 22:55	28°♄58'57		min. Earth dist.	1499 Nov 03 j 21:23	21°♄39'24	0.67689 AU
	1498 Dec 03 j 15:06	0°♄		morning rise	1499 Nov 09 j 19:03	14°♄47'29	
morning max el	1498 Dec 09 j 06:02	4°♄27'37	22°07'34	direct	1499 Nov 13 j 19:28	13°♄16'22	
desc. node	1498 Dec 24 j 19:36	24°♄23'01		morning max el	1499 Nov 22 j 00:13	18°♄01'10	20°47'54
	1498 Dec 28 j 16:02	0°♄			1499 Dec 01 j 16:22	0°♄	
morning set	1499 Jan 11 j 06:52	21°♄02'49		desc. node	1499 Dec 11 j 16:38	14°♄31'49	
	1499 Jan 16 j 17:32	0°♄		morning set	1499 Dec 21 j 10:51	29°♄26'22	
max. Earth dist.	1499 Jan 16 j 22:19	0°♄20'01	1.41056 AU		1499 Dec 21 j 19:28	0°♄	
				max. Earth dist.	1499 Dec 30 j 03:14	13°♄14'09	1.42943 AU
superior conj	1499 Jan 24 j 16:59	13°♄46'06	-2°02'31				
minimum elong	1499 Jan 24 j 18:52	13°♄54'28	2°02'27	superior conj	1500 Jan 05 j 21:56	24°♄26'26	-2°02'10
	1499 Feb 02 j 14:17	0°♄		minimum elong	1500 Jan 05 j 19:19	24°♄15'25	2°02'05
evening rise	1499 Feb 04 j 02:01	2°♄46'30			1500 Jan 09 j 04:24	0°♄	
asc. node	1499 Feb 12 j 03:50	17°♄23'26		evening rise	1500 Jan 17 j 19:39	15°♄07'46	
evening max el	1499 Feb 20 j 08:53	28°♄46'05	18°15'51		1500 Jan 26 j 07:57	0°♄	
	1499 Feb 21 j 18:08	0°♄		asc. node	1500 Jan 30 j 00:50	5°♄49'56	
retrograde	1499 Feb 27 j 10:20	2°♄17'37		evening max el	1500 Feb 03 j 20:13	11°♄50'41	18°07'27
evening set	1499 Mar 01 j 23:10	1°♄51'19		retrograde	1500 Feb 10 j 09:47	15°♄14'40	
	1499 Mar 05 j 10:44	30°♄		evening set	1500 Feb 13 j 03:40	14°♄38'39	
inferior conj	1499 Mar 09 j 00:02	27°♄08'26	3°14'45	inferior conj	1500 Feb 19 j 14:29	9°♄34'44	3°40'58
minimum elong	1499 Mar 09 j 03:14	27°♄01'28	3°14'12	minimum elong	1500 Feb 19 j 15:40	9°♄31'46	3°40'53
min. Earth dist.	1499 Mar 12 j 09:46	24°♄12'07	0.59607 AU	min. Earth dist.	1500 Feb 22 j 14:53	6°♄34'49	0.61731 AU
morning rise	1499 Mar 16 j 04:59	21°♄29'19		morning rise	1500 Feb 26 j 02:15	3°♄39'29	
direct	1499 Mar 22 j 15:36	19°♄35'32		direct	1500 Mar 03 j 23:35	1°♄13'22	
desc. node	1499 Mar 22 j 18:49	19°♄35'35		desc. node	1500 Mar 08 j 15:51	2°♄13'52	
morning max el	1499 Apr 05 j 23:14	27°♄22'16	27°20'22	morning max el	1500 Mar 18 j 02:36	9°♄07'07	27°48'12
	1499 Apr 08 j 11:48	0°♄			1500 Apr 03 j 05:28	0°♄	
	1499 Apr 28 j 19:42	0°♄			1500 Apr 19 j 22:34	0°♄	
morning set	1499 May 07 j 02:15	16°♄11'06		morning set	1500 Apr 20 j 06:20	0°♄39'39	
asc. node	1499 May 11 j 03:06	24°♄46'52		max. Earth dist.	1500 Apr 26 j 02:54	13°♄01'26	1.32464 AU
max. Earth dist.	1499 May 13 j 16:32	0°♄22'36	1.32223 AU	asc. node	1500 Apr 27 j 00:08	14°♄56'40	
	1499 May 13 j 12:25	0°♄					
superior conj	1499 May 14 j 05:24	1°♄33'18	0°32'15	superior conj	1500 Apr 27 j 15:44	16°♄21'34	0°06'53
minimum elong	1499 May 14 j 04:01	1°♄25'40	0°31'57	minimum elong	1500 Apr 27 j 15:24	16°♄19'48	0°06'49
evening rise	1499 May 21 j 02:15	16°♄28'48		behind sun begin	1500 Apr 27 j 10:45	15°♄54'27	
	1499 May 27 j 19:53	0°♄		behind sun end	1500 Apr 27 j 20:03	16°♄45'11	
	1499 Jun 17 j 06:18	0°♄			1500 May 03 j 22:21	0°♄	
evening max el	1499 Jun 18 j 08:33	1°♄04'26	25°58'44	evening rise	1500 May 04 j 13:43	1°♄21'46	
desc. node	1499 Jun 18 j 18:06	1°♄26'58			1500 May 20 j 06:19	0°♄	
retrograde	1499 Jul 02 j 08:51	8°♄14'49		evening max el	1500 May 30 j 00:16	11°♄55'48	24°34'43
evening set	1499 Jul 08 j 13:58	6°♄41'48		desc. node	1500 Jun 04 j 15:07	16°♄22'27	
min. Earth dist.	1499 Jul 12 j 21:05	4°♄04'07	0.58860 AU	retrograde	1500 Jun 12 j 22:14	18°♄58'13	
inferior conj	1499 Jul 16 j 04:01	1°♄38'07	-4°53'25	evening set	1500 Jun 17 j 20:39	18°♄03'25	
minimum elong	1499 Jul 16 j 05:33	1°♄35'16	4°53'21	min. Earth dist.	1500 Jun 23 j 11:23	15°♄10'40	0.56951 AU
	1499 Jul 18 j 10:25	30°♄		inferior conj	1500 Jun 26 j 06:46	13°♄22'19	-4°45'48
morning rise	1499 Jul 23 j 23:20	27°♄12'01		minimum elong	1500 Jun 26 j 03:15	13°♄28'01	4°45'29
direct	1499 Jul 26 j 11:12	26°♄51'18		morning rise	1500 Jul 04 j 12:34	9°♄17'22	
	1499 Aug 02 j 17:49	0°♄		direct	1500 Jul 07 j 03:41	8°♄58'16	
				morning max el	1500 Jul 16 j 11:04	13°♄18'08	19°25'14

asc. node	1500 Jul 23 j 23:20	22°☿53'18			1501 Jul 03 j 06:59	0°☿	
	1500 Jul 28 j 02:31	0°♌		asc. node	1501 Jul 10 j 20:25	11°☿39'51	
morning set	1500 Aug 02 j 17:23	10°♌52'01		morning set	1501 Jul 17 j 23:37	25°☿31'04	
					1501 Jul 20 j 03:45	0°♌	
superior conj	1500 Aug 10 j 19:22	26°♌59'56	1°45'29	superior conj	1501 Jul 25 j 12:54	11°♌06'34	1°44'44
minimum elong	1500 Aug 10 j 20:06	27°♌03'33	1°45'29	minimum elong	1501 Jul 25 j 12:02	11°♌02'09	1°44'43
	1500 Aug 12 j 08:24	0°♍		max. Earth dist.	1501 Jul 30 j 08:14	20°♌42'13	1.36032 AU
max. Earth dist.	1500 Aug 17 j 01:10	8°♍52'10	1.37896 AU	evening rise	1501 Aug 03 j 09:21	28°♌24'19	
evening rise	1500 Aug 20 j 19:35	15°♍39'55			1501 Aug 04 j 06:04	0°♍	
	1500 Aug 29 j 07:43	0°♎		desc. node	1501 Aug 18 j 11:28	23°♍53'15	
desc. node	1500 Aug 31 j 14:27	3°♎37'07			1501 Aug 22 j 14:15	0°♎	
	1500 Sep 19 j 11:29	0°♏		evening max el	1501 Sep 08 j 01:22	20°♎19'48	26°13'07
evening max el	1500 Sep 25 j 13:32	6°♏41'19	25°06'33	retrograde	1501 Sep 20 j 17:09	27°♎29'33	
retrograde	1500 Oct 07 j 09:34	13°♏32'31		evening set	1501 Sep 27 j 01:21	24°♎51'35	
evening set	1500 Oct 13 j 03:50	11°♏07'14		min. Earth dist.	1501 Oct 01 j 05:46	20°♎24'35	0.66478 AU
min. Earth dist.	1500 Oct 17 j 15:47	6°♏04'15	0.67253 AU	inferior conj	1501 Oct 02 j 17:12	18°♎35'10	-1°23'45
inferior conj	1500 Oct 18 j 15:54	4°♏45'17	-0°26'24	minimum elong	1501 Oct 02 j 19:24	18°♎28'23	1°22'50
minimum elong	1500 Oct 18 j 16:34	4°♏43'07	0°26'08	asc. node	1501 Oct 06 j 19:36	14°♏03'23	
asc. node	1500 Oct 19 j 22:31	3°♏06'28		morning rise	1501 Oct 08 j 13:54	12°♏45'33	
	1500 Oct 22 j 17:00	30°♑		direct	1501 Oct 11 j 15:57	11°♏51'15	
morning rise	1500 Oct 24 j 05:29	28°♏46'01		morning max el	1501 Oct 18 j 11:20	15°♏38'04	18°48'36
direct	1500 Oct 27 j 17:38	27°♏35'05			1501 Oct 29 j 04:13	0°♏	
	1500 Nov 02 j 04:10	0°♐		morning set	1501 Nov 08 j 21:35	16°♏47'39	
morning max el	1500 Nov 04 j 02:17	1°♐45'41	19°40'44	desc. node	1501 Nov 14 j 10:44	25°♏32'27	
greatest brilliancy	1500 Nov 17 j 11:04	19°♐32'57	-0.7m		1501 Nov 17 j 06:48	0°♑	
	1500 Nov 24 j 08:31	0°♑		max. Earth dist.	1501 Nov 24 j 08:20	11°♑05'35	1.45037 AU
desc. node	1500 Nov 27 j 13:42	4°♑56'38					
morning set	1500 Nov 29 j 07:37	7°♑38'27		superior conj	1501 Nov 25 j 05:57	12°♑30'32	-1°07'54
max. Earth dist.	1500 Dec 11 j 15:25	26°♑55'18	1.44321 AU	minimum elong	1501 Nov 24 j 21:54	11°♑58'56	1°06'59
	1500 Dec 13 j 13:49	0°♒			1501 Dec 06 j 06:56	0°♒	
superior conj	1500 Dec 16 j 00:23	3°♒54'50	-1°44'16	evening rise	1501 Dec 10 j 17:42	7°♒08'34	
minimum elong	1500 Dec 15 j 16:45	3°♒24'05	1°43'40		1501 Dec 25 j 04:05	0°♓	
evening rise	1500 Dec 29 j 18:06	26°♒37'05		evening max el	1501 Dec 31 j 19:55	8°♓33'53	18°47'02
	1500 Dec 31 j 18:05	0°♓		asc. node	1502 Jan 02 j 18:53	10°♓20'51	
asc. node	1501 Jan 15 j 21:51	23°♓33'18		retrograde	1502 Jan 07 j 13:24	12°♓20'14	
evening max el	1501 Jan 17 j 08:45	25°♓08'35	18°18'08	evening set	1502 Jan 10 j 17:59	11°♓22'02	
retrograde	1501 Jan 23 j 20:11	28°♓38'17		inferior conj	1502 Jan 16 j 11:08	5°♓41'14	3°30'46
evening set	1501 Jan 26 j 19:02	27°♓51'41		minimum elong	1502 Jan 16 j 09:10	5°♓47'16	3°30'29
inferior conj	1501 Feb 01 j 19:28	22°♓28'19	3°44'15	min. Earth dist.	1502 Jan 18 j 05:45	3°♓30'47	0.65263 AU
minimum elong	1501 Feb 01 j 18:47	22°♓30'16	3°44'13		1502 Jan 21 j 11:14	30°♑	
min. Earth dist.	1501 Feb 04 j 05:32	19°♓46'02	0.63663 AU	morning rise	1502 Jan 21 j 23:56	29°♑31'24	
morning rise	1501 Feb 07 j 17:45	16°♓23'39		direct	1502 Jan 28 j 15:47	26°♑39'17	
direct	1501 Feb 14 j 16:04	13°♓37'14			1502 Feb 05 j 20:47	0°♓	
desc. node	1501 Feb 23 j 12:54	17°♓13'12		desc. node	1502 Feb 10 j 09:57	3°♓57'16	
morning max el	1501 Feb 28 j 10:40	21°♓31'26	27°38'50	morning max el	1502 Feb 10 j 20:25	4°♓23'20	26°56'17
	1501 Mar 07 j 20:20	0°♔			1502 Mar 02 j 08:01	0°♔	
	1501 Mar 27 j 08:12	0°♕		morning set	1502 Mar 18 j 14:46	28°♔15'08	
morning set	1501 Apr 04 j 03:36	14°♕44'40			1502 Mar 19 j 12:30	0°♕	
max. Earth dist.	1501 Apr 09 j 07:07	25°♕17'25	1.33111 AU	max. Earth dist.	1502 Mar 23 j 01:12	6°♕59'04	1.34208 AU
superior conj	1501 Apr 11 j 22:55	0°♖56'21	-0°20'13	superior conj	1502 Mar 27 j 00:51	15°♕10'15	-0°47'55
minimum elong	1501 Apr 11 j 23:55	1°♖01'39	0°19'59	minimum elong	1502 Mar 27 j 03:15	15°♕22'44	0°47'27
	1501 Apr 11 j 12:23	0°♖		asc. node	1502 Mar 31 j 18:14	25°♕07'17	
asc. node	1501 Apr 13 j 21:11	5°♖05'08		evening rise	1502 Apr 03 j 11:31	0°♖50'12	
evening rise	1501 Apr 19 j 01:27	16°♖11'19			1502 Apr 03 j 01:54	0°♖	
	1501 Apr 25 j 23:02	0°♗			1502 Apr 20 j 12:47	0°♗	
evening max el	1501 May 11 j 14:23	22°♗26'33	22°59'17	evening max el	1502 Apr 23 j 10:25	3°♗07'31	21°27'09
desc. node	1501 May 22 j 12:08	28°♗52'33		retrograde	1502 May 05 j 14:23	9°♗04'07	
retrograde	1501 May 24 j 23:32	29°♗06'31		evening set	1502 May 07 j 23:34	8°♗51'11	
evening set	1501 May 28 j 10:16	28°♗40'26		desc. node	1502 May 09 j 09:11	8°♗32'09	
min. Earth dist.	1501 Jun 04 j 23:26	25°♗18'47	0.55536 AU	inferior conj	1502 May 17 j 09:18	4°♗50'53	-2°16'28
inferior conj	1501 Jun 06 j 14:12	24°♗22'37	-3°53'46	minimum elong	1502 May 17 j 03:06	4°♗59'34	2°14'23
minimum elong	1501 Jun 06 j 06:42	24°♗33'31	3°52'00	min. Earth dist.	1502 May 17 j 11:48	4°♗47'23	0.54930 AU
morning rise	1501 Jun 15 j 05:39	20°♗29'43		morning rise	1502 May 26 j 07:15	0°♗52'59	
direct	1501 Jun 18 j 01:15	20°♗10'58		direct	1502 May 29 j 11:52	0°♗30'44	
morning max el	1501 Jun 28 j 23:08	25°♗14'09	20°38'04	morning max el	1502 Jun 10 j 23:59	6°♗26'00	22°09'00

	1502 Jun 27 j 05:49	0°☿			1503 Jun 03 j 03:31	0°♊		
asc. node	1502 Jun 27 j 17:30	0°☿56'13		asc. node	1503 Jun 14 j 14:33	20°♊34'32		
morning set	1502 Jul 02 j 09:27	10°☿21'20		morning set	1503 Jun 16 j 21:03	25°♊17'18		
					1503 Jun 19 j 02:11	0°☿		
superior conj	1502 Jul 09 j 14:40	25°☿37'57	1°37'14	superior conj	1503 Jun 23 j 21:51	10°☿25'08	1°24'16	
minimum elong	1502 Jul 09 j 12:46	25°☿27'52	1°37'05	minimum elong	1503 Jun 23 j 19:28	10°☿12'15	1°23'57	
	1502 Jul 11 j 16:47	0°♊			1503 Jun 26 j 00:32	14°☿56'56	1.33357 AU	
max. Earth dist.	1502 Jul 12 j 23:39	2°♊39'12	1.34498 AU	max. Earth dist.	1503 Jul 01 j 08:41	26°☿01'48		
evening rise	1502 Jul 17 j 15:09	11°♊55'48		evening rise	1503 Jul 03 j 08:43	0°♊		
	1502 Jul 27 j 14:32	0°♊			1503 Jul 20 j 23:51	0°♊		
desc. node	1502 Aug 05 j 08:30	13°♊47'26		desc. node	1503 Jul 23 j 05:31	3°♊09'54		
	1502 Aug 17 j 19:48	0°♊			1503 Aug 04 j 01:00	17°♊07'38	27°24'49	
evening max el	1502 Aug 21 j 13:36	3°♊52'33	27°01'37	evening max el	1503 Aug 17 j 15:23	24°♊25'39		
retrograde	1502 Sep 03 j 19:19	11°♊10'11		retrograde	1503 Aug 24 j 19:12	21°♊45'18		
evening set	1502 Sep 10 j 15:27	8°♊26'12		evening set	1503 Aug 28 j 11:16	18°♊29'05	0.63874 AU	
min. Earth dist.	1502 Sep 14 j 13:02	4°♊35'40	0.65352 AU	min. Earth dist.	1503 Aug 30 j 23:39	15°♊52'55	-3°17'12	
inferior conj	1502 Sep 16 j 12:38	2°♊19'44	-2°21'34	inferior conj	1503 Aug 31 j 04:33	15°♊40'12	3°15'39	
minimum elong	1502 Sep 16 j 16:22	2°♊09'05	2°20'09	minimum elong	1503 Sep 06 j 14:59	10°♊32'07		
	1502 Sep 18 j 15:14	30°♊		morning rise	1503 Sep 09 j 04:14	9°♊59'47		
morning rise	1502 Sep 22 j 18:00	26°♊42'48		direct	1503 Sep 10 j 13:45	10°♊09'37		
asc. node	1502 Sep 23 j 16:41	26°♊19'21		asc. node	1503 Sep 15 j 17:14	13°♊25'35	17°54'23	
direct	1502 Sep 25 j 12:22	26°♊01'16		morning max el	1503 Sep 27 j 03:50	0°♊		
morning max el	1502 Oct 02 j 01:14	29°♊33'27	18°12'50	morning set	1503 Oct 02 j 13:56	9°♊17'47		
	1502 Oct 02 j 11:33	0°♊			1503 Oct 14 j 20:40	0°♊		
morning set	1502 Oct 20 j 16:19	27°♊23'42						
	1502 Oct 22 j 06:26	0°♊		superior conj	1503 Oct 15 j 04:58	0°♊33'59	0°26'42	
desc. node	1502 Nov 01 j 07:46	16°♊15'32		minimum elong	1503 Oct 15 j 07:49	0°♊45'38	0°26'19	
superior conj	1502 Nov 04 j 08:40	21°♊05'05	-0°20'12	desc. node	1503 Oct 19 j 04:47	7°♊02'12		
minimum elong	1502 Nov 04 j 06:04	20°♊54'47	0°19'49	max. Earth dist.	1503 Oct 20 j 21:16	9°♊44'10	1.44282 AU	
max. Earth dist.	1502 Nov 07 j 03:13	25°♊27'42	1.45020 AU	evening rise	1503 Oct 31 j 04:18	25°♊50'42		
	1502 Nov 10 j 00:35	0°♊			1503 Nov 02 j 21:18	0°♊		
evening rise	1502 Nov 20 j 18:31	16°♊46'05			1503 Nov 23 j 12:22	0°♊		
	1502 Nov 29 j 07:11	0°♊		evening max el	1503 Nov 28 j 06:08	5°♊32'46	20°33'01	
greatest brilliancy	1502 Dec 02 j 22:14	5°♊32'49	-0.7m	retrograde	1503 Dec 06 j 07:59	10°♊18'40		
evening max el	1502 Dec 15 j 03:35	22°♊02'59	19°32'42	asc. node	1503 Dec 07 j 13:00	10°♊10'27		
asc. node	1502 Dec 20 j 15:57	25°♊58'15		evening set	1503 Dec 10 j 04:38	8°♊52'44		
retrograde	1502 Dec 22 j 10:10	26°♊15'19		inferior conj	1503 Dec 15 j 14:10	2°♊44'33	2°29'40	
evening set	1502 Dec 25 j 21:55	25°♊04'03		minimum elong	1503 Dec 15 j 11:33	2°♊53'29	2°28'52	
inferior conj	1502 Dec 31 j 10:15	19°♊08'11	3°04'55	min. Earth dist.	1503 Dec 16 j 05:05	1°♊53'48	0.67272 AU	
minimum elong	1502 Dec 31 j 07:40	19°♊16'38	3°04'19		1503 Dec 17 j 15:20	30°♊		
min. Earth dist.	1503 Jan 01 j 14:16	17°♊36'41	0.66469 AU	morning rise	1503 Dec 20 j 18:17	26°♊31'24		
morning rise	1503 Jan 05 j 17:11	12°♊55'47		direct	1503 Dec 26 j 08:12	24°♊03'26		
direct	1503 Jan 11 j 21:27	10°♊11'06			1504 Jan 05 j 19:33	0°♊		
morning max el	1503 Jan 24 j 05:36	17°♊30'52	25°48'35	morning max el	1504 Jan 06 j 13:57	0°♊45'32	24°25'32	
desc. node	1503 Jan 28 j 06:59	21°♊56'23		desc. node	1504 Jan 15 j 04:00	10°♊48'12		
	1503 Feb 03 j 16:55	0°♊			1504 Jan 28 j 16:03	0°♊		
	1503 Feb 23 j 07:11	0°♊		morning set	1504 Feb 11 j 12:36	22°♊40'17		
morning set	1503 Mar 01 j 11:38	10°♊58'58		max. Earth dist.	1504 Feb 15 j 04:56	29°♊13'15	1.37712 AU	
max. Earth dist.	1503 Mar 05 j 07:31	18°♊09'57	1.35768 AU		1504 Feb 15 j 15:14	0°♊		
superior conj	1503 Mar 10 j 19:01	28°♊56'32	-1°14'46	superior conj	1504 Feb 22 j 02:04	12°♊05'48	-1°38'38	
minimum elong	1503 Mar 10 j 22:38	29°♊14'45	1°14'11	minimum elong	1504 Feb 22 j 06:15	12°♊26'00	1°38'10	
	1503 Mar 11 j 07:36	0°♊		evening rise	1504 Mar 01 j 18:18	29°♊12'04		
evening rise	1503 Mar 18 j 17:56	15°♊12'48			1504 Mar 02 j 03:59	0°♊		
asc. node	1503 Mar 18 j 15:16	14°♊59'13		asc. node	1504 Mar 04 j 12:19	4°♊36'03		
	1503 Mar 26 j 09:44	0°♊		evening max el	1504 Mar 18 j 11:35	26°♊15'19	19°09'00	
evening max el	1503 Apr 05 j 17:19	14°♊21'41	20°08'42		1504 Mar 24 j 04:39	0°♊		
retrograde	1503 Apr 16 j 04:25	19°♊24'44		retrograde	1504 Mar 27 j 07:08	0°♊31'12		
evening set	1503 Apr 18 j 05:33	19°♊13'59		evening set	1504 Mar 29 j 10:55	0°♊16'57		
desc. node	1503 Apr 26 j 06:12	15°♊49'55			1504 Mar 30 j 12:28	30°♊		
inferior conj	1503 Apr 27 j 05:39	15°♊15'12	-0°17'01	inferior conj	1504 Apr 06 j 16:41	26°♊05'13	1°30'32	
minimum elong	1503 Apr 27 j 04:52	15°♊16'22	0°16'44	minimum elong	1504 Apr 06 j 20:02	25°♊59'31	1°29'28	
min. Earth dist.	1503 Apr 29 j 01:07	14°♊10'35	0.55292 AU	min. Earth dist.	1504 Apr 09 j 16:11	24°♊04'10	0.56534 AU	
morning rise	1503 May 06 j 02:25	10°♊53'56		desc. node	1504 Apr 12 j 03:12	22°♊34'01		
direct	1503 May 10 j 00:54	10°♊20'08		morning rise	1504 Apr 15 j 02:11	21°♊10'11		
morning max el	1503 May 23 j 16:38	17°♊03'21	23°50'13	direct	1504 Apr 20 j 01:25	20°♊12'46		



morning max el	1504 May 04 j 07:06	27° $\Upsilon$ 30'59	25°28'32	morning max el	1505 Apr 16 j 01:01	8° $\Upsilon$ 16'23	26°48'13
	1504 May 06 j 17:17	0° $\mathcal{B}$			1505 May 02 j 10:22	0° $\mathcal{B}$	
	1504 May 26 j 07:55	0° $\Pi$		morning set	1505 May 15 j 19:01	25° $\mathcal{B}$ 04'46	
morning set	1504 May 31 j 08:49	10° $\Pi$ 14'00		asc. node	1505 May 18 j 08:36	0° $\Pi$ 32'28	
asc. node	1504 May 31 j 11:35	10° $\Pi$ 28'38			1505 May 18 j 02:35	0° $\Pi$	
superior conj	1504 Jun 07 j 08:15	25° $\Pi$ 21'16	1°06'51	superior conj	1505 May 22 j 19:58	10° $\Pi$ 19'05	0°45'46
minimum elong	1504 Jun 07 j 05:55	25° $\Pi$ 08'26	1°06'26	minimum elong	1505 May 22 j 18:07	10° $\Pi$ 08'54	0°45'23
max. Earth dist.	1504 Jun 08 j 08:43	27° $\Pi$ 34'56	1.32611 AU	max. Earth dist.	1505 May 22 j 20:34	10° $\Pi$ 22'27	1.32251 AU
	1504 Jun 09 j 11:23	0° $\mathcal{E}$		evening rise	1505 May 29 j 17:42	25° $\Pi$ 16'49	
evening rise	1504 Jun 14 j 10:28	10° $\mathcal{E}$ 32'05			1505 Jun 01 j 00:27	0° $\mathcal{E}$	
	1504 Jun 24 j 15:08	0° $\Omega$			1505 Jun 18 j 10:24	0° $\Omega$	
desc. node	1504 Jul 09 j 02:32	21° $\Omega$ 47'29		desc. node	1505 Jun 25 j 23:33	9° $\Omega$ 20'36	
evening max el	1504 Jul 16 j 09:04	29° $\Omega$ 51'21	27°17'06	evening max el	1505 Jun 28 j 11:08	11° $\Omega$ 51'22	26°36'13
	1504 Jul 16 j 12:43	0° $\mathfrak{M}$		retrograde	1505 Jul 12 j 10:32	19° $\Omega$ 04'52	
retrograde	1504 Jul 30 j 04:44	7° $\mathfrak{M}$ 07'07		evening set	1505 Jul 19 j 03:52	17° $\Omega$ 09'57	
evening set	1504 Aug 06 j 08:52	4° $\mathfrak{M}$ 42'45		min. Earth dist.	1505 Jul 23 j 00:35	14° $\Omega$ 33'18	0.60042 AU
min. Earth dist.	1504 Aug 09 j 23:03	1° $\mathfrak{M}$ 53'28	0.62071 AU	inferior conj	1505 Jul 26 j 07:54	11° $\Omega$ 54'02	-4°42'35
	1504 Aug 12 j 00:42	30° $\mathfrak{R}\Omega$		minimum elong	1505 Jul 26 j 11:28	11° $\Omega$ 46'50	4°42'11
inferior conj	1504 Aug 12 j 23:15	29° $\Omega$ 07'38	-4°06'27	morning rise	1505 Aug 02 j 21:05	7° $\Omega$ 15'13	
minimum elong	1504 Aug 13 j 04:23	28° $\Omega$ 55'47	4°05'17	direct	1505 Aug 05 j 07:47	6° $\Omega$ 53'09	
morning rise	1504 Aug 20 j 01:23	24° $\Omega$ 06'31		morning max el	1505 Aug 12 j 19:47	10° $\Omega$ 32'07	18°13'15
direct	1504 Aug 22 j 12:07	23° $\Omega$ 40'26		asc. node	1505 Aug 14 j 07:48	12° $\Omega$ 06'27	
asc. node	1504 Aug 27 j 10:47	25° $\Omega$ 30'06			1505 Aug 25 j 15:29	0° $\mathfrak{M}$	
morning max el	1504 Aug 29 j 08:28	27° $\Omega$ 08'04	17°54'10	morning set	1505 Aug 28 j 17:36	5° $\mathfrak{M}$ 47'35	
	1504 Aug 31 j 21:26	0° $\mathfrak{M}$					
morning set	1504 Sep 14 j 08:18	22° $\mathfrak{M}$ 11'25		superior conj	1505 Sep 07 j 04:56	23° $\mathfrak{M}$ 26'56	1°28'46
	1504 Sep 18 j 16:26	0° $\underline{\Omega}$		minimum elong	1505 Sep 07 j 08:41	23° $\mathfrak{M}$ 43'57	1°28'26
					1505 Sep 10 j 21:04	0° $\underline{\Omega}$	
superior conj	1504 Sep 25 j 04:18	11° $\underline{\Omega}$ 23'15	1°03'53	max. Earth dist.	1505 Sep 14 j 19:34	6° $\underline{\Omega}$ 48'00	1.41087 AU
minimum elong	1504 Sep 25 j 08:59	11° $\underline{\Omega}$ 43'19	1°03'19	evening rise	1505 Sep 19 j 18:17	15° $\underline{\Omega}$ 01'29	
max. Earth dist.	1504 Oct 02 j 11:24	23° $\underline{\Omega}$ 36'31	1.42913 AU	desc. node	1505 Sep 21 j 22:52	18° $\underline{\Omega}$ 33'48	
desc. node	1504 Oct 05 j 01:50	27° $\underline{\Omega}$ 49'33			1505 Sep 29 j 07:09	0° $\mathfrak{M}$	
	1504 Oct 06 j 10:24	0° $\mathfrak{M}$			1505 Oct 21 j 08:16	0° $\mathcal{X}$	
evening rise	1504 Oct 09 j 14:59	5° $\mathfrak{M}$ 02'37		evening max el	1505 Oct 23 j 18:41	2° $\mathcal{X}$ 35'21	23°03'30
	1504 Oct 26 j 06:23	0° $\mathcal{X}$		retrograde	1505 Nov 02 j 23:27	8° $\mathcal{X}$ 38'26	
evening max el	1504 Nov 10 j 02:54	19° $\mathcal{X}$ 03'05	21°44'45	evening set	1505 Nov 07 j 19:24	6° $\mathcal{X}$ 39'22	
retrograde	1504 Nov 19 j 04:55	24° $\mathcal{X}$ 27'25		asc. node	1505 Nov 10 j 07:02	4° $\mathcal{X}$ 05'30	
asc. node	1504 Nov 23 j 10:01	22° $\mathcal{X}$ 49'58		inferior conj	1505 Nov 13 j 04:11	0° $\mathcal{X}$ 17'02	0°58'39
evening set	1504 Nov 23 j 12:21	22° $\mathcal{X}$ 45'21		minimum elong	1505 Nov 13 j 02:51	0° $\mathcal{X}$ 21'37	0°58'05
inferior conj	1504 Nov 28 j 20:46	16° $\mathcal{X}$ 28'11	1°47'04	min. Earth dist.	1505 Nov 12 j 20:44	0° $\mathcal{X}$ 42'40	0.67781 AU
minimum elong	1504 Nov 28 j 18:35	16° $\mathcal{X}$ 35'43	1°46'16		1505 Nov 13 j 09:08	30° $\mathfrak{R}\mathfrak{M}$	
min. Earth dist.	1504 Nov 29 j 00:02	16° $\mathcal{X}$ 16'53	0.67702 AU	morning rise	1505 Nov 18 j 10:14	24° $\mathfrak{M}$ 07'48	
morning rise	1504 Dec 04 j 00:42	10° $\mathcal{X}$ 15'59		direct	1505 Nov 22 j 18:20	22° $\mathfrak{M}$ 24'09	
direct	1504 Dec 08 j 23:25	8° $\mathcal{X}$ 09'34		morning max el	1505 Dec 01 j 13:50	27° $\mathfrak{M}$ 33'44	21°32'23
morning max el	1504 Dec 18 j 23:36	14° $\mathcal{X}$ 05'42	22°57'10		1505 Dec 03 j 20:19	0° $\mathcal{X}$	
	1504 Dec 31 j 19:53	0° $\mathcal{Z}$		desc. node	1505 Dec 18 j 22:04	20° $\mathcal{X}$ 14'55	
desc. node	1505 Jan 01 j 01:01	0° $\mathcal{Z}$ 17'52			1505 Dec 25 j 10:44	0° $\mathcal{Z}$	
	1505 Jan 20 j 14:55	0° $\approx$		morning set	1506 Jan 02 j 05:18	12° $\mathcal{Z}$ 04'15	
morning set	1505 Jan 22 j 11:28	3° $\approx$ 03'21		max. Earth dist.	1506 Jan 09 j 00:21	23° $\mathcal{Z}$ 03'40	1.41903 AU
max. Earth dist.	1505 Jan 27 j 00:20	10° $\approx$ 43'08	1.39848 AU		1506 Jan 13 j 03:50	0° $\approx$	
superior conj	1505 Feb 03 j 17:43	24° $\approx$ 26'49	-1°56'31	superior conj	1506 Jan 16 j 12:52	5° $\approx$ 47'46	-2°04'15
minimum elong	1505 Feb 03 j 21:04	24° $\approx$ 42'12	1°56'19	minimum elong	1506 Jan 16 j 13:07	5° $\approx$ 48'51	2°04'15
	1505 Feb 06 j 17:38	0° $\mathcal{H}$		evening rise	1506 Jan 27 j 12:29	25° $\approx$ 28'41	
evening rise	1505 Feb 13 j 09:40	12° $\mathcal{H}$ 40'04			1506 Jan 29 j 23:57	0° $\mathcal{H}$	
asc. node	1505 Feb 19 j 09:20	23° $\mathcal{H}$ 51'37		asc. node	1506 Feb 06 j 06:22	12° $\mathcal{H}$ 39'04	
	1505 Feb 22 j 23:39	0° $\Upsilon$		evening max el	1506 Feb 13 j 00:22	21° $\mathcal{H}$ 38'04	18°09'53
evening max el	1505 Mar 01 j 14:57	8° $\Upsilon$ 43'28	18°29'26	retrograde	1506 Feb 19 j 19:38	25° $\mathcal{H}$ 04'47	
retrograde	1505 Mar 09 j 04:37	12° $\Upsilon$ 26'47		evening set	1506 Feb 22 j 10:33	24° $\mathcal{H}$ 34'38	
evening set	1505 Mar 11 j 14:00	12° $\Upsilon$ 05'39		inferior conj	1506 Mar 01 j 05:00	19° $\mathcal{H}$ 42'57	3°29'07
inferior conj	1505 Mar 19 j 00:38	7° $\Upsilon$ 34'43	2°46'30	minimum elong	1506 Mar 01 j 07:24	19° $\mathcal{H}$ 37'25	3°28'48
minimum elong	1505 Mar 19 j 04:36	7° $\Upsilon$ 26'48	2°45'34	min. Earth dist.	1506 Mar 04 j 11:52	16° $\mathcal{H}$ 41'46	0.60518 AU
min. Earth dist.	1505 Mar 22 j 10:58	4° $\Upsilon$ 51'49	0.58391 AU	morning rise	1506 Mar 08 j 02:15	13° $\mathcal{H}$ 55'42	
morning rise	1505 Mar 26 j 16:21	2° $\Upsilon$ 08'36		direct	1506 Mar 14 j 18:38	11° $\mathcal{H}$ 46'46	
desc. node	1505 Mar 30 j 00:13	0° $\Upsilon$ 54'40		desc. node	1506 Mar 16 j 21:14	11° $\mathcal{H}$ 58'59	
direct	1505 Apr 01 j 15:54	0° $\Upsilon$ 36'23		morning max el	1506 Mar 29 j 00:58	19° $\mathcal{H}$ 38'12	27°36'43

	1506 Apr 06 j 21:01	0°♄		morning rise	1507 Feb 18 j 07:44	26°♊22'09	
	1506 Apr 25 j 05:04	0°♄		direct	1507 Feb 25 j 06:48	23°♊45'23	
morning set	1506 Apr 30 j 01:56	9°♄43'39		desc. node	1507 Mar 03 j 18:17	25°♊41'36	
asc. node	1506 May 05 j 05:39	20°♄41'36			1507 Mar 09 j 12:26	0°♋	
max. Earth dist.	1506 May 06 j 08:28	23°♄07'46	1.32274 AU	morning max el	1507 Mar 11 j 06:27	1°♋40'14	27°48'26
					1507 Apr 01 j 02:25	0°♄	
superior conj	1506 May 07 j 07:18	25°♄12'52	0°21'44	morning set	1507 Apr 14 j 03:25	24°♄03'01	
minimum elong	1506 May 07 j 06:20	25°♄07'32	0°21'32		1507 Apr 17 j 00:48	0°♄	
	1506 May 09 j 11:38	0°♈		max. Earth dist.	1507 Apr 19 j 16:30	5°♄37'23	1.32690 AU
evening rise	1506 May 14 j 04:13	10°♈08'54					
	1506 May 24 j 08:59	0°♈		superior conj	1507 Apr 21 j 16:33	9°♄56'18	-0°04'29
evening max el	1506 Jun 10 j 06:16	23°♈05'32	25°25'20	minimum elong	1507 Apr 21 j 16:46	9°♄57'27	0°04'26
desc. node	1506 Jun 12 j 20:33	25°♈23'05		behind sun begin	1507 Apr 21 j 11:45	9°♄30'18	
	1506 Jun 21 j 20:01	0°♏		behind sun end	1507 Apr 21 j 21:47	10°♄24'36	
retrograde	1506 Jun 24 j 06:52	0°♏14'15		asc. node	1507 Apr 22 j 02:43	10°♄51'23	
	1506 Jun 26 j 17:35	30°♋♈		evening rise	1507 Apr 28 j 16:02	25°♄01'11	
evening set	1506 Jun 29 j 24:00	28°♈57'56			1507 May 01 j 01:19	0°♈	
min. Earth dist.	1506 Jul 04 j 18:18	26°♈15'34	0.58005 AU		1507 May 19 j 08:17	0°♈	
inferior conj	1506 Jul 07 j 22:15	24°♈03'13	-4°54'56	evening max el	1507 May 22 j 20:42	3°♈45'18	23°54'38
minimum elong	1506 Jul 07 j 21:47	24°♈04'02	4°54'56	desc. node	1507 May 30 j 17:33	9°♈21'04	
morning rise	1506 Jul 15 j 22:06	19°♈46'41		retrograde	1507 Jun 05 j 15:02	10°♈39'55	
direct	1506 Jul 18 j 10:58	19°♈26'56		evening set	1507 Jun 09 j 21:51	9°♈59'25	
morning max el	1506 Jul 27 j 00:03	23°♈28'37	18°52'50	min. Earth dist.	1507 Jun 16 j 07:28	6°♈55'44	0.56268 AU
asc. node	1506 Aug 01 j 04:51	29°♈43'43		inferior conj	1507 Jun 18 j 16:27	5°♈28'38	-4°29'43
	1506 Aug 01 j 09:20	0°♏		minimum elong	1507 Jun 18 j 10:49	5°♈37'18	4°28'50
morning set	1506 Aug 12 j 13:29	19°♏54'38		morning rise	1507 Jun 27 j 02:26	1°♈29'58	
	1506 Aug 17 j 16:44	0°♐		direct	1507 Jun 29 j 19:17	1°♈11'11	
				morning max el	1507 Jul 09 j 18:25	5°♈48'23	19°53'44
superior conj	1506 Aug 21 j 01:28	6°♐29'35	1°42'13	asc. node	1507 Jul 19 j 01:56	18°♈08'30	
minimum elong	1506 Aug 21 j 03:19	6°♐38'23	1°42'07		1507 Jul 25 j 11:53	0°♏	
max. Earth dist.	1506 Aug 27 j 23:27	19°♐15'51	1.39054 AU	morning set	1507 Jul 27 j 16:43	4°♏24'25	
evening rise	1506 Aug 31 j 21:35	26°♐07'22					
	1506 Sep 03 j 04:32	0°♑		superior conj	1507 Aug 04 j 12:38	20°♏16'38	1°46'06
desc. node	1506 Sep 08 j 19:55	9°♑10'58		minimum elong	1507 Aug 04 j 12:38	20°♏16'37	1°46'06
	1506 Sep 22 j 22:15	0°♒			1507 Aug 09 j 12:18	0°♐	
evening max el	1506 Oct 06 j 07:30	16°♒11'20	24°23'16	max. Earth dist.	1507 Aug 10 j 04:02	1°♐14'32	1.37070 AU
retrograde	1506 Oct 17 j 14:19	22°♒47'34		evening rise	1507 Aug 14 j 00:01	8°♐19'09	
evening set	1506 Oct 23 j 00:08	20°♒31'38		desc. node	1507 Aug 26 j 16:56	29°♐36'39	
min. Earth dist.	1506 Oct 27 j 16:45	15°♒08'21	0.67534 AU		1507 Aug 26 j 22:58	0°♑	
inferior conj	1506 Oct 28 j 10:38	14°♒08'20	0°05'39		1507 Sep 18 j 23:13	0°♒	
minimum elong	1506 Oct 28 j 10:29	14°♒08'49	0°05'35	evening max el	1507 Sep 18 j 19:30	29°♑50'56	25°36'46
transit middle	1506 Oct 28 j 10:29	14°♒08'49	0°05'35	retrograde	1507 Oct 01 j 00:33	6°♒50'50	
transit begin	1506 Oct 28 j 07:55	14°♒17'27		evening set	1507 Oct 07 j 00:50	4°♒19'51	
transit end	1506 Oct 28 j 13:03	14°♒00'11			1507 Oct 11 j 00:43	30°♋♑	
asc. node	1506 Oct 28 j 04:04	14°♒30'23		min. Earth dist.	1507 Oct 11 j 09:37	29°♑31'53	0.66962 AU
morning rise	1506 Nov 02 j 20:53	8°♒04'29		inferior conj	1507 Oct 12 j 14:22	27°♑59'55	-0°50'31
direct	1506 Nov 06 j 15:49	6°♒42'16		minimum elong	1507 Oct 12 j 15:40	27°♑55'45	0°49'58
morning max el	1506 Nov 14 j 11:15	11°♒11'38	20°17'36	asc. node	1507 Oct 15 j 01:07	24°♑59'52	
	1506 Nov 28 j 18:26	0°♊		morning rise	1507 Oct 18 j 06:43	22°♑04'13	
desc. node	1506 Dec 05 j 19:07	10°♊31'13		direct	1507 Oct 21 j 14:24	21°♑00'36	
morning set	1506 Dec 12 j 03:04	20°♊13'32		morning max el	1507 Oct 28 j 16:25	24°♑59'42	19°16'39
	1506 Dec 18 j 09:07	0°♋			1507 Nov 01 j 23:06	0°♒	
max. Earth dist.	1506 Dec 22 j 08:08	6°♋18'13	1.43600 AU	morning set	1507 Nov 21 j 04:41	28°♒43'21	
					1507 Nov 22 j 00:24	0°♊	
superior conj	1506 Dec 28 j 06:40	15°♋57'47	-1°56'56	desc. node	1507 Nov 22 j 16:12	1°♊01'28	
minimum elong	1506 Dec 28 j 01:43	15°♋37'25	1°56'41	max. Earth dist.	1507 Dec 04 j 22:58	20°♊15'10	1.44718 AU
	1507 Jan 05 j 14:44	0°♌					
evening rise	1507 Jan 09 j 22:30	7°♌28'46		superior conj	1507 Dec 07 j 22:52	24°♊59'51	-1°30'54
	1507 Jan 23 j 13:07	0°♍		minimum elong	1507 Dec 07 j 14:12	24°♊25'27	1°30'05
asc. node	1507 Jan 24 j 03:24	0°♍48'59			1507 Dec 11 j 02:06	0°♋	
evening max el	1507 Jan 27 j 12:40	4°♍49'52	18°09'44	evening rise	1507 Dec 22 j 11:32	18°♋33'52	
retrograde	1507 Feb 03 j 00:08	8°♍14'26			1507 Dec 29 j 09:26	0°♌	
evening set	1507 Feb 05 j 20:09	7°♍34'01		evening max el	1508 Jan 11 j 01:00	18°♌11'56	18°28'14
inferior conj	1507 Feb 12 j 02:10	2°♍21'54	3°44'41	asc. node	1508 Jan 11 j 00:26	18°♌10'31	
minimum elong	1507 Feb 12 j 02:29	2°♍21'02	3°44'40	retrograde	1508 Jan 17 j 13:52	21°♌47'04	
	1507 Feb 14 j 08:03	30°♋♌		evening set	1508 Jan 20 j 15:09	20°♌55'30	
min. Earth dist.	1507 Feb 14 j 20:56	29°♌27'07	0.62595 AU	inferior conj	1508 Jan 26 j 12:07	15°♌24'21	3°40'13

minimum elong	1508 Jan 26 j 10:48	15° $\approx$ 28'12	3°40'06	minimum elong	1509 Jan 09 j 05:00	28° $\approx$ 51'12	3°20'42
min. Earth dist.	1508 Jan 28 j 15:32	12° $\approx$ 54'38	0.64401 AU	min. Earth dist.	1509 Jan 10 j 19:26	26° $\approx$ 49'48	0.65822 AU
morning rise	1508 Feb 01 j 05:57	9° $\approx$ 17'22		morning rise	1509 Jan 14 j 17:12	22° $\approx$ 32'42	
direct	1508 Feb 08 j 02:23	6° $\approx$ 26'57		direct	1509 Jan 21 j 04:28	19° $\approx$ 42'44	
desc. node	1508 Feb 18 j 15:21	11° $\approx$ 29'36		morning max el	1509 Feb 03 j 01:21	27° $\approx$ 17'59	26°30'09
morning max el	1508 Feb 21 j 15:26	14° $\approx$ 17'13	27°24'17	desc. node	1509 Feb 04 j 12:25	28° $\approx$ 48'56	
	1508 Mar 05 j 10:03	0° $\approx$			1509 Feb 05 j 14:31	0° $\approx$	
	1508 Mar 23 j 17:28	0° $\approx$			1509 Feb 27 j 01:52	0° $\approx$	
morning set	1508 Mar 27 j 20:50	7° $\approx$ 54'29		morning set	1509 Mar 11 j 02:36	21° $\approx$ 07'33	
max. Earth dist.	1508 Apr 01 j 16:55	17° $\approx$ 39'55	1.33531 AU	max. Earth dist.	1509 Mar 15 j 06:29	29° $\approx$ 09'46	1.34820 AU
					1509 Mar 15 j 16:38	0° $\approx$	
superior conj	1508 Apr 04 j 21:49	24° $\approx$ 09'23'06	-0°31'57	superior conj	1509 Mar 19 j 20:50	8° $\approx$ 09'26'46	-0°59'30
minimum elong	1508 Apr 04 j 23:24	24° $\approx$ 09'31'32	0°31'38	minimum elong	1509 Mar 19 j 23:47	8° $\approx$ 09'41'59	0°58'58
asc. node	1508 Apr 07 j 23:46	0° $\approx$ 57'39		asc. node	1509 Mar 25 j 20:48	20° $\approx$ 09'56'27	
	1508 Apr 07 j 13:00	0° $\approx$		evening rise	1509 Mar 27 j 12:10	24° $\approx$ 09'20'54	
evening rise	1508 Apr 12 j 03:20	9° $\approx$ 54'7'15			1509 Mar 30 j 06:46	0° $\approx$	
	1508 Apr 22 j 17:13	0° $\approx$		evening max el	1509 Apr 15 j 12:45	25° $\approx$ 08'10'13	20°51'35
evening max el	1508 May 03 j 12:30	14° $\approx$ 08'16'42	22°18'49		1509 Apr 22 j 18:43	0° $\approx$	
retrograde	1508 May 16 j 10:45	20° $\approx$ 08'39'58		retrograde	1509 Apr 27 j 00:07	0° $\approx$ 08'44'53	
desc. node	1508 May 16 j 14:35	20° $\approx$ 08'39'54		evening set	1509 Apr 29 j 03:56	0° $\approx$ 08'33'47	
evening set	1508 May 19 j 08:53	20° $\approx$ 08'21'06			1509 May 01 j 10:10	30° $\approx$ 08'12'26	
min. Earth dist.	1508 May 27 j 19:08	16° $\approx$ 08'43'40	0.55170 AU	desc. node	1509 May 03 j 11:36	29° $\approx$ 08'12'26	
inferior conj	1508 May 28 j 17:17	16° $\approx$ 08'12'27	-3°17'08	inferior conj	1509 May 08 j 11:09	26° $\approx$ 08'35'46	-1°26'27
minimum elong	1508 May 28 j 09:34	16° $\approx$ 08'23'20	3°14'57	minimum elong	1509 May 08 j 07:04	26° $\approx$ 08'41'35	1°24'59
morning rise	1508 Jun 06 j 12:08	12° $\approx$ 08'20'05		min. Earth dist.	1509 May 09 j 07:42	26° $\approx$ 08'06'31	0.54966 AU
direct	1508 Jun 09 j 11:03	12° $\approx$ 08'00'22		morning rise	1509 May 17 j 09:51	22° $\approx$ 08'30'13	
morning max el	1508 Jun 21 j 01:26	17° $\approx$ 08'24'44	21°14'56	direct	1509 May 20 j 20:41	22° $\approx$ 08'04'34	
	1508 Jun 30 j 20:36	0° $\approx$		morning max el	1509 Jun 02 j 22:26	28° $\approx$ 08'20'57	22°51'29
asc. node	1508 Jul 04 j 23:01	7° $\approx$ 58'08'51			1509 Jun 04 j 14:29	0° $\approx$	
morning set	1508 Jul 11 j 00:45	19° $\approx$ 58'09'10		asc. node	1509 Jun 21 j 20:05	26° $\approx$ 08'35'45	
	1508 Jul 16 j 05:16	0° $\approx$			1509 Jun 23 j 12:38	0° $\approx$	
superior conj	1508 Jul 18 j 10:03	4° $\approx$ 08'34'53	1°42'18	morning set	1509 Jun 25 j 11:34	4° $\approx$ 58'03'02	
minimum elong	1508 Jul 18 j 08:41	4° $\approx$ 08'27'44	1°42'14	superior conj	1509 Jul 02 j 14:28	19° $\approx$ 58'14'28	1°32'20
max. Earth dist.	1508 Jul 22 j 14:39	13° $\approx$ 08'06'28	1.35333 AU	minimum elong	1509 Jul 02 j 12:18	19° $\approx$ 58'02'51	1°32'07
evening rise	1508 Jul 26 j 21:10	21° $\approx$ 08'24'56		max. Earth dist.	1509 Jul 05 j 10:13	25° $\approx$ 58'11'50	1.33963 AU
	1508 Jul 31 j 13:17	0° $\approx$			1509 Jul 07 j 18:06	0° $\approx$	
desc. node	1508 Aug 12 j 13:57	19° $\approx$ 58'44'25		evening rise	1509 Jul 10 j 08:27	5° $\approx$ 08'12'33	
	1508 Aug 19 j 19:03	0° $\approx$			1509 Jul 24 j 05:42	0° $\approx$	
evening max el	1508 Aug 31 j 07:36	13° $\approx$ 58'28'06	26°36'26	desc. node	1509 Jul 30 j 10:56	9° $\approx$ 58'26'23	
retrograde	1508 Sep 13 j 05:39	20° $\approx$ 58'41'39		evening max el	1509 Aug 13 j 19:27	26° $\approx$ 58'53'49	27°14'49
evening set	1508 Sep 19 j 19:27	18° $\approx$ 58'00'05			1509 Aug 17 j 09:11	0° $\approx$	
min. Earth dist.	1508 Sep 23 j 20:53	13° $\approx$ 58'48'52	0.66045 AU	retrograde	1509 Aug 27 j 05:16	4° $\approx$ 58'12'37	
inferior conj	1508 Sep 25 j 13:24	11° $\approx$ 58'47'40	-1°48'21	evening set	1509 Sep 03 j 05:31	1° $\approx$ 58'28'24	
minimum elong	1508 Sep 25 j 16:16	11° $\approx$ 58'39'06	1°47'11		1509 Sep 04 j 22:24	30° $\approx$ 58'30'17	
asc. node	1508 Sep 30 j 22:11	6° $\approx$ 58'26'24		min. Earth dist.	1509 Sep 07 j 00:22	27° $\approx$ 58'53'19	0.64769 AU
morning rise	1508 Oct 01 j 13:36	6° $\approx$ 58'03'12		inferior conj	1509 Sep 09 j 05:32	25° $\approx$ 58'27'30	-2°45'39
direct	1508 Oct 04 j 12:11	5° $\approx$ 58'14'40		minimum elong	1509 Sep 09 j 09:49	25° $\approx$ 58'15'42	2°44'08
morning max el	1508 Oct 11 j 03:49	8° $\approx$ 58'53'47	18°31'24	morning rise	1509 Sep 15 j 15:02	19° $\approx$ 58'57'20	
	1508 Oct 25 j 23:28	0° $\approx$		asc. node	1509 Sep 17 j 19:16	19° $\approx$ 58'21'26	
morning set	1508 Oct 31 j 06:27	8° $\approx$ 58'28'41		direct	1509 Sep 18 j 06:53	19° $\approx$ 58'20'12	
desc. node	1508 Nov 08 j 13:14	21° $\approx$ 58'40'41		morning max el	1509 Sep 24 j 19:00	22° $\approx$ 58'48'34	18°02'51
	1508 Nov 13 j 19:48	0° $\approx$			1509 Sep 30 j 11:05	0° $\approx$	
superior conj	1508 Nov 16 j 00:20	3° $\approx$ 58'26'27	-0°48'21	morning set	1509 Oct 12 j 13:08	19° $\approx$ 58'39'02	
minimum elong	1508 Nov 15 j 18:09	3° $\approx$ 58'02'11	0°47'33		1509 Oct 18 j 18:31	0° $\approx$	
max. Earth dist.	1508 Nov 16 j 17:35	4° $\approx$ 58'34'14	1.45121 AU	superior conj	1509 Oct 26 j 08:25	12° $\approx$ 58'18'05	0°00'31
evening rise	1508 Dec 02 j 01:04	28° $\approx$ 58'41'08		minimum elong	1509 Oct 26 j 08:29	12° $\approx$ 58'18'21	0°00'30
	1508 Dec 02 j 20:59	0° $\approx$		behind sun begin	1509 Oct 25 j 21:55	11° $\approx$ 58'36'00	
greatest brilliancy	1508 Dec 11 j 07:03	13° $\approx$ 58'18'41	-0.8m	behind sun end	1509 Oct 26 j 19:03	13° $\approx$ 58'00'38	
	1508 Dec 22 j 22:48	0° $\approx$		desc. node	1509 Oct 26 j 10:14	12° $\approx$ 58'25'23	
evening max el	1508 Dec 24 j 10:52	1° $\approx$ 58'38'59	19°04'29	max. Earth dist.	1509 Oct 30 j 12:16	18° $\approx$ 58'54'59	1.44784 AU
asc. node	1508 Dec 27 j 21:27	4° $\approx$ 58'30'08			1509 Nov 06 j 14:01	0° $\approx$	
retrograde	1508 Dec 31 j 09:02	5° $\approx$ 58'35'26		evening rise	1509 Nov 11 j 17:52	7° $\approx$ 58'59'52	
evening set	1509 Jan 03 j 16:32	4° $\approx$ 58'31'42		greatest brilliancy	1509 Nov 25 j 14:04	29° $\approx$ 58'05'07	-0.6m
	1509 Jan 08 j 06:59	30° $\approx$ 58'30'17			1509 Nov 26 j 04:54	0° $\approx$	
inferior conj	1509 Jan 09 j 07:19	28° $\approx$ 58'43'54	3°21'07				

evening max el	1509 Dec 07 j 16:20	15° $\text{♄}$ 07'29	19°56'47	asc. node	1510 Dec 01 j 15:32	3° $\text{♄}$ 05'24	
asc. node	1509 Dec 14 j 18:30	19° $\text{♄}$ 32'28		evening set	1510 Dec 03 j 05:10	2° $\text{♄}$ 07'06	
retrograde	1509 Dec 15 j 06:37	19° $\text{♄}$ 33'54			1510 Dec 05 j 10:03	30° $\text{♄}$	
evening set	1509 Dec 18 j 21:51	18° $\text{♄}$ 16'39		inferior conj	1510 Dec 08 j 14:02	25° $\text{♄}$ 54'47	2°12'27
inferior conj	1509 Dec 24 j 08:44	12° $\text{♄}$ 14'59	2°51'01	minimum elong	1510 Dec 08 j 11:33	26° $\text{♄}$ 03'20	2°11'36
minimum elong	1509 Dec 24 j 06:04	12° $\text{♄}$ 23'53	2°50'19	min. Earth dist.	1510 Dec 08 j 23:56	25° $\text{♄}$ 20'44	0.67492 AU
min. Earth dist.	1509 Dec 25 j 06:58	11° $\text{♄}$ 00'47	0.66847 AU	morning rise	1510 Dec 13 j 17:44	19° $\text{♄}$ 41'36	
morning rise	1509 Dec 29 j 14:05	6° $\text{♄}$ 01'49		direct	1510 Dec 19 j 01:14	17° $\text{♄}$ 22'10	
direct	1510 Jan 04 j 12:20	3° $\text{♄}$ 23'24		morning max el	1510 Dec 29 j 18:37	23° $\text{♄}$ 45'50	23°48'02
morning max el	1510 Jan 16 j 10:14	10° $\text{♄}$ 29'32	25°14'39		1511 Jan 04 j 07:34	0° $\text{♄}$	
desc. node	1510 Jan 22 j 09:26	17° $\text{♄}$ 12'26		desc. node	1511 Jan 09 j 06:28	6° $\text{♄}$ 21'52	
	1510 Jan 31 j 22:49	0° $\text{♄}$			1511 Jan 25 j 08:59	0° $\text{♄}$	
	1510 Feb 19 j 17:17	0° $\text{♄}$		morning set	1511 Feb 03 j 06:21	14° $\text{♄}$ 36'40	
morning set	1510 Feb 21 j 15:47	3° $\text{♄}$ 27'03		max. Earth dist.	1511 Feb 07 j 03:21	21° $\text{♄}$ 21'06	1.38606 AU
max. Earth dist.	1510 Feb 25 j 08:20	10° $\text{♄}$ 13'16	1.36548 AU		1511 Feb 11 j 22:03	0° $\text{♄}$	
superior conj	1510 Mar 03 j 10:41	21° $\text{♄}$ 58'11	-1°25'24	superior conj	1511 Feb 14 j 11:45	4° $\text{♄}$ 48'13	-1°47'11
minimum elong	1510 Mar 03 j 14:40	22° $\text{♄}$ 17'52	1°24'51	minimum elong	1511 Feb 14 j 15:49	5° $\text{♄}$ 07'24	1°46'48
	1510 Mar 07 j 10:50	0° $\text{♄}$		evening rise	1511 Feb 23 j 13:12	22° $\text{♄}$ 20'41	
evening rise	1510 Mar 11 j 16:19	8° $\text{♄}$ 34'18		asc. node	1511 Feb 27 j 14:50	0° $\text{♄}$ 10'42	
asc. node	1510 Mar 12 j 17:49	10° $\text{♄}$ 42'27			1511 Feb 27 j 12:34	0° $\text{♄}$	
	1510 Mar 23 j 12:51	0° $\text{♄}$		evening max el	1511 Mar 11 j 23:12	18° $\text{♄}$ 50'46	18°49'48
evening max el	1510 Mar 29 j 00:37	6° $\text{♄}$ 41'18	19°40'55	retrograde	1511 Mar 20 j 04:30	22° $\text{♄}$ 50'22	
retrograde	1510 Apr 07 j 18:26	11° $\text{♄}$ 23'05		evening set	1511 Mar 22 j 10:40	22° $\text{♄}$ 33'30	
evening set	1510 Apr 09 j 19:39	11° $\text{♄}$ 11'31		inferior conj	1511 Mar 30 j 08:09	18° $\text{♄}$ 14'23	2°07'00
inferior conj	1510 Apr 18 j 12:32	7° $\text{♄}$ 08'39	0°31'37	minimum elong	1511 Mar 30 j 12:09	18° $\text{♄}$ 07'05	2°05'50
minimum elong	1510 Apr 18 j 13:54	7° $\text{♄}$ 06'30	0°31'08	min. Earth dist.	1511 Apr 02 j 14:31	15° $\text{♄}$ 52'54	0.57273 AU
desc. node	1510 Apr 20 j 08:37	5° $\text{♄}$ 59'24		morning rise	1511 Apr 07 j 10:31	13° $\text{♄}$ 05'12	
min. Earth dist.	1510 Apr 20 j 21:59	5° $\text{♄}$ 38'46	0.55723 AU	desc. node	1511 Apr 07 j 05:39	13° $\text{♄}$ 10'33	
morning rise	1510 Apr 27 j 05:35	2° $\text{♄}$ 33'01		direct	1511 Apr 12 j 20:55	11° $\text{♄}$ 53'35	
direct	1510 May 01 j 13:54	1° $\text{♄}$ 50'48		morning max el	1511 Apr 27 j 04:45	19° $\text{♄}$ 22'43	26°05'22
morning max el	1510 May 15 j 13:33	8° $\text{♄}$ 51'29	24°33'12		1511 May 06 j 04:31	0° $\text{♄}$	
	1510 May 31 j 04:10	0° $\text{♄}$			1511 May 23 j 13:40	0° $\text{♄}$	
asc. node	1510 Jun 08 j 17:07	16° $\text{♄}$ 21'14		morning set	1511 May 25 j 10:42	3° $\text{♄}$ 54'09	
morning set	1510 Jun 09 j 23:25	18° $\text{♄}$ 59'45		asc. node	1511 May 26 j 14:08	6° $\text{♄}$ 19'39	
	1510 Jun 15 j 02:01	0° $\text{♄}$		superior conj	1511 Jun 01 j 10:28	19° $\text{♄}$ 03'48	0°58'18
superior conj	1510 Jun 16 j 23:17	4° $\text{♄}$ 06'22	1°17'22	minimum elong	1511 Jun 01 j 08:17	18° $\text{♄}$ 51'47	0°57'54
minimum elong	1510 Jun 16 j 20:52	3° $\text{♄}$ 53'11	1°17'01	max. Earth dist.	1511 Jun 02 j 00:23	20° $\text{♄}$ 20'11	1.32418 AU
max. Earth dist.	1510 Jun 18 j 14:17	7° $\text{♄}$ 37'25	1.32992 AU		1511 Jun 06 j 11:20	0° $\text{♄}$	
evening rise	1510 Jun 24 j 05:52	19° $\text{♄}$ 29'56		evening rise	1511 Jun 08 j 10:18	4° $\text{♄}$ 07'22	
	1510 Jun 29 j 14:31	0° $\text{♄}$			1511 Jun 22 j 08:16	0° $\text{♄}$	
desc. node	1510 Jul 17 j 07:57	28° $\text{♄}$ 31'32		desc. node	1511 Jul 04 j 04:58	16° $\text{♄}$ 44'15	
	1510 Jul 18 j 10:52	0° $\text{♄}$		evening max el	1511 Jul 09 j 11:36	22° $\text{♄}$ 23'18	27°03'45
evening max el	1510 Jul 27 j 05:35	9° $\text{♄}$ 56'30	27°25'28	retrograde	1511 Jul 23 j 09:17	29° $\text{♄}$ 37'49	
retrograde	1510 Aug 09 j 22:54	17° $\text{♄}$ 14'34		evening set	1511 Jul 30 j 10:08	27° $\text{♄}$ 24'50	
evening set	1510 Aug 17 j 03:49	14° $\text{♄}$ 39'18		min. Earth dist.	1511 Aug 03 j 01:52	24° $\text{♄}$ 42'38	0.61224 AU
min. Earth dist.	1510 Aug 20 j 18:20	11° $\text{♄}$ 35'45	0.61319 AU	inferior conj	1511 Aug 06 j 05:47	21° $\text{♄}$ 57'33	-4°23'58
inferior conj	1510 Aug 23 j 12:04	8° $\text{♄}$ 53'35	-3°39'14	minimum elong	1511 Aug 06 j 10:32	21° $\text{♄}$ 47'11	4°23'06
minimum elong	1510 Aug 23 j 17:14	8° $\text{♄}$ 40'49	3°37'47	morning rise	1511 Aug 13 j 12:36	17° $\text{♄}$ 05'20	
morning rise	1510 Aug 30 j 07:58	3° $\text{♄}$ 40'53		direct	1511 Aug 15 j 22:57	16° $\text{♄}$ 41'14	
direct	1510 Sep 01 j 19:40	3° $\text{♄}$ 11'42		asc. node	1511 Aug 22 j 13:21	19° $\text{♄}$ 45'23	
asc. node	1510 Sep 04 j 16:19	3° $\text{♄}$ 51'06		morning max el	1511 Aug 23 j 00:59	20° $\text{♄}$ 12'49	17°59'46
morning max el	1510 Sep 08 j 11:04	6° $\text{♄}$ 37'32	17°51'58		1511 Aug 30 j 07:53	0° $\text{♄}$	
	1510 Sep 23 j 16:57	0° $\text{♄}$		morning set	1511 Sep 07 j 21:44	15° $\text{♄}$ 13'56	
morning set	1510 Sep 24 j 20:20	2° $\text{♄}$ 00'25			1511 Sep 16 j 00:16	0° $\text{♄}$	
superior conj	1510 Oct 06 j 15:55	22° $\text{♄}$ 20'26	0°43'56	superior conj	1511 Sep 18 j 02:32	3° $\text{♄}$ 42'27	1°15'56
minimum elong	1510 Oct 06 j 20:00	22° $\text{♄}$ 37'26	0°43'24	minimum elong	1511 Sep 18 j 07:03	4° $\text{♄}$ 02'15	1°15'27
	1510 Oct 11 j 07:35	0° $\text{♄}$		max. Earth dist.	1511 Sep 25 j 16:03	16° $\text{♄}$ 37'12	1.42180 AU
max. Earth dist.	1510 Oct 13 j 04:19	3° $\text{♄}$ 00'52	1.43761 AU	desc. node	1511 Sep 30 j 04:18	23° $\text{♄}$ 58'55	
desc. node	1510 Oct 13 j 07:16	3° $\text{♄}$ 12'41		evening rise	1511 Oct 01 j 18:04	26° $\text{♄}$ 29'48	
evening rise	1510 Oct 22 j 01:46	17° $\text{♄}$ 01'37			1511 Oct 03 j 23:21	0° $\text{♄}$	
	1510 Oct 30 j 14:23	0° $\text{♄}$			1511 Oct 24 j 10:23	0° $\text{♄}$	
evening max el	1510 Nov 20 j 16:24	28° $\text{♄}$ 37'19	21°02'29	evening max el	1511 Nov 03 j 11:01	12° $\text{♄}$ 08'28	22°17'49
	1510 Nov 22 j 02:24	0° $\text{♄}$		retrograde	1511 Nov 13 j 00:11	17° $\text{♄}$ 49'04	
retrograde	1510 Nov 29 j 04:15	3° $\text{♄}$ 39'30		evening set	1511 Nov 17 j 12:45	15° $\text{♄}$ 59'57	

asc. node	1511 Nov 18 j 12:34	15°♊06'14		retrograde	1512 Oct 26 j 17:10	1°♊59'47	
inferior conj	1511 Nov 22 j 21:11	9°♊40'23	1°27'10	evening set	1512 Oct 31 j 19:01	29°♌53'15	
minimum elong	1511 Nov 22 j 19:19	9°♊46'50	1°26'26		1512 Oct 31 j 15:47	30°♌	
min. Earth dist.	1511 Nov 22 j 19:53	9°♊44'55	0.67780 AU	asc. node	1512 Nov 04 j 09:37	25°♌54'17	
morning rise	1511 Nov 28 j 01:45	3°♊29'15		min. Earth dist.	1512 Nov 05 j 16:29	24°♌10'50	0.67726 AU
direct	1511 Dec 02 j 18:15	1°♊32'17		inferior conj	1512 Nov 06 j 04:24	23°♌30'09	0°36'37
morning max el	1511 Dec 12 j 05:36	7°♊07'44	22°20'11	minimum elong	1512 Nov 06 j 03:32	23°♌33'06	0°36'15
desc. node	1511 Dec 27 j 03:30	26°♊03'55		morning rise	1512 Nov 11 j 12:01	17°♌23'09	
	1511 Dec 29 j 20:59	0°♊		direct	1512 Nov 15 j 14:21	15°♌48'55	
morning set	1512 Jan 14 j 16:36	24°♊22'32		morning max el	1512 Nov 23 j 22:44	20°♌39'43	20°59'03
	1512 Jan 18 j 02:40	0°♊			1512 Dec 01 j 17:10	0°♊	
max. Earth dist.	1512 Jan 20 j 00:01	3°♊10'08	1.40752 AU	desc. node	1512 Dec 13 j 00:35	16°♊09'40	
					1512 Dec 22 j 03:00	0°♊	
superior conj	1512 Jan 27 j 19:19	16°♊44'46	-2°01'20	morning set	1512 Dec 23 j 23:45	2°♊54'11	
minimum elong	1512 Jan 27 j 21:40	16°♊55'18	2°01'14	max. Earth dist.	1513 Jan 01 j 03:49	15°♊56'08	1.42688 AU
	1512 Feb 04 j 00:46	0°♊					
evening rise	1512 Feb 06 j 23:39	5°♊32'07		superior conj	1513 Jan 08 j 04:05	27°♊35'40	-2°03'16
asc. node	1512 Feb 14 j 11:52	19°♊14'46		minimum elong	1513 Jan 08 j 02:17	27°♊28'00	2°03'14
	1512 Feb 21 j 19:15	0°♊			1513 Jan 09 j 13:57	0°♊	
evening max el	1512 Feb 23 j 05:33	1°♊30'52	18°18'46	evening rise	1513 Jan 19 j 19:50	18°♊00'45	
retrograde	1512 Mar 01 j 09:45	5°♊04'58			1513 Jan 26 j 14:13	0°♊	
evening set	1512 Mar 03 j 21:45	4°♊40'01		asc. node	1513 Jan 31 j 08:55	7°♊46'59	
inferior conj	1512 Mar 11 j 01:01	0°♊00'08	3°08'22	evening max el	1513 Feb 05 j 16:28	14°♊32'48	18°07'28
minimum elong	1512 Mar 11 j 04:28	29°♊52'47	3°07'42	retrograde	1513 Feb 12 j 07:15	17°♊57'12	
	1512 Mar 11 j 01:05	30°♊		evening set	1513 Feb 15 j 00:20	17°♊22'46	
min. Earth dist.	1512 Mar 14 j 11:15	27°♊06'36	0.59284 AU	inferior conj	1513 Feb 21 j 13:00	12°♊21'54	3°38'36
morning rise	1512 Mar 18 j 08:44	24°♊24'09		minimum elong	1513 Feb 21 j 14:30	12°♊18'13	3°38'29
desc. node	1512 Mar 24 j 02:40	22°♊36'56		min. Earth dist.	1513 Feb 24 j 15:15	9°♊20'54	0.61416 AU
direct	1512 Mar 24 j 16:46	22°♊36'00		morning rise	1513 Feb 28 j 03:05	6°♊28'23	
	1512 Apr 07 j 16:14	0°♊		direct	1513 Mar 06 j 23:23	4°♊06'27	
morning max el	1512 Apr 08 j 00:53	0°♊21'01	27°13'14	desc. node	1513 Mar 10 j 23:43	4°♊50'59	
	1512 Apr 29 j 04:16	0°♊		morning max el	1513 Mar 21 j 03:31	11°♊59'59	27°46'32
morning set	1512 May 08 j 19:46	18°♊40'48			1513 Apr 04 j 08:43	0°♊	
asc. node	1512 May 12 j 11:10	26°♊26'15			1513 Apr 21 j 10:48	0°♊	
	1512 May 14 j 02:24	0°♊		morning set	1513 Apr 23 j 00:41	3°♊12'10	
superior conj	1512 May 15 j 22:16	4°♊00'46	0°35'54	max. Earth dist.	1513 Apr 28 j 23:52	15°♊50'28	1.32397 AU
minimum elong	1512 May 15 j 20:44	3°♊52'24	0°35'36	asc. node	1513 Apr 29 j 08:13	16°♊35'50	
max. Earth dist.	1512 May 15 j 12:56	3°♊09'30	1.32218 AU	superior conj	1513 Apr 30 j 08:54	18°♊50'25	0°10'52
evening rise	1512 May 22 j 19:14	18°♊56'38		minimum elong	1513 Apr 30 j 08:24	18°♊47'41	0°10'45
	1512 May 28 j 06:06	0°♊		behind sun begin	1513 Apr 30 j 04:38	18°♊27'05	
	1512 Jun 16 j 13:49	0°♊		behind sun end	1513 Apr 30 j 12:10	19°♊08'17	
desc. node	1512 Jun 20 j 01:59	3°♊43'06			1513 May 05 j 11:40	0°♊	
evening max el	1512 Jun 20 j 11:00	4°♊04'48	26°09'19	evening rise	1513 May 07 j 06:31	3°♊49'19	
retrograde	1512 Jul 04 j 10:59	11°♊15'49			1513 May 21 j 07:29	0°♊	
evening set	1512 Jul 10 j 19:50	9°♊36'51		evening max el	1513 Jun 02 j 03:26	15°♊01'14	24°48'22
min. Earth dist.	1512 Jul 14 j 23:42	7°♊00'06	0.59168 AU	desc. node	1513 Jun 06 j 23:00	18°♊57'21	
inferior conj	1512 Jul 18 j 07:09	4°♊30'03	-4°51'31	retrograde	1513 Jun 16 j 02:22	22°♊05'54	
minimum elong	1512 Jul 18 j 09:18	4°♊25'58	4°51'23	evening set	1513 Jun 21 j 05:59	21°♊05'39	
morning rise	1512 Jul 26 j 00:54	0°♊00'40		min. Earth dist.	1513 Jun 26 j 14:43	18°♊16'07	0.57212 AU
	1512 Jul 26 j 01:52	30°♊		inferior conj	1513 Jun 29 j 12:58	16°♊20'51	-4°49'39
direct	1512 Jul 28 j 12:28	29°♊39'36		minimum elong	1513 Jun 29 j 10:15	16°♊25'20	4°49'27
	1512 Jul 30 j 21:32	0°♊		morning rise	1513 Jul 07 j 17:16	12°♊13'15	
morning max el	1512 Aug 05 j 09:41	3°♊26'29	18°27'27	direct	1513 Jul 10 j 07:45	11°♊54'02	
asc. node	1512 Aug 08 j 10:24	6°♊49'42		morning max el	1513 Jul 19 j 10:06	16°♊08'38	19°16'08
morning set	1512 Aug 21 j 12:05	29°♊05'11		asc. node	1513 Jul 26 j 07:28	24°♊48'34	
	1512 Aug 21 j 23:30	0°♊			1513 Jul 29 j 10:31	0°♊	
superior conj	1512 Aug 30 j 12:26	16°♊13'36	1°35'46	morning set	1513 Aug 05 j 11:27	13°♊22'53	
minimum elong	1512 Aug 30 j 15:25	16°♊27'26	1°35'32	superior conj	1513 Aug 13 j 15:50	29°♊37'10	1°44'55
max. Earth dist.	1512 Sep 06 j 22:40	29°♊32'18	1.40241 AU	minimum elong	1513 Aug 13 j 16:51	29°♊42'07	1°44'52
	1512 Sep 07 j 05:04	0°♊			1513 Aug 13 j 20:32	0°♊	
evening rise	1512 Sep 11 j 07:23	6°♊56'40		max. Earth dist.	1513 Aug 20 j 02:11	11°♊45'24	1.38194 AU
desc. node	1512 Sep 16 j 01:21	14°♊40'41		evening rise	1513 Aug 23 j 20:55	18°♊31'11	
	1512 Sep 26 j 01:53	0°♊			1513 Aug 30 j 16:01	0°♊	
evening max el	1512 Oct 16 j 01:21	25°♊42'18	23°37'38	desc. node	1513 Sep 02 j 22:23	5°♊13'25	
	1512 Oct 21 j 03:25	0°♊			1513 Sep 20 j 08:13	0°♊	

evening max el	1513 Sep 28 j 13:27	9° $\mathbb{M}$ 19'24	24°55'36	evening rise	1514 Aug 06 j 07:52	1° $\mathbb{M}$ 07'21	
retrograde	1513 Oct 10 j 06:15	16° $\mathbb{M}$ 07'18		desc. node	1514 Aug 20 j 19:23	25° $\mathbb{M}$ 32'02	
evening set	1513 Oct 15 j 22:19	13° $\mathbb{M}$ 44'17			1514 Aug 23 j 18:35	0° $\mathbb{A}$	
min. Earth dist.	1513 Oct 20 j 11:25	8° $\mathbb{M}$ 36'00	0.67335 AU	evening max el	1514 Sep 11 j 01:16	22° $\mathbb{A}$ 58'13	26°04'16
inferior conj	1513 Oct 21 j 09:56	7° $\mathbb{M}$ 21'45	-0°17'54		1514 Sep 22 j 07:32	0° $\mathbb{M}$	
minimum elong	1513 Oct 21 j 10:23	7° $\mathbb{M}$ 20'17	0°17'42	retrograde	1514 Sep 23 j 14:35	0° $\mathbb{M}$ 05'56	
asc. node	1513 Oct 22 j 06:41	6° $\mathbb{M}$ 13'51			1514 Sep 24 j 20:48	30° $\mathbb{R}$ $\mathbb{A}$	
morning rise	1513 Oct 26 j 22:35	1° $\mathbb{M}$ 21'15		evening set	1514 Sep 29 j 20:43	27° $\mathbb{A}$ 29'41	
direct	1513 Oct 30 j 12:24	0° $\mathbb{M}$ 07'34		min. Earth dist.	1514 Oct 04 j 02:16	22° $\mathbb{A}$ 57'06	0.66613 AU
morning max el	1513 Nov 06 j 23:41	4° $\mathbb{M}$ 22'50	19°49'49	inferior conj	1514 Oct 05 j 11:56	21° $\mathbb{A}$ 12'06	-1°15'00
	1513 Nov 25 j 14:57	0° $\mathbb{A}$		minimum elong	1514 Oct 05 j 13:53	21° $\mathbb{A}$ 05'59	1°14'10
desc. node	1513 Nov 29 j 21:38	6° $\mathbb{A}$ 32'28		asc. node	1514 Oct 09 j 03:45	17° $\mathbb{A}$ 01'49	
morning set	1513 Dec 02 j 19:59	11° $\mathbb{A}$ 03'23		morning rise	1514 Oct 11 j 07:26	15° $\mathbb{A}$ 20'44	
max. Earth dist.	1513 Dec 14 j 14:55	29° $\mathbb{A}$ 31'00	1.44152 AU	direct	1514 Oct 14 j 10:51	14° $\mathbb{A}$ 24'09	
	1513 Dec 14 j 22:12	0° $\mathbb{B}$		morning max el	1514 Oct 21 j 07:46	18° $\mathbb{A}$ 13'57	18°55'17
					1514 Oct 30 j 08:21	0° $\mathbb{M}$	
superior conj	1513 Dec 19 j 10:31	7° $\mathbb{B}$ 14'52	-1°48'14	morning set	1514 Nov 12 j 06:10	20° $\mathbb{M}$ 00'33	
minimum elong	1513 Dec 19 j 03:28	6° $\mathbb{B}$ 46'21	1°47'44	desc. node	1514 Nov 16 j 18:40	27° $\mathbb{M}$ 06'39	
evening rise	1514 Jan 01 j 21:29	29° $\mathbb{B}$ 38'37			1514 Nov 18 j 14:51	0° $\mathbb{A}$	
	1514 Jan 02 j 02:30	0° $\mathbb{A}$		max. Earth dist.	1514 Nov 27 j 07:08	13° $\mathbb{A}$ 37'18	1.44977 AU
asc. node	1514 Jan 18 j 05:58	25° $\mathbb{A}$ 38'00					
evening max el	1514 Jan 20 j 05:04	27° $\mathbb{A}$ 49'32	18°15'21	superior conj	1514 Nov 28 j 18:18	15° $\mathbb{A}$ 55'41	-1°14'25
	1514 Jan 22 j 19:27	0° $\mathbb{H}$		minimum elong	1514 Nov 28 j 09:52	15° $\mathbb{A}$ 22'28	1°13'28
retrograde	1514 Jan 26 j 16:17	1° $\mathbb{H}$ 17'35			1514 Dec 07 j 15:07	0° $\mathbb{B}$	
evening set	1514 Jan 29 j 14:21	0° $\mathbb{H}$ 32'41		evening rise	1514 Dec 14 j 00:33	10° $\mathbb{B}$ 18'20	
	1514 Jan 30 j 12:56	30° $\mathbb{R}$ $\mathbb{A}$			1514 Dec 26 j 06:50	0° $\mathbb{A}$	
inferior conj	1514 Feb 04 j 16:08	25° $\mathbb{A}$ 12'14	3°44'52	evening max el	1515 Jan 03 j 16:36	11° $\mathbb{A}$ 14'02	18°41'37
minimum elong	1514 Feb 04 j 15:41	25° $\mathbb{A}$ 13'27	3°44'52	asc. node	1515 Jan 05 j 03:01	12° $\mathbb{A}$ 34'50	
min. Earth dist.	1514 Feb 07 j 04:32	22° $\mathbb{A}$ 26'03	0.63397 AU	retrograde	1515 Jan 10 j 08:38	14° $\mathbb{A}$ 57'04	
morning rise	1514 Feb 10 j 16:09	19° $\mathbb{A}$ 08'35		evening set	1515 Jan 13 j 12:20	14° $\mathbb{A}$ 00'38	
direct	1514 Feb 17 j 14:56	16° $\mathbb{A}$ 24'06		inferior conj	1515 Jan 19 j 06:24	8° $\mathbb{A}$ 22'21	3°33'37
desc. node	1514 Feb 25 j 20:46	19° $\mathbb{A}$ 31'24		minimum elong	1515 Jan 19 j 04:35	8° $\mathbb{A}$ 27'52	3°33'23
morning max el	1514 Mar 03 j 11:04	24° $\mathbb{A}$ 19'05	27°42'23	min. Earth dist.	1515 Jan 21 j 03:18	6° $\mathbb{A}$ 06'35	0.65055 AU
	1514 Mar 08 j 14:35	0° $\mathbb{H}$		morning rise	1515 Jan 24 j 20:23	2° $\mathbb{A}$ 13'13	
	1514 Mar 28 j 17:19	0° $\mathbb{Y}$			1515 Jan 28 j 07:48	30° $\mathbb{R}$ $\mathbb{B}$	
morning set	1514 Apr 06 j 23:07	17° $\mathbb{Y}$ 20'55		direct	1515 Jan 31 j 13:40	29° $\mathbb{B}$ 21'00	
max. Earth dist.	1514 Apr 12 j 05:06	28° $\mathbb{Y}$ 09'31	1.32987 AU		1515 Feb 04 j 00:30	0° $\mathbb{A}$	
	1514 Apr 13 j 01:56	0° $\mathbb{B}$		desc. node	1515 Feb 12 j 17:49	6° $\mathbb{A}$ 01'31	
				morning max el	1515 Feb 13 j 20:35	7° $\mathbb{A}$ 07'02	27°04'21
superior conj	1514 Apr 14 j 16:41	3° $\mathbb{B}$ 27'18	-0°16'02		1515 Mar 03 j 13:07	0° $\mathbb{H}$	
minimum elong	1514 Apr 14 j 17:28	3° $\mathbb{B}$ 31'30	0°15'52		1515 Mar 21 j 00:10	0° $\mathbb{Y}$	
behind sun begin	1514 Apr 14 j 17:04	3° $\mathbb{B}$ 29'19		morning set	1515 Mar 21 j 12:00	0° $\mathbb{Y}$ 56'58	
behind sun end	1514 Apr 14 j 17:52	3° $\mathbb{B}$ 33'41		max. Earth dist.	1515 Mar 26 j 00:47	9° $\mathbb{Y}$ 55'57	1.34019 AU
asc. node	1514 Apr 16 j 05:16	6° $\mathbb{B}$ 44'28					
evening rise	1514 Apr 21 j 18:19	18° $\mathbb{B}$ 39'17		superior conj	1515 Mar 29 j 19:33	17° $\mathbb{Y}$ 44'41	-0°43'44
	1514 Apr 27 j 08:29	0° $\mathbb{H}$		minimum elong	1515 Mar 29 j 21:44	17° $\mathbb{Y}$ 56'08	0°43'18
evening max el	1514 May 14 j 17:19	25° $\mathbb{H}$ 32'39	23°13'38	asc. node	1515 Apr 03 j 02:19	26° $\mathbb{Y}$ 47'43	
	1514 May 20 j 10:48	0° $\mathbb{B}$			1515 Apr 04 j 14:39	0° $\mathbb{B}$	
desc. node	1514 May 24 j 20:00	1° $\mathbb{B}$ 50'55		evening rise	1515 Apr 06 j 04:45	3° $\mathbb{B}$ 20'03	
retrograde	1514 May 28 j 05:32	2° $\mathbb{B}$ 17'12			1515 Apr 21 j 04:27	0° $\mathbb{H}$	
evening set	1514 May 31 j 21:08	1° $\mathbb{B}$ 47'57		evening max el	1515 Apr 26 j 12:06	6° $\mathbb{H}$ 10'14	21°40'08
	1514 Jun 05 j 10:23	30° $\mathbb{R}$ $\mathbb{H}$		retrograde	1515 May 08 j 21:12	12° $\mathbb{H}$ 14'00	
min. Earth dist.	1514 Jun 08 j 03:02	28° $\mathbb{H}$ 31'15	0.55699 AU	evening set	1515 May 11 j 09:09	11° $\mathbb{H}$ 59'57	
inferior conj	1514 Jun 09 j 22:58	27° $\mathbb{H}$ 26'49	-4°04'47	desc. node	1515 May 11 j 17:00	11° $\mathbb{H}$ 56'06	
minimum elong	1514 Jun 09 j 15:47	27° $\mathbb{H}$ 37'23	4°03'15	inferior conj	1515 May 20 j 19:06	7° $\mathbb{H}$ 58'08	-2°33'24
morning rise	1514 Jun 18 j 13:02	23° $\mathbb{H}$ 32'50		minimum elong	1515 May 20 j 12:20	8° $\mathbb{H}$ 07'37	2°31'12
direct	1514 Jun 21 j 07:44	23° $\mathbb{H}$ 14'11		min. Earth dist.	1515 May 20 j 15:12	8° $\mathbb{H}$ 03'35	0.54960 AU
morning max el	1514 Jul 01 j 23:47	28° $\mathbb{H}$ 10'29	20°25'59	morning rise	1515 May 29 j 16:25	4° $\mathbb{H}$ 02'14	
	1514 Jul 03 j 19:28	0° $\mathbb{B}$		direct	1515 Jun 01 j 19:23	3° $\mathbb{H}$ 40'48	
asc. node	1514 Jul 13 j 04:32	13° $\mathbb{B}$ 29'17		morning max el	1515 Jun 14 j 02:06	9° $\mathbb{H}$ 28'10	21°54'37
morning set	1514 Jul 20 j 16:58	27° $\mathbb{B}$ 59'18			1515 Jun 28 j 15:14	0° $\mathbb{B}$	
	1514 Jul 21 j 16:31	0° $\mathbb{Q}$		asc. node	1515 Jun 30 j 01:35	2° $\mathbb{B}$ 41'39	
				morning set	1515 Jul 05 j 02:24	12° $\mathbb{B}$ 48'20	
superior conj	1514 Jul 28 j 07:49	13° $\mathbb{Q}$ 38'46	1°45'20				
minimum elong	1514 Jul 28 j 07:10	13° $\mathbb{Q}$ 35'27	1°45'18	superior conj	1515 Jul 12 j 08:33	28° $\mathbb{B}$ 07'02	1°38'45
max. Earth dist.	1514 Aug 02 j 08:18	23° $\mathbb{Q}$ 36'07	1.36290 AU	minimum elong	1515 Jul 12 j 06:45	27° $\mathbb{B}$ 57'39	1°38'37
	1514 Aug 05 j 17:19	0° $\mathbb{M}$			1515 Jul 13 j 06:09	0° $\mathbb{Q}$	

































































































































max. Earth dist.	1515 Jul 15 j 22:28	5°Ω31'31	1.34700 AU	max. Earth dist.	1516 Jun 27 j 22:06	17° <del>Ω</del> 46'20	1.33499 AU
evening rise	1515 Jul 20 j 11:35	14°Ω32'45		evening rise	1516 Jul 03 j 03:35	28° <del>Ω</del> 34'09	
	1515 Jul 28 j 23:16	0° <del>Π</del>			1516 Jul 03 j 20:49	0°Ω	
desc. node	1515 Aug 07 j 16:21	15° <del>Π</del> 30'01			1516 Jul 21 j 03:00	0° <del>Π</del>	
	1515 Aug 18 j 12:01	0° <del>Ω</del>		desc. node	1516 Jul 24 j 13:21	4° <del>Π</del> 57'53	
evening max el	1515 Aug 24 j 13:36	6° <del>Ω</del> 33'00	26°55'53	evening max el	1516 Aug 06 j 01:11	19° <del>Π</del> 51'13	27°23'10
retrograde	1515 Sep 06 j 17:29	13° <del>Ω</del> 49'36		retrograde	1516 Aug 19 j 14:22	27° <del>Π</del> 09'18	
evening set	1515 Sep 13 j 12:04	11° <del>Ω</del> 06'05		evening set	1516 Aug 26 j 17:32	24° <del>Π</del> 27'34	
min. Earth dist.	1515 Sep 17 j 10:39	7° <del>Ω</del> 10'10	0.65544 AU	min. Earth dist.	1516 Aug 30 j 10:15	21° <del>Π</del> 06'42	0.64118 AU
inferior conj	1515 Sep 19 j 08:22	4° <del>Ω</del> 57'57	-2°12'51	inferior conj	1516 Sep 01 j 20:46	18° <del>Π</del> 32'59	-3°09'02
minimum elong	1515 Sep 19 j 11:52	4° <del>Ω</del> 47'49	2°11'30	minimum elong	1516 Sep 02 j 01:32	18° <del>Π</del> 20'26	3°07'30
	1515 Sep 24 j 09:05	30° <del>℞</del> <del>Π</del>		morning rise	1516 Sep 08 j 10:34	13° <del>Π</del> 09'40	
morning rise	1515 Sep 25 j 12:20	29° <del>Π</del> 18'51		direct	1516 Sep 11 j 00:27	12° <del>Π</del> 36'09	
asc. node	1515 Sep 26 j 00:47	29° <del>Π</del> 04'26		asc. node	1516 Sep 11 j 21:50	12° <del>Π</del> 40'12	
direct	1515 Sep 28 j 07:45	28° <del>Π</del> 35'34		morning max el	1516 Sep 17 j 12:56	16° <del>Π</del> 02'12	17°56'03
	1515 Oct 02 j 08:06	0° <del>Ω</del>			1516 Sep 27 j 10:56	0° <del>Ω</del>	
morning max el	1515 Oct 04 j 21:04	2° <del>Ω</del> 09'14	18°17'05	morning set	1516 Oct 04 j 14:32	12° <del>Ω</del> 07'26	
morning set	1515 Oct 23 j 20:34	0° <del>ℳ</del> 23'54			1516 Oct 15 j 05:48	0° <del>ℳ</del>	
	1515 Oct 23 j 14:42	0° <del>ℳ</del>					
desc. node	1515 Nov 03 j 15:42	17° <del>ℳ</del> 48'48		superior conj	1516 Oct 17 j 12:44	3° <del>ℳ</del> 44'27	0°20'06
				minimum elong	1516 Oct 17 j 14:59	3° <del>ℳ</del> 53'32	0°19'47
superior conj	1515 Nov 07 j 19:58	24° <del>ℳ</del> 26'09	-0°27'38	desc. node	1516 Oct 20 j 12:42	8° <del>ℳ</del> 35'01	
minimum elong	1515 Nov 07 j 16:23	24° <del>ℳ</del> 11'59	0°27'09	max. Earth dist.	1516 Oct 22 j 20:42	12° <del>ℳ</del> 18'37	1.44437 AU
max. Earth dist.	1515 Nov 10 j 02:09	27° <del>ℳ</del> 59'34	1.45075 AU	evening rise	1516 Nov 02 j 15:39	29° <del>ℳ</del> 10'20	
	1515 Nov 11 j 08:49	0° <del>♂</del>			1516 Nov 03 j 04:34	0° <del>♂</del>	
evening rise	1515 Nov 24 j 04:29	20° <del>♂</del> 02'57			1516 Nov 23 j 10:47	0° <del>♂</del>	
	1515 Nov 30 j 13:30	0° <del>♂</del>		evening max el	1516 Nov 30 j 04:13	8° <del>♂</del> 12'03	20°23'13
greatest brilliancy	1515 Dec 05 j 15:23	7° <del>♂</del> 50'39	-0.7m	retrograde	1516 Dec 08 j 02:52	12° <del>♂</del> 52'42	
evening max el	1515 Dec 18 j 00:54	24° <del>♂</del> 42'29	19°24'54	asc. node	1516 Dec 08 j 21:04	12° <del>♂</del> 49'28	
asc. node	1515 Dec 23 j 00:03	28° <del>♂</del> 23'32		evening set	1516 Dec 11 j 22:06	11° <del>♂</del> 29'00	
retrograde	1515 Dec 25 j 05:01	28° <del>♂</del> 50'16		inferior conj	1516 Dec 17 j 07:55	5° <del>♂</del> 22'18	2°35'34
evening set	1515 Dec 28 j 15:40	27° <del>♂</del> 40'56		minimum elong	1516 Dec 17 j 05:16	5° <del>♂</del> 31'17	2°34'46
inferior conj	1516 Jan 03 j 04:34	21° <del>♂</del> 47'05	3°09'29	min. Earth dist.	1516 Dec 18 j 00:39	4° <del>♂</del> 25'37	0.67174 AU
minimum elong	1516 Jan 03 j 02:02	21° <del>♂</del> 55'17	3°08'55		1516 Dec 21 j 15:13	30° <del>℞</del> <del>♂</del>	
min. Earth dist.	1516 Jan 04 j 10:37	20° <del>♂</del> 09'43	0.66318 AU	morning rise	1516 Dec 22 j 12:16	29° <del>♂</del> 09'08	
morning rise	1516 Jan 08 j 12:10	15° <del>♂</del> 35'02		direct	1516 Dec 28 j 04:22	26° <del>♂</del> 38'22	
direct	1516 Jan 14 j 18:23	12° <del>♂</del> 48'41			1517 Jan 04 j 19:04	0° <del>♂</del>	
morning max el	1516 Jan 27 j 05:55	20° <del>♂</del> 12'36	25°59'53	morning max el	1517 Jan 08 j 14:28	3° <del>♂</del> 27'00	24°38'33
desc. node	1516 Jan 30 j 14:53	23° <del>♂</del> 50'38		desc. node	1517 Jan 16 j 11:56	12° <del>♂</del> 35'43	
	1516 Feb 04 j 16:04	0° <del>≈</del>			1517 Jan 28 j 21:54	0° <del>≈</del>	
	1516 Feb 24 j 16:09	0° <del>✕</del>		morning set	1517 Feb 13 j 15:42	25° <del>≈</del> 40'34	
morning set	1516 Mar 03 j 11:19	13° <del>✕</del> 48'31			1517 Feb 16 j 01:54	0° <del>✕</del>	
max. Earth dist.	1516 Mar 07 j 08:59	21° <del>✕</del> 11'21	1.35511 AU	max. Earth dist.	1517 Feb 17 j 07:33	2° <del>✕</del> 14'34	1.37401 AU
	1516 Mar 11 j 20:07	0° <del>Υ</del>					
				superior conj	1517 Feb 24 j 00:01	14° <del>✕</del> 51'07	-1°35'20
superior conj	1516 Mar 12 j 15:03	1° <del>Υ</del> 35'34	-1°10'50	minimum elong	1517 Feb 24 j 04:11	15° <del>✕</del> 11'23	1°34'49
minimum elong	1516 Mar 12 j 18:31	1° <del>Υ</del> 53'06	1°10'15		1517 Mar 03 j 15:25	0° <del>Υ</del>	
asc. node	1516 Mar 19 j 23:21	16° <del>Υ</del> 41'31		evening rise	1517 Mar 04 j 13:18	1° <del>Υ</del> 49'09	
evening rise	1516 Mar 20 j 11:51	17° <del>Υ</del> 45'37		asc. node	1517 Mar 06 j 20:22	6° <del>Υ</del> 21'08	
	1516 Mar 26 j 17:19	0° <del>♄</del>		evening max el	1517 Mar 21 j 09:54	29° <del>Υ</del> 06'45	19°16'39
evening max el	1516 Apr 07 j 17:14	17° <del>♄</del> 18'39	20°19'12		1517 Mar 22 j 09:09	0° <del>♄</del>	
retrograde	1516 Apr 18 j 10:33	22° <del>♄</del> 29'46		retrograde	1517 Mar 30 j 11:03	3° <del>♄</del> 29'06	
evening set	1516 Apr 20 j 12:02	22° <del>♄</del> 19'06		evening set	1517 Apr 01 j 13:58	3° <del>♄</del> 15'43	
desc. node	1516 Apr 27 j 14:02	19° <del>♄</del> 30'37			1517 Apr 08 j 14:07	30° <del>℞</del> <del>Υ</del>	
inferior conj	1516 Apr 29 j 14:20	18° <del>♄</del> 21'00	-0°35'06	inferior conj	1517 Apr 09 j 22:41	29° <del>Υ</del> 06'24	1°16'01
minimum elong	1516 Apr 29 j 12:41	18° <del>♄</del> 23'25	0°34'29	minimum elong	1517 Apr 10 j 01:38	29° <del>Υ</del> 01'30	1°15'01
min. Earth dist.	1516 May 01 j 04:09	17° <del>♄</del> 25'33	0.55177 AU	min. Earth dist.	1517 Apr 12 j 19:00	27° <del>Υ</del> 13'09	0.56300 AU
morning rise	1516 May 08 j 11:56	14° <del>♄</del> 04'25		desc. node	1517 Apr 14 j 11:04	26° <del>Υ</del> 11'22	
direct	1516 May 12 j 07:12	13° <del>♄</del> 33'05		morning rise	1517 Apr 18 j 10:23	24° <del>Υ</del> 16'23	
morning max el	1516 May 25 j 19:39	20° <del>♄</del> 09'31	23°35'02	direct	1517 Apr 23 j 05:36	23° <del>Υ</del> 23'23	
	1516 Jun 03 j 03:12	0° <del>♅</del>			1517 May 06 j 18:16	0° <del>♄</del>	
asc. node	1516 Jun 15 j 22:36	22° <del>♅</del> 17'01		morning max el	1517 May 07 j 10:12	0° <del>♄</del> 37'28	25°14'39
morning set	1516 Jun 18 j 13:50	27° <del>♅</del> 43'52			1517 May 27 j 18:11	0° <del>♅</del>	
	1516 Jun 19 j 15:34	0° <del>♄</del>		asc. node	1517 Jun 02 j 19:39	12° <del>♅</del> 09'03	
				morning set	1517 Jun 03 j 01:40	12° <del>♅</del> 40'46	
superior conj	1516 Jun 25 j 15:04	12° <del>♄</del> 52'17	1°26'32				
minimum elong	1516 Jun 25 j 12:43	12° <del>♄</del> 39'39	1°26'15	superior conj	1517 Jun 10 j 01:08	27° <del>♅</del> 47'30	1°09'44

minimum elong	1517 Jun 09 j 22:45	27° $\Pi$ 34'28	1°09'21	minimum elong	1518 May 25 j 10:50	12° $\Pi$ 34'41	0°48'48
max. Earth dist.	1517 Jun 11 j 05:19	0° $\Xi$ 21'14	1.32699 AU	max. Earth dist.	1518 May 25 j 16:48	13° $\Pi$ 07'31	1.32283 AU
	1517 Jun 11 j 01:25	0° $\Xi$		evening rise	1518 Jun 01 j 10:56	27° $\Pi$ 44'11	
evening rise	1517 Jun 17 j 04:20	13° $\Xi$ 01'10			1518 Jun 02 j 13:02	0° $\Xi$	
	1517 Jun 25 j 23:57	0° $\Omega$			1518 Jun 19 j 10:31	0° $\Omega$	
desc. node	1517 Jul 11 j 10:22	23° $\Omega$ 42'56		desc. node	1518 Jun 28 j 07:24	11° $\Omega$ 27'14	
	1517 Jul 16 j 18:36	0° $\Pi$		evening max el	1518 Jul 01 j 12:55	14° $\Omega$ 46'35	26°44'20
evening max el	1517 Jul 19 j 09:46	2° $\Pi$ 39'29	27°20'15	retrograde	1518 Jul 15 j 12:04	22° $\Omega$ 00'36	
retrograde	1517 Aug 02 j 04:51	9° $\Pi$ 56'02		evening set	1518 Jul 22 j 07:42	20° $\Omega$ 00'37	
evening set	1517 Aug 09 j 09:34	7° $\Pi$ 28'15		min. Earth dist.	1518 Jul 26 j 02:41	17° $\Omega$ 23'05	0.60350 AU
min. Earth dist.	1517 Aug 12 j 23:34	4° $\Pi$ 35'45	0.62358 AU	inferior conj	1518 Jul 29 j 09:24	14° $\Omega$ 41'36	-4°38'27
inferior conj	1517 Aug 15 j 22:14	1° $\Pi$ 50'19	-3°59'41	minimum elong	1518 Jul 29 j 13:21	14° $\Omega$ 33'27	4°37'55
minimum elong	1517 Aug 16 j 03:27	1° $\Pi$ 38'07	3°58'26	morning rise	1518 Aug 05 j 20:57	9° $\Omega$ 59'18	
	1517 Aug 17 j 22:41	30° $\kappa$ $\Omega$		direct	1518 Aug 08 j 07:24	9° $\Omega$ 36'49	
morning rise	1517 Aug 22 j 22:46	26° $\Omega$ 46'14		morning max el	1518 Aug 15 j 16:37	13° $\Omega$ 13'40	18°09'06
direct	1517 Aug 25 j 09:39	26° $\Omega$ 19'27		asc. node	1518 Aug 16 j 15:55	14° $\Omega$ 13'09	
asc. node	1517 Aug 29 j 18:52	27° $\Omega$ 47'19			1518 Aug 27 j 00:58	0° $\Pi$	
morning max el	1517 Sep 01 j 04:29	29° $\Omega$ 46'17	17°53'01	morning set	1518 Aug 31 j 13:34	8° $\Pi$ 23'23	
	1517 Sep 01 j 09:59	0° $\Pi$					
morning set	1517 Sep 17 j 06:08	24° $\Pi$ 52'40		superior conj	1518 Sep 10 j 05:08	26° $\Pi$ 14'42	1°25'46
	1517 Sep 20 j 02:46	0° $\Xi$		minimum elong	1518 Sep 10 j 09:08	26° $\Pi$ 32'39	1°25'23
					1518 Sep 12 j 07:42	0° $\Xi$	
superior conj	1517 Sep 28 j 07:56	14° $\Xi$ 21'16	0°59'02	max. Earth dist.	1518 Sep 17 j 20:12	9° $\Xi$ 31'54	1.41376 AU
minimum elong	1517 Sep 28 j 12:33	14° $\Xi$ 40'56	0°58'28	evening rise	1518 Sep 23 j 01:11	18° $\Xi$ 08'00	
max. Earth dist.	1517 Oct 05 j 11:16	26° $\Xi$ 14'15	1.43146 AU	desc. node	1518 Sep 24 j 06:45	20° $\Xi$ 07'00	
desc. node	1517 Oct 07 j 09:43	29° $\Xi$ 22'08			1518 Sep 30 j 14:12	0° $\Pi$	
	1517 Oct 07 j 19:09	0° $\Pi$			1518 Oct 22 j 01:25	0° $\chi$	
evening rise	1517 Oct 13 j 01:00	8° $\Pi$ 17'43		evening max el	1518 Oct 26 j 18:17	5° $\chi$ 14'03	22°51'36
	1517 Oct 27 j 10:44	0° $\chi$		retrograde	1518 Nov 05 j 19:06	11° $\chi$ 11'33	
evening max el	1517 Nov 13 j 01:47	21° $\chi$ 41'55	21°33'33	evening set	1518 Nov 10 j 13:01	9° $\chi$ 15'10	
retrograde	1517 Nov 22 j 00:06	27° $\chi$ 00'44		asc. node	1518 Nov 12 j 15:09	7° $\chi$ 09'43	
asc. node	1517 Nov 25 j 18:07	25° $\chi$ 42'57		inferior conj	1518 Nov 15 j 21:40	2° $\chi$ 53'25	1°06'19
evening set	1517 Nov 26 j 05:46	25° $\chi$ 21'11		minimum elong	1518 Nov 15 j 20:11	2° $\chi$ 58'31	1°05'43
inferior conj	1517 Dec 01 j 14:15	19° $\chi$ 05'04	1°53'59	min. Earth dist.	1518 Nov 15 j 15:50	3° $\chi$ 13'35	0.67789 AU
minimum elong	1517 Dec 01 j 11:59	19° $\chi$ 12'56	1°53'09		1518 Nov 18 j 01:20	30° $\kappa$ $\Pi$	
min. Earth dist.	1517 Dec 01 j 19:11	18° $\chi$ 47'58	0.67655 AU	morning rise	1518 Nov 21 j 03:15	26° $\Pi$ 43'31	
morning rise	1517 Dec 06 j 18:02	12° $\chi$ 52'29		direct	1518 Nov 25 j 13:30	24° $\Pi$ 56'22	
direct	1517 Dec 11 j 18:58	10° $\chi$ 42'39			1518 Dec 04 j 07:58	0° $\chi$	
morning max el	1517 Dec 21 j 23:43	16° $\chi$ 46'14	23°10'19	morning max el	1518 Dec 04 j 13:01	0° $\chi$ 12'38	21°44'30
	1518 Jan 01 j 21:44	0° $\Xi$		desc. node	1518 Dec 21 j 06:01	21° $\chi$ 53'57	
desc. node	1518 Jan 03 j 08:58	2° $\Xi$ 00'27			1518 Dec 26 j 17:15	0° $\Xi$	
	1518 Jan 21 j 23:23	0° $\approx$		morning set	1519 Jan 05 j 16:47	15° $\Xi$ 28'14	
morning set	1518 Jan 25 j 18:49	6° $\approx$ 16'08		max. Earth dist.	1519 Jan 12 j 01:27	25° $\Xi$ 49'04	1.41616 AU
max. Earth dist.	1518 Jan 30 j 02:32	13° $\approx$ 37'23	1.39524 AU		1519 Jan 14 j 13:24	0° $\approx$	
superior conj	1518 Feb 06 j 18:16	27° $\approx$ 19'52	-1°54'22	superior conj	1519 Jan 19 j 16:50	8° $\approx$ 50'36	-2°03'56
minimum elong	1518 Feb 06 j 21:52	27° $\approx$ 36'34	1°54'07	minimum elong	1519 Jan 19 j 17:44	8° $\approx$ 54'28	2°03'56
	1518 Feb 08 j 04:44	0° $\chi$		evening rise	1519 Jan 30 j 11:11	28° $\approx$ 16'52	
evening rise	1518 Feb 16 j 06:14	15° $\chi$ 22'06			1519 Jan 31 j 09:36	0° $\chi$	
asc. node	1518 Feb 21 j 17:25	25° $\chi$ 40'15		asc. node	1519 Feb 08 j 14:28	14° $\chi$ 32'19	
	1518 Feb 24 j 04:14	0° $\Upsilon$		evening max el	1519 Feb 15 j 20:54	24° $\chi$ 21'20	18°11'33
evening max el	1518 Mar 04 j 12:08	11° $\Upsilon$ 30'11	18°34'06	retrograde	1519 Feb 22 j 18:04	27° $\chi$ 49'17	
retrograde	1518 Mar 12 j 05:34	15° $\Upsilon$ 17'17		evening set	1519 Feb 25 j 08:16	27° $\chi$ 20'31	
evening set	1518 Mar 14 j 14:03	14° $\Upsilon$ 57'24		inferior conj	1519 Mar 04 j 04:54	22° $\chi$ 31'59	3°24'31
inferior conj	1518 Mar 22 j 03:27	10° $\Upsilon$ 29'41	2°37'12	minimum elong	1519 Mar 04 j 07:35	22° $\chi$ 25'53	3°24'07
minimum elong	1518 Mar 22 j 07:30	10° $\Upsilon$ 21'46	2°36'10	min. Earth dist.	1519 Mar 07 j 13:01	19° $\chi$ 31'54	0.60201 AU
min. Earth dist.	1518 Mar 25 j 13:16	7° $\Upsilon$ 51'32	0.58088 AU	morning rise	1519 Mar 11 j 04:48	16° $\chi$ 47'23	
morning rise	1518 Mar 29 j 21:58	5° $\Upsilon$ 07'32		direct	1519 Mar 17 j 19:27	14° $\chi$ 43'31	
desc. node	1518 Apr 01 j 08:07	4° $\Upsilon$ 10'46		desc. node	1519 Mar 19 j 05:11	14° $\chi$ 48'55	
direct	1518 Apr 04 j 18:15	3° $\Upsilon$ 40'47		morning max el	1519 Apr 01 j 02:15	22° $\chi$ 33'32	27°31'46
morning max el	1518 Apr 19 j 03:22	11° $\Upsilon$ 18'37	26°37'59		1519 Apr 07 j 16:23	0° $\Upsilon$	
	1518 May 03 j 14:48	0° $\chi$			1519 Apr 26 j 15:48	0° $\chi$	
morning set	1518 May 18 j 12:13	27° $\chi$ 32'38		morning set	1519 May 02 j 19:46	12° $\chi$ 13'28	
	1518 May 19 j 16:06	0° $\Pi$		asc. node	1519 May 07 j 13:45	22° $\chi$ 19'59	
asc. node	1518 May 20 j 16:41	2° $\Pi$ 11'34		max. Earth dist.	1519 May 09 j 04:55	25° $\chi$ 53'47	1.32247 AU
superior conj	1518 May 25 j 12:47	12° $\Pi$ 45'26	0°49'10	superior conj	1519 May 10 j 00:18	27° $\chi$ 40'07	0°25'34



minimum elong	1519 May 09 j 23:11	27° $\text{U}$ 33'55	0°25'19		1520 Apr 17 j 13:56	0° $\text{U}$	
	1519 May 11 j 01:47	0° $\text{II}$		max. Earth dist.	1520 Apr 21 j 13:54	8° $\text{U}$ 27'20	1.32600 AU
evening rise	1519 May 16 j 21:06	12° $\text{II}$ 35'38					
	1519 May 25 j 16:55	0° $\text{U}$		superior conj	1520 Apr 23 j 10:00	12° $\text{U}$ 25'41	-0°00'22
evening max el	1519 Jun 13 j 09:12	26° $\text{U}$ 07'51	25°37'31	minimum elong	1520 Apr 23 j 10:01	12° $\text{U}$ 25'48	0°00'22
desc. node	1519 Jun 15 j 04:25	27° $\text{U}$ 45'40		behind sun begin	1520 Apr 23 j 04:52	11° $\text{U}$ 57'50	
	1519 Jun 18 j 02:24	0° $\text{U}$		behind sun end	1520 Apr 23 j 15:10	12° $\text{U}$ 53'48	
retrograde	1519 Jun 27 j 09:52	3° $\text{U}$ 17'13		asc. node	1520 Apr 23 j 10:48	12° $\text{U}$ 30'07	
evening set	1519 Jul 03 j 07:24	1° $\text{U}$ 55'07		evening rise	1520 Apr 30 j 08:52	27° $\text{U}$ 28'42	
	1519 Jul 06 j 18:14	30° $\text{R}$ $\text{U}$			1520 May 01 j 13:38	0° $\text{II}$	
min. Earth dist.	1519 Jul 07 j 21:28	29° $\text{U}$ 14'40	0.58298 AU		1520 May 18 j 22:58	0° $\text{U}$	
inferior conj	1519 Jul 11 j 02:42	26° $\text{U}$ 57'14	-4°55'15	evening max el	1520 May 25 j 00:02	6° $\text{U}$ 51'46	24°08'52
minimum elong	1519 Jul 11 j 02:59	26° $\text{U}$ 56'43	4°55'15	desc. node	1520 Jun 01 j 01:27	12° $\text{U}$ 05'31	
morning rise	1519 Jul 19 j 00:59	22° $\text{U}$ 37'20		retrograde	1520 Jun 07 j 19:49	13° $\text{U}$ 49'19	
direct	1519 Jul 21 j 13:26	22° $\text{U}$ 17'17		evening set	1520 Jun 12 j 08:14	13° $\text{U}$ 04'04	
morning max el	1519 Jul 29 j 22:08	26° $\text{U}$ 14'52	18°45'33	min. Earth dist.	1520 Jun 18 j 10:56	10° $\text{U}$ 04'34	0.56496 AU
	1519 Aug 02 j 06:34	0° $\text{U}$		inferior conj	1520 Jun 20 j 23:56	8° $\text{U}$ 29'46	-4°36'31
asc. node	1519 Aug 03 j 12:59	1° $\text{U}$ 42'14		minimum elong	1520 Jun 20 j 19:00	8° $\text{U}$ 37'29	4°35'52
morning set	1519 Aug 15 j 08:09	22° $\text{U}$ 26'42		morning rise	1520 Jun 29 j 08:28	4° $\text{U}$ 29'06	
	1519 Aug 19 j 04:52	0° $\text{U}$		direct	1520 Jul 02 j 00:44	4° $\text{U}$ 10'12	
				morning max el	1520 Jul 11 j 18:08	8° $\text{U}$ 40'59	19°43'16
superior conj	1519 Aug 23 j 23:04	9° $\text{U}$ 09'33	1°40'50	asc. node	1520 Jul 20 j 10:02	20° $\text{U}$ 00'49	
minimum elong	1519 Aug 24 j 01:13	9° $\text{U}$ 19'43	1°40'42		1520 Jul 25 j 22:48	0° $\text{U}$	
max. Earth dist.	1519 Aug 31 j 00:42	22° $\text{U}$ 06'40	1.39363 AU	morning set	1520 Jul 29 j 10:29	6° $\text{U}$ 54'00	
evening rise	1519 Sep 04 j 00:52	29° $\text{U}$ 03'45					
	1519 Sep 04 j 14:08	0° $\text{U}$		superior conj	1520 Aug 06 j 08:23	22° $\text{U}$ 51'12	1°46'02
desc. node	1519 Sep 11 j 03:46	10° $\text{U}$ 45'24		minimum elong	1520 Aug 06 j 08:38	22° $\text{U}$ 52'26	1°46'02
	1519 Sep 24 j 01:06	0° $\text{U}$			1520 Aug 10 j 00:20	0° $\text{U}$	
evening max el	1519 Oct 09 j 07:29	18° $\text{U}$ 49'34	24°11'36	max. Earth dist.	1520 Aug 12 j 05:00	4° $\text{U}$ 09'19	1.37358 AU
retrograde	1519 Oct 20 j 10:28	25° $\text{U}$ 21'03		evening rise	1520 Aug 16 j 00:05	11° $\text{U}$ 06'24	
evening set	1519 Oct 25 j 18:12	23° $\text{U}$ 07'35			1520 Aug 27 j 06:03	0° $\text{U}$	
min. Earth dist.	1519 Oct 30 j 12:05	17° $\text{U}$ 39'17	0.67595 AU	desc. node	1520 Aug 28 j 00:46	1° $\text{U}$ 13'14	
asc. node	1519 Oct 30 j 12:13	17° $\text{U}$ 38'50			1520 Sep 18 j 09:41	0° $\text{U}$	
inferior conj	1519 Oct 31 j 04:22	16° $\text{U}$ 44'19	0°13'55	evening max el	1520 Sep 20 j 19:27	2° $\text{U}$ 28'37	25°26'26
minimum elong	1519 Oct 31 j 04:02	16° $\text{U}$ 45'28	0°13'47	retrograde	1520 Oct 02 j 21:24	9° $\text{U}$ 25'27	
transit middle	1519 Oct 31 j 04:02	16° $\text{U}$ 45'28	0°13'47	evening set	1520 Oct 08 j 19:36	6° $\text{U}$ 56'24	
transit begin	1519 Oct 31 j 02:35	16° $\text{U}$ 50'22		min. Earth dist.	1520 Oct 13 j 05:29	2° $\text{U}$ 03'11	0.67075 AU
transit end	1519 Oct 31 j 05:29	16° $\text{U}$ 40'34		inferior conj	1520 Oct 14 j 08:37	0° $\text{U}$ 35'42	-0°41'53
morning rise	1519 Nov 05 j 13:52	10° $\text{U}$ 39'32		minimum elong	1520 Oct 14 j 09:41	0° $\text{U}$ 32'15	0°41'25
direct	1519 Nov 09 j 10:42	9° $\text{U}$ 14'12			1520 Oct 14 j 19:42	30° $\text{R}$ $\text{U}$	
morning max el	1519 Nov 17 j 09:14	13° $\text{U}$ 48'42	20°27'55	asc. node	1520 Oct 16 j 09:16	28° $\text{U}$ 03'33	
	1519 Nov 29 j 22:39	0° $\text{U}$		morning rise	1520 Oct 19 j 23:58	24° $\text{U}$ 38'46	
desc. node	1519 Dec 08 j 03:03	12° $\text{U}$ 07'34		direct	1520 Oct 23 j 09:11	23° $\text{U}$ 32'39	
morning set	1519 Dec 15 j 16:15	23° $\text{U}$ 40'57		morning max el	1520 Oct 30 j 13:18	27° $\text{U}$ 35'23	19°24'42
	1519 Dec 19 j 17:21	0° $\text{U}$			1520 Nov 01 j 18:03	0° $\text{U}$	
max. Earth dist.	1519 Dec 25 j 08:13	8° $\text{U}$ 56'36	1.43384 AU	greatest brilliancy	1520 Nov 13 j 06:42	16° $\text{U}$ 06'17	-0.7m
					1520 Nov 22 j 07:54	0° $\text{U}$	
superior conj	1519 Dec 31 j 14:36	19° $\text{U}$ 11'24	-1°59'12	morning set	1520 Nov 23 j 15:35	2° $\text{U}$ 02'46	
minimum elong	1519 Dec 31 j 10:29	18° $\text{U}$ 54'18	1°59'01	desc. node	1520 Nov 24 j 00:04	2° $\text{U}$ 35'40	
	1520 Jan 07 j 00:11	0° $\text{U}$		max. Earth dist.	1520 Dec 06 j 22:17	22° $\text{U}$ 48'43	1.44594 AU
evening rise	1520 Jan 12 j 23:57	10° $\text{U}$ 24'31					
	1520 Jan 24 j 13:22	0° $\text{U}$		superior conj	1520 Dec 10 j 10:08	28° $\text{U}$ 21'42	-1°36'03
asc. node	1520 Jan 26 j 11:31	2° $\text{U}$ 48'32		minimum elong	1520 Dec 10 j 01:42	27° $\text{U}$ 48'04	1°35'17
evening max el	1520 Jan 30 j 08:56	7° $\text{U}$ 30'58	18°08'32		1520 Dec 11 j 10:43	0° $\text{U}$	
retrograde	1520 Feb 05 j 20:53	10° $\text{U}$ 54'58		evening rise	1520 Dec 24 j 16:17	21° $\text{U}$ 37'58	
evening set	1520 Feb 08 j 16:11	10° $\text{U}$ 16'04			1520 Dec 29 j 16:39	0° $\text{U}$	
inferior conj	1520 Feb 14 j 23:48	5° $\text{U}$ 06'46	3°43'43	asc. node	1521 Jan 12 j 08:33	20° $\text{U}$ 18'10	
minimum elong	1520 Feb 15 j 00:25	5° $\text{U}$ 05'08	3°43'42	evening max el	1521 Jan 12 j 21:22	20° $\text{U}$ 51'37	18°24'20
min. Earth dist.	1520 Feb 17 j 20:37	2° $\text{U}$ 09'48	0.62299 AU	retrograde	1521 Jan 19 j 09:33	24° $\text{U}$ 24'38	
	1520 Feb 20 j 05:11	30° $\text{R}$ $\text{U}$		evening set	1521 Jan 22 j 09:59	23° $\text{U}$ 34'48	
morning rise	1520 Feb 21 j 07:28	29° $\text{U}$ 08'32		inferior conj	1521 Jan 28 j 08:05	18° $\text{U}$ 06'15	3°41'56
direct	1520 Feb 28 j 06:09	26° $\text{U}$ 35'14		minimum elong	1521 Jan 28 j 06:59	18° $\text{U}$ 09'27	3°41'51
desc. node	1520 Mar 05 j 02:14	28° $\text{U}$ 09'34		min. Earth dist.	1521 Jan 30 j 13:48	15° $\text{U}$ 31'56	0.64148 AU
	1520 Mar 08 j 01:50	0° $\text{U}$		morning rise	1521 Feb 03 j 03:23	11° $\text{U}$ 59'59	
morning max el	1520 Mar 13 j 07:00	4° $\text{U}$ 29'40	27°49'10	direct	1521 Feb 10 j 00:36	9° $\text{U}$ 10'47	
	1520 Apr 01 j 08:53	0° $\text{U}$		desc. node	1521 Feb 19 j 23:16	13° $\text{U}$ 41'02	
morning set	1520 Apr 15 j 22:15	26° $\text{U}$ 36'31		morning max el	1521 Feb 23 j 15:44	17° $\text{U}$ 02'35	27°30'05

	1521 Mar 06 j 10:45	0°♄		desc. node	1522 Feb 06 j 20:17	0°♁48'26	
	1521 Mar 25 j 03:55	0°♃			1522 Feb 28 j 09:00	0°♄	
morning set	1521 Mar 30 j 17:02	10°♃32'50		morning set	1522 Mar 14 j 00:45	23°♄52'19	
max. Earth dist.	1521 Apr 04 j 15:46	20°♃35'03	1.33375 AU		1522 Mar 17 j 04:51	0°♃	
				max. Earth dist.	1522 Mar 18 j 06:55	2°♃09'00	1.34598 AU
superior conj	1521 Apr 07 j 15:56	26°♃55'18	-0°27'44				
minimum elong	1521 Apr 07 j 17:19	27°♃02'37	0°27'27	superior conj	1522 Mar 22 j 16:00	11°♃02'40	-0°55'24
	1521 Apr 09 j 02:31	0°♄		minimum elong	1522 Mar 22 j 18:46	11°♃16'57	0°54'52
asc. node	1521 Apr 10 j 07:50	2°♄37'12		asc. node	1522 Mar 28 j 04:53	22°♃37'24	
evening rise	1521 Apr 14 j 20:20	12°♄16'05		evening rise	1522 Mar 30 j 05:38	26°♃51'41	
	1521 Apr 23 j 22:40	0°♂			1522 Mar 31 j 18:14	0°♄	
evening max el	1521 May 06 j 15:01	17°♂21'54	22°32'49	evening max el	1522 Apr 18 j 13:38	28°♄10'23	21°03'40
desc. node	1521 May 18 j 22:29	23°♂50'07			1522 Apr 20 j 15:05	0°♂	
retrograde	1521 May 19 j 17:24	23°♂51'31		retrograde	1522 Apr 30 j 07:05	3°♂52'58	
evening set	1521 May 22 j 19:42	23°♂30'25		evening set	1522 May 02 j 12:20	3°♂41'26	
min. Earth dist.	1521 May 30 j 22:34	19°♂58'51	0.55280 AU	desc. node	1522 May 05 j 19:29	2°♂45'28	
inferior conj	1521 Jun 01 j 02:49	19°♂18'42	-3°31'08		1522 May 11 j 08:38	30°♄	
minimum elong	1521 May 31 j 19:03	19°♂29'46	3°29'04	inferior conj	1522 May 11 j 20:45	29°♄42'53	-1°44'34
morning rise	1521 Jun 09 j 20:34	15°♂26'40		minimum elong	1522 May 11 j 15:51	29°♄49'49	1°42'50
direct	1521 Jun 12 j 18:14	15°♂07'22		min. Earth dist.	1522 May 12 j 11:04	29°♄22'39	0.54934 AU
morning max el	1521 Jun 24 j 02:52	20°♂24'04	21°01'41	morning rise	1522 May 20 j 19:21	25°♄40'21	
	1521 Jul 01 j 23:11	0°♅		direct	1522 May 24 j 03:45	25°♄16'05	
asc. node	1521 Jul 07 j 07:05	8°♅56'14			1522 Jun 04 j 10:19	0°♂	
morning set	1521 Jul 13 j 17:55	21°♅36'53		morning max el	1522 Jun 06 j 01:06	1°♂25'17	22°36'30
	1521 Jul 17 j 18:34	0°♆		asc. node	1522 Jun 24 j 04:07	28°♂19'14	
					1522 Jun 25 j 00:26	0°♅	
superior conj	1521 Jul 21 j 04:30	7°♆05'39	1°43'18	morning set	1522 Jun 28 j 04:24	6°♅29'24	
minimum elong	1521 Jul 21 j 03:18	6°♆59'26	1°43'15				
max. Earth dist.	1521 Jul 25 j 14:18	16°♆00'17	1.35571 AU	superior conj	1522 Jul 05 j 08:02	21°♅42'27	1°34'11
evening rise	1521 Jul 29 j 18:44	24°♆04'55		minimum elong	1522 Jul 05 j 05:57	21°♅31'20	1°34'00
	1521 Aug 01 j 23:47	0°♇		max. Earth dist.	1522 Jul 08 j 08:17	28°♅01'47	1.34139 AU
desc. node	1521 Aug 14 j 21:47	21°♇24'15			1522 Jul 09 j 07:11	0°♆	
	1521 Aug 20 j 20:15	0°♁		evening rise	1522 Jul 13 j 04:09	7°♆47'00	
evening max el	1521 Sep 03 j 07:24	16°♁06'20	26°28'39		1522 Jul 25 j 12:47	0°♇	
retrograde	1521 Sep 16 j 03:20	23°♁18'47		desc. node	1522 Aug 01 j 18:48	11°♇10'52	
evening set	1521 Sep 22 j 15:16	20°♁38'15		evening max el	1522 Aug 16 j 19:21	29°♇34'39	27°10'45
min. Earth dist.	1521 Sep 26 j 17:43	16°♁21'35	0.66206 AU		1522 Aug 17 j 06:04	0°♁	
inferior conj	1521 Sep 28 j 08:28	14°♁24'21	-1°39'33	retrograde	1522 Aug 30 j 03:56	6°♁53'25	
minimum elong	1521 Sep 28 j 11:06	14°♁16'24	1°38'30	evening set	1522 Sep 06 j 02:48	4°♁09'03	
asc. node	1521 Oct 03 j 06:18	9°♁18'55		min. Earth dist.	1522 Sep 09 j 22:33	0°♁28'38	0.64979 AU
morning rise	1521 Oct 04 j 07:25	8°♁38'06			1522 Sep 10 j 08:59	30°♄	
direct	1521 Oct 07 j 07:09	7°♁47'40		inferior conj	1522 Sep 12 j 01:47	28°♄06'02	-2°37'07
morning max el	1521 Oct 13 j 23:58	11°♁29'14	18°37'02	minimum elong	1522 Sep 12 j 05:53	27°♄54'36	2°35'38
	1521 Oct 27 j 06:13	0°♂		morning rise	1522 Sep 18 j 09:50	22°♄33'29	
morning set	1521 Nov 03 j 13:03	11°♂35'15		asc. node	1522 Sep 20 j 03:20	21°♄59'54	
desc. node	1521 Nov 10 j 21:05	23°♂13'50		direct	1522 Sep 21 j 02:28	21°♄54'55	
	1521 Nov 15 j 04:08	0°♉		morning max el	1522 Sep 27 j 14:45	25°♄24'31	18°05'59
					1522 Oct 01 j 11:00	0°♁	
superior conj	1521 Nov 19 j 12:34	6°♉50'20	-0°55'29	morning set	1522 Oct 15 j 15:41	22°♁34'03	
minimum elong	1521 Nov 19 j 05:37	6°♉23'02	0°54'37		1522 Oct 20 j 03:25	0°♂	
max. Earth dist.	1521 Nov 19 j 16:22	7°♉05'16	1.45106 AU	desc. node	1522 Oct 28 j 18:06	13°♂58'05	
	1521 Dec 04 j 04:45	0°♊					
evening rise	1521 Dec 05 j 09:19	1°♊53'43		superior conj	1522 Oct 29 j 18:25	15°♂35'09	-0°06'48
greatest brilliancy	1521 Dec 13 j 18:36	15°♊14'54	-0.8m	minimum elong	1522 Oct 29 j 17:34	15°♂31'45	0°06'40
	1521 Dec 23 j 16:28	0°♋		behind sun begin	1522 Oct 29 j 07:41	14°♂52'21	
evening max el	1521 Dec 27 j 07:41	4°♋18'06	18°58'02	behind sun end	1522 Oct 30 j 03:27	16°♂11'07	
asc. node	1521 Dec 30 j 05:35	6°♋48'08		max. Earth dist.	1522 Nov 02 j 11:02	21°♂26'20	1.44882 AU
retrograde	1522 Jan 03 j 04:07	8°♋10'57			1522 Nov 07 j 22:02	0°♉	
evening set	1522 Jan 06 j 10:33	7°♋09'12		evening rise	1522 Nov 15 j 04:41	11°♉18'22	
inferior conj	1522 Jan 12 j 02:06	1°♋23'46	3°24'47		1522 Nov 27 j 09:18	0°♊	
minimum elong	1522 Jan 11 j 23:54	1°♋30'39	3°24'24	greatest brilliancy	1522 Nov 28 j 12:30	1°♊41'57	-0.7m
	1522 Jan 13 j 04:48	30°♄		evening max el	1522 Dec 10 j 13:56	17°♊46'41	19°48'05
min. Earth dist.	1522 Jan 13 j 16:27	29°♊23'50	0.65633 AU	asc. node	1522 Dec 17 j 02:37	22°♊03'03	
morning rise	1522 Jan 17 j 12:55	25°♊12'55		retrograde	1522 Dec 18 j 01:26	22°♊08'05	
direct	1522 Jan 24 j 01:50	22°♊21'58		evening set	1522 Dec 21 j 15:24	20°♊53'01	
morning max el	1522 Feb 06 j 01:40	0°♋00'48	26°39'47	inferior conj	1522 Dec 27 j 02:45	14°♊53'21	2°56'09
	1522 Feb 06 j 01:20	0°♋		minimum elong	1522 Dec 27 j 00:07	15°♊02'08	2°55'29

min. Earth dist.	1522 Dec 28 j 03:01	13°  32'59	0.66723 AU	inferior conj	1523 Dec 11 j 07:39	28°  32'13	2°18'44
morning rise	1523 Jan 01 j 08:35	8°  40'22		minimum elong	1523 Dec 11 j 05:06	28°  40'56	2°17'54
direct	1523 Jan 07 j 09:00	5°  59'32		min. Earth dist.	1523 Dec 11 j 19:17	27°  52'19	0.67428 AU
morning max el	1523 Jan 19 j 10:37	13°  10'54	25°26'45	morning rise	1523 Dec 16 j 11:27	22°  19'02	
desc. node	1523 Jan 24 j 17:19	19°  03'31		direct	1523 Dec 21 j 21:14	19°  19'56'27	
	1523 Feb 02 j 01:44	0°  ≈		morning max el	1524 Jan 01 j 18:55	26°  19'26'36	24°01'08
	1523 Feb 21 j 03:08	0°  ✕			1524 Jan 05 j 01:47	0°  ✕	
morning set	1523 Feb 24 j 16:44	6°  ✕20'37		desc. node	1524 Jan 11 j 14:23	8°  ✕07'04	
max. Earth dist.	1523 Feb 28 j 10:08	13°  ✕13'58	1.36266 AU		1524 Jan 26 j 16:15	0°  ≈	
				morning set	1524 Feb 06 j 11:03	17°  ≈41'26	
superior conj	1523 Mar 06 j 07:25	24°  ✕39'22	-1°21'43	max. Earth dist.	1524 Feb 10 j 05:45	24°  ≈18'59	1.38291 AU
minimum elong	1523 Mar 06 j 11:17	24°  ✕58'38	1°21'07		1524 Feb 13 j 09:04	0°  ✕	
	1523 Mar 08 j 23:14	0°  Υ					
evening rise	1523 Mar 14 j 10:36	11°  Υ08'18		superior conj	1524 Feb 17 j 10:40	7°  ✕36'19	-1°44'18
asc. node	1523 Mar 15 j 01:55	12°  Υ25'43		minimum elong	1524 Feb 17 j 14:49	7°  ✕56'01	1°43'53
	1523 Mar 24 j 13:47	0°  8		evening rise	1524 Feb 26 j 08:45	24°  ✕59'12	
evening max el	1523 Mar 31 j 23:48	9°  835'43	19°50'16		1524 Feb 28 j 22:31	0°  Υ	
retrograde	1523 Apr 10 j 23:36	14°  824'43		asc. node	1524 Feb 29 j 22:58	1°  Υ57'07	
evening set	1523 Apr 13 j 00:35	14°  813'33		evening max el	1524 Mar 13 j 20:58	21°  Υ39'50	18°56'08
inferior conj	1523 Apr 21 j 20:09	10°  812'29	0°14'41	retrograde	1524 Mar 22 j 06:59	25°  Υ44'43	
minimum elong	1523 Apr 21 j 20:48	10°  811'29	0°14'27	evening set	1524 Mar 24 j 12:18	25°  Υ28'49	
transit middle	1523 Apr 21 j 20:48	10°  811'29	0°14'27	inferior conj	1524 Apr 01 j 12:41	21°  Υ12'24	1°54'42
transit begin	1523 Apr 21 j 19:08	10°  814'04		minimum elong	1524 Apr 01 j 16:31	21°  Υ05'34	1°53'32
transit end	1523 Apr 21 j 22:29	10°  808'54		min. Earth dist.	1524 Apr 04 j 17:00	18°  Υ57'46	0.57001 AU
desc. node	1523 Apr 22 j 16:31	9°  841'03		desc. node	1524 Apr 08 j 13:34	16°  Υ39'54	
min. Earth dist.	1523 Apr 24 j 01:04	8°  851'16	0.55553 AU	morning rise	1524 Apr 09 j 17:39	16°  Υ08'11	
morning rise	1523 Apr 30 j 14:41	5°  841'58		direct	1524 Apr 15 j 00:16	15°  Υ01'44	
direct	1523 May 04 j 19:28	5°  802'55		morning max el	1524 Apr 29 j 07:26	22°  Υ27'12	25°52'59
morning max el	1523 May 18 j 16:39	11°  857'58	24°18'19		1524 May 05 j 23:44	0°  8	
	1523 Jun 01 j 10:04	0°  II			1524 May 24 j 01:41	0°  II	
asc. node	1523 Jun 11 j 01:10	18°  II02'33		morning set	1524 May 27 j 03:41	6°  II21'37	
morning set	1523 Jun 12 j 16:12	21°  II26'14		asc. node	1524 May 27 j 22:13	7°  II59'42	
	1523 Jun 16 j 15:57	0°  ☿					
superior conj	1523 Jun 19 j 16:21	6°  ☿33'14	1°19'56	superior conj	1524 Jun 03 j 03:18	21°  II30'22	1°01'27
minimum elong	1523 Jun 19 j 13:55	6°  ☿20'05	1°19'35	minimum elong	1524 Jun 03 j 01:02	21°  II18'00	1°01'02
max. Earth dist.	1523 Jun 21 j 11:18	10°  ☿25'02	1.33110 AU	max. Earth dist.	1524 Jun 03 j 20:51	23°  II06'39	1.32477 AU
evening rise	1523 Jun 27 j 00:18	22°  ☿01'02			1524 Jun 07 j 00:56	0°  ☿	
	1523 Jul 01 j 01:33	0°  ♊		evening rise	1524 Jun 10 j 03:52	6°  ☿36'16	
	1523 Jul 19 j 09:06	0°  ♊			1524 Jun 22 j 14:23	0°  ♊	
desc. node	1523 Jul 19 j 15:49	0°  ♊22'46		desc. node	1524 Jul 05 j 12:52	18°  ♊44'54	
evening max el	1523 Jul 30 j 06:05	12°  ♊42'36	27°25'56	evening max el	1524 Jul 11 j 12:55	25°  ♊15'46	27°09'09
retrograde	1523 Aug 12 j 22:29	20°  ♊00'43			1524 Jul 17 j 13:39	0°  ♊	
evening set	1523 Aug 20 j 03:08	17°  ♊23'27		retrograde	1524 Jul 25 j 09:53	2°  ♊30'30	
min. Earth dist.	1523 Aug 23 j 18:08	14°  ♊15'35	0.63401 AU	evening set	1524 Aug 01 j 12:09	0°  ♊13'20	
inferior conj	1523 Aug 26 j 09:59	11°  ♊35'19	-3°31'33		1524 Aug 01 j 20:23	30°  ♊♋	
minimum elong	1523 Aug 26 j 15:05	11°  ♊22'29	3°30'04	min. Earth dist.	1524 Aug 05 j 03:11	27°  ♊28'56	0.61526 AU
morning rise	1523 Sep 02 j 04:16	6°  ♊19'37		inferior conj	1524 Aug 08 j 05:52	24°  ♊43'19	-4°18'06
direct	1523 Sep 04 j 16:26	5°  ♊49'25		minimum elong	1524 Aug 08 j 10:48	24°  ♊32'20	4°17'07
asc. node	1523 Sep 07 j 00:22	6°  ♊16'02		morning rise	1524 Aug 15 j 11:03	19°  ♊47'52	
morning max el	1523 Sep 11 j 06:53	9°  ♊15'11	17°52'27	direct	1524 Aug 17 j 21:30	19°  ♊23'05	
	1523 Sep 25 j 01:57	0°  ♋		asc. node	1524 Aug 23 j 21:26	21°  ♋58'29	
morning set	1523 Sep 27 j 19:45	4°  ♋46'55		morning max el	1524 Aug 24 j 21:19	22°  ♋53'03	17°57'24
					1524 Aug 30 j 11:25	0°  ♋	
superior conj	1523 Oct 09 j 21:58	25°  ♋26'05	0°38'00	morning set	1524 Sep 09 j 18:48	17°  ♋53'51	
minimum elong	1523 Oct 10 j 01:41	25°  ♋41'29	0°37'30		1524 Sep 16 j 10:48	0°  ♋	
	1523 Oct 12 j 16:37	0°  ♌		superior conj	1524 Sep 20 j 04:42	6°  ♋36'46	1°11'54
desc. node	1523 Oct 15 j 15:08	4°  ♌45'34		minimum elong	1524 Sep 20 j 09:18	6°  ♋56'51	1°11'21
max. Earth dist.	1523 Oct 16 j 03:55	5°  ♌36'52	1.43959 AU	max. Earth dist.	1524 Sep 27 j 16:36	19°  ♋19'26	1.42448 AU
evening rise	1523 Oct 25 j 12:59	20°  ♌20'53		desc. node	1524 Oct 01 j 12:11	25°  ♋32'17	
	1523 Oct 31 j 20:44	0°  ♌		evening rise	1524 Oct 04 j 03:02	29°  ♋42'45	
	1523 Nov 22 j 10:03	0°  ♌			1524 Oct 04 j 07:24	0°  ♌	
evening max el	1523 Nov 23 j 14:56	1°  ♌16'55	20°51'56		1524 Oct 24 j 11:55	0°  ♌	
retrograde	1523 Dec 01 j 23:10	6°  ♌13'11		evening max el	1524 Nov 05 j 10:20	14°  ♌48'09	22°06'07
asc. node	1523 Dec 03 j 23:39	5°  ♌50'19		retrograde	1524 Nov 14 j 19:30	20°  ♌22'57	
evening set	1523 Dec 05 j 22:34	4°  ♌43'06		evening set	1524 Nov 19 j 06:16	18°  ♌36'16	
	1523 Dec 10 j 05:48	30°  ♌♋		asc. node	1524 Nov 19 j 20:41	18°  ♌05'07	

inferior conj	1524 Nov 24 j 14:40	12°♊17'29	1°34'24	asc. node	1525 Nov 06 j 17:44	29°♍02'00	
minimum elong	1524 Nov 24 j 12:41	12°♊24'21	1°33'39	inferior conj	1525 Nov 08 j 21:59	26°♍06'50	0°44'35
min. Earth dist.	1524 Nov 24 j 14:56	12°♊16'34	0.67762 AU	minimum elong	1525 Nov 08 j 20:57	26°♍10'22	0°44'09
morning rise	1524 Nov 29 j 18:58	6°♊06'01		min. Earth dist.	1525 Nov 08 j 11:36	26°♍42'25	0.67751 AU
direct	1524 Dec 04 j 13:39	4°♊05'44		morning rise	1525 Nov 14 j 05:00	19°♍59'03	
morning max el	1524 Dec 14 j 05:23	9°♊48'12	22°33'01	direct	1525 Nov 18 j 09:18	18°♍21'38	
desc. node	1524 Dec 28 j 11:27	27°♊45'15		morning max el	1525 Nov 26 j 21:30	23°♍18'50	21°10'29
	1524 Dec 30 j 01:16	0°♊		desc. node	1525 Dec 02 j 15:50	0°♊	
morning set	1525 Jan 17 j 01:51	27°♊40'55			1525 Dec 15 j 08:28	17°♊47'57	
	1525 Jan 18 j 11:40	0°♊			1525 Dec 23 j 10:12	0°♊	
max. Earth dist.	1525 Jan 22 j 02:04	6°♊02'05	1.40440 AU	morning set	1525 Dec 27 j 12:28	6°♊22'05	
				max. Earth dist.	1526 Jan 04 j 04:36	18°♊39'42	1.42422 AU
					1526 Jan 10 j 23:28	0°♊	
superior conj	1525 Jan 29 j 21:15	19°♋42'15	-1°59'51				
minimum elong	1525 Jan 30 j 00:00	19°♋54'45	1°59'45	superior conj	1526 Jan 11 j 09:45	0°♋43'54	-2°03'58
	1525 Feb 04 j 11:29	0°♋		minimum elong	1526 Jan 11 j 08:42	0°♋39'28	2°03'58
evening rise	1525 Feb 08 j 21:04	8°♋17'12		evening rise	1526 Jan 22 j 19:41	20°♋53'10	
asc. node	1525 Feb 15 j 20:01	21°♋05'46			1526 Jan 27 j 21:40	0°♋	
	1525 Feb 21 j 11:19	0°♋		asc. node	1526 Feb 02 j 17:04	9°♋43'41	
evening max el	1525 Feb 25 j 02:22	4°♋16'13	18°22'04	evening max el	1526 Feb 08 j 12:48	17°♋15'39	18°07'51
retrograde	1525 Mar 04 j 09:39	7°♋53'17		retrograde	1526 Feb 15 j 04:58	20°♋40'38	
evening set	1525 Mar 06 j 20:44	7°♋29'43		evening set	1526 Feb 17 j 21:16	20°♋07'46	
inferior conj	1525 Mar 14 j 02:30	2°♋52'53	3°01'10	inferior conj	1526 Feb 24 j 11:52	15°♋10'06	3°35'40
minimum elong	1525 Mar 14 j 06:10	2°♋45'14	3°00'25	minimum elong	1526 Feb 24 j 13:41	15°♋05'43	3°35'30
min. Earth dist.	1525 Mar 17 j 13:00	0°♋02'37	0.58967 AU	min. Earth dist.	1526 Feb 27 j 15:53	12°♋08'28	0.61105 AU
	1525 Mar 17 j 14:20	30°♋		morning rise	1526 Mar 03 j 04:24	9°♋18'28	
morning rise	1525 Mar 21 j 13:01	27°♋20'10		direct	1526 Mar 09 j 23:29	7°♋00'54	
desc. node	1525 Mar 26 j 10:37	25°♋42'16		desc. node	1526 Mar 13 j 07:40	7°♋31'43	
direct	1525 Mar 27 j 18:13	25°♋37'40		morning max el	1526 Mar 24 j 04:34	14°♋54'03	27°43'54
	1525 Apr 07 j 07:24	0°♋			1526 Apr 05 j 10:20	0°♋	
morning max el	1525 Apr 11 j 02:48	3°♋20'57	27°05'13		1526 Apr 22 j 22:39	0°♋	
	1525 Apr 30 j 11:57	0°♋		morning set	1526 Apr 25 j 18:52	5°♋44'01	
morning set	1525 May 11 j 13:13	21°♋10'00		asc. node	1526 May 01 j 16:20	18°♋15'04	
asc. node	1525 May 14 j 19:17	28°♋05'39		max. Earth dist.	1526 May 01 j 20:37	18°♋38'23	1.32345 AU
	1525 May 15 j 16:21	0°♋					
superior conj	1525 May 18 j 15:06	6°♋27'49	0°39'30	superior conj	1526 May 03 j 02:01	21°♋18'51	0°14'48
minimum elong	1525 May 18 j 13:27	6°♋18'45	0°39'10	minimum elong	1526 May 03 j 01:20	21°♋15'09	0°14'39
max. Earth dist.	1525 May 18 j 09:18	5°♋55'56	1.32222 AU	behind sun begin	1526 May 02 j 23:24	21°♋04'31	
evening rise	1525 May 25 j 12:16	21°♋24'10		behind sun end	1526 May 03 j 03:17	21°♋25'47	
	1525 May 29 j 17:08	0°♋			1526 May 07 j 01:18	0°♋	
	1525 Jun 17 j 04:14	0°♋		evening rise	1526 May 09 j 23:18	6°♋16'31	
desc. node	1525 Jun 22 j 09:52	5°♋56'29			1526 May 22 j 11:05	0°♋	
evening max el	1525 Jun 23 j 13:15	7°♋03'39	26°19'18	evening max el	1526 Jun 05 j 06:28	18°♋05'34	25°01'37
retrograde	1525 Jul 07 j 12:59	14°♋15'30		desc. node	1526 Jun 09 j 06:53	21°♋28'30	
evening set	1525 Jul 14 j 01:10	12°♋30'42		retrograde	1526 Jun 19 j 06:13	25°♋12'04	
min. Earth dist.	1525 Jul 18 j 02:09	9°♋54'28	0.59477 AU	evening set	1526 Jun 24 j 14:44	24°♋06'16	
inferior conj	1525 Jul 21 j 09:50	7°♋20'45	-4°48'59	min. Earth dist.	1526 Jun 29 j 18:00	21°♋19'34	0.57480 AU
minimum elong	1525 Jul 21 j 12:33	7°♋15'30	4°48'45	inferior conj	1526 Jul 02 j 18:37	19°♋17'56	-4°52'28
morning rise	1525 Jul 29 j 02:01	2°♋48'06		minimum elong	1526 Jul 02 j 16:43	19°♋21'08	4°52'23
direct	1525 Jul 31 j 13:16	2°♋26'42		morning rise	1526 Jul 10 j 21:23	15°♋07'24	
morning max el	1525 Aug 08 j 07:00	6°♋10'27	18°22'01	direct	1526 Jul 13 j 11:14	14°♋48'04	
asc. node	1525 Aug 10 j 18:30	8°♋53'04		morning max el	1526 Jul 22 j 08:49	18°♋57'54	19°07'34
	1525 Aug 23 j 10:30	0°♋		asc. node	1526 Jul 28 j 15:33	26°♋44'33	
morning set	1525 Aug 24 j 07:26	1°♋39'48			1526 Jul 30 j 16:42	0°♋	
				morning set	1526 Aug 08 j 05:38	15°♋54'03	
superior conj	1525 Sep 02 j 11:25	18°♋58'25	1°33'29		1526 Aug 15 j 08:40	0°♋	
minimum elong	1525 Sep 02 j 14:42	19°♋13'26	1°33'13	superior conj	1526 Aug 16 j 12:32	2°♋15'13	1°44'07
	1525 Sep 08 j 15:19	0°♋		minimum elong	1526 Aug 16 j 13:51	2°♋21'32	1°44'04
max. Earth dist.	1525 Sep 09 j 23:44	2°♋20'15	1.40541 AU	max. Earth dist.	1526 Aug 23 j 03:13	14°♋38'11	1.38491 AU
evening rise	1525 Sep 14 j 12:41	9°♋59'08		evening rise	1526 Aug 26 j 22:41	21°♋23'59	
desc. node	1525 Sep 18 j 09:12	16°♋14'45			1526 Sep 01 j 00:38	0°♋	
	1525 Sep 27 j 07:27	0°♋		desc. node	1526 Sep 05 j 06:12	6°♋49'16	
evening max el	1525 Oct 19 j 01:06	28°♋21'09	23°25'43		1526 Sep 21 j 07:00	0°♋	
	1525 Oct 20 j 18:31	0°♋		evening max el	1526 Oct 01 j 13:20	11°♋57'51	24°44'27
retrograde	1525 Oct 29 j 13:04	4°♋33'47		retrograde	1526 Oct 13 j 02:48	18°♋42'06	
evening set	1525 Nov 03 j 12:51	2°♋29'48		evening set	1526 Oct 18 j 16:39	16°♋21'30	
	1525 Nov 05 j 23:00	30°♋					

min. Earth dist.	1526 Oct 23 j 06:57	11° $\mathbb{M}$ 07'54	0.67411 AU	evening rise	1527 Aug 09 j 06:43	3° $\mathbb{M}$ 51'49	
inferior conj	1526 Oct 24 j 03:51	9° $\mathbb{M}$ 58'32	-0°09'25	desc. node	1527 Aug 23 j 03:12	27° $\mathbb{M}$ 10'32	
minimum elong	1526 Oct 24 j 04:05	9° $\mathbb{M}$ 57'46	0°09'19		1527 Aug 24 j 23:41	0° $\mathbb{A}$	
transit middle	1526 Oct 24 j 04:05	9° $\mathbb{M}$ 57'46	0°09'19	evening max el	1527 Sep 14 j 01:11	25° $\mathbb{A}$ 37'04	25°55'00
transit begin	1526 Oct 24 j 01:50	10° $\mathbb{M}$ 05'15			1527 Sep 19 j 06:38	0° $\mathbb{M}$	
transit end	1526 Oct 24 j 06:20	9° $\mathbb{M}$ 50'17		retrograde	1527 Sep 26 j 11:47	2° $\mathbb{M}$ 42'18	
asc. node	1526 Oct 24 j 14:46	9° $\mathbb{M}$ 22'23		evening set	1527 Oct 02 j 15:52	0° $\mathbb{M}$ 07'54	
morning rise	1526 Oct 29 j 15:37	3° $\mathbb{M}$ 56'46			1527 Oct 02 j 19:33	30° $\mathbb{R}$ $\mathbb{A}$	
direct	1526 Nov 02 j 07:10	2° $\mathbb{M}$ 40'11		min. Earth dist.	1527 Oct 06 j 22:34	25° $\mathbb{A}$ 29'50	0.66742 AU
morning max el	1526 Nov 09 j 21:12	7° $\mathbb{M}$ 00'18	19°59'13	inferior conj	1527 Oct 08 j 06:28	23° $\mathbb{A}$ 49'21	-1°06'13
	1526 Nov 26 j 20:49	0° $\mathbb{A}$		minimum elong	1527 Oct 08 j 08:11	23° $\mathbb{A}$ 43'56	1°05'30
desc. node	1526 Dec 02 j 05:29	8° $\mathbb{A}$ 08'23		asc. node	1527 Oct 11 j 11:48	20° $\mathbb{A}$ 02'37	
morning set	1526 Dec 06 j 08:38	14° $\mathbb{A}$ 29'33		morning rise	1527 Oct 14 j 00:50	17° $\mathbb{A}$ 56'20	
	1526 Dec 16 j 06:27	0° $\mathbb{B}$		direct	1527 Oct 17 j 05:42	16° $\mathbb{A}$ 57'22	
max. Earth dist.	1526 Dec 17 j 14:22	2° $\mathbb{B}$ 07'03	1.43971 AU	morning max el	1527 Oct 24 j 04:15	20° $\mathbb{A}$ 50'14	19°02'23
					1527 Oct 31 j 10:49	0° $\mathbb{M}$	
superior conj	1526 Dec 22 j 20:05	10° $\mathbb{B}$ 33'39	-1°51'45	morning set	1527 Nov 15 j 15:23	23° $\mathbb{M}$ 15'52	
minimum elong	1526 Dec 22 j 13:43	10° $\mathbb{B}$ 07'46	1°51'20	desc. node	1527 Nov 19 j 02:29	28° $\mathbb{M}$ 41'00	
	1527 Jan 03 j 11:13	0° $\mathbb{A}$			1527 Nov 19 j 22:40	0° $\mathbb{A}$	
evening rise	1527 Jan 05 j 00:18	2° $\mathbb{A}$ 38'50		max. Earth dist.	1527 Nov 30 j 06:02	16° $\mathbb{A}$ 09'56	1.44903 AU
asc. node	1527 Jan 20 j 14:05	27° $\mathbb{A}$ 41'42					
	1527 Jan 22 j 13:25	0° $\mathbb{H}$		superior conj	1527 Dec 02 j 06:26	19° $\mathbb{A}$ 20'46	-1°20'36
evening max el	1527 Jan 23 j 01:20	0° $\mathbb{H}$ 30'46	18°12'59	minimum elong	1527 Dec 01 j 21:46	18° $\mathbb{A}$ 46'33	1°19'40
retrograde	1527 Jan 29 j 12:28	3° $\mathbb{H}$ 57'20			1527 Dec 08 j 23:17	0° $\mathbb{B}$	
evening set	1527 Feb 01 j 09:47	3° $\mathbb{H}$ 14'03		evening rise	1527 Dec 17 j 06:48	13° $\mathbb{B}$ 26'58	
	1527 Feb 05 j 14:01	30° $\mathbb{R}$ $\mathbb{A}$			1527 Dec 27 j 11:10	0° $\mathbb{A}$	
inferior conj	1527 Feb 07 j 12:59	27° $\mathbb{A}$ 56'33	3°45'09	evening max el	1528 Jan 06 j 13:11	13° $\mathbb{A}$ 54'31	18°36'38
minimum elong	1527 Feb 07 j 12:48	27° $\mathbb{A}$ 57'02	3°45'08	asc. node	1528 Jan 07 j 11:07	14° $\mathbb{A}$ 47'34	
min. Earth dist.	1527 Feb 10 j 03:42	25° $\mathbb{A}$ 06'55	0.63125 AU	retrograde	1528 Jan 13 j 03:55	17° $\mathbb{A}$ 34'28	
morning rise	1527 Feb 13 j 14:52	21° $\mathbb{A}$ 54'07		evening set	1528 Jan 16 j 06:47	16° $\mathbb{A}$ 39'43	
direct	1527 Feb 20 j 13:57	19° $\mathbb{A}$ 11'55		inferior conj	1528 Jan 22 j 01:48	11° $\mathbb{A}$ 03'59	3°36'14
desc. node	1527 Feb 28 j 04:42	21° $\mathbb{A}$ 52'14		minimum elong	1528 Jan 22 j 00:09	11° $\mathbb{A}$ 08'56	3°36'02
morning max el	1527 Mar 06 j 11:24	27° $\mathbb{A}$ 07'13	27°45'11	min. Earth dist.	1528 Jan 24 j 01:00	8° $\mathbb{A}$ 43'06	0.64834 AU
	1527 Mar 09 j 04:51	0° $\mathbb{H}$		morning rise	1528 Jan 27 j 17:04	4° $\mathbb{A}$ 55'35	
	1527 Mar 30 j 01:45	0° $\mathbb{Y}$		direct	1528 Feb 03 j 11:36	2° $\mathbb{A}$ 03'41	
morning set	1527 Apr 09 j 18:24	19° $\mathbb{Y}$ 56'32		desc. node	1528 Feb 15 j 01:43	8° $\mathbb{A}$ 07'54	
	1527 Apr 14 j 15:20	0° $\mathbb{B}$		morning max el	1528 Feb 16 j 20:43	9° $\mathbb{A}$ 51'22	27°11'55
max. Earth dist.	1527 Apr 15 j 02:48	1° $\mathbb{B}$ 00'47	1.32873 AU		1528 Mar 03 j 17:05	0° $\mathbb{H}$	
					1528 Mar 21 j 11:24	0° $\mathbb{Y}$	
superior conj	1527 Apr 17 j 10:20	5° $\mathbb{B}$ 58'01	-0°11'53	morning set	1528 Mar 23 j 08:57	3° $\mathbb{Y}$ 38'29	
minimum elong	1527 Apr 17 j 10:54	6° $\mathbb{B}$ 01'07	0°11'45	max. Earth dist.	1528 Mar 28 j 00:13	12° $\mathbb{Y}$ 53'22	1.33836 AU
behind sun begin	1527 Apr 17 j 07:20	5° $\mathbb{B}$ 41'54					
behind sun end	1527 Apr 17 j 14:28	6° $\mathbb{B}$ 20'21		superior conj	1528 Mar 31 j 14:05	20° $\mathbb{Y}$ 19'16	-0°39'32
asc. node	1527 Apr 18 j 13:22	8° $\mathbb{B}$ 24'05		minimum elong	1528 Mar 31 j 16:04	20° $\mathbb{Y}$ 29'39	0°39'07
evening rise	1527 Apr 24 j 11:07	21° $\mathbb{B}$ 07'14		asc. node	1528 Apr 04 j 10:25	28° $\mathbb{Y}$ 28'52	
	1527 Apr 28 j 18:53	0° $\mathbb{H}$			1528 Apr 05 j 03:33	0° $\mathbb{B}$	
evening max el	1527 May 17 j 20:21	28° $\mathbb{H}$ 39'05	23°27'58	evening rise	1528 Apr 07 j 21:54	5° $\mathbb{B}$ 50'23	
	1527 May 19 j 07:33	0° $\mathbb{B}$			1528 Apr 21 j 01:41	0° $\mathbb{H}$	
desc. node	1527 May 27 j 03:55	4° $\mathbb{B}$ 45'33		evening max el	1528 Apr 28 j 14:03	9° $\mathbb{H}$ 14'43	21°53'28
retrograde	1527 May 31 j 11:08	5° $\mathbb{B}$ 27'37		retrograde	1528 May 11 j 04:00	15° $\mathbb{H}$ 25'29	
evening set	1527 Jun 04 j 07:53	4° $\mathbb{B}$ 54'49		desc. node	1528 May 13 j 00:57	15° $\mathbb{H}$ 17'35	
min. Earth dist.	1527 Jun 11 j 06:36	1° $\mathbb{B}$ 42'52	0.55881 AU	evening set	1528 May 13 j 19:13	15° $\mathbb{H}$ 10'00	
inferior conj	1527 Jun 13 j 07:21	0° $\mathbb{B}$ 30'24	-4°14'44	inferior conj	1528 May 23 j 04:58	11° $\mathbb{H}$ 06'11	-2°49'45
minimum elong	1527 Jun 13 j 00:37	0° $\mathbb{B}$ 40'27	4°13'27	minimum elong	1528 May 22 j 21:43	11° $\mathbb{H}$ 16'19	2°47'29
	1527 Jun 14 j 03:50	30° $\mathbb{R}$ $\mathbb{H}$		min. Earth dist.	1528 May 22 j 18:35	11° $\mathbb{H}$ 20'42	0.55014 AU
morning rise	1527 Jun 21 j 20:00	26° $\mathbb{H}$ 35'02		morning rise	1528 Jun 01 j 01:30	7° $\mathbb{H}$ 11'55	
direct	1527 Jun 24 j 13:59	26° $\mathbb{H}$ 16'23		direct	1528 Jun 04 j 02:59	6° $\mathbb{H}$ 51'10	
	1527 Jul 03 j 17:53	0° $\mathbb{B}$		morning max el	1528 Jun 16 j 04:03	12° $\mathbb{H}$ 30'25	21°40'26
morning max el	1527 Jul 05 j 00:08	1° $\mathbb{B}$ 05'57	20°14'19		1528 Jun 28 j 23:10	0° $\mathbb{B}$	
asc. node	1527 Jul 15 j 12:35	15° $\mathbb{B}$ 19'41		asc. node	1528 Jul 01 j 09:38	4° $\mathbb{B}$ 28'08	
morning set	1527 Jul 23 j 10:22	0° $\mathbb{B}$ 28'08		morning set	1528 Jul 06 j 19:22	15° $\mathbb{B}$ 16'06	
	1527 Jul 23 j 04:51	0° $\mathbb{B}$			1528 Jul 13 j 19:28	0° $\mathbb{B}$	
superior conj	1527 Jul 31 j 02:53	16° $\mathbb{B}$ 11'48	1°45'44	superior conj	1528 Jul 14 j 02:32	0° $\mathbb{B}$ 37'00	1°40'08
minimum elong	1527 Jul 31 j 02:27	16° $\mathbb{B}$ 09'37	1°45'44	minimum elong	1528 Jul 14 j 00:53	0° $\mathbb{B}$ 28'22	1°40'02
max. Earth dist.	1527 Aug 05 j 08:33	26° $\mathbb{B}$ 30'37	1.36555 AU	max. Earth dist.	1528 Jul 17 j 21:32	8° $\mathbb{B}$ 25'08	1.34916 AU
	1527 Aug 07 j 04:42	0° $\mathbb{M}$		evening rise	1528 Jul 22 j 08:17	17° $\mathbb{B}$ 10'57	

	1528 Jul 29 j 08:27	0°♎		evening rise	1529 Jul 05 j 22:43	1°♏07'37	
desc. node	1528 Aug 09 j 00:15	17°♎12'27			1529 Jul 22 j 07:21	0°♎	
	1528 Aug 18 j 07:32	0°♏		desc. node	1529 Jul 26 j 21:18	6°♎45'38	
evening max el	1528 Aug 26 j 13:32	9°♏13'13	26°49'31	evening max el	1529 Aug 09 j 01:15	22°♎34'11	27°20'48
retrograde	1528 Sep 08 j 15:25	16°♏28'39		retrograde	1529 Aug 22 j 13:14	29°♎52'31	
evening set	1528 Sep 15 j 08:24	13°♏45'43		evening set	1529 Aug 29 j 15:34	27°♎09'39	
min. Earth dist.	1528 Sep 19 j 08:01	9°♏44'26	0.65730 AU	min. Earth dist.	1529 Sep 02 j 08:59	23°♎43'58	0.64355 AU
inferior conj	1528 Sep 21 j 03:52	7°♏36'03	-2°04'07	inferior conj	1529 Sep 04 j 17:38	21°♎12'50	-3°00'49
minimum elong	1528 Sep 21 j 07:09	7°♏26'27	2°02'50	minimum elong	1529 Sep 04 j 22:15	21°♎00'30	2°59'16
morning rise	1528 Sep 27 j 06:30	1°♏54'58		morning rise	1529 Sep 11 j 05:56	15°♎47'07	
asc. node	1528 Sep 27 j 08:50	1°♏51'58		direct	1529 Sep 13 j 20:27	15°♎12'24	
direct	1528 Sep 30 j 02:59	1°♏09'53		asc. node	1529 Sep 14 j 05:52	15°♎13'12	
morning max el	1528 Oct 06 j 16:55	4°♏45'12	18°21'42	morning max el	1529 Sep 20 j 08:39	18°♎38'59	17°58'05
	1528 Oct 23 j 22:32	0°♎			1529 Sep 28 j 16:46	0°♏	
morning set	1528 Oct 26 j 01:22	3°♎26'03		morning set	1529 Oct 07 j 15:34	14°♏58'39	
desc. node	1528 Nov 04 j 23:30	19°♎22'09			1529 Oct 16 j 14:48	0°♎	
superior conj	1528 Nov 10 j 07:33	27°♎48'28	-0°35'04	superior conj	1529 Oct 20 j 21:06	6°♎57'06	0°13'17
minimum elong	1528 Nov 10 j 03:00	27°♎30'32	0°34'27	minimum elong	1529 Oct 20 j 22:38	7°♎03'18	0°13'04
	1528 Nov 11 j 16:59	0°♎		behind sun begin	1529 Oct 20 j 16:30	6°♎38'32	
max. Earth dist.	1528 Nov 12 j 01:07	0°♎31'58	1.45110 AU	behind sun end	1529 Oct 21 j 04:45	7°♎28'02	
evening rise	1528 Nov 26 j 13:59	23°♎19'12		desc. node	1529 Oct 22 j 20:34	10°♎08'11	
	1528 Nov 30 j 20:09	0°♏		max. Earth dist.	1529 Oct 25 j 19:54	14°♎52'34	1.44572 AU
greatest brilliancy	1528 Dec 07 j 07:06	10°♏03'42	-0.8m		1529 Nov 04 j 11:58	0°♎	
evening max el	1528 Dec 19 j 22:04	27°♏22'27	19°17'28	evening rise	1529 Nov 06 j 02:57	2°♎30'22	
	1528 Dec 22 j 23:04	0°♏		greatest brilliancy	1529 Nov 20 j 05:30	23°♎52'06	-0.6m
asc. node	1528 Dec 24 j 08:09	0°♏47'30			1529 Nov 24 j 11:21	0°♏	
retrograde	1528 Dec 26 j 23:56	1°♏26'01		evening max el	1529 Dec 03 j 02:10	10°♏51'53	20°13'40
evening set	1528 Dec 30 j 09:28	0°♏18'37		retrograde	1529 Dec 10 j 21:47	15°♏27'30	
	1528 Dec 30 j 20:07	30°♎♏		asc. node	1529 Dec 11 j 05:10	15°♏26'58	
inferior conj	1529 Jan 04 j 22:58	24°♏26'46	3°13'48	evening set	1529 Dec 14 j 15:35	14°♏06'02	
minimum elong	1529 Jan 04 j 20:31	24°♏34'41	3°13'18	inferior conj	1529 Dec 20 j 01:44	8°♏00'58	2°41'13
min. Earth dist.	1529 Jan 06 j 07:06	22°♏43'34	0.66153 AU	minimum elong	1529 Dec 19 j 23:04	8°♏09'58	2°40'28
morning rise	1529 Jan 10 j 07:19	18°♏15'02		min. Earth dist.	1529 Dec 20 j 20:20	6°♏58'13	0.67069 AU
direct	1529 Jan 16 j 15:22	15°♏27'17		morning rise	1529 Dec 25 j 06:22	1°♏47'44	
morning max el	1529 Jan 29 j 06:16	22°♏55'18	26°10'52		1529 Dec 27 j 20:01	30°♎♎	
desc. node	1529 Jan 31 j 22:44	25°♏46'39		direct	1529 Dec 31 j 00:36	29°♎14'14	
	1529 Feb 04 j 12:53	0°♏			1530 Jan 03 j 11:18	0°♏	
	1529 Feb 25 j 00:29	0°♎		morning max el	1530 Jan 11 j 15:00	6°♏09'15	24°51'21
morning set	1529 Mar 06 j 10:35	16°♎37'34		desc. node	1530 Jan 18 j 19:47	14°♏24'33	
max. Earth dist.	1529 Mar 10 j 10:19	24°♎13'32	1.35259 AU		1530 Jan 30 j 02:57	0°♏	
	1529 Mar 13 j 08:28	0°♎		morning set	1530 Feb 16 j 18:12	28°♏39'37	
superior conj	1529 Mar 15 j 10:52	4°♎14'36	-1°06'51		1530 Feb 17 j 12:15	0°♎	
minimum elong	1529 Mar 15 j 14:09	4°♎31'22	1°06'16	max. Earth dist.	1530 Feb 20 j 10:00	5°♎16'27	1.37097 AU
asc. node	1529 Mar 22 j 07:28	18°♎24'34		superior conj	1530 Feb 26 j 21:38	17°♎35'47	-1°31'54
evening rise	1529 Mar 23 j 05:39	20°♎18'51		minimum elong	1530 Feb 27 j 01:45	17°♎55'59	1°31'22
	1529 Mar 28 j 02:09	0°♎			1530 Mar 05 j 03:09	0°♎	
evening max el	1529 Apr 10 j 17:26	20°♎17'29	20°30'11	evening rise	1530 Mar 07 j 08:08	4°♎25'58	
retrograde	1529 Apr 21 j 17:06	25°♎36'52		asc. node	1530 Mar 09 j 04:32	8°♎06'35	
evening set	1529 Apr 23 j 19:09	25°♎26'10			1530 Mar 22 j 11:22	0°♎	
desc. node	1529 Apr 29 j 21:59	23°♎11'01		evening max el	1530 Mar 24 j 08:26	1°♎59'18	19°24'43
inferior conj	1529 May 02 j 23:23	21°♎28'20	-0°53'21	retrograde	1530 Apr 02 j 15:19	6°♎28'20	
minimum elong	1529 May 02 j 20:52	21°♎32'00	0°52'26	evening set	1530 Apr 04 j 17:29	6°♎15'42	
min. Earth dist.	1529 May 04 j 07:18	20°♎42'08	0.55084 AU	inferior conj	1530 Apr 13 j 05:07	2°♎08'46	1°00'46
morning rise	1529 May 11 j 21:35	17°♎16'03		minimum elong	1530 Apr 13 j 07:34	2°♎04'46	0°59'56
direct	1529 May 15 j 13:44	16°♎46'57		min. Earth dist.	1530 Apr 15 j 21:58	0°♎23'28	0.56081 AU
morning max el	1529 May 28 j 22:41	23°♎16'22	23°19'46	desc. node	1530 Apr 16 j 19:00	29°♎50'51	
	1529 Jun 03 j 22:48	0°♎			1530 Apr 16 j 13:00	30°♎♎	
asc. node	1529 Jun 18 j 06:41	24°♎00'35		morning rise	1530 Apr 21 j 18:50	27°♎23'44	
morning set	1529 Jun 21 j 06:39	0°♏11'09		direct	1530 Apr 26 j 10:07	26°♎34'48	
	1529 Jun 21 j 04:31	0°♏			1530 May 06 j 00:29	0°♎	
superior conj	1529 Jun 28 j 08:23	15°♏20'21	1°28'43	morning max el	1530 May 10 j 13:22	3°♎44'35	25°00'29
minimum elong	1529 Jun 28 j 06:05	15°♏08'01	1°28'27		1530 May 29 j 03:27	0°♎	
max. Earth dist.	1529 Jun 30 j 19:50	20°♏36'39	1.33655 AU	asc. node	1530 Jun 05 j 03:46	13°♎50'25	
	1529 Jul 05 j 09:11	0°♏		morning set	1530 Jun 05 j 18:32	15°♎07'59	

superior conj	1530 Jun 12 j 18:04	0°☿14'26	1°12'34	superior conj	1531 May 28 j 05:37	15°♊12'30	0°52'31
minimum elong	1530 Jun 12 j 15:40	0°☿01'18	1°12'10	minimum elong	1531 May 28 j 03:34	15°♊01'16	0°52'08
	1530 Jun 12 j 15:25	0°☿		max. Earth dist.	1531 May 28 j 13:02	15°♊53'20	1.32316 AU
max. Earth dist.	1530 Jun 14 j 01:59	3°☿08'05	1.32792 AU	evening rise	1531 Jun 04 j 04:15	0°☿12'36	
evening rise	1530 Jun 19 j 22:21	15°☿31'12			1531 Jun 04 j 01:51	0°☿	
	1530 Jun 27 j 09:25	0°♊			1531 Jun 20 j 12:34	0°♊	
desc. node	1530 Jul 13 j 18:20	25°♊38'10		desc. node	1531 Jun 30 j 15:20	13°♊33'20	
	1530 Jul 17 j 07:08	0°♊		evening max el	1531 Jul 04 j 14:38	17°♊42'09	26°51'54
evening max el	1530 Jul 22 j 10:24	5°♊27'31	27°22'45	retrograde	1531 Jul 18 j 13:24	24°♊56'29	
retrograde	1530 Aug 05 j 04:56	12°♊44'48		evening set	1531 Jul 25 j 11:06	22°♊51'41	
evening set	1530 Aug 12 j 09:55	10°♊14'01		min. Earth dist.	1531 Jul 29 j 04:41	20°♊12'51	0.60656 AU
min. Earth dist.	1530 Aug 15 j 23:55	7°♊17'57	0.62635 AU	inferior conj	1531 Aug 01 j 10:34	17°♊29'40	-4°33'46
inferior conj	1530 Aug 18 j 20:58	4°♊33'18	-3°52'40	minimum elong	1531 Aug 01 j 14:51	17°♊20'38	4°33'07
minimum elong	1530 Aug 19 j 02:12	4°♊20'48	3°51'20	morning rise	1531 Aug 08 j 20:28	12°♊43'50	
	1530 Aug 24 j 13:55	30°♋♊		direct	1531 Aug 11 j 06:46	12°♊20'52	
morning rise	1530 Aug 25 j 19:53	29°♊26'13		morning max el	1531 Aug 18 j 13:21	15°♊55'45	18°05'23
direct	1530 Aug 28 j 06:59	28°♊58'40		asc. node	1531 Aug 19 j 00:01	16°♊22'16	
	1530 Aug 31 j 22:01	0°♊			1531 Aug 28 j 09:12	0°♊	
asc. node	1530 Sep 01 j 02:56	0°♊07'04		morning set	1531 Sep 03 j 09:49	11°♊00'59	
morning max el	1530 Sep 04 j 00:29	2°♊25'01	17°52'17				
morning set	1530 Sep 20 j 04:23	27°♊35'48		superior conj	1531 Sep 13 j 05:49	29°♊04'46	1°22'30
	1530 Sep 21 j 12:46	0°♊		minimum elong	1531 Sep 13 j 10:01	29°♊23'31	1°22'04
					1531 Sep 13 j 18:14	0°♊	
superior conj	1530 Oct 01 j 12:12	17°♊21'53	0°53'54	max. Earth dist.	1531 Sep 20 j 20:49	12°♊16'02	1.41665 AU
minimum elong	1530 Oct 01 j 16:42	17°♊40'52	0°53'19	evening rise	1531 Sep 26 j 08:40	21°♊16'58	
max. Earth dist.	1530 Oct 08 j 11:00	28°♊51'55	1.43370 AU	desc. node	1531 Sep 26 j 14:39	21°♊41'01	
	1530 Oct 09 j 03:51	0°♋			1531 Oct 01 j 21:25	0°♋	
desc. node	1530 Oct 09 j 17:37	0°♋55'27			1531 Oct 22 j 21:46	0°♋	
evening rise	1530 Oct 16 j 11:26	11°♋34'46		evening max el	1531 Oct 29 j 17:51	7°♋53'33	22°39'42
	1530 Oct 28 j 15:37	0°♋		retrograde	1531 Nov 08 j 14:36	13°♋45'13	
evening max el	1530 Nov 16 j 00:37	24°♋21'42	21°22'29	evening set	1531 Nov 13 j 06:36	11°♋51'27	
retrograde	1530 Nov 24 j 19:15	29°♋34'48		asc. node	1531 Nov 14 j 23:14	10°♋13'13	
asc. node	1530 Nov 28 j 02:12	28°♋34'40		inferior conj	1531 Nov 18 j 15:09	5°♋30'25	1°13'55
evening set	1530 Nov 28 j 23:11	27°♋57'50		minimum elong	1531 Nov 18 j 13:32	5°♋36'02	1°13'15
inferior conj	1530 Dec 04 j 07:46	21°♋42'54	2°00'42	min. Earth dist.	1531 Nov 18 j 10:54	5°♋45'05	0.67795 AU
minimum elong	1530 Dec 04 j 05:25	21°♋51'03	1°59'53		1531 Nov 23 j 02:22	30°♋♋	
min. Earth dist.	1530 Dec 04 j 14:26	21°♋19'55	0.67605 AU	morning rise	1531 Nov 23 j 20:19	29°♋19'58	
morning rise	1530 Dec 09 j 11:28	15°♋30'01		direct	1531 Nov 28 j 08:45	27°♋29'20	
direct	1530 Dec 14 j 14:42	13°♋16'46			1531 Dec 04 j 07:23	0°♋	
morning max el	1530 Dec 24 j 23:56	19°♋27'38	23°23'28	morning max el	1531 Dec 07 j 12:17	2°♋52'12	21°56'45
	1531 Jan 02 j 21:54	0°♋		desc. node	1531 Dec 23 j 13:52	23°♋33'40	
desc. node	1531 Jan 05 j 16:49	3°♋44'06			1531 Dec 27 j 23:09	0°♋	
	1531 Jan 23 j 07:25	0°♋		morning set	1532 Jan 09 j 03:40	18°♋51'03	
morning set	1531 Jan 29 j 01:29	9°♋27'31		max. Earth dist.	1532 Jan 15 j 02:40	28°♋36'07	1.41322 AU
max. Earth dist.	1531 Feb 02 j 04:46	16°♋33'05	1.39203 AU		1532 Jan 15 j 22:43	0°♋	
superior conj	1531 Feb 09 j 18:22	0°♋12'13	-1°52'00	superior conj	1532 Jan 22 j 20:13	11°♋52'17	-2°03'19
minimum elong	1531 Feb 09 j 22:11	0°♋29'59	1°51'42	minimum elong	1532 Jan 22 j 21:40	11°♋58'44	2°03'17
	1531 Feb 09 j 15:45	0°♋			1532 Feb 01 j 19:35	0°♋	
evening rise	1531 Feb 19 j 02:32	18°♋03'43		evening rise	1532 Feb 02 j 09:29	1°♋04'25	
asc. node	1531 Feb 24 j 01:34	27°♋28'59		asc. node	1532 Feb 10 j 22:35	16°♋25'19	
	1531 Feb 25 j 10:49	0°♌		evening max el	1532 Feb 18 j 17:27	27°♋05'29	18°13'38
evening max el	1531 Mar 07 j 09:27	14°♌17'58	18°39'10		1532 Feb 22 j 20:42	0°♌	
retrograde	1531 Mar 15 j 06:49	18°♌09'04		retrograde	1532 Feb 25 j 16:48	0°♌35'08	
evening set	1531 Mar 17 j 14:27	17°♌50'19		evening set	1532 Feb 28 j 06:15	0°♌07'43	
inferior conj	1531 Mar 25 j 06:39	13°♌25'46	2°27'05		1532 Feb 28 j 14:34	30°♌♌	
minimum elong	1531 Mar 25 j 10:45	13°♌17'58	2°26'00	inferior conj	1532 Mar 06 j 05:08	25°♌22'14	3°19'18
min. Earth dist.	1531 Mar 28 j 15:39	10°♌52'54	0.57793 AU	minimum elong	1532 Mar 06 j 08:07	25°♌15'37	3°18'49
morning rise	1531 Apr 02 j 03:58	8°♌07'55		min. Earth dist.	1532 Mar 09 j 14:15	22°♌23'53	0.59882 AU
desc. node	1531 Apr 03 j 16:02	7°♌31'00		morning rise	1532 Mar 13 j 07:45	19°♌40'31	
direct	1531 Apr 07 j 20:56	6°♌46'30		direct	1532 Mar 19 j 20:22	17°♌41'59	
morning max el	1531 Apr 22 j 05:47	14°♌21'47	26°27'13	desc. node	1532 Mar 20 j 13:03	17°♌43'18	
	1531 May 04 j 17:18	0°♌		morning max el	1532 Apr 03 j 03:35	25°♌30'18	27°26'04
morning set	1531 May 21 j 05:24	0°♌00'58			1532 Apr 07 j 07:36	0°♌	
	1531 May 21 j 05:13	0°♌			1532 Apr 27 j 01:42	0°♌	
asc. node	1531 May 23 j 00:51	3°♌51'49		morning set	1532 May 04 j 13:29	14°♌43'39	
				asc. node	1532 May 08 j 21:53	23°♌59'31	

max. Earth dist.	1532 May 11 j 01:20	28° $\text{U}$ 40'32	1.32226 AU		1533 Apr 19 j 02:40	0° $\text{U}$	
superior conj	1532 May 11 j 17:14	0° $\text{II}$ 07'54	0°29'19	max. Earth dist.	1533 Apr 24 j 11:09	11° $\text{U}$ 17'24	1.32524 AU
minimum elong	1532 May 11 j 15:58	0° $\text{II}$ 00'54	0°29'03	asc. node	1533 Apr 25 j 18:55	14° $\text{U}$ 09'30	
	1532 May 11 j 15:48	0° $\text{II}$		superior conj	1533 Apr 26 j 03:18	14° $\text{U}$ 55'06	0°03'43
evening rise	1532 May 18 j 14:01	15° $\text{II}$ 03'15		minimum elong	1533 Apr 26 j 03:07	14° $\text{U}$ 54'08	0°03'41
	1532 May 26 j 01:45	0° $\text{U}$		behind sun begin	1533 Apr 25 j 22:06	14° $\text{U}$ 26'50	
evening max el	1532 Jun 15 j 12:02	29° $\text{U}$ 10'22	25°49'15	behind sun end	1533 Apr 26 j 08:08	15° $\text{U}$ 21'28	
	1532 Jun 16 j 09:22	0° $\text{U}$		evening rise	1533 May 03 j 01:39	29° $\text{U}$ 56'28	
desc. node	1532 Jun 16 j 12:21	0° $\text{U}$ 06'43			1533 May 03 j 02:19	0° $\text{II}$	
retrograde	1532 Jun 29 j 12:34	6° $\text{U}$ 20'17			1533 May 19 j 18:45	0° $\text{U}$	
evening set	1532 Jul 05 j 14:20	4° $\text{U}$ 52'18		evening max el	1533 May 28 j 03:17	9° $\text{U}$ 57'51	24°22'51
min. Earth dist.	1532 Jul 10 j 00:28	2° $\text{U}$ 13'32	0.58598 AU	desc. node	1533 Jun 03 j 09:21	14° $\text{U}$ 46'26	
inferior conj	1532 Jul 13 j 06:44	29° $\text{U}$ 51'18	-4°54'41	retrograde	1533 Jun 11 j 00:17	16° $\text{U}$ 58'03	
minimum elong	1532 Jul 13 j 07:44	29° $\text{U}$ 49'28	4°54'40	evening set	1533 Jun 15 j 18:11	16° $\text{U}$ 07'44	
	1532 Jul 13 j 02:00	30° $\text{R}$ $\text{U}$		min. Earth dist.	1533 Jun 21 j 14:16	13° $\text{U}$ 12'02	0.56739 AU
morning rise	1532 Jul 21 j 03:26	25° $\text{U}$ 28'03		inferior conj	1533 Jun 24 j 06:53	11° $\text{U}$ 29'49	-4°42'15
direct	1532 Jul 23 j 15:34	25° $\text{U}$ 07'39		minimum elong	1533 Jun 24 j 02:42	11° $\text{U}$ 36'28	4°41'46
morning max el	1532 Jul 31 j 20:00	29° $\text{U}$ 01'16	18°38'44	morning rise	1533 Jul 02 j 13:57	7° $\text{U}$ 26'56	
	1532 Aug 01 j 19:28	0° $\text{U}$		direct	1533 Jul 05 j 05:37	7° $\text{U}$ 07'55	
asc. node	1532 Aug 04 j 21:05	3° $\text{U}$ 42'40		morning max el	1533 Jul 14 j 17:32	11° $\text{U}$ 32'39	19°33'21
morning set	1532 Aug 17 j 02:59	25° $\text{U}$ 00'14		asc. node	1533 Jul 22 j 18:08	21° $\text{U}$ 54'11	
	1532 Aug 19 j 16:38	0° $\text{U}$			1533 Jul 27 j 08:47	0° $\text{U}$	
				morning set	1533 Aug 01 j 04:19	9° $\text{U}$ 24'02	
superior conj	1532 Aug 25 j 21:01	11° $\text{U}$ 51'24	1°39'12	superior conj	1533 Aug 09 j 04:20	25° $\text{U}$ 26'43	1°45'47
minimum elong	1532 Aug 25 j 23:28	12° $\text{U}$ 02'55	1°39'04	minimum elong	1533 Aug 09 j 04:51	25° $\text{U}$ 29'15	1°45'47
max. Earth dist.	1532 Sep 02 j 02:01	24° $\text{U}$ 57'53	1.39674 AU		1533 Aug 11 j 12:25	0° $\text{U}$	
	1532 Sep 04 j 23:49	0° $\text{U}$		max. Earth dist.	1533 Aug 15 j 06:01	7° $\text{U}$ 03'51	1.37648 AU
evening rise	1532 Sep 06 j 04:40	2° $\text{U}$ 02'26		evening rise	1533 Aug 19 j 00:33	13° $\text{U}$ 55'01	
desc. node	1532 Sep 12 j 11:40	12° $\text{U}$ 20'36			1533 Aug 28 j 13:37	0° $\text{U}$	
	1532 Sep 24 j 04:44	0° $\text{U}$		desc. node	1533 Aug 30 j 08:40	2° $\text{U}$ 50'01	
evening max el	1532 Oct 11 j 07:25	21° $\text{U}$ 28'27	23°59'47		1533 Sep 19 j 01:17	0° $\text{U}$	
retrograde	1532 Oct 22 j 06:30	27° $\text{U}$ 55'00		evening max el	1533 Sep 23 j 19:21	5° $\text{U}$ 06'29	25°15'52
evening set	1532 Oct 27 j 12:10	25° $\text{U}$ 43'57		retrograde	1533 Oct 05 j 18:08	12° $\text{U}$ 00'18	
asc. node	1532 Oct 31 j 20:16	20° $\text{U}$ 47'46		evening set	1533 Oct 11 j 14:14	9° $\text{U}$ 33'13	
inferior conj	1532 Nov 01 j 22:03	19° $\text{U}$ 20'43	0°22'09	min. Earth dist.	1533 Oct 16 j 01:13	4° $\text{U}$ 34'47	0.67174 AU
minimum elong	1532 Nov 01 j 21:31	19° $\text{U}$ 22'31	0°21'54	inferior conj	1533 Oct 17 j 02:44	3° $\text{U}$ 11'49	-0°33'16
min. Earth dist.	1532 Nov 01 j 07:18	20° $\text{U}$ 10'42	0.67650 AU	minimum elong	1533 Oct 17 j 03:35	3° $\text{U}$ 09'04	0°32'54
morning rise	1532 Nov 07 j 06:50	13° $\text{U}$ 15'08		asc. node	1533 Oct 18 j 17:20	1° $\text{U}$ 08'56	
direct	1532 Nov 11 j 05:36	11° $\text{U}$ 46'41			1533 Oct 19 j 16:36	30° $\text{R}$ $\text{U}$	
morning max el	1532 Nov 19 j 07:22	16° $\text{U}$ 26'32	20°38'31	morning rise	1533 Oct 22 j 17:07	27° $\text{U}$ 13'39	
	1532 Nov 30 j 01:44	0° $\text{U}$		direct	1533 Oct 26 j 03:55	26° $\text{U}$ 04'58	
desc. node	1532 Dec 09 j 10:54	13° $\text{U}$ 44'32			1533 Nov 02 j 05:39	0° $\text{U}$	
morning set	1532 Dec 18 j 05:24	27° $\text{U}$ 09'07		morning max el	1533 Nov 02 j 10:22	0° $\text{U}$ 11'46	19°33'10
	1532 Dec 20 j 01:14	0° $\text{U}$		greatest brilliancy	1533 Nov 15 j 20:17	18° $\text{U}$ 08'23	-0.7m
max. Earth dist.	1532 Dec 27 j 08:32	11° $\text{U}$ 36'55	1.43150 AU		1533 Nov 23 j 14:59	0° $\text{U}$	
superior conj	1533 Jan 02 j 21:55	22° $\text{U}$ 23'58	-2°01'03	desc. node	1533 Nov 26 j 07:55	4° $\text{U}$ 10'31	
minimum elong	1533 Jan 02 j 18:38	22° $\text{U}$ 10'13	2°00'56	morning set	1533 Nov 27 j 03:03	5° $\text{U}$ 24'32	
	1533 Jan 07 j 09:34	0° $\text{U}$		max. Earth dist.	1533 Dec 09 j 21:41	25° $\text{U}$ 23'18	1.44451 AU
evening rise	1533 Jan 15 j 00:56	13° $\text{U}$ 19'48			1533 Dec 12 j 19:14	0° $\text{U}$	
	1533 Jan 24 j 16:32	0° $\text{U}$		superior conj	1533 Dec 13 j 21:02	1° $\text{U}$ 43'16	-1°40'47
asc. node	1533 Jan 27 j 19:35	4° $\text{U}$ 47'36		minimum elong	1533 Dec 13 j 12:59	1° $\text{U}$ 10'59	1°40'06
evening max el	1533 Feb 01 j 05:11	10° $\text{U}$ 12'58	18°07'44	evening rise	1533 Dec 27 j 20:33	24° $\text{U}$ 41'26	
retrograde	1533 Feb 07 j 17:53	13° $\text{U}$ 36'49			1533 Dec 31 j 00:21	0° $\text{U}$	
evening set	1533 Feb 10 j 12:26	12° $\text{U}$ 59'27		asc. node	1534 Jan 14 j 16:37	22° $\text{U}$ 24'47	
inferior conj	1533 Feb 16 j 21:43	7° $\text{U}$ 53'01	3°42'19	evening max el	1534 Jan 15 j 17:41	23° $\text{U}$ 31'54	18°20'50
minimum elong	1533 Feb 16 j 22:39	7° $\text{U}$ 50'38	3°42'15	retrograde	1534 Jan 22 j 05:23	27° $\text{U}$ 03'02	
min. Earth dist.	1533 Feb 19 j 20:31	4° $\text{U}$ 54'16	0.61995 AU	evening set	1534 Jan 25 j 04:58	26° $\text{U}$ 14'57	
morning rise	1533 Feb 23 j 07:35	1° $\text{U}$ 56'20		inferior conj	1534 Jan 31 j 04:16	20° $\text{U}$ 49'09	3°43'18
	1533 Feb 26 j 22:56	30° $\text{R}$ $\text{U}$		minimum elong	1534 Jan 31 j 03:23	20° $\text{U}$ 51'39	3°43'14
direct	1533 Mar 02 j 05:36	29° $\text{U}$ 26'50		min. Earth dist.	1534 Feb 02 j 12:19	18° $\text{U}$ 10'26	0.63889 AU
	1533 Mar 05 j 15:32	0° $\text{U}$		morning rise	1534 Feb 06 j 01:08	14° $\text{U}$ 43'39	
desc. node	1533 Mar 07 j 10:05	0° $\text{U}$ 41'18		direct	1534 Feb 12 j 23:00	11° $\text{U}$ 55'53	
morning max el	1533 Mar 16 j 07:39	7° $\text{U}$ 20'53	27°49'02	desc. node	1534 Feb 22 j 07:07	15° $\text{U}$ 54'57	
	1533 Apr 02 j 14:07	0° $\text{U}$		morning max el	1534 Feb 26 j 16:05	19° $\text{U}$ 49'07	27°35'06
morning set	1533 Apr 18 j 16:51	29° $\text{U}$ 09'53					



	1534 Mar 07 j 09:23	0°☿		desc. node	1535 Feb 09 j 04:09	2°☿49'19	
	1534 Mar 26 j 13:50	0°☿			1535 Mar 01 j 15:31	0°☿	
morning set	1534 Apr 02 j 12:58	13°☿10'35		morning set	1535 Mar 16 j 22:35	26°☿35'55	
max. Earth dist.	1534 Apr 07 j 14:18	23°☿29'19	1.33232 AU		1535 Mar 18 j 16:54	0°☿	
				max. Earth dist.	1535 Mar 21 j 07:02	5°☿07'09	1.34384 AU
superior conj	1534 Apr 10 j 09:54	29°☿27'09	-0°23'32				
minimum elong	1534 Apr 10 j 11:04	29°☿33'20	0°23'17	superior conj	1535 Mar 25 j 11:00	13°☿37'52	-0°51'15
	1534 Apr 10 j 16:03	0°☿		minimum elong	1535 Mar 25 j 13:33	13°☿51'11	0°50'46
asc. node	1534 Apr 12 j 15:56	4°☿17'00		asc. node	1535 Mar 30 j 12:58	24°☿18'07	
evening rise	1534 Apr 17 j 13:16	14°☿44'41		evening rise	1535 Apr 01 j 23:00	29°☿21'56	
	1534 Apr 25 j 05:53	0°☿			1535 Apr 02 j 06:20	0°☿	
evening max el	1534 May 09 j 17:38	20°☿27'18	22°46'55		1535 Apr 20 j 10:37	0°☿	
desc. node	1534 May 21 j 06:22	26°☿55'54		evening max el	1535 Apr 21 j 14:50	1°☿11'31	21°16'08
retrograde	1534 May 22 j 23:47	27°☿02'42		retrograde	1535 May 03 j 14:04	7°☿01'47	
evening set	1534 May 26 j 06:32	26°☿39'02		evening set	1535 May 05 j 21:14	6°☿49'36	
min. Earth dist.	1534 Jun 03 j 02:03	23°☿12'53	0.55411 AU	desc. node	1535 May 08 j 03:24	6°☿15'33	
inferior conj	1534 Jun 04 j 12:03	22°☿24'06	-3°44'07	inferior conj	1535 May 15 j 06:31	2°☿50'16	-2°02'22
minimum elong	1534 Jun 04 j 04:22	22°☿35'09	3°42'12	minimum elong	1535 May 15 j 00:52	2°☿58'13	2°00'26
morning rise	1534 Jun 13 j 04:34	18°☿31'47		min. Earth dist.	1535 May 15 j 14:30	2°☿39'02	0.54923 AU
direct	1534 Jun 16 j 01:06	18°☿12'49			1535 May 20 j 17:54	30°☿	
morning max el	1534 Jun 27 j 03:59	23°☿22'08	20°48'53	morning rise	1535 May 24 j 04:48	28°☿50'23	
	1534 Jul 02 j 22:09	0°☿		direct	1535 May 27 j 11:07	28°☿27'17	
asc. node	1534 Jul 09 j 15:11	10°☿44'20			1535 Jun 02 j 20:21	0°☿	
morning set	1534 Jul 16 j 11:07	24°☿04'39		morning max el	1535 Jun 09 j 03:38	4°☿29'04	22°21'38
	1534 Jul 19 j 07:43	0°☿			1535 Jun 26 j 11:29	0°☿	
				asc. node	1535 Jun 26 j 12:14	0°☿03'36	
superior conj	1534 Jul 23 j 23:06	9°☿36'53	1°44'09	morning set	1535 Jun 30 j 21:16	8°☿55'53	
minimum elong	1534 Jul 23 j 22:05	9°☿31'39	1°44'07				
max. Earth dist.	1534 Jul 28 j 14:02	18°☿53'47	1.35812 AU	superior conj	1535 Jul 08 j 01:43	24°☿10'46	1°35'57
evening rise	1534 Aug 01 j 16:36	26°☿45'53		minimum elong	1535 Jul 07 j 23:43	24°☿00'13	1°35'45
	1534 Aug 03 j 10:37	0°☿			1535 Jul 10 j 20:26	0°☿	
desc. node	1534 Aug 17 j 05:42	23°☿03'57		max. Earth dist.	1535 Jul 11 j 06:35	0°☿52'25	1.34327 AU
	1534 Aug 21 j 22:46	0°☿		evening rise	1535 Jul 16 j 00:07	10°☿22'18	
evening max el	1534 Sep 06 j 07:12	18°☿44'41	26°20'30		1535 Jul 26 j 20:37	0°☿	
retrograde	1534 Sep 19 j 00:59	25°☿55'54		desc. node	1535 Aug 04 j 02:45	12°☿54'46	
evening set	1534 Sep 25 j 10:56	23°☿16'40			1535 Aug 17 j 13:28	0°☿	
min. Earth dist.	1534 Sep 29 j 14:25	18°☿54'28	0.66354 AU	evening max el	1535 Aug 19 j 19:20	2°☿15'24	27°06'06
inferior conj	1534 Oct 01 j 03:24	17°☿01'20	-1°30'47	retrograde	1535 Sep 02 j 02:28	9°☿33'43	
minimum elong	1534 Oct 01 j 05:47	16°☿54'01	1°29'48	evening set	1535 Sep 08 j 23:53	6°☿49'30	
asc. node	1534 Oct 05 j 14:23	12°☿13'53		min. Earth dist.	1535 Sep 12 j 20:36	3°☿03'39	0.65181 AU
morning rise	1534 Oct 07 j 01:08	11°☿13'17		inferior conj	1535 Sep 14 j 21:53	0°☿44'31	-2°28'33
direct	1534 Oct 10 j 02:04	10°☿20'50		minimum elong	1535 Sep 15 j 01:47	0°☿33'30	2°27'06
morning max el	1534 Oct 16 j 20:13	14°☿05'06	18°43'06		1535 Sep 15 j 13:43	30°☿	
	1534 Oct 28 j 12:08	0°☿		morning rise	1535 Sep 21 j 04:29	25°☿09'35	
morning set	1534 Nov 06 j 20:25	14°☿44'21		asc. node	1535 Sep 22 j 11:26	24°☿40'43	
desc. node	1534 Nov 13 j 04:57	24°☿47'23		direct	1535 Sep 23 j 22:00	24°☿29'29	
	1534 Nov 16 j 12:22	0°☿		morning max el	1535 Sep 30 j 10:34	28°☿00'27	18°09'30
max. Earth dist.	1534 Nov 22 j 15:06	9°☿36'18	1.45076 AU		1535 Oct 02 j 06:01	0°☿	
				morning set	1535 Oct 18 j 18:51	25°☿30'57	
superior conj	1534 Nov 23 j 00:59	10°☿15'06	-1°02'27		1535 Oct 21 j 12:10	0°☿	
minimum elong	1534 Nov 22 j 17:22	9°☿45'13	1°01'32	desc. node	1535 Oct 31 j 02:00	15°☿30'58	
	1534 Dec 05 j 12:43	0°☿					
evening rise	1534 Dec 08 j 17:05	5°☿05'23		superior conj	1535 Nov 02 j 04:58	18°☿53'51	-0°14'11
greatest brilliancy	1534 Dec 16 j 01:13	16°☿51'22	-0.9m	minimum elong	1535 Nov 02 j 03:10	18°☿46'41	0°13'55
	1534 Dec 24 j 14:56	0°☿		behind sun begin	1535 Nov 01 j 21:30	18°☿24'12	
evening max el	1534 Dec 30 j 04:28	6°☿57'27	18°51'58	behind sun end	1535 Nov 02 j 08:50	19°☿09'09	
asc. node	1535 Jan 01 j 13:40	9°☿04'25		max. Earth dist.	1535 Nov 05 j 09:54	23°☿57'57	1.44966 AU
retrograde	1535 Jan 05 j 23:16	10°☿46'47			1535 Nov 09 j 06:10	0°☿	
evening set	1535 Jan 09 j 04:41	9°☿46'57		evening rise	1535 Nov 18 j 15:18	14°☿36'29	
inferior conj	1535 Jan 14 j 21:04	4°☿03'58	3°28'09		1535 Nov 28 j 14:35	0°☿	
minimum elong	1535 Jan 14 j 18:59	4°☿10'24	3°27'50	greatest brilliancy	1535 Dec 01 j 08:34	4°☿10'08	-0.7m
min. Earth dist.	1535 Jan 16 j 13:43	1°☿58'16	0.65438 AU	evening max el	1535 Dec 13 j 11:29	20°☿26'02	19°39'41
	1535 Jan 18 j 06:12	30°☿		asc. node	1535 Dec 19 j 10:42	24°☿31'35	
morning rise	1535 Jan 20 j 08:55	27°☿53'36		retrograde	1535 Dec 20 j 20:17	24°☿42'26	
direct	1535 Jan 26 j 23:26	25°☿01'53		evening set	1535 Dec 24 j 09:03	23°☿29'26	
	1535 Feb 06 j 03:59	0°☿		inferior conj	1535 Dec 29 j 20:55	17°☿31'49	3°01'04
morning max el	1535 Feb 09 j 01:56	2°☿43'45	26°48'52	minimum elong	1535 Dec 29 j 18:18	17°☿40'25	3°00'26



inferior conj	1537 Nov 27 j 08:07	14° $\text{♊}$ 53'56	1°41'32		1538 Nov 10 j 16:58	30° $\text{♋}$	
minimum elong	1537 Nov 27 j 06:01	15° $\text{♊}$ 01'12	1°40'44	inferior conj	1538 Nov 11 j 15:29	28° $\text{♋}$ 42'51	0°52'28
min. Earth dist.	1537 Nov 27 j 09:59	14° $\text{♊}$ 47'30	0.67732 AU	minimum elong	1538 Nov 11 j 14:17	28° $\text{♋}$ 46'59	0°51'57
morning rise	1537 Dec 02 j 12:11	8° $\text{♊}$ 42'06		min. Earth dist.	1538 Nov 11 j 06:39	29° $\text{♋}$ 13'11	0.67771 AU
direct	1537 Dec 07 j 09:02	6° $\text{♊}$ 38'32		morning rise	1538 Nov 16 j 21:57	22° $\text{♋}$ 34'17	
morning max el	1537 Dec 17 j 05:18	12° $\text{♊}$ 28'17	22°45'59	direct	1538 Nov 21 j 04:16	20° $\text{♋}$ 53'32	
desc. node	1537 Dec 30 j 19:18	29° $\text{♊}$ 26'19		morning max el	1538 Nov 29 j 20:22	25° $\text{♋}$ 57'22	21°22'08
	1537 Dec 31 j 04:54	0° $\text{♋}$			1538 Dec 03 j 11:49	0° $\text{♊}$	
	1538 Jan 19 j 20:34	0° $\text{♋}$		desc. node	1538 Dec 17 j 16:20	19° $\text{♊}$ 25'44	
morning set	1538 Jan 20 j 10:25	0° $\text{♋}$ 56'56			1538 Dec 24 j 17:18	0° $\text{♋}$	
max. Earth dist.	1538 Jan 25 j 04:15	8° $\text{♋}$ 54'44	1.40124 AU	morning set	1538 Dec 31 j 00:45	9° $\text{♋}$ 48'01	
				max. Earth dist.	1539 Jan 07 j 05:21	21° $\text{♋}$ 22'52	1.42148 AU
					1539 Jan 12 j 09:07	0° $\text{♋}$	
superior conj	1538 Feb 01 j 22:39	22° $\text{♋}$ 37'38	-1°58'09				
minimum elong	1538 Feb 02 j 01:46	22° $\text{♋}$ 51'51	1°57'58	superior conj	1539 Jan 14 j 14:42	3° $\text{♋}$ 49'23	-2°04'19
	1538 Feb 05 j 22:28	0° $\text{♋}$		minimum elong	1539 Jan 14 j 14:24	3° $\text{♋}$ 48'04	2°04'18
evening rise	1538 Feb 11 j 18:10	11° $\text{♋}$ 00'43		evening rise	1539 Jan 25 j 19:03	23° $\text{♋}$ 43'19	
asc. node	1538 Feb 18 j 04:06	22° $\text{♋}$ 55'17			1539 Jan 29 j 06:13	0° $\text{♋}$	
	1538 Feb 22 j 10:21	0° $\text{♋}$		asc. node	1539 Feb 05 j 01:08	11° $\text{♋}$ 38'27	
evening max el	1538 Feb 27 j 23:15	7° $\text{♋}$ 01'14	18°25'48	evening max el	1539 Feb 11 j 09:09	19° $\text{♋}$ 57'56	18°08'44
retrograde	1538 Mar 07 j 09:51	10° $\text{♋}$ 41'32		retrograde	1539 Feb 18 j 02:53	23° $\text{♋}$ 23'42	
evening set	1538 Mar 09 j 20:00	10° $\text{♋}$ 19'19		evening set	1539 Feb 20 j 18:25	22° $\text{♋}$ 52'19	
inferior conj	1538 Mar 17 j 04:22	5° $\text{♋}$ 45'36	2°53'17	inferior conj	1539 Feb 27 j 11:04	17° $\text{♋}$ 57'52	3°32'11
minimum elong	1538 Mar 17 j 08:13	5° $\text{♋}$ 37'46	2°52'25	minimum elong	1539 Feb 27 j 13:12	17° $\text{♋}$ 52'50	3°31'56
min. Earth dist.	1538 Mar 20 j 14:54	2° $\text{♋}$ 59'03	0.58655 AU	min. Earth dist.	1539 Mar 02 j 16:41	14° $\text{♋}$ 56'12	0.60791 AU
morning rise	1538 Mar 24 j 17:41	0° $\text{♋}$ 16'18		morning rise	1539 Mar 06 j 06:06	12° $\text{♋}$ 08'26	
	1538 Mar 25 j 06:43	30° $\text{♋}$		direct	1539 Mar 12 j 23:49	9° $\text{♋}$ 55'23	
desc. node	1538 Mar 28 j 18:27	28° $\text{♋}$ 50'30		desc. node	1539 Mar 15 j 15:29	10° $\text{♋}$ 14'47	
direct	1538 Mar 30 j 19:53	28° $\text{♋}$ 39'23		morning max el	1539 Mar 27 j 05:39	17° $\text{♋}$ 47'49	27°40'26
	1538 Apr 05 j 12:54	0° $\text{♋}$			1539 Apr 06 j 10:10	0° $\text{♋}$	
morning max el	1538 Apr 14 j 04:51	6° $\text{♋}$ 20'58	26°56'26		1539 Apr 24 j 10:12	0° $\text{♋}$	
	1538 May 01 j 18:44	0° $\text{♋}$		morning set	1539 Apr 28 j 12:53	8° $\text{♋}$ 14'32	
morning set	1538 May 14 j 06:33	23° $\text{♋}$ 37'58		asc. node	1539 May 04 j 00:26	19° $\text{♋}$ 53'34	
asc. node	1538 May 17 j 03:24	29° $\text{♋}$ 44'24		max. Earth dist.	1539 May 04 j 17:10	21° $\text{♋}$ 24'40	1.32298 AU
	1538 May 17 j 06:17	0° $\text{♋}$					
superior conj	1538 May 21 j 07:54	8° $\text{♋}$ 53'47	0°43'01	superior conj	1539 May 05 j 19:03	23° $\text{♋}$ 46'15	0°18'41
minimum elong	1538 May 21 j 06:08	8° $\text{♋}$ 44'04	0°42'40	minimum elong	1539 May 05 j 18:12	23° $\text{♋}$ 41'38	0°18'31
max. Earth dist.	1538 May 21 j 05:34	8° $\text{♋}$ 40'57	1.32232 AU		1539 May 08 j 15:14	0° $\text{♋}$	
evening rise	1538 May 28 j 05:20	23° $\text{♋}$ 50'46		evening rise	1539 May 12 j 16:05	8° $\text{♋}$ 42'54	
	1538 May 31 j 04:58	0° $\text{♋}$			1539 May 23 j 16:43	0° $\text{♋}$	
	1538 Jun 17 j 23:24	0° $\text{♋}$		evening max el	1539 Jun 08 j 09:29	21° $\text{♋}$ 09'01	25°14'39
desc. node	1538 Jun 24 j 17:46	8° $\text{♋}$ 06'50		desc. node	1539 Jun 11 j 14:45	23° $\text{♋}$ 56'12	
evening max el	1538 Jun 26 j 15:16	10° $\text{♋}$ 00'31	26°28'42	retrograde	1539 Jun 22 j 09:49	28° $\text{♋}$ 16'58	
retrograde	1538 Jul 10 j 14:50	17° $\text{♋}$ 13'15		evening set	1539 Jun 27 j 23:06	27° $\text{♋}$ 05'30	
evening set	1538 Jul 17 j 05:57	15° $\text{♋}$ 22'51		min. Earth dist.	1539 Jul 02 j 21:18	24° $\text{♋}$ 21'20	0.57754 AU
min. Earth dist.	1538 Jul 21 j 04:27	12° $\text{♋}$ 46'39	0.59780 AU	inferior conj	1539 Jul 05 j 23:52	22° $\text{♋}$ 13'45	-4°54'25
inferior conj	1538 Jul 24 j 12:04	10° $\text{♋}$ 09'45	-4°45'49	minimum elong	1539 Jul 05 j 22:47	22° $\text{♋}$ 15'37	4°54'22
minimum elong	1538 Jul 24 j 15:16	10° $\text{♋}$ 03'23	4°45'29	morning rise	1539 Jul 14 j 01:05	18° $\text{♋}$ 00'04	
morning rise	1538 Aug 01 j 02:39	5° $\text{♋}$ 33'48		direct	1539 Jul 16 j 14:21	17° $\text{♋}$ 40'34	
direct	1538 Aug 03 j 13:34	5° $\text{♋}$ 12'04		morning max el	1539 Jul 25 j 07:19	21° $\text{♋}$ 45'56	18°59'27
morning max el	1538 Aug 11 j 04:07	8° $\text{♋}$ 53'07	18°17'04	asc. node	1539 Jul 30 j 23:39	28° $\text{♋}$ 41'19	
asc. node	1538 Aug 13 j 02:36	10° $\text{♋}$ 57'15			1539 Jul 31 j 20:30	0° $\text{♋}$	
	1538 Aug 24 j 21:07	0° $\text{♋}$		morning set	1539 Aug 10 j 23:59	18° $\text{♋}$ 25'21	
morning set	1538 Aug 27 j 02:56	4° $\text{♋}$ 14'20			1539 Aug 16 j 20:53	0° $\text{♋}$	
superior conj	1538 Sep 05 j 10:47	21° $\text{♋}$ 43'50	1°30'57	superior conj	1539 Aug 19 j 09:33	4° $\text{♋}$ 53'45	1°43'07
minimum elong	1538 Sep 05 j 14:20	21° $\text{♋}$ 59'59	1°30'39	minimum elong	1539 Aug 19 j 11:09	5° $\text{♋}$ 01'27	1°43'03
	1538 Sep 10 j 01:47	0° $\text{♋}$		max. Earth dist.	1539 Aug 26 j 04:18	17° $\text{♋}$ 30'02	1.38794 AU
max. Earth dist.	1538 Sep 13 j 00:40	5° $\text{♋}$ 06'32	1.40837 AU	evening rise	1539 Aug 30 j 01:00	24° $\text{♋}$ 17'57	
evening rise	1538 Sep 17 j 18:30	13° $\text{♋}$ 02'36			1539 Sep 02 j 09:42	0° $\text{♋}$	
desc. node	1538 Sep 20 j 17:07	17° $\text{♋}$ 48'26		desc. node	1539 Sep 07 j 14:07	8° $\text{♋}$ 24'44	
	1538 Sep 28 j 13:44	0° $\text{♋}$			1539 Sep 22 j 07:39	0° $\text{♋}$	
	1538 Oct 21 j 01:38	0° $\text{♋}$		evening max el	1539 Oct 04 j 13:15	14° $\text{♋}$ 35'56	24°33'03
evening max el	1538 Oct 22 j 00:43	0° $\text{♋}$ 59'16	23°13'46	retrograde	1539 Oct 15 j 23:13	21° $\text{♋}$ 16'01	
retrograde	1538 Nov 01 j 08:51	7° $\text{♋}$ 06'56		evening set	1539 Oct 21 j 10:52	18° $\text{♋}$ 57'56	
evening set	1538 Nov 06 j 06:33	5° $\text{♋}$ 05'33		min. Earth dist.	1539 Oct 26 j 02:25	13° $\text{♋}$ 39'04	0.67486 AU
asc. node	1538 Nov 09 j 01:48	2° $\text{♋}$ 08'09		inferior conj	1539 Oct 26 j 21:42	12° $\text{♋}$ 34'41	-0°00'59

minimum elong	1539 Oct 26 j 21:43	12° $\mathbb{M}$ 34'37	0°00'59		1540 Aug 25 j 05:43	0° $\mathbb{L}$	
transit middle	1539 Oct 26 j 21:43	12° $\mathbb{M}$ 34'37	0°00'59	evening max el	1540 Sep 16 j 01:13	28° $\mathbb{L}$ 15'35	25°45'17
transit begin	1539 Oct 26 j 18:59	12° $\mathbb{M}$ 43'46			1540 Sep 17 j 22:07	0° $\mathbb{M}$	
transit end	1539 Oct 27 j 00:27	12° $\mathbb{M}$ 25'28		retrograde	1540 Sep 28 j 08:53	5° $\mathbb{M}$ 17'57	
asc. node	1539 Oct 26 j 22:50	12° $\mathbb{M}$ 30'52		evening set	1540 Oct 04 j 10:55	2° $\mathbb{M}$ 45'24	
morning rise	1539 Nov 01 j 08:38	6° $\mathbb{M}$ 31'44			1540 Oct 07 j 03:58	30° $\mathbb{R}$ $\mathbb{L}$	
direct	1539 Nov 05 j 01:58	5° $\mathbb{M}$ 12'10		min. Earth dist.	1540 Oct 08 j 18:45	28° $\mathbb{L}$ 01'59	0.66867 AU
morning max el	1539 Nov 12 j 18:50	9° $\mathbb{M}$ 37'07	20°08'52	inferior conj	1540 Oct 10 j 00:56	26° $\mathbb{L}$ 26'03	-0°57'29
	1539 Nov 28 j 02:17	0° $\mathbb{X}$		minimum elong	1540 Oct 10 j 02:26	26° $\mathbb{L}$ 21'20	0°56'50
desc. node	1539 Dec 04 j 13:22	9° $\mathbb{X}$ 44'01		asc. node	1540 Oct 12 j 19:54	23° $\mathbb{L}$ 04'42	
morning set	1539 Dec 09 j 21:28	17° $\mathbb{X}$ 55'33		morning rise	1540 Oct 15 j 18:13	20° $\mathbb{L}$ 31'32	
	1539 Dec 17 j 14:48	0° $\mathbb{Z}$		direct	1540 Oct 19 j 00:34	19° $\mathbb{L}$ 30'05	
max. Earth dist.	1539 Dec 20 j 13:53	4° $\mathbb{Z}$ 42'45	1.43781 AU	morning max el	1540 Oct 26 j 00:54	23° $\mathbb{L}$ 26'09	19°09'50
					1540 Oct 31 j 11:23	0° $\mathbb{M}$	
superior conj	1539 Dec 26 j 05:01	13° $\mathbb{Z}$ 49'51	-1°54'48	morning set	1540 Nov 18 j 01:19	26° $\mathbb{M}$ 32'45	
minimum elong	1539 Dec 25 j 23:24	13° $\mathbb{Z}$ 26'54	1°54'30	desc. node	1540 Nov 20 j 10:26	0° $\mathbb{X}$ 15'29	
	1540 Jan 04 j 20:22	0° $\mathbb{M}$			1540 Nov 20 j 06:28	0° $\mathbb{X}$	
evening rise	1540 Jan 08 j 02:33	5° $\mathbb{M}$ 36'35		max. Earth dist.	1540 Dec 02 j 05:12	18° $\mathbb{X}$ 43'02	1.44812 AU
asc. node	1540 Jan 22 j 22:09	29° $\mathbb{M}$ 43'09					
	1540 Jan 23 j 03:19	0° $\mathbb{X}$		superior conj	1540 Dec 04 j 18:26	22° $\mathbb{X}$ 44'58	-1°26'27
evening max el	1540 Jan 25 j 21:34	3° $\mathbb{X}$ 11'20	18°11'04	minimum elong	1540 Dec 04 j 09:41	22° $\mathbb{X}$ 10'21	1°25'34
retrograde	1540 Feb 01 j 08:48	6° $\mathbb{X}$ 36'41			1540 Dec 09 j 07:42	0° $\mathbb{Z}$	
evening set	1540 Feb 04 j 05:25	5° $\mathbb{X}$ 54'57		evening rise	1540 Dec 19 j 12:36	16° $\mathbb{Z}$ 34'04	
inferior conj	1540 Feb 10 j 10:05	0° $\mathbb{X}$ 40'22	3°44'58		1540 Dec 27 j 16:54	0° $\mathbb{M}$	
minimum elong	1540 Feb 10 j 10:11	0° $\mathbb{X}$ 40'06	3°44'58	evening max el	1541 Jan 08 j 09:43	16° $\mathbb{M}$ 34'38	18°31'58
	1540 Feb 11 j 01:07	30° $\mathbb{R}$ $\mathbb{M}$		asc. node	1541 Jan 08 j 19:10	16° $\mathbb{M}$ 58'08	
min. Earth dist.	1540 Feb 13 j 03:02	27° $\mathbb{M}$ 47'44	0.62843 AU	retrograde	1541 Jan 14 j 23:21	20° $\mathbb{M}$ 11'50	
morning rise	1540 Feb 16 j 13:55	24° $\mathbb{M}$ 39'20		evening set	1541 Jan 18 j 01:23	19° $\mathbb{M}$ 18'47	
direct	1540 Feb 23 j 13:04	21° $\mathbb{M}$ 59'52		inferior conj	1541 Jan 23 j 21:25	13° $\mathbb{M}$ 45'32	3°38'30
desc. node	1540 Mar 01 j 12:31	24° $\mathbb{M}$ 14'42		minimum elong	1541 Jan 23 j 19:57	13° $\mathbb{M}$ 49'53	3°38'22
morning max el	1540 Mar 08 j 11:45	29° $\mathbb{M}$ 55'04	27°47'17	min. Earth dist.	1541 Jan 25 j 22:53	11° $\mathbb{M}$ 19'48	0.64603 AU
	1540 Mar 08 j 13:43	0° $\mathbb{X}$		morning rise	1541 Jan 29 j 14:02	7° $\mathbb{M}$ 37'53	
	1540 Mar 30 j 09:37	0° $\mathbb{Y}$		direct	1541 Feb 05 j 09:39	4° $\mathbb{M}$ 46'41	
morning set	1540 Apr 11 j 13:29	22° $\mathbb{Y}$ 30'56		desc. node	1541 Feb 16 j 09:35	10° $\mathbb{M}$ 15'45	
	1540 Apr 15 j 04:43	0° $\mathbb{Z}$		morning max el	1541 Feb 18 j 20:56	12° $\mathbb{M}$ 35'54	27°18'53
max. Earth dist.	1540 Apr 17 j 00:23	3° $\mathbb{Z}$ 51'12	1.32767 AU		1541 Mar 04 j 20:02	0° $\mathbb{X}$	
					1541 Mar 22 j 22:27	0° $\mathbb{Y}$	
superior conj	1540 Apr 19 j 03:53	8° $\mathbb{Z}$ 27'57	-0°07'44	morning set	1541 Mar 26 j 05:38	6° $\mathbb{Y}$ 18'30	
minimum elong	1540 Apr 19 j 04:15	8° $\mathbb{Z}$ 29'57	0°07'40	max. Earth dist.	1541 Mar 30 j 23:29	15° $\mathbb{Y}$ 49'48	1.33668 AU
behind sun begin	1540 Apr 18 j 23:39	8° $\mathbb{Z}$ 05'04					
behind sun end	1540 Apr 19 j 08:52	8° $\mathbb{Z}$ 54'52		superior conj	1541 Apr 03 j 08:30	22° $\mathbb{Y}$ 52'42	-0°35'18
asc. node	1540 Apr 19 j 21:28	10° $\mathbb{Z}$ 03'05		minimum elong	1541 Apr 03 j 10:15	23° $\mathbb{Y}$ 02'00	0°34'57
evening rise	1540 Apr 26 j 03:56	23° $\mathbb{Z}$ 34'41		asc. node	1541 Apr 06 j 18:31	0° $\mathbb{Z}$ 09'02	
	1540 Apr 29 j 06:12	0° $\mathbb{II}$			1541 Apr 06 j 16:49	0° $\mathbb{Z}$	
	1540 May 18 j 06:04	0° $\mathbb{L}$		evening rise	1541 Apr 10 j 15:02	8° $\mathbb{Z}$ 19'55	
evening max el	1540 May 19 j 23:36	1° $\mathbb{L}$ 45'38	23°42'23		1541 Apr 22 j 03:00	0° $\mathbb{II}$	
desc. node	1540 May 28 j 11:47	7° $\mathbb{L}$ 36'20		evening max el	1541 May 01 j 16:15	12° $\mathbb{II}$ 18'59	22°06'59
retrograde	1540 Jun 02 j 16:28	8° $\mathbb{L}$ 37'37		retrograde	1541 May 14 j 10:46	18° $\mathbb{II}$ 36'33	
evening set	1540 Jun 06 j 18:37	8° $\mathbb{L}$ 00'52		desc. node	1541 May 15 j 08:47	18° $\mathbb{II}$ 34'38	
min. Earth dist.	1540 Jun 13 j 10:11	4° $\mathbb{L}$ 53'30	0.56079 AU	evening set	1541 May 17 j 05:34	18° $\mathbb{II}$ 19'21	
inferior conj	1540 Jun 15 j 15:30	3° $\mathbb{L}$ 33'04	-4°23'37	min. Earth dist.	1541 May 25 j 21:58	14° $\mathbb{II}$ 36'36	0.55092 AU
minimum elong	1540 Jun 15 j 09:19	3° $\mathbb{L}$ 42'25	4°22'33	inferior conj	1541 May 26 j 14:44	14° $\mathbb{II}$ 13'03	-3°05'17
	1540 Jun 22 j 16:11	30° $\mathbb{R}$ $\mathbb{II}$		minimum elong	1541 May 26 j 07:10	14° $\mathbb{II}$ 23'40	3°03'03
morning rise	1540 Jun 24 j 02:42	29° $\mathbb{II}$ 36'02		morning rise	1541 Jun 04 j 10:23	10° $\mathbb{II}$ 20'00	
direct	1540 Jun 26 j 20:05	29° $\mathbb{II}$ 17'19		direct	1541 Jun 07 j 10:30	9° $\mathbb{II}$ 59'49	
	1540 Jun 30 j 19:40	0° $\mathbb{L}$		morning max el	1541 Jun 19 j 05:49	15° $\mathbb{II}$ 30'56	21°26'35
morning max el	1540 Jul 07 j 00:16	4° $\mathbb{L}$ 00'14	20°03'05		1541 Jun 30 j 05:38	0° $\mathbb{L}$	
asc. node	1540 Jul 16 j 20:43	17° $\mathbb{L}$ 10'41		asc. node	1541 Jul 03 j 17:47	6° $\mathbb{L}$ 14'41	
	1540 Jul 23 j 16:48	0° $\mathbb{L}$		morning set	1541 Jul 09 j 12:26	17° $\mathbb{L}$ 43'17	
morning set	1540 Jul 25 j 03:57	2° $\mathbb{L}$ 57'08			1541 Jul 15 j 08:57	0° $\mathbb{L}$	
superior conj	1540 Aug 01 j 22:14	18° $\mathbb{L}$ 45'16	1°46'00	superior conj	1541 Jul 16 j 20:43	3° $\mathbb{L}$ 06'36	1°41'23
minimum elong	1540 Aug 01 j 22:02	18° $\mathbb{L}$ 44'16	1°45'59	minimum elong	1541 Jul 16 j 19:12	2° $\mathbb{L}$ 58'46	1°41'18
max. Earth dist.	1540 Aug 07 j 09:10	29° $\mathbb{L}$ 25'26	1.36829 AU	max. Earth dist.	1541 Jul 20 j 20:52	11° $\mathbb{L}$ 18'16	1.35138 AU
	1540 Aug 07 j 16:27	0° $\mathbb{M}$		evening rise	1541 Jul 25 j 05:17	19° $\mathbb{L}$ 49'06	
evening rise	1540 Aug 11 j 06:04	6° $\mathbb{M}$ 37'15			1541 Jul 30 j 18:20	0° $\mathbb{M}$	
desc. node	1540 Aug 24 j 11:09	28° $\mathbb{M}$ 48'29		desc. node	1541 Aug 11 j 08:10	18° $\mathbb{M}$ 53'32	

	1541 Aug 19 j 05:51	0°♄		desc. node	1542 Jul 29 j 05:11	8°♄31'45	
evening max el	1541 Aug 29 j 13:27	11°♄52'18	26°42'42	evening max el	1542 Aug 12 j 01:16	25°♄16'04	27°17'55
retrograde	1541 Sep 11 j 13:17	19°♄06'43			1542 Aug 17 j 22:33	0°♄	
evening set	1541 Sep 18 j 04:36	16°♄24'29		retrograde	1542 Aug 25 j 12:07	2°♄34'46	
min. Earth dist.	1541 Sep 22 j 05:12	12°♄17'51	0.65903 AU		1542 Sep 01 j 08:42	30°♄	
inferior conj	1541 Sep 23 j 23:15	10°♄13'19	-1°55'23	evening set	1542 Sep 01 j 13:23	29°♄51'03	
minimum elong	1541 Sep 24 j 02:18	10°♄04'17	1°54'10	min. Earth dist.	1542 Sep 05 j 07:31	26°♄20'25	0.64576 AU
asc. node	1541 Sep 29 j 16:58	4°♄41'04		inferior conj	1542 Sep 07 j 14:20	23°♄52'01	-2°52'29
morning rise	1541 Sep 30 j 00:33	4°♄30'24		minimum elong	1542 Sep 07 j 18:47	23°♄39'57	2°50'57
direct	1541 Oct 02 j 22:09	3°♄43'29		morning rise	1542 Sep 14 j 01:07	18°♄23'57	
morning max el	1541 Oct 09 j 12:55	7°♄20'42	18°26'45	direct	1542 Sep 16 j 16:19	17°♄47'58	
	1541 Oct 25 j 06:08	0°♄		asc. node	1542 Sep 16 j 14:02	17°♄48'01	
morning set	1541 Oct 29 j 06:54	6°♄29'49		morning max el	1542 Sep 23 j 04:24	21°♄15'26	18°00'31
desc. node	1541 Nov 07 j 07:28	20°♄55'43			1542 Sep 29 j 21:01	0°♄	
	1541 Nov 13 j 01:19	0°♄		morning set	1542 Oct 10 j 17:09	17°♄51'05	
					1542 Oct 17 j 23:49	0°♄	
superior conj	1541 Nov 13 j 19:33	1°♄11'42	-0°42'27	superior conj	1542 Oct 24 j 06:06	10°♄11'25	0°06'17
minimum elong	1541 Nov 13 j 14:04	0°♄50'10	0°41'44	minimum elong	1542 Oct 24 j 06:50	10°♄14'25	0°06'10
max. Earth dist.	1541 Nov 15 j 00:11	3°♄04'12	1.45124 AU	behind sun begin	1542 Oct 23 j 21:06	9°♄35'13	
evening rise	1541 Nov 29 j 23:12	26°♄34'31		behind sun end	1542 Oct 24 j 16:35	10°♄53'33	
	1541 Dec 02 j 03:18	0°♄		desc. node	1542 Oct 25 j 04:31	11°♄41'21	
greatest brilliancy	1541 Dec 09 j 21:47	12°♄12'28	-0.8m	max. Earth dist.	1542 Oct 28 j 19:01	17°♄25'40	1.44691 AU
	1541 Dec 22 j 18:19	0°♄			1542 Nov 05 j 19:40	0°♄	
evening max el	1541 Dec 22 j 19:09	0°♄02'10	19°10'19	evening rise	1542 Nov 09 j 14:11	5°♄50'05	
asc. node	1541 Dec 26 j 16:13	3°♄09'16		greatest brilliancy	1542 Nov 23 j 18:14	27°♄20'55	-0.6m
retrograde	1541 Dec 29 j 18:58	4°♄01'48			1542 Nov 25 j 13:41	0°♄	
evening set	1542 Jan 02 j 03:24	2°♄56'22		evening max el	1542 Dec 06 j 00:02	13°♄31'33	20°04'23
	1542 Jan 05 j 08:48	30°♄		retrograde	1542 Dec 13 j 16:43	18°♄02'10	
inferior conj	1542 Jan 07 j 17:33	27°♄06'38	3°17'55	asc. node	1542 Dec 13 j 13:16	18°♄02'03	
minimum elong	1542 Jan 07 j 15:11	27°♄14'13	3°17'28	evening set	1542 Dec 17 j 09:08	16°♄42'58	
min. Earth dist.	1542 Jan 09 j 03:48	25°♄17'34	0.65980 AU	inferior conj	1542 Dec 22 j 19:39	10°♄39'40	2°46'45
morning rise	1542 Jan 13 j 02:43	20°♄55'11		minimum elong	1542 Dec 22 j 16:59	10°♄48'38	2°46'00
direct	1542 Jan 19 j 12:31	18°♄06'10		min. Earth dist.	1542 Dec 23 j 16:12	9°♄30'46	0.66957 AU
morning max el	1542 Feb 01 j 06:41	25°♄38'09	26°21'25	morning rise	1542 Dec 28 j 00:39	4°♄26'24	
desc. node	1542 Feb 03 j 06:39	27°♄43'55		direct	1543 Jan 02 j 21:02	1°♄50'13	
	1542 Feb 05 j 06:59	0°♄		morning max el	1543 Jan 14 j 15:33	8°♄51'21	25°03'55
	1542 Feb 26 j 08:27	0°♄		desc. node	1543 Jan 21 j 03:42	16°♄14'20	
morning set	1542 Mar 09 j 09:29	19°♄24'55			1543 Jan 31 j 07:20	0°♄	
max. Earth dist.	1542 Mar 13 j 11:26	27°♄14'51	1.35021 AU		1543 Feb 18 j 22:27	0°♄	
	1542 Mar 14 j 20:52	0°♄		morning set	1543 Feb 19 j 20:10	1°♄36'39	
				max. Earth dist.	1543 Feb 23 j 12:15	8°♄17'55	1.36802 AU
superior conj	1542 Mar 18 j 06:28	6°♄52'14	-1°02'47	superior conj	1543 Mar 01 j 18:55	20°♄19'03	-1°28'22
minimum elong	1542 Mar 18 j 09:34	7°♄08'11	1°02'14	minimum elong	1543 Mar 01 j 22:59	20°♄39'01	1°27'48
asc. node	1542 Mar 24 j 15:32	20°♄06'19			1543 Mar 06 j 15:14	0°♄	
evening rise	1542 Mar 25 j 23:22	22°♄50'59		evening rise	1543 Mar 10 j 02:46	7°♄01'33	
	1542 Mar 29 j 12:15	0°♄		asc. node	1543 Mar 11 j 12:34	9°♄50'35	
evening max el	1542 Apr 13 j 17:51	23°♄16'13	20°41'30		1543 Mar 23 j 02:46	0°♄	
retrograde	1542 Apr 24 j 23:51	28°♄43'56		evening max el	1543 Mar 27 j 07:09	4°♄52'11	19°33'12
evening set	1542 Apr 27 j 02:43	28°♄33'04		retrograde	1543 Apr 05 j 19:53	9°♄28'01	
desc. node	1542 May 02 j 05:50	26°♄48'51		evening set	1543 Apr 07 j 21:26	9°♄16'01	
inferior conj	1542 May 06 j 08:41	24°♄35'14	-1°11'42	inferior conj	1543 Apr 16 j 11:57	5°♄11'24	0°44'53
minimum elong	1542 May 06 j 05:17	24°♄40'06	1°10'27	minimum elong	1543 Apr 16 j 13:50	5°♄08'23	0°44'13
min. Earth dist.	1542 May 07 j 10:32	23°♄58'10	0.55013 AU	min. Earth dist.	1543 Apr 19 j 00:59	3°♄34'17	0.55880 AU
morning rise	1542 May 15 j 07:13	20°♄26'45		desc. node	1543 Apr 19 j 02:52	3°♄31'21	
direct	1542 May 18 j 20:25	19°♄59'37		morning rise	1543 Apr 25 j 03:32	0°♄31'25	
morning max el	1542 Jun 01 j 01:39	26°♄22'00	23°04'33		1543 Apr 27 j 04:06	30°♄	
	1542 Jun 04 j 13:02	0°♄		direct	1543 Apr 29 j 15:02	29°♄46'14	
asc. node	1542 Jun 20 j 14:50	25°♄44'01			1543 May 02 j 01:48	0°♄	
	1542 Jun 22 j 17:12	0°♄		morning max el	1543 May 13 j 16:31	6°♄51'22	24°45'58
morning set	1542 Jun 23 j 23:28	2°♄37'36			1543 May 30 j 11:41	0°♄	
				asc. node	1543 Jun 07 j 11:52	15°♄31'35	
superior conj	1542 Jul 01 j 01:48	17°♄47'52	1°30'46	morning set	1543 Jun 08 j 11:20	17°♄34'36	
minimum elong	1542 Jun 30 j 23:33	17°♄35'55	1°30'32		1543 Jun 14 j 05:28	0°♄	
max. Earth dist.	1542 Jul 03 j 17:39	23°♄26'08	1.33814 AU	superior conj	1543 Jun 15 j 11:01	2°♄41'02	1°15'16
	1542 Jul 06 j 21:59	0°♄					
evening rise	1542 Jul 08 j 18:01	3°♄40'48					
	1542 Jul 23 j 12:57	0°♄					

minimum elong	1543 Jun 15 j 08:36	2°♄27'51	1°14'55	max. Earth dist.	1544 May 30 j 09:17	18°♄39'15	1.32365 AU
max. Earth dist.	1543 Jun 16 j 22:43	5°♄54'45	1.32893 AU		1544 Jun 04 j 14:58	0°♄	
evening rise	1543 Jun 22 j 16:29	18°♄01'18		evening rise	1544 Jun 05 j 21:37	2°♄41'13	
	1543 Jun 28 j 19:36	0°♄			1544 Jun 20 j 16:27	0°♄	
desc. node	1543 Jul 16 j 02:12	27°♄31'34		desc. node	1544 Jul 01 j 23:11	15°♄37'05	
	1543 Jul 18 j 00:22	0°♄		evening max el	1544 Jul 06 j 16:09	20°♄36'18	26°58'36
evening max el	1543 Jul 25 j 10:56	8°♄14'34	27°24'34	retrograde	1544 Jul 20 j 14:23	27°♄50'43	
retrograde	1543 Aug 08 j 04:52	15°♄32'23		evening set	1544 Jul 27 j 13:53	25°♄41'25	
evening set	1543 Aug 15 j 09:53	12°♄59'02		min. Earth dist.	1544 Jul 31 j 06:24	23°♄00'53	0.60966 AU
min. Earth dist.	1543 Aug 19 j 00:07	9°♄59'03	0.62906 AU	inferior conj	1544 Aug 03 j 11:15	20°♄16'31	-4°28'37
inferior conj	1543 Aug 21 j 19:24	7°♄15'35	-3°45'23	minimum elong	1544 Aug 03 j 15:49	20°♄06'42	4°27'51
minimum elong	1543 Aug 22 j 00:37	7°♄02'54	3°44'00	morning rise	1544 Aug 10 j 19:31	15°♄27'11	
morning rise	1543 Aug 28 j 16:42	2°♄05'28		direct	1544 Aug 13 j 05:48	15°♄03'39	
direct	1543 Aug 31 j 04:04	1°♄37'07		asc. node	1544 Aug 20 j 08:08	18°♄32'32	
asc. node	1543 Sep 03 j 11:06	2°♄28'33		morning max el	1544 Aug 20 j 09:51	18°♄36'40	18°02'06
morning max el	1543 Sep 06 j 20:24	5°♄03'10	17°51'56		1544 Aug 28 j 16:07	0°♄	
	1543 Sep 22 j 22:30	0°♄		morning set	1544 Sep 05 j 06:15	13°♄38'51	
morning set	1543 Sep 23 j 02:58	0°♄19'44			1544 Sep 14 j 04:51	0°♄	
superior conj	1543 Oct 04 j 17:02	20°♄23'55	0°48'29	superior conj	1544 Sep 15 j 06:54	1°♄55'37	1°18'57
minimum elong	1543 Oct 04 j 21:20	20°♄41'55	0°47'55	minimum elong	1544 Sep 15 j 11:17	2°♄14'59	1°18'30
	1543 Oct 10 j 12:43	0°♄		max. Earth dist.	1544 Sep 22 j 21:16	14°♄58'39	1.41949 AU
max. Earth dist.	1543 Oct 11 j 10:34	1°♄28'23	1.43584 AU	desc. node	1544 Sep 27 j 22:32	23°♄14'33	
desc. node	1543 Oct 12 j 01:32	2°♄28'38		evening rise	1544 Sep 28 j 16:34	24°♄26'43	
evening rise	1543 Oct 19 j 22:07	14°♄52'25			1544 Oct 02 j 05:02	0°♄	
	1543 Oct 29 j 21:11	0°♄			1544 Oct 22 j 20:39	0°♄	
evening max el	1543 Nov 18 j 23:20	27°♄01'19	21°11'37	evening max el	1544 Oct 31 j 17:16	10°♄32'40	22°27'56
	1543 Nov 22 j 07:18	0°♄		retrograde	1544 Nov 10 j 09:57	16°♄18'24	
retrograde	1543 Nov 27 j 14:19	2°♄08'35		evening set	1544 Nov 15 j 00:05	14°♄27'09	
asc. node	1543 Nov 30 j 10:19	1°♄23'49		asc. node	1544 Nov 16 j 07:22	13°♄14'19	
evening set	1543 Dec 01 j 16:35	0°♄34'06		inferior conj	1544 Nov 20 j 08:34	8°♄06'54	1°21'20
	1543 Dec 02 j 08:51	30°♄♄		minimum elong	1544 Nov 20 j 06:48	8°♄13'00	1°20'38
inferior conj	1543 Dec 07 j 01:18	24°♄20'32	2°07'19	min. Earth dist.	1544 Nov 20 j 05:54	8°♄16'07	0.67790 AU
minimum elong	1543 Dec 06 j 22:52	24°♄28'55	2°06'28	morning rise	1544 Nov 25 j 13:22	1°♄56'04	
min. Earth dist.	1543 Dec 07 j 09:42	23°♄51'36	0.67550 AU	direct	1544 Nov 30 j 03:59	0°♄01'59	
morning rise	1543 Dec 12 j 04:58	18°♄07'26		morning max el	1544 Dec 09 j 11:40	5°♄31'32	22°09'16
direct	1543 Dec 17 j 10:31	15°♄50'47		desc. node	1544 Dec 24 j 21:46	25°♄13'59	
morning max el	1543 Dec 28 j 00:09	22°♄08'40	23°36'38		1544 Dec 28 j 04:30	0°♄	
	1544 Jan 03 j 20:17	0°♄		morning set	1545 Jan 11 j 13:59	22°♄12'21	
desc. node	1544 Jan 08 j 00:44	5°♄28'29			1545 Jan 16 j 07:54	0°♄	
	1544 Jan 24 j 15:10	0°♄		max. Earth dist.	1545 Jan 17 j 04:12	1°♄24'57	1.41016 AU
morning set	1544 Feb 01 j 07:27	12°♄36'42		superior conj	1545 Jan 24 j 23:03	14°♄52'34	-2°02'22
max. Earth dist.	1544 Feb 05 j 06:58	19°♄29'17	1.38882 AU	minimum elong	1545 Jan 25 j 01:02	15°♄01'23	2°02'19
	1544 Feb 11 j 02:45	0°♄			1545 Feb 02 j 05:50	0°♄	
superior conj	1544 Feb 12 j 18:04	3°♄03'12	-1°49'26	evening rise	1545 Feb 04 j 07:26	3°♄51'10	
minimum elong	1544 Feb 12 j 22:02	3°♄21'51	1°49'05	asc. node	1545 Feb 12 j 06:39	18°♄17'37	
evening rise	1544 Feb 21 j 22:33	20°♄44'21		evening max el	1545 Feb 20 j 14:05	29°♄50'23	18°16'12
asc. node	1544 Feb 26 j 09:37	29°♄16'36			1545 Feb 20 j 18:04	0°♄	
	1544 Feb 26 j 18:57	0°♄		retrograde	1545 Feb 27 j 15:54	3°♄22'15	
evening max el	1544 Mar 09 j 06:55	17°♄06'25	18°44'41	evening set	1545 Mar 02 j 04:35	2°♄56'10	
retrograde	1544 Mar 17 j 08:27	21°♄01'54			1545 Mar 07 j 03:04	30°♄♄	
evening set	1544 Mar 19 j 15:15	20°♄44'13		inferior conj	1545 Mar 09 j 05:48	28°♄13'41	3°13'26
inferior conj	1544 Mar 27 j 10:17	16°♄22'41	2°16'15	minimum elong	1545 Mar 09 j 09:03	28°♄06'39	3°12'51
minimum elong	1544 Mar 27 j 14:22	16°♄15'07	2°15'06	min. Earth dist.	1545 Mar 12 j 15:38	25°♄17'42	0.59559 AU
min. Earth dist.	1544 Mar 30 j 18:04	13°♄55'43	0.57506 AU	morning rise	1545 Mar 16 j 11:09	22°♄35'00	
morning rise	1544 Apr 04 j 10:21	11°♄09'27		direct	1545 Mar 22 j 21:24	20°♄42'02	
desc. node	1544 Apr 04 j 23:53	10°♄55'02		desc. node	1545 Mar 22 j 20:55	20°♄42'02	
direct	1544 Apr 09 j 23:51	9°♄53'21		morning max el	1545 Apr 06 j 05:07	28°♄28'33	27°19'32
morning max el	1544 Apr 24 j 08:13	17°♄25'33	26°15'47		1545 Apr 07 j 17:03	0°♄	
	1544 May 04 j 17:29	0°♄			1545 Apr 28 j 10:45	0°♄	
	1544 May 21 j 17:56	0°♄		morning set	1545 May 07 j 07:04	17°♄13'45	
morning set	1544 May 22 j 22:27	2°♄28'56		asc. node	1545 May 11 j 05:55	25°♄38'51	
asc. node	1544 May 24 j 08:54	5°♄31'47			1545 May 13 j 05:46	0°♄	
superior conj	1544 May 29 j 22:24	17°♄39'25	0°55'47	superior conj	1545 May 14 j 10:07	2°♄35'40	0°33'02
minimum elong	1544 May 29 j 20:16	17°♄27'43	0°55'24	minimum elong	1545 May 14 j 08:42	2°♄27'53	0°32'44

max. Earth dist.	1545 May 13 j 21:45	1° $\Pi$ 27'41	1.32218 AU	superior conj	1546 Apr 28 j 20:31	17° $\mathcal{B}$ 24'17	0°07'44
evening rise	1545 May 21 j 06:57	17° $\Pi$ 31'09		minimum elong	1546 Apr 28 j 20:09	17° $\mathcal{B}$ 22'19	0°07'39
	1545 May 27 j 11:28	0° $\mathcal{E}$		behind sun begin	1546 Apr 28 j 15:39	16° $\mathcal{B}$ 57'43	
	1545 Jun 16 j 10:29	0° $\Omega$		behind sun end	1546 Apr 29 j 00:40	17° $\mathcal{B}$ 46'56	
evening max el	1545 Jun 18 j 14:38	2° $\Omega$ 11'37	26°00'17		1546 May 04 j 15:25	0° $\Pi$	
desc. node	1545 Jun 18 j 20:11	2° $\Omega$ 24'48		evening rise	1546 May 05 j 18:26	2° $\Pi$ 24'13	
retrograde	1545 Jul 02 j 14:53	9° $\Omega$ 22'01			1546 May 20 j 18:09	0° $\mathcal{E}$	
evening set	1545 Jul 08 j 20:36	7° $\Omega$ 48'05		evening max el	1546 May 31 j 06:27	13° $\mathcal{E}$ 03'33	24°36'38
min. Earth dist.	1545 Jul 13 j 03:11	5° $\Omega$ 10'36	0.58907 AU	desc. node	1546 Jun 05 j 17:13	17° $\mathcal{E}$ 23'55	
inferior conj	1545 Jul 16 j 10:13	2° $\Omega$ 44'01	-4°53'23	retrograde	1546 Jun 14 j 04:32	20° $\mathcal{E}$ 06'13	
minimum elong	1545 Jul 16 j 11:52	2° $\Omega$ 40'55	4°53'18	evening set	1546 Jun 19 j 03:46	19° $\mathcal{E}$ 10'36	
	1545 Jul 20 j 09:20	30° $\mathcal{R}\mathcal{E}$		min. Earth dist.	1546 Jun 24 j 17:34	16° $\mathcal{E}$ 18'22	0.56990 AU
morning rise	1545 Jul 24 j 05:21	28° $\mathcal{E}$ 17'26		inferior conj	1546 Jun 27 j 13:23	14° $\mathcal{E}$ 29'02	-4°46'52
direct	1545 Jul 26 j 17:10	27° $\mathcal{E}$ 56'41		minimum elong	1546 Jun 27 j 10:00	14° $\mathcal{E}$ 34'31	4°46'34
	1545 Aug 01 j 14:07	0° $\Omega$		morning rise	1546 Jul 05 j 18:58	10° $\mathcal{E}$ 23'42	
morning max el	1545 Aug 03 j 17:36	1° $\Omega$ 46'34	18°32'25	direct	1546 Jul 08 j 10:00	10° $\mathcal{E}$ 04'36	
asc. node	1545 Aug 07 j 05:10	5° $\Omega$ 44'04		morning max el	1546 Jul 17 j 16:41	14° $\mathcal{E}$ 23'42	19°23'54
morning set	1545 Aug 19 j 21:57	27° $\Omega$ 33'59		asc. node	1546 Jul 25 j 02:13	23° $\mathcal{E}$ 48'34	
	1545 Aug 21 j 04:09	0° $\mathcal{M}$			1546 Jul 28 j 17:34	0° $\Omega$	
				morning set	1546 Aug 03 j 22:15	11° $\Omega$ 54'43	
superior conj	1545 Aug 28 j 19:17	14° $\mathcal{M}$ 34'06	1°37'22				
minimum elong	1545 Aug 28 j 22:02	14° $\mathcal{M}$ 46'54	1°37'11	superior conj	1546 Aug 12 j 00:33	28° $\Omega$ 03'26	1°45'22
max. Earth dist.	1545 Sep 05 j 03:17	27° $\mathcal{M}$ 48'00	1.39983 AU	minimum elong	1546 Aug 12 j 01:21	28° $\Omega$ 07'19	1°45'20
	1545 Sep 06 j 09:45	0° $\mathcal{A}$			1546 Aug 13 j 00:30	0° $\mathcal{M}$	
evening rise	1545 Sep 09 j 08:57	5° $\mathcal{A}$ 02'12		max. Earth dist.	1546 Aug 18 j 07:03	9° $\mathcal{M}$ 58'06	1.37940 AU
desc. node	1545 Sep 14 j 19:33	13° $\mathcal{A}$ 55'24		evening rise	1546 Aug 22 j 01:28	16° $\mathcal{M}$ 45'23	
	1545 Sep 25 j 09:11	0° $\mathcal{M}$			1546 Aug 29 j 21:34	0° $\mathcal{A}$	
evening max el	1545 Oct 14 j 07:15	24° $\mathcal{M}$ 07'13	23°47'57	desc. node	1546 Sep 01 j 16:34	4° $\mathcal{A}$ 26'51	
	1545 Oct 22 j 11:02	0° $\mathcal{A}$			1546 Sep 19 j 20:14	0° $\mathcal{M}$	
retrograde	1545 Oct 25 j 02:26	0° $\mathcal{A}$ 28'54		evening max el	1546 Sep 26 j 19:14	7° $\mathcal{M}$ 44'49	25°05'03
	1545 Oct 27 j 14:04	30° $\mathcal{R}\mathcal{M}$		retrograde	1546 Oct 08 j 14:50	14° $\mathcal{M}$ 35'37	
evening set	1545 Oct 30 j 06:03	28° $\mathcal{M}$ 20'17		evening set	1546 Oct 14 j 08:47	12° $\mathcal{M}$ 10'40	
asc. node	1545 Nov 03 j 04:24	23° $\mathcal{M}$ 56'03		min. Earth dist.	1546 Oct 18 j 20:54	7° $\mathcal{M}$ 06'57	0.67265 AU
min. Earth dist.	1545 Nov 04 j 02:25	22° $\mathcal{M}$ 42'07	0.67693 AU	inferior conj	1546 Oct 19 j 20:49	5° $\mathcal{M}$ 48'35	-0°24'42
inferior conj	1545 Nov 04 j 15:39	21° $\mathcal{M}$ 57'05	0°30'14	minimum elong	1546 Oct 19 j 21:26	5° $\mathcal{M}$ 46'33	0°24'26
minimum elong	1545 Nov 04 j 14:56	21° $\mathcal{M}$ 59'32	0°29'56	asc. node	1546 Oct 21 j 01:27	4° $\mathcal{M}$ 15'55	
morning rise	1545 Nov 09 j 23:47	15° $\mathcal{M}$ 50'47		morning rise	1546 Oct 25 j 10:15	29° $\mathcal{A}$ 49'10	
direct	1545 Nov 14 j 00:28	14° $\mathcal{M}$ 19'13			1546 Oct 25 j 04:04	30° $\mathcal{R}\mathcal{A}$	
morning max el	1545 Nov 22 j 05:43	19° $\mathcal{M}$ 04'50	20°49'27	direct	1546 Oct 28 j 22:38	28° $\mathcal{A}$ 37'51	
	1545 Dec 01 j 03:30	0° $\mathcal{A}$			1546 Nov 01 j 23:00	0° $\mathcal{M}$	
desc. node	1545 Dec 11 j 18:49	15° $\mathcal{A}$ 22'13		morning max el	1546 Nov 05 j 07:37	2° $\mathcal{M}$ 49'03	19°41'56
	1545 Dec 21 j 08:51	0° $\mathcal{B}$		greatest brilliancy	1546 Nov 18 j 16:17	20° $\mathcal{M}$ 34'59	-0.7m
morning set	1545 Dec 21 j 18:27	0° $\mathcal{B}$ 37'25			1546 Nov 24 j 21:37	0° $\mathcal{A}$	
max. Earth dist.	1545 Dec 30 j 09:05	14° $\mathcal{B}$ 18'41	1.42903 AU	desc. node	1546 Nov 28 j 15:50	5° $\mathcal{A}$ 46'20	
				morning set	1546 Nov 30 j 15:00	8° $\mathcal{A}$ 48'19	
superior conj	1546 Jan 06 j 04:35	25° $\mathcal{B}$ 34'55	-2°02'28	max. Earth dist.	1546 Dec 12 j 21:03	27° $\mathcal{A}$ 58'29	1.44297 AU
minimum elong	1546 Jan 06 j 02:07	25° $\mathcal{B}$ 24'31	2°02'25		1546 Dec 14 j 03:36	0° $\mathcal{B}$	
	1546 Jan 08 j 19:00	0° $\mathcal{A}$					
evening rise	1546 Jan 18 j 01:29	16° $\mathcal{A}$ 14'03		superior conj	1546 Dec 17 j 07:30	5° $\mathcal{B}$ 04'10	-1°45'06
	1546 Jan 25 j 21:46	0° $\mathcal{H}$		minimum elong	1546 Dec 16 j 23:57	4° $\mathcal{B}$ 33'45	1°44'30
asc. node	1546 Jan 30 j 03:42	6° $\mathcal{H}$ 45'52		evening rise	1546 Dec 31 j 00:18	27° $\mathcal{B}$ 43'57	
evening max el	1546 Feb 04 j 01:27	12° $\mathcal{H}$ 55'20	18°07'25		1547 Jan 01 j 08:27	0° $\mathcal{A}$	
retrograde	1546 Feb 10 j 15:09	16° $\mathcal{H}$ 19'21		asc. node	1547 Jan 17 j 00:45	24° $\mathcal{A}$ 30'34	
evening set	1546 Feb 13 j 08:56	15° $\mathcal{H}$ 43'33		evening max el	1547 Jan 18 j 13:59	26° $\mathcal{A}$ 12'37	18°17'44
inferior conj	1546 Feb 19 j 19:59	10° $\mathcal{H}$ 40'04	3°40'21	retrograde	1547 Jan 25 j 01:22	29° $\mathcal{A}$ 42'03	
minimum elong	1546 Feb 19 j 21:14	10° $\mathcal{H}$ 36'58	3°40'16	evening set	1547 Jan 28 j 00:07	28° $\mathcal{A}$ 55'41	
min. Earth dist.	1546 Feb 22 j 20:40	7° $\mathcal{H}$ 39'57	0.61684 AU	inferior conj	1547 Feb 03 j 00:43	23° $\mathcal{A}$ 32'44	3°44'13
morning rise	1546 Feb 26 j 08:07	4° $\mathcal{H}$ 45'00		minimum elong	1547 Feb 03 j 00:04	23° $\mathcal{A}$ 34'32	3°44'13
direct	1546 Mar 05 j 05:16	2° $\mathcal{H}$ 19'32		min. Earth dist.	1547 Feb 05 j 11:07	20° $\mathcal{A}$ 49'51	0.63626 AU
desc. node	1546 Mar 09 j 17:58	3° $\mathcal{H}$ 16'17		morning rise	1547 Feb 08 j 23:15	17° $\mathcal{A}$ 28'08	
morning max el	1546 Mar 19 j 08:29	10° $\mathcal{H}$ 13'19	27°48'02	direct	1547 Feb 15 j 21:38	14° $\mathcal{A}$ 42'01	
	1546 Apr 03 j 18:08	0° $\mathcal{Y}$		desc. node	1547 Feb 24 j 15:01	18° $\mathcal{A}$ 11'26	
	1546 Apr 20 j 15:03	0° $\mathcal{B}$		morning max el	1547 Mar 01 j 16:27	22° $\mathcal{A}$ 36'24	27°39'22
morning set	1546 Apr 21 j 11:18	1° $\mathcal{B}$ 42'53			1547 Mar 08 j 05:30	0° $\mathcal{H}$	
max. Earth dist.	1546 Apr 27 j 08:14	14° $\mathcal{B}$ 07'01	1.32455 AU		1547 Mar 27 j 23:11	0° $\mathcal{Y}$	
asc. node	1546 Apr 28 j 02:58	15° $\mathcal{B}$ 48'42		morning set	1547 Apr 05 j 08:42	15° $\mathcal{Y}$ 47'58	
				max. Earth dist.	1547 Apr 10 j 12:32	26° $\mathcal{Y}$ 22'47	1.33093 AU

	1547 Apr 12 j 05:32	0°♄			1548 Mar 19 j 04:36	0°♅	
				max. Earth dist.	1548 Mar 23 j 06:52	8°♅05'08	1.34177 AU
superior conj	1547 Apr 13 j 03:47	1°♄58'57	-0°19'20		1548 Mar 27 j 05:52	16°♅13'21	-0°47'05
minimum elong	1547 Apr 13 j 04:44	2°♄04'02	0°19'08	superior conj	1548 Mar 27 j 08:13	16°♅25'38	0°46'37
asc. node	1547 Apr 15 j 00:02	5°♄56'56		minimum elong	1548 Mar 31 j 21:05	25°♅59'20	
evening rise	1547 Apr 20 j 06:11	17°♄13'26		asc. node	1548 Apr 02 j 18:46	0°♄	
	1547 Apr 26 j 14:29	0°♄		evening rise	1548 Apr 03 j 16:18	1°♄52'38	
evening max el	1547 May 12 j 20:30	23°♄34'01	23°01'17		1548 Apr 19 j 20:38	0°♄	
desc. node	1547 May 23 j 14:13	29°♄58'32		evening max el	1548 Apr 23 j 16:22	4°♄14'42	21°29'00
	1547 May 23 j 17:11	0°♄		retrograde	1548 May 05 j 21:06	10°♄12'23	
retrograde	1547 May 26 j 06:05	0°♄14'41		evening set	1548 May 08 j 06:39	9°♄59'19	
	1547 May 28 j 19:52	30°♄		desc. node	1548 May 09 j 11:15	9°♄43'34	
evening set	1547 May 29 j 17:32	29°♄48'08		inferior conj	1548 May 17 j 16:26	5°♄58'50	-2°19'52
min. Earth dist.	1547 Jun 06 j 05:40	26°♄27'13	0.55556 AU	minimum elong	1548 May 17 j 10:07	6°♄07'42	2°17'45
inferior conj	1547 Jun 07 j 21:09	25°♄29'54	-3°56'05	min. Earth dist.	1548 May 17 j 18:00	5°♄56'39	0.54930 AU
minimum elong	1547 Jun 07 j 13:41	25°♄40'47	3°54'23	morning rise	1548 May 26 j 14:13	2°♄01'17	
morning rise	1547 Jun 16 j 12:21	21°♄36'54		direct	1548 May 29 j 18:41	1°♄39'08	
direct	1547 Jun 19 j 07:52	21°♄18'09		morning max el	1548 Jun 11 j 06:01	7°♄33'15	22°06'59
morning max el	1547 Jun 30 j 04:57	26°♄20'23	20°36'25		1548 Jun 26 j 21:25	0°♄	
	1547 Jul 03 j 15:21	0°♄		asc. node	1548 Jun 27 j 20:19	1°♄49'23	
asc. node	1547 Jul 11 j 23:16	12°♄33'49		morning set	1548 Jul 02 j 14:13	11°♄23'44	
morning set	1547 Jul 19 j 04:26	26°♄33'37					
	1547 Jul 20 j 20:31	0°♄		superior conj	1548 Jul 09 j 19:32	26°♄40'35	1°37'33
superior conj	1547 Jul 26 j 17:55	12°♄09'37	1°44'52	minimum elong	1548 Jul 09 j 17:39	26°♄30'40	1°37'24
minimum elong	1547 Jul 26 j 17:05	12°♄05'26	1°44'50		1548 Jul 11 j 09:37	0°♄	
max. Earth dist.	1547 Jul 31 j 14:00	21°♄48'30	1.36065 AU	max. Earth dist.	1548 Jul 13 j 05:16	3°♄45'20	1.34525 AU
evening rise	1547 Aug 04 j 14:53	29°♄28'58		evening rise	1548 Jul 17 j 20:23	12°♄59'35	
	1547 Aug 04 j 21:35	0°♄			1548 Jul 27 j 04:52	0°♄	
desc. node	1547 Aug 19 j 13:36	24°♄43'46		desc. node	1548 Aug 05 j 10:36	14°♄38'34	
	1547 Aug 23 j 02:17	0°♄			1548 Aug 17 j 02:44	0°♄	
evening max el	1547 Sep 09 j 07:06	21°♄23'53	26°11'53	evening max el	1548 Aug 21 j 19:21	4°♄56'46	27°00'48
retrograde	1547 Sep 21 j 22:33	28°♄33'23		retrograde	1548 Sep 04 j 00:48	12°♄14'12	
evening set	1547 Sep 28 j 06:26	25°♄55'43		evening set	1548 Sep 10 j 20:42	9°♄30'20	
min. Earth dist.	1547 Oct 02 j 11:02	21°♄27'56	0.66499 AU	min. Earth dist.	1548 Sep 14 j 18:27	5°♄39'00	0.65382 AU
inferior conj	1547 Oct 03 j 22:14	19°♄39'04	-1°21'59	inferior conj	1548 Sep 16 j 17:47	3°♄23'35	-2°19'50
minimum elong	1547 Oct 04 j 00:23	19°♄32'25	1°21'05	minimum elong	1548 Sep 16 j 21:28	3°♄13'02	2°18'27
asc. node	1547 Oct 07 j 22:29	15°♄11'38			1548 Sep 19 j 22:00	30°♄	
morning rise	1547 Oct 09 j 18:45	13°♄49'13		morning rise	1548 Sep 22 j 22:58	27°♄46'19	
direct	1547 Oct 12 j 21:00	12°♄54'36		asc. node	1548 Sep 23 j 19:32	27°♄24'34	
morning max el	1547 Oct 19 j 16:35	16°♄41'45	18°49'28	direct	1548 Sep 25 j 17:27	27°♄04'33	
	1547 Oct 29 j 16:53	0°♄			1548 Oct 01 j 15:06	0°♄	
morning set	1547 Nov 10 j 04:28	17°♄56'07		morning max el	1548 Oct 02 j 06:22	0°♄36'55	18°13'22
desc. node	1547 Nov 15 j 12:55	26°♄22'03		morning set	1548 Oct 20 j 22:35	28°♄30'12	
	1547 Nov 17 j 20:22	0°♄			1548 Oct 21 j 20:30	0°♄	
max. Earth dist.	1547 Nov 25 j 13:51	12°♄08'07	1.45034 AU	desc. node	1548 Nov 01 j 09:57	17°♄04'48	
superior conj	1547 Nov 26 j 13:24	13°♄40'45	-1°09'10	superior conj	1548 Nov 04 j 15:58	22°♄14'33	-0°21'36
minimum elong	1547 Nov 26 j 05:17	13°♄08'48	1°08'14	minimum elong	1548 Nov 04 j 13:10	22°♄03'31	0°21'14
	1547 Dec 06 j 20:43	0°♄		max. Earth dist.	1548 Nov 07 j 08:46	26°♄30'11	1.45034 AU
evening rise	1547 Dec 12 j 00:23	8°♄16'29			1548 Nov 09 j 14:11	0°♄	
	1547 Dec 25 j 16:15	0°♄		evening rise	1548 Nov 21 j 01:36	17°♄54'47	
evening max el	1548 Jan 02 j 01:11	9°♄37'33	18°46'14		1548 Nov 28 j 20:22	0°♄	
asc. node	1548 Jan 03 j 21:48	11°♄19'45		greatest brilliancy	1548 Dec 03 j 03:01	6°♄33'22	-0.7m
retrograde	1548 Jan 08 j 18:26	13°♄23'23		evening max el	1548 Dec 15 j 08:55	23°♄06'22	19°31'35
evening set	1548 Jan 11 j 22:56	12°♄25'24		asc. node	1548 Dec 20 j 18:48	26°♄59'13	
inferior conj	1548 Jan 17 j 16:11	6°♄44'58	3°31'15	retrograde	1548 Dec 22 j 15:08	27°♄18'01	
minimum elong	1548 Jan 17 j 14:14	6°♄50'54	3°30'59	evening set	1548 Dec 26 j 02:45	26°♄06'59	
min. Earth dist.	1548 Jan 19 j 11:08	4°♄33'41	0.65237 AU	inferior conj	1548 Dec 31 j 15:09	20°♄11'25	3°05'50
morning rise	1548 Jan 23 j 05:09	0°♄35'11		minimum elong	1548 Dec 31 j 12:34	20°♄19'48	3°05'13
	1548 Jan 23 j 22:13	30°♄		min. Earth dist.	1549 Jan 01 j 19:27	18°♄39'02	0.66449 AU
direct	1548 Jan 29 j 21:11	27°♄43'03		morning rise	1549 Jan 05 j 22:10	13°♄59'03	
	1548 Feb 05 j 13:13	0°♄		direct	1549 Jan 12 j 02:43	11°♄14'07	
desc. node	1548 Feb 11 j 12:05	4°♄52'30		morning max el	1549 Jan 24 j 11:22	18°♄34'34	25°50'13
morning max el	1548 Feb 12 j 02:10	5°♄27'26	26°57'27	desc. node	1549 Jan 28 j 09:09	22°♄49'37	
	1548 Mar 01 j 21:07	0°♄			1549 Feb 03 j 03:30	0°♄	
morning set	1548 Mar 18 j 20:07	29°♄19'12			1549 Feb 22 j 21:48	0°♄	



morning set	1549 Mar 01 j 17:22	12° $\text{X}$ 04'10			1550 Feb 15 j 06:41	0° $\text{X}$	
max. Earth dist.	1549 Mar 05 j 13:26	19° $\text{X}$ 16'36	1.35726 AU	max. Earth dist.	1550 Feb 15 j 11:00	0° $\text{X}$ 19'36	1.37667 AU
superior conj	1549 Mar 11 j 00:13	0° $\text{Y}$ 00'19	-1°14'01	superior conj	1550 Feb 22 j 07:30	13° $\text{X}$ 10'00	-1°38'03
minimum elong	1549 Mar 11 j 03:49	0° $\text{Y}$ 18'26	1°13'25	minimum elong	1550 Feb 22 j 11:42	13° $\text{X}$ 30'16	1°37'33
	1549 Mar 11 j 00:09	0° $\text{Y}$		evening rise	1550 Mar 02 j 23:20	0° $\text{Y}$ 15'10	
evening rise	1549 Mar 18 j 22:50	16° $\text{Y}$ 15'43			1550 Mar 02 j 20:16	0° $\text{Y}$	
asc. node	1549 Mar 18 j 18:08	15° $\text{Y}$ 51'43		asc. node	1550 Mar 05 j 15:09	5° $\text{Y}$ 28'41	
	1549 Mar 26 j 00:24	0° $\text{Z}$		evening max el	1550 Mar 19 j 17:02	27° $\text{Y}$ 20'19	19°10'03
evening max el	1549 Apr 05 j 23:04	15° $\text{Z}$ 28'16	20°10'14		1550 Mar 23 j 02:27	0° $\text{Z}$	
retrograde	1549 Apr 16 j 11:06	20° $\text{Z}$ 32'35		retrograde	1550 Mar 28 j 13:24	1° $\text{Z}$ 37'11	
evening set	1549 Apr 18 j 12:13	20° $\text{Z}$ 21'52		evening set	1550 Mar 30 j 17:00	1° $\text{Z}$ 23'05	
desc. node	1549 Apr 26 j 08:17	17° $\text{Z}$ 05'03			1550 Apr 03 j 10:06	30° $\text{R}$ $\text{Y}$	
inferior conj	1549 Apr 27 j 12:41	16° $\text{Z}$ 23'13	-0°20'37	inferior conj	1550 Apr 07 j 23:14	27° $\text{Y}$ 11'42	1°27'43
minimum elong	1549 Apr 27 j 11:43	16° $\text{Z}$ 24'38	0°20'16	minimum elong	1550 Apr 08 j 02:30	27° $\text{Y}$ 06'08	1°26'39
min. Earth dist.	1549 Apr 29 j 07:17	15° $\text{Z}$ 20'01	0.55270 AU	min. Earth dist.	1550 Apr 10 j 22:17	25° $\text{Y}$ 11'46	0.56498 AU
morning rise	1549 May 06 j 09:31	12° $\text{Z}$ 02'44		desc. node	1550 Apr 13 j 05:20	23° $\text{Y}$ 47'22	
direct	1549 May 10 j 07:34	11° $\text{Z}$ 29'17		morning rise	1550 Apr 16 j 09:02	22° $\text{Y}$ 17'24	
morning max el	1549 May 23 j 22:50	18° $\text{Z}$ 11'28	23°48'04	direct	1550 Apr 21 j 07:41	21° $\text{Y}$ 20'38	
	1549 Jun 02 j 15:27	0° $\text{II}$		morning max el	1550 May 05 j 13:15	28° $\text{Y}$ 38'14	25°26'39
asc. node	1549 Jun 14 j 17:23	21° $\text{II}$ 27'18			1550 May 06 j 22:03	0° $\text{Z}$	
morning set	1549 Jun 17 j 01:48	26° $\text{II}$ 19'47			1550 May 26 j 23:52	0° $\text{II}$	
	1549 Jun 18 j 19:16	0° $\text{S}$		morning set	1550 Jun 01 j 13:33	11° $\text{II}$ 15'47	
				asc. node	1550 Jun 01 j 14:25	11° $\text{II}$ 20'25	
superior conj	1549 Jun 24 j 02:39	11° $\text{S}$ 27'37	1°24'44	superior conj	1550 Jun 08 j 12:59	26° $\text{II}$ 22'56	1°07'27
minimum elong	1549 Jun 24 j 00:16	11° $\text{S}$ 14'47	1°24'27	minimum elong	1550 Jun 08 j 10:38	26° $\text{II}$ 10'03	1°07'04
max. Earth dist.	1549 Jun 26 j 05:59	16° $\text{S}$ 02'50	1.33378 AU	max. Earth dist.	1550 Jun 09 j 13:58	28° $\text{II}$ 39'26	1.32622 AU
evening rise	1549 Jul 01 j 13:42	27° $\text{S}$ 05'00			1550 Jun 10 j 04:45	0° $\text{S}$	
	1549 Jul 03 j 00:53	0° $\text{O}$		evening rise	1550 Jun 15 j 15:18	11° $\text{S}$ 34'04	
	1549 Jul 20 j 11:50	0° $\text{P}$			1550 Jun 25 j 05:56	0° $\text{O}$	
desc. node	1549 Jul 23 j 07:35	4° $\text{P}$ 01'50		desc. node	1550 Jul 10 j 04:36	22° $\text{O}$ 40'30	
evening max el	1549 Aug 04 j 06:46	18° $\text{P}$ 12'07	27°24'33		1550 Jul 16 j 15:48	0° $\text{P}$	
retrograde	1549 Aug 17 j 20:57	25° $\text{P}$ 30'01		evening max el	1550 Jul 17 j 14:55	0° $\text{P}$ 56'09	27°17'36
evening set	1549 Aug 25 j 00:41	22° $\text{P}$ 49'30		retrograde	1550 Jul 31 j 10:29	8° $\text{P}$ 11'59	
min. Earth dist.	1549 Aug 28 j 16:53	19° $\text{P}$ 32'33	0.63914 AU	evening set	1550 Aug 07 j 14:44	5° $\text{P}$ 47'05	
inferior conj	1549 Aug 31 j 04:59	16° $\text{P}$ 56'46	-3°15'40	min. Earth dist.	1550 Aug 11 j 04:52	2° $\text{P}$ 57'22	0.62113 AU
minimum elong	1549 Aug 31 j 09:52	16° $\text{P}$ 44'04	3°14'08	inferior conj	1550 Aug 14 j 04:52	0° $\text{P}$ 11'35	-4°05'21
morning rise	1549 Sep 06 j 20:07	11° $\text{P}$ 35'35		minimum elong	1550 Aug 14 j 10:02	29° $\text{O}$ 59'39	4°04'09
direct	1549 Sep 09 j 09:26	11° $\text{P}$ 03'06			1550 Aug 14 j 09:52	30° $\text{R}$ $\text{O}$	
asc. node	1549 Sep 10 j 16:35	11° $\text{P}$ 11'37		morning rise	1550 Aug 21 j 06:48	25° $\text{O}$ 10'02	
morning max el	1549 Sep 15 j 22:20	14° $\text{P}$ 28'52	17°54'32	direct	1550 Aug 23 j 17:31	24° $\text{O}$ 43'54	
	1549 Sep 26 j 18:05	0° $\text{A}$		asc. node	1550 Aug 28 j 13:38	26° $\text{O}$ 29'14	
morning set	1549 Oct 02 j 19:39	10° $\text{A}$ 22'30		morning max el	1550 Aug 30 j 13:38	28° $\text{O}$ 11'25	17°53'55
	1549 Oct 14 j 10:55	0° $\text{M}$			1550 Sep 01 j 05:50	0° $\text{P}$	
superior conj	1549 Oct 15 j 11:43	1° $\text{M}$ 41'38	0°25'26	morning set	1550 Sep 15 j 13:38	23° $\text{P}$ 14'53	
minimum elong	1549 Oct 15 j 14:27	1° $\text{M}$ 52'48	0°25'04		1550 Sep 19 j 07:41	0° $\text{A}$	
desc. node	1549 Oct 19 j 06:56	7° $\text{M}$ 51'05		superior conj	1550 Sep 26 j 10:28	12° $\text{A}$ 29'04	1°02'56
max. Earth dist.	1549 Oct 21 j 02:50	10° $\text{M}$ 46'41	1.44307 AU	minimum elong	1550 Sep 26 j 15:08	12° $\text{A}$ 49'03	1°02'22
evening rise	1549 Oct 31 j 11:33	26° $\text{M}$ 59'35		max. Earth dist.	1550 Oct 03 j 17:05	24° $\text{A}$ 39'38	1.42947 AU
	1549 Nov 02 j 10:33	0° $\text{J}$		desc. node	1550 Oct 06 j 03:56	28° $\text{A}$ 38'07	
	1549 Nov 22 j 22:22	0° $\text{B}$			1550 Oct 07 j 00:20	0° $\text{M}$	
evening max el	1549 Nov 28 j 11:33	6° $\text{B}$ 36'02	20°31'38	evening rise	1550 Oct 10 j 22:04	6° $\text{M}$ 10'51	
retrograde	1549 Dec 06 j 12:57	11° $\text{B}$ 21'12			1550 Oct 26 j 18:29	0° $\text{J}$	
asc. node	1549 Dec 07 j 15:50	11° $\text{B}$ 14'09		evening max el	1550 Nov 11 j 08:28	20° $\text{J}$ 06'23	21°43'10
evening set	1549 Dec 10 j 09:25	9° $\text{B}$ 55'32		retrograde	1550 Nov 20 j 09:57	25° $\text{J}$ 29'58	
inferior conj	1549 Dec 15 j 18:59	3° $\text{B}$ 47'34	2°30'53	evening set	1550 Nov 24 j 17:08	23° $\text{J}$ 48'15	
minimum elong	1549 Dec 15 j 16:21	3° $\text{B}$ 56'30	2°30'04	asc. node	1550 Nov 24 j 12:53	23° $\text{J}$ 56'35	
min. Earth dist.	1549 Dec 16 j 10:09	2° $\text{B}$ 55'58	0.67261 AU	inferior conj	1550 Nov 30 j 01:34	17° $\text{J}$ 31'12	1°48'30
	1549 Dec 18 j 16:21	30° $\text{R}$ $\text{J}$		minimum elong	1550 Nov 29 j 23:22	17° $\text{J}$ 38'49	1°47'42
morning rise	1549 Dec 20 j 23:07	27° $\text{J}$ 34'25		min. Earth dist.	1550 Nov 30 j 05:03	17° $\text{J}$ 19'07	0.67697 AU
direct	1549 Dec 26 j 13:21	25° $\text{J}$ 06'01		morning rise	1550 Dec 05 j 05:27	11° $\text{J}$ 18'58	
	1550 Jan 04 j 22:18	0° $\text{B}$		direct	1550 Dec 10 j 04:30	9° $\text{J}$ 12'02	
morning max el	1550 Jan 06 j 19:43	1° $\text{B}$ 49'03	24°27'22	morning max el	1550 Dec 20 j 05:19	15° $\text{J}$ 09'14	22°59'00
desc. node	1550 Jan 15 j 06:11	11° $\text{B}$ 40'05			1551 Jan 01 j 07:19	0° $\text{B}$	
	1550 Jan 28 j 05:07	0° $\text{A}$		desc. node	1551 Jan 02 j 03:12	1° $\text{B}$ 08'46	
morning set	1550 Feb 11 j 18:47	23° $\text{A}$ 46'38					

	1551 Jan 21 j 05:03	0°♊		morning set	1552 Jan 03 j 12:35	13°♊13'13	
morning set	1551 Jan 23 j 18:15	4°♊11'31		max. Earth dist.	1552 Jan 10 j 06:07	24°♊06'56	1.41865 AU
max. Earth dist.	1551 Jan 28 j 06:24	11°♊48'41	1.39806 AU		1552 Jan 13 j 18:36	0°♊	
superior conj	1551 Feb 04 j 23:32	25°♊32'03	-1°56'10	superior conj	1552 Jan 17 j 19:06	6°♊53'41	-2°04'17
minimum elong	1551 Feb 05 j 02:57	25°♊47'45	1°55'58	minimum elong	1552 Jan 17 j 19:28	6°♊55'19	2°04'17
	1551 Feb 07 j 09:25	0°♋		evening rise	1552 Jan 28 j 18:01	26°♊32'41	
evening rise	1551 Feb 14 j 14:56	13°♋43'48			1552 Jan 30 j 15:22	0°♋	
asc. node	1551 Feb 20 j 12:11	24°♋44'50		asc. node	1552 Feb 07 j 09:14	13°♋32'57	
	1551 Feb 23 j 13:07	0°♌		evening max el	1552 Feb 14 j 05:34	22°♋41'14	18°10'06
evening max el	1551 Mar 02 j 20:15	9°♌47'30	18°30'01	retrograde	1552 Feb 21 j 01:04	26°♋08'05	
retrograde	1551 Mar 10 j 10:24	13°♌31'18		evening set	1552 Feb 23 j 15:52	25°♋38'09	
evening set	1551 Mar 12 j 19:38	13°♌10'22		inferior conj	1552 Mar 01 j 10:38	20°♋46'54	3°28'05
inferior conj	1551 Mar 20 j 06:42	8°♌39'53	2°44'37	minimum elong	1552 Mar 01 j 13:04	20°♋41'15	3°27'46
minimum elong	1551 Mar 20 j 10:40	8°♌31'57	2°43'40	min. Earth dist.	1552 Mar 04 j 17:42	17°♋45'48	0.60471 AU
min. Earth dist.	1551 Mar 23 j 16:58	5°♌57'35	0.58349 AU	morning rise	1552 Mar 08 j 08:15	14°♋59'59	
morning rise	1551 Mar 27 j 22:49	3°♌14'15		direct	1552 Mar 15 j 00:24	12°♋51'45	
desc. node	1551 Mar 31 j 02:23	2°♌03'20		desc. node	1552 Mar 16 j 23:25	13°♋02'18	
direct	1551 Apr 02 j 21:55	1°♌42'50		morning max el	1552 Mar 29 j 06:49	20°♋43'07	27°36'12
morning max el	1551 Apr 17 j 07:02	9°♌22'34	26°46'53		1552 Apr 06 j 07:16	0°♌	
	1551 May 03 j 00:03	0°♍			1552 Apr 24 j 21:07	0°♍	
morning set	1551 May 16 j 23:48	26°♍06'19		morning set	1552 Apr 30 j 06:50	10°♍45'33	
	1551 May 18 j 19:53	0°♎		asc. node	1552 May 05 j 08:31	21°♍32'38	
asc. node	1551 May 19 j 11:27	1°♎23'38		max. Earth dist.	1552 May 06 j 13:42	24°♍11'47	1.32263 AU
superior conj	1551 May 24 j 00:41	11°♎20'25	0°46'30	superior conj	1552 May 07 j 12:06	26°♍14'29	0°22'35
minimum elong	1551 May 23 j 22:49	11°♎10'07	0°46'07	minimum elong	1552 May 07 j 11:05	26°♍08'58	0°22'21
max. Earth dist.	1551 May 24 j 01:46	11°♎26'18	1.32251 AU		1552 May 09 j 05:11	0°♎	
evening rise	1551 May 30 j 22:28	26°♎18'14		evening rise	1552 May 14 j 08:58	11°♎10'22	
	1551 Jun 01 j 17:12	0°♏			1552 May 23 j 23:43	0°♏	
	1551 Jun 18 j 21:41	0°♐		evening max el	1552 Jun 10 j 12:30	24°♏12'36	25°27'12
desc. node	1551 Jun 27 j 01:38	10°♐15'42		desc. node	1552 Jun 12 j 22:40	26°♏21'46	
evening max el	1551 Jun 29 j 17:09	12°♐57'03	26°37'28		1552 Jun 18 j 15:07	0°♐	
retrograde	1551 Jul 13 j 16:31	20°♐10'37		retrograde	1552 Jun 24 j 13:07	1°♐21'26	
evening set	1551 Jul 20 j 10:13	18°♐14'54		evening set	1552 Jun 30 j 06:57	0°♐04'15	
min. Earth dist.	1551 Jul 24 j 06:39	15°♐38'12	0.60084 AU		1552 Jun 30 j 10:48	30°♑♏	
inferior conj	1551 Jul 27 j 13:53	12°♐58'37	-4°42'07	min. Earth dist.	1552 Jul 05 j 00:34	27°♏22'15	0.58043 AU
minimum elong	1551 Jul 27 j 17:32	12°♐51'13	4°41'40	inferior conj	1552 Jul 08 j 04:43	25°♏09'10	-4°55'22
morning rise	1551 Aug 04 j 02:52	8°♐19'18		minimum elong	1552 Jul 08 j 04:24	25°♏09'43	4°55'22
direct	1551 Aug 06 j 13:29	7°♐57'13		morning rise	1552 Jul 16 j 04:21	20°♏52'09	
morning max el	1551 Aug 14 j 01:06	11°♐35'54	18°12'37	direct	1552 Jul 18 j 17:09	20°♏32'22	
asc. node	1551 Aug 15 j 10:41	13°♐03'26		morning max el	1552 Jul 27 j 05:36	24°♏33'30	18°51'45
	1551 Aug 26 j 06:58	0°♑			1552 Jul 31 j 20:38	0°♐	
morning set	1551 Aug 29 j 22:44	6°♑50'21		asc. node	1552 Aug 01 j 07:44	0°♐39'17	
				morning set	1552 Aug 12 j 18:31	20°♐57'26	
superior conj	1551 Sep 08 j 10:39	24°♑31'21	1°28'09		1552 Aug 17 j 09:01	0°♑	
minimum elong	1551 Sep 08 j 14:27	24°♑48'32	1°27'48				
	1551 Sep 11 j 12:14	0°♒		superior conj	1552 Aug 21 j 06:54	7°♑33'23	1°41'54
max. Earth dist.	1551 Sep 16 j 01:26	7°♒52'09	1.41130 AU	minimum elong	1552 Aug 21 j 08:49	7°♑42'28	1°41'48
evening rise	1551 Sep 21 j 00:58	16°♒08'32		max. Earth dist.	1552 Aug 28 j 05:27	20°♑21'25	1.39103 AU
desc. node	1551 Sep 23 j 00:56	19°♒22'11		evening rise	1552 Sep 01 j 03:51	27°♑13'34	
	1551 Sep 29 j 20:21	0°♓			1552 Sep 02 j 19:05	0°♒	
	1551 Oct 21 j 15:45	0°♈		desc. node	1552 Sep 08 j 21:59	9°♒59'42	
evening max el	1551 Oct 25 j 00:19	3°♈38'15	23°01'48		1552 Sep 22 j 09:41	0°♓	
retrograde	1551 Nov 04 j 04:33	9°♈40'35		evening max el	1552 Oct 06 j 13:14	17°♓14'22	24°21'32
evening set	1551 Nov 09 j 00:12	7°♈41'53		retrograde	1552 Oct 17 j 19:30	23°♓49'51	
asc. node	1551 Nov 11 j 09:56	5°♈13'48		evening set	1552 Oct 23 j 05:01	21°♓34'18	
inferior conj	1551 Nov 14 j 08:59	1°♈19'36	1°00'12	min. Earth dist.	1552 Oct 27 j 21:50	16°♓10'18	0.67551 AU
minimum elong	1551 Nov 14 j 07:37	1°♈24'17	0°59'39	asc. node	1552 Oct 28 j 06:59	15°♓39'35	
min. Earth dist.	1551 Nov 14 j 01:45	1°♈44'31	0.67788 AU	inferior conj	1552 Oct 28 j 15:30	15°♓10'57	0°07'20
	1551 Nov 15 j 08:13	30°♉♓		minimum elong	1552 Oct 28 j 15:19	15°♓11'34	0°07'16
morning rise	1551 Nov 19 j 14:57	25°♓10'16		transit middle	1552 Oct 28 j 15:19	15°♓11'34	0°07'16
direct	1551 Nov 23 j 23:22	23°♓26'05		transit begin	1552 Oct 28 j 12:52	15°♓19'47	
morning max el	1551 Dec 02 j 19:24	28°♓36'33	21°33'59	transit end	1552 Oct 28 j 17:46	15°♓03'20	
	1551 Dec 04 j 03:16	0°♊		morning rise	1552 Nov 03 j 01:38	9°♓06'57	
desc. node	1551 Dec 20 j 00:13	21°♊04'33		direct	1552 Nov 06 j 20:51	7°♓44'17	
	1551 Dec 25 j 23:58	0°♋		morning max el	1552 Nov 14 j 16:40	12°♓14'13	20°18'54

	1552 Nov 28 j 07:00	0°♊		morning rise	1553 Oct 18 j 11:32	23°♊06'35	
desc. node	1552 Dec 05 j 21:15	11°♊20'06		direct	1553 Oct 21 j 19:26	22°♊02'37	
morning set	1552 Dec 12 j 10:33	21°♊22'40		morning max el	1553 Oct 28 j 21:42	26°♊02'08	19°17'41
	1552 Dec 17 j 23:02	0°♊			1553 Nov 01 j 08:55	0°♊	
max. Earth dist.	1552 Dec 22 j 13:44	7°♊20'16	1.43573 AU	morning set	1553 Nov 21 j 11:51	29°♊51'31	
					1553 Nov 21 j 14:02	0°♊	
superior conj	1552 Dec 28 j 13:26	17°♊05'01	-1°57'27	desc. node	1553 Nov 22 j 18:18	1°♊49'52	
minimum elong	1552 Dec 28 j 08:38	16°♊45'12	1°57'12	max. Earth dist.	1553 Dec 05 j 04:34	21°♊17'01	1.44702 AU
	1553 Jan 05 j 05:38	0°♊					
evening rise	1553 Jan 10 j 04:23	8°♊33'33		superior conj	1553 Dec 08 j 06:08	26°♊08'27	-1°31'56
	1553 Jan 23 j 00:39	0°♊		minimum elong	1553 Dec 07 j 21:29	25°♊34'07	1°31'06
asc. node	1553 Jan 24 j 06:17	1°♊44'03			1553 Dec 10 j 16:11	0°♊	
evening max el	1553 Jan 27 j 17:51	5°♊52'39	18°09'34	evening rise	1553 Dec 22 j 17:54	19°♊40'00	
retrograde	1553 Feb 03 j 05:21	9°♊17'07			1553 Dec 28 j 23:34	0°♊	
evening set	1553 Feb 06 j 01:17	8°♊36'54		asc. node	1554 Jan 11 j 03:20	19°♊07'23	
inferior conj	1553 Feb 12 j 07:29	3°♊25'11	3°44'23	evening max el	1554 Jan 11 j 06:12	19°♊14'43	18°27'41
minimum elong	1553 Feb 12 j 07:53	3°♊24'10	3°44'22	retrograde	1554 Jan 17 j 18:57	22°♊49'31	
min. Earth dist.	1553 Feb 15 j 02:34	0°♊30'00	0.62550 AU	evening set	1554 Jan 20 j 20:08	21°♊58'10	
	1553 Feb 15 j 14:39	30°♊		inferior conj	1554 Jan 26 j 17:14	16°♊27'23	3°40'29
morning rise	1553 Feb 18 j 13:22	27°♊25'37		minimum elong	1554 Jan 26 j 15:58	16°♊31'06	3°40'22
direct	1553 Feb 25 j 12:21	24°♊49'21		min. Earth dist.	1554 Jan 28 j 20:59	13°♊56'58	0.64363 AU
desc. node	1553 Mar 03 j 20:28	26°♊40'42		morning rise	1554 Feb 01 j 11:16	10°♊20'28	
	1553 Mar 08 j 13:05	0°♊		direct	1554 Feb 08 j 07:49	7°♊30'14	
morning max el	1553 Mar 11 j 12:12	2°♊44'15	27°48'41	desc. node	1554 Feb 18 j 17:30	12°♊25'36	
	1553 Mar 31 j 16:33	0°♊		morning max el	1554 Feb 21 j 21:11	15°♊20'51	27°25'11
morning set	1553 Apr 14 j 08:27	25°♊05'16			1554 Mar 05 j 21:42	0°♊	
	1553 Apr 16 j 17:51	0°♊			1554 Mar 24 j 09:10	0°♊	
max. Earth dist.	1553 Apr 19 j 21:53	6°♊41'59	1.32673 AU	morning set	1554 Mar 29 j 02:01	8°♊57'19	
				max. Earth dist.	1554 Apr 02 j 22:30	18°♊45'11	1.33507 AU
superior conj	1553 Apr 21 j 21:23	10°♊58'02	-0°03'37				
minimum elong	1553 Apr 21 j 21:33	10°♊58'59	0°03'35	superior conj	1554 Apr 06 j 02:43	25°♊25'09	-0°31'06
behind sun begin	1553 Apr 21 j 16:29	10°♊31'29		minimum elong	1554 Apr 06 j 04:16	25°♊33'21	0°30'46
behind sun end	1553 Apr 22 j 02:38	11°♊26'29			1554 Apr 08 j 06:17	0°♊	
asc. node	1553 Apr 22 j 05:34	11°♊42'22		asc. node	1554 Apr 09 j 02:37	1°♊48'50	
evening rise	1553 Apr 28 j 20:46	26°♊02'37		evening rise	1554 Apr 13 j 08:04	10°♊48'47	
	1553 Apr 30 j 18:06	0°♊			1554 Apr 23 j 07:09	0°♊	
	1553 May 18 j 16:00	0°♊		evening max el	1554 May 04 j 18:34	15°♊23'23	22°20'47
evening max el	1553 May 23 j 02:57	4°♊52'32	23°56'42	retrograde	1554 May 17 j 17:24	21°♊47'35	
desc. node	1553 May 30 j 19:43	10°♊23'52		desc. node	1554 May 17 j 16:44	21°♊47'35	
retrograde	1553 Jun 05 j 21:29	11°♊47'33		evening set	1554 May 20 j 16:10	21°♊28'24	
evening set	1553 Jun 10 j 05:10	11°♊06'21		min. Earth dist.	1554 May 29 j 01:20	17°♊51'48	0.55186 AU
min. Earth dist.	1553 Jun 16 j 13:43	8°♊03'20	0.56300 AU	inferior conj	1554 May 30 j 00:22	17°♊19'17	-3°20'01
inferior conj	1553 Jun 18 j 23:18	6°♊35'06	-4°31'18	minimum elong	1554 May 29 j 16:37	17°♊30'14	3°17'51
minimum elong	1553 Jun 18 j 17:47	6°♊43'37	4°30'29	morning rise	1554 Jun 07 j 19:01	13°♊27'00	
morning rise	1553 Jun 27 j 09:04	2°♊36'11		direct	1554 Jun 10 j 17:48	13°♊07'18	
direct	1553 Jun 30 j 01:51	2°♊17'21		morning max el	1554 Jun 22 j 07:22	18°♊30'30	21°13'04
morning max el	1553 Jul 10 j 00:11	6°♊53'39	19°52'13		1554 Jul 01 j 09:57	0°♊	
asc. node	1553 Jul 19 j 04:47	19°♊02'18		asc. node	1554 Jul 06 j 01:50	8°♊01'19	
	1553 Jul 25 j 04:10	0°♊		morning set	1554 Jul 12 j 05:32	20°♊10'32	
morning set	1553 Jul 27 j 21:37	5°♊26'24			1554 Jul 16 j 22:23	0°♊	
superior conj	1553 Aug 04 j 17:47	21°♊19'12	1°46'04	superior conj	1554 Jul 19 j 15:00	5°♊36'35	1°42'30
minimum elong	1553 Aug 04 j 17:50	21°♊19'27	1°46'04	minimum elong	1554 Jul 19 j 13:39	5°♊29'39	1°42'26
	1553 Aug 09 j 04:26	0°♊		max. Earth dist.	1554 Jul 23 j 20:20	14°♊11'31	1.35366 AU
max. Earth dist.	1553 Aug 10 j 09:58	2°♊20'10	1.37113 AU	evening rise	1554 Jul 28 j 02:33	22°♊27'59	
evening rise	1553 Aug 14 j 05:48	9°♊23'33			1554 Aug 01 j 04:39	0°♊	
desc. node	1553 Aug 26 j 19:02	0°♊25'37		desc. node	1554 Aug 13 j 16:04	20°♊33'57	
	1553 Aug 26 j 12:27	0°♊			1554 Aug 20 j 06:06	0°♊	
	1553 Sep 18 j 03:39	0°♊		evening max el	1554 Sep 01 j 13:18	14°♊30'53	26°35'22
evening max el	1553 Sep 19 j 01:15	0°♊53'45	25°35'18	retrograde	1554 Sep 14 j 11:04	21°♊44'20	
retrograde	1553 Oct 01 j 05:52	7°♊53'11		evening set	1554 Sep 21 j 00:36	19°♊02'58	
evening set	1553 Oct 07 j 05:50	5°♊22'31		min. Earth dist.	1554 Sep 25 j 02:11	14°♊50'59	0.66068 AU
min. Earth dist.	1553 Oct 11 j 14:47	0°♊33'49	0.66982 AU	inferior conj	1554 Sep 26 j 18:28	12°♊50'17	-1°46'35
	1553 Oct 12 j 01:23	30°♊		minimum elong	1554 Sep 26 j 21:17	12°♊41'51	1°45'27
inferior conj	1553 Oct 12 j 19:19	29°♊02'25	-0°48'45	asc. node	1554 Oct 02 j 01:03	7°♊32'14	
minimum elong	1553 Oct 12 j 20:34	28°♊58'24	0°48'13	morning rise	1554 Oct 02 j 18:30	7°♊05'36	
asc. node	1553 Oct 15 j 04:01	26°♊08'02		direct	1554 Oct 05 j 17:13	6°♊16'50	

morning max el	1554 Oct 12 j 09:00	9° $\Omega$ 56'14	18°32'08	minimum elong	1555 Sep 10 j 15:02	26° $\Pi$ 19'04	2°42'30
	1554 Oct 26 j 13:16	0° $\Pi$		morning rise	1555 Sep 16 j 20:05	21° $\Pi$ 00'19	
morning set	1554 Nov 01 j 13:02	9° $\Pi$ 35'13		asc. node	1555 Sep 18 j 22:05	20° $\Pi$ 24'47	
desc. node	1554 Nov 09 j 15:20	22° $\Pi$ 28'53		direct	1555 Sep 19 j 12:01	20° $\Pi$ 23'00	
	1554 Nov 14 j 09:40	0° $\mathcal{A}$		morning max el	1555 Sep 26 j 00:10	23° $\Pi$ 51'34	18°03'17
					1555 Sep 30 j 22:56	0° $\Omega$	
superior conj	1554 Nov 17 j 07:46	4° $\mathcal{A}$ 35'32	-0°49'43	morning set	1555 Oct 13 j 19:13	20° $\Omega$ 44'35	
minimum elong	1554 Nov 17 j 01:26	4° $\mathcal{A}$ 10'39	0°48'55		1555 Oct 19 j 08:50	0° $\Pi$	
max. Earth dist.	1554 Nov 17 j 23:08	5° $\mathcal{A}$ 35'55	1.45123 AU				
evening rise	1554 Dec 03 j 07:57	29° $\mathcal{A}$ 48'34		superior conj	1555 Oct 27 j 15:38	13° $\Pi$ 26'59	-0°00'56
	1554 Dec 03 j 10:50	0° $\mathcal{B}$		minimum elong	1555 Oct 27 j 15:31	13° $\Pi$ 26'29	0°00'54
greatest brilliancy	1554 Dec 12 j 11:12	14° $\mathcal{B}$ 16'06	-0.8m	behind sun begin	1555 Oct 27 j 04:56	12° $\Pi$ 44'06	
	1554 Dec 23 j 07:09	0° $\approx$		behind sun end	1555 Oct 28 j 02:07	14° $\Pi$ 08'49	
evening max el	1554 Dec 25 j 16:07	2° $\approx$ 41'29	19°03'29	desc. node	1555 Oct 27 j 12:22	13° $\Pi$ 13'51	
asc. node	1554 Dec 29 j 00:22	5° $\approx$ 28'55		max. Earth dist.	1555 Oct 31 j 17:54	19° $\Pi$ 57'24	1.44803 AU
retrograde	1555 Jan 01 j 14:01	6° $\approx$ 37'23			1555 Nov 07 j 03:39	0° $\mathcal{A}$	
evening set	1555 Jan 04 j 21:22	5° $\approx$ 33'54		evening rise	1555 Nov 13 j 01:12	9° $\mathcal{A}$ 08'48	
	1555 Jan 10 j 07:57	30° $\mathcal{R}$ $\mathcal{B}$			1555 Nov 26 j 17:28	0° $\mathcal{B}$	
inferior conj	1555 Jan 10 j 12:15	29° $\mathcal{B}$ 46'26	3°21'47	greatest brilliancy	1555 Nov 26 j 19:44	0° $\mathcal{B}$ 08'26	-0.6m
minimum elong	1555 Jan 10 j 09:58	29° $\mathcal{B}$ 53'38	3°21'22	evening max el	1555 Dec 08 j 21:44	16° $\mathcal{B}$ 10'28	19°55'25
min. Earth dist.	1555 Jan 12 j 00:42	27° $\mathcal{B}$ 51'27	0.65801 AU	asc. node	1555 Dec 15 j 21:22	20° $\mathcal{B}$ 34'07	
morning rise	1555 Jan 15 j 22:17	23° $\mathcal{B}$ 35'13		retrograde	1555 Dec 16 j 11:36	20° $\mathcal{B}$ 36'05	
direct	1555 Jan 22 j 09:45	20° $\mathcal{B}$ 45'06		evening set	1555 Dec 20 j 02:39	19° $\mathcal{B}$ 19'08	
morning max el	1555 Feb 04 j 07:04	28° $\mathcal{B}$ 20'52	26°31'27	inferior conj	1555 Dec 25 j 13:36	13° $\mathcal{B}$ 17'45	2°52'02
desc. node	1555 Feb 05 j 14:32	29° $\mathcal{B}$ 42'14		minimum elong	1555 Dec 25 j 10:57	13° $\mathcal{B}$ 26'37	2°51'19
	1555 Feb 05 j 21:11	0° $\approx$		min. Earth dist.	1555 Dec 26 j 12:08	12° $\mathcal{B}$ 02'38	0.66838 AU
	1555 Feb 27 j 15:58	0° $\mathcal{H}$		morning rise	1555 Dec 30 j 19:01	7° $\mathcal{B}$ 04'33	
morning set	1555 Mar 12 j 08:00	22° $\mathcal{H}$ 10'34		direct	1556 Jan 05 j 17:36	4° $\mathcal{B}$ 25'46	
	1555 Mar 16 j 09:13	0° $\mathcal{Y}$		morning max el	1556 Jan 17 j 16:01	11° $\mathcal{B}$ 32'38	25°16'16
max. Earth dist.	1555 Mar 16 j 12:11	0° $\mathcal{Y}$ 14'40	1.34789 AU	desc. node	1556 Jan 23 j 11:35	18° $\mathcal{B}$ 04'22	
					1556 Feb 01 j 10:58	0° $\approx$	
superior conj	1555 Mar 21 j 01:50	9° $\mathcal{Y}$ 28'36	-0°58'43		1556 Feb 20 j 08:30	0° $\mathcal{H}$	
minimum elong	1555 Mar 21 j 04:45	9° $\mathcal{Y}$ 43'39	0°58'10	morning set	1556 Feb 22 j 21:36	4° $\mathcal{H}$ 31'31	
asc. node	1555 Mar 26 j 23:40	21° $\mathcal{Y}$ 47'34		max. Earth dist.	1556 Feb 26 j 14:12	11° $\mathcal{H}$ 18'23	1.36511 AU
evening rise	1555 Mar 28 j 16:55	25° $\mathcal{Y}$ 22'01					
	1555 Mar 30 j 23:19	0° $\mathcal{B}$		superior conj	1556 Mar 03 j 15:55	23° $\mathcal{H}$ 00'53	-1°24'43
evening max el	1555 Apr 16 j 18:29	26° $\mathcal{B}$ 15'26	20°53'16	minimum elong	1556 Mar 03 j 19:53	23° $\mathcal{H}$ 20'32	1°24'09
	1555 Apr 21 j 15:28	0° $\Pi$			1556 Mar 07 j 03:36	0° $\mathcal{Y}$	
retrograde	1555 Apr 28 j 06:46	1° $\Pi$ 51'20		evening rise	1556 Mar 11 j 21:12	9° $\mathcal{Y}$ 35'59	
evening set	1555 Apr 30 j 10:44	1° $\Pi$ 40'12		asc. node	1556 Mar 12 j 20:42	11° $\mathcal{Y}$ 34'07	
desc. node	1555 May 04 j 13:44	0° $\Pi$ 24'00			1556 Mar 23 j 00:58	0° $\mathcal{B}$	
	1555 May 05 j 11:01	30° $\mathcal{R}$ $\mathcal{B}$		evening max el	1556 Mar 29 j 06:08	7° $\mathcal{B}$ 45'43	19°42'11
inferior conj	1555 May 09 j 18:09	27° $\mathcal{B}$ 42'09	-1°29'58	retrograde	1556 Apr 08 j 00:49	12° $\mathcal{B}$ 28'34	
minimum elong	1555 May 09 j 13:54	27° $\mathcal{B}$ 48'11	1°28'26	evening set	1556 Apr 10 j 01:56	12° $\mathcal{B}$ 17'05	
min. Earth dist.	1555 May 10 j 13:49	27° $\mathcal{B}$ 14'11	0.54956 AU	inferior conj	1556 Apr 18 j 19:14	8° $\mathcal{B}$ 14'32	0°28'24
morning rise	1555 May 18 j 16:46	23° $\mathcal{B}$ 37'06		minimum elong	1556 Apr 18 j 20:28	8° $\mathcal{B}$ 12'36	0°27'57
direct	1555 May 22 j 03:18	23° $\mathcal{B}$ 11'37		desc. node	1556 Apr 20 j 10:46	7° $\mathcal{B}$ 12'33	
morning max el	1555 Jun 04 j 04:28	29° $\mathcal{B}$ 27'02	22°49'29	min. Earth dist.	1556 Apr 21 j 04:03	6° $\mathcal{B}$ 45'53	0.55692 AU
	1555 Jun 04 j 18:17	0° $\Pi$		morning rise	1556 Apr 27 j 12:27	3° $\mathcal{B}$ 39'42	
asc. node	1555 Jun 22 j 22:53	27° $\Pi$ 27'26		direct	1556 May 01 j 20:19	2° $\mathcal{B}$ 57'54	
	1555 Jun 24 j 05:20	0° $\mathcal{B}$		morning max el	1556 May 15 j 19:39	9° $\mathcal{B}$ 57'54	24°31'16
morning set	1555 Jun 26 j 16:17	5° $\mathcal{B}$ 04'10			1556 May 30 j 18:36	0° $\Pi$	
				asc. node	1556 Jun 08 j 19:56	17° $\Pi$ 12'42	
superior conj	1555 Jul 03 j 19:16	20° $\mathcal{B}$ 15'48	1°32'43	morning set	1556 Jun 10 j 04:08	20° $\Pi$ 01'04	
minimum elong	1555 Jul 03 j 17:07	20° $\mathcal{B}$ 04'17	1°32'31		1556 Jun 14 j 19:28	0° $\mathcal{B}$	
max. Earth dist.	1555 Jul 06 j 15:39	26° $\mathcal{B}$ 16'20	1.33982 AU				
	1555 Jul 08 j 10:57	0° $\Omega$		superior conj	1556 Jun 17 j 04:01	5° $\mathcal{B}$ 07'42	1°17'55
evening rise	1555 Jul 11 j 13:32	6° $\Omega$ 14'49		minimum elong	1556 Jun 17 j 01:35	4° $\mathcal{B}$ 54'31	1°17'34
	1555 Jul 24 j 19:30	0° $\Pi$		max. Earth dist.	1556 Jun 18 j 19:36	8° $\mathcal{B}$ 41'52	1.33002 AU
desc. node	1555 Jul 31 j 13:03	10° $\Pi$ 17'04		evening rise	1556 Jun 24 j 10:46	20° $\mathcal{B}$ 31'50	
evening max el	1555 Aug 15 j 01:12	27° $\Pi$ 57'23	27°14'20		1556 Jun 29 j 06:22	0° $\Omega$	
	1555 Aug 17 j 07:34	0° $\Omega$		desc. node	1556 Jul 17 j 10:04	29° $\Omega$ 23'39	
retrograde	1555 Aug 28 j 10:53	5° $\Omega$ 16'15			1556 Jul 17 j 20:59	0° $\Pi$	
evening set	1555 Sep 04 j 10:54	2° $\Omega$ 32'02		evening max el	1556 Jul 27 j 11:24	11° $\Pi$ 00'50	27°25'37
	1555 Sep 07 j 05:34	30° $\mathcal{R}$ $\Pi$		retrograde	1556 Aug 10 j 04:35	18° $\Pi$ 18'54	
min. Earth dist.	1555 Sep 08 j 05:53	28° $\Pi$ 56'12	0.64797 AU	evening set	1556 Aug 17 j 09:29	15° $\Pi$ 43'19	
inferior conj	1555 Sep 10 j 10:46	26° $\Pi$ 30'49	-2°44'00	min. Earth dist.	1556 Aug 21 j 00:05	12° $\Pi$ 39'08	0.63177 AU

inferior conj	1556 Aug 23 j 17:32	9° $\mathbb{M}$ 57'16	-3°37'53	min. Earth dist.	1557 Aug 03 j 07:50	25° $\Omega$ 47'06	0.61271 AU
minimum elong	1556 Aug 23 j 22:42	9° $\mathbb{M}$ 44'27	3°36'25	inferior conj	1557 Aug 06 j 11:34	23° $\Omega$ 01'56	-4°23'05
morning rise	1556 Aug 30 j 13:13	4° $\mathbb{M}$ 44'07		minimum elong	1557 Aug 06 j 16:22	22° $\Omega$ 51'25	4°22'11
direct	1556 Sep 02 j 00:58	4° $\mathbb{M}$ 14'49		morning rise	1557 Aug 13 j 18:12	18° $\Omega$ 09'14	
asc. node	1556 Sep 04 j 19:08	4° $\mathbb{M}$ 51'32		direct	1557 Aug 16 j 04:32	17° $\Omega$ 45'02	
morning max el	1556 Sep 08 j 16:14	7° $\mathbb{M}$ 40'39	17°51'59	asc. node	1557 Aug 22 j 16:12	20° $\Omega$ 43'30	
	1556 Sep 23 j 07:56	0° $\underline{\Omega}$		morning max el	1557 Aug 23 j 06:13	21° $\Omega$ 16'22	17°59'20
morning set	1556 Sep 25 j 01:57	3° $\underline{\Omega}$ 04'28			1557 Aug 29 j 21:19	0° $\mathbb{M}$	
				morning set	1557 Sep 08 j 03:00	16° $\mathbb{M}$ 17'03	
					1557 Sep 15 j 15:36	0° $\underline{\Omega}$	
superior conj	1556 Oct 06 j 22:29	23° $\underline{\Omega}$ 27'14	0°42'47	superior conj	1557 Sep 18 j 08:31	4° $\underline{\Omega}$ 47'31	1°15'09
minimum elong	1556 Oct 07 j 02:29	23° $\underline{\Omega}$ 43'55	0°42'15	minimum elong	1557 Sep 18 j 13:02	5° $\underline{\Omega}$ 07'21	1°14'38
	1556 Oct 10 j 21:49	0° $\mathbb{M}$		max. Earth dist.	1557 Sep 25 j 21:47	17° $\underline{\Omega}$ 40'31	1.42222 AU
desc. node	1556 Oct 13 j 09:22	4° $\mathbb{M}$ 00'59		desc. node	1557 Sep 30 j 06:23	24° $\underline{\Omega}$ 47'13	
max. Earth dist.	1556 Oct 13 j 09:59	4° $\mathbb{M}$ 03'28	1.43793 AU	evening rise	1557 Oct 02 j 01:00	27° $\underline{\Omega}$ 37'27	
evening rise	1556 Oct 22 j 09:04	18° $\mathbb{M}$ 10'18			1557 Oct 03 j 13:05	0° $\mathbb{M}$	
	1556 Oct 30 j 03:24	0° $\mathbb{X}$			1557 Oct 23 j 21:29	0° $\mathbb{X}$	
evening max el	1556 Nov 20 j 21:55	29° $\mathbb{X}$ 40'24	21°00'58	evening max el	1557 Nov 03 j 16:39	13° $\mathbb{X}$ 11'35	22°16'13
	1556 Nov 21 j 05:39	0° $\mathbb{Z}$		retrograde	1557 Nov 13 j 05:16	18° $\mathbb{X}$ 51'25	
retrograde	1556 Nov 29 j 09:16	4° $\mathbb{Z}$ 41'47		evening set	1557 Nov 17 j 17:35	17° $\mathbb{X}$ 02'37	
asc. node	1556 Dec 01 j 18:24	4° $\mathbb{Z}$ 10'05		asc. node	1557 Nov 18 j 15:27	16° $\mathbb{X}$ 13'43	
evening set	1556 Dec 03 j 09:59	3° $\mathbb{Z}$ 09'41		inferior conj	1557 Nov 23 j 02:01	10° $\mathbb{X}$ 43'09	1°28'39
	1556 Dec 06 j 11:56	30° $\mathbb{R}$ $\mathbb{X}$		minimum elong	1557 Nov 23 j 00:08	10° $\mathbb{X}$ 49'41	1°27'56
inferior conj	1556 Dec 08 j 18:52	26° $\mathbb{X}$ 57'34	2°13'44	min. Earth dist.	1557 Nov 23 j 00:55	10° $\mathbb{X}$ 46'57	0.67777 AU
minimum elong	1556 Dec 08 j 16:22	27° $\mathbb{X}$ 06'09	2°12'54	morning rise	1557 Nov 28 j 06:31	4° $\mathbb{X}$ 32'00	
min. Earth dist.	1556 Dec 09 j 05:01	26° $\mathbb{X}$ 22'42	0.67487 AU	direct	1557 Dec 02 j 23:20	2° $\mathbb{X}$ 34'33	
morning rise	1556 Dec 13 j 22:34	20° $\mathbb{X}$ 44'24		morning max el	1557 Dec 12 j 11:17	8° $\mathbb{X}$ 10'58	22°21'58
direct	1556 Dec 19 j 06:25	18° $\mathbb{X}$ 24'28		desc. node	1557 Dec 27 j 05:38	26° $\mathbb{X}$ 54'07	
morning max el	1556 Dec 30 j 00:24	24° $\mathbb{X}$ 49'05	23°49'52		1557 Dec 29 j 09:23	0° $\mathbb{Z}$	
	1557 Jan 03 j 16:27	0° $\mathbb{Z}$		morning set	1558 Jan 14 j 23:43	25° $\mathbb{Z}$ 31'34	
desc. node	1557 Jan 09 j 08:37	7° $\mathbb{Z}$ 12'52			1558 Jan 17 j 17:06	0° $\approx$	
	1557 Jan 24 j 22:42	0° $\approx$		max. Earth dist.	1558 Jan 20 j 06:06	4° $\approx$ 15'24	1.40707 AU
morning set	1557 Feb 03 j 12:48	15° $\approx$ 43'29					
max. Earth dist.	1557 Feb 07 j 09:22	22° $\approx$ 26'32	1.38561 AU	superior conj	1558 Jan 28 j 01:23	17° $\approx$ 50'48	-2°01'07
	1557 Feb 11 j 13:46	0° $\mathbb{H}$		minimum elong	1558 Jan 28 j 03:49	18° $\approx$ 01'45	2°01'02
superior conj	1557 Feb 14 j 17:22	5° $\mathbb{H}$ 52'37	-1°46'40		1558 Feb 03 j 16:30	0° $\mathbb{H}$	
minimum elong	1557 Feb 14 j 21:27	6° $\mathbb{H}$ 11'57	1°46'18	evening rise	1558 Feb 07 j 05:05	6° $\mathbb{H}$ 36'30	
evening rise	1557 Feb 23 j 18:21	23° $\mathbb{H}$ 23'46		asc. node	1558 Feb 14 j 14:47	20° $\mathbb{H}$ 08'44	
	1557 Feb 27 j 04:20	0° $\mathbb{Y}$			1558 Feb 21 j 03:00	0° $\mathbb{Y}$	
asc. node	1557 Feb 27 j 17:44	1° $\mathbb{Y}$ 03'29		evening max el	1558 Feb 23 j 10:51	2° $\mathbb{Y}$ 35'01	18°19'10
evening max el	1557 Mar 12 j 04:35	19° $\mathbb{Y}$ 55'10	18°50'39	retrograde	1558 Mar 02 j 15:28	6° $\mathbb{Y}$ 09'31	
retrograde	1557 Mar 20 j 10:34	23° $\mathbb{Y}$ 55'30		evening set	1558 Mar 05 j 03:18	5° $\mathbb{Y}$ 44'47	
evening set	1557 Mar 22 j 16:33	23° $\mathbb{Y}$ 38'49		inferior conj	1558 Mar 12 j 06:56	1° $\mathbb{Y}$ 05'19	3°06'48
inferior conj	1557 Mar 30 j 14:28	19° $\mathbb{Y}$ 20'05	2°04'32	minimum elong	1558 Mar 12 j 10:26	0° $\mathbb{Y}$ 57'54	3°06'08
minimum elong	1557 Mar 30 j 18:26	19° $\mathbb{Y}$ 12'53	2°03'22		1558 Mar 13 j 13:32	30° $\mathbb{R}$ $\mathbb{H}$	
min. Earth dist.	1557 Apr 02 j 20:35	16° $\mathbb{Y}$ 59'35	0.57230 AU	min. Earth dist.	1558 Mar 15 j 17:13	28° $\mathbb{H}$ 12'14	0.59241 AU
desc. node	1557 Apr 07 j 07:48	14° $\mathbb{Y}$ 22'04		morning rise	1558 Mar 19 j 15:05	25° $\mathbb{H}$ 29'45	
morning rise	1557 Apr 07 j 17:14	14° $\mathbb{Y}$ 11'40		desc. node	1558 Mar 25 j 04:51	23° $\mathbb{H}$ 43'56	
direct	1557 Apr 13 j 03:05	13° $\mathbb{Y}$ 00'48		direct	1558 Mar 25 j 22:41	23° $\mathbb{H}$ 42'27	
morning max el	1557 Apr 27 j 10:49	20° $\mathbb{Y}$ 29'25	26°03'44		1558 Apr 07 j 17:51	0° $\mathbb{Y}$	
	1557 May 05 j 15:00	0° $\mathbb{B}$		morning max el	1558 Apr 09 j 06:53	1° $\mathbb{Y}$ 27'11	27°12'08
	1557 May 23 j 06:21	0° $\mathbb{H}$			1558 Apr 29 j 19:08	0° $\mathbb{B}$	
morning set	1557 May 25 j 15:28	4° $\mathbb{H}$ 55'57		morning set	1558 May 10 j 00:36	19° $\mathbb{B}$ 42'32	
asc. node	1557 May 26 j 17:00	7° $\mathbb{H}$ 11'18		asc. node	1558 May 13 j 14:03	27° $\mathbb{B}$ 17'36	
					1558 May 14 j 19:54	0° $\mathbb{H}$	
superior conj	1557 Jun 01 j 15:12	20° $\mathbb{H}$ 05'28	0°58'59	superior conj	1558 May 17 j 02:59	5° $\mathbb{H}$ 02'12	0°36'41
minimum elong	1557 Jun 01 j 13:00	19° $\mathbb{H}$ 53'23	0°58'35	minimum elong	1558 May 17 j 01:27	4° $\mathbb{H}$ 53'40	0°36'21
max. Earth dist.	1557 Jun 02 j 05:38	21° $\mathbb{H}$ 24'42	1.32422 AU	max. Earth dist.	1558 May 16 j 18:09	4° $\mathbb{H}$ 13'33	1.32219 AU
	1557 Jun 06 j 04:32	0° $\mathbb{D}$		evening rise	1558 May 23 j 23:58	19° $\mathbb{H}$ 58'03	
evening rise	1557 Jun 08 j 15:06	5° $\mathbb{D}$ 09'17			1558 May 28 j 22:14	0° $\mathbb{D}$	
	1557 Jun 21 j 22:00	0° $\Omega$			1558 Jun 16 j 21:15	0° $\Omega$	
desc. node	1557 Jul 04 j 07:05	17° $\Omega$ 38'22		desc. node	1558 Jun 21 j 04:07	4° $\Omega$ 39'28	
evening max el	1557 Jul 09 j 17:33	23° $\Omega$ 28'46	27°04'34	evening max el	1558 Jun 21 j 17:04	5° $\Omega$ 10'45	26°10'45
	1557 Jul 19 j 12:11	0° $\mathbb{M}$		retrograde	1558 Jul 05 j 17:00	12° $\Omega$ 21'50	
retrograde	1557 Jul 23 j 15:08	0° $\mathbb{R}$ 43'13		evening set	1558 Jul 12 j 02:22	10° $\Omega$ 41'59	
	1557 Jul 27 j 15:05	30° $\mathbb{R}$ $\Omega$					
evening set	1557 Jul 30 j 16:13	28° $\Omega$ 29'36					

min. Earth dist.	1558 Jul 16 j 05:47	8°Ω05'23	0.59210 AU	evening set	1559 Jun 22 j 12:58	22°☿11'45	
inferior conj	1558 Jul 19 j 13:16	5°Ω34'51	-4°51'22	min. Earth dist.	1559 Jun 27 j 20:54	19°☿22'38	0.57248 AU
minimum elong	1558 Jul 19 j 15:31	5°Ω30'32	4°51'13	inferior conj	1559 Jun 30 j 19:28	17°☿26'32	-4°50'31
morning rise	1558 Jul 27 j 06:49	1°Ω05'01		minimum elong	1559 Jun 30 j 16:54	17°☿30'46	4°50'21
direct	1558 Jul 29 j 18:18	0°Ω43'56		morning rise	1559 Jul 08 j 23:33	13°☿18'33	
morning max el	1558 Aug 06 j 15:03	4°Ω30'24	18°26'40	direct	1559 Jul 11 j 13:57	12°☿59'19	
asc. node	1558 Aug 09 j 13:15	7°Ω45'46		morning max el	1559 Jul 20 j 15:39	17°☿13'18	19°14'57
morning set	1558 Aug 22 j 17:09	0°☿07'47		asc. node	1559 Jul 27 j 10:19	25°☿43'13	
	1558 Aug 22 j 15:31	0°☿			1559 Jul 30 j 01:02	0°Ω	
				morning set	1559 Aug 06 j 16:22	14°Ω25'09	
superior conj	1558 Aug 31 j 17:58	17°☿17'34	1°35'17	superior conj	1559 Aug 14 j 21:04	0°☿40'20	1°44'43
minimum elong	1558 Aug 31 j 21:01	17°☿31'38	1°35'04	minimum elong	1559 Aug 14 j 22:09	0°☿45'35	1°44'42
	1558 Sep 07 j 20:02	0°☿			1559 Aug 14 j 12:46	0°☿	
max. Earth dist.	1558 Sep 08 j 04:35	0°☿37'04	1.40283 AU	max. Earth dist.	1559 Aug 21 j 08:04	12°☿50'54	1.38233 AU
evening rise	1558 Sep 12 j 13:50	8°☿03'10		evening rise	1559 Aug 25 j 02:52	19°☿36'30	
desc. node	1558 Sep 17 j 03:25	15°☿29'19			1559 Aug 31 j 06:08	0°☿	
	1558 Sep 26 j 14:29	0°☿		desc. node	1559 Sep 04 j 00:27	6°☿02'37	
evening max el	1558 Oct 17 j 07:03	26°☿45'36	23°35'59		1559 Sep 20 j 17:57	0°☿	
	1558 Oct 20 j 21:53	0°☿		evening max el	1559 Sep 29 j 19:07	10°☿22'39	24°54'02
retrograde	1558 Oct 27 j 22:21	3°☿02'27		retrograde	1559 Oct 11 j 11:29	17°☿10'07	
evening set	1558 Nov 01 j 23:54	0°☿56'17		evening set	1559 Oct 17 j 03:13	14°☿47'28	
	1558 Nov 03 j 00:11	30°☿☿		min. Earth dist.	1559 Oct 21 j 16:30	9°☿38'27	0.67349 AU
asc. node	1558 Nov 05 j 12:29	27°☿03'48		inferior conj	1559 Oct 22 j 14:48	8°☿24'49	-0°16'09
inferior conj	1558 Nov 07 j 09:15	24°☿33'10	0°38'16	minimum elong	1559 Oct 22 j 15:12	8°☿23'30	0°15'59
minimum elong	1558 Nov 07 j 08:21	24°☿36'14	0°37'54	transit middle	1559 Oct 22 j 15:12	8°☿23'30	0°15'59
min. Earth dist.	1558 Nov 06 j 21:32	25°☿13'12	0.67730 AU	transit begin	1559 Oct 22 j 14:43	8°☿25'06	
morning rise	1558 Nov 12 j 16:46	18°☿26'06		transit end	1559 Oct 22 j 15:41	8°☿21'54	
direct	1558 Nov 16 j 19:23	16°☿51'24		asc. node	1559 Oct 23 j 09:31	7°☿23'26	
morning max el	1558 Nov 25 j 04:18	21°☿43'05	21°00'38	morning rise	1559 Oct 28 j 03:20	2°☿24'08	
	1558 Dec 02 j 03:44	0°☿		direct	1559 Oct 31 j 17:23	1°☿10'03	
desc. node	1558 Dec 14 j 02:40	16°☿59'22		morning max el	1559 Nov 08 j 05:02	5°☿25'55	19°51'03
	1558 Dec 22 j 16:25	0°☿			1559 Nov 26 j 04:00	0°☿	
morning set	1558 Dec 25 j 07:20	4°☿04'41		desc. node	1559 Nov 30 j 23:42	7°☿21'31	
max. Earth dist.	1559 Jan 02 j 09:43	17°☿00'23	1.42651 AU	morning set	1559 Dec 04 j 03:23	12°☿12'54	
					1559 Dec 15 j 12:04	0°☿	
superior conj	1559 Jan 09 j 10:40	28°☿43'21	-2°03'30	max. Earth dist.	1559 Dec 15 j 20:26	0°☿33'18	1.44131 AU
minimum elong	1559 Jan 09 j 09:00	28°☿36'17	2°03'28				
	1559 Jan 10 j 04:40	0°☿		superior conj	1559 Dec 20 j 17:31	8°☿23'19	-1°48'58
evening rise	1559 Jan 21 j 01:37	19°☿06'18		minimum elong	1559 Dec 20 j 10:35	7°☿55'14	1°48'28
	1559 Jan 27 j 04:43	0°☿			1560 Jan 02 j 17:06	0°☿	
asc. node	1559 Feb 01 j 11:50	8°☿42'16		evening rise	1560 Jan 03 j 03:33	0°☿44'30	
evening max el	1559 Feb 06 j 21:43	15°☿36'49	18°07'28	asc. node	1560 Jan 19 j 08:51	26°☿34'18	
retrograde	1559 Feb 13 j 12:40	19°☿01'15		evening max el	1560 Jan 21 j 10:14	28°☿52'48	18°15'02
evening set	1559 Feb 16 j 05:38	18°☿27'03			1560 Jan 22 j 15:06	0°☿	
inferior conj	1559 Feb 22 j 18:34	13°☿26'39	3°37'53	retrograde	1560 Jan 27 j 21:26	2°☿20'38	
minimum elong	1559 Feb 22 j 20:08	13°☿22'49	3°37'45	evening set	1560 Jan 30 j 19:24	1°☿35'57	
min. Earth dist.	1559 Feb 25 j 21:04	10°☿25'31	0.61374 AU		1560 Feb 02 j 03:56	30°☿☿	
morning rise	1559 Mar 01 j 09:02	7°☿33'19		inferior conj	1560 Feb 05 j 21:22	26°☿15'56	3°44'51
direct	1559 Mar 08 j 05:08	5°☿12'02		minimum elong	1560 Feb 05 j 20:58	26°☿17'01	3°44'50
desc. node	1559 Mar 12 j 01:53	5°☿53'21		min. Earth dist.	1560 Feb 08 j 10:08	23°☿29'11	0.63356 AU
morning max el	1559 Mar 22 j 09:25	13°☿05'34	27°46'11	morning rise	1560 Feb 11 j 21:39	20°☿12'26	
	1559 Apr 04 j 21:01	0°☿		direct	1560 Feb 18 j 20:27	17°☿28'17	
	1559 Apr 22 j 03:17	0°☿		desc. node	1560 Feb 26 j 22:55	20°☿29'32	
morning set	1559 Apr 24 j 05:37	4°☿14'27		morning max el	1560 Mar 03 j 16:49	25°☿23'28	27°42'55
max. Earth dist.	1559 Apr 30 j 05:08	16°☿54'50	1.32392 AU		1560 Mar 07 j 22:36	0°☿	
asc. node	1559 Apr 30 j 11:07	17°☿27'20			1560 Mar 28 j 08:07	0°☿	
				morning set	1560 Apr 07 j 04:13	18°☿24'06	
superior conj	1559 May 01 j 13:42	19°☿52'16	0°11'42	max. Earth dist.	1560 Apr 12 j 10:32	29°☿14'54	1.32964 AU
minimum elong	1559 May 01 j 13:09	19°☿49'19	0°11'35		1560 Apr 12 j 19:03	0°☿	
behind sun begin	1559 May 01 j 09:39	19°☿30'10					
behind sun end	1559 May 01 j 16:40	20°☿08'27		superior conj	1560 Apr 14 j 21:33	4°☿29'52	-0°15'10
	1559 May 06 j 05:01	0°☿		minimum elong	1560 Apr 14 j 22:18	4°☿33'50	0°15'00
evening rise	1559 May 08 j 11:15	4°☿50'53		behind sun begin	1560 Apr 14 j 20:31	4°☿24'17	
	1559 May 21 j 20:31	0°☿		behind sun end	1560 Apr 15 j 00:04	4°☿43'24	
evening max el	1559 Jun 03 j 09:34	16°☿07'55	24°50'11	asc. node	1560 Apr 16 j 08:10	7°☿36'26	
desc. node	1559 Jun 08 j 01:09	19°☿57'20		evening rise	1560 Apr 21 j 23:03	19°☿41'25	
retrograde	1559 Jun 17 j 08:37	23°☿12'50					

	1560 Apr 27 j 00:21	0°♄			1561 Apr 04 j 07:36	0°♄	
evening max el	1560 May 14 j 23:31	26°♄40'35	23°15'44	evening rise	1561 Apr 06 j 09:30	4°♄22'35	
	1560 May 18 j 22:44	0°♄			1561 Apr 20 j 14:43	0°♄	
desc. node	1560 May 24 j 22:10	2°♄56'34		evening max el	1561 Apr 26 j 18:08	7°♄18'00	21°42'05
retrograde	1560 May 28 j 12:09	3°♄25'47		retrograde	1561 May 09 j 03:59	13°♄22'52	
evening set	1560 Jun 01 j 04:32	2°♄56'01		evening set	1561 May 11 j 16:23	13°♄08'37	
	1560 Jun 07 j 19:29	30°♄♄		desc. node	1561 May 11 j 19:12	13°♄07'17	
min. Earth dist.	1560 Jun 08 j 09:19	29°♄40'05	0.55724 AU	inferior conj	1561 May 21 j 02:19	9°♄06'32	-2°36'43
inferior conj	1560 Jun 10 j 05:58	28°♄34'27	-4°07'01	minimum elong	1561 May 20 j 19:26	9°♄16'10	2°34'30
minimum elong	1560 Jun 09 j 22:51	28°♄44'57	4°05'31	min. Earth dist.	1561 May 20 j 21:25	9°♄13'23	0.54966 AU
morning rise	1560 Jun 18 j 19:48	24°♄40'19		morning rise	1561 May 29 j 23:28	5°♄10'58	
direct	1560 Jun 21 j 14:27	24°♄21'39		direct	1561 Jun 02 j 02:16	4°♄49'36	
morning max el	1560 Jul 02 j 05:38	29°♄16'59	20°24'16	morning max el	1561 Jun 14 j 08:09	10°♄35'43	21°52'32
	1560 Jul 02 j 23:35	0°♄			1561 Jun 28 j 06:17	0°♄	
asc. node	1560 Jul 13 j 07:22	14°♄23'29		asc. node	1561 Jun 30 j 04:25	3°♄35'08	
morning set	1560 Jul 20 j 21:48	29°♄01'55		morning set	1561 Jul 05 j 07:09	13°♄50'49	
	1560 Jul 21 j 09:09	0°♄					
				superior conj	1561 Jul 12 j 13:25	29°♄09'42	1°39'02
superior conj	1560 Jul 28 j 12:51	14°♄41'54	1°45'24	minimum elong	1561 Jul 12 j 11:40	29°♄00'29	1°38'54
minimum elong	1560 Jul 28 j 12:15	14°♄38'49	1°45'23		1561 Jul 12 j 23:02	0°♄	
max. Earth dist.	1560 Aug 02 j 14:07	24°♄42'29	1.36329 AU	max. Earth dist.	1561 Jul 16 j 04:06	6°♄37'46	1.34735 AU
	1560 Aug 05 j 08:58	0°♄		evening rise	1561 Jul 20 j 16:51	15°♄36'36	
evening rise	1560 Aug 06 j 13:28	2°♄12'09			1561 Jul 28 j 13:52	0°♄	
desc. node	1560 Aug 20 j 21:30	26°♄22'14		desc. node	1561 Aug 07 j 18:31	16°♄21'02	
	1560 Aug 23 j 07:04	0°♄			1561 Aug 17 j 20:29	0°♄	
evening max el	1560 Sep 11 j 07:00	24°♄01'59	26°02'55	evening max el	1561 Aug 24 j 19:18	7°♄36'46	26°54'57
	1560 Sep 19 j 05:45	0°♄		retrograde	1561 Sep 06 j 22:54	14°♄53'08	
retrograde	1560 Sep 23 j 19:56	1°♄09'19		evening set	1561 Sep 13 j 17:15	12°♄09'46	
	1560 Sep 28 j 00:44	30°♄♄		min. Earth dist.	1561 Sep 17 j 16:01	8°♄13'02	0.65574 AU
evening set	1560 Sep 30 j 01:44	28°♄33'23		inferior conj	1561 Sep 19 j 13:27	6°♄01'24	-2°11'09
min. Earth dist.	1560 Oct 04 j 07:28	24°♄00'01	0.66635 AU	minimum elong	1561 Sep 19 j 16:55	5°♄51'21	2°09'49
inferior conj	1560 Oct 05 j 16:54	22°♄15'37	-1°13'12	morning rise	1561 Sep 25 j 17:15	0°♄22'00	
minimum elong	1560 Oct 05 j 18:48	22°♄09'38	1°12'24	asc. node	1561 Sep 26 j 03:36	0°♄09'46	
asc. node	1560 Oct 09 j 06:33	18°♄10'10			1561 Sep 26 j 13:24	30°♄♄	
morning rise	1560 Oct 11 j 12:14	16°♄24'00		direct	1561 Sep 28 j 12:47	29°♄38'29	
direct	1560 Oct 14 j 15:51	15°♄27'06			1561 Sep 30 j 12:40	0°♄	
morning max el	1560 Oct 21 j 12:58	19°♄17'16	18°56'12	morning max el	1561 Oct 05 j 02:10	3°♄12'20	18°17'38
	1560 Oct 29 j 20:33	0°♄			1561 Oct 23 j 04:41	0°♄	
morning set	1560 Nov 12 j 13:05	21°♄08'52		morning set	1561 Oct 24 j 02:50	1°♄30'19	
desc. node	1560 Nov 16 j 20:44	27°♄55'41		desc. node	1561 Nov 03 j 17:47	18°♄37'45	
	1560 Nov 18 j 04:26	0°♄					
max. Earth dist.	1560 Nov 27 j 12:38	14°♄39'35	1.44972 AU	superior conj	1561 Nov 08 j 03:15	25°♄35'33	-0°29'03
				minimum elong	1561 Nov 07 j 23:28	25°♄20'41	0°28'32
superior conj	1560 Nov 29 j 01:41	17°♄05'25	-1°15'36	max. Earth dist.	1561 Nov 10 j 07:39	29°♄01'56	1.45081 AU
minimum elong	1560 Nov 28 j 17:11	16°♄31'57	1°14'40		1561 Nov 10 j 22:25	0°♄	
	1560 Dec 07 j 04:58	0°♄		evening rise	1561 Nov 24 j 11:28	21°♄11'33	
evening rise	1560 Dec 14 j 07:06	11°♄25'38			1561 Nov 30 j 02:47	0°♄	
	1560 Dec 25 j 19:44	0°♄		greatest brilliancy	1561 Dec 05 j 20:06	8°♄51'14	-0.7m
evening max el	1561 Jan 03 j 21:49	12°♄17'23	18°40'54	evening max el	1561 Dec 18 j 06:12	25°♄46'09	19°23'50
asc. node	1561 Jan 05 j 05:52	13°♄33'05		asc. node	1561 Dec 23 j 02:53	29°♄24'26	
retrograde	1561 Jan 10 j 13:38	15°♄59'55		retrograde	1561 Dec 25 j 09:59	29°♄53'20	
evening set	1561 Jan 13 j 17:15	15°♄03'41		evening set	1561 Dec 28 j 20:29	28°♄44'13	
inferior conj	1561 Jan 19 j 11:25	9°♄25'49	3°34'05	inferior conj	1562 Jan 03 j 09:27	22°♄50'39	3°10'18
minimum elong	1561 Jan 19 j 09:38	9°♄31'12	3°33'51	minimum elong	1562 Jan 03 j 06:56	22°♄58'48	3°09'46
min. Earth dist.	1561 Jan 21 j 08:40	7°♄09'13	0.65024 AU	min. Earth dist.	1562 Jan 04 j 15:47	21°♄12'26	0.66296 AU
morning rise	1561 Jan 25 j 01:35	3°♄16'44		morning rise	1562 Jan 08 j 17:09	16°♄38'39	
direct	1561 Jan 31 j 19:02	0°♄24'33		direct	1562 Jan 14 j 23:37	13°♄52'04	
desc. node	1561 Feb 12 j 19:57	6°♄56'55		morning max el	1562 Jan 27 j 11:39	21°♄16'37	26°01'29
morning max el	1561 Feb 14 j 02:18	8°♄10'57	27°05'31	desc. node	1562 Jan 30 j 16:58	24°♄44'15	
	1561 Mar 03 j 01:51	0°♄			1562 Feb 04 j 01:46	0°♄	
	1561 Mar 20 j 16:06	0°♄			1562 Feb 24 j 06:30	0°♄	
morning set	1561 Mar 21 j 17:19	2°♄00'59		morning set	1562 Mar 04 j 16:56	14°♄53'41	
max. Earth dist.	1561 Mar 26 j 06:26	11°♄02'11	1.33986 AU	max. Earth dist.	1562 Mar 08 j 14:53	22°♄18'16	1.35473 AU
					1562 Mar 12 j 12:35	0°♄	
superior conj	1561 Mar 30 j 00:32	18°♄47'50	-0°42'53				
minimum elong	1561 Mar 30 j 02:40	18°♄59'05	0°42'27	superior conj	1562 Mar 13 j 20:12	2°♄39'23	-1°10'03
asc. node	1561 Apr 03 j 05:11	27°♄40'04		minimum elong	1562 Mar 13 j 23:38	2°♄56'48	1°09'29

asc. node	1562 Mar 21 j 02:13	17° $\Upsilon$ 34'21		evening rise	1563 Mar 05 j 18:17	2° $\Upsilon$ 52'18	
evening rise	1562 Mar 21 j 16:42	18° $\Upsilon$ 48'37		asc. node	1563 Mar 07 j 23:16	7° $\Upsilon$ 14'11	
	1562 Mar 27 j 08:33	0° $\text{B}$			1563 Mar 22 j 10:29	0° $\text{B}$	
evening max el	1562 Apr 08 j 22:57	18° $\text{B}$ 25'17	20°20'45	evening max el	1563 Mar 22 j 15:20	0° $\text{B}$ 11'50	19°17'43
retrograde	1562 Apr 19 j 17:13	23° $\text{B}$ 37'40		retrograde	1563 Mar 31 j 17:17	4° $\text{B}$ 35'10	
evening set	1562 Apr 21 j 18:44	23° $\text{B}$ 27'01		evening set	1563 Apr 02 j 20:03	4° $\text{B}$ 21'54	
desc. node	1562 Apr 28 j 16:11	20° $\text{B}$ 45'11		inferior conj	1563 Apr 11 j 05:12	0° $\text{B}$ 12'57	1°13'04
inferior conj	1562 Apr 30 j 21:20	19° $\text{B}$ 28'57	-0°38'38	minimum elong	1563 Apr 11 j 08:03	0° $\text{B}$ 08'12	1°12'07
minimum elong	1562 Apr 30 j 19:31	19° $\text{B}$ 31'37	0°37'59		1563 Apr 11 j 12:58	30° $\text{R}\Upsilon$	
min. Earth dist.	1562 May 02 j 10:18	18° $\text{B}$ 34'53	0.55161 AU	min. Earth dist.	1563 Apr 14 j 01:04	28° $\Upsilon$ 20'46	0.56265 AU
morning rise	1562 May 09 j 18:59	15° $\text{B}$ 13'04		desc. node	1563 Apr 15 j 13:12	27° $\Upsilon$ 24'53	
direct	1562 May 13 j 13:50	14° $\text{B}$ 42'03		morning rise	1563 Apr 19 j 17:10	25° $\Upsilon$ 23'38	
morning max el	1562 May 27 j 01:48	21° $\text{B}$ 17'25	23°32'55	direct	1563 Apr 24 j 11:50	24° $\Upsilon$ 31'13	
	1562 Jun 03 j 13:49	0° $\text{II}$			1563 May 06 j 17:58	0° $\text{B}$	
asc. node	1562 Jun 17 j 01:29	23° $\text{II}$ 10'02		morning max el	1563 May 08 j 16:19	1° $\text{B}$ 44'47	25°12'52
morning set	1562 Jun 19 j 18:35	28° $\text{II}$ 46'18			1563 May 28 j 09:43	0° $\text{II}$	
	1562 Jun 20 j 08:33	0° $\text{E}$		asc. node	1563 Jun 03 j 22:33	13° $\text{II}$ 01'38	
				morning set	1563 Jun 04 j 06:26	13° $\text{II}$ 43'08	
superior conj	1562 Jun 26 j 19:52	13° $\text{E}$ 54'45	1°27'00	superior conj	1563 Jun 11 j 05:53	28° $\text{II}$ 49'49	1°10'21
minimum elong	1562 Jun 26 j 17:31	13° $\text{E}$ 42'11	1°26'43	minimum elong	1563 Jun 11 j 03:30	28° $\text{II}$ 36'46	1°09'58
max. Earth dist.	1562 Jun 29 j 03:32	18° $\text{E}$ 52'02	1.33521 AU		1563 Jun 11 j 18:45	0° $\text{E}$	
evening rise	1562 Jul 04 j 08:38	29° $\text{E}$ 37'21		max. Earth dist.	1563 Jun 12 j 10:37	1° $\text{E}$ 26'24	1.32704 AU
	1562 Jul 04 j 13:10	0° $\Omega$		evening rise	1563 Jun 18 j 09:13	14° $\text{E}$ 03'53	
	1562 Jul 21 j 15:31	0° $\text{M}$			1563 Jun 26 j 14:56	0° $\Omega$	
desc. node	1562 Jul 25 j 15:32	5° $\text{M}$ 50'02		desc. node	1563 Jul 12 j 12:33	24° $\Omega$ 36'57	
evening max el	1562 Aug 07 j 06:57	20° $\text{M}$ 55'36	27°22'50		1563 Jul 17 j 00:20	0° $\text{M}$	
retrograde	1562 Aug 20 j 19:57	28° $\text{M}$ 13'40		evening max el	1563 Jul 20 j 15:39	3° $\text{M}$ 45'17	27°20'44
evening set	1562 Aug 27 j 22:59	25° $\text{M}$ 31'47		retrograde	1563 Aug 03 j 10:40	11° $\text{M}$ 01'58	
min. Earth dist.	1562 Aug 31 j 15:49	22° $\text{M}$ 10'14	0.64155 AU	evening set	1563 Aug 10 j 15:27	8° $\text{M}$ 33'43	
inferior conj	1562 Sep 03 j 02:04	19° $\text{M}$ 36'52	-3°07'33	min. Earth dist.	1563 Aug 14 j 05:25	5° $\text{M}$ 40'46	0.62396 AU
minimum elong	1562 Sep 03 j 06:50	19° $\text{M}$ 24'20	3°05'59	inferior conj	1563 Aug 17 j 03:53	2° $\text{M}$ 55'26	-3°58'30
morning rise	1562 Sep 09 j 15:41	14° $\text{M}$ 13'13		minimum elong	1563 Aug 17 j 09:06	2° $\text{M}$ 43'08	3°57'13
direct	1562 Sep 12 j 05:38	13° $\text{M}$ 39'33			1563 Aug 20 j 11:44	30° $\text{R}\Omega$	
asc. node	1562 Sep 13 j 00:40	13° $\text{M}$ 42'46		morning rise	1563 Aug 24 j 04:13	27° $\Omega$ 50'54	
morning max el	1562 Sep 18 j 18:03	17° $\text{M}$ 05'38	17°56'14	direct	1563 Aug 26 j 15:04	27° $\Omega$ 24'03	
	1562 Sep 28 j 00:44	0° $\text{A}$		asc. node	1563 Aug 30 j 21:44	28° $\Omega$ 47'56	
morning set	1562 Oct 05 j 20:18	13° $\text{A}$ 12'28			1563 Sep 01 j 11:45	0° $\text{M}$	
	1562 Oct 15 j 20:00	0° $\text{M}$		morning max el	1563 Sep 02 j 09:43	0° $\text{M}$ 50'50	17°52'51
superior conj	1562 Oct 18 j 19:33	4° $\text{M}$ 52'31	0°18'48	morning set	1563 Sep 18 j 11:38	25° $\text{M}$ 57'31	
minimum elong	1562 Oct 18 j 21:39	5° $\text{M}$ 01'04	0°18'31		1563 Sep 20 j 17:48	0° $\text{A}$	
desc. node	1562 Oct 21 j 14:48	9° $\text{M}$ 24'00		superior conj	1563 Sep 29 j 14:17	15° $\text{A}$ 28'36	0°58'01
max. Earth dist.	1562 Oct 24 j 02:15	13° $\text{M}$ 21'22	1.44458 AU	minimum elong	1563 Sep 29 j 18:53	15° $\text{A}$ 48'07	0°57'26
evening rise	1562 Nov 03 j 22:53	0° $\text{A}$ 19'27		max. Earth dist.	1563 Oct 06 j 17:02	27° $\text{A}$ 18'33	1.43184 AU
	1562 Nov 03 j 17:50	0° $\text{A}$		desc. node	1563 Oct 08 j 11:51	0° $\text{M}$ 11'38	
	1562 Nov 23 j 21:40	0° $\text{Z}$			1563 Oct 08 j 08:57	0° $\text{M}$	
evening max el	1562 Dec 01 j 09:38	9° $\text{Z}$ 15'41	20°21'51	evening rise	1563 Oct 14 j 08:14	9° $\text{M}$ 27'18	
retrograde	1562 Dec 09 j 07:51	13° $\text{Z}$ 55'38			1563 Oct 27 j 22:55	0° $\text{A}$	
asc. node	1562 Dec 09 j 23:55	13° $\text{Z}$ 53'07		evening max el	1563 Nov 14 j 07:21	22° $\text{A}$ 45'54	21°31'55
evening set	1562 Dec 13 j 02:53	12° $\text{Z}$ 32'13		retrograde	1563 Nov 23 j 05:09	28° $\text{A}$ 03'53	
inferior conj	1562 Dec 18 j 12:44	6° $\text{Z}$ 25'45	2°36'40	asc. node	1563 Nov 26 j 20:58	26° $\text{A}$ 49'50	
minimum elong	1562 Dec 18 j 10:05	6° $\text{Z}$ 34'43	2°35'53	evening set	1563 Nov 27 j 10:34	26° $\text{A}$ 24'42	
min. Earth dist.	1562 Dec 19 j 05:43	5° $\text{Z}$ 28'12	0.67163 AU	inferior conj	1563 Dec 02 j 19:04	20° $\text{A}$ 08'43	1°55'21
morning rise	1562 Dec 23 j 17:06	0° $\text{Z}$ 12'33		minimum elong	1563 Dec 02 j 16:47	20° $\text{A}$ 16'38	1°54'31
	1562 Dec 23 j 22:47	30° $\text{R}\text{A}$		min. Earth dist.	1563 Dec 03 j 00:15	19° $\text{A}$ 50'49	0.67656 AU
direct	1562 Dec 29 j 09:30	27° $\text{A}$ 41'24		morning rise	1563 Dec 07 j 22:50	13° $\text{A}$ 56'05	
	1563 Jan 04 j 14:08	0° $\text{Z}$		direct	1563 Dec 13 j 00:06	11° $\text{A}$ 45'45	
morning max el	1563 Jan 09 j 20:13	4° $\text{Z}$ 30'56	24°40'19	morning max el	1563 Dec 23 j 05:28	17° $\text{A}$ 50'19	23°12'03
desc. node	1563 Jan 17 j 14:00	13° $\text{Z}$ 27'48			1564 Jan 02 j 08:30	0° $\text{Z}$	
	1563 Jan 29 j 10:37	0° $\approx$		desc. node	1564 Jan 04 j 11:03	2° $\text{Z}$ 51'36	
morning set	1563 Feb 14 j 21:44	26° $\approx$ 46'49			1564 Jan 22 j 13:16	0° $\approx$	
	1563 Feb 16 j 17:10	0° $\text{H}$		morning set	1564 Jan 27 j 01:27	7° $\approx$ 24'13	
max. Earth dist.	1563 Feb 18 j 13:35	3° $\text{H}$ 21'11	1.37360 AU	max. Earth dist.	1564 Jan 31 j 08:29	14° $\approx$ 42'59	1.39482 AU
superior conj	1563 Feb 25 j 05:22	15° $\text{H}$ 55'20	-1°34'42	superior conj	1564 Feb 07 j 23:58	28° $\approx$ 25'11	-1°53'59
minimum elong	1563 Feb 25 j 09:33	16° $\text{H}$ 15'38	1°34'12	minimum elong	1564 Feb 08 j 03:38	28° $\approx$ 42'08	1°53'43
	1563 Mar 04 j 07:47	0° $\Upsilon$					



	1564 Feb 08 j 20:25	0° $\text{H}$		evening rise	1565 Jan 30 j 16:40	29° $\approx$ 21'43	
evening rise	1564 Feb 17 j 11:26	16° $\text{H}$ 26'00			1565 Jan 31 j 00:59	0° $\text{H}$	
asc. node	1564 Feb 22 j 20:18	26° $\text{H}$ 33'59		asc. node	1565 Feb 08 j 17:20	15° $\text{H}$ 27'04	
	1564 Feb 24 j 18:30	0° $\text{Y}$		evening max el	1565 Feb 16 j 02:07	25° $\text{H}$ 25'45	18°11'51
evening max el	1564 Mar 04 j 17:26	12° $\text{Y}$ 34'44	18°34'46	retrograde	1565 Feb 22 j 23:35	28° $\text{H}$ 53'57	
retrograde	1564 Mar 12 j 11:23	16° $\text{Y}$ 22'22		evening set	1565 Feb 25 j 13:40	28° $\text{H}$ 25'23	
evening set	1564 Mar 14 j 19:43	16° $\text{Y}$ 02'40		inferior conj	1565 Mar 04 j 10:37	23° $\text{H}$ 37'18	3°23'23
inferior conj	1564 Mar 22 j 09:31	11° $\text{Y}$ 35'24	2°35'09	minimum elong	1565 Mar 04 j 13:22	23° $\text{H}$ 31'06	3°22'59
minimum elong	1564 Mar 22 j 13:35	11° $\text{Y}$ 27'30	2°34'08	min. Earth dist.	1565 Mar 07 j 18:54	20° $\text{H}$ 37'25	0.60151 AU
min. Earth dist.	1564 Mar 25 j 19:16	8° $\text{Y}$ 57'55	0.58043 AU	morning rise	1565 Mar 11 j 10:54	17° $\text{H}$ 53'05	
morning rise	1564 Mar 30 j 04:26	6° $\text{Y}$ 13'49		direct	1565 Mar 18 j 01:15	15° $\text{H}$ 50'00	
desc. node	1564 Apr 01 j 10:15	5° $\text{Y}$ 20'37		desc. node	1565 Mar 19 j 07:16	15° $\text{H}$ 54'17	
direct	1564 Apr 05 j 00:17	4° $\text{Y}$ 47'48		morning max el	1565 Apr 01 j 08:07	23° $\text{H}$ 39'52	27°31'06
morning max el	1564 Apr 19 j 09:21	12° $\text{Y}$ 25'22	26°36'40		1565 Apr 07 j 00:56	0° $\text{Y}$	
	1564 May 03 j 03:40	0° $\text{B}$			1565 Apr 26 j 07:19	0° $\text{B}$	
morning set	1564 May 18 j 17:01	28° $\text{B}$ 35'05		morning set	1565 May 03 j 00:38	13° $\text{B}$ 16'26	
	1564 May 19 j 09:07	0° $\text{II}$		asc. node	1565 May 07 j 16:39	23° $\text{B}$ 12'28	
asc. node	1564 May 20 j 19:36	3° $\text{II}$ 03'56		max. Earth dist.	1565 May 09 j 10:10	26° $\text{B}$ 59'07	1.32240 AU
superior conj	1564 May 25 j 17:31	13° $\text{II}$ 47'45	0°49'54	superior conj	1565 May 10 j 05:04	28° $\text{B}$ 42'48	0°26'22
minimum elong	1564 May 25 j 15:33	13° $\text{II}$ 36'53	0°49'31	minimum elong	1565 May 10 j 03:54	28° $\text{B}$ 36'25	0°26'08
max. Earth dist.	1564 May 25 j 21:59	14° $\text{II}$ 12'20	1.32279 AU		1565 May 10 j 19:07	0° $\text{II}$	
evening rise	1564 Jun 01 j 15:42	28° $\text{II}$ 46'38		evening rise	1565 May 17 j 01:50	13° $\text{II}$ 38'13	
	1564 Jun 02 j 05:46	0° $\text{E}$			1565 May 25 j 07:53	0° $\text{E}$	
	1564 Jun 18 j 22:23	0° $\Omega$		evening max el	1565 Jun 13 j 15:24	27° $\text{E}$ 15'44	25°39'16
desc. node	1564 Jun 28 j 09:35	12° $\Omega$ 23'30		desc. node	1565 Jun 15 j 06:35	28° $\text{E}$ 44'51	
evening max el	1564 Jul 01 j 18:57	15° $\Omega$ 53'28	26°45'34		1565 Jun 16 j 19:15	0° $\Omega$	
retrograde	1564 Jul 15 j 18:04	23° $\Omega$ 07'34		retrograde	1565 Jun 27 j 16:03	4° $\Omega$ 25'05	
evening set	1564 Jul 22 j 14:03	21° $\Omega$ 06'51		evening set	1565 Jul 03 j 14:16	3° $\Omega$ 02'05	
min. Earth dist.	1564 Jul 26 j 08:47	18° $\Omega$ 29'11	0.60391 AU	min. Earth dist.	1565 Jul 08 j 03:41	0° $\Omega$ 21'57	0.58342 AU
inferior conj	1564 Jul 29 j 15:23	15° $\Omega$ 47'27	-4°37'48		1565 Jul 08 j 16:19	30° $\text{R}$ $\text{E}$	
minimum elong	1564 Jul 29 j 19:25	15° $\Omega$ 39'06	4°37'15	inferior conj	1565 Jul 11 j 09:04	28° $\text{E}$ 03'49	-4°55'28
morning rise	1564 Aug 06 j 02:43	11° $\Omega$ 04'39		minimum elong	1565 Jul 11 j 09:30	28° $\text{E}$ 03'02	4°55'28
direct	1564 Aug 08 j 13:08	10° $\Omega$ 42'08		morning rise	1565 Jul 19 j 07:08	23° $\text{E}$ 43'24	
morning max el	1564 Aug 15 j 21:59	14° $\Omega$ 18'44	18°08'31	direct	1565 Jul 21 j 19:32	23° $\text{E}$ 23'18	
asc. node	1564 Aug 16 j 18:48	15° $\Omega$ 11'37		morning max el	1565 Jul 30 j 03:37	27° $\text{E}$ 20'21	18°44'32
	1564 Aug 26 j 15:52	0° $\text{M}$			1565 Aug 01 j 14:58	0° $\Omega$	
morning set	1564 Aug 31 j 18:48	9° $\text{M}$ 27'35		asc. node	1565 Aug 03 j 15:51	2° $\Omega$ 38'48	
				morning set	1565 Aug 15 j 13:11	23° $\Omega$ 30'15	
					1565 Aug 18 j 20:57	0° $\text{M}$	
superior conj	1564 Sep 10 j 10:59	27° $\text{M}$ 20'35	1°25'05				
minimum elong	1564 Sep 10 j 15:01	27° $\text{M}$ 38'41	1°24'42	superior conj	1565 Aug 24 j 04:32	10° $\text{M}$ 14'12	1°40'28
	1564 Sep 11 j 22:43	0° $\underline{\Omega}$		minimum elong	1565 Aug 24 j 06:45	10° $\text{M}$ 24'39	1°40'21
max. Earth dist.	1564 Sep 18 j 02:05	10° $\underline{\Omega}$ 37'01	1.41424 AU	max. Earth dist.	1565 Aug 31 j 06:41	23° $\text{M}$ 12'50	1.39411 AU
evening rise	1564 Sep 23 j 08:01	19° $\underline{\Omega}$ 16'30		evening rise	1565 Sep 04 j 07:11	0° $\underline{\Omega}$ 10'52	
desc. node	1564 Sep 24 j 08:54	20° $\underline{\Omega}$ 56'39			1565 Sep 04 j 04:37	0° $\underline{\Omega}$	
	1564 Sep 30 j 03:19	0° $\text{M}$		desc. node	1565 Sep 11 j 05:56	11° $\underline{\Omega}$ 35'21	
	1564 Oct 21 j 10:06	0° $\text{J}$			1565 Sep 23 j 12:42	0° $\text{M}$	
evening max el	1564 Oct 26 j 23:57	6° $\text{J}$ 17'55	22°49'52	evening max el	1565 Oct 09 j 13:13	19° $\text{M}$ 53'31	24°09'54
retrograde	1564 Nov 06 j 00:12	12° $\text{J}$ 14'35		retrograde	1565 Oct 20 j 15:39	26° $\text{M}$ 24'16	
evening set	1564 Nov 10 j 17:51	10° $\text{J}$ 18'35		evening set	1565 Oct 25 j 23:05	24° $\text{M}$ 11'10	
asc. node	1564 Nov 12 j 18:00	8° $\text{J}$ 18'54		min. Earth dist.	1565 Oct 30 j 17:08	18° $\text{M}$ 42'11	0.67609 AU
inferior conj	1564 Nov 16 j 02:30	3° $\text{J}$ 56'53	1°07'55	asc. node	1565 Oct 30 j 15:03	18° $\text{M}$ 49'12	
minimum elong	1564 Nov 16 j 01:00	4° $\text{J}$ 02'06	1°07'17	inferior conj	1565 Oct 31 j 09:14	17° $\text{M}$ 47'51	0°15'39
min. Earth dist.	1564 Nov 15 j 20:53	4° $\text{J}$ 16'19	0.67797 AU	minimum elong	1565 Oct 31 j 08:52	17° $\text{M}$ 49'08	0°15'29
	1564 Nov 19 j 02:56	30° $\text{R}$ $\text{M}$		transit middle	1565 Oct 31 j 08:52	17° $\text{M}$ 49'08	0°15'29
morning rise	1564 Nov 21 j 08:01	27° $\text{M}$ 46'55		transit begin	1565 Oct 31 j 08:01	17° $\text{M}$ 51'58	
direct	1564 Nov 25 j 18:35	25° $\text{M}$ 59'15		transit end	1565 Oct 31 j 09:42	17° $\text{M}$ 46'18	
	1564 Dec 03 j 10:57	0° $\text{J}$		morning rise	1565 Nov 05 j 18:38	11° $\text{M}$ 42'58	
morning max el	1564 Dec 04 j 18:37	1° $\text{J}$ 16'21	21°46'05	direct	1565 Nov 09 j 15:45	10° $\text{M}$ 17'10	
desc. node	1564 Dec 21 j 08:06	22° $\text{J}$ 44'15		morning max el	1565 Nov 17 j 14:41	14° $\text{M}$ 52'19	20°29'18
	1564 Dec 26 j 06:05	0° $\text{Z}$			1565 Nov 29 j 10:37	0° $\text{J}$	
morning set	1565 Jan 06 j 00:01	16° $\text{Z}$ 37'54		desc. node	1565 Dec 08 j 05:09	12° $\text{J}$ 57'25	
max. Earth dist.	1565 Jan 12 j 07:13	26° $\text{Z}$ 53'18	1.41574 AU	morning set	1565 Dec 15 j 23:47	24° $\text{J}$ 51'22	
	1565 Jan 14 j 03:52	0° $\approx$			1565 Dec 19 j 06:55	0° $\text{Z}$	
superior conj	1565 Jan 19 j 23:00	9° $\approx$ 57'17	-2°03'55	max. Earth dist.	1565 Dec 25 j 13:57	10° $\text{Z}$ 00'16	1.43353 AU
minimum elong	1565 Jan 20 j 00:01	10° $\approx$ 01'41	2°03'54				



superior conj	1567 Nov 20 j 20:04	8° $\text{♄}$ 00'31	-0°56'51	morning set	1568 Oct 15 j 21:47	23° $\text{♄}$ 39'54	
minimum elong	1567 Nov 20 j 12:59	7° $\text{♄}$ 32'41	0°55'57		1568 Oct 19 j 17:37	0° $\text{♄}$	
max. Earth dist.	1567 Nov 20 j 21:57	8° $\text{♄}$ 07'55	1.45106 AU	desc. node	1568 Oct 28 j 20:15	14° $\text{♄}$ 47'04	
	1567 Dec 04 j 18:28	0° $\text{♄}$					
evening rise	1567 Dec 06 j 16:09	3° $\text{♄}$ 01'55		superior conj	1568 Oct 30 j 01:37	16° $\text{♄}$ 44'11	-0°08'12
greatest brilliancy	1567 Dec 14 j 22:19	16° $\text{♄}$ 11'25	-0.8m	minimum elong	1568 Oct 30 j 00:35	16° $\text{♄}$ 40'05	0°08'03
	1567 Dec 24 j 02:46	0° $\text{♄}$		behind sun begin	1568 Oct 29 j 15:09	16° $\text{♄}$ 02'29	
evening max el	1567 Dec 28 j 12:57	5° $\text{♄}$ 21'28	18°57'06	behind sun end	1568 Oct 30 j 10:01	17° $\text{♄}$ 17'38	
asc. node	1567 Dec 31 j 08:24	7° $\text{♄}$ 47'15		max. Earth dist.	1568 Nov 02 j 16:35	22° $\text{♄}$ 28'42	1.44897 AU
retrograde	1568 Jan 04 j 09:07	9° $\text{♄}$ 13'45			1568 Nov 07 j 11:37	0° $\text{♄}$	
evening set	1568 Jan 07 j 15:26	8° $\text{♄}$ 12'15		evening rise	1568 Nov 15 j 11:54	12° $\text{♄}$ 27'15	
inferior conj	1568 Jan 13 j 07:05	2° $\text{♄}$ 27'09	3°25'22		1568 Nov 26 j 22:05	0° $\text{♄}$	
minimum elong	1568 Jan 13 j 04:54	2° $\text{♄}$ 33'57	3°25'01	greatest brilliancy	1568 Nov 28 j 17:53	2° $\text{♄}$ 44'35	-0.7m
min. Earth dist.	1568 Jan 14 j 21:47	0° $\text{♄}$ 26'20	0.65611 AU	evening max el	1568 Dec 10 j 19:19	18° $\text{♄}$ 50'07	19°46'52
	1568 Jan 15 j 06:23	30° $\text{♄}$		asc. node	1568 Dec 17 j 05:27	23° $\text{♄}$ 04'45	
morning rise	1568 Jan 18 j 18:03	26° $\text{♄}$ 16'19		retrograde	1568 Dec 18 j 06:26	23° $\text{♄}$ 10'46	
direct	1568 Jan 25 j 07:11	23° $\text{♄}$ 25'15		evening set	1568 Dec 21 j 20:15	21° $\text{♄}$ 55'58	
	1568 Feb 06 j 05:05	0° $\text{♄}$		inferior conj	1568 Dec 27 j 07:39	15° $\text{♄}$ 56'35	2°57'07
morning max el	1568 Feb 07 j 07:25	1° $\text{♄}$ 04'34	26°41'03	minimum elong	1568 Dec 27 j 05:01	16° $\text{♄}$ 05'20	2°56'27
desc. node	1568 Feb 07 j 22:23	1° $\text{♄}$ 42'43		min. Earth dist.	1568 Dec 28 j 08:12	14° $\text{♄}$ 35'20	0.66708 AU
	1568 Feb 28 j 22:41	0° $\text{♄}$		morning rise	1569 Jan 01 j 13:33	9° $\text{♄}$ 43'38	
morning set	1568 Mar 14 j 06:10	24° $\text{♄}$ 56'09		direct	1569 Jan 07 j 14:17	7° $\text{♄}$ 02'26	
	1568 Mar 16 j 21:11	0° $\text{♄}$		morning max el	1569 Jan 19 j 16:24	14° $\text{♄}$ 14'30	25°28'25
max. Earth dist.	1568 Mar 18 j 12:37	3° $\text{♄}$ 14'40	1.34564 AU	desc. node	1569 Jan 24 j 19:26	19° $\text{♄}$ 56'05	
					1569 Feb 01 j 13:17	0° $\text{♄}$	
superior conj	1568 Mar 22 j 21:01	12° $\text{♄}$ 05'22	-0°54'34		1569 Feb 20 j 18:04	0° $\text{♄}$	
minimum elong	1568 Mar 22 j 23:44	12° $\text{♄}$ 19'29	0°54'04	morning set	1569 Feb 24 j 22:34	7° $\text{♄}$ 25'47	
asc. node	1568 Mar 28 j 07:44	23° $\text{♄}$ 29'14		max. Earth dist.	1569 Feb 28 j 16:04	14° $\text{♄}$ 20'04	1.36226 AU
evening rise	1568 Mar 30 j 10:24	27° $\text{♄}$ 53'40					
	1568 Mar 31 j 10:53	0° $\text{♄}$		superior conj	1569 Mar 06 j 12:41	25° $\text{♄}$ 42'56	-1°20'58
evening max el	1568 Apr 18 j 19:29	29° $\text{♄}$ 16'53	21°05'27	minimum elong	1569 Mar 06 j 16:32	26° $\text{♄}$ 02'07	1°20'24
	1568 Apr 19 j 13:51	0° $\text{♄}$			1569 Mar 08 j 15:54	0° $\text{♄}$	
retrograde	1568 Apr 30 j 13:50	5° $\text{♄}$ 00'43		evening rise	1569 Mar 14 j 15:32	12° $\text{♄}$ 10'53	
evening set	1568 May 02 j 19:18	4° $\text{♄}$ 49'07		asc. node	1569 Mar 15 j 04:47	13° $\text{♄}$ 17'52	
desc. node	1568 May 05 j 21:36	3° $\text{♄}$ 57'45			1569 Mar 24 j 03:08	0° $\text{♄}$	
inferior conj	1568 May 12 j 03:52	0° $\text{♄}$ 50'32	-1°48'04	evening max el	1569 Apr 01 j 05:27	10° $\text{♄}$ 41'19	19°51'37
minimum elong	1568 May 11 j 22:49	0° $\text{♄}$ 57'40	1°46'18	retrograde	1569 Apr 11 j 06:07	15° $\text{♄}$ 31'25	
min. Earth dist.	1568 May 12 j 17:15	0° $\text{♄}$ 31'38	0.54925 AU	evening set	1569 Apr 13 j 07:02	15° $\text{♄}$ 20'19	
	1568 May 13 j 15:48	30° $\text{♄}$		inferior conj	1569 Apr 22 j 03:00	11° $\text{♄}$ 19'29	0°11'17
morning rise	1568 May 21 j 02:21	26° $\text{♄}$ 48'29		minimum elong	1569 Apr 22 j 03:30	11° $\text{♄}$ 18'42	0°11'06
direct	1568 May 24 j 10:30	26° $\text{♄}$ 24'22		transit middle	1569 Apr 22 j 03:30	11° $\text{♄}$ 18'42	0°11'06
	1568 Jun 03 j 05:40	0° $\text{♄}$		transit begin	1569 Apr 22 j 00:40	11° $\text{♄}$ 23'04	
morning max el	1568 Jun 06 j 07:12	2° $\text{♄}$ 32'33	22°34'26	transit end	1569 Apr 22 j 06:21	11° $\text{♄}$ 14'20	
asc. node	1568 Jun 24 j 07:00	29° $\text{♄}$ 12'20		desc. node	1569 Apr 22 j 18:38	10° $\text{♄}$ 55'25	
	1568 Jun 24 j 16:40	0° $\text{♄}$		min. Earth dist.	1569 Apr 24 j 07:13	9° $\text{♄}$ 59'34	0.55528 AU
morning set	1568 Jun 28 j 09:08	7° $\text{♄}$ 31'33		morning rise	1569 Apr 30 j 21:41	6° $\text{♄}$ 49'46	
				direct	1569 May 05 j 02:01	6° $\text{♄}$ 11'07	
superior conj	1568 Jul 05 j 12:52	22° $\text{♄}$ 44'47	1°34'34	morning max el	1569 May 18 j 22:48	13° $\text{♄}$ 05'15	24°16'15
minimum elong	1568 Jul 05 j 10:48	22° $\text{♄}$ 33'48	1°34'22		1569 May 31 j 23:42	0° $\text{♄}$	
max. Earth dist.	1568 Jul 08 j 13:49	29° $\text{♄}$ 07'35	1.34163 AU	asc. node	1569 Jun 11 j 04:03	18° $\text{♄}$ 54'50	
	1568 Jul 08 j 23:57	0° $\text{♄}$		morning set	1569 Jun 12 j 20:57	22° $\text{♄}$ 28'04	
evening rise	1568 Jul 13 j 09:18	8° $\text{♄}$ 50'20			1569 Jun 16 j 09:18	0° $\text{♄}$	
	1568 Jul 25 j 02:44	0° $\text{♄}$					
desc. node	1568 Aug 01 j 20:58	12° $\text{♄}$ 02'13		superior conj	1569 Jun 19 j 21:07	7° $\text{♄}$ 35'03	1°20'28
	1568 Aug 16 j 09:09	0° $\text{♄}$		minimum elong	1569 Jun 19 j 18:42	7° $\text{♄}$ 21'56	1°20'07
evening max el	1568 Aug 17 j 01:06	0° $\text{♄}$ 38'44	27°10'07	max. Earth dist.	1569 Jun 21 j 16:40	11° $\text{♄}$ 30'00	1.33127 AU
retrograde	1568 Aug 30 j 09:29	7° $\text{♄}$ 57'25		evening rise	1569 Jun 27 j 05:16	23° $\text{♄}$ 03'29	
evening set	1568 Sep 06 j 08:08	5° $\text{♄}$ 13'05			1569 Jun 30 j 17:33	0° $\text{♄}$	
min. Earth dist.	1568 Sep 10 j 04:02	1° $\text{♄}$ 31'50	0.65010 AU		1569 Jul 18 j 20:08	0° $\text{♄}$	
	1568 Sep 11 j 13:05	30° $\text{♄}$		desc. node	1569 Jul 19 j 17:59	1° $\text{♄}$ 14'56	
inferior conj	1568 Sep 12 j 06:59	29° $\text{♄}$ 09'44	-2°35'30	evening max el	1569 Jul 30 j 11:52	13° $\text{♄}$ 46'48	27°25'53
minimum elong	1568 Sep 12 j 11:04	28° $\text{♄}$ 58'22	2°34'00	retrograde	1569 Aug 13 j 04:07	21° $\text{♄}$ 04'47	
morning rise	1568 Sep 18 j 14:51	23° $\text{♄}$ 36'48		evening set	1569 Aug 20 j 08:43	18° $\text{♄}$ 27'18	
asc. node	1568 Sep 20 j 06:12	23° $\text{♄}$ 04'04		min. Earth dist.	1569 Aug 23 j 23:49	15° $\text{♄}$ 18'45	0.63441 AU
direct	1568 Sep 21 j 07:35	22° $\text{♄}$ 58'04		inferior conj	1569 Aug 26 j 15:24	12° $\text{♄}$ 38'49	-3°30'09
morning max el	1568 Sep 27 j 19:53	26° $\text{♄}$ 27'49	18°06'24	minimum elong	1569 Aug 26 j 20:30	12° $\text{♄}$ 25'58	3°28'39
	1568 Sep 30 j 21:05	0° $\text{♄}$		morning rise	1569 Sep 02 j 09:29	7° $\text{♄}$ 22'42	

direct	1569 Sep 04 j 21:42	6° $\mathbb{M}$ 52'21		morning rise	1570 Aug 16 j 16:33	20° $\Omega$ 51'15	
asc. node	1569 Sep 07 j 03:16	7° $\mathbb{M}$ 16'49		direct	1570 Aug 19 j 02:59	20° $\Omega$ 26'24	
morning max el	1569 Sep 11 j 12:01	10° $\mathbb{M}$ 18'05	17°52'28	asc. node	1570 Aug 25 j 00:20	22° $\Omega$ 56'43	
	1569 Sep 24 j 16:45	0° $\underline{\Omega}$		morning max el	1570 Aug 26 j 02:31	23° $\Omega$ 56'11	17°57'03
morning set	1569 Sep 28 j 01:20	5° $\underline{\Omega}$ 50'50			1570 Aug 30 j 23:43	0° $\mathbb{M}$	
				morning set	1570 Sep 11 j 00:04	18° $\mathbb{M}$ 56'47	
superior conj	1569 Oct 10 j 04:32	26° $\underline{\Omega}$ 32'45	0°36'50		1570 Sep 17 j 02:11	0° $\underline{\Omega}$	
minimum elong	1569 Oct 10 j 08:10	26° $\underline{\Omega}$ 47'47	0°36'20				
	1569 Oct 12 j 06:54	0° $\mathbb{M}$		superior conj	1570 Sep 21 j 10:43	7° $\underline{\Omega}$ 41'46	1°11'02
desc. node	1569 Oct 15 j 17:18	5° $\mathbb{M}$ 34'06		minimum elong	1570 Sep 21 j 15:20	8° $\underline{\Omega}$ 01'51	1°10'30
max. Earth dist.	1569 Oct 16 j 09:28	6° $\mathbb{M}$ 38'58	1.43986 AU	max. Earth dist.	1570 Sep 28 j 22:21	20° $\underline{\Omega}$ 22'34	1.42485 AU
evening rise	1569 Oct 25 j 20:12	21° $\mathbb{M}$ 29'17		desc. node	1570 Oct 02 j 14:20	26° $\underline{\Omega}$ 20'42	
	1569 Oct 31 j 09:53	0° $\mathbb{X}$			1570 Oct 04 j 21:17	0° $\mathbb{M}$	
	1569 Nov 21 j 17:12	0° $\mathbb{Z}$		evening rise	1570 Oct 05 j 09:59	0° $\mathbb{M}$ 50'15	
evening max el	1569 Nov 23 j 20:26	2° $\mathbb{Z}$ 20'08	20°50'32		1570 Oct 24 j 23:33	0° $\mathbb{X}$	
retrograde	1569 Dec 02 j 04:10	7° $\mathbb{Z}$ 15'39		evening max el	1570 Nov 06 j 15:55	15° $\mathbb{X}$ 50'56	22°04'31
asc. node	1569 Dec 04 j 02:30	6° $\mathbb{Z}$ 54'47		retrograde	1570 Nov 16 j 00:33	21° $\mathbb{X}$ 24'59	
evening set	1569 Dec 06 j 03:23	5° $\mathbb{Z}$ 45'50		evening set	1570 Nov 20 j 11:04	19° $\mathbb{X}$ 38'37	
	1569 Dec 11 j 05:14	30° $\mathbb{R}$ $\mathbb{X}$		asc. node	1570 Nov 20 j 23:33	19° $\mathbb{X}$ 11'53	
inferior conj	1569 Dec 11 j 12:29	29° $\mathbb{X}$ 35'11	2°20'00	inferior conj	1570 Nov 25 j 19:28	13° $\mathbb{X}$ 19'55	1°35'53
minimum elong	1569 Dec 11 j 09:56	29° $\mathbb{X}$ 43'56	2°19'10	minimum elong	1570 Nov 25 j 17:27	13° $\mathbb{X}$ 26'52	1°35'06
min. Earth dist.	1569 Dec 12 j 00:22	28° $\mathbb{X}$ 54'27	0.67415 AU	min. Earth dist.	1570 Nov 25 j 19:56	13° $\mathbb{X}$ 18'17	0.67759 AU
morning rise	1569 Dec 16 j 16:17	23° $\mathbb{X}$ 22'01		morning rise	1570 Nov 30 j 23:43	7° $\mathbb{X}$ 08'26	
direct	1569 Dec 22 j 02:24	20° $\mathbb{X}$ 58'58		direct	1570 Dec 05 j 18:42	5° $\mathbb{X}$ 07'39	
morning max el	1570 Jan 02 j 00:42	27° $\mathbb{X}$ 30'04	24°03'03	morning max el	1570 Dec 15 j 11:04	10° $\mathbb{X}$ 51'08	22°34'48
	1570 Jan 04 j 09:06	0° $\mathbb{Z}$		desc. node	1570 Dec 29 j 13:32	28° $\mathbb{X}$ 35'09	
desc. node	1570 Jan 11 j 16:29	8° $\mathbb{Z}$ 58'20			1570 Dec 30 j 13:27	0° $\mathbb{Z}$	
	1570 Jan 26 j 05:41	0° $\approx$		morning set	1571 Jan 18 j 08:47	28° $\mathbb{Z}$ 49'06	
morning set	1570 Feb 06 j 17:28	18° $\approx$ 48'36			1571 Jan 19 j 02:04	0° $\approx$	
max. Earth dist.	1570 Feb 10 j 11:56	25° $\approx$ 25'33	1.38245 AU	max. Earth dist.	1571 Jan 23 j 08:07	7° $\approx$ 07'01	1.40396 AU
	1570 Feb 13 j 00:39	0° $\mathbb{X}$					
superior conj	1570 Feb 17 j 16:17	8° $\mathbb{X}$ 41'09	-1°43'45	superior conj	1571 Jan 31 j 03:10	20° $\approx$ 47'28	-1°59'37
minimum elong	1570 Feb 17 j 20:27	9° $\mathbb{X}$ 00'58	1°43'19	minimum elong	1571 Jan 31 j 06:00	21° $\approx$ 00'20	1°59'28
evening rise	1570 Feb 26 j 13:55	26° $\mathbb{X}$ 02'46			1571 Feb 05 j 03:18	0° $\mathbb{X}$	
	1570 Feb 28 j 14:30	0° $\mathbb{Y}$		evening rise	1571 Feb 10 j 02:24	9° $\mathbb{X}$ 20'51	
asc. node	1570 Mar 02 j 01:50	2° $\mathbb{Y}$ 50'00		asc. node	1571 Feb 16 j 22:52	21° $\mathbb{X}$ 58'59	
evening max el	1570 Mar 15 j 02:26	22° $\mathbb{Y}$ 44'45	18°57'01		1571 Feb 21 j 22:21	0° $\mathbb{Y}$	
retrograde	1570 Mar 23 j 13:07	26° $\mathbb{Y}$ 50'27		evening max el	1571 Feb 26 j 07:39	5° $\mathbb{Y}$ 19'55	18°22'34
evening set	1570 Mar 25 j 18:18	26° $\mathbb{Y}$ 34'42		retrograde	1571 Mar 05 j 15:23	8° $\mathbb{Y}$ 57'25	
inferior conj	1570 Apr 02 j 19:07	22° $\mathbb{Y}$ 18'38	1°52'04	evening set	1571 Mar 08 j 02:18	8° $\mathbb{Y}$ 34'03	
minimum elong	1570 Apr 02 j 22:55	22° $\mathbb{Y}$ 11'54	1°50'54	inferior conj	1571 Mar 15 j 08:27	3° $\mathbb{Y}$ 57'38	2°59'32
min. Earth dist.	1570 Apr 05 j 23:06	20° $\mathbb{Y}$ 05'02	0.56965 AU	minimum elong	1571 Mar 15 j 12:09	3° $\mathbb{Y}$ 49'57	2°58'45
desc. node	1570 Apr 09 j 15:40	17° $\mathbb{Y}$ 52'27		min. Earth dist.	1571 Mar 18 j 18:57	1° $\mathbb{Y}$ 07'53	0.58922 AU
morning rise	1570 Apr 11 j 00:27	17° $\mathbb{Y}$ 15'06			1571 Mar 20 j 07:10	30° $\mathbb{R}$ $\mathbb{X}$	
direct	1570 Apr 16 j 06:31	16° $\mathbb{Y}$ 09'22		morning rise	1571 Mar 22 j 19:23	28° $\mathbb{X}$ 25'21	
morning max el	1570 Apr 30 j 13:34	23° $\mathbb{Y}$ 34'13	25°51'12	desc. node	1571 Mar 27 j 12:41	26° $\mathbb{X}$ 49'27	
	1570 May 06 j 08:43	0° $\mathbb{B}$		direct	1571 Mar 29 j 00:08	26° $\mathbb{X}$ 43'41	
	1570 May 24 j 18:10	0° $\mathbb{I}$			1571 Apr 07 j 01:17	0° $\mathbb{Y}$	
morning set	1570 May 28 j 08:28	7° $\mathbb{I}$ 23'15		morning max el	1571 Apr 12 j 08:48	4° $\mathbb{Y}$ 26'45	27°04'05
asc. node	1570 May 29 j 01:07	8° $\mathbb{I}$ 51'23			1571 May 01 j 02:29	0° $\mathbb{B}$	
				morning set	1571 May 12 j 18:02	22° $\mathbb{B}$ 11'28	
superior conj	1570 Jun 04 j 08:03	22° $\mathbb{I}$ 31'49	1°02'06	asc. node	1571 May 15 j 22:10	28° $\mathbb{B}$ 56'47	
minimum elong	1570 Jun 04 j 05:47	22° $\mathbb{I}$ 19'24	1°01'42		1571 May 16 j 09:51	0° $\mathbb{I}$	
max. Earth dist.	1570 Jun 05 j 02:07	24° $\mathbb{I}$ 10'52	1.32487 AU	superior conj	1571 May 19 j 19:50	7° $\mathbb{I}$ 29'01	0°40'15
	1570 Jun 07 j 18:17	0° $\mathbb{S}$		minimum elong	1571 May 19 j 18:10	7° $\mathbb{I}$ 19'48	0°39'55
evening rise	1570 Jun 11 j 08:43	7° $\mathbb{S}$ 38'00		max. Earth dist.	1571 May 19 j 14:30	6° $\mathbb{I}$ 59'40	1.32220 AU
	1570 Jun 23 j 04:40	0° $\Omega$		evening rise	1571 May 26 j 17:01	22° $\mathbb{I}$ 25'23	
desc. node	1570 Jul 06 j 15:00	19° $\Omega$ 38'22			1571 May 30 j 09:34	0° $\mathbb{S}$	
evening max el	1570 Jul 12 j 18:50	26° $\Omega$ 20'35	27°09'49		1571 Jun 17 j 13:33	0° $\Omega$	
	1570 Jul 17 j 04:13	0° $\mathbb{M}$		desc. node	1571 Jun 23 j 12:00	6° $\Omega$ 52'20	
retrograde	1570 Jul 26 j 15:39	3° $\mathbb{M}$ 35'16		evening max el	1571 Jun 24 j 19:19	8° $\Omega$ 09'28	26°20'43
evening set	1570 Aug 02 j 18:06	1° $\mathbb{M}$ 17'30		retrograde	1571 Jul 08 j 19:01	15° $\Omega$ 21'27	
	1570 Aug 04 j 14:12	30° $\mathbb{R}$ $\Omega$		evening set	1571 Jul 15 j 07:41	13° $\Omega$ 35'47	
min. Earth dist.	1570 Aug 06 j 09:04	28° $\Omega$ 32'46	0.61569 AU	min. Earth dist.	1571 Jul 19 j 08:16	10° $\Omega$ 59'38	0.59516 AU
inferior conj	1570 Aug 09 j 11:34	25° $\Omega$ 47'09	-4°17'06	inferior conj	1571 Jul 22 j 15:56	8° $\Omega$ 25'29	-4°48'41
minimum elong	1570 Aug 09 j 16:32	25° $\Omega$ 36'02	4°16'06	minimum elong	1571 Jul 22 j 18:45	8° $\Omega$ 20'00	4°48'26





























































































































morning rise	1571 Jul 30 j 07:54	3°♌52'23		minimum elong	1572 Jul 02 j 23:26	20°♊26'41	4°53'07
direct	1571 Aug 01 j 19:04	3°♌30'58		morning rise	1572 Jul 11 j 03:43	16°♊12'46	
morning max el	1571 Aug 09 j 12:22	7°♌14'22	18°21'18	direct	1572 Jul 13 j 17:29	15°♊53'25	
asc. node	1571 Aug 11 j 21:23	9°♌49'31		morning max el	1572 Jul 22 j 14:24	20°♊02'37	19°06'21
	1571 Aug 24 j 02:23	0°♍		asc. node	1572 Jul 28 j 18:25	27°♊39'27	
morning set	1571 Aug 25 j 12:32	2°♍42'34			1572 Jul 30 j 06:22	0°♌	
				morning set	1572 Aug 08 j 10:35	16°♌56'14	
superior conj	1571 Sep 03 j 17:04	20°♍02'42	1°32'57		1572 Aug 15 j 01:00	0°♍	
minimum elong	1571 Sep 03 j 20:23	20°♍17'57	1°32'41				
	1571 Sep 09 j 06:22	0°♎		superior conj	1572 Aug 16 j 17:50	3°♍18'21	1°43'54
max. Earth dist.	1571 Sep 11 j 05:42	3°♎25'03	1.40584 AU	minimum elong	1572 Aug 16 j 19:12	3°♍24'57	1°43'50
evening rise	1571 Sep 15 j 19:16	11°♎06'03		max. Earth dist.	1572 Aug 23 j 09:08	15°♍43'22	1.38537 AU
desc. node	1571 Sep 19 j 11:22	17°♎03'41		evening rise	1572 Aug 27 j 04:45	22°♍29'21	
	1571 Sep 27 j 20:18	0°♏			1572 Aug 31 j 15:01	0°♎	
evening max el	1571 Oct 20 j 06:45	29°♏24'08	23°23'58	desc. node	1572 Sep 05 j 08:23	7°♎38'20	
	1571 Oct 20 j 21:18	0°♐			1572 Sep 20 j 17:36	0°♏	
retrograde	1571 Oct 30 j 18:11	5°♐36'06		evening max el	1572 Oct 01 j 19:02	13°♏00'39	24°42'47
evening set	1571 Nov 04 j 17:40	3°♐32'29		retrograde	1572 Oct 13 j 08:02	19°♏44'19	
asc. node	1571 Nov 07 j 20:35	0°♐11'01		evening set	1572 Oct 18 j 21:33	17°♏24'07	
	1571 Nov 08 j 00:02	30°♑		min. Earth dist.	1572 Oct 23 j 12:02	12°♏09'46	0.67427 AU
min. Earth dist.	1571 Nov 09 j 16:37	27°♑44'24	0.67761 AU	inferior conj	1572 Oct 24 j 08:43	11°♏01'02	-0°07'40
inferior conj	1571 Nov 10 j 02:48	27°♑09'30	0°46'14	minimum elong	1572 Oct 24 j 08:54	11°♏00'25	0°07'36
minimum elong	1571 Nov 10 j 01:43	27°♑13'10	0°45'47	transit middle	1572 Oct 24 j 08:54	11°♏00'25	0°07'36
morning rise	1571 Nov 15 j 09:44	21°♑01'36		transit begin	1572 Oct 24 j 06:28	11°♏08'30	
direct	1571 Nov 19 j 14:19	19°♑23'42		transit end	1572 Oct 24 j 11:20	10°♏52'20	
morning max el	1571 Nov 28 j 03:02	24°♑21'43	21°12'01	asc. node	1572 Oct 24 j 17:36	10°♏31'32	
	1571 Dec 03 j 01:32	0°♒		morning rise	1572 Oct 29 j 20:21	4°♏59'07	
desc. node	1571 Dec 16 j 10:36	18°♒37'15		direct	1572 Nov 02 j 12:09	3°♏42'07	
	1571 Dec 23 j 23:40	0°♓		morning max el	1572 Nov 10 j 02:33	8°♏02'49	20°00'28
morning set	1571 Dec 28 j 19:52	7°♓31'17			1572 Nov 26 j 09:49	0°♒	
max. Earth dist.	1572 Jan 05 j 10:18	19°♓42'33	1.42387 AU	desc. node	1572 Dec 02 j 07:39	8°♒57'19	
	1572 Jan 11 j 14:18	0°♈		morning set	1572 Dec 06 j 16:05	15°♒38'39	
					1572 Dec 15 j 20:25	0°♓	
superior conj	1572 Jan 12 j 16:06	1°♈50'05	-2°04'07	max. Earth dist.	1572 Dec 17 j 19:55	3°♓08'52	1.43947 AU
minimum elong	1572 Jan 12 j 15:12	1°♈46'14	2°04'07				
evening rise	1572 Jan 24 j 01:17	21°♈57'17		superior conj	1572 Dec 23 j 03:01	11°♓41'24	-1°52'24
	1572 Jan 28 j 12:42	0°♉		minimum elong	1572 Dec 22 j 20:47	11°♓16'00	1°52'01
asc. node	1572 Feb 03 j 19:53	10°♉37'38			1573 Jan 03 j 02:01	0°♈	
evening max el	1572 Feb 09 j 17:58	18°♉18'35	18°07'59	evening rise	1573 Jan 05 j 06:19	3°♈44'01	
retrograde	1572 Feb 16 j 10:21	21°♉43'41		asc. node	1573 Jan 20 j 16:53	28°♈36'59	
evening set	1572 Feb 19 j 02:32	21°♉11'02			1573 Jan 21 j 20:04	0°♉	
inferior conj	1572 Feb 25 j 17:25	16°♉13'49	3°34'53	evening max el	1573 Jan 23 j 06:29	1°♉33'32	18°12'42
minimum elong	1572 Feb 25 j 19:18	16°♉09'18	3°34'41	retrograde	1573 Jan 29 j 17:37	4°♉59'52	
min. Earth dist.	1572 Feb 28 j 21:41	13°♉12'06	0.61057 AU	evening set	1573 Feb 01 j 14:50	4°♉16'48	
morning rise	1572 Mar 03 j 10:18	10°♉22'27			1573 Feb 06 j 19:45	30°♊	
direct	1572 Mar 10 j 05:10	8°♉05'31		inferior conj	1573 Feb 07 j 18:13	28°♊59'45	3°45'00
desc. node	1572 Mar 13 j 09:44	8°♉33'38		minimum elong	1573 Feb 07 j 18:06	29°♊00'05	3°45'00
morning max el	1572 Mar 24 j 10:24	15°♉58'41	27°43'34	min. Earth dist.	1573 Feb 10 j 09:17	26°♊09'35	0.63081 AU
	1572 Apr 04 j 22:07	0°♊		morning rise	1573 Feb 13 j 20:24	22°♊57'29	
	1572 Apr 22 j 15:02	0°♋		direct	1573 Feb 20 j 19:28	20°♊15'41	
morning set	1572 Apr 25 j 23:46	6°♋45'50		desc. node	1573 Feb 28 j 06:47	22°♊50'13	
asc. node	1572 May 01 j 19:11	19°♋06'05		morning max el	1573 Mar 06 j 17:09	28°♊11'09	27°45'39
max. Earth dist.	1572 May 02 j 01:52	19°♋42'23	1.32332 AU		1573 Mar 08 j 11:11	0°♉	
					1573 Mar 29 j 16:23	0°♊	
superior conj	1572 May 03 j 06:47	22°♋20'17	0°15'38	morning set	1573 Apr 09 j 23:28	20°♊59'07	
minimum elong	1572 May 03 j 06:04	22°♋16'23	0°15'29		1573 Apr 14 j 08:28	0°♋	
behind sun begin	1572 May 03 j 04:59	22°♋10'25		max. Earth dist.	1573 Apr 15 j 08:13	2°♋05'43	1.32852 AU
behind sun end	1572 May 03 j 07:09	22°♋22'20					
	1572 May 06 j 18:46	0°♌		superior conj	1573 Apr 17 j 15:10	7°♋00'03	-0°11'00
evening rise	1572 May 10 j 04:01	7°♌17'45		minimum elong	1573 Apr 17 j 15:42	7°♋02'55	0°10'53
	1572 May 22 j 00:54	0°♍		behind sun begin	1573 Apr 17 j 11:51	6°♋42'08	
evening max el	1572 Jun 05 j 12:41	19°♍12'28	25°03'34	behind sun end	1573 Apr 17 j 19:34	7°♋23'43	
desc. node	1572 Jun 09 j 09:00	22°♍27'59		asc. node	1573 Apr 18 j 16:13	9°♋15'20	
retrograde	1572 Jun 19 j 12:31	26°♍19'12		evening rise	1573 Apr 24 j 15:50	22°♋08'51	
evening set	1572 Jun 24 j 21:49	25°♍12'32			1573 Apr 28 j 11:12	0°♌	
min. Earth dist.	1572 Jun 30 j 00:15	22°♍26'16	0.57518 AU	evening max el	1573 May 18 j 02:37	29°♌46'43	23°30'07
inferior conj	1572 Jul 03 j 01:10	20°♍23'44	-4°53'13		1573 May 18 j 08:10	0°♍	



























































































































desc. node	1573 May 27 j 05:59	5°♄49'57		evening max el	1574 Apr 29 j 20:02	10°♄20'59	21°55'21
retrograde	1573 May 31 j 17:43	6°♄35'46		retrograde	1574 May 12 j 10:39	16°♄32'46	
evening set	1573 Jun 04 j 15:18	6°♄02'22		desc. node	1574 May 14 j 03:01	16°♄26'24	
min. Earth dist.	1573 Jun 11 j 12:54	2°♄51'09	0.55910 AU	evening set	1574 May 15 j 02:22	16°♄17'04	
inferior conj	1573 Jun 13 j 14:21	1°♄37'28	-4°16'46	min. Earth dist.	1574 May 24 j 00:45	12°♄28'44	0.55024 AU
minimum elong	1573 Jun 13 j 07:42	1°♄47'25	4°15'31	inferior conj	1574 May 24 j 12:03	12°♄12'55	-2°52'51
	1573 Jun 16 j 09:48	30°♄11'52		minimum elong	1574 May 24 j 04:44	12°♄23'10	2°50'36
morning rise	1573 Jun 22 j 02:45	27°♄41'52		morning rise	1574 Jun 02 j 08:25	8°♄18'54	
direct	1573 Jun 24 j 20:41	27°♄23'11		direct	1574 Jun 05 j 09:45	7°♄58'12	
	1573 Jul 02 j 12:42	0°♄		morning max el	1574 Jun 17 j 10:00	13°♄36'15	21°38'30
morning max el	1573 Jul 05 j 05:57	2°♄11'45	20°12'38		1574 Jun 29 j 13:53	0°♄	
asc. node	1573 Jul 15 j 15:29	16°♄13'35		asc. node	1574 Jul 02 j 12:32	5°♄20'47	
	1573 Jul 22 j 21:28	0°♄		morning set	1574 Jul 08 j 00:08	16°♄17'26	
morning set	1573 Jul 23 j 15:13	1°♄30'05			1574 Jul 14 j 12:36	0°♄	
superior conj	1573 Jul 31 j 07:58	17°♄14'18	1°45'47	superior conj	1574 Jul 15 j 07:26	1°♄38'34	1°40'23
minimum elong	1573 Jul 31 j 07:35	17°♄12'22	1°45'46	minimum elong	1574 Jul 15 j 05:49	1°♄30'06	1°40'17
max. Earth dist.	1573 Aug 05 j 14:26	27°♄36'19	1.36599 AU	max. Earth dist.	1574 Jul 19 j 03:11	9°♄30'07	1.34945 AU
	1573 Aug 06 j 20:40	0°♄		evening rise	1574 Jul 23 j 13:34	18°♄13'45	
evening rise	1573 Aug 09 j 12:24	4°♄56'02			1574 Jul 29 j 23:30	0°♄	
desc. node	1573 Aug 23 j 05:22	27°♄59'54		desc. node	1574 Aug 10 j 02:22	18°♄02'14	
	1573 Aug 24 j 12:44	0°♄			1574 Aug 18 j 17:21	0°♄	
evening max el	1573 Sep 14 j 06:56	26°♄39'54	25°53'35	evening max el	1574 Aug 27 j 19:16	10°♄16'13	26°48'37
	1573 Sep 18 j 01:58	0°♄		retrograde	1574 Sep 09 j 20:53	17°♄31'32	
retrograde	1573 Sep 26 j 17:07	3°♄44'42		evening set	1574 Sep 16 j 13:37	14°♄48'45	
evening set	1573 Oct 02 j 20:53	1°♄10'35		min. Earth dist.	1574 Sep 20 j 13:22	10°♄46'43	0.65754 AU
	1573 Oct 04 j 03:16	30°♄11'52		inferior conj	1574 Sep 22 j 08:59	8°♄38'50	-2°02'25
min. Earth dist.	1573 Oct 07 j 03:46	26°♄31'45	0.66763 AU	minimum elong	1574 Sep 22 j 12:13	8°♄29'20	2°01'09
inferior conj	1573 Oct 08 j 11:26	24°♄51'54	-1°04'28	morning rise	1574 Sep 28 j 11:26	2°♄57'31	
minimum elong	1573 Oct 08 j 13:06	24°♄46'37	1°03'45	asc. node	1574 Sep 28 j 11:45	2°♄57'06	
asc. node	1573 Oct 11 j 14:40	21°♄10'15		direct	1574 Oct 01 j 08:04	2°♄12'11	
morning rise	1573 Oct 14 j 05:38	18°♄58'40		morning max el	1574 Oct 07 j 22:06	5°♄47'43	18°22'21
direct	1573 Oct 17 j 10:42	17°♄59'21			1574 Oct 24 j 12:35	0°♄	
morning max el	1573 Oct 24 j 09:28	21°♄52'36	19°03'21	morning set	1574 Oct 27 j 07:49	4°♄32'19	
	1573 Oct 30 j 22:34	0°♄		desc. node	1574 Nov 06 j 01:42	20°♄10'48	
morning set	1573 Nov 15 j 22:25	24°♄23'42		superior conj	1574 Nov 11 j 14:58	28°♄57'38	-0°36'28
desc. node	1573 Nov 19 j 04:41	29°♄29'45		minimum elong	1574 Nov 11 j 10:14	28°♄39'00	0°35'51
	1573 Nov 19 j 12:25	0°♄			1574 Nov 12 j 06:49	0°♄	
max. Earth dist.	1573 Nov 30 j 11:36	17°♄11'42	1.44892 AU	max. Earth dist.	1574 Nov 13 j 06:44	1°♄34'00	1.45114 AU
superior conj	1573 Dec 02 j 13:50	20°♄29'51	-1°21'45	evening rise	1574 Nov 27 j 21:01	24°♄27'17	
minimum elong	1573 Dec 02 j 05:08	19°♄55'28	1°20'50		1574 Dec 01 j 09:46	0°♄	
	1573 Dec 08 j 13:20	0°♄		greatest brilliancy	1574 Dec 08 j 11:47	11°♄03'26	-0.8m
evening rise	1573 Dec 17 j 13:21	14°♄33'39		evening max el	1574 Dec 21 j 03:24	28°♄25'32	19°16'24
	1573 Dec 27 j 00:44	0°♄			1574 Dec 22 j 19:28	0°♄	
evening max el	1574 Jan 06 j 18:24	14°♄57'20	18°35'55	asc. node	1574 Dec 25 j 11:00	1°♄47'23	
asc. node	1574 Jan 07 j 13:56	15°♄44'50		retrograde	1574 Dec 28 j 04:57	2°♄28'31	
retrograde	1574 Jan 13 j 08:57	18°♄36'50		evening set	1574 Dec 31 j 14:21	1°♄21'21	
evening set	1574 Jan 16 j 11:43	17°♄42'18			1575 Jan 02 j 06:45	30°♄11'52	
inferior conj	1574 Jan 22 j 06:51	12°♄06'55	3°36'36	inferior conj	1575 Jan 06 j 03:55	25°♄29'49	3°14'36
minimum elong	1574 Jan 22 j 05:14	12°♄11'44	3°36'25	minimum elong	1575 Jan 06 j 01:29	25°♄37'39	3°14'06
min. Earth dist.	1574 Jan 24 j 06:23	9°♄45'18	0.64803 AU	min. Earth dist.	1575 Jan 07 j 12:21	23°♄45'45	0.66133 AU
morning rise	1574 Jan 27 j 22:18	5°♄58'36		morning rise	1575 Jan 11 j 12:23	19°♄18'05	
direct	1574 Feb 03 j 17:00	3°♄06'47		direct	1575 Jan 17 j 20:40	16°♄30'09	
desc. node	1574 Feb 15 j 03:50	9°♄03'05		morning max el	1575 Jan 30 j 12:03	23°♄58'43	26°12'20
morning max el	1574 Feb 17 j 02:26	10°♄54'44	27°12'57	desc. node	1575 Feb 02 j 00:54	26°♄40'01	
	1574 Mar 04 j 05:35	0°♄			1575 Feb 04 j 21:53	0°♄	
	1574 Mar 22 j 03:24	0°♄			1575 Feb 25 j 14:52	0°♄	
morning set	1574 Mar 24 j 14:11	4°♄41'19		morning set	1575 Mar 07 j 16:09	17°♄41'27	
max. Earth dist.	1574 Mar 29 j 05:48	13°♄58'23	1.33811 AU	max. Earth dist.	1575 Mar 11 j 16:11	25°♄19'20	1.35228 AU
					1575 Mar 14 j 01:06	0°♄	
superior conj	1574 Apr 01 j 19:01	21°♄21'15	-0°38'40	superior conj	1575 Mar 16 j 15:58	5°♄17'08	-1°06'03
minimum elong	1574 Apr 01 j 20:57	21°♄31'25	0°38'17	minimum elong	1575 Mar 16 j 19:14	5°♄33'46	1°05'29
asc. node	1574 Apr 05 j 13:14	29°♄19'53		asc. node	1575 Mar 23 j 10:17	19°♄15'48	
	1574 Apr 05 j 20:47	0°♄		evening rise	1575 Mar 24 j 10:30	21°♄20'35	
evening rise	1574 Apr 09 j 02:38	6°♄51'45			1575 Mar 28 j 18:07	0°♄	
	1574 Apr 21 j 13:56	0°♄					

evening max el	1575 Apr 11 j 23:08	21°♄22'39	20°31'42	evening rise	1576 Mar 07 j 13:07	5°♄28'19	
retrograde	1575 Apr 22 j 23:42	26°♄43'17		asc. node	1576 Mar 09 j 07:21	8°♄58'27	
evening set	1575 Apr 25 j 01:49	26°♄32'34			1576 Mar 21 j 19:09	0°♄	
desc. node	1575 May 01 j 00:04	24°♄23'37		evening max el	1576 Mar 24 j 13:56	3°♄04'01	19°25'53
inferior conj	1575 May 04 j 06:20	22°♄34'46	-0°56'54	retrograde	1576 Apr 02 j 21:40	7°♄34'03	
minimum elong	1575 May 04 j 03:39	22°♄38'40	0°55'54	evening set	1576 Apr 04 j 23:40	7°♄21'32	
min. Earth dist.	1575 May 05 j 13:24	21°♄49'51	0.55071 AU	inferior conj	1576 Apr 13 j 11:45	3°♄14'58	0°57'42
morning rise	1575 May 13 j 04:32	18°♄23'05		minimum elong	1576 Apr 13 j 14:06	3°♄11'09	0°56'53
direct	1575 May 16 j 20:19	17°♄54'15		min. Earth dist.	1576 Apr 16 j 04:04	1°♄30'50	0.56047 AU
morning max el	1575 May 30 j 04:46	24°♄22'41	23°17'45	desc. node	1576 Apr 16 j 21:06	1°♄04'22	
	1575 Jun 04 j 08:00	0°♄			1576 Apr 18 j 17:41	30°♄	
asc. node	1575 Jun 19 j 09:34	24°♄52'31		morning rise	1576 Apr 22 j 01:42	28°♄30'42	
	1575 Jun 21 j 21:34	0°♄		direct	1576 Apr 26 j 16:29	27°♄42'18	
morning set	1575 Jun 22 j 11:23	1°♄12'21			1576 May 04 j 12:05	0°♄	
				morning max el	1576 May 10 j 19:30	4°♄51'30	24°58'35
superior conj	1575 Jun 29 j 13:11	16°♄21'38	1°29'08		1576 May 28 j 18:41	0°♄	
minimum elong	1575 Jun 29 j 10:54	16°♄09'24	1°28'53	asc. node	1576 Jun 05 j 06:37	14°♄42'10	
max. Earth dist.	1575 Jul 02 j 01:16	21°♄41'09	1.33671 AU	morning set	1576 Jun 05 j 23:17	16°♄09'44	
	1575 Jul 06 j 01:52	0°♄			1576 Jun 12 j 08:52	0°♄	
evening rise	1575 Jul 07 j 03:45	2°♄09'42					
	1575 Jul 22 j 20:32	0°♄		superior conj	1576 Jun 12 j 22:50	1°♄16'10	1°13'09
desc. node	1575 Jul 27 j 23:23	7°♄36'30		minimum elong	1576 Jun 12 j 20:25	1°♄03'01	1°12'46
evening max el	1575 Aug 10 j 07:01	23°♄37'51	27°20'30	max. Earth dist.	1576 Jun 14 j 07:18	4°♄12'45	1.32800 AU
	1575 Aug 19 j 07:57	0°♄		evening rise	1576 Jun 20 j 03:15	16°♄33'24	
retrograde	1575 Aug 23 j 18:52	0°♄56'16			1576 Jun 27 j 00:50	0°♄	
	1575 Aug 27 j 23:27	30°♄		desc. node	1576 Jul 13 j 20:25	26°♄30'56	
evening set	1575 Aug 30 j 21:02	28°♄13'16			1576 Jul 16 j 15:05	0°♄	
min. Earth dist.	1575 Sep 03 j 14:33	24°♄46'56	0.64385 AU	evening max el	1576 Jul 22 j 16:15	6°♄32'25	27°23'05
inferior conj	1575 Sep 05 j 22:58	22°♄16'09	-2°59'16	retrograde	1576 Aug 05 j 10:43	13°♄49'47	
minimum elong	1575 Sep 06 j 03:33	22°♄03'51	2°57'43	evening set	1576 Aug 12 j 15:43	11°♄18'37	
morning rise	1575 Sep 12 j 11:03	16°♄50'06		min. Earth dist.	1576 Aug 16 j 05:45	8°♄22'00	0.62675 AU
direct	1575 Sep 15 j 01:39	16°♄15'14		inferior conj	1576 Aug 19 j 02:33	5°♄37'30	-3°51'23
asc. node	1575 Sep 15 j 08:49	16°♄15'42		minimum elong	1576 Aug 19 j 07:47	5°♄24'57	3°50'03
morning max el	1575 Sep 21 j 13:49	19°♄41'56	17°58'22	morning rise	1576 Aug 26 j 01:16	0°♄29'59	
	1575 Sep 29 j 06:09	0°♄		direct	1576 Aug 28 j 12:21	0°♄02'22	
morning set	1575 Oct 08 j 21:28	16°♄03'26		asc. node	1576 Sep 01 j 05:51	1°♄07'19	
	1575 Oct 17 j 05:10	0°♄		morning max el	1576 Sep 04 j 05:41	3°♄28'39	17°52'10
				morning set	1576 Sep 20 j 09:54	28°♄39'52	
superior conj	1575 Oct 22 j 04:03	8°♄04'57	0°11'57		1576 Sep 21 j 03:55	0°♄	
minimum elong	1575 Oct 22 j 05:26	8°♄10'33	0°11'45				
behind sun begin	1575 Oct 21 j 22:16	7°♄41'37		superior conj	1576 Oct 01 j 18:37	18°♄28'28	0°52'49
behind sun end	1575 Oct 22 j 12:35	8°♄39'26		minimum elong	1576 Oct 01 j 23:04	18°♄47'15	0°52'15
desc. node	1575 Oct 23 j 22:43	10°♄56'36		max. Earth dist.	1576 Oct 08 j 16:40	29°♄54'48	1.43408 AU
max. Earth dist.	1575 Oct 27 j 01:33	15°♄54'53	1.44594 AU		1576 Oct 08 j 17:57	0°♄	
	1575 Nov 05 j 01:31	0°♄		desc. node	1576 Oct 09 j 19:45	1°♄44'05	
evening rise	1575 Nov 07 j 10:13	3°♄38'52		evening rise	1576 Oct 16 j 18:40	12°♄43'24	
greatest brilliancy	1575 Nov 21 j 15:22	25°♄10'32	-0.6m		1576 Oct 28 j 04:18	0°♄	
	1575 Nov 24 j 23:10	0°♄		evening max el	1576 Nov 16 j 06:08	25°♄24'38	21°20'54
evening max el	1575 Dec 04 j 07:36	11°♄54'44	20°12'20		1576 Nov 22 j 06:26	0°♄	
retrograde	1575 Dec 12 j 02:48	16°♄29'38		retrograde	1576 Nov 25 j 00:17	0°♄36'55	
asc. node	1575 Dec 12 j 08:04	16°♄29'22			1576 Nov 27 j 14:21	30°♄	
evening set	1575 Dec 15 j 20:25	15°♄08'29		asc. node	1576 Nov 28 j 05:07	29°♄39'56	
inferior conj	1575 Dec 21 j 06:36	9°♄03'38	2°42'20	evening set	1576 Nov 29 j 03:59	29°♄00'16	
minimum elong	1575 Dec 21 j 03:56	9°♄12'37	2°41'34	inferior conj	1576 Dec 04 j 12:35	22°♄45'31	2°02'03
min. Earth dist.	1575 Dec 22 j 01:28	8°♄00'02	0.67058 AU	minimum elong	1576 Dec 04 j 10:13	22°♄53'43	2°01'13
morning rise	1575 Dec 26 j 11:17	2°♄50'23		min. Earth dist.	1576 Dec 04 j 19:29	22°♄21'41	0.67604 AU
direct	1576 Jan 01 j 05:49	0°♄16'30		morning rise	1576 Dec 09 j 16:16	16°♄32'35	
morning max el	1576 Jan 12 j 20:48	7°♄12'25	24°53'03	direct	1576 Dec 14 j 19:49	14°♄18'49	
desc. node	1576 Jan 19 j 21:56	15°♄16'14		morning max el	1576 Dec 25 j 05:39	20°♄30'39	23°25'13
	1576 Jan 30 j 15:38	0°♄			1577 Jan 02 j 08:18	0°♄	
morning set	1576 Feb 18 j 00:12	29°♄44'54		desc. node	1577 Jan 05 j 18:59	4°♄34'47	
	1576 Feb 18 j 03:36	0°♄			1577 Jan 22 j 21:22	0°♄	
max. Earth dist.	1576 Feb 21 j 15:59	6°♄22'08	1.37055 AU	morning set	1577 Jan 29 j 08:02	10°♄34'34	
				max. Earth dist.	1577 Feb 02 j 10:41	17°♄37'52	1.39156 AU
superior conj	1576 Feb 28 j 02:58	18°♄39'10	-1°31'16		1577 Feb 09 j 07:32	0°♄	
minimum elong	1576 Feb 28 j 07:06	18°♄59'22	1°30'43				
	1576 Mar 04 j 19:46	0°♄		superior conj	1577 Feb 10 j 00:02	1°♄16'42	-1°51'35

minimum elong	1577 Feb 10 j 03:54	1° $\text{X}$ 34'42	1°51'16		1578 Feb 01 j 11:09	0° $\text{X}$	
evening rise	1577 Feb 19 j 07:42	19° $\text{X}$ 06'54		evening rise	1578 Feb 02 j 14:56	2° $\text{X}$ 08'53	
asc. node	1577 Feb 24 j 04:24	28° $\text{X}$ 21'46		asc. node	1578 Feb 11 j 01:26	17° $\text{X}$ 19'30	
	1577 Feb 25 j 01:52	0° $\text{Y}$		evening max el	1578 Feb 18 j 22:42	28° $\text{X}$ 09'39	18°13'59
evening max el	1577 Mar 07 j 14:47	15° $\text{Y}$ 22'13	18°39'56		1578 Feb 21 j 03:30	0° $\text{Y}$	
retrograde	1577 Mar 15 j 12:44	19° $\text{Y}$ 13'58		retrograde	1578 Feb 25 j 22:22	1° $\text{Y}$ 39'36	
evening set	1577 Mar 17 j 20:13	18° $\text{Y}$ 55'24		evening set	1578 Feb 28 j 11:43	1° $\text{Y}$ 12'23	
inferior conj	1577 Mar 25 j 12:50	14° $\text{Y}$ 31'18	2°24'56		1578 Mar 02 j 22:33	30° $\text{R}$ $\text{X}$	
minimum elong	1577 Mar 25 j 16:55	14° $\text{Y}$ 23'32	2°23'50	inferior conj	1578 Mar 07 j 10:56	26° $\text{X}$ 27'21	3°18'01
min. Earth dist.	1577 Mar 28 j 21:41	11° $\text{Y}$ 59'15	0.57748 AU	minimum elong	1578 Mar 07 j 13:57	26° $\text{X}$ 20'38	3°17'32
morning rise	1577 Apr 02 j 10:32	9° $\text{Y}$ 14'06		min. Earth dist.	1578 Mar 10 j 20:09	23° $\text{X}$ 29'19	0.59833 AU
desc. node	1577 Apr 03 j 18:08	8° $\text{Y}$ 41'23		morning rise	1578 Mar 14 j 13:57	20° $\text{X}$ 46'01	
direct	1577 Apr 08 j 02:59	7° $\text{Y}$ 53'28		direct	1578 Mar 21 j 02:12	18° $\text{X}$ 48'21	
morning max el	1577 Apr 22 j 11:47	15° $\text{Y}$ 28'21	26°25'43	desc. node	1578 Mar 21 j 15:11	18° $\text{X}$ 49'08	
	1577 May 04 j 05:28	0° $\text{Z}$		morning max el	1578 Apr 04 j 09:31	26° $\text{X}$ 36'27	27°25'13
	1577 May 20 j 22:10	0° $\text{II}$			1578 Apr 07 j 14:30	0° $\text{Y}$	
morning set	1577 May 21 j 10:09	1° $\text{II}$ 02'49			1578 Apr 27 j 17:02	0° $\text{Z}$	
asc. node	1577 May 23 j 03:39	4° $\text{II}$ 43'13		morning set	1578 May 05 j 18:18	15° $\text{Z}$ 45'54	
				asc. node	1578 May 10 j 00:41	24° $\text{Z}$ 50'58	
					1578 May 12 j 09:15	0° $\text{II}$	
superior conj	1577 May 28 j 10:20	16° $\text{II}$ 14'13	0°53'14				
minimum elong	1577 May 28 j 08:16	16° $\text{II}$ 02'52	0°52'50	superior conj	1578 May 12 j 21:58	1° $\text{II}$ 09'51	0°30'07
max. Earth dist.	1577 May 28 j 18:14	16° $\text{II}$ 57'40	1.32321 AU	minimum elong	1578 May 12 j 20:39	1° $\text{II}$ 02'40	0°29'50
	1577 Jun 03 j 18:50	0° $\text{S}$		max. Earth dist.	1578 May 12 j 06:33	29° $\text{Z}$ 45'12	1.32225 AU
evening rise	1577 Jun 04 j 09:02	1° $\text{S}$ 14'29		evening rise	1578 May 19 j 18:43	16° $\text{II}$ 05'07	
	1577 Jun 20 j 01:23	0° $\text{Q}$			1578 May 26 j 17:15	0° $\text{S}$	
desc. node	1577 Jun 30 j 17:26	14° $\text{Q}$ 28'01			1578 Jun 16 j 11:04	0° $\text{Q}$	
evening max el	1577 Jul 04 j 20:35	18° $\text{Q}$ 47'44	26°52'52	evening max el	1578 Jun 16 j 18:08	0° $\text{Q}$ 16'59	25°50'49
retrograde	1577 Jul 18 j 19:16	26° $\text{Q}$ 01'59		desc. node	1578 Jun 17 j 14:26	1° $\text{Q}$ 04'15	
evening set	1577 Jul 25 j 17:15	23° $\text{Q}$ 56'32		retrograde	1578 Jun 30 j 18:35	7° $\text{Q}$ 26'50	
min. Earth dist.	1577 Jul 29 j 10:40	21° $\text{Q}$ 17'28	0.60701 AU	evening set	1578 Jul 06 j 20:59	5° $\text{Q}$ 57'56	
inferior conj	1577 Aug 01 j 16:23	18° $\text{Q}$ 34'09	-4°33'02	min. Earth dist.	1578 Jul 11 j 06:35	3° $\text{Q}$ 19'23	0.58643 AU
minimum elong	1577 Aug 01 j 20:45	18° $\text{Q}$ 24'56	4°32'21	inferior conj	1578 Jul 14 j 12:56	0° $\text{Q}$ 56'36	-4°54'47
morning rise	1577 Aug 09 j 02:05	13° $\text{Q}$ 47'47		minimum elong	1578 Jul 14 j 14:04	0° $\text{Q}$ 54'31	4°54'44
direct	1577 Aug 11 j 12:22	13° $\text{Q}$ 24'46			1578 Jul 15 j 20:12	30° $\text{R}$ $\text{S}$	
morning max el	1577 Aug 18 j 18:36	16° $\text{Q}$ 59'26	18°04'53	morning rise	1578 Jul 22 j 09:25	26° $\text{S}$ 32'50	
asc. node	1577 Aug 19 j 02:53	17° $\text{Q}$ 19'54		direct	1578 Jul 24 j 21:30	26° $\text{S}$ 12'24	
	1577 Aug 27 j 23:49	0° $\text{P}$			1578 Aug 01 j 23:02	0° $\text{Q}$	
morning set	1577 Sep 03 j 15:01	12° $\text{P}$ 04'05		morning max el	1578 Aug 02 j 01:22	0° $\text{Q}$ 05'31	18°37'48
				asc. node	1578 Aug 05 j 23:54	4° $\text{Q}$ 38'30	
superior conj	1577 Sep 13 j 11:40	0° $\text{S}$ 09'39	1°21'47	morning set	1578 Aug 18 j 07:57	26° $\text{Q}$ 02'49	
minimum elong	1577 Sep 13 j 15:54	0° $\text{S}$ 28'31	1°21'20		1578 Aug 20 j 08:46	0° $\text{P}$	
	1577 Sep 13 j 09:29	0° $\text{S}$					
max. Earth dist.	1577 Sep 21 j 02:35	13° $\text{S}$ 19'46	1.41708 AU	superior conj	1578 Aug 27 j 02:26	12° $\text{P}$ 55'11	1°38'50
evening rise	1577 Sep 26 j 15:28	22° $\text{S}$ 24'31		minimum elong	1578 Aug 27 j 04:57	13° $\text{P}$ 06'57	1°38'40
desc. node	1577 Sep 26 j 16:47	22° $\text{S}$ 29'46		max. Earth dist.	1578 Sep 03 j 07:55	26° $\text{P}$ 02'56	1.39718 AU
	1577 Oct 01 j 10:53	0° $\text{M}$			1578 Sep 05 j 14:34	0° $\text{S}$	
	1577 Oct 22 j 07:41	0° $\text{X}$		evening rise	1578 Sep 07 j 10:57	3° $\text{S}$ 08'42	
evening max el	1577 Oct 29 j 23:29	8° $\text{X}$ 56'46	22°38'03	desc. node	1578 Sep 13 j 13:47	13° $\text{S}$ 09'43	
retrograde	1577 Nov 08 j 19:40	14° $\text{X}$ 47'35			1578 Sep 24 j 16:49	0° $\text{M}$	
evening set	1577 Nov 13 j 11:24	12° $\text{X}$ 54'12		evening max el	1578 Oct 12 j 13:06	22° $\text{M}$ 31'51	23°58'09
asc. node	1577 Nov 15 j 02:07	11° $\text{X}$ 21'14		retrograde	1578 Oct 23 j 11:38	28° $\text{M}$ 57'46	
inferior conj	1577 Nov 18 j 19:57	6° $\text{X}$ 33'14	1°15'27	evening set	1578 Oct 28 j 17:01	26° $\text{M}$ 47'04	
minimum elong	1577 Nov 18 j 18:18	6° $\text{X}$ 38'57	1°14'47	asc. node	1578 Nov 01 j 23:09	21° $\text{M}$ 57'26	
min. Earth dist.	1577 Nov 18 j 15:55	6° $\text{X}$ 47'11	0.67797 AU	min. Earth dist.	1578 Nov 02 j 12:19	21° $\text{M}$ 13'10	0.67658 AU
morning rise	1577 Nov 24 j 01:03	0° $\text{X}$ 22'46		inferior conj	1578 Nov 03 j 02:52	20° $\text{M}$ 23'50	0°23'48
	1577 Nov 24 j 12:40	30° $\text{R}$ $\text{M}$		minimum elong	1578 Nov 03 j 02:18	20° $\text{M}$ 25'46	0°23'34
direct	1577 Nov 28 j 13:48	28° $\text{M}$ 31'37		morning rise	1578 Nov 08 j 11:33	14° $\text{M}$ 18'10	
	1577 Dec 03 j 00:41	0° $\text{X}$		direct	1578 Nov 12 j 10:36	12° $\text{M}$ 49'15	
morning max el	1577 Dec 07 j 17:54	3° $\text{X}$ 55'23	21°58'28	morning max el	1578 Nov 20 j 12:50	17° $\text{M}$ 29'51	20°40'01
desc. node	1577 Dec 23 j 16:02	24° $\text{X}$ 23'54			1578 Nov 30 j 13:19	0° $\text{X}$	
	1577 Dec 27 j 11:54	0° $\text{Z}$		desc. node	1578 Dec 10 j 13:03	14° $\text{X}$ 34'23	
morning set	1578 Jan 09 j 10:53	20° $\text{Z}$ 00'22		morning set	1578 Dec 19 j 12:57	28° $\text{X}$ 19'22	
max. Earth dist.	1578 Jan 15 j 08:35	29° $\text{Z}$ 40'39	1.41278 AU		1578 Dec 20 j 14:47	0° $\text{Z}$	
	1578 Jan 15 j 13:13	0° $\text{Z}$		max. Earth dist.	1578 Dec 28 j 14:19	12° $\text{Z}$ 40'37	1.43120 AU
superior conj	1578 Jan 23 j 02:21	12° $\text{Z}$ 58'34	-2°03'13	superior conj	1579 Jan 04 j 04:33	23° $\text{Z}$ 31'40	-2°01'24
minimum elong	1578 Jan 23 j 03:55	13° $\text{Z}$ 05'31	2°03'11				



minimum elong	1579 Jan 04 j 01:24	23°  18'31	2°01'18		1579 Dec 13 j 09:01	0° 	
	1579 Jan 08 j 00:18	0° 					
evening rise	1579 Jan 16 j 06:44	14°  25'11		superior conj	1579 Dec 15 j 04:16	2°  53'00	-1°41'40
	1579 Jan 25 j 06:09	0° 		minimum elong	1579 Dec 14 j 20:17	2°  20'58	1°41'00
asc. node	1579 Jan 28 j 22:28	5°  42'53		evening rise	1579 Dec 29 j 02:50	25°  48'29	
evening max el	1579 Feb 02 j 10:21	11°  16'26	18°07'38		1579 Dec 31 j 14:37	0° 	
retrograde	1579 Feb 08 j 23:10	14°  40'15		asc. node	1580 Jan 15 j 19:30	23°  21'54	
evening set	1579 Feb 11 j 17:36	14°  03'06		evening max el	1580 Jan 16 j 22:52	24°  35'33	18°20'19
inferior conj	1579 Feb 18 j 03:08	8°  57'04	3°41'46	retrograde	1580 Jan 23 j 10:30	28°  06'22	
minimum elong	1579 Feb 18 j 04:08	8°  54'32	3°41'44	evening set	1580 Jan 26 j 09:58	27°  18'30	
min. Earth dist.	1579 Feb 21 j 02:12	5°  58'04	0.61953 AU	inferior conj	1580 Feb 01 j 09:27	21°  53'06	3°43'22
morning rise	1579 Feb 24 j 13:20	3°  00'33		minimum elong	1580 Feb 01 j 08:37	21°  55'28	3°43'19
direct	1579 Mar 03 j 11:13	0°  31'38		min. Earth dist.	1580 Feb 03 j 17:51	19°  13'41	0.63856 AU
desc. node	1579 Mar 08 j 12:13	1°  42'04		morning rise	1580 Feb 07 j 06:34	15°  47'38	
morning max el	1579 Mar 17 j 13:26	8°  25'42	27°48'58	direct	1580 Feb 14 j 04:29	13°  00'07	
	1579 Apr 03 j 03:19	0°  Y		desc. node	1580 Feb 23 j 09:16	16°  52'30	
morning set	1579 Apr 19 j 21:46	0°  12'12		morning max el	1580 Feb 27 j 21:50	20°  53'34	27°35'44
	1579 Apr 19 j 19:23	0°  8			1580 Mar 06 j 19:20	0° 	
max. Earth dist.	1579 Apr 25 j 16:24	12°  21'55	1.32510 AU		1580 Mar 26 j 05:00	0°  Y	
asc. node	1579 Apr 26 j 21:45	15°  00'53		morning set	1580 Apr 02 j 18:05	14°  Y13'46	
				max. Earth dist.	1580 Apr 07 j 19:45	24°  Y34'37	1.33207 AU
superior conj	1579 Apr 27 j 08:03	15°  56'57	0°04'33		1580 Apr 10 j 09:14	0°  8	
minimum elong	1579 Apr 27 j 07:50	15°  55'47	0°04'30	superior conj	1580 Apr 10 j 14:47	0°  829'38	-0°22'41
behind sun begin	1579 Apr 27 j 02:53	15°  828'51		minimum elong	1580 Apr 10 j 15:54	0°  835'36	0°22'26
behind sun end	1579 Apr 27 j 12:47	16°  822'44		asc. node	1580 Apr 12 j 18:47	5°  808'46	
	1579 May 03 j 19:24	0°  II		evening rise	1580 Apr 17 j 17:59	15°  846'43	
evening rise	1579 May 04 j 06:19	0°  II58'04			1580 Apr 24 j 21:01	0°  II	
	1579 May 20 j 05:59	0°  6		evening max el	1580 May 09 j 23:46	21°  II35'02	22°49'01
evening max el	1579 May 29 j 09:27	11°  605'12	24°24'53	desc. node	1580 May 21 j 08:28	28°  II02'58	
desc. node	1579 Jun 04 j 11:26	15°  648'05		retrograde	1580 May 23 j 06:29	28°  II11'21	
retrograde	1579 Jun 12 j 06:37	18°  605'51		evening set	1580 May 26 j 13:54	27°  II47'17	
evening set	1579 Jun 17 j 01:21	17°  614'44		min. Earth dist.	1580 Jun 03 j 08:17	24°  II22'00	0.55426 AU
min. Earth dist.	1579 Jun 22 j 20:27	14°  619'37	0.56770 AU	inferior conj	1580 Jun 04 j 19:07	23°  II31'56	-3°46'40
inferior conj	1579 Jun 25 j 13:33	12°  636'22	-4°43'28	minimum elong	1580 Jun 04 j 11:27	23°  II42'59	3°44'48
minimum elong	1579 Jun 25 j 09:31	12°  642'49	4°43'02	morning rise	1580 Jun 13 j 11:24	19°  II39'37	
morning rise	1579 Jul 03 j 20:23	8°  633'12		direct	1580 Jun 16 j 07:49	19°  II20'40	
direct	1579 Jul 06 j 11:59	8°  614'10		morning max el	1580 Jun 27 j 09:54	24°  II29'00	20°47'06
morning max el	1579 Jul 15 j 23:09	12°  638'07	19°32'00		1580 Jul 02 j 08:02	0°  6	
asc. node	1579 Jul 23 j 20:58	22°  648'58		asc. node	1580 Jul 09 j 18:02	11°  638'25	
	1579 Jul 28 j 00:09	0°  Omega		morning set	1580 Jul 16 j 15:55	25°  607'24	
morning set	1579 Aug 02 j 09:11	10°  Omega26'44			1580 Jul 19 j 00:29	0°  Omega	
superior conj	1579 Aug 10 j 09:30	26°  Omega30'11	1°45'41	superior conj	1580 Jul 24 j 04:06	10°  Omega40'05	1°44'17
minimum elong	1579 Aug 10 j 10:05	26°  Omega33'01	1°45'41	minimum elong	1580 Jul 24 j 03:07	10°  Omega35'05	1°44'15
	1579 Aug 12 j 04:30	0°  M		max. Earth dist.	1580 Jul 28 j 19:50	20°  Omega00'29	1.35848 AU
max. Earth dist.	1579 Aug 16 j 11:55	8°  M10'09	1.37687 AU	evening rise	1580 Aug 01 j 22:06	27°  Omega00'35	
evening rise	1579 Aug 20 j 06:24	15°  M00'33			1580 Aug 03 j 02:02	0°  M	
	1579 Aug 29 j 03:18	0°  Omega		desc. node	1580 Aug 17 j 07:48	23°  M54'27	
desc. node	1579 Aug 31 j 10:47	3°  Omega39'57			1580 Aug 21 j 10:33	0°  Omega	
	1579 Sep 19 j 09:13	0°  M		evening max el	1580 Sep 06 j 12:56	19°  Omega48'40	26°19'16
evening max el	1579 Sep 25 j 01:05	6°  M10'24	25°14'19	retrograde	1580 Sep 19 j 06:24	26°  Omega59'39	
retrograde	1579 Oct 06 j 23:25	13°  M03'52		evening set	1580 Sep 25 j 16:01	24°  Omega20'40	
evening set	1579 Oct 12 j 19:12	10°  M37'07		min. Earth dist.	1580 Sep 29 j 19:41	19°  Omega57'39	0.66378 AU
min. Earth dist.	1579 Oct 17 j 06:20	5°  M37'58	0.67189 AU	inferior conj	1580 Oct 01 j 08:26	18°  Omega05'05	-1°29'00
inferior conj	1579 Oct 18 j 07:39	4°  M15'34	-0°31'29	minimum elong	1580 Oct 01 j 10:46	17°  Omega57'54	1°28'02
minimum elong	1579 Oct 18 j 08:27	4°  M12'58	0°31'08	asc. node	1580 Oct 05 j 17:15	13°  Omega21'39	
asc. node	1579 Oct 19 j 20:11	2°  M18'53		morning rise	1580 Oct 07 j 05:59	12°  Omega16'46	
	1579 Oct 21 j 21:10	30°  ROmega		direct	1580 Oct 10 j 07:05	11°  Omega24'02	
morning rise	1579 Oct 23 j 21:53	28°  Omega17'15		morning max el	1580 Oct 17 j 01:25	15°  Omega08'41	18°43'55
direct	1579 Oct 27 j 08:55	27°  Omega08'12			1580 Oct 28 j 01:05	0°  M	
	1579 Nov 02 j 07:43	0°  M		morning set	1580 Nov 07 j 03:12	15°  M52'31	
morning max el	1579 Nov 03 j 15:42	1°  M15'32	19°34'21	desc. node	1580 Nov 13 j 07:07	25°  M37'02	
greatest brilliancy	1579 Nov 17 j 00:44	19°  M07'53	-0.7m		1580 Nov 16 j 01:56	0°  M	
	1579 Nov 24 j 04:07	0°  M		superior conj	1580 Nov 23 j 08:27	11°  M25'28	-1°03'45
desc. node	1579 Nov 27 j 10:05	5°  M00'28		minimum elong	1580 Nov 23 j 00:44	10°  M55'08	1°02'50
morning set	1579 Nov 28 j 10:27	6°  M03'41					
max. Earth dist.	1579 Dec 11 j 03:20	26°  M02'33	1.44435 AU				

max. Earth dist.	1580 Nov 22 j 20:36	10°  38'56	1.45072 AU	desc. node	1581 Oct 31 j 04:08	16°  20'15	
	1580 Dec 05 j 02:25	0° 					
evening rise	1580 Dec 08 j 23:51	6°  13'42		superior conj	1581 Nov 02 j 12:10	20°  03'12	-0°15'34
greatest brilliancy	1580 Dec 16 j 04:03	17°  34'40	-0.9m	minimum elong	1581 Nov 02 j 10:10	19°  55'19	0°15'18
	1580 Dec 24 j 02:25	0° 		behind sun begin	1581 Nov 02 j 06:30	19°  40'44	
evening max el	1580 Dec 30 j 09:44	8°  01'28	18°51'08	behind sun end	1581 Nov 02 j 13:51	20°  09'54	
asc. node	1581 Jan 01 j 16:32	10°  03'52		max. Earth dist.	1581 Nov 05 j 15:21	25°  00'18	1.44977 AU
retrograde	1581 Jan 06 j 04:18	11°  50'16			1581 Nov 08 j 19:40	0° 	
evening set	1581 Jan 09 j 09:36	10°  50'40		evening rise	1581 Nov 18 j 22:24	15°  45'32	
inferior conj	1581 Jan 15 j 02:05	5°  08'05	3°28'44		1581 Nov 28 j 03:30	0° 	
minimum elong	1581 Jan 15 j 00:02	5°  14'24	3°28'25	greatest brilliancy	1581 Dec 01 j 13:52	5°  13'04	-0.7m
min. Earth dist.	1581 Jan 16 j 19:04	3°  01'31	0.65409 AU	evening max el	1581 Dec 13 j 16:51	21°  30'05	19°38'33
	1581 Jan 19 j 11:38	30°  R 		asc. node	1581 Dec 19 j 13:36	25°  33'35	
morning rise	1581 Jan 20 j 14:05	28°  35'46		retrograde	1581 Dec 21 j 01:17	25°  34'59	
direct	1581 Jan 27 j 04:50	26°  30'58		evening set	1581 Dec 24 j 13:54	24°  33'03	
	1581 Feb 05 j 02:28	0° 		inferior conj	1581 Dec 30 j 01:49	18°  35'46	3°02'01
desc. node	1581 Feb 09 j 06:20	3°  44'51		minimum elong	1581 Dec 29 j 23:12	18°  34'20	3°01'23
morning max el	1581 Feb 09 j 07:43	3°  48'21	26°50'10	min. Earth dist.	1581 Dec 31 j 04:23	17°  30'27	0.66571 AU
	1581 Mar 01 j 04:42	0° 		morning rise	1582 Jan 04 j 08:17	12°  23'06	
morning set	1581 Mar 17 j 04:02	27°  40'42		direct	1582 Jan 10 j 11:06	9°  39'46	
	1581 Mar 18 j 08:59	0° 		morning max el	1582 Jan 22 j 16:47	16°  35'32	25°40'18
max. Earth dist.	1581 Mar 21 j 12:47	6°  13'52	1.34352 AU	desc. node	1582 Jan 27 j 03:22	21°  34'10	
					1582 Feb 02 j 14:16	0° 	
superior conj	1581 Mar 25 j 16:04	14°  11'36	-0°50'25		1582 Feb 22 j 03:20	0° 	
minimum elong	1581 Mar 25 j 18:35	14°  15'43	0°49'55	morning set	1582 Feb 27 j 23:03	10°  18'33	
asc. node	1581 Mar 30 j 15:51	25°  10'41		max. Earth dist.	1582 Mar 03 j 17:51	17°  18'07	1.35953 AU
	1581 Apr 01 j 23:02	0° 					
evening rise	1581 Apr 02 j 03:50	0°  24'56		superior conj	1582 Mar 09 j 09:11	28°  14'09	-1°17'09
	1581 Apr 19 j 15:56	0° 		minimum elong	1582 Mar 09 j 12:54	28°  14'48	1°16'33
evening max el	1581 Apr 21 j 20:48	2°  19'10	21°17'56		1582 Mar 10 j 04:15	0° 	
retrograde	1581 May 03 j 20:53	8°  10'34		evening rise	1582 Mar 17 j 09:42	14°  14'51	
evening set	1581 May 06 j 04:20	7°  15'17		asc. node	1582 Mar 17 j 12:54	15°  11'27	
desc. node	1581 May 08 j 05:30	7°  12'09			1582 Mar 25 j 08:11	0° 	
inferior conj	1581 May 15 j 13:43	3°  15'49	-2°05'54	evening max el	1582 Apr 04 j 05:00	13°  37'42	20°01'26
minimum elong	1581 May 15 j 07:55	4°  06'58	2°03'55	retrograde	1582 Apr 14 j 11:44	18°  35'19	
min. Earth dist.	1581 May 15 j 20:46	3°  12'55	0.54921 AU	evening set	1582 Apr 16 j 12:40	18°  34'29	
morning rise	1581 May 24 j 11:52	29°  59'20		inferior conj	1582 Apr 25 j 11:09	14°  24'58	-0°06'14
	1581 May 24 j 10:44	30°  R 		minimum elong	1582 Apr 25 j 10:52	14°  25'24	0°06'08
direct	1581 May 27 j 17:57	29°  36'21		transit middle	1582 Apr 25 j 10:52	14°  25'24	0°06'08
	1581 May 30 j 23:26	0° 		transit begin	1582 Apr 25 j 07:11	14°  30'57	
morning max el	1581 Jun 09 j 09:45	5°  13'01	22°19'34	transit end	1582 Apr 25 j 14:33	14°  19'50	
	1581 Jun 26 j 03:17	0° 		desc. node	1582 Apr 25 j 02:34	14°  37'54	
asc. node	1581 Jun 26 j 15:06	0° 		min. Earth dist.	1582 Apr 27 j 10:20	13°  14'00	0.55383 AU
morning set	1581 Jul 01 j 02:03	9°  58'45		morning rise	1582 May 04 j 07:04	10°  00'18	
				direct	1582 May 08 j 08:01	9°  24'31	
superior conj	1581 Jul 08 j 06:37	25°  51'49	1°36'15	morning max el	1582 May 22 j 01:55	16°  12'19	24°01'08
minimum elong	1581 Jul 08 j 04:38	25°  03'25	1°36'06		1582 Jun 02 j 02:42	0° 	
	1581 Jul 10 j 13:12	0° 		asc. node	1582 Jun 13 j 12:09	20°  13'08	
max. Earth dist.	1581 Jul 11 j 12:12	1°  58'56	1.34355 AU	morning set	1582 Jun 15 j 13:46	24°  15'00	
evening rise	1581 Jul 16 j 05:21	11°  26'25			1582 Jun 17 j 22:59	0° 	
	1581 Jul 26 j 10:45	0° 					
desc. node	1581 Aug 04 j 04:49	13°  11'46		superior conj	1582 Jun 22 j 14:16	10°  02'24	1°22'53
	1581 Aug 16 j 19:10	0° 		minimum elong	1582 Jun 22 j 11:52	9°  49'26	1°22'34
evening max el	1581 Aug 20 j 01:05	3°  19'46	27°05'20	max. Earth dist.	1582 Jun 24 j 13:56	14°  01'43	1.33257 AU
retrograde	1581 Sep 02 j 07:59	10°  37'54		evening rise	1582 Jun 29 j 23:55	25°  35'30	
evening set	1581 Sep 09 j 05:10	7°  53'47			1582 Jul 02 j 05:10	0° 	
min. Earth dist.	1581 Sep 13 j 02:03	4°  07'07	0.65214 AU		1582 Jul 19 j 21:15	0° 	
inferior conj	1581 Sep 15 j 03:04	1°  48'30	-2°26'51	desc. node	1582 Jul 22 j 01:51	3°  05'01	
minimum elong	1581 Sep 15 j 06:55	1°  37'34	2°25'25	evening max el	1582 Aug 02 j 12:18	16°  13'25	27°25'31
	1581 Sep 16 j 18:16	30°  R 		retrograde	1582 Aug 16 j 03:29	23°  15'02	
morning rise	1581 Sep 21 j 09:28	26°  13'13		evening set	1582 Aug 23 j 07:39	21°  11'09	
asc. node	1581 Sep 22 j 14:19	25°  14'54		min. Earth dist.	1582 Aug 26 j 23:20	17°  15'09	0.63696 AU
direct	1581 Sep 24 j 03:07	25°  13'55		inferior conj	1582 Aug 29 j 13:02	15°  12'23	-3°22'15
morning max el	1581 Sep 30 j 15:41	29°  04'00	18°09'56	minimum elong	1582 Aug 29 j 18:02	15°  07'35	3°20'43
	1581 Oct 01 j 12:58	0°		morning rise	1582 Sep 05 j 05:32	10°  01'28	
morning set	1581 Oct 19 j 00:59	26°  13'12		direct	1582 Sep 07 j 18:17	9°  13'01	
	1581 Oct 21 j 02:14	0°		asc. node	1582 Sep 09 j 11:22	9°  14'39	

morning max el	1582 Sep 14 j 07:47	12° $\mathbb{M}$ 55'45	17°53'24	asc. node	1583 Sep 06 08:24	25° $\Omega$ 12'11	
	1582 Sep 26 j 00:48	0° $\mathbb{L}$		morning max el	1583 Sep 07 22:44	26° $\Omega$ 36'14	17°55'11
morning set	1582 Oct 01 j 01:12	8° $\mathbb{L}$ 39'03			1583 Sep 10 21:41	0° $\mathbb{M}$	
				morning set	1583 Sep 23 21:26	21° $\mathbb{M}$ 37'52	
superior conj	1582 Oct 23 11:15	29° $\mathbb{L}$ 40'46	0°30'36		1583 Sep 28 12:31	0° $\mathbb{L}$	
minimum elong	1582 Oct 23 14:26	29° $\mathbb{L}$ 53'47	0°30'10				
	1582 Oct 23 15:56	0° $\mathbb{M}$		superior conj	1583 Oct 04 13:27	10° $\mathbb{L}$ 38'15	1°06'38
desc. node	1582 Oct 28 01:09	7° $\mathbb{M}$ 07'15		minimum elong	1583 Oct 04 18:07	10° $\mathbb{L}$ 58'21	1°06'05
max. Earth dist.	1582 Oct 29 09:05	9° $\mathbb{M}$ 15'10	1.44168 AU	max. Earth dist.	1583 Oct 11 22:44	23° $\mathbb{L}$ 04'02	1.42741 AU
evening rise	1582 Nov 08 07:33	24° $\mathbb{M}$ 49'24		desc. node	1583 Oct 14 22:11	27° $\mathbb{L}$ 54'12	
	1582 Nov 11 16:37	0° $\mathbb{M}$			1583 Oct 16 05:35	0° $\mathbb{M}$	
	1582 Dec 02 10:59	0° $\mathbb{Z}$		evening rise	1583 Oct 18 19:26	4° $\mathbb{M}$ 04'53	
evening max el	1582 Dec 06 18:48	5° $\mathbb{Z}$ 00'12	20°40'13		1583 Nov 05 02:33	0° $\mathbb{M}$	
retrograde	1582 Dec 14 23:04	9° $\mathbb{Z}$ 50'00		evening max el	1583 Nov 19 15:01	18° $\mathbb{M}$ 30'43	21°52'54
asc. node	1582 Dec 16 10:38	9° $\mathbb{Z}$ 37'41		retrograde	1583 Nov 28 19:46	23° $\mathbb{M}$ 59'06	
evening set	1582 Dec 18 20:48	8° $\mathbb{Z}$ 22'25		evening set	1583 Dec 03 04:30	22° $\mathbb{M}$ 15'12	
inferior conj	1582 Dec 24 06:08	2° $\mathbb{Z}$ 13'10	2°26'06	asc. node	1583 Dec 03 07:39	22° $\mathbb{M}$ 08'47	
minimum elong	1582 Dec 24 03:32	2° $\mathbb{Z}$ 22'02	2°25'17	inferior conj	1583 Dec 08 12:54	15° $\mathbb{M}$ 57'21	1°42'56
min. Earth dist.	1582 Dec 24 19:46	1° $\mathbb{Z}$ 26'38	0.67340 AU	minimum elong	1583 Dec 08 10:47	16° $\mathbb{M}$ 04'40	1°42'09
	1582 Dec 25 21:33	30° $\mathbb{R}$ $\mathbb{M}$		min. Earth dist.	1583 Dec 08 14:58	15° $\mathbb{M}$ 50'09	0.67735 AU
morning rise	1582 Dec 29 10:05	26° $\mathbb{M}$ 00'02		morning rise	1583 Dec 13 16:56	9° $\mathbb{M}$ 45'27	
direct	1583 Jan 03 22:27	23° $\mathbb{M}$ 34'03		direct	1583 Dec 18 14:06	7° $\mathbb{M}$ 41'22	
	1583 Jan 14 20:29	0° $\mathbb{Z}$		morning max el	1583 Dec 28 10:59	13° $\mathbb{M}$ 32'06	22°47'42
morning max el	1583 Jan 15 01:04	0° $\mathbb{Z}$ 11'33	24°16'07	desc. node	1584 Jan 10 21:25	0° $\mathbb{Z}$ 17'16	
desc. node	1583 Jan 24 00:24	10° $\mathbb{Z}$ 44'56			1584 Jan 10 16:29	0° $\mathbb{Z}$	
	1583 Feb 06 12:06	0° $\approx$			1584 Jan 30 10:39	0° $\approx$	
morning set	1583 Feb 19 21:28	21° $\approx$ 51'46		morning set	1584 Jan 31 17:12	2° $\approx$ 05'20	
max. Earth dist.	1583 Feb 23 14:27	28° $\approx$ 25'24	1.37933 AU	max. Earth dist.	1584 Feb 05 10:07	9° $\approx$ 59'48	1.40079 AU
	1583 Feb 24 11:22	0° $\mathbb{H}$					
superior conj	1583 Mar 02 14:46	11° $\mathbb{H}$ 28'24	-1°40'40	superior conj	1584 Feb 13 04:26	23° $\approx$ 43'10	-1°57'50
minimum elong	1583 Mar 02 18:58	11° $\mathbb{H}$ 48'33	1°40'13	minimum elong	1584 Feb 13 07:38	23° $\approx$ 57'42	1°57'40
evening rise	1583 Mar 11 09:13	28° $\mathbb{H}$ 41'01			1584 Feb 16 14:08	0° $\mathbb{H}$	
	1583 Mar 12 01:15	0° $\mathbb{Y}$		evening rise	1584 Feb 22 23:24	12° $\mathbb{H}$ 04'47	
asc. node	1583 Mar 14 09:56	4° $\mathbb{Y}$ 36'14		asc. node	1584 Feb 29 06:58	23° $\mathbb{H}$ 49'17	
evening max el	1583 Mar 28 00:22	25° $\mathbb{Y}$ 34'58	19°03'52		1584 Mar 03 22:54	0° $\mathbb{Y}$	
retrograde	1583 Apr 05 16:09	29° $\mathbb{Y}$ 46'31		evening max el	1584 Mar 10 04:30	8° $\mathbb{Y}$ 05'49	18°26'25
evening set	1583 Apr 07 20:28	29° $\mathbb{Y}$ 31'42		retrograde	1584 Mar 17 15:38	11° $\mathbb{Y}$ 46'41	
inferior conj	1583 Apr 16 00:12	25° $\mathbb{Y}$ 18'10	1°38'51	evening set	1584 Mar 20 01:37	11° $\mathbb{Y}$ 24'40	
minimum elong	1583 Apr 16 03:44	25° $\mathbb{Y}$ 12'02	1°37'44	inferior conj	1584 Mar 27 10:22	6° $\mathbb{Y}$ 51'27	2°51'30
min. Earth dist.	1583 Apr 19 01:39	23° $\mathbb{Y}$ 11'50	0.56706 AU	minimum elong	1584 Mar 27 14:14	6° $\mathbb{Y}$ 43'35	2°50'38
desc. node	1583 Apr 21 23:35	21° $\mathbb{Y}$ 25'32		min. Earth dist.	1584 Mar 30 20:52	4° $\mathbb{Y}$ 05'28	0.58604 AU
morning rise	1583 Apr 24 07:59	20° $\mathbb{Y}$ 19'37		morning rise	1584 Apr 04 00:05	1° $\mathbb{Y}$ 22'39	
direct	1583 Apr 29 10:06	19° $\mathbb{Y}$ 18'49		desc. node	1584 Apr 07 20:36	29° $\mathbb{H}$ 59'26	
morning max el	1583 May 13 16:24	26° $\mathbb{Y}$ 39'47	25°38'15		1584 Apr 07 19:26	30° $\mathbb{R}$ $\mathbb{H}$	
	1583 May 16 21:02	0° $\mathbb{B}$		direct	1584 Apr 10 01:48	29° $\mathbb{H}$ 46'34	
	1583 Jun 05 05:14	0° $\mathbb{H}$			1584 Apr 12 08:53	0° $\mathbb{Y}$	
morning set	1583 Jun 10 01:24	9° $\mathbb{H}$ 50'51		morning max el	1584 Apr 24 10:51	7° $\mathbb{Y}$ 28'01	26°55'16
asc. node	1583 Jun 10 09:11	10° $\mathbb{H}$ 31'59			1584 May 11 08:28	0° $\mathbb{B}$	
				morning set	1584 May 24 11:22	24° $\mathbb{B}$ 40'50	
superior conj	1583 Jun 17 00:52	24° $\mathbb{H}$ 58'35	1°05'08		1584 May 26 23:25	0° $\mathbb{H}$	
minimum elong	1583 Jun 16 22:33	24° $\mathbb{H}$ 45'53	1°04'44	asc. node	1584 May 27 06:13	0° $\mathbb{H}$ 36'37	
max. Earth dist.	1583 Jun 17 22:39	26° $\mathbb{H}$ 57'49	1.32555 AU	superior conj	1584 May 31 12:38	9° $\mathbb{H}$ 56'26	0°43'47
	1583 Jun 19 08:06	0° $\mathbb{B}$		minimum elong	1584 May 31 10:51	9° $\mathbb{H}$ 46'35	0°43'25
evening rise	1583 Jun 24 02:23	10° $\mathbb{B}$ 07'22		max. Earth dist.	1584 May 31 10:48	9° $\mathbb{H}$ 46'19	1.32229 AU
	1583 Jul 04 12:13	0° $\Omega$		evening rise	1584 Jun 07 10:06	24° $\mathbb{H}$ 53'29	
desc. node	1583 Jul 18 22:53	21° $\Omega$ 37'16			1584 Jun 09 21:21	0° $\mathbb{B}$	
evening max el	1583 Jul 25 19:54	29° $\Omega$ 11'52	27°14'20		1584 Jun 27 09:39	0° $\Omega$	
	1583 Jul 26 16:40	0° $\mathbb{M}$		desc. node	1584 Jul 04 19:53	9° $\Omega$ 03'39	
retrograde	1583 Aug 08 16:01	6° $\mathbb{M}$ 27'05		evening max el	1584 Jul 06 21:20	11° $\Omega$ 07'39	26°30'01
evening set	1583 Aug 15 19:35	4° $\mathbb{M}$ 05'22		retrograde	1584 Jul 20 20:51	18° $\Omega$ 20'28	
min. Earth dist.	1583 Aug 19 10:01	1° $\mathbb{M}$ 18'05	0.61863 AU	evening set	1584 Jul 27 12:25	16° $\Omega$ 29'13	
	1583 Aug 20 20:54	30° $\mathbb{R}$ $\Omega$		min. Earth dist.	1584 Jul 31 10:33	13° $\Omega$ 52'59	0.59826 AU
inferior conj	1583 Aug 22 11:12	28° $\Omega$ 32'17	-4°10'50	inferior conj	1584 Aug 03 18:08	11° $\Omega$ 15'40	-4°45'23
minimum elong	1583 Aug 22 16:19	28° $\Omega$ 20'39	4°09'43	minimum elong	1584 Aug 03 21:26	11° $\Omega$ 09'06	4°45'02
morning rise	1583 Aug 29 14:34	23° $\Omega$ 33'18		morning rise	1584 Aug 11 08:31	6° $\Omega$ 39'14	
direct	1583 Sep 01 01:07	23° $\Omega$ 07'47		direct	1584 Aug 13 19:21	6° $\Omega$ 17'28	

morning max el	1584 Aug 21 09:29	9°Ω58'11	18°16'22	asc. node	1585 Aug 10 02:29	29°Ω36'59	
asc. node	1584 Aug 23 05:25	11°Ω54'56			1585 Aug 10 08:42	0°Ω	
	1584 Sep 03 12:34	0°൬		morning set	1585 Aug 21 04:56	19°Ω28'12	
morning set	1584 Sep 06 08:05	5°൬18'12			1585 Aug 26 13:05	0°൬	
superior conj	1584 Sep 15 16:31	22°൬49'17	1°30'22	superior conj	1585 Aug 29 14:53	5°൬57'35	1°42'51
minimum elong	1584 Sep 15 20:07	23°൬05'38	1°30'03	minimum elong	1585 Aug 29 16:33	6°൬05'34	1°42'46
	1584 Sep 19 16:43	0°♎		max. Earth dist.	1585 Sep 05 10:11	18°൬35'31	1.38842 AU
max. Earth dist.	1584 Sep 23 06:32	6°♎11'41	1.40884 AU	evening rise	1585 Sep 09 07:07	25°൬24'03	
evening rise	1584 Sep 28 01:12	14°♎10'41			1585 Sep 12 00:05	0°♎	
desc. node	1584 Sep 30 19:12	18°♎37'48		desc. node	1585 Sep 17 16:13	9°♎14'01	
	1584 Oct 08 02:35	0°♎			1585 Oct 01 18:39	0°♎	
	1584 Oct 30 07:31	0°♎		evening max el	1585 Oct 14 18:58	15°♎39'25	24°31'27
evening max el	1584 Nov 01 06:23	2°♎03'05	23°12'00	retrograde	1585 Oct 26 04:26	22°♎18'53	
retrograde	1584 Nov 11 13:58	8°♎09'59		evening set	1585 Oct 31 15:46	20°♎01'12	
evening set	1584 Nov 16 11:22	6°♎09'00		min. Earth dist.	1585 Nov 05 07:30	14°♎41'37	0.67496 AU
asc. node	1584 Nov 19 04:40	3°♎17'40		inferior conj	1585 Nov 06 02:34	13°♎37'54	0°00'44
inferior conj	1584 Nov 21 20:17	29°♎46'17	0°54'03	minimum elong	1585 Nov 06 02:33	13°♎37'58	0°00'43
minimum elong	1584 Nov 21 19:03	29°♎50'32	0°53'33	transit middle	1585 Nov 06 02:33	13°♎37'58	0°00'43
min. Earth dist.	1584 Nov 21 11:41	0°♎15'55	0.67780 AU	transit begin	1585 Nov 05 23:48	13°♎47'08	
	1584 Nov 21 16:18	30°♎		transit end	1585 Nov 06 05:17	13°♎28'49	
morning rise	1584 Nov 27 02:41	23°♎37'37		asc. node	1585 Nov 06 01:42	13°♎40'46	
direct	1584 Dec 01 09:18	21°♎56'22		morning rise	1585 Nov 11 13:22	7°♎34'49	
morning max el	1584 Dec 10 01:55	27°♎01'02	21°23'41	direct	1585 Nov 15 06:59	6°♎14'48	
	1584 Dec 12 19:46	0°♎		morning max el	1585 Nov 23 00:15	10°♎40'25	20°10'14
desc. node	1584 Dec 27 18:27	20°♎15'59			1585 Dec 07 14:50	0°♎	
	1585 Jan 03 06:25	0°♎		desc. node	1585 Dec 14 15:29	10°♎33'39	
morning set	1585 Jan 10 08:06	10°♎57'57		morning set	1585 Dec 20 05:03	19°♎05'59	
max. Earth dist.	1585 Jan 17 11:04	22°♎26'38	1.42110 AU		1585 Dec 27 04:30	0°♎	
	1585 Jan 21 23:42	0°♎		max. Earth dist.	1585 Dec 30 19:35	5°♎46'10	1.43752 AU
superior conj	1585 Jan 24 21:01	4°♎56'17	-2°04'23	superior conj	1586 Jan 05 11:57	14°♎58'41	-1°55'24
minimum elong	1585 Jan 24 20:50	4°♎55'31	2°04'24	minimum elong	1586 Jan 05 06:30	14°♎36'17	1°55'05
evening rise	1585 Feb 05 00:36	24°♎48'11			1586 Jan 14 10:59	0°♎	
	1585 Feb 07 21:19	0°♎		evening rise	1586 Jan 18 08:35	6°♎42'53	
asc. node	1585 Feb 15 03:59	12°♎33'17			1586 Feb 01 13:15	0°♎	
evening max el	1585 Feb 21 14:19	21°♎01'53	18°08'55	asc. node	1586 Feb 02 01:02	0°♎39'30	
retrograde	1585 Feb 28 08:17	24°♎27'47		evening max el	1586 Feb 05 02:46	4°♎15'17	18°10'48
evening set	1585 Mar 02 23:42	23°♎56'37		retrograde	1586 Feb 11 14:00	7°♎40'26	
inferior conj	1585 Mar 09 16:39	19°♎02'40	3°31'16	evening set	1586 Feb 14 10:31	6°♎58'54	
minimum elong	1585 Mar 09 18:50	18°♎57'30	3°31'01	inferior conj	1586 Feb 20 15:24	1°♎44'44	3°44'45
min. Earth dist.	1585 Mar 12 22:31	16°♎00'57	0.60740 AU	minimum elong	1586 Feb 20 15:33	1°♎44'18	3°44'44
morning rise	1585 Mar 16 12:03	13°♎13'32			1586 Feb 22 06:32	30°♎	
direct	1585 Mar 23 05:32	11°♎01'13		min. Earth dist.	1586 Feb 23 08:40	28°♎51'40	0.62801 AU
desc. node	1585 Mar 25 17:39	11°♎18'31		morning rise	1586 Feb 26 19:32	25°♎43'51	
morning max el	1585 Apr 06 11:30	18°♎53'40	27°40'02	direct	1586 Mar 05 18:41	23°♎04'52	
	1585 Apr 15 20:46	0°♎		desc. node	1586 Mar 12 14:42	25°♎14'23	
	1585 May 04 02:08	0°♎			1586 Mar 18 16:49	0°♎	
morning set	1585 May 08 17:47	9°♎17'30		morning max el	1586 Mar 19 17:32	1°♎00'05	27°47'35
asc. node	1585 May 14 03:15	20°♎45'34			1586 Apr 09 23:46	0°♎	
max. Earth dist.	1585 May 14 22:26	22°♎30'02	1.32287 AU	morning set	1586 Apr 22 18:31	23°♎34'01	
					1586 Apr 25 21:39	0°♎	
superior conj	1585 May 15 23:48	24°♎48'52	0°19'32	max. Earth dist.	1586 Apr 28 05:45	4°♎56'30	1.32751 AU
minimum elong	1585 May 15 22:56	24°♎44'03	0°19'20				
	1585 May 18 08:33	0°♎		superior conj	1586 Apr 30 08:43	9°♎30'29	-0°06'53
evening rise	1585 May 22 20:48	9°♎45'20		minimum elong	1586 Apr 30 09:03	9°♎32'16	0°06'48
	1585 Jun 02 06:54	0°♎		behind sun begin	1586 Apr 30 04:18	9°♎06'37	
evening max el	1585 Jun 18 15:41	22°♎16'52	25°16'31	behind sun end	1586 Apr 30 13:47	9°♎57'56	
desc. node	1585 Jun 21 16:55	24°♎56'11		asc. node	1586 May 01 00:19	10°♎54'59	
retrograde	1585 Jul 02 16:03	29°♎24'52		evening rise	1586 May 07 08:38	24°♎36'50	
evening set	1585 Jul 08 06:04	28°♎12'31			1586 May 09 22:41	0°♎	
min. Earth dist.	1585 Jul 13 03:32	25°♎28'42	0.57799 AU		1586 May 28 11:35	0°♎	
inferior conj	1585 Jul 16 06:21	23°♎20'18	-4°54'54	evening max el	1586 May 31 05:49	2°♎53'29	23°44'27
minimum elong	1585 Jul 16 05:24	23°♎21'55	4°54'53	desc. node	1586 Jun 08 13:56	8°♎40'20	
morning rise	1585 Jul 24 07:21	19°♎06'06		retrograde	1586 Jun 13 22:55	9°♎45'54	
direct	1585 Jul 26 20:32	18°♎46'33		evening set	1586 Jun 18 01:55	9°♎08'28	
morning max el	1585 Aug 04 12:51	22°♎51'18	18°58'15	min. Earth dist.	1586 Jun 24 16:26	6°♎01'47	0.56111 AU

inferior conj	1586 Jun 26 22:23	4°☿40'14	-4°25'23	minimum elong	1587 Jun 06 14:11	15°♊30'58	3°06'04
minimum elong	1586 Jun 26 16:18	4°☿49'27	4°24'22	morning rise	1587 Jun 15 17:15	11°♊27'26	
morning rise	1586 Jul 05 09:21	0°☿42'57		direct	1587 Jun 18 17:14	11°♊07'17	
direct	1586 Jul 08 02:40	0°☿24'11		morning max el	1587 Jun 30 11:45	16°♊37'20	21°24'45
morning max el	1586 Jul 18 06:01	5°☿06'07	20°01'29		1587 Jul 10 19:24	0°☿	
asc. node	1586 Jul 27 23:32	18°☿04'54		asc. node	1587 Jul 14 20:37	7°☿07'51	
	1586 Aug 03 09:06	0°♊		morning set	1587 Jul 20 17:14	18°☿45'31	
morning set	1586 Aug 05 08:47	3°♊59'28			1587 Jul 26 01:56	0°♊	
superior conj	1586 Aug 13 03:18	19°♊48'08	1°45'59	superior conj	1587 Jul 28 01:38	4°♊09'08	1°41'37
minimum elong	1586 Aug 13 03:09	19°♊47'24	1°46'00	minimum elong	1587 Jul 28 00:10	4°♊01'30	1°41'32
	1586 Aug 18 08:25	0°♊		max. Earth dist.	1587 Aug 01 02:35	12°♊24'28	1.35165 AU
max. Earth dist.	1586 Aug 18 15:01	0°♊31'24	1.36872 AU	evening rise	1587 Aug 05 10:38	20°♊52'57	
evening rise	1586 Aug 22 11:44	7°♊41'54			1587 Aug 10 09:24	0°♊	
desc. node	1586 Sep 04 13:15	29°♊38'06		desc. node	1587 Aug 22 10:17	19°♊44'06	
	1586 Sep 04 18:55	0°♊			1587 Aug 29 16:12	0°♊	
evening max el	1586 Sep 27 06:57	29°♊18'57	25°43'55	evening max el	1587 Sep 09 19:13	12°♊56'13	26°41'40
	1586 Sep 28 00:05	0°♊		retrograde	1587 Sep 22 18:45	20°♊10'29	
retrograde	1586 Oct 09 14:12	6°♊20'54		evening set	1587 Sep 29 09:48	17°♊28'23	
evening set	1586 Oct 15 15:56	3°♊48'40		min. Earth dist.	1587 Oct 03 10:33	13°♊21'01	0.65930 AU
	1586 Oct 19 06:06	30°♊		inferior conj	1587 Oct 05 04:22	11°♊16'58	-1°53'36
min. Earth dist.	1586 Oct 19 23:56	29°♊04'30	0.66885 AU	minimum elong	1587 Oct 05 07:22	11°♊08'02	1°52'25
inferior conj	1586 Oct 21 05:54	27°♊29'09	-0°55'42	asc. node	1587 Oct 10 19:49	5°♊47'38	
minimum elong	1586 Oct 21 07:21	27°♊24'34	0°55'05	morning rise	1587 Oct 11 05:30	5°♊33'47	
asc. node	1586 Oct 23 22:47	24°♊13'15		direct	1587 Oct 14 03:15	4°♊46'38	
morning rise	1586 Oct 26 23:01	21°♊34'28		morning max el	1587 Oct 20 18:08	8°♊24'04	18°27'26
direct	1586 Oct 30 05:36	20°♊32'40			1587 Nov 04 19:53	0°♊	
morning max el	1586 Nov 06 06:09	24°♊29'07	19°10'52	morning set	1587 Nov 09 13:26	7°♊36'53	
	1586 Nov 10 21:56	0°♊		desc. node	1587 Nov 18 09:33	21°♊44'27	
morning set	1586 Nov 29 08:26	27°♊41'25			1587 Nov 23 15:03	0°♊	
	1586 Nov 30 19:59	0°♊		superior conj	1587 Nov 25 02:59	2°♊21'23	-0°43'50
desc. node	1586 Dec 01 12:30	1°♊04'23		minimum elong	1587 Nov 24 21:21	1°♊59'11	0°43'06
max. Earth dist.	1586 Dec 13 10:48	19°♊45'34	1.44799 AU	max. Earth dist.	1587 Nov 26 05:47	4°♊06'40	1.45131 AU
superior conj	1586 Dec 16 01:46	23°♊54'27	-1°27'32	evening rise	1587 Dec 11 06:10	27°♊42'42	
minimum elong	1586 Dec 15 17:02	23°♊19'48	1°26'39		1587 Dec 12 16:57	0°♊	
	1586 Dec 19 21:37	0°♊		greatest brilliancy	1587 Dec 21 02:14	13°♊11'32	-0.8m
evening rise	1586 Dec 30 19:04	17°♊41'07			1588 Jan 02 00:10	0°♊	
	1587 Jan 07 06:42	0°♊		evening max el	1588 Jan 03 00:28	1°♊05'18	19°09'17
evening max el	1587 Jan 19 14:57	17°♊37'59	18°31'19	asc. node	1588 Jan 06 19:08	4°♊08'55	
asc. node	1587 Jan 19 22:06	17°♊55'52		retrograde	1588 Jan 09 23:59	5°♊04'21	
retrograde	1587 Jan 26 04:26	21°♊14'48		evening set	1588 Jan 13 08:17	3°♊59'09	
evening set	1587 Jan 29 06:21	20°♊21'56			1588 Jan 17 11:12	30°♊	
inferior conj	1587 Feb 04 02:31	14°♊49'02	3°38'48	inferior conj	1588 Jan 18 22:31	28°♊09'43	3°18'38
minimum elong	1587 Feb 04 01:06	14°♊53'14	3°38'40	minimum elong	1588 Jan 18 20:10	28°♊17'13	3°18'11
min. Earth dist.	1587 Feb 06 04:19	12°♊22'34	0.64573 AU	min. Earth dist.	1588 Jan 20 09:05	26°♊19'47	0.65960 AU
morning rise	1587 Feb 09 19:20	8°♊41'25		morning rise	1588 Jan 24 07:47	21°♊58'15	
direct	1587 Feb 16 15:04	5°♊50'22		direct	1588 Jan 30 17:50	19°♊09'05	
desc. node	1587 Feb 27 11:44	11°♊11'46		morning max el	1588 Feb 12 12:27	26°♊41'39	26°22'48
morning max el	1587 Mar 02 02:39	13°♊39'45	27°19'46	desc. node	1588 Feb 14 08:46	28°♊37'30	
	1587 Mar 15 07:57	0°♊			1588 Feb 15 14:35	0°♊	
	1587 Apr 02 14:13	0°♊			1588 Mar 07 22:35	0°♊	
morning set	1587 Apr 06 10:49	7°♊21'28		morning set	1588 Mar 19 15:00	20°♊28'47	
max. Earth dist.	1587 Apr 11 05:01	16°♊54'52	1.33643 AU	max. Earth dist.	1588 Mar 23 17:13	28°♊20'30	1.34987 AU
					1588 Mar 24 13:24	0°♊	
superior conj	1587 Apr 14 13:24	23°♊54'51	-0°34'28	superior conj	1588 Mar 28 11:33	7°♊54'52	-1°02'00
minimum elong	1587 Apr 14 15:07	24°♊03'56	0°34'06	minimum elong	1588 Mar 28 14:38	8°♊10'40	1°01'26
	1587 Apr 17 10:03	0°♊		asc. node	1588 Apr 03 18:27	20°♊58'09	
asc. node	1587 Apr 17 21:24	1°♊00'39		evening rise	1588 Apr 05 04:11	23°♊52'52	
evening rise	1587 Apr 21 19:45	9°♊21'31			1588 Apr 08 04:32	0°♊	
	1587 May 02 16:20	0°♊		evening max el	1588 Apr 23 23:36	24°♊21'59	20°43'07
evening max el	1587 May 12 22:15	13°♊25'41	22°08'56	retrograde	1588 May 05 06:33	29°♊50'57	
retrograde	1587 May 25 17:25	19°♊44'20		evening set	1588 May 07 09:29	29°♊40'05	
desc. node	1587 May 26 10:57	19°♊43'07		desc. node	1588 May 12 07:59	28°♊01'29	
evening set	1587 May 28 12:47	19°♊26'53		inferior conj	1588 May 16 15:41	25°♊42'15	-1°15'13
min. Earth dist.	1587 Jun 06 04:07	15°♊45'05	0.55098 AU	minimum elong	1588 May 16 12:07	25°♊47'21	1°13'56
inferior conj	1587 Jun 06 21:48	15°♊20'15	-3°08'19				

min. Earth dist.	1588 May 17 16:40	25°♄06'30	0.54998 AU	inferior conj	1589 Apr 26 18:43	6°♄18'10	0°41'39
morning rise	1588 May 25 14:10	21°♄34'21		minimum elong	1589 Apr 26 20:28	6°♄15'22	0°41'02
direct	1588 May 29 03:02	21°♄07'25		desc. node	1589 Apr 29 05:00	4°♄45'35	
morning max el	1588 Jun 11 07:44	27°♄28'53	23°02'34	min. Earth dist.	1589 Apr 29 07:08	4°♄42'16	0.55848 AU
	1588 Jun 13 19:17	0°♄		morning rise	1589 May 05 10:29	1°♄38'57	
asc. node	1588 Jun 30 17:40	26°♄36'22		direct	1589 May 09 21:29	0°♄54'14	
	1588 Jul 02 09:55	0°♄		morning max el	1589 May 23 22:41	7°♄58'38	24°43'57
morning set	1588 Jul 04 04:13	3°♄39'34			1589 Jun 09 02:23	0°♄	
				asc. node	1589 Jun 17 14:43	16°♄23'32	
superior conj	1588 Jul 11 06:37	18°♄49'57	1°31'12	morning set	1589 Jun 18 16:05	18°♄36'23	
minimum elong	1588 Jul 11 04:24	18°♄38'06	1°30'57		1589 Jun 23 22:53	0°♄	
max. Earth dist.	1588 Jul 13 23:10	24°♄31'40	1.33832 AU				
	1588 Jul 16 14:39	0°♄		superior conj	1589 Jun 25 15:46	3°♄42'49	1°15'51
evening rise	1588 Jul 18 23:07	4°♄43'45		minimum elong	1589 Jun 25 13:21	3°♄29'37	1°15'29
	1588 Aug 02 02:24	0°♄		max. Earth dist.	1589 Jun 27 04:01	6°♄59'25	1.32906 AU
desc. node	1588 Aug 08 07:19	9°♄23'11		evening rise	1589 Jul 02 21:24	19°♄03'33	
evening max el	1588 Aug 22 07:00	26°♄20'07	27°17'25		1589 Jul 08 11:17	0°♄	
	1588 Aug 26 14:44	0°♄		desc. node	1589 Jul 26 04:19	28°♄24'04	
retrograde	1588 Sep 04 17:42	3°♄38'52			1589 Jul 27 09:47	0°♄	
evening set	1588 Sep 11 18:47	0°♄55'05		evening max el	1589 Aug 04 16:45	9°♄19'05	27°24'45
	1588 Sep 12 21:20	30°♄		retrograde	1589 Aug 18 10:35	16°♄36'53	
min. Earth dist.	1588 Sep 15 13:03	27°♄23'42	0.64612 AU	evening set	1589 Aug 25 15:35	14°♄03'13	
inferior conj	1588 Sep 17 19:36	24°♄55'42	-2°50'52	min. Earth dist.	1589 Aug 29 05:51	11°♄02'37	0.62947 AU
minimum elong	1588 Sep 18 00:01	24°♄43'41	2°49'19	inferior conj	1589 Sep 01 00:53	8°♄19'23	-3°44'05
morning rise	1588 Sep 24 06:12	19°♄27'16		minimum elong	1589 Sep 01 06:06	8°♄06'39	3°42'40
direct	1588 Sep 26 21:28	18°♄51'08		morning rise	1589 Sep 07 21:59	3°♄08'49	
asc. node	1588 Sep 26 16:51	18°♄51'20		direct	1589 Sep 10 09:22	2°♄40'21	
morning max el	1588 Oct 03 09:33	22°♄18'42	18°00'50	asc. node	1589 Sep 13 13:53	3°♄28'42	
	1588 Oct 09 09:30	0°♄		morning max el	1589 Sep 17 01:33	6°♄06'22	17°51'53
morning set	1588 Oct 20 23:06	18°♄56'16			1589 Oct 02 13:34	0°♄	
	1588 Oct 27 14:08	0°♄		morning set	1589 Oct 03 08:30	1°♄23'38	
superior conj	1588 Nov 03 13:08	11°♄19'42	0°04'54	superior conj	1589 Oct 14 23:29	21°♄30'25	0°47'23
minimum elong	1588 Nov 03 13:43	11°♄22'02	0°04'50	minimum elong	1589 Oct 15 03:43	21°♄48'09	0°46'48
behind sun begin	1588 Nov 03 03:39	10°♄41'35			1589 Oct 20 02:55	0°♄	
behind sun end	1588 Nov 03 23:47	12°♄02'26		max. Earth dist.	1589 Oct 21 16:09	2°♄30'48	1.43619 AU
desc. node	1588 Nov 04 06:35	12°♄29'43		desc. node	1589 Oct 22 03:37	3°♄16'55	
max. Earth dist.	1588 Nov 08 00:32	18°♄27'38	1.44715 AU	evening rise	1589 Oct 30 05:21	16°♄00'52	
	1588 Nov 15 09:16	0°♄			1589 Nov 08 10:05	0°♄	
evening rise	1588 Nov 19 21:25	6°♄58'35		evening max el	1589 Nov 29 04:49	28°♄04'11	21°10'06
greatest brilliancy	1588 Dec 04 00:23	28°♄25'54	-0.6m		1589 Dec 01 05:39	0°♄	
	1588 Dec 05 01:59	0°♄		retrograde	1589 Dec 07 19:18	3°♄10'35	
evening max el	1588 Dec 16 05:24	14°♄34'22	20°03'07	asc. node	1589 Dec 10 13:09	2°♄28'36	
retrograde	1588 Dec 23 21:42	19°♄04'17		evening set	1589 Dec 11 21:22	1°♄36'26	
asc. node	1588 Dec 23 16:08	19°♄03'59			1589 Dec 13 14:54	30°♄	
evening set	1588 Dec 27 13:56	17°♄45'23		inferior conj	1589 Dec 17 06:06	25°♄23'03	2°08'37
inferior conj	1589 Jan 02 00:30	11°♄42'22	2°47'47	minimum elong	1589 Dec 17 03:39	25°♄31'29	2°07'47
minimum elong	1589 Jan 01 21:50	11°♄51'17	2°47'03	min. Earth dist.	1589 Dec 17 14:44	24°♄53'17	0.67545 AU
min. Earth dist.	1589 Jan 02 21:20	10°♄32'32	0.66943 AU	morning rise	1589 Dec 22 09:46	19°♄09'57	
morning rise	1589 Jan 07 05:33	5°♄29'05		direct	1589 Dec 27 15:39	16°♄52'48	
direct	1589 Jan 13 02:15	2°♄52'30		morning max el	1590 Jan 07 05:52	23°♄11'36	23°38'27
morning max el	1589 Jan 24 21:20	9°♄54'31	25°05'39		1590 Jan 13 05:52	0°♄	
desc. node	1589 Jan 31 05:49	17°♄06'08		desc. node	1590 Jan 18 02:50	6°♄19'01	
	1589 Feb 09 19:39	0°♄			1590 Feb 03 05:00	0°♄	
	1589 Feb 28 13:38	0°♄		morning set	1590 Feb 11 13:55	13°♄43'24	
morning set	1589 Mar 02 02:08	2°♄42'02		max. Earth dist.	1590 Feb 15 13:00	20°♄34'33	1.38837 AU
max. Earth dist.	1589 Mar 05 18:13	9°♄23'49	1.36757 AU		1590 Feb 20 18:29	0°♄	
superior conj	1589 Mar 12 00:15	21°♄22'36	-1°27'41	superior conj	1590 Feb 22 23:40	4°♄07'25	-1°48'57
minimum elong	1589 Mar 12 04:18	21°♄42'34	1°27'07	minimum elong	1590 Feb 23 03:40	4°♄26'15	1°48'37
	1589 Mar 16 07:52	0°♄		evening rise	1590 Mar 04 03:41	21°♄47'14	
evening rise	1589 Mar 20 07:44	8°♄04'09			1590 Mar 08 10:30	0°♄	
asc. node	1589 Mar 21 15:29	10°♄43'02		asc. node	1590 Mar 08 12:30	0°♄09'20	
	1589 Apr 01 13:29	0°♄		evening max el	1590 Mar 20 12:17	18°♄10'32	18°45'30
evening max el	1589 Apr 06 12:43	5°♄57'28	19°34'29	retrograde	1590 Mar 28 14:26	22°♄06'42	
retrograde	1589 Apr 16 02:20	10°♄34'22		evening set	1590 Mar 30 21:05	21°♄49'11	
evening set	1589 Apr 18 03:46	10°♄22'29		inferior conj	1590 Apr 07 16:34	17°♄28'02	2°13'53

minimum elong	1590 Apr 07 20:37	17° $\Upsilon$ 20'33	2°12'45	min. Earth dist.	1591 Mar 23 21:31	26° $\text{H}$ 22'20	0.59516 AU
min. Earth dist.	1590 Apr 11 00:06	15° $\Upsilon$ 02'00	0.57466 AU	morning rise	1591 Mar 27 17:24	23° $\text{H}$ 39'38	
morning rise	1590 Apr 15 17:01	12° $\Upsilon$ 15'29		desc. node	1591 Apr 02 23:04	21° $\text{H}$ 47'35	
desc. node	1590 Apr 16 02:02	12° $\Upsilon$ 05'46		direct	1591 Apr 03 03:16	21° $\text{H}$ 47'30	
direct	1590 Apr 21 06:00	11° $\Upsilon$ 00'08		morning max el	1591 Apr 17 11:02	29° $\text{H}$ 33'45	27°18'34
morning max el	1590 May 05 14:17	18° $\Upsilon$ 31'48	26°14'09		1591 Apr 17 21:37	0° $\Upsilon$	
	1590 May 15 04:49	0° $\text{B}$			1591 May 09 01:58	0° $\text{B}$	
	1590 Jun 01 10:49	0° $\Pi$		morning set	1591 May 18 11:53	18° $\text{B}$ 14'53	
morning set	1590 Jun 03 03:11	3° $\Pi$ 30'03		asc. node	1591 May 22 08:49	26° $\text{B}$ 29'46	
asc. node	1590 Jun 04 11:46	6° $\Pi$ 22'57			1591 May 23 23:23	0° $\Pi$	
				max. Earth dist.	1591 May 25 02:55	2° $\Pi$ 31'04	1.32215 AU
superior conj	1590 Jun 10 03:06	18° $\Pi$ 40'24	0°56'29				
minimum elong	1590 Jun 10 00:57	18° $\Pi$ 28'37	0°56'05	superior conj	1591 May 25 14:50	3° $\Pi$ 36'32	0°33'48
max. Earth dist.	1590 Jun 10 14:28	19° $\Pi$ 42'52	1.32371 AU	minimum elong	1591 May 25 13:23	3° $\Pi$ 28'35	0°33'30
	1590 Jun 15 08:13	0° $\text{C}$		evening rise	1591 Jun 01 11:40	18° $\Pi$ 32'00	
evening rise	1590 Jun 17 02:24	3° $\text{C}$ 42'24			1591 Jun 07 03:30	0° $\text{C}$	
	1590 Jul 01 06:02	0° $\Omega$			1591 Jun 26 16:26	0° $\Omega$	
desc. node	1590 Jul 13 01:20	16° $\Omega$ 30'57		desc. node	1591 Jun 29 22:21	3° $\Omega$ 21'13	
evening max el	1590 Jul 17 22:06	21° $\Omega$ 41'12	26°59'32	evening max el	1591 Jun 29 20:43	3° $\Omega$ 17'18	26°01'51
retrograde	1590 Jul 31 20:13	28° $\Omega$ 55'34		retrograde	1591 Jul 13 20:53	10° $\Omega$ 27'45	
evening set	1590 Aug 07 19:59	26° $\Omega$ 45'37		evening set	1591 Jul 20 03:13	8° $\Omega$ 52'56	
min. Earth dist.	1590 Aug 11 12:21	24° $\Omega$ 04'50	0.61006 AU	min. Earth dist.	1591 Jul 24 09:18	6° $\Omega$ 15'38	0.58946 AU
inferior conj	1590 Aug 14 17:02	21° $\Omega$ 20'24	-4°27'49	inferior conj	1591 Jul 27 16:23	3° $\Omega$ 48'31	-4°53'19
minimum elong	1590 Aug 14 21:39	21° $\Omega$ 10'26	4°27'01	minimum elong	1591 Jul 27 18:10	3° $\Omega$ 45'10	4°53'14
morning rise	1590 Aug 22 01:05	16° $\Omega$ 30'35			1591 Aug 02 16:27	30° $\text{R}$ $\text{C}$	
direct	1590 Aug 24 11:20	16° $\Omega$ 06'59		morning rise	1591 Aug 04 11:18	29° $\text{C}$ 21'29	
asc. node	1590 Aug 31 10:57	19° $\Omega$ 29'55		direct	1591 Aug 06 23:04	29° $\text{C}$ 00'41	
morning max el	1590 Aug 31 15:04	19° $\Omega$ 39'50	18°01'43		1591 Aug 11 00:52	0° $\Omega$	
	1590 Sep 08 06:08	0° $\text{P}$		morning max el	1591 Aug 14 22:59	2° $\Omega$ 50'07	18°31'36
morning set	1590 Sep 16 11:30	14° $\text{P}$ 41'49		asc. node	1591 Aug 18 08:01	6° $\Omega$ 39'31	
	1590 Sep 24 20:12	0° $\text{L}$		morning set	1591 Aug 31 02:58	28° $\Omega$ 36'11	
					1591 Aug 31 20:21	0° $\text{P}$	
superior conj	1590 Sep 26 12:49	3° $\text{L}$ 00'33	1°18'11				
minimum elong	1590 Sep 26 17:14	3° $\text{L}$ 20'01	1°17'43	superior conj	1591 Sep 09 00:47	15° $\text{P}$ 37'35	1°36'56
max. Earth dist.	1590 Oct 04 03:08	16° $\text{L}$ 02'31	1.41987 AU	minimum elong	1591 Sep 09 03:35	15° $\text{P}$ 50'39	1°36'45
desc. node	1590 Oct 09 00:38	24° $\text{L}$ 02'59		max. Earth dist.	1591 Sep 16 09:14	28° $\text{P}$ 52'38	1.40024 AU
evening rise	1590 Oct 09 23:29	25° $\text{L}$ 34'27			1591 Sep 17 00:45	0° $\text{L}$	
	1590 Oct 12 18:41	0° $\text{M}$		evening rise	1591 Sep 20 15:21	6° $\text{L}$ 08'16	
	1590 Nov 02 07:20	0° $\text{J}$		desc. node	1591 Sep 25 21:40	14° $\text{L}$ 43'55	
evening max el	1590 Nov 11 22:55	11° $\text{J}$ 35'57	22°26'14		1591 Oct 05 21:43	0° $\text{M}$	
retrograde	1590 Nov 21 15:01	17° $\text{J}$ 20'51		evening max el	1591 Oct 25 12:57	25° $\text{M}$ 10'08	23°46'14
evening set	1590 Nov 26 04:54	15° $\text{J}$ 29'57			1591 Oct 31 11:32	0° $\text{J}$	
asc. node	1590 Nov 27 10:10	14° $\text{J}$ 22'19		retrograde	1591 Nov 05 07:35	1° $\text{J}$ 31'11	
inferior conj	1590 Dec 01 13:22	9° $\text{J}$ 09'48	1°22'53		1591 Nov 09 15:56	30° $\text{R}$ $\text{M}$	
minimum elong	1590 Dec 01 11:35	9° $\text{J}$ 15'59	1°22'10	evening set	1591 Nov 10 10:54	29° $\text{M}$ 22'55	
min. Earth dist.	1590 Dec 01 10:55	9° $\text{J}$ 18'17	0.67793 AU	asc. node	1591 Nov 14 07:13	25° $\text{M}$ 05'21	
morning rise	1590 Dec 06 18:07	2° $\text{J}$ 58'56		inferior conj	1591 Nov 15 20:29	22° $\text{M}$ 59'42	0°31'55
direct	1590 Dec 11 09:04	1° $\text{J}$ 04'20		minimum elong	1591 Nov 15 19:43	23° $\text{M}$ 02'16	0°31'36
morning max el	1590 Dec 20 17:20	6° $\text{J}$ 34'48	22°11'01	min. Earth dist.	1591 Nov 15 07:26	23° $\text{M}$ 44'06	0.67702 AU
desc. node	1591 Jan 04 23:52	26° $\text{J}$ 03'53		morning rise	1591 Nov 21 04:31	16° $\text{M}$ 53'19	
	1591 Jan 07 17:05	0° $\text{Z}$		direct	1591 Nov 25 05:29	15° $\text{M}$ 21'18	
morning set	1591 Jan 22 21:07	23° $\text{Z}$ 21'06		morning max el	1591 Dec 03 11:12	20° $\text{M}$ 07'39	20°50'57
	1591 Jan 26 22:25	0° $\approx$			1591 Dec 11 14:41	0° $\text{J}$	
max. Earth dist.	1591 Jan 28 10:11	2° $\approx$ 29'31	1.40978 AU	desc. node	1591 Dec 22 20:54	16° $\text{J}$ 11'17	
					1591 Dec 31 22:29	0° $\text{Z}$	
superior conj	1591 Feb 05 05:06	15° $\approx$ 58'08	-2°02'12	morning set	1592 Jan 02 02:00	1° $\text{Z}$ 47'01	
minimum elong	1591 Feb 05 07:10	16° $\approx$ 07'24	2°02'09	max. Earth dist.	1592 Jan 10 14:51	15° $\text{Z}$ 21'37	1.42873 AU
	1591 Feb 12 21:36	0° $\text{H}$					
evening rise	1591 Feb 15 12:50	4° $\text{H}$ 54'57		superior conj	1592 Jan 17 11:10	26° $\text{Z}$ 41'43	-2°02'46
asc. node	1591 Feb 23 09:31	19° $\text{H}$ 11'00		minimum elong	1592 Jan 17 08:51	26° $\text{Z}$ 31'57	2°02'42
	1591 Mar 02 22:26	0° $\Upsilon$			1592 Jan 19 09:53	0° $\approx$	
evening max el	1591 Mar 03 19:20	0° $\Upsilon$ 53'44	18°16'33	evening rise	1592 Jan 29 07:14	17° $\approx$ 18'37	
retrograde	1591 Mar 10 21:31	4° $\Upsilon$ 25'54			1592 Feb 05 12:10	0° $\text{H}$	
evening set	1591 Mar 13 10:03	4° $\Upsilon$ 00'02		asc. node	1592 Feb 10 06:33	7° $\text{H}$ 40'09	
	1591 Mar 19 16:00	30° $\text{R}$ $\text{H}$		evening max el	1592 Feb 15 06:37	13° $\text{H}$ 58'05	18°07'21
inferior conj	1591 Mar 20 11:37	29° $\text{H}$ 17'56	3°12'01	retrograde	1592 Feb 21 20:28	17° $\text{H}$ 22'07	
minimum elong	1591 Mar 20 14:55	29° $\text{H}$ 10'49	3°11'25	evening set	1592 Feb 24 14:07	16° $\text{H}$ 46'33	

inferior conj	1592 Mar 02 01:26	11° $\text{H}$ 43'30	3°39'47		1593 Feb 01 08:37	0° $\text{H}$	
minimum elong	1592 Mar 02 02:44	11° $\text{H}$ 40'15	3°39'40	retrograde	1593 Feb 04 06:31	0° $\text{H}$ 44'46	
min. Earth dist.	1592 Mar 05 02:24	8° $\text{H}$ 43'07	0.61640 AU	evening set	1593 Feb 07 05:10	29° $\approx$ 58'38	
morning rise	1592 Mar 08 13:54	5° $\text{H}$ 48'36			1593 Feb 07 04:06	30° $\text{R}$ $\approx$	
direct	1592 Mar 15 10:53	3° $\text{H}$ 23'45		inferior conj	1593 Feb 13 05:56	24° $\approx$ 36'08	3°44'16
desc. node	1592 Mar 19 20:06	4° $\text{H}$ 16'59		minimum elong	1593 Feb 13 05:20	24° $\approx$ 37'47	3°44'15
morning max el	1592 Mar 29 14:18	11° $\text{H}$ 17'37	27°47'55	min. Earth dist.	1593 Feb 15 16:41	21° $\approx$ 52'36	0.63587 AU
	1592 Apr 13 07:00	0° $\text{Y}$		morning rise	1593 Feb 19 04:43	18° $\approx$ 31'38	
	1592 Apr 30 07:45	0° $\text{Z}$		direct	1593 Feb 26 03:09	15° $\approx$ 45'48	
morning set	1592 May 01 16:15	2° $\text{Z}$ 44'45		desc. node	1593 Mar 06 17:09	19° $\approx$ 08'49	
max. Earth dist.	1592 May 07 13:32	15° $\text{Z}$ 11'07	1.32439 AU	morning max el	1593 Mar 11 22:14	23° $\approx$ 40'26	27°39'58
asc. node	1592 May 08 05:53	16° $\text{Z}$ 39'49			1593 Mar 17 14:30	0° $\text{H}$	
					1593 Apr 06 14:15	0° $\text{Y}$	
superior conj	1592 May 09 01:19	18° $\text{Z}$ 25'42	0°08'34	morning set	1593 Apr 15 13:49	16° $\text{Y}$ 50'38	
minimum elong	1592 May 09 00:55	18° $\text{Z}$ 23'31	0°08'29	max. Earth dist.	1593 Apr 20 18:00	27° $\text{Y}$ 27'40	1.33073 AU
behind sun begin	1592 May 08 20:34	17° $\text{Z}$ 59'48			1593 Apr 21 22:47	0° $\text{Z}$	
behind sun end	1592 May 09 05:16	18° $\text{Z}$ 47'15					
	1592 May 14 08:45	0° $\text{II}$		superior conj	1593 Apr 23 08:40	3° $\text{Z}$ 00'56	-0°18'28
evening rise	1592 May 15 23:09	3° $\text{II}$ 25'24		minimum elong	1593 Apr 23 09:34	3° $\text{Z}$ 05'48	0°18'17
	1592 May 30 06:39	0° $\text{E}$		asc. node	1593 Apr 25 02:55	6° $\text{Z}$ 48'13	
evening max el	1592 Jun 10 12:41	14° $\text{E}$ 10'34	24°38'40	evening rise	1593 Apr 30 10:55	18° $\text{Z}$ 14'56	
desc. node	1592 Jun 15 19:23	18° $\text{E}$ 24'38			1593 May 06 06:15	0° $\text{II}$	
retrograde	1592 Jun 24 10:56	21° $\text{E}$ 13'38		evening max el	1593 May 23 02:40	24° $\text{II}$ 41'05	23°03'20
evening set	1592 Jun 29 10:58	20° $\text{E}$ 17'11			1593 May 30 12:27	0° $\text{E}$	
min. Earth dist.	1592 Jul 04 23:49	17° $\text{E}$ 25'30	0.57024 AU	desc. node	1593 Jun 02 16:25	1° $\text{E}$ 03'59	
inferior conj	1592 Jul 07 20:04	15° $\text{E}$ 35'08	-4°47'57	retrograde	1593 Jun 05 12:44	1° $\text{E}$ 22'27	
minimum elong	1592 Jul 07 16:50	15° $\text{E}$ 40'24	4°47'40	evening set	1593 Jun 09 00:54	0° $\text{E}$ 55'27	
morning rise	1592 Jul 16 01:26	11° $\text{E}$ 29'29			1593 Jun 11 18:43	30° $\text{R}$ $\text{II}$	
direct	1592 Jul 18 16:23	11° $\text{E}$ 10'21		min. Earth dist.	1593 Jun 16 11:56	27° $\text{II}$ 35'17	0.55580 AU
morning max el	1592 Jul 27 22:21	15° $\text{E}$ 28'44	19°22'35	inferior conj	1593 Jun 18 04:11	26° $\text{II}$ 36'47	-3°58'28
asc. node	1592 Aug 04 05:06	24° $\text{E}$ 43'07		minimum elong	1593 Jun 17 20:45	26° $\text{II}$ 47'37	3°56'47
	1592 Aug 07 08:33	0° $\Omega$		morning rise	1593 Jun 26 19:09	22° $\text{II}$ 43'39	
morning set	1592 Aug 14 03:11	12° $\Omega$ 56'53		direct	1593 Jun 29 14:33	22° $\text{II}$ 24'53	
				morning max el	1593 Jul 10 10:49	27° $\text{II}$ 26'08	20°34'39
superior conj	1592 Aug 22 05:48	29° $\Omega$ 06'24	1°45'12		1593 Jul 12 22:40	0° $\text{E}$	
minimum elong	1592 Aug 22 06:39	29° $\Omega$ 10'34	1°45'11	asc. node	1593 Jul 22 02:10	13° $\text{E}$ 27'12	
	1592 Aug 22 16:48	0° $\text{M}$		morning set	1593 Jul 29 09:15	27° $\text{E}$ 35'16	
max. Earth dist.	1592 Aug 28 13:00	11° $\text{M}$ 03'36	1.37983 AU		1593 Jul 30 13:24	0° $\Omega$	
evening rise	1592 Sep 01 07:25	17° $\text{M}$ 50'24					
	1592 Sep 08 11:41	0° $\text{A}$		superior conj	1593 Aug 05 22:55	13° $\Omega$ 11'42	1°44'57
desc. node	1592 Sep 11 18:42	5° $\text{A}$ 15'49		minimum elong	1593 Aug 05 22:09	13° $\Omega$ 07'45	1°44'56
	1592 Sep 29 05:37	0° $\text{M}$		max. Earth dist.	1593 Aug 10 19:46	22° $\Omega$ 53'47	1.36104 AU
evening max el	1592 Oct 07 00:57	8° $\text{M}$ 47'41	25°03'29	evening rise	1593 Aug 14 20:24	0° $\text{M}$ 32'35	
retrograde	1592 Oct 18 20:07	15° $\text{M}$ 38'01			1593 Aug 14 13:23	0° $\text{M}$	
evening set	1592 Oct 24 13:44	13° $\text{M}$ 13'25		desc. node	1593 Aug 29 15:44	25° $\text{M}$ 33'10	
min. Earth dist.	1592 Oct 29 02:00	8° $\text{M}$ 08'58	0.67281 AU		1593 Sep 01 14:49	0° $\text{A}$	
inferior conj	1592 Oct 30 01:43	6° $\text{M}$ 51'13	-0°22'56	evening max el	1593 Sep 19 12:48	22° $\text{A}$ 26'32	26°10'39
minimum elong	1592 Oct 30 02:18	6° $\text{M}$ 49'19	0°22'41	retrograde	1593 Oct 02 03:56	29° $\text{A}$ 35'47	
asc. node	1592 Oct 31 04:18	5° $\text{M}$ 24'59		evening set	1593 Oct 08 11:31	26° $\text{A}$ 58'24	
morning rise	1592 Nov 04 15:01	0° $\text{M}$ 51'37		min. Earth dist.	1593 Oct 12 16:17	22° $\text{A}$ 29'48	0.66519 AU
	1592 Nov 06 06:39	30° $\text{R}$ $\text{A}$		inferior conj	1593 Oct 14 03:14	20° $\text{A}$ 41'32	-1°20'13
direct	1592 Nov 08 03:38	29° $\text{A}$ 39'55		minimum elong	1593 Oct 14 05:20	20° $\text{A}$ 35'01	1°19'21
	1592 Nov 10 02:05	0° $\text{M}$		asc. node	1593 Oct 18 01:21	16° $\text{A}$ 18'32	
morning max el	1592 Nov 15 12:58	3° $\text{M}$ 51'43	19°43'09	morning rise	1593 Oct 19 23:35	14° $\text{A}$ 51'27	
greatest brilliancy	1592 Nov 28 21:20	21° $\text{M}$ 35'41	-0.7m	direct	1593 Oct 23 02:00	13° $\text{A}$ 56'32	
	1592 Dec 04 10:54	0° $\text{Z}$		morning max el	1593 Oct 29 21:47	17° $\text{A}$ 44'03	18°50'20
desc. node	1592 Dec 08 17:56	6° $\text{Z}$ 34'58			1593 Nov 08 05:42	0° $\text{M}$	
morning set	1592 Dec 10 22:26	9° $\text{Z}$ 57'31		morning set	1593 Nov 20 11:17	19° $\text{M}$ 03'19	
max. Earth dist.	1592 Dec 23 02:41	29° $\text{Z}$ 00'43	1.44275 AU	desc. node	1593 Nov 25 14:58	27° $\text{M}$ 10'16	
	1592 Dec 23 17:35	0° $\text{Z}$			1593 Nov 27 10:10	0° $\text{Z}$	
				max. Earth dist.	1593 Dec 05 19:18	13° $\text{Z}$ 09'37	1.45023 AU
superior conj	1592 Dec 27 14:39	6° $\text{Z}$ 12'44	-1°45'54				
minimum elong	1592 Dec 27 07:12	5° $\text{Z}$ 42'40	1°45'20	superior conj	1593 Dec 06 20:49	14° $\text{Z}$ 49'54	-1°10'26
evening rise	1593 Jan 10 06:31	28° $\text{Z}$ 49'56		minimum elong	1593 Dec 06 12:36	14° $\text{Z}$ 17'35	1°09'28
	1593 Jan 10 23:03	0° $\approx$			1593 Dec 16 10:41	0° $\text{Z}$	
asc. node	1593 Jan 27 03:36	25° $\approx$ 26'37		evening rise	1593 Dec 22 07:02	9° $\text{Z}$ 23'34	
evening max el	1593 Jan 28 19:11	27° $\approx$ 15'38	18°17'19		1594 Jan 04 04:50	0° $\approx$	



evening max el	1594 Jan 12 06:27	10° $\approx$ 40'47	18°45'29		1594 Dec 09 09:44	0° $\approx$	
asc. node	1594 Jan 14 00:39	12° $\approx$ 18'03		greatest brilliancy	1594 Dec 14 07:59	7° $\approx$ 34'07	-0.7m
retrograde	1594 Jan 18 23:29	14° $\approx$ 26'09		evening max el	1594 Dec 26 14:15	24° $\approx$ 09'16	19°30'29
evening set	1594 Jan 22 03:52	13° $\approx$ 28'23		asc. node	1594 Dec 31 21:40	27° $\approx$ 59'39	
inferior conj	1594 Jan 27 21:13	7° $\approx$ 48'21	3°31'44	retrograde	1595 Jan 02 20:05	28° $\approx$ 20'14	
minimum elong	1594 Jan 27 19:19	7° $\approx$ 54'09	3°31'29	evening set	1595 Jan 06 07:35	27° $\approx$ 09'27	
min. Earth dist.	1594 Jan 29 16:31	5° $\approx$ 36'15	0.65205 AU	inferior conj	1595 Jan 11 20:02	21° $\approx$ 14'10	3°06'38
morning rise	1594 Feb 02 10:21	1° $\approx$ 38'39		minimum elong	1595 Jan 11 17:28	21° $\approx$ 22'31	3°06'05
	1594 Feb 04 17:04	30° $\approx$ 38'39		min. Earth dist.	1595 Jan 13 00:37	19° $\approx$ 40'57	0.66430 AU
direct	1594 Feb 09 02:36	28° $\approx$ 46'30		morning rise	1595 Jan 17 03:08	15° $\approx$ 01'51	
	1594 Feb 13 21:27	0° $\approx$		direct	1595 Jan 23 07:57	12° $\approx$ 16'40	
desc. node	1594 Feb 21 14:09	5° $\approx$ 47'23		morning max el	1595 Feb 04 17:05	19° $\approx$ 37'45	25°51'48
morning max el	1594 Feb 22 07:54	6° $\approx$ 31'15	26°58'40	desc. node	1595 Feb 08 11:11	23° $\approx$ 42'06	
	1594 Mar 12 10:08	0° $\approx$			1595 Feb 13 13:56	0° $\approx$	
	1594 Mar 29 20:42	0° $\approx$			1595 Mar 05 12:26	0° $\approx$	
morning set	1594 Mar 30 01:29	0° $\approx$ 22'55		morning set	1595 Mar 12 23:00	13° $\approx$ 08'32	
max. Earth dist.	1594 Apr 03 12:34	9° $\approx$ 11'03	1.34151 AU	max. Earth dist.	1595 Mar 16 19:20	20° $\approx$ 22'40	1.35689 AU
					1595 Mar 21 16:47	0° $\approx$	
superior conj	1594 Apr 07 10:52	17° $\approx$ 16'04	-0°46'13	superior conj	1595 Mar 22 05:22	1° $\approx$ 03'17	-1°13'15
minimum elong	1594 Apr 07 13:11	17° $\approx$ 28'09	0°45'46	minimum elong	1595 Mar 22 08:56	1° $\approx$ 21'17	1°12'40
asc. node	1594 Apr 11 23:57	26° $\approx$ 51'04		asc. node	1595 Mar 29 20:59	16° $\approx$ 43'41	
	1594 Apr 13 11:46	0° $\approx$		evening rise	1595 Mar 30 03:40	17° $\approx$ 17'49	
evening rise	1594 Apr 14 21:06	2° $\approx$ 54'39			1595 Apr 05 15:29	0° $\approx$	
	1594 Apr 30 05:45	0° $\approx$		evening max el	1595 Apr 17 04:43	16° $\approx$ 33'42	20°11'41
evening max el	1594 May 04 22:19	5° $\approx$ 21'12	21°30'46	retrograde	1595 Apr 27 17:39	21° $\approx$ 39'14	
retrograde	1594 May 17 03:45	11° $\approx$ 19'54		evening set	1595 Apr 29 18:46	21° $\approx$ 28'33	
evening set	1594 May 19 13:43	11° $\approx$ 06'40		desc. node	1595 May 07 10:24	18° $\approx$ 18'41	
desc. node	1594 May 20 13:25	10° $\approx$ 53'59		inferior conj	1595 May 08 19:34	17° $\approx$ 29'59	-0°24'06
inferior conj	1594 May 28 23:33	7° $\approx$ 05'59	-2°23'10	minimum elong	1595 May 08 18:27	17° $\approx$ 31'39	0°23'41
minimum elong	1594 May 28 17:06	7° $\approx$ 15'00	2°21'03	min. Earth dist.	1595 May 10 13:21	16° $\approx$ 28'08	0.55252 AU
min. Earth dist.	1594 May 29 00:12	7° $\approx$ 05'04	0.54938 AU	morning rise	1595 May 17 16:29	13° $\approx$ 10'15	
morning rise	1594 Jun 06 21:11	3° $\approx$ 08'44		direct	1595 May 21 14:09	12° $\approx$ 37'07	
direct	1594 Jun 10 01:30	2° $\approx$ 46'39		morning max el	1595 Jun 04 04:56	19° $\approx$ 18'19	23°46'01
morning max el	1594 Jun 22 12:03	8° $\approx$ 39'34	22°04'57		1595 Jun 13 03:10	0° $\approx$	
	1594 Jul 07 13:01	0° $\approx$		asc. node	1595 Jun 25 20:15	22° $\approx$ 19'25	
asc. node	1594 Jul 08 23:12	2° $\approx$ 41'53		morning set	1595 Jun 28 06:32	27° $\approx$ 21'24	
morning set	1594 Jul 13 18:57	12° $\approx$ 25'06			1595 Jun 29 12:28	0° $\approx$	
superior conj	1594 Jul 21 00:24	27° $\approx$ 42'10	1°37'52	superior conj	1595 Jul 05 07:25	12° $\approx$ 29'17	1°25'14
minimum elong	1594 Jul 20 22:33	27° $\approx$ 32'24	1°37'42	minimum elong	1595 Jul 05 05:03	12° $\approx$ 16'31	1°24'56
	1594 Jul 22 02:41	0° $\approx$		max. Earth dist.	1595 Jul 07 11:23	17° $\approx$ 07'43	1.33395 AU
max. Earth dist.	1594 Jul 24 10:48	4° $\approx$ 50'07	1.34554 AU	evening rise	1595 Jul 12 18:43	28° $\approx$ 07'26	
evening rise	1594 Jul 29 01:36	14° $\approx$ 02'17			1595 Jul 13 17:16	0° $\approx$	
	1594 Aug 06 19:34	0° $\approx$		desc. node	1595 Jul 31 00:09	0° $\approx$	
desc. node	1594 Aug 16 12:47	15° $\approx$ 28'52			1595 Aug 03 09:47	4° $\approx$ 53'46	
	1594 Aug 27 10:38	0° $\approx$		evening max el	1595 Aug 15 12:35	19° $\approx$ 16'26	27°24'22
evening max el	1594 Sep 02 01:05	5° $\approx$ 59'56	27°00'02	retrograde	1595 Aug 29 02:35	26° $\approx$ 34'22	
retrograde	1594 Sep 15 06:17	13° $\approx$ 17'11		evening set	1595 Sep 05 06:13	23° $\approx$ 53'40	
evening set	1594 Sep 22 01:57	10° $\approx$ 33'26		min. Earth dist.	1595 Sep 08 22:31	20° $\approx$ 36'04	0.63947 AU
min. Earth dist.	1594 Sep 25 23:50	6° $\approx$ 41'21	0.65409 AU	inferior conj	1595 Sep 11 10:21	18° $\approx$ 00'39	-3°14'11
inferior conj	1594 Sep 27 22:55	4° $\approx$ 26'26	-2°18'11	minimum elong	1595 Sep 11 15:13	17° $\approx$ 47'58	3°12'38
minimum elong	1594 Sep 28 02:34	4° $\approx$ 15'58	2°16'48	morning rise	1595 Sep 18 01:17	12° $\approx$ 39'07	
	1594 Oct 02 07:59	30° $\approx$ 38'39		direct	1595 Sep 20 14:40	12° $\approx$ 06'29	
morning rise	1594 Oct 04 03:55	28° $\approx$ 48'52		asc. node	1595 Sep 21 19:25	12° $\approx$ 13'46	
asc. node	1594 Oct 04 22:23	28° $\approx$ 28'54		morning max el	1595 Sep 27 03:30	15° $\approx$ 32'18	17°54'46
direct	1594 Oct 06 22:32	28° $\approx$ 06'52			1595 Oct 07 08:12	0° $\approx$	
	1594 Oct 11 14:53	0° $\approx$		morning set	1595 Oct 14 01:28	11° $\approx$ 27'37	
morning max el	1594 Oct 13 11:30	1° $\approx$ 39'24	18°13'54		1595 Oct 25 01:10	0° $\approx$	
morning set	1594 Nov 01 04:48	29° $\approx$ 35'45		superior conj	1595 Oct 26 18:35	2° $\approx$ 49'46	0°24'09
	1594 Nov 01 10:43	0° $\approx$		minimum elong	1595 Oct 26 21:12	3° $\approx$ 00'25	0°23'47
desc. node	1594 Nov 12 12:01	17° $\approx$ 52'57		desc. node	1595 Oct 30 09:05	8° $\approx$ 39'56	
superior conj	1594 Nov 15 23:11	23° $\approx$ 33'05	-0°23'01	max. Earth dist.	1595 Nov 01 08:34	11° $\approx$ 49'51	1.44335 AU
minimum elong	1594 Nov 15 20:13	23° $\approx$ 11'20	0°22'36	evening rise	1595 Nov 11 18:55	28° $\approx$ 08'52	
max. Earth dist.	1594 Nov 18 14:17	27° $\approx$ 31'54	1.45043 AU		1595 Nov 12 23:51	0° $\approx$	
	1594 Nov 20 03:58	0° $\approx$			1595 Dec 03 08:48	0° $\approx$	
evening rise	1594 Dec 02 08:38	19° $\approx$ 02'40					

evening max el	1595 Dec 09 17:00	7° $\text{Z}$ 39'15	20°30'09		1596 Oct 16 14:17	0° $\text{M}$	
retrograde	1595 Dec 17 17:55	12° $\text{Z}$ 23'37		evening rise	1596 Oct 21 05:13	7° $\text{M}$ 19'33	
asc. node	1595 Dec 18 18:40	12° $\text{Z}$ 17'39			1596 Nov 05 06:40	0° $\text{Z}$	
evening set	1595 Dec 21 14:13	10° $\text{Z}$ 58'14		evening max el	1596 Nov 21 14:01	21° $\text{Z}$ 09'42	21°41'33
inferior conj	1595 Dec 26 23:48	4° $\text{Z}$ 50'27	2°32'02	retrograde	1596 Nov 30 15:00	26° $\text{Z}$ 32'32	
minimum elong	1595 Dec 26 21:10	4° $\text{Z}$ 59'23	2°31'14	evening set	1596 Dec 04 21:56	24° $\text{Z}$ 51'10	
min. Earth dist.	1595 Dec 27 15:14	3° $\text{Z}$ 58'01	0.67255 AU	asc. node	1596 Dec 04 15:41	25° $\text{Z}$ 03'14	
	1595 Dec 30 18:58	30° $\text{R}$ $\text{Z}$		inferior conj	1596 Dec 10 06:22	18° $\text{Z}$ 34'14	1°49'57
morning rise	1596 Jan 01 03:58	28° $\text{Z}$ 37'17		minimum elong	1596 Dec 10 04:09	18° $\text{Z}$ 41'55	1°49'07
direct	1596 Jan 06 18:31	26° $\text{Z}$ 08'28		min. Earth dist.	1596 Dec 10 10:05	18° $\text{Z}$ 21'21	0.67695 AU
	1596 Jan 14 23:02	0° $\text{Z}$		morning rise	1596 Dec 15 10:14	12° $\text{Z}$ 21'57	
morning max el	1596 Jan 18 01:30	2° $\text{Z}$ 52'24	24°29'07	direct	1596 Dec 20 09:35	10° $\text{Z}$ 14'31	
desc. node	1596 Jan 26 08:14	12° $\text{Z}$ 31'19		morning max el	1596 Dec 30 11:03	16° $\text{Z}$ 12'43	23°00'47
	1596 Feb 07 18:10	0° $\approx$			1597 Jan 10 18:35	0° $\text{Z}$	
morning set	1596 Feb 23 00:53	24° $\approx$ 52'28		desc. node	1597 Jan 12 05:19	1° $\text{Z}$ 59'24	
	1596 Feb 25 22:07	0° $\text{H}$			1597 Jan 30 19:06	0° $\approx$	
max. Earth dist.	1596 Feb 26 16:59	1° $\text{H}$ 25'17	1.37622 AU	morning set	1597 Feb 03 01:02	5° $\approx$ 19'38	
				max. Earth dist.	1597 Feb 07 12:21	12° $\approx$ 53'47	1.39757 AU
superior conj	1596 Mar 04 12:54	14° $\text{H}$ 13'46	-1°37'27				
minimum elong	1596 Mar 04 17:06	14° $\text{H}$ 34'05	1°36'57	superior conj	1597 Feb 15 05:19	26° $\approx$ 37'20	-1°55'50
	1596 Mar 12 12:38	0° $\text{Y}$		minimum elong	1597 Feb 15 08:48	26° $\approx$ 53'19	1°55'36
evening rise	1596 Mar 13 04:19	1° $\text{Y}$ 17'52			1597 Feb 17 01:09	0° $\text{H}$	
asc. node	1596 Mar 15 18:00	6° $\text{Y}$ 21'14		evening rise	1597 Feb 24 20:11	14° $\text{H}$ 47'38	
evening max el	1596 Mar 29 22:28	28° $\text{Y}$ 25'04	19°11'09	asc. node	1597 Mar 02 15:02	25° $\text{H}$ 38'23	
	1596 Mar 31 18:05	0° $\text{B}$			1597 Mar 05 02:54	0° $\text{Y}$	
retrograde	1596 Apr 07 19:40	2° $\text{B}$ 42'56		evening max el	1597 Mar 13 01:34	10° $\text{Y}$ 52'03	18°30'43
evening set	1596 Apr 09 23:05	2° $\text{B}$ 29'00		retrograde	1597 Mar 20 16:16	14° $\text{Y}$ 36'28	
	1596 Apr 15 15:10	30° $\text{R}$ $\text{Y}$		evening set	1597 Mar 23 01:20	14° $\text{Y}$ 15'45	
inferior conj	1596 Apr 18 05:45	28° $\text{Y}$ 17'58	1°24'49	inferior conj	1597 Mar 30 12:48	9° $\text{Y}$ 45'46	2°42'41
minimum elong	1596 Apr 18 08:56	28° $\text{Y}$ 12'34	1°23'47	minimum elong	1597 Mar 30 16:47	9° $\text{Y}$ 37'50	2°41'43
min. Earth dist.	1596 Apr 21 04:20	26° $\text{Y}$ 19'10	0.56457 AU	min. Earth dist.	1597 Apr 02 23:01	7° $\text{Y}$ 04'07	0.58297 AU
desc. node	1596 Apr 23 07:25	25° $\text{Y}$ 00'37		morning rise	1597 Apr 07 05:19	4° $\text{Y}$ 20'43	
morning rise	1596 Apr 26 15:49	23° $\text{Y}$ 24'26		desc. node	1597 Apr 10 04:27	3° $\text{Y}$ 13'02	
direct	1596 May 01 13:54	22° $\text{Y}$ 28'18		direct	1597 Apr 13 03:55	2° $\text{Y}$ 50'07	
morning max el	1596 May 15 19:21	29° $\text{Y}$ 45'23	25°24'50	morning max el	1597 Apr 27 13:06	10° $\text{Y}$ 29'40	26°45'35
	1596 May 16 01:23	0° $\text{B}$			1597 May 12 13:16	0° $\text{B}$	
	1596 Jun 05 15:39	0° $\text{II}$		morning set	1597 May 27 04:37	27° $\text{B}$ 08'59	
morning set	1596 Jun 11 18:17	12° $\text{II}$ 17'51			1597 May 28 12:57	0° $\text{II}$	
asc. node	1596 Jun 11 17:17	12° $\text{II}$ 12'34		asc. node	1597 May 29 14:21	2° $\text{II}$ 16'03	
superior conj	1596 Jun 18 17:42	27° $\text{II}$ 24'54	1°08'05	superior conj	1597 Jun 03 05:26	12° $\text{II}$ 22'53	0°47'13
minimum elong	1596 Jun 18 15:20	27° $\text{II}$ 11'59	1°07'42	minimum elong	1597 Jun 03 03:32	12° $\text{II}$ 12'27	0°46'52
	1596 Jun 19 22:06	0° $\text{E}$		max. Earth dist.	1597 Jun 03 07:01	12° $\text{II}$ 31'36	1.32251 AU
max. Earth dist.	1596 Jun 19 19:14	29° $\text{II}$ 44'24	1.32629 AU	evening rise	1597 Jun 10 03:14	27° $\text{II}$ 20'46	
evening rise	1596 Jun 25 20:09	12° $\text{E}$ 36'26			1597 Jun 11 09:49	0° $\text{E}$	
	1596 Jul 04 20:48	0° $\text{O}$			1597 Jun 28 09:03	0° $\text{O}$	
desc. node	1596 Jul 20 06:47	23° $\text{O}$ 34'15		desc. node	1597 Jul 07 03:46	11° $\text{O}$ 11'53	
	1596 Jul 25 20:02	0° $\text{M}$		evening max el	1597 Jul 09 23:12	14° $\text{O}$ 03'46	26°38'40
evening max el	1596 Jul 27 20:46	2° $\text{M}$ 01'23	27°18'05	retrograde	1597 Jul 23 22:31	21° $\text{O}$ 17'18	
retrograde	1596 Aug 10 16:15	9° $\text{M}$ 17'18		evening set	1597 Jul 30 16:36	19° $\text{O}$ 20'47	
evening set	1596 Aug 17 20:36	6° $\text{M}$ 51'54		min. Earth dist.	1597 Aug 03 12:45	16° $\text{O}$ 43'59	0.60133 AU
min. Earth dist.	1596 Aug 21 10:43	4° $\text{M}$ 01'44	0.62156 AU	inferior conj	1597 Aug 06 19:54	14° $\text{O}$ 04'05	-4°41'31
inferior conj	1596 Aug 24 10:29	1° $\text{M}$ 16'01	-4°04'10	minimum elong	1597 Aug 06 23:38	13° $\text{O}$ 56'28	4°41'03
minimum elong	1596 Aug 24 15:40	1° $\text{M}$ 03'59	4°02'58	morning rise	1597 Aug 14 08:40	9° $\text{O}$ 24'13	
	1596 Aug 25 19:51	30° $\text{R}$ $\text{O}$		direct	1597 Aug 16 19:13	9° $\text{O}$ 02'05	
morning rise	1596 Aug 31 12:13	26° $\text{O}$ 14'02		morning max el	1597 Aug 24 06:26	12° $\text{O}$ 40'29	18°11'55
direct	1596 Sep 02 22:56	25° $\text{O}$ 47'50		asc. node	1597 Aug 25 13:33	14° $\text{O}$ 01'09	
asc. node	1596 Sep 07 16:28	27° $\text{O}$ 28'48			1597 Sep 04 22:12	0° $\text{M}$	
morning max el	1596 Sep 09 18:50	29° $\text{O}$ 15'14	17°53'43	morning set	1597 Sep 09 03:52	7° $\text{M}$ 53'42	
	1596 Sep 10 12:18	0° $\text{M}$					
morning set	1596 Sep 25 19:04	24° $\text{M}$ 18'52		superior conj	1597 Sep 18 16:23	25° $\text{M}$ 36'20	1°27'31
	1596 Sep 28 22:53	0° $\text{O}$		minimum elong	1597 Sep 18 20:14	25° $\text{M}$ 53'41	1°27'10
superior conj	1596 Oct 06 16:43	13° $\text{O}$ 35'27	1°01'58		1597 Sep 21 03:20	0° $\text{O}$	
minimum elong	1596 Oct 06 21:22	13° $\text{O}$ 55'19	1°01'23	max. Earth dist.	1597 Sep 26 07:13	8° $\text{O}$ 56'29	1.41178 AU
max. Earth dist.	1596 Oct 13 22:47	25° $\text{O}$ 43'01	1.42985 AU	evening rise	1597 Oct 01 07:40	17° $\text{O}$ 16'10	
desc. node	1596 Oct 16 06:07	29° $\text{O}$ 27'12		desc. node	1597 Oct 03 03:08	20° $\text{O}$ 11'33	
					1597 Oct 09 09:30	0° $\text{M}$	

	1597 Oct 30 23:42	0°♊		desc. node	1598 Sep 20 00:09	10°♎49'28	
evening max el	1597 Nov 04 06:00	4°♊41'47	23°00'08		1598 Oct 02 21:05	0°♎	
retrograde	1597 Nov 14 09:42	10°♊43'22		evening max el	1598 Oct 17 18:58	18°♎18'13	24°19'54
evening set	1597 Nov 19 05:03	8°♊45'03		retrograde	1598 Oct 29 00:42	24°♎53'05	
asc. node	1597 Nov 21 12:45	6°♊23'01		evening set	1598 Nov 03 09:55	22°♎37'55	
inferior conj	1597 Nov 24 13:48	2°♊22'50	1°01'50	min. Earth dist.	1598 Nov 08 02:55	17°♎13'14	0.67561 AU
minimum elong	1597 Nov 24 12:25	2°♊27'37	1°01'15	asc. node	1598 Nov 08 09:49	16°♎50'02	
min. Earth dist.	1597 Nov 24 06:48	2°♊47'01	0.67791 AU	inferior conj	1598 Nov 08 20:22	16°♎14'33	0°09'05
	1597 Nov 26 08:03	30°♎		minimum elong	1598 Nov 08 20:09	16°♎15'18	0°08'59
morning rise	1597 Nov 29 19:41	26°♎13'26		transit middle	1598 Nov 08 20:09	16°♎15'18	0°08'59
direct	1597 Dec 04 04:25	24°♎28'43		transit begin	1598 Nov 08 17:52	16°♎22'58	
morning max el	1597 Dec 13 01:00	29°♎40'07	21°35'38	transit end	1598 Nov 08 22:25	16°♎07'38	
	1597 Dec 13 08:49	0°♊		morning rise	1598 Nov 14 06:23	10°♎10'27	
desc. node	1597 Dec 30 02:21	21°♊54'50		direct	1598 Nov 18 01:52	8°♎47'19	
	1598 Jan 04 12:57	0°♊		morning max el	1598 Nov 25 22:06	13°♎17'55	20°20'19
morning set	1598 Jan 13 19:58	14°♊23'18			1598 Dec 08 19:09	0°♊	
max. Earth dist.	1598 Jan 20 12:00	25°♊11'30	1.41825 AU	desc. node	1598 Dec 16 23:24	12°♊10'15	
	1598 Jan 23 09:08	0°♊		morning set	1598 Dec 23 18:10	22°♊33'34	
					1598 Dec 28 12:36	0°♊	
superior conj	1598 Jan 28 01:24	8°♊00'43	-2°04'18	max. Earth dist.	1599 Jan 02 19:30	8°♊24'12	1.43545 AU
minimum elong	1598 Jan 28 01:54	8°♊02'54	2°04'18				
evening rise	1598 Feb 07 23:36	27°♊37'45		superior conj	1599 Jan 08 20:19	18°♊13'57	-1°57'56
	1598 Feb 09 06:41	0°♊		minimum elong	1599 Jan 08 15:40	17°♊54'44	1°57'44
asc. node	1598 Feb 17 12:05	14°♊27'33			1599 Jan 15 20:14	0°♊	
evening max el	1598 Feb 24 10:49	23°♊45'27	18°10'17	evening rise	1599 Jan 21 10:23	9°♊40'01	
retrograde	1598 Mar 03 06:33	27°♊12'25			1599 Feb 02 12:28	0°♊	
evening set	1598 Mar 05 21:14	26°♊42'41		asc. node	1599 Feb 04 09:08	2°♊40'07	
inferior conj	1598 Mar 12 16:18	21°♊51'54	3°27'04	evening max el	1599 Feb 07 23:04	6°♊56'46	18°09'19
minimum elong	1598 Mar 12 18:48	21°♊46'08	3°26'43	retrograde	1599 Feb 14 10:36	10°♊21'04	
min. Earth dist.	1598 Mar 15 23:34	18°♊50'54	0.60425 AU	evening set	1599 Feb 17 06:25	9°♊41'03	
morning rise	1598 Mar 19 14:20	16°♊05'17		inferior conj	1599 Feb 23 12:51	4°♊29'43	3°44'02
direct	1598 Mar 26 06:13	13°♊57'49		minimum elong	1599 Feb 23 13:18	4°♊28'32	3°44'01
desc. node	1598 Mar 28 01:30	14°♊06'46		min. Earth dist.	1599 Feb 26 08:14	1°♊34'11	0.62513 AU
morning max el	1598 Apr 09 12:42	21°♊49'02	27°35'35		1599 Feb 27 23:36	30°♎	
	1598 Apr 16 16:49	0°♊		morning rise	1599 Mar 01 19:03	28°♊30'18	
	1598 May 05 12:53	0°♊		direct	1599 Mar 08 17:58	25°♊54'33	
morning set	1598 May 11 11:42	11°♊47'59		desc. node	1599 Mar 14 22:34	27°♊40'54	
asc. node	1598 May 16 11:24	22°♊24'36			1599 Mar 18 10:43	0°♊	
max. Earth dist.	1598 May 17 18:54	25°♊16'24	1.32257 AU	morning max el	1599 Mar 22 17:59	3°♊49'20	27°48'48
					1599 Apr 11 06:21	0°♊	
superior conj	1598 May 18 16:50	27°♊16'35	0°23'22	morning set	1599 Apr 25 13:26	26°♊08'05	
minimum elong	1598 May 18 15:48	27°♊10'53	0°23'09		1599 Apr 27 10:44	0°♊	
	1598 May 19 22:36	0°♊		max. Earth dist.	1599 May 01 03:12	7°♊46'50	1.32659 AU
evening rise	1598 May 25 13:39	12°♊12'18					
	1598 Jun 03 14:32	0°♊		superior conj	1599 May 03 02:12	12°♊00'22	-0°02'46
evening max el	1598 Jun 21 18:39	25°♊19'49	25°28'59	minimum elong	1599 May 03 02:20	12°♊01'03	0°02'44
desc. node	1598 Jun 24 00:47	27°♊20'39		behind sun begin	1599 May 02 21:12	11°♊33'18	
	1598 Jun 27 17:58	0°♊		behind sun end	1599 May 03 07:27	12°♊28'49	
retrograde	1598 Jul 05 19:17	2°♊28'43		asc. node	1599 May 03 08:27	12°♊34'16	
evening set	1598 Jul 11 13:49	1°♊10'39		evening rise	1599 May 10 01:28	27°♊04'33	
	1598 Jul 13 21:05	30°♎			1599 May 11 10:51	0°♊	
min. Earth dist.	1598 Jul 16 06:46	28°♊28'59	0.58085 AU		1599 May 29 00:26	0°♊	
inferior conj	1598 Jul 19 11:05	26°♊15'12	-4°55'45	evening max el	1599 Jun 03 09:06	6°♊00'04	23°58'42
minimum elong	1598 Jul 19 10:55	26°♊15'30	4°55'45	desc. node	1599 Jun 10 21:48	11°♊26'53	
morning rise	1598 Jul 27 10:31	21°♊57'43		retrograde	1599 Jun 17 03:52	12°♊55'32	
direct	1598 Jul 29 23:14	21°♊37'54		evening set	1599 Jun 21 12:23	12°♊13'39	
morning max el	1598 Aug 07 11:05	25°♊38'29	18°50'41	min. Earth dist.	1599 Jun 27 19:54	9°♊11'18	0.56327 AU
	1598 Aug 11 06:55	0°♊		inferior conj	1599 Jun 30 06:03	7°♊42'00	-4°32'56
asc. node	1598 Aug 12 10:38	1°♊35'22		minimum elong	1599 Jun 30 00:39	7°♊50'21	4°32'08
morning set	1598 Aug 23 23:29	22°♊00'21		morning rise	1599 Jul 08 15:34	3°♊42'52	
	1598 Aug 28 01:12	0°♊		direct	1599 Jul 11 08:19	3°♊24'00	
				morning max el	1599 Jul 21 05:51	7°♊59'26	19°50'48
superior conj	1598 Sep 01 12:16	8°♊37'23	1°41'35	asc. node	1599 Jul 30 07:41	19°♊57'15	
minimum elong	1598 Sep 01 14:14	8°♊46'44	1°41'30		1599 Aug 04 20:07	0°♊	
max. Earth dist.	1598 Sep 08 11:22	21°♊27'08	1.39148 AU	morning set	1599 Aug 08 02:28	6°♊29'12	
evening rise	1598 Sep 12 10:02	28°♊19'59					
	1598 Sep 13 09:33	0°♊		superior conj	1599 Aug 15 22:53	22°♊22'38	1°46'02

minimum elong	1599 Aug 15 22:59	22°Ω23'09	1°46'02	minimum elong	1600 Jul 29 18:39	6°Ω33'17	1°42'38
	1599 Aug 19 20:22	0°൬		max. Earth dist.	1600 Aug 03 02:07	15°Ω18'39	1.35397 AU
max. Earth dist.	1599 Aug 21 15:53	3°൬26'51	1.37150 AU	evening rise	1600 Aug 07 07:58	23°Ω32'46	
evening rise	1599 Aug 25 11:31	10°൬28'52			1600 Aug 10 19:45	0°൬	
	1599 Sep 06 01:45	0°Ω		desc. node	1600 Aug 23 18:11	21°൬25'07	
desc. node	1599 Sep 06 21:10	1°Ω15'54			1600 Aug 29 16:55	0°Ω	
	1599 Sep 28 08:41	0°൬		evening max el	1600 Sep 11 19:01	15°Ω35'15	26°34'13
evening max el	1599 Sep 30 06:58	1°൬57'43	25°33'49	retrograde	1600 Sep 24 16:29	22°Ω48'31	
retrograde	1599 Oct 12 11:09	8°൬56'43		evening set	1600 Oct 01 05:44	20°Ω07'20	
evening set	1599 Oct 18 10:48	6°൬26'20		min. Earth dist.	1600 Oct 05 07:28	15°Ω54'34	0.66096 AU
min. Earth dist.	1599 Oct 22 19:55	1°൬36'56	0.67002 AU	inferior conj	1600 Oct 06 23:31	13°Ω54'23	-1°44'51
inferior conj	1599 Oct 24 00:14	0°൬06'06	-0°47'00	minimum elong	1600 Oct 07 02:17	13°Ω46'03	1°43'43
minimum elong	1599 Oct 24 01:27	0°൬02'13	0°46'28	asc. node	1600 Oct 12 03:55	8°Ω39'36	
	1599 Oct 24 02:08	30°RΩ		morning rise	1600 Oct 12 23:23	8°Ω09'26	
asc. node	1599 Oct 26 06:53	27°Ω17'26		direct	1600 Oct 15 22:15	7°Ω20'25	
morning rise	1599 Oct 29 16:19	24°Ω10'06		morning max el	1600 Oct 22 14:11	11°Ω00'04	18°32'50
direct	1599 Nov 02 00:26	23°Ω05'47			1600 Nov 05 02:40	0°൬	
morning max el	1599 Nov 09 02:58	27°Ω05'43	19°18'44	morning set	1600 Nov 11 19:35	10°൬42'50	
	1599 Nov 11 17:35	0°൬		desc. node	1600 Nov 19 17:28	23°൬18'25	
	1599 Dec 02 03:22	0°X			1600 Nov 23 23:14	0°X	
morning set	1599 Dec 02 19:02	1°X00'50					
desc. node	1599 Dec 03 20:26	2°X39'31		superior conj	1600 Nov 27 15:08	5°X45'34	-0°51'05
max. Earth dist.	1599 Dec 16 10:09	22°X19'54	1.44691 AU	minimum elong	1600 Nov 27 08:39	5°X20'06	0°50'15
				max. Earth dist.	1600 Nov 28 04:37	6°X38'28	1.45127 AU
superior conj	1599 Dec 19 13:23	27°X18'04	-1°32'56		1600 Dec 13 00:25	0°Z	
minimum elong	1599 Dec 19 04:46	26°X43'48	1°32'07	evening rise	1600 Dec 13 14:45	0°Z56'49	
	1599 Dec 21 06:00	0°Z		greatest brilliancy	1600 Dec 22 15:15	15°Z14'15	-0.8m
evening rise	1600 Jan 03 00:15	20°Z47'06			1601 Jan 01 16:10	0°≈	
	1600 Jan 08 13:32	0°≈		evening max el	1601 Jan 04 21:21	3°≈45'03	19°02'35
asc. node	1600 Jan 22 06:09	20°≈04'53		asc. node	1601 Jan 08 03:10	6°≈28'34	
evening max el	1600 Jan 22 11:24	20°≈18'21	18°27'06	retrograde	1601 Jan 11 19:01	7°≈40'25	
retrograde	1600 Jan 29 00:02	23°≈52'49		evening set	1601 Jan 15 02:14	6°≈37'12	
evening set	1600 Feb 01 01:06	23°≈01'41		inferior conj	1601 Jan 20 17:12	0°≈50'03	3°22'25
inferior conj	1600 Feb 06 22:21	17°≈31'17	3°40'41	minimum elong	1601 Jan 20 14:56	0°≈57'10	3°22'02
minimum elong	1600 Feb 06 21:07	17°≈34'51	3°40'36		1601 Jan 21 09:01	30°RZ	
min. Earth dist.	1600 Feb 09 02:26	15°≈00'08	0.64329 AU	min. Earth dist.	1601 Jan 22 05:58	28°Z54'13	0.65775 AU
morning rise	1600 Feb 12 16:36	11°≈24'24		morning rise	1601 Jan 26 03:21	24°Z38'52	
direct	1600 Feb 19 13:14	8°≈34'22		direct	1601 Feb 01 15:04	21°Z48'36	
desc. node	1600 Feb 29 19:36	13°≈22'24		morning max el	1601 Feb 14 12:49	29°Z25'01	26°32'51
morning max el	1600 Mar 04 02:56	16°≈25'19	27°26'04		1601 Feb 15 02:33	0°≈	
	1600 Mar 15 08:51	0°X		desc. node	1601 Feb 15 16:38	0°≈36'44	
	1600 Apr 03 00:36	0°Y			1601 Mar 09 05:39	0°X	
morning set	1600 Apr 08 07:13	10°Y01'03		morning set	1601 Mar 22 13:27	23°X15'16	
max. Earth dist.	1600 Apr 13 04:03	19°Y51'10	1.33480 AU		1601 Mar 26 01:27	0°Y	
				max. Earth dist.	1601 Mar 26 17:57	1°Y21'21	1.34753 AU
superior conj	1600 Apr 16 07:38	26°Y28'07	-0°30'14				
minimum elong	1600 Apr 16 09:09	26°Y36'06	0°29'55	superior conj	1601 Mar 31 06:53	10°Y32'09	-0°57'53
	1600 Apr 17 23:24	0°X		minimum elong	1601 Mar 31 09:46	10°Y47'02	0°57'22
asc. node	1600 Apr 19 05:29	2°X41'00		asc. node	1601 Apr 06 02:29	22°Y39'58	
evening rise	1600 Apr 23 12:48	11°X51'14		evening rise	1601 Apr 07 21:44	26°Y24'53	
	1600 May 02 21:10	0°II			1601 Apr 09 15:40	0°X	
evening max el	1600 May 15 00:39	16°II31'15	22°22'48	evening max el	1601 Apr 27 00:20	27°X22'35	20°55'00
desc. node	1600 May 27 18:49	22°II56'22			1601 Apr 30 03:08	0°II	
retrograde	1600 May 28 00:08	22°II56'28		retrograde	1601 May 08 13:31	2°II59'44	
evening set	1600 May 30 23:29	22°II36'59		evening set	1601 May 10 17:39	2°II48'32	
min. Earth dist.	1600 Jun 08 07:32	19°II01'18	0.55196 AU	desc. node	1601 May 14 15:50	1°II37'28	
inferior conj	1600 Jun 09 07:29	18°II27'28	-3°22'53		1601 May 17 23:30	30°RX	
minimum elong	1600 Jun 08 23:42	18°II38'29	3°20'44	inferior conj	1601 May 20 01:16	28°X50'25	-1°33'31
morning rise	1600 Jun 18 01:54	14°II35'20		minimum elong	1601 May 19 20:51	28°X56'41	1°31'57
direct	1600 Jun 21 00:34	14°II15'40		min. Earth dist.	1601 May 20 20:01	28°X23'46	0.54949 AU
morning max el	1600 Jul 02 13:19	19°II37'48	21°11'14	morning rise	1601 May 28 23:48	24°X45'50	
	1600 Jul 10 22:27	0°Ω		direct	1601 Jun 01 10:01	24°X20'32	
asc. node	1600 Jul 16 04:44	8°Ω55'43			1601 Jun 13 19:19	0°II	
morning set	1600 Jul 22 10:20	21°Ω13'36		morning max el	1601 Jun 14 10:35	0°II34'53	22°47'22
	1600 Jul 26 15:11	0°Ω		asc. node	1601 Jul 03 01:45	28°II20'46	
					1601 Jul 03 21:40	0°Ω	
superior conj	1600 Jul 29 19:57	6°Ω40'01	1°42'42	morning set	1601 Jul 06 21:01	6°Ω06'42	

superior conj	1601 Jul 14 00:06	21° $\mathring{O}$ 18'28	1°33'07
minimum elong	1601 Jul 13 21:57	21° $\mathring{O}$ 07'05	1°32'54
max. Earth dist.	1601 Jul 16 21:07	27° $\mathring{O}$ 22'11	1.34007 AU
	1601 Jul 18 03:37	0° $\mathring{O}$	
evening rise	1601 Jul 21 18:40	7° $\mathring{O}$ 18'24	
	1601 Aug 03 09:11	0° $\mathring{P}$	
desc. node	1601 Aug 10 15:12	11° $\mathring{P}$ 08'50	
evening max el	1601 Aug 25 06:55	29° $\mathring{P}$ 01'43	27°13'45
	1601 Aug 26 07:56	0° $\mathring{P}$	
retrograde	1601 Sep 07 16:26	6° $\mathring{P}$ 20'35	
evening set	1601 Sep 14 16:14	3° $\mathring{P}$ 36'23	
	1601 Sep 18 11:16	30° $\mathring{R}$ $\mathring{P}$	
min. Earth dist.	1601 Sep 18 11:21	29° $\mathring{P}$ 59'46	0.64827 AU
inferior conj	1601 Sep 20 15:58	27° $\mathring{P}$ 34'49	-2°42'23
minimum elong	1601 Sep 20 20:13	27° $\mathring{P}$ 23'08	2°40'53
morning rise	1601 Sep 27 01:06	22° $\mathring{P}$ 03'59	
asc. node	1601 Sep 29 00:57	21° $\mathring{P}$ 28'55	
direct	1601 Sep 29 17:07	21° $\mathring{P}$ 26'31	
morning max el	1601 Oct 06 05:16	24° $\mathring{P}$ 55'13	18°03'40
	1601 Oct 10 09:59	0° $\mathring{P}$	
morning set	1601 Oct 24 01:13	21° $\mathring{P}$ 50'36	
	1601 Oct 28 22:58	0° $\mathring{M}$	
superior conj	1601 Nov 06 22:42	14° $\mathring{M}$ 36'06	-0°02'19
minimum elong	1601 Nov 06 22:26	14° $\mathring{M}$ 35'00	0°02'17
behind sun begin	1601 Nov 06 11:52	13° $\mathring{M}$ 52'46	
behind sun end	1601 Nov 07 08:59	15° $\mathring{M}$ 17'10	
desc. node	1601 Nov 06 14:30	14° $\mathring{M}$ 03'18	
max. Earth dist.	1601 Nov 10 23:23	21° $\mathring{M}$ 00'02	1.44818 AU
	1601 Nov 16 17:04	0° $\mathring{X}$	
evening rise	1601 Nov 23 08:23	10° $\mathring{X}$ 18'06	
	1601 Dec 06 05:53	0° $\mathring{Z}$	
greatest brilliancy	1601 Dec 07 01:26	1° $\mathring{Z}$ 12'48	-0.7m
evening max el	1601 Dec 19 03:05	17° $\mathring{Z}$ 14'20	19°54'11
asc. node	1601 Dec 26 00:12	21° $\mathring{Z}$ 36'38	
retrograde	1601 Dec 26 16:33	21° $\mathring{Z}$ 39'13	
evening set	1601 Dec 30 07:27	20° $\mathring{Z}$ 22'33	
inferior conj	1602 Jan 04 18:27	14° $\mathring{Z}$ 21'28	2°53'02
minimum elong	1602 Jan 04 15:48	14° $\mathring{Z}$ 30'18	2°52'21
min. Earth dist.	1602 Jan 05 17:17	13° $\mathring{Z}$ 05'26	0.66822 AU
morning rise	1602 Jan 09 23:55	8° $\mathring{Z}$ 08'18	
direct	1602 Jan 15 22:48	5° $\mathring{Z}$ 29'08	